

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000267.D
 Acq On : 11 Oct 2019 13:30
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:41 PM

Quant Time: Oct 14 07:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:12:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	274186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	439872	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	389271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	189592	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	54634	18.89	ug/l	0.00
Spiked Amount			Recovery	=	37.78%	
35) Dibromofluoromethane	7.73	113	54709	20.62	ug/l	0.00
Spiked Amount			Recovery	=	41.24%	
50) Toluene-d8	10.19	98	189293	18.55	ug/l	0.00
Spiked Amount			Recovery	=	37.10%	
62) 4-Bromofluorobenzene	12.48	95	78015	20.12	ug/l	0.00
Spiked Amount			Recovery	=	40.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	53520	21.893	ug/l	99
3) Chloromethane	2.12	50	67001	19.998	ug/l	100
4) Vinyl Chloride	2.25	62	69836	20.653	ug/l	99
5) Bromomethane	2.63	94	50494	19.915	ug/l	92
6) Chloroethane	2.79	64	44866	20.564	ug/l	100
7) Trichlorofluoromethane	3.12	101	95527	20.653	ug/l	98
8) Diethyl Ether	3.54	74	32452	19.861	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.90	101	55959	19.949	ug/l	96
10) Methyl Iodide	4.09	142	71768	19.600	ug/l	99
11) Tert butyl alcohol	4.97	59	28880	95.376	ug/l	97
12) 1,1-Dichloroethene	3.88	96	54664	19.740	ug/l	96
13) Acrolein	3.74	56	33875	95.462	ug/l	99
14) Allyl chloride	4.49	41	89990	19.610	ug/l	99
15) Acrylonitrile	5.18	53	89212	97.545	ug/l	98
16) Acetone	3.96	43	85758	91.560	ug/l	96
17) Carbon Disulfide	4.19	76	175560	20.136	ug/l	98
18) Methyl Acetate	4.49	43	45512	19.557	ug/l	98
19) Methyl tert-butyl Ether	5.22	73	151910	19.706	ug/l	95
20) Methylene Chloride	4.72	84	76645	19.955	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	62792	19.764	ug/l	98
22) Diisopropyl ether	6.13	45	189419	19.516	ug/l	95
23) Vinyl Acetate	6.07	43	606092	95.718	ug/l	98
24) 1,1-Dichloroethane	6.02	63	104010	19.632	ug/l	99
25) 2-Butanone	7.00	43	124886	94.653	ug/l	98
26) 2,2-Dichloropropane	6.99	77	93734	19.201	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	67253	19.562	ug/l	98
28) Bromochloromethane	7.35	49	39357	17.305	ug/l	92
29) Tetrahydrofuran	7.36	42	75642	94.598	ug/l	98
30) Chloroform	7.52	83	104541	19.594	ug/l	97
31) Cyclohexane	7.80	56	105613	19.087	ug/l #	88
32) 1,1,1-Trichloroethane	7.71	97	95018	20.032	ug/l	98
36) 1,1-Dichloropropene	7.92	75	85767	19.915	ug/l	99
37) Ethyl Acetate	7.09	43	50482	19.797	ug/l	98
38) Carbon Tetrachloride	7.91	117	83625	20.055	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	115113	20.423	ug/l	94
40) Benzene	8.17	78	250223	20.105	ug/l	97
41) Methacrylonitrile	7.33	41	23670m	21.133	ug/l	
42) 1,2-Dichloroethane	8.25	62	70086	19.714	ug/l	98
43) Isopropyl Acetate	8.28	43	96422	19.886	ug/l	100
44) Trichloroethene	8.95	130	69468	19.893	ug/l	96
45) 1,2-Dichloropropane	9.22	63	61480	20.130	ug/l	95
46) Dibromomethane	9.31	93	33783	19.787	ug/l	99
47) Bromodichloromethane	9.50	83	79916	19.861	ug/l	99
48) Methyl methacrylate	9.30	41	42863	20.171	ug/l	99
49) 1,4-Dioxane	9.31	88	10328	403.442	ug/l #	94
51) 4-Methyl-2-Pentanone	10.08	43	246226	98.458	ug/l	100
52) Toluene	10.25	92	156372	19.790	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	86890	20.150	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	98021	20.016	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	47951	19.316	ug/l	98
56) Ethyl methacrylate	10.52	69	70142	19.823	ug/l	98
57) 1,3-Dichloropropane	10.80	76	84239	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	133672	94.712	ug/l	99
59) 2-Hexanone	10.83	43	171622	97.770	ug/l	99
60) Dibromochloromethane	10.99	129	54060	19.648	ug/l	100
61) 1,2-Dibromoethane	11.10	107	48386	20.300	ug/l	100
64) Tetrachloroethene	10.72	164	78290	21.126	ug/l	95
65) Chlorobenzene	11.52	112	164488	20.022	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	56984	19.746	ug/l	98
67) Ethyl Benzene	11.60	91	302645	19.872	ug/l	99
68) m/p-Xylenes	11.70	106	232255	39.893	ug/l	99
69) o-Xylene	12.03	106	109954	19.797	ug/l	97
70) Styrene	12.05	104	184364	19.683	ug/l	100
71) Bromoform	12.21	173	33144	19.978	ug/l #	99
73) Isopropylbenzene	12.33	105	296650	20.067	ug/l	99
74) N-amyl acetate	12.14	43	68637	18.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	53647	19.328	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	45539m	12.015	ug/l	
77) Bromobenzene	12.61	156	66557	20.233	ug/l	92
78) n-propylbenzene	12.67	91	352524	19.861	ug/l	99
79) 2-Chlorotoluene	12.76	91	194350	19.827	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	246831	19.912	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	19651	18.443	ug/l	98
82) 4-Chlorotoluene	12.86	91	202167	19.511	ug/l	99
83) tert-Butylbenzene	13.08	119	211185	20.118	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	243699	19.919	ug/l	99
85) sec-Butylbenzene	13.25	105	299914	19.749	ug/l	100
86) p-Isopropyltoluene	13.37	119	266419	20.123	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	128811	19.874	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	132154	20.400	ug/l	97
89) n-Butylbenzene	13.70	91	257696	19.697	ug/l	99
90) Hexachloroethane	13.96	117	50024	20.405	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	117306	19.999	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	10570	20.079	ug/l	91

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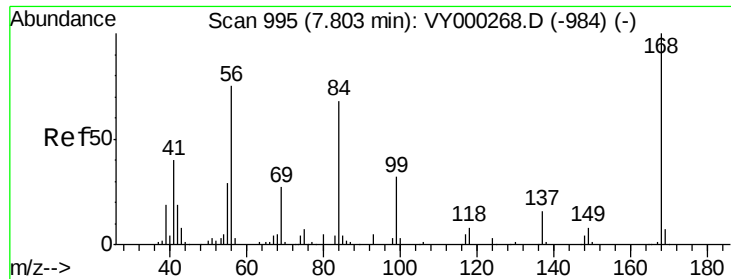
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	84820	20.770	ug/l	97
94) Hexachlorobutadiene	15.11	225	44489	20.130	ug/l	98
95) Naphthalene	15.23	128	181459	19.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	76013	20.653	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 274186

Ion Ratio Lower Upper

168 100

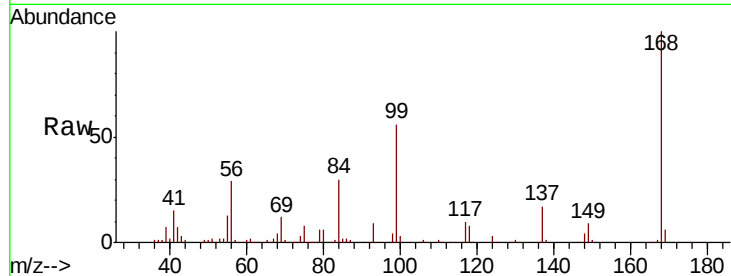
99 55.7 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000267.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000267.D (-946) (-)

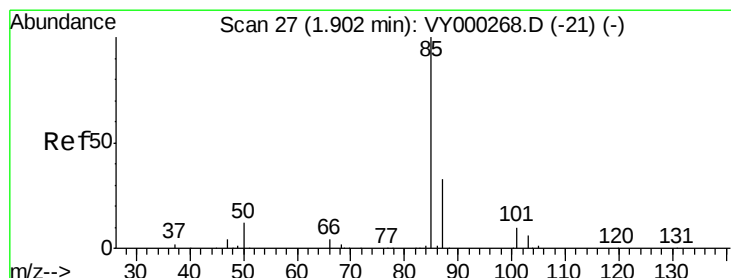
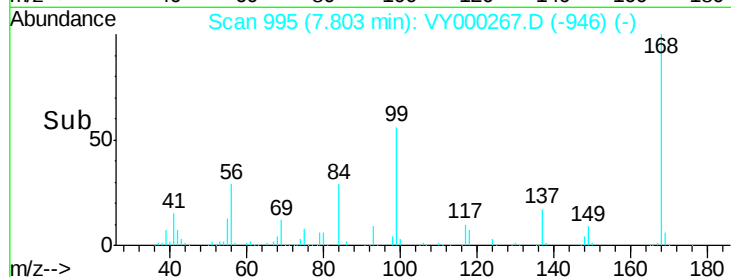
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.893 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000267.D

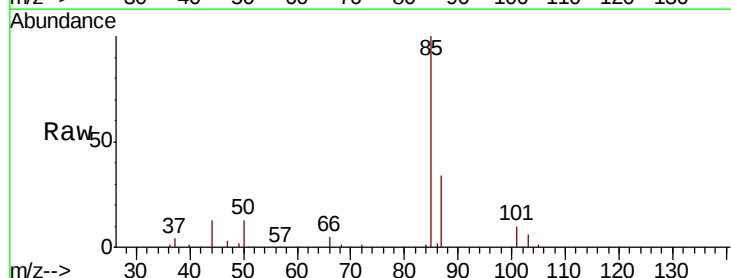
Acq: 11 Oct 2019 13:30

Tgt Ion: 85 Resp: 53520

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000267.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000267.D (-1) (-)

1.90

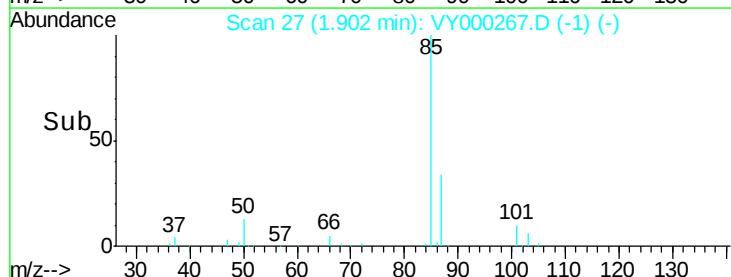
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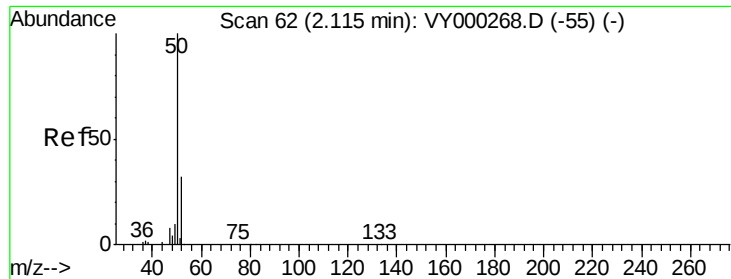
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10000

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Time-->





#3

Chloromethane

Concen: 19.998 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 67001

Ion Ratio Lower Upper

50 100

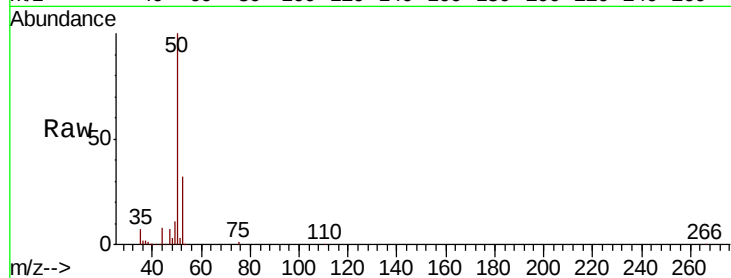
52 31.9 25.3 37.9

Manual Integrations

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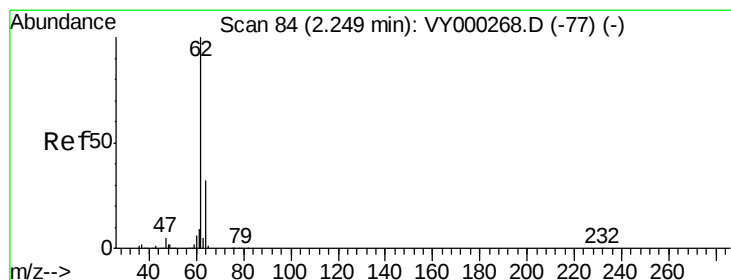
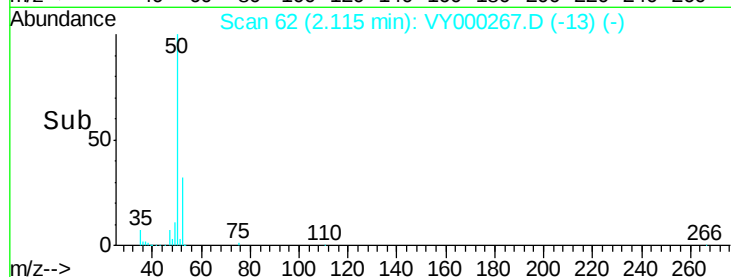
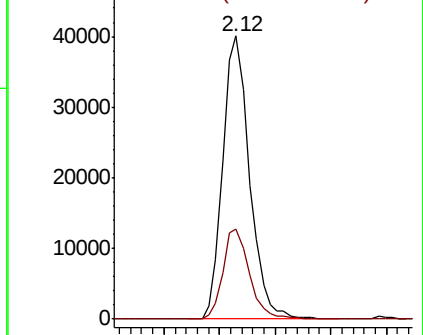
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 20.653 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000267.D

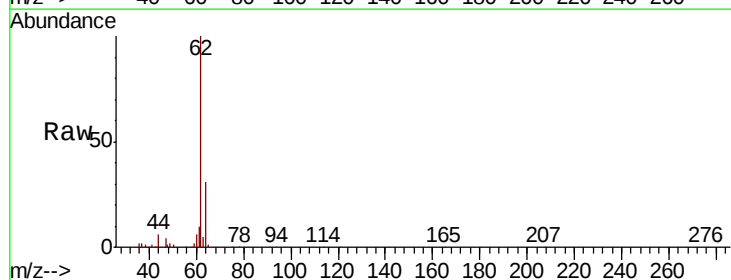
Acq: 11 Oct 2019 13:30

Tgt Ion: 62 Resp: 69836

Ion Ratio Lower Upper

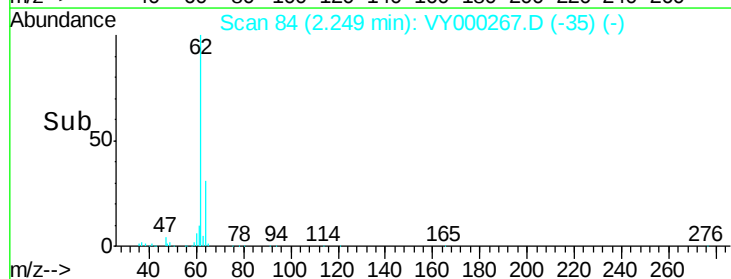
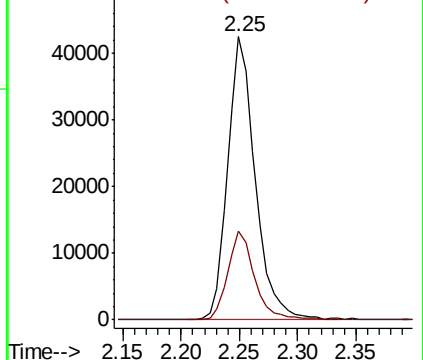
62 100

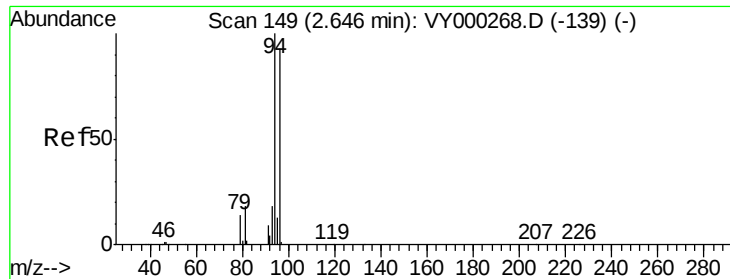
64 31.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.915 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 50494

Ion Ratio Lower Upper

94 100

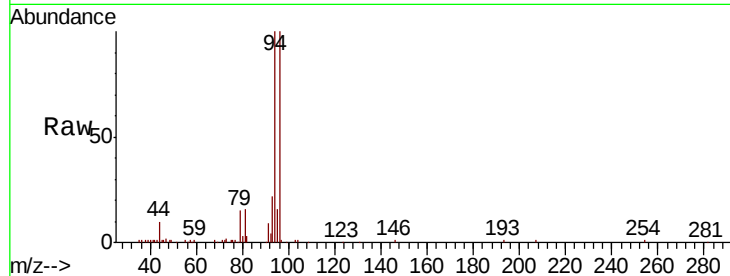
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Manual Integrations

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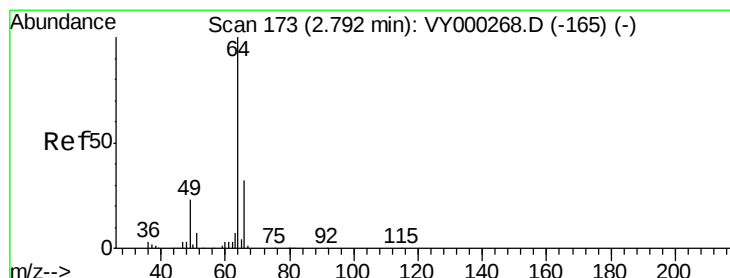
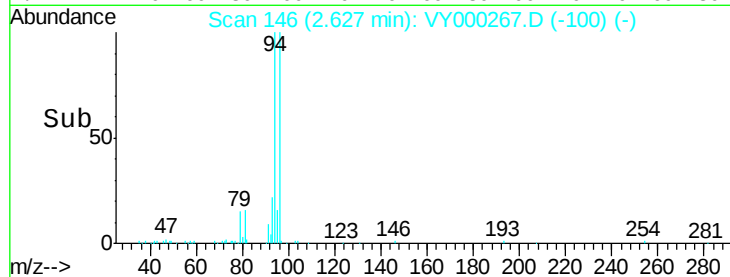
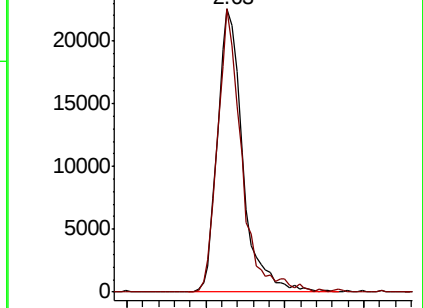
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.564 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000267.D

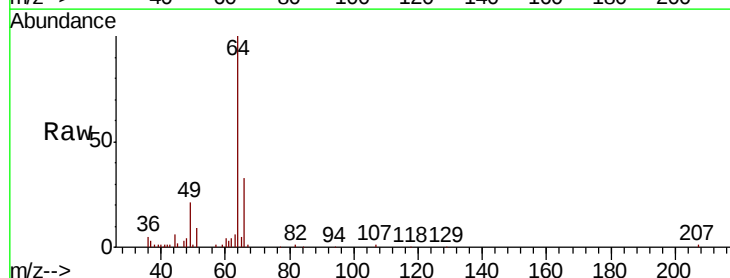
Acq: 11 Oct 2019 13:30

Tgt Ion: 64 Resp: 44866

Ion Ratio Lower Upper

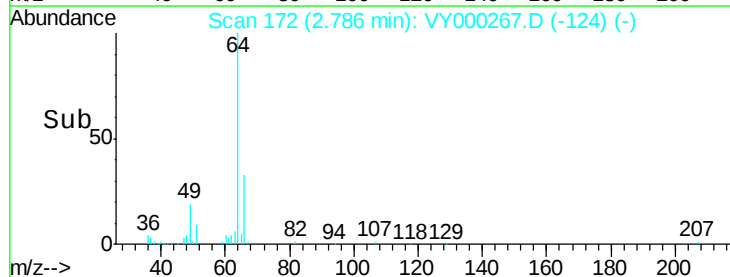
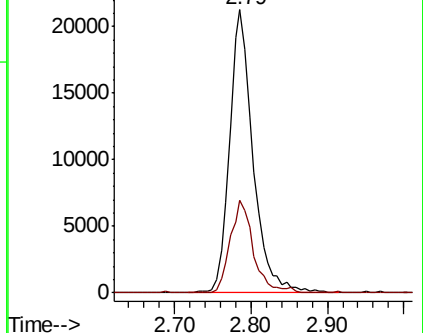
64 100

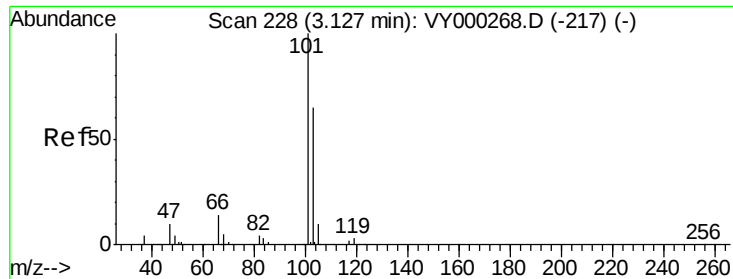
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

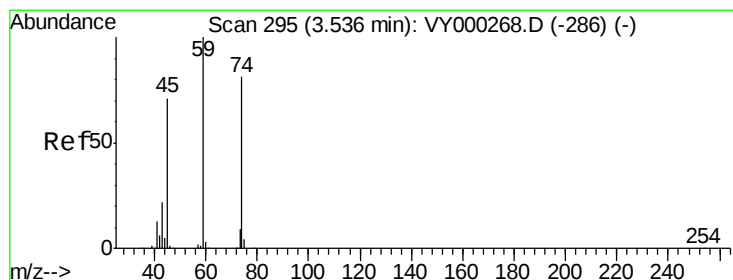
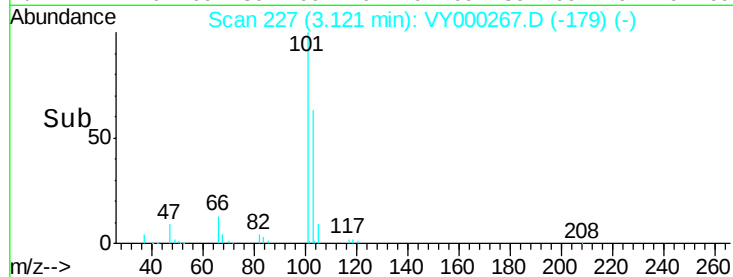
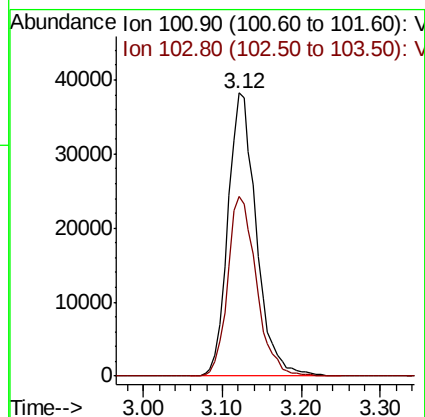
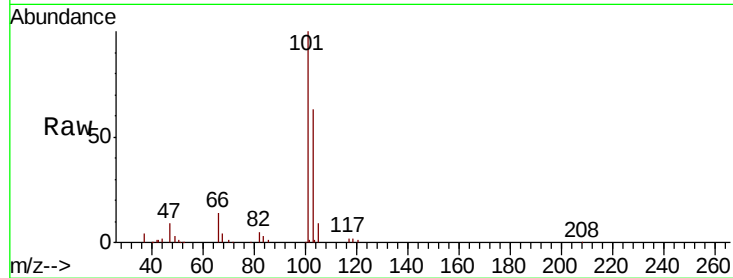
Trichlorofluoromethane
Concen: 20.653 ug/l
RT: 3.12 min Scan# 227
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.2	78.4

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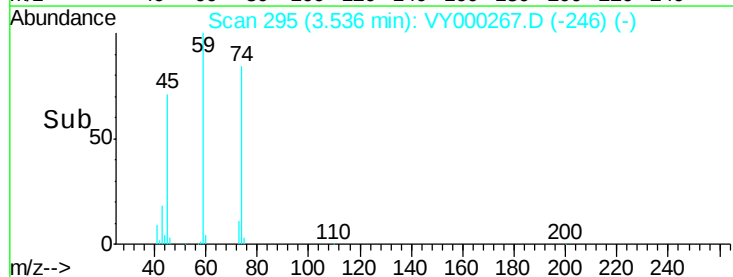
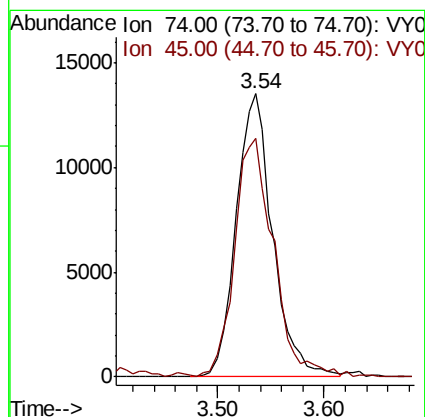
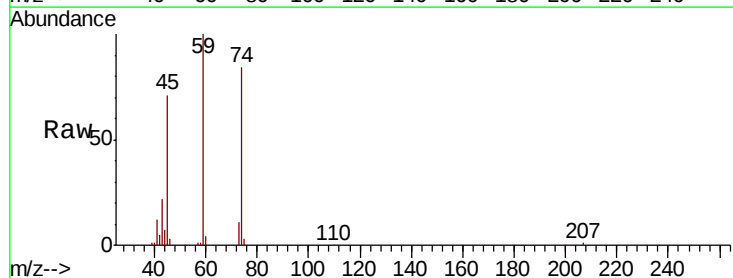
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10/15/2019 12:33:41 PM

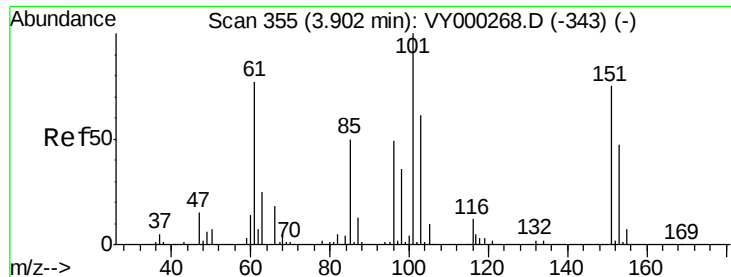


#8

Diethyl Ether
Concen: 19.861 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.2	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.949 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.00 min

Lab File: VY000267.D

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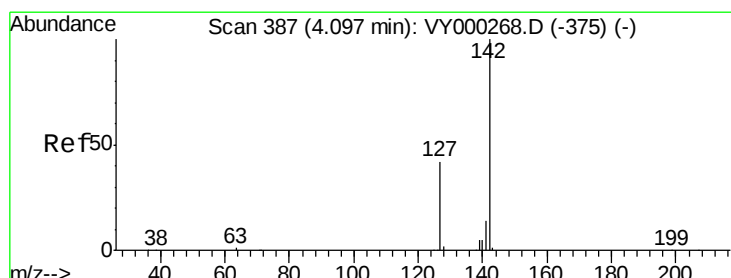
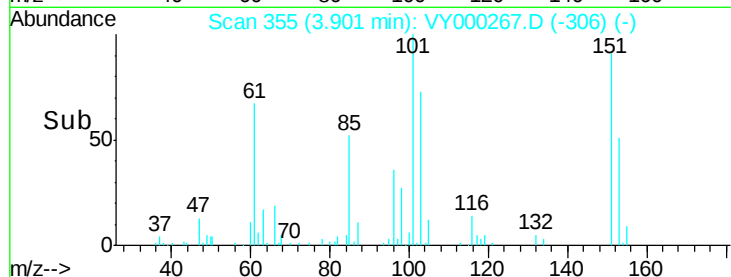
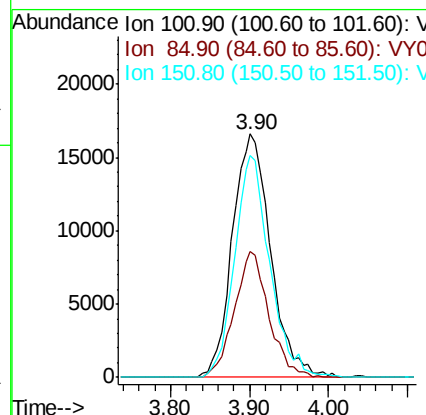
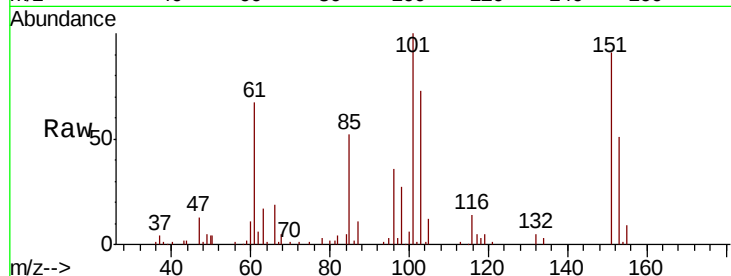
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	55959
Ion Ratio	Lower	Upper	
101	100		
85	46.6	36.6	55.0
151	84.1	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 19.600 ug/l

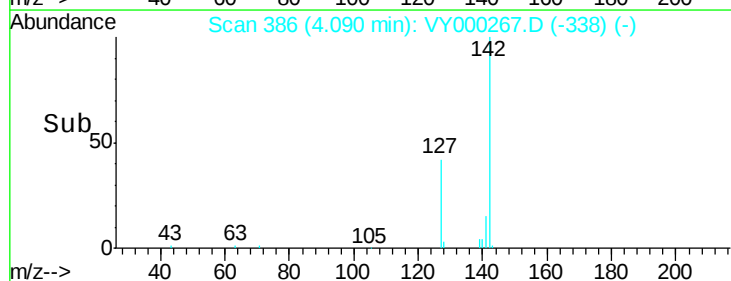
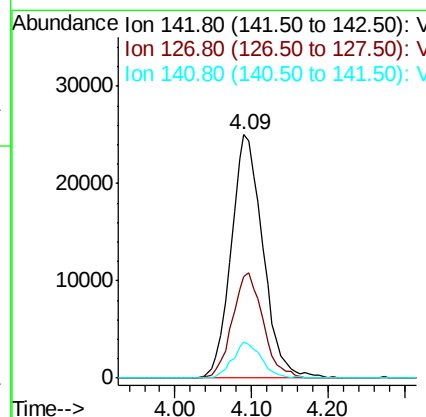
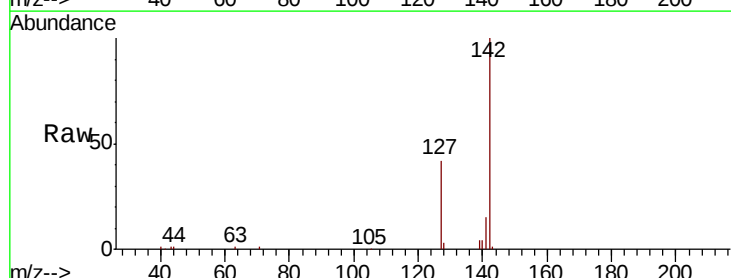
RT: 4.09 min Scan# 386

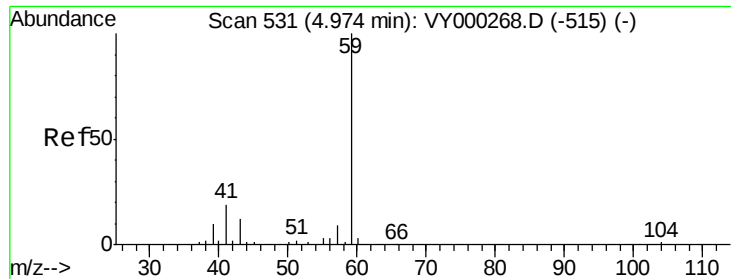
Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion:	142	Resp:	71768
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.9	50.9
141	13.4	11.2	16.8





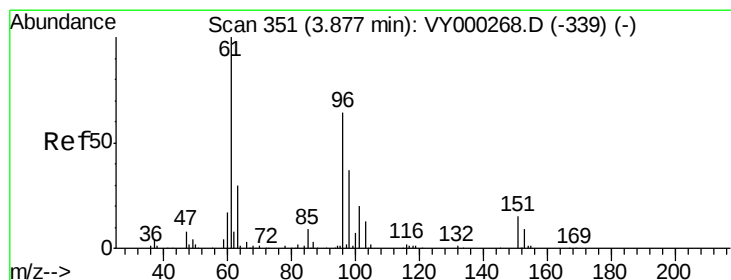
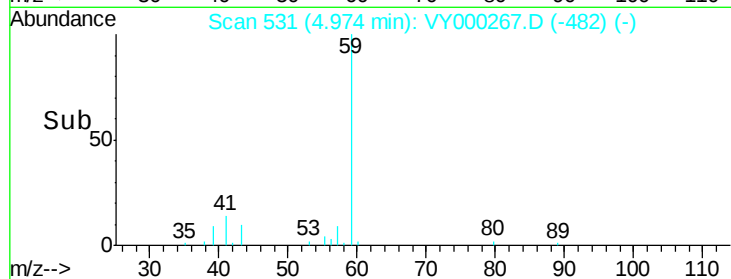
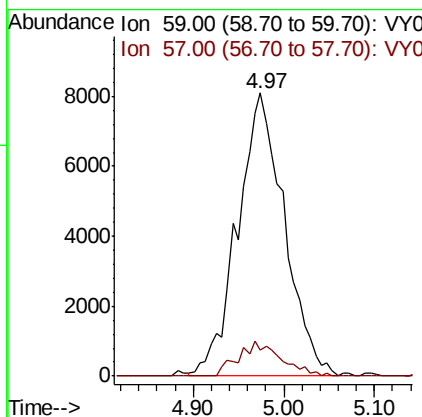
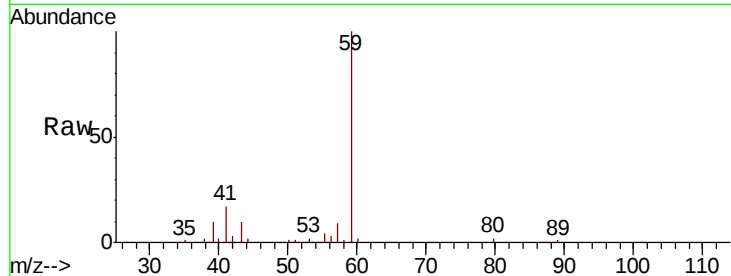
#11
Tert butyl alcohol
Concen: 95.376 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	59	57	Ratio	100	11.2	Resp	28880	Lower	8.2	Upper	12.2

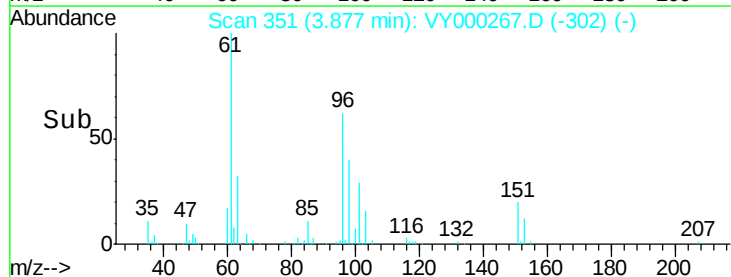
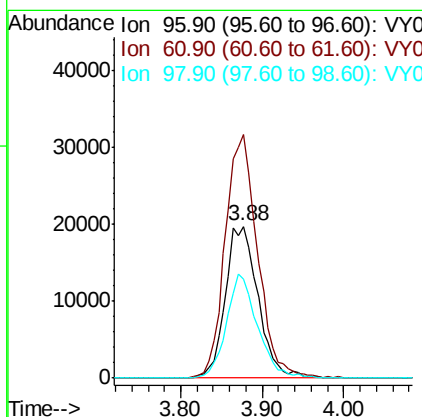
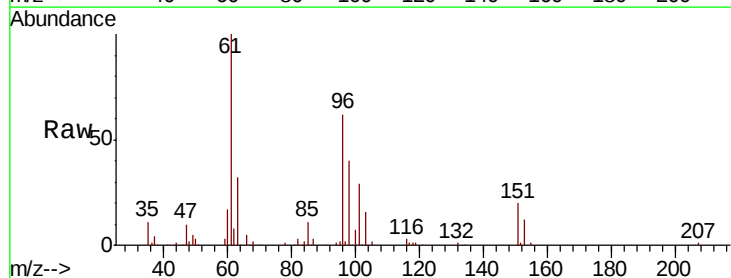
Manual Integrations
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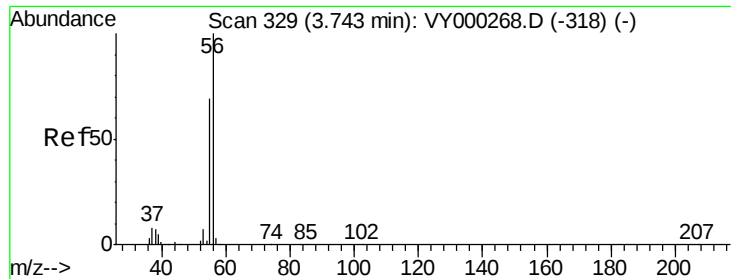
MMDadoda
10/15/2019 12:33:41 PM



#12
1,1-Dichloroethene
Concen: 19.740 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	96	61	98	Ratio	100	160.6	64.9	Resp	54664	Lower	125.8	Upper	188.6	69.2





#13

Acrolein

Concen: 95.462 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 33875

Ion Ratio Lower Upper

56 100

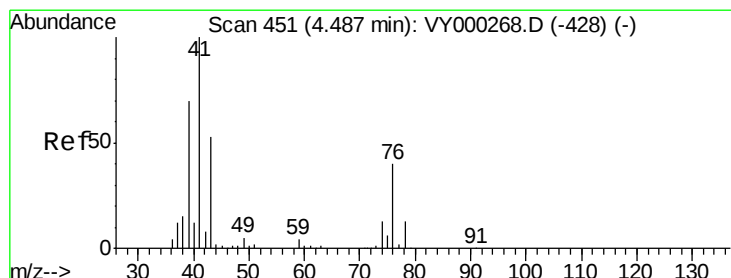
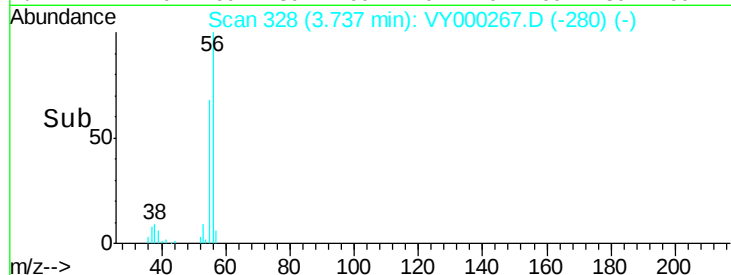
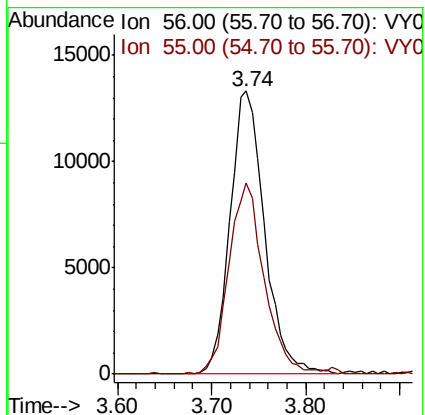
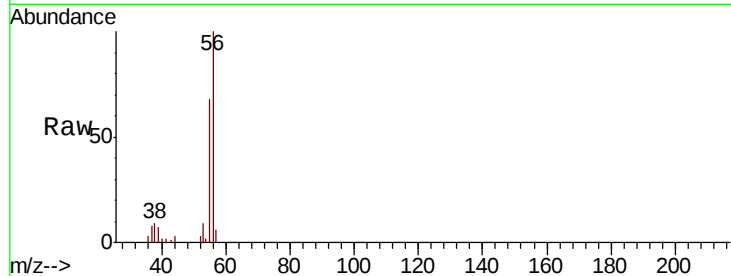
55 69.0 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 19.610 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

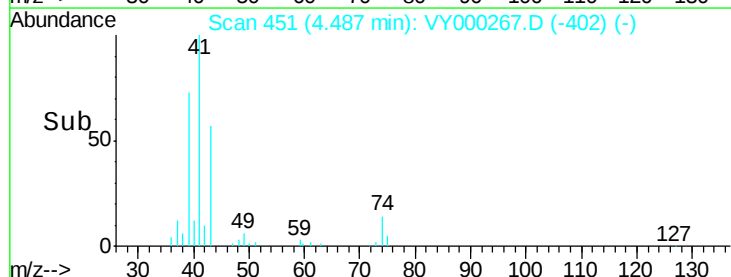
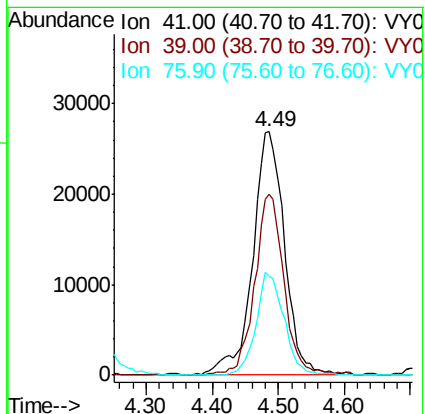
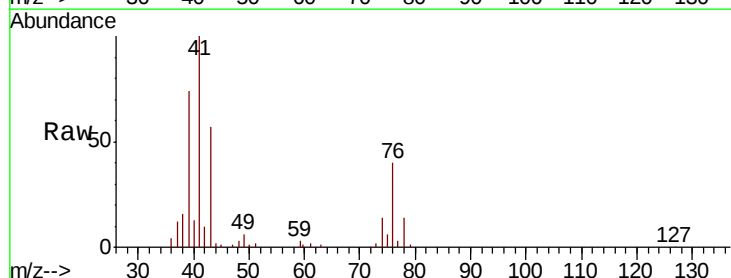
Tgt Ion: 41 Resp: 89990

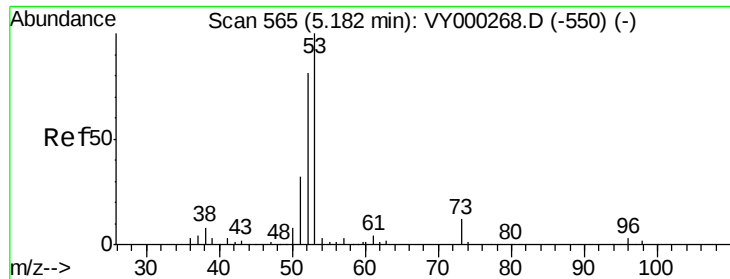
Ion Ratio Lower Upper

41 100

39 68.2 54.0 81.0

76 37.1 30.7 46.1





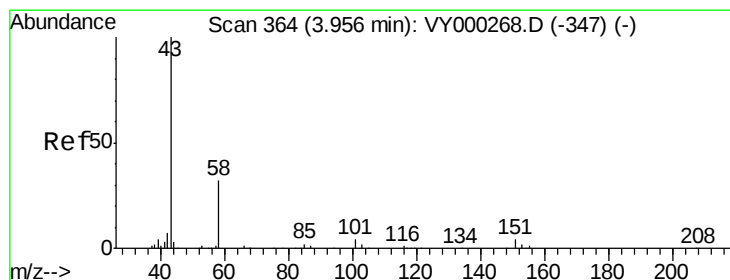
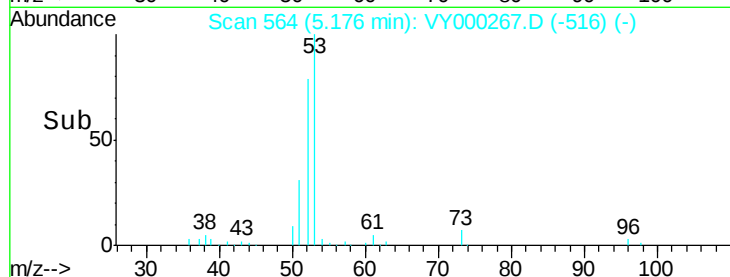
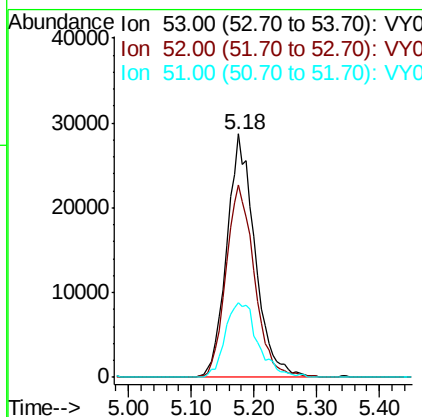
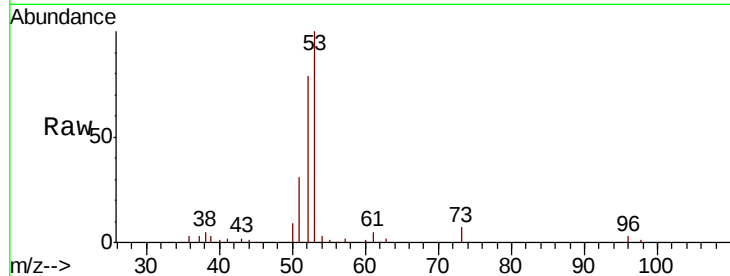
#15
 Acrylonitrile
 Concen: 97.545 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	89212
Ion Ratio	Lower	Upper	
53	100		
52	79.8	62.9	94.3
51	35.1	26.9	40.3

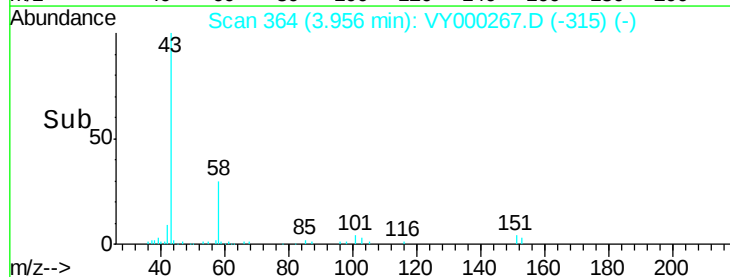
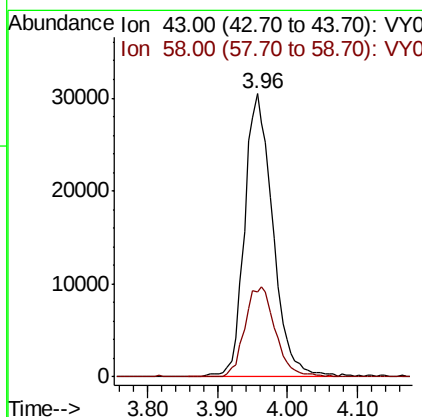
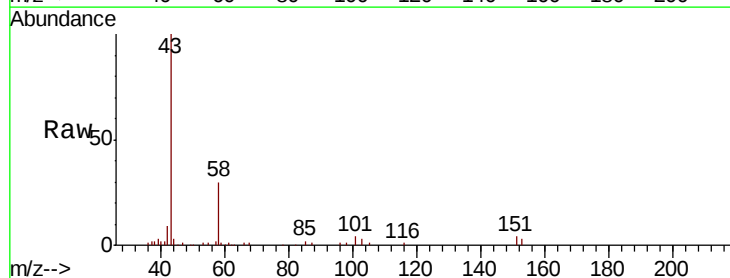
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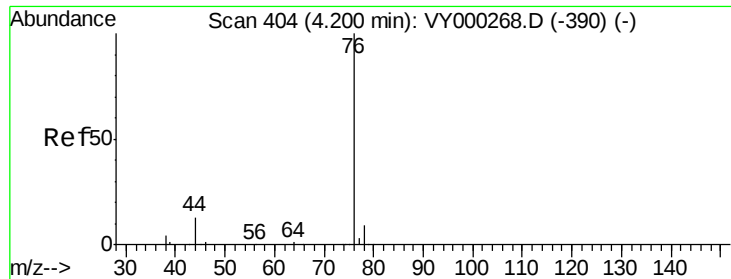
MMDadoda
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#16
 Acetone
 Concen: 91.560 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion:	43	Resp:	85758
Ion Ratio	Lower	Upper	
43	100		
58	29.8	25.8	38.6





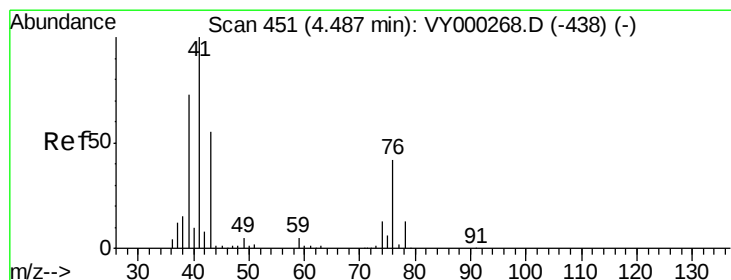
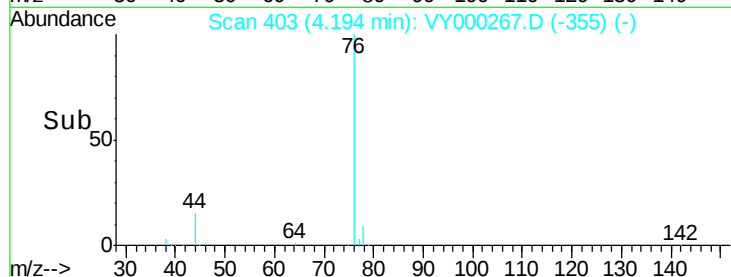
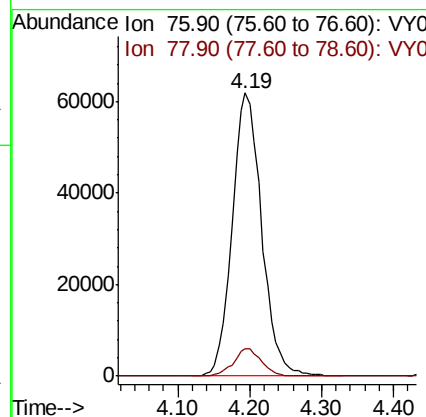
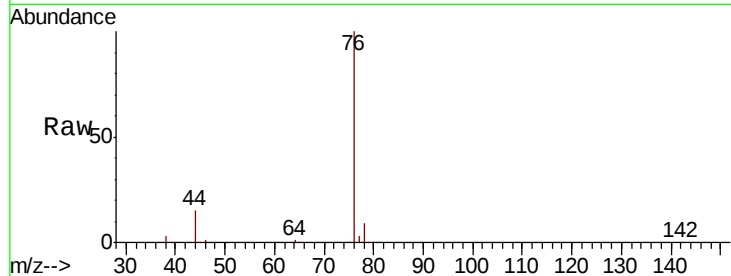
#17
Carbon Disulfide
Concen: 20.136 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

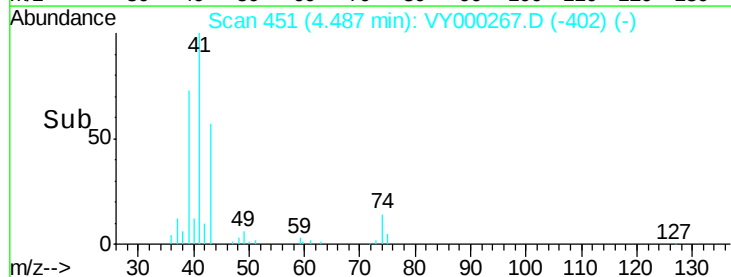
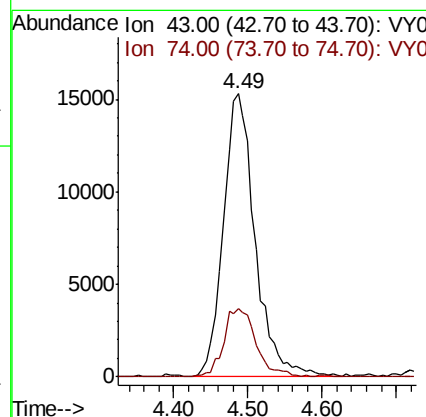
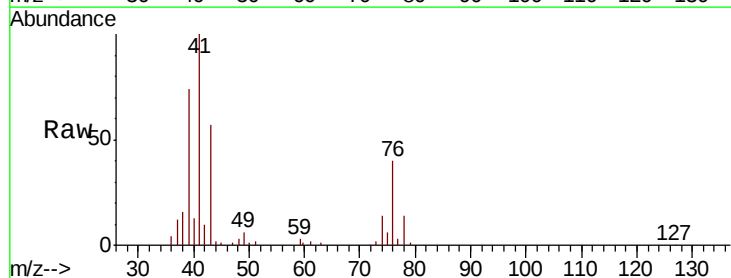
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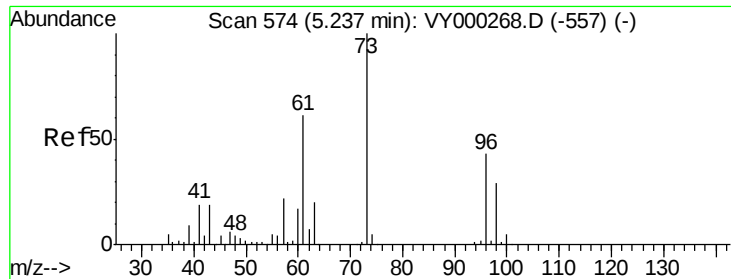
MMDadoda
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#18
Methyl Acetate
Concen: 19.557 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.4	30.6





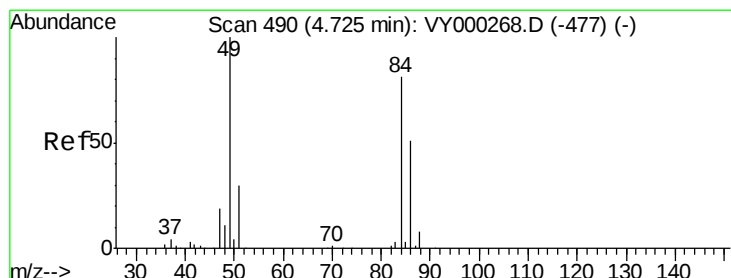
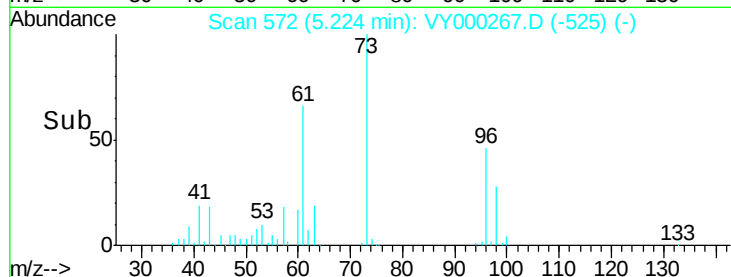
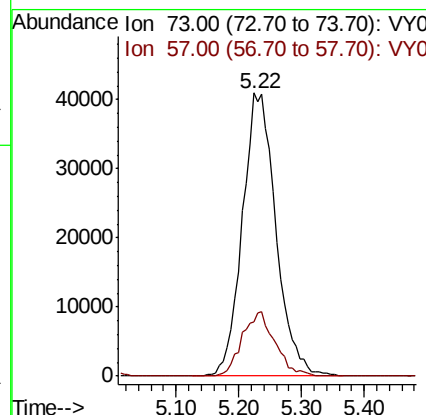
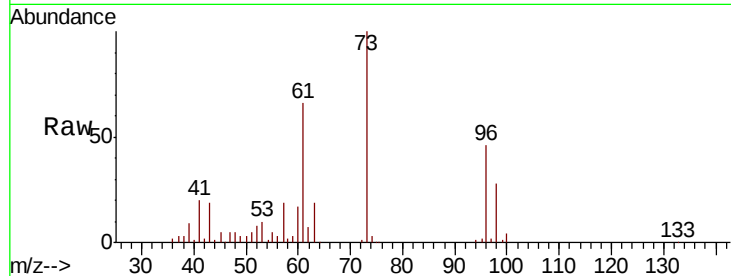
#19
Methvl tert-butvl Ether
Concen: 19.706 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	17.4	26.0

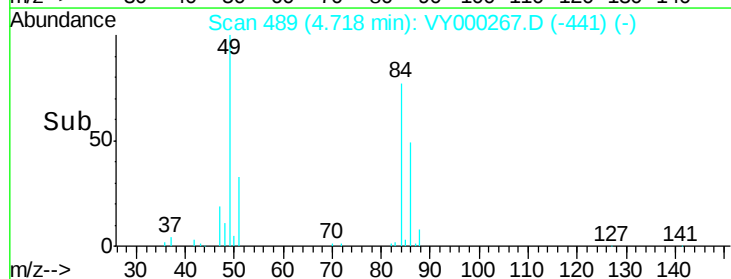
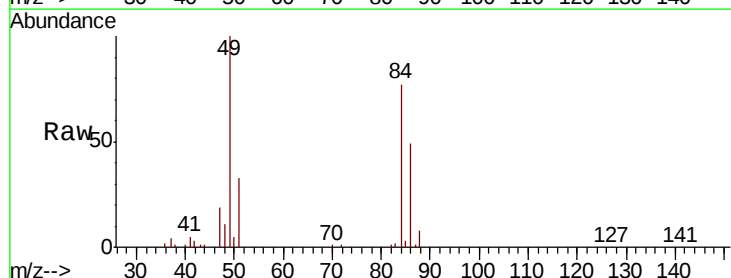
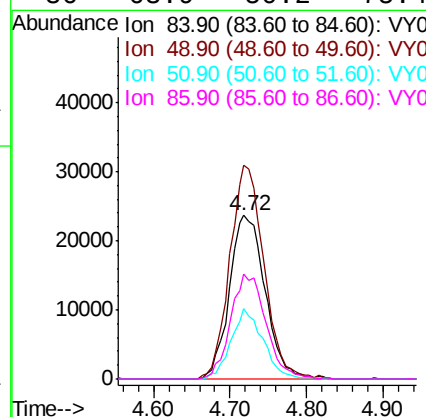
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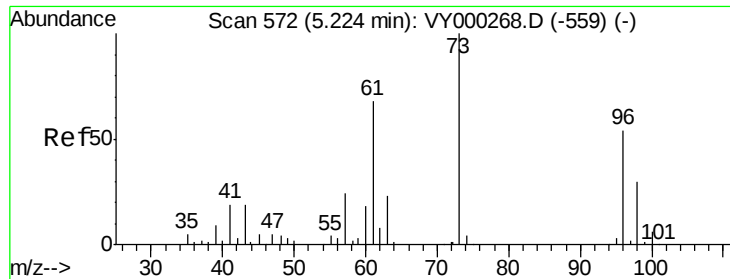
MMDadoda
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#20
Methylene Chloride
Concen: 19.955 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.4	99.0	148.4
51	42.9	29.3	43.9
86	63.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 19.764 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 62792

Ion Ratio Lower Upper

96 100

61 127.1 100.4 150.6

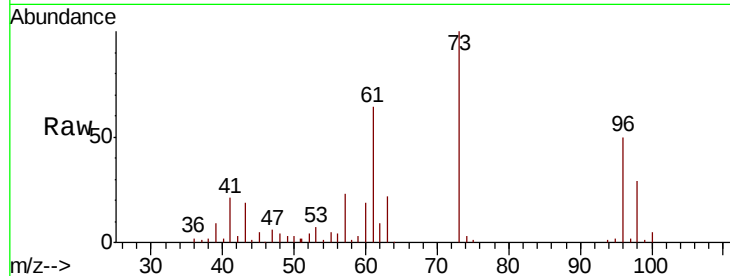
98 57.9 44.6 66.8

Manual Integrations

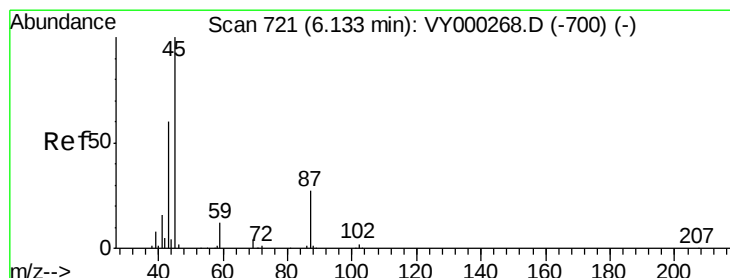
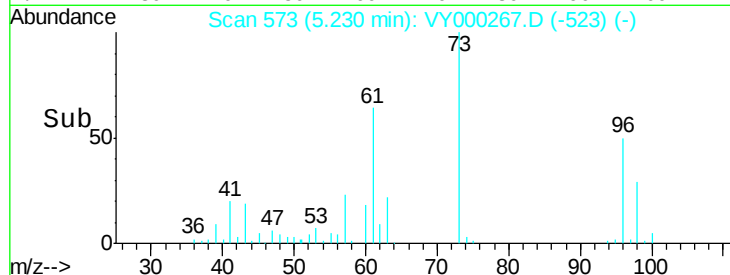
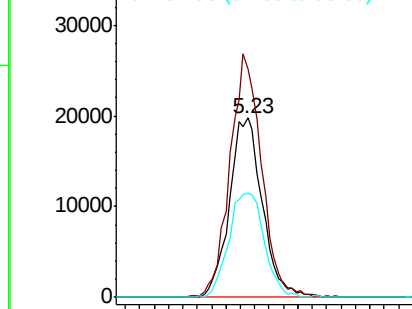
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Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 19.516 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion: 45 Resp: 189419

Ion Ratio Lower Upper

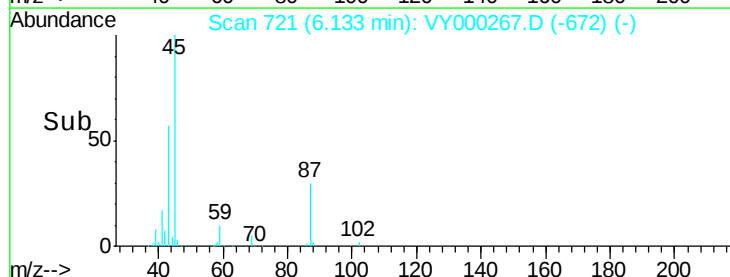
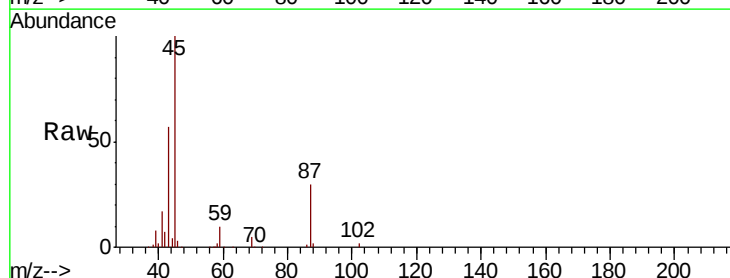
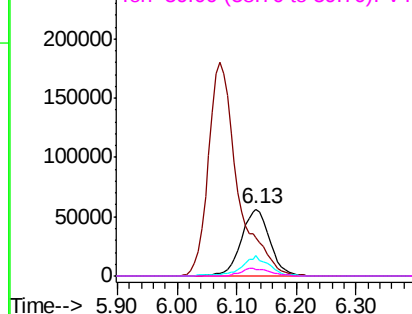
45 100

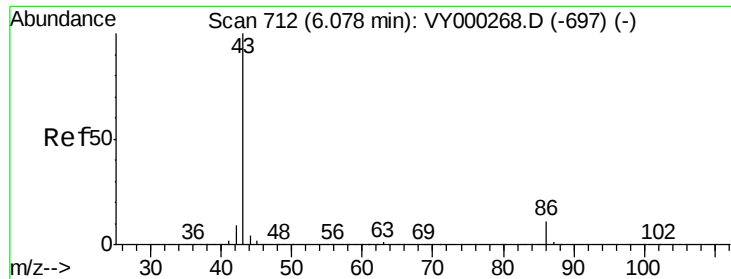
43 56.5 48.5 72.7

87 30.1 21.5 32.3

59 10.4 9.4 14.0

Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





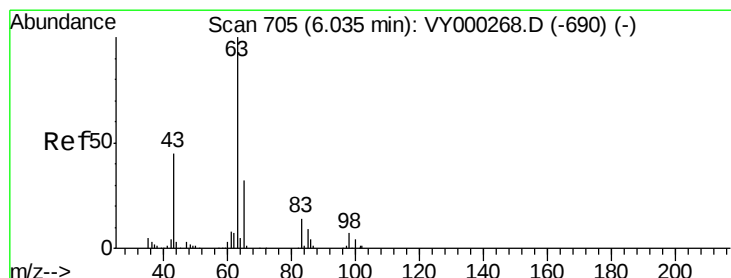
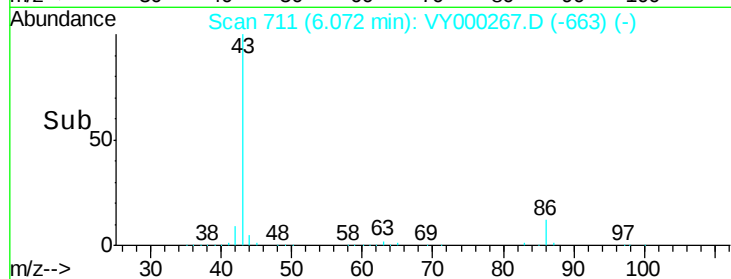
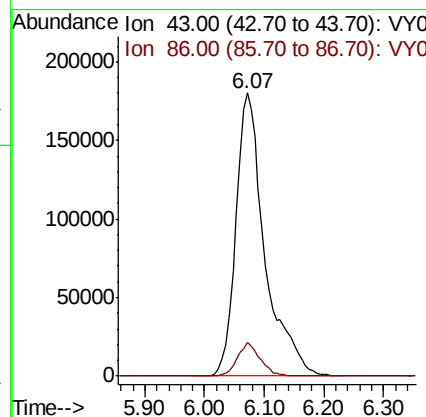
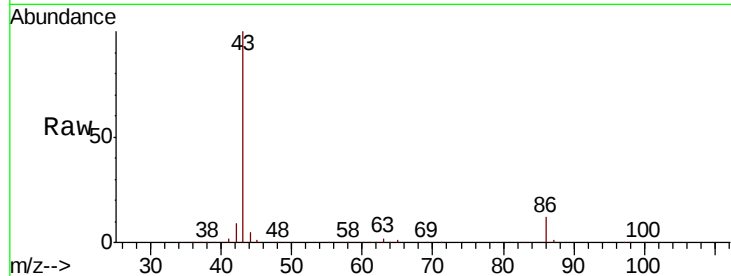
#23
 Vinyl Acetate
 Concen: 95.718 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.7	8.6	13.0

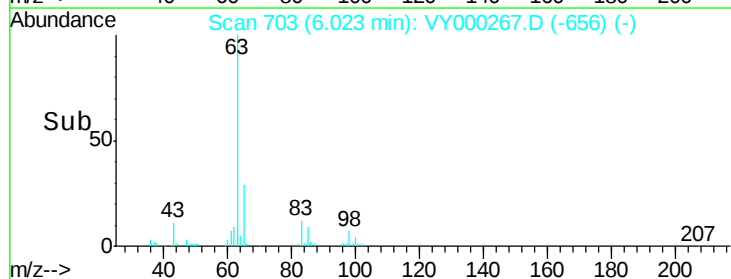
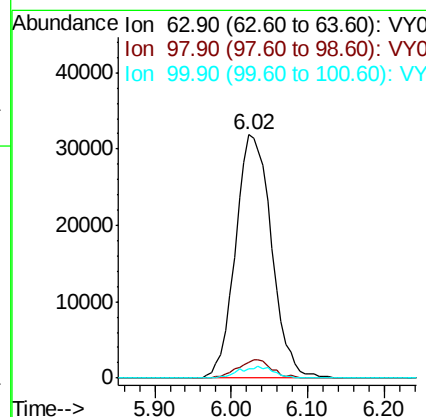
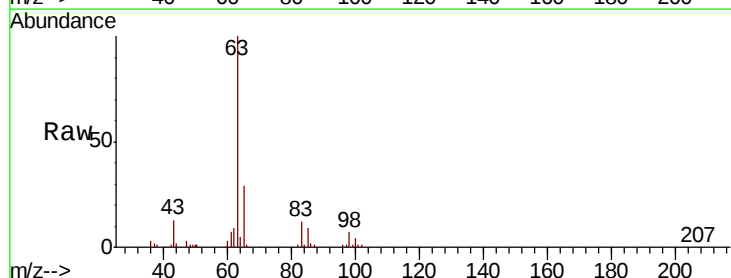
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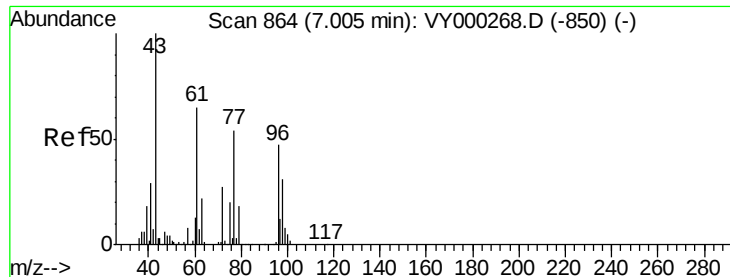
MMDadoda
 10/15/2019 12:33:41 PM



#24
 1,1-Dichloroethane
 Concen: 19.632 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.5	10.4
100	3.7	2.1	6.2





#25

2-Butanone

Concen: 94.653 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 124886

Ion Ratio Lower Upper

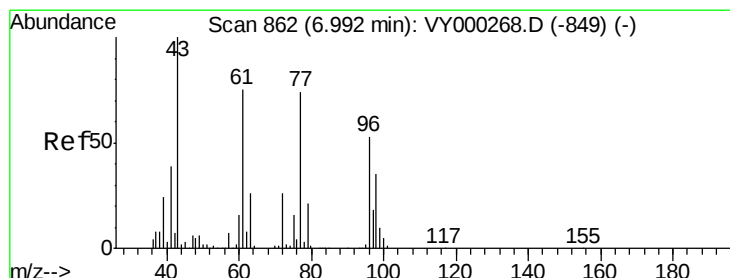
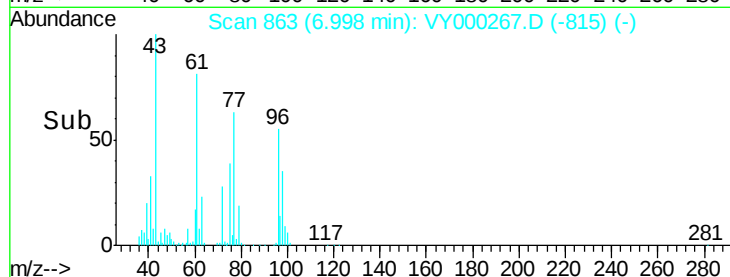
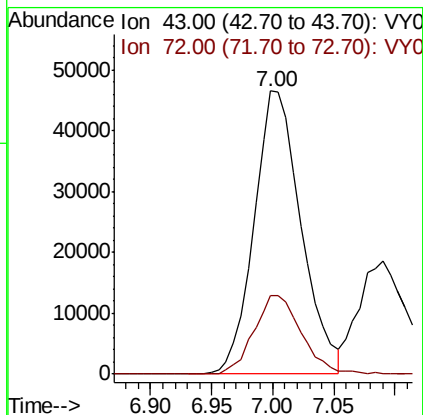
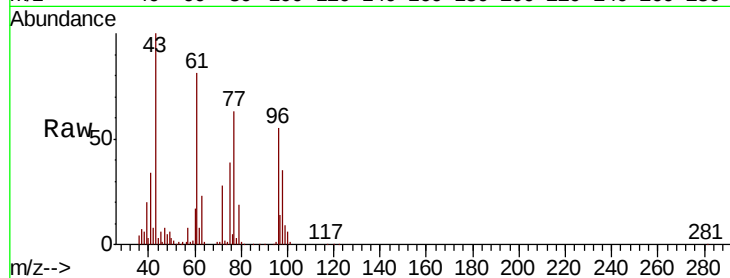
43 100

72 27.8 21.4 32.2

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#26

2,2-Dichloropropane

Concen: 19.201 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000267.D

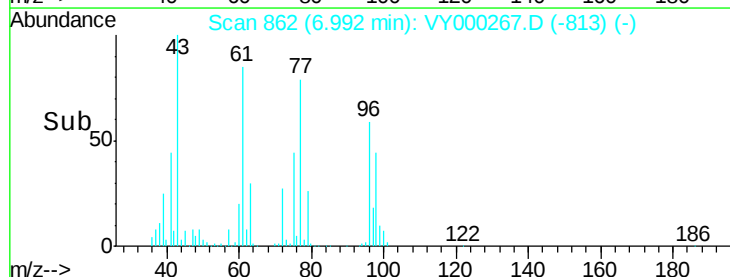
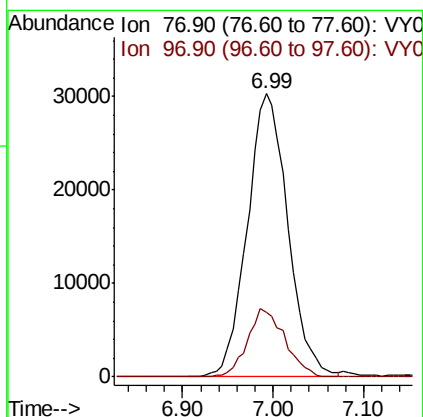
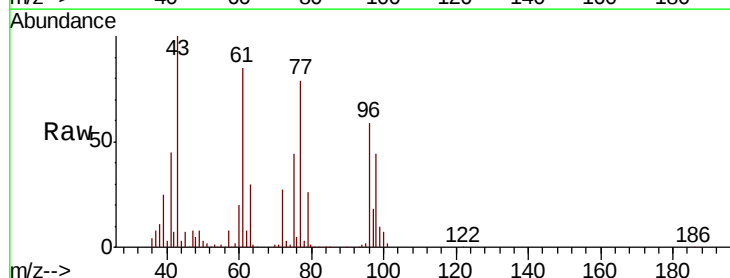
Acq: 11 Oct 2019 13:30

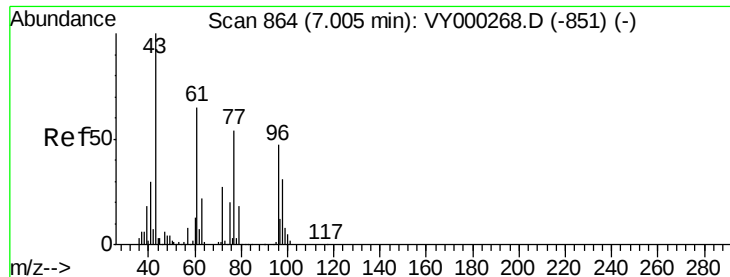
Tgt Ion: 77 Resp: 93734

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

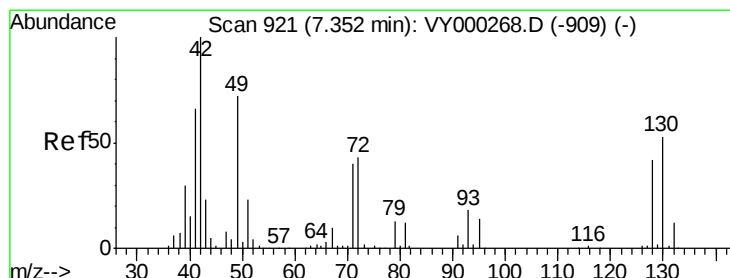
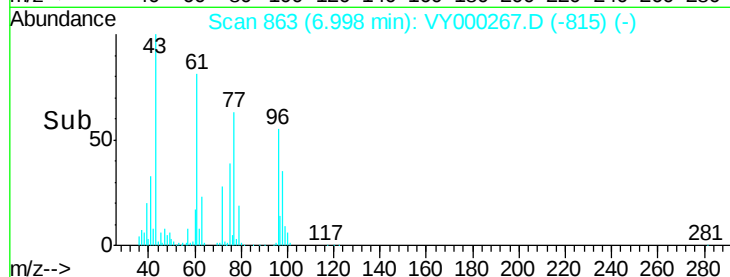
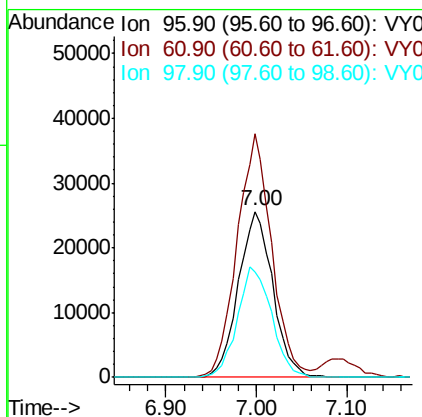
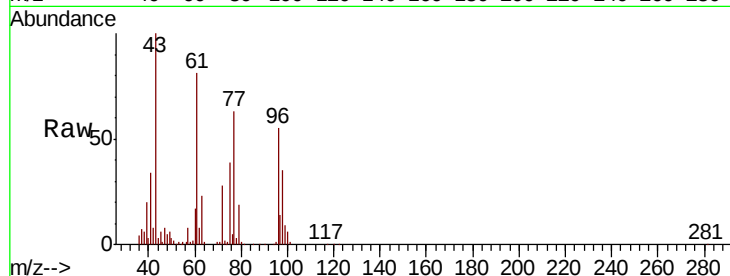
cis-1,2-Dichloroethene
Concen: 19.562 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.8	0.0	289.8
98	66.5	0.0	131.8

Manual Integrations
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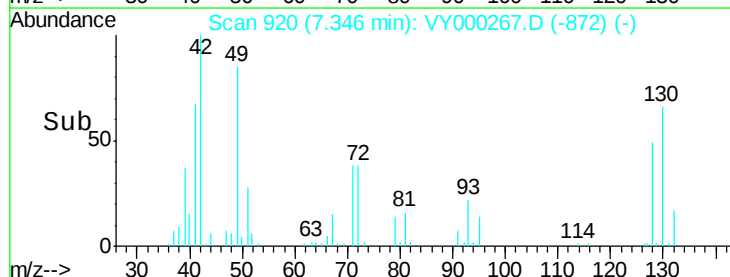
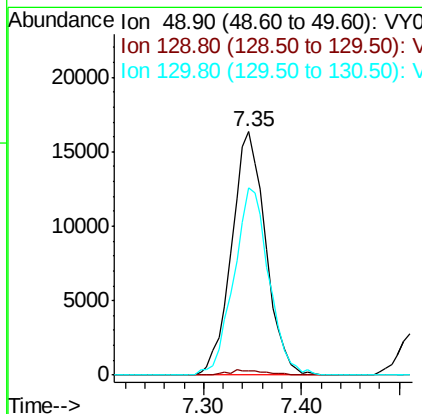
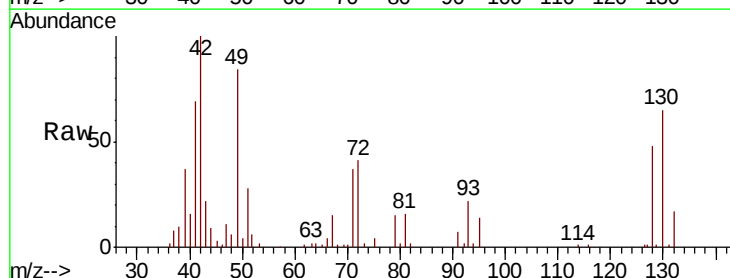
MMDadoda
10/15/2019 12:33:41 PM

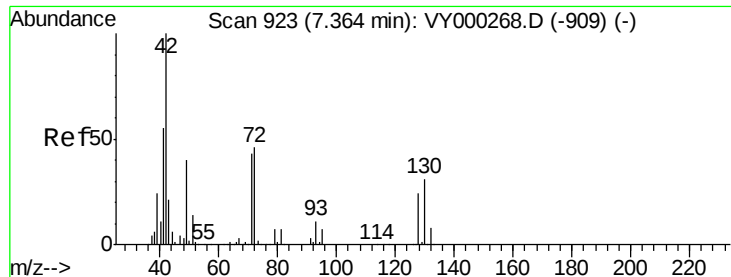


#28

Bromochloromethane
Concen: 17.305 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	79.3	58.2	87.2





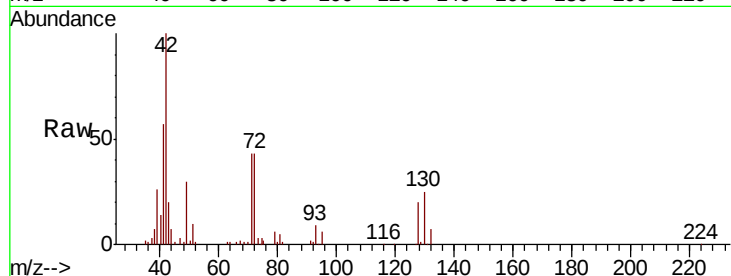
#29
Tetrahydrofuran
Concen: 94.598 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

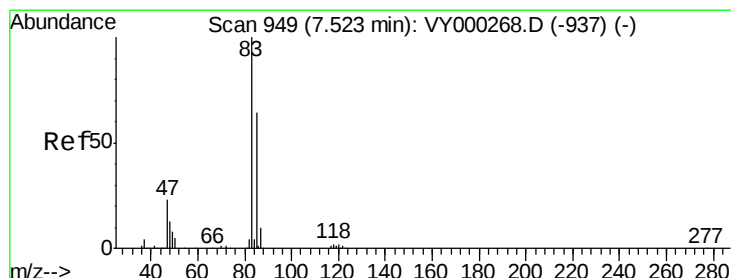
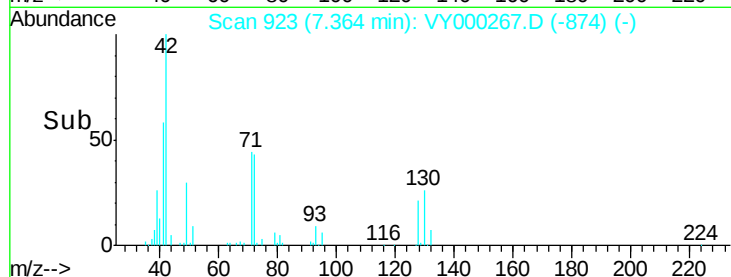
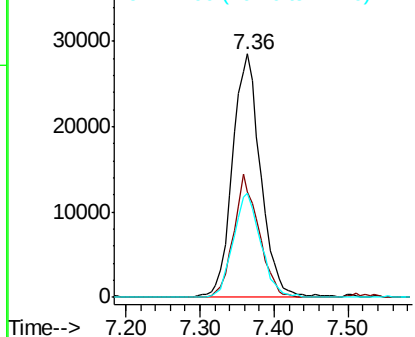
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.5	51.7
71	41.9	32.7	49.1

Manual Integrations
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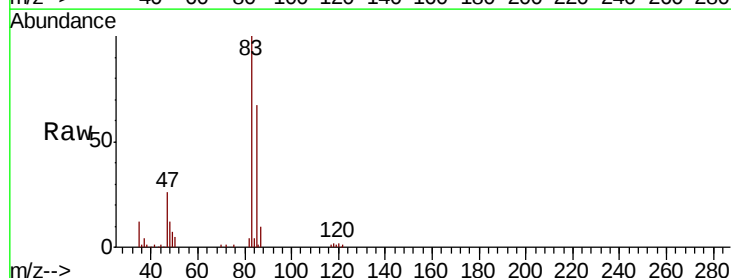


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

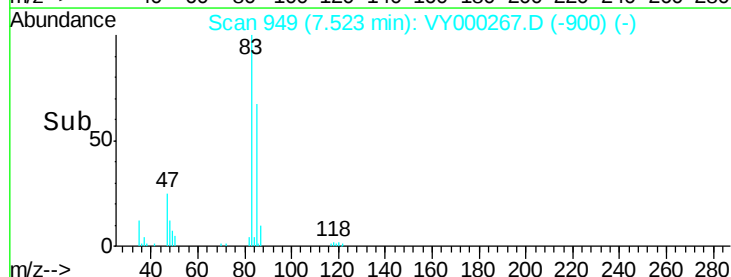
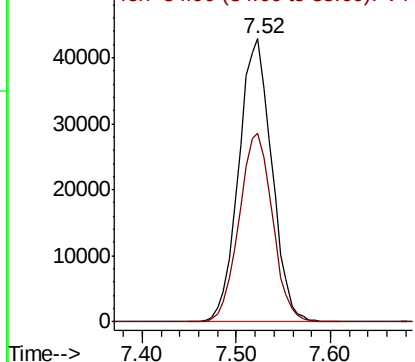


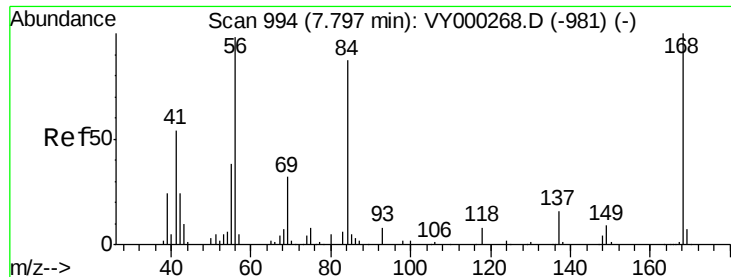
#30
Chloroform
Concen: 19.594 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





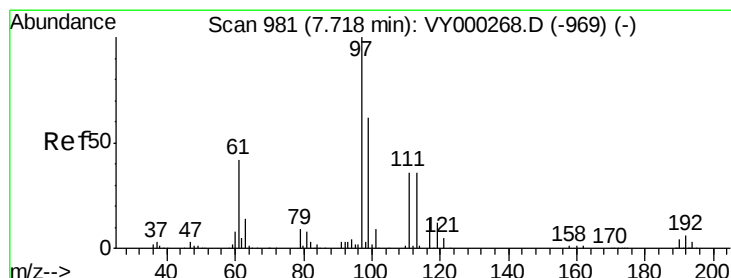
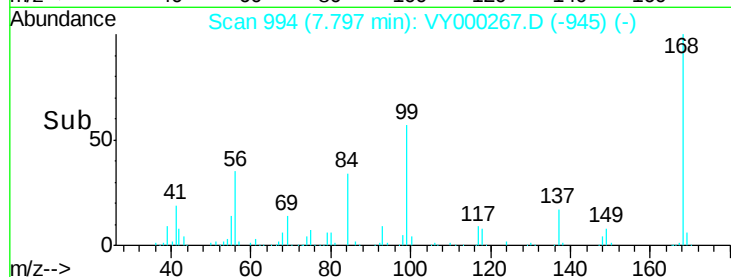
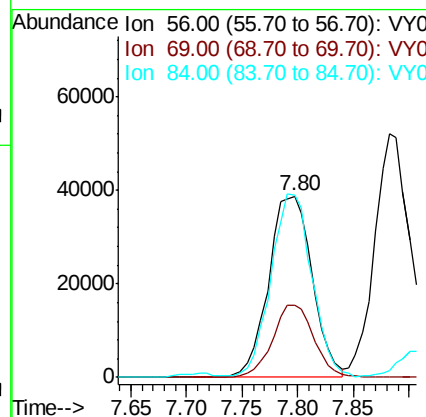
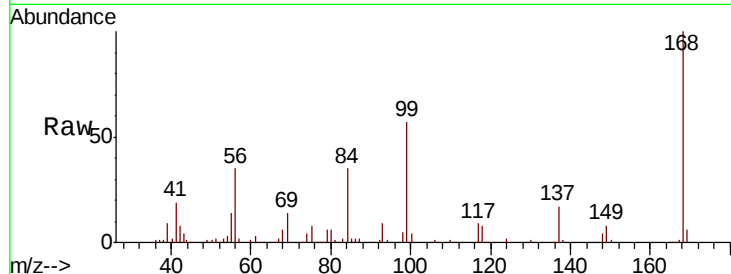
#31
Cyclohexane
Concen: 19.087 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	26.3	39.5#
84	99.2	70.8	106.2

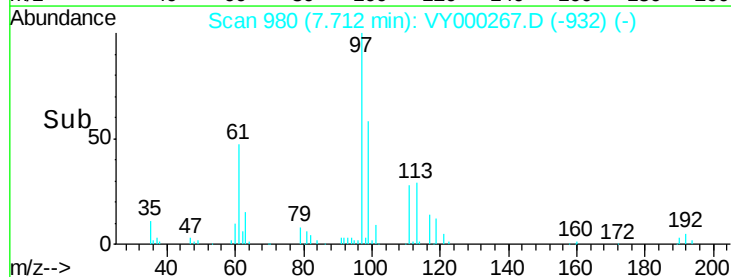
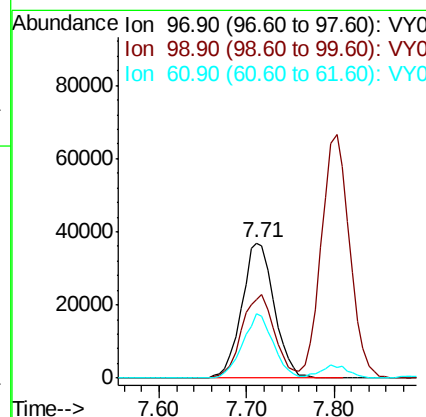
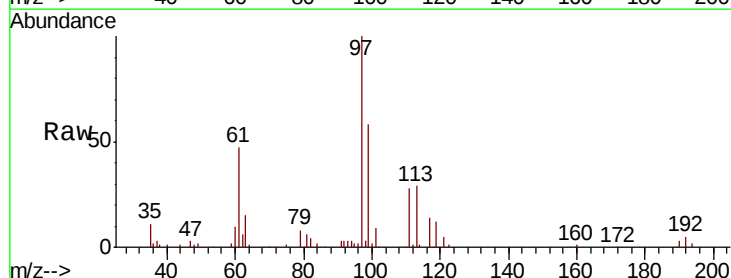
Manual Integrations
APPROVED

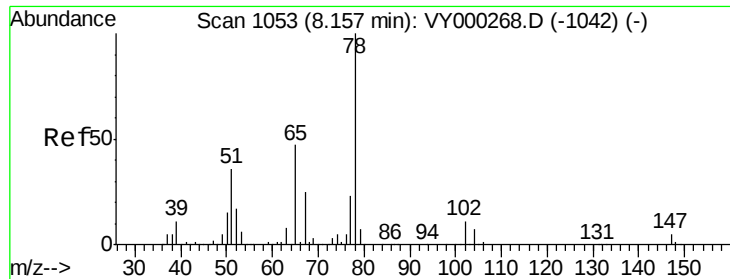
MMDadoda
10/15/2019 12:33:41 PM



#32
1,1,1-Trichloroethane
Concen: 20.032 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.7	77.5
61	44.6	34.5	51.7





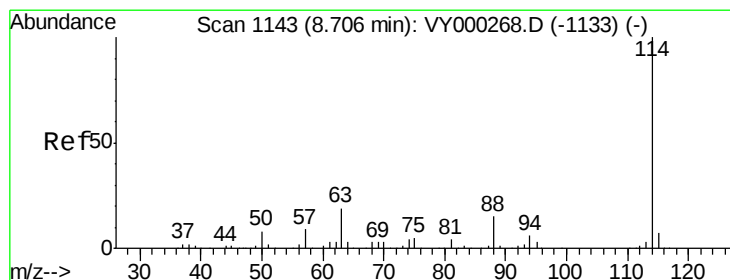
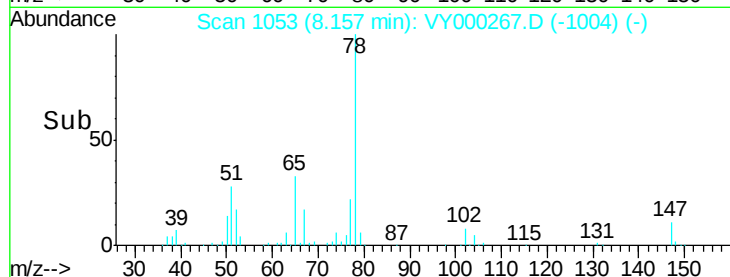
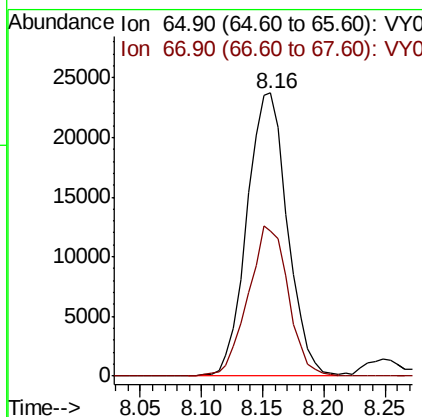
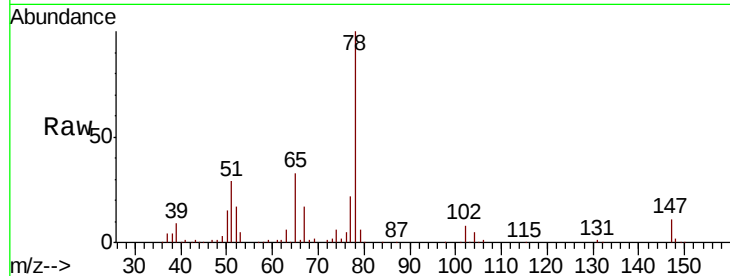
#33
 1,2-Dichloroethane-d4
 Concen: 18.890 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDIC020

Tot Ion: 65 Resp: 54634
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 109.4

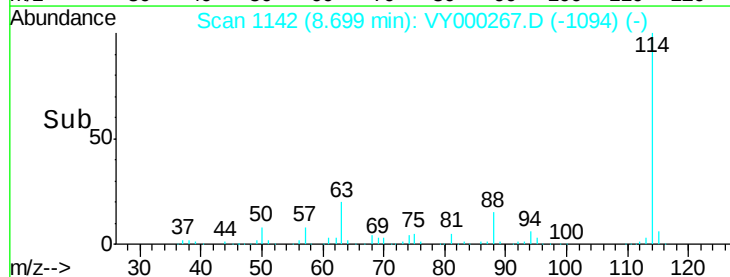
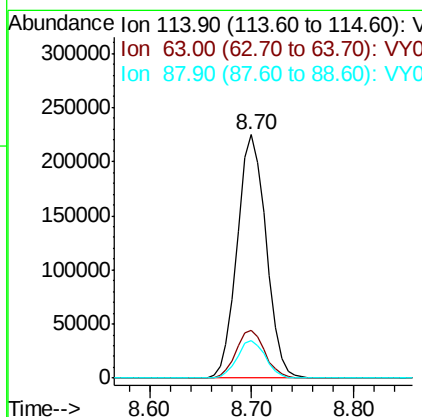
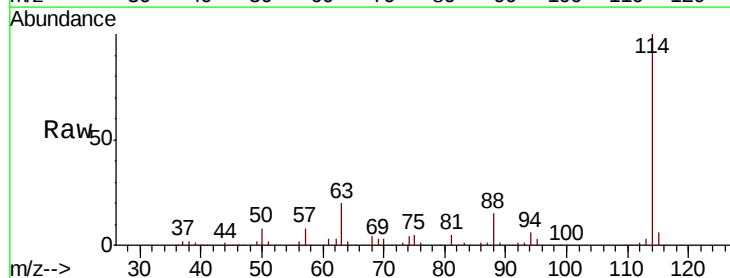
Manual Integrations
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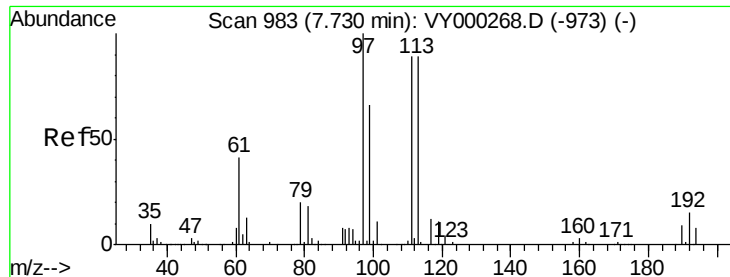
MMDadoda
 10/15/2019 12:33:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion: 114 Resp: 439872
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 37.2
 88 15.3 0.0 30.2





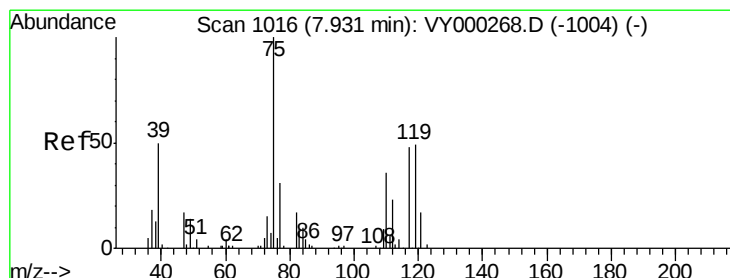
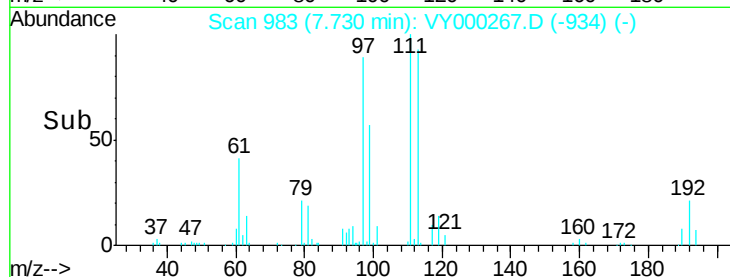
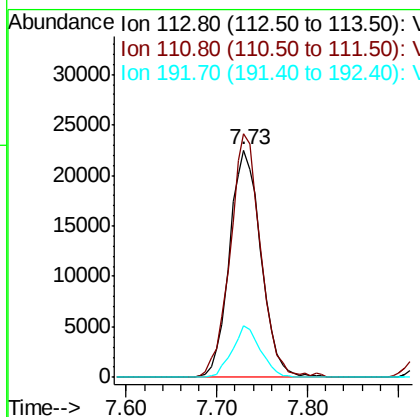
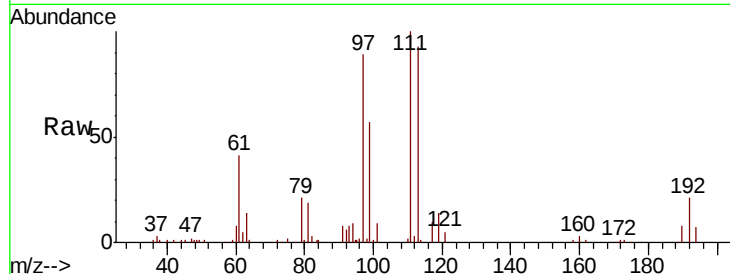
#35
 Dibromofluoromethane
 Concen: 20.619 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.6	122.4
192	20.2	15.3	22.9

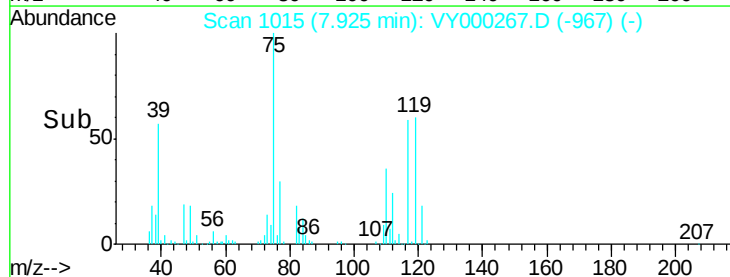
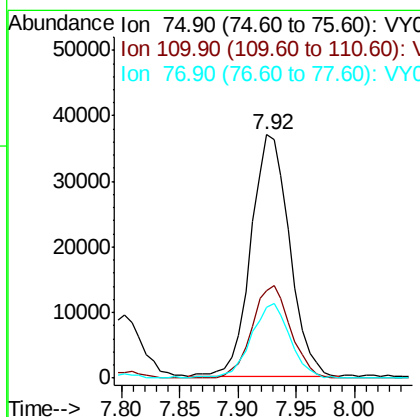
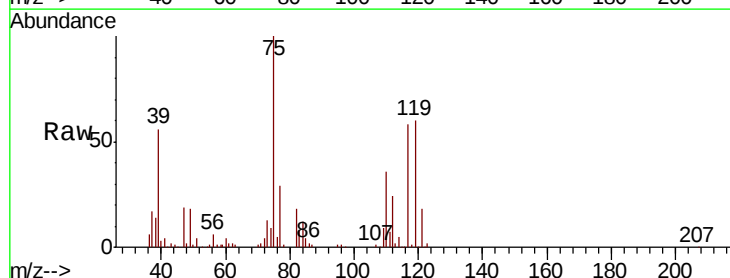
Manual Integrations
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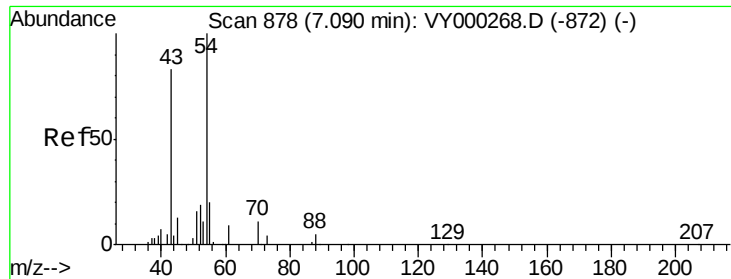
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#36
 1,1-Dichloropropene
 Concen: 19.915 ug/l
 RT: 7.92 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.4	55.4
77	31.0	25.0	37.6





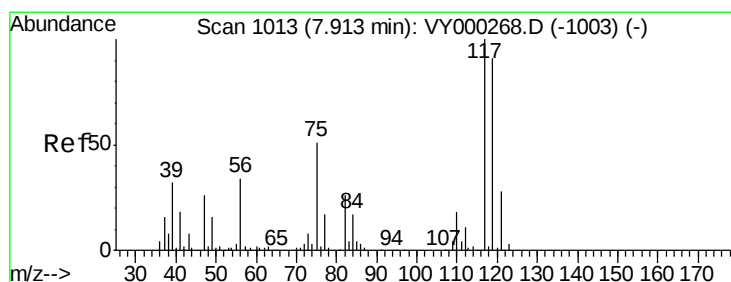
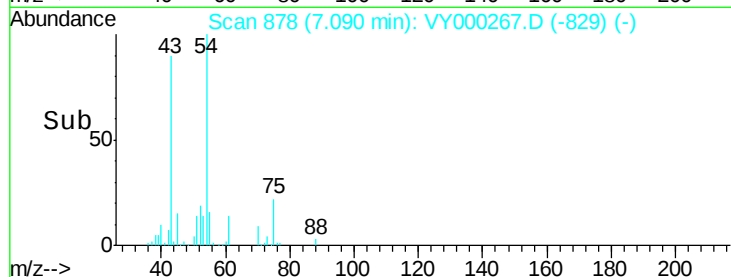
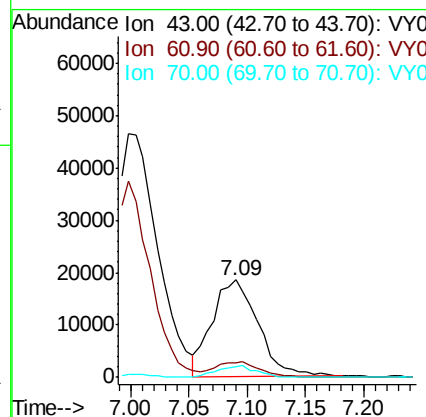
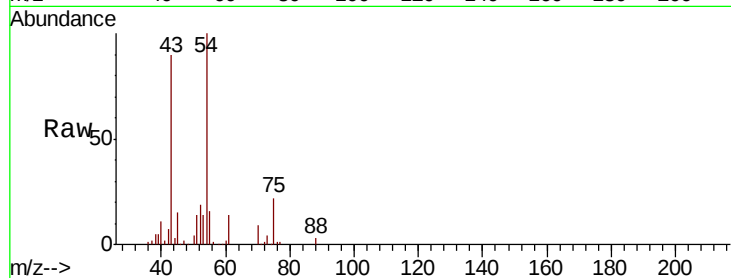
#37
Ethyl Acetate
Concen: 19.797 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.1	18.1
70	10.2	8.7	13.1

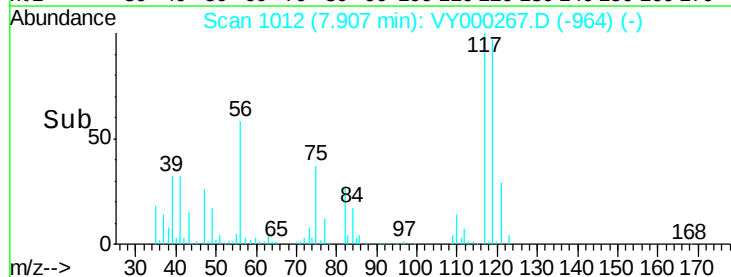
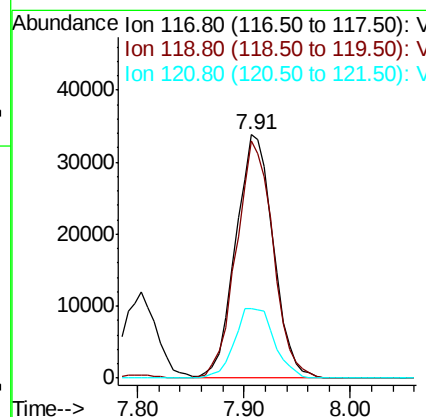
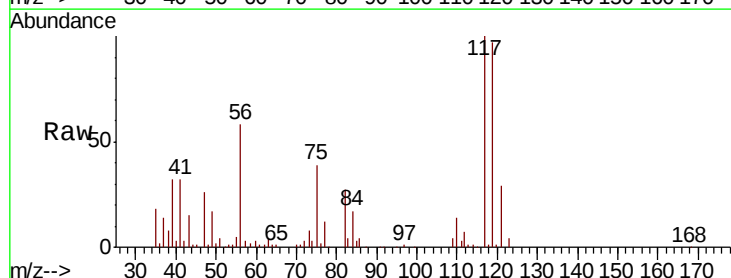
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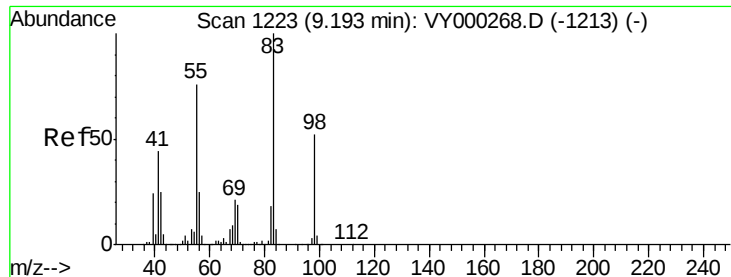
MMDadoda
10/15/2019 12:33:41 PM



#38
Carbon Tetrachloride
Concen: 20.055 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	72.8	109.2
121	28.7	22.2	33.2





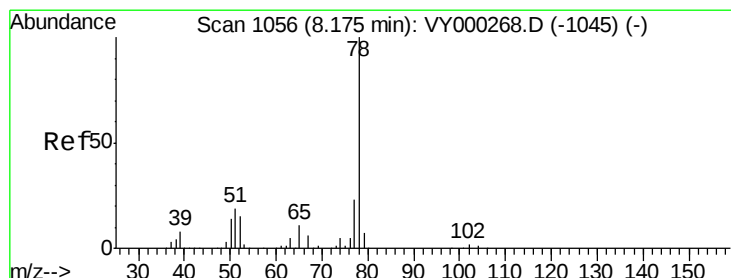
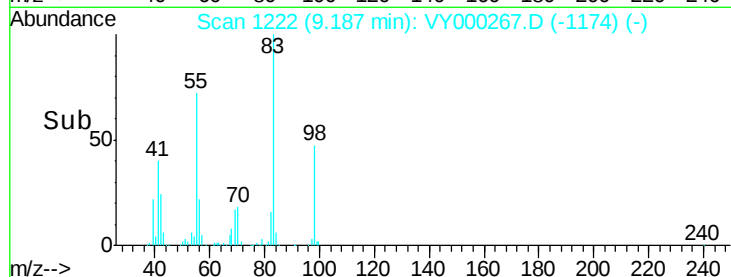
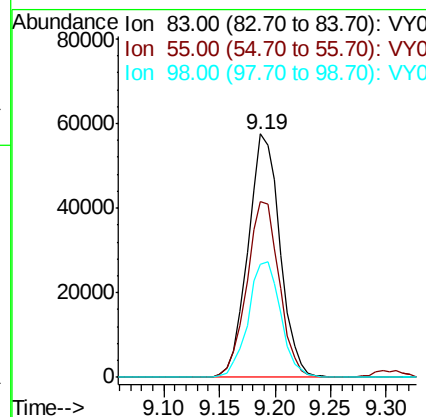
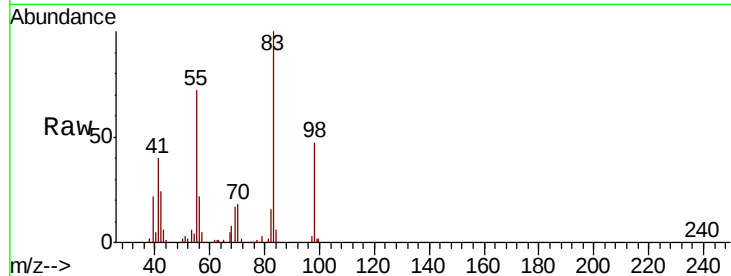
#39
Methvlcvclohexane
Concen: 20.423 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	60.9	91.3
98	46.6	41.8	62.6

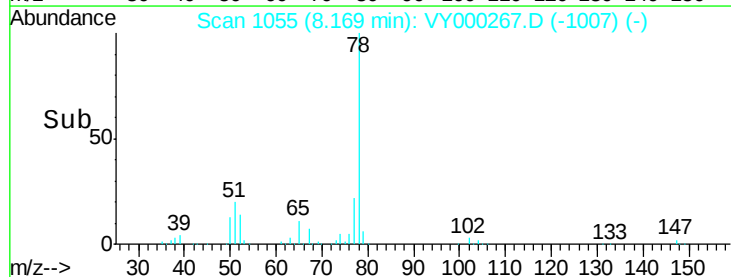
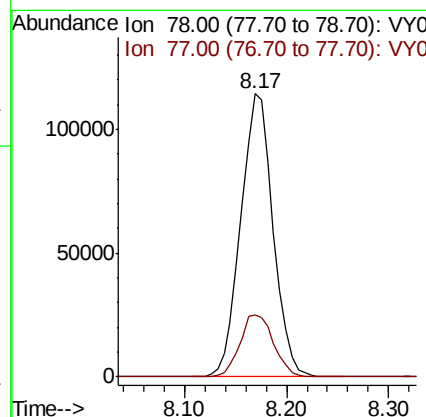
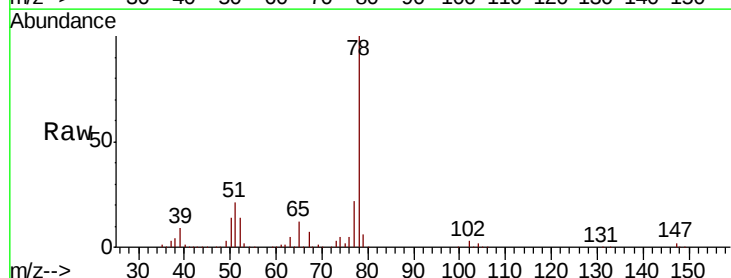
Manual Integrations
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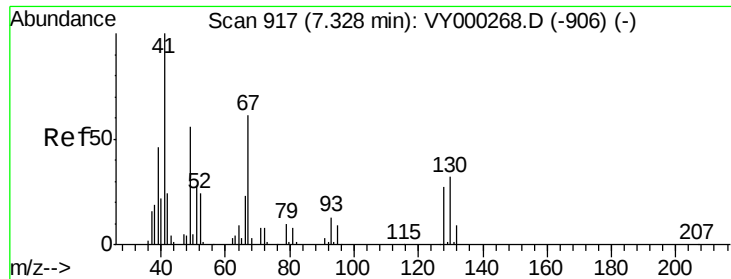
MMDadoda
10/15/2019 12:33:41 PM



#40
Benzene
Concen: 20.105 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.8	28.2





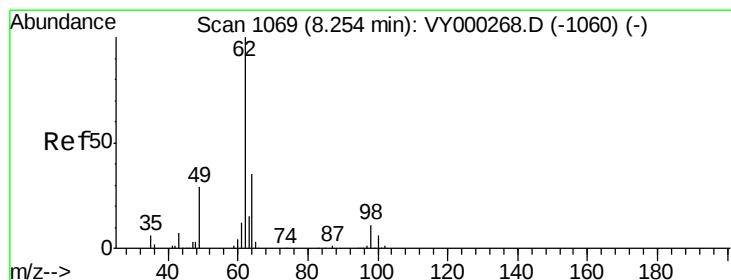
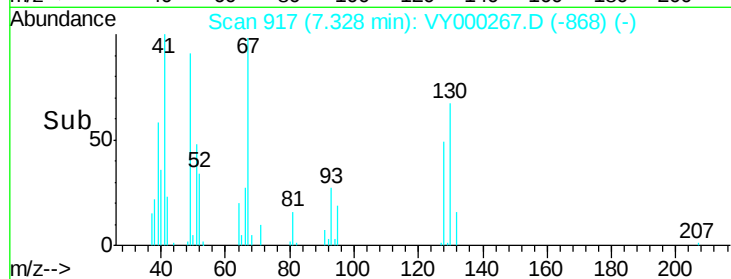
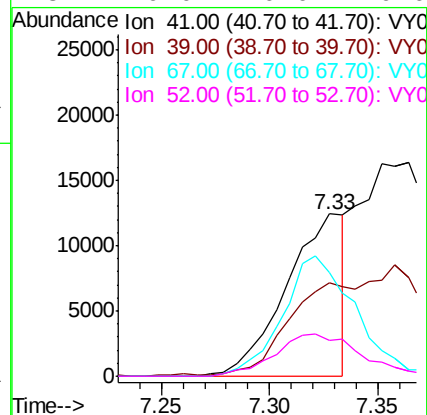
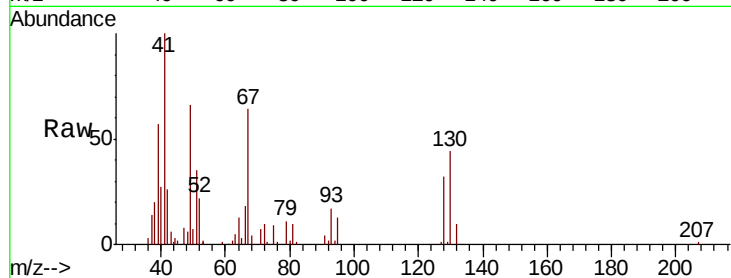
#41
Methacrylonitrile
Concen: 21.133 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	143.6	110.2	165.2	
67	0.0	0.0	0.0	
52	0.0	0.0	0.0	

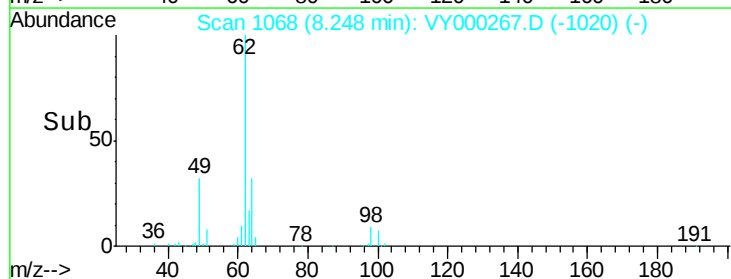
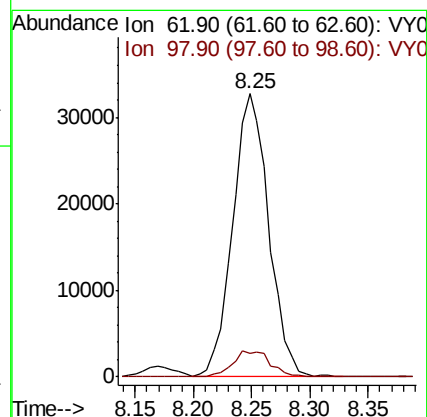
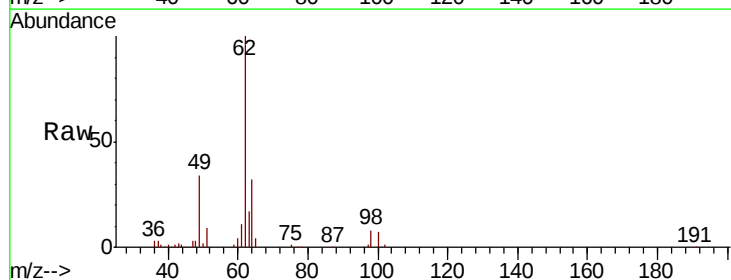
Manual Integrations
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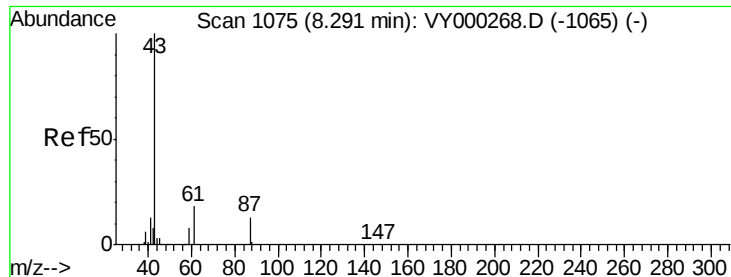
MMDadoda
10/15/2019 12:33:41 PM



#42
1,2-Dichloroethane
Concen: 19.714 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	20.6	





#43

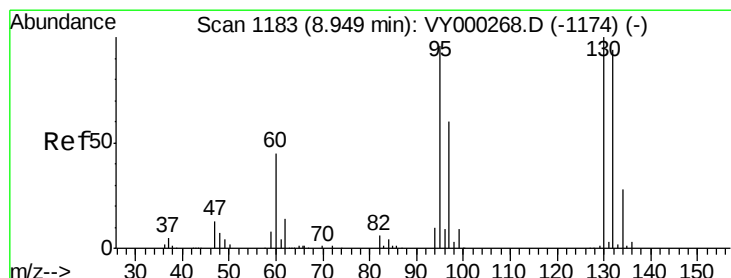
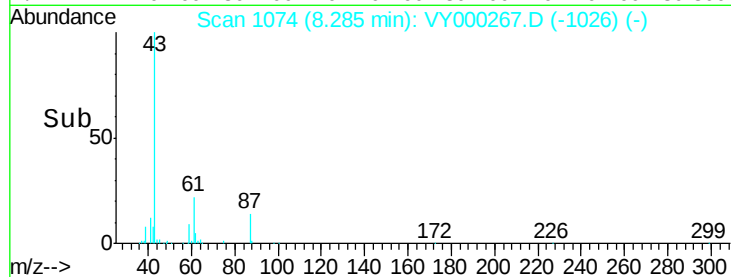
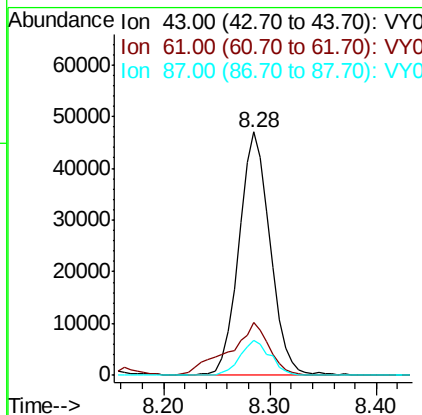
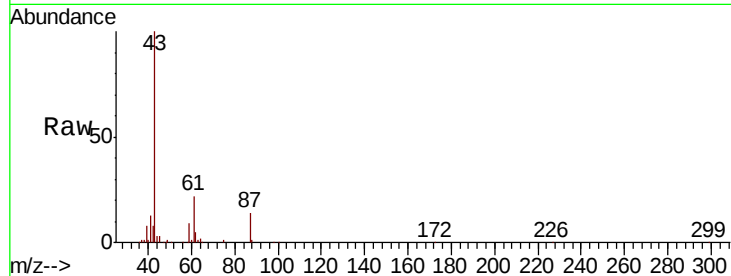
Isopropyl Acetate
 Concen: 19.886 ug/l
 RT: 8.28 min Scan# 1074
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	22.3	33.5
87	14.0	10.9	16.3

Manual Integrations
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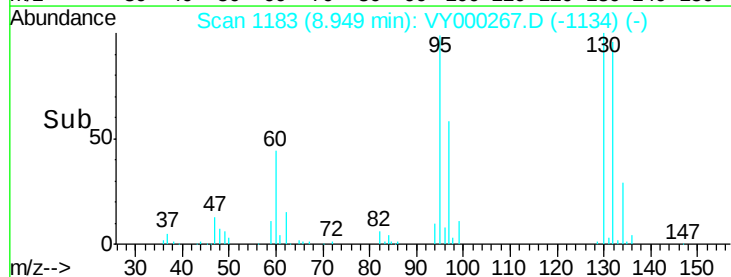
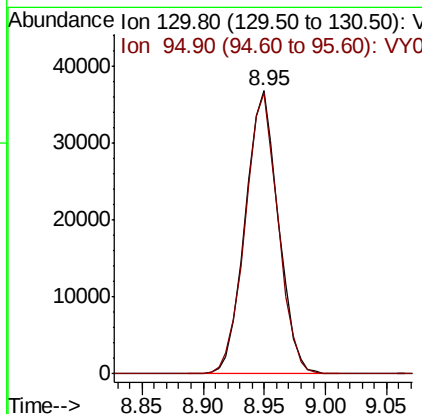
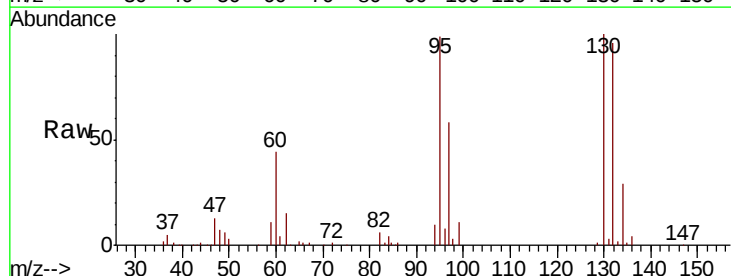
MMDadoda
 10/15/2019 12:33:41 PM

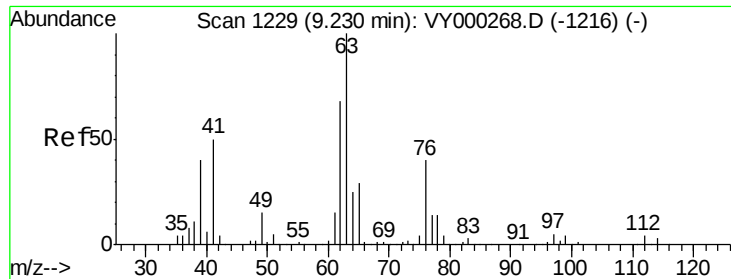


#44

Trichloroethene
 Concen: 19.893 ug/l
 RT: 8.95 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	191.4





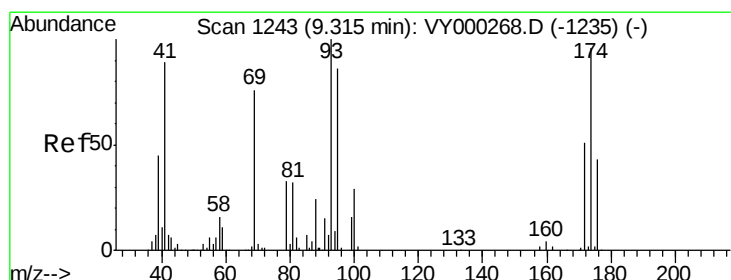
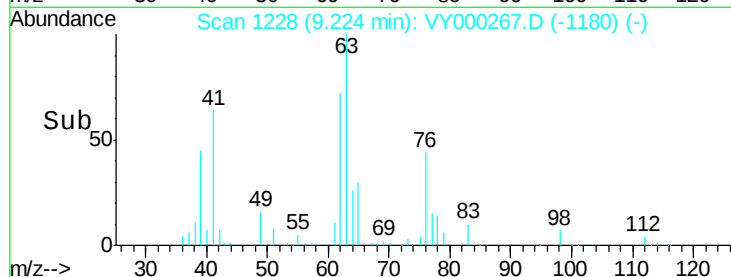
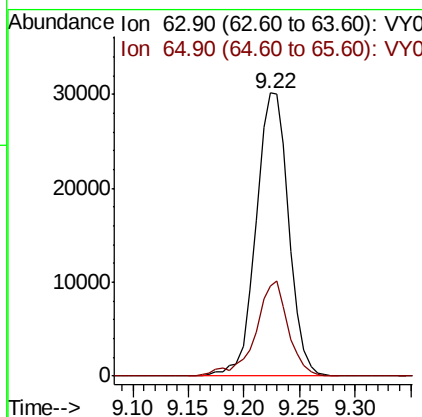
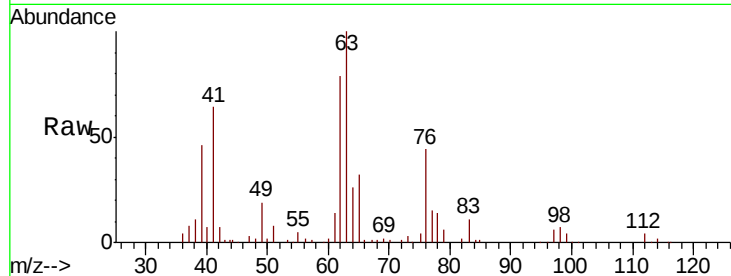
#45
 1,2-Dichloropropane
 Concen: 20.130 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 61480
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.2 34.8

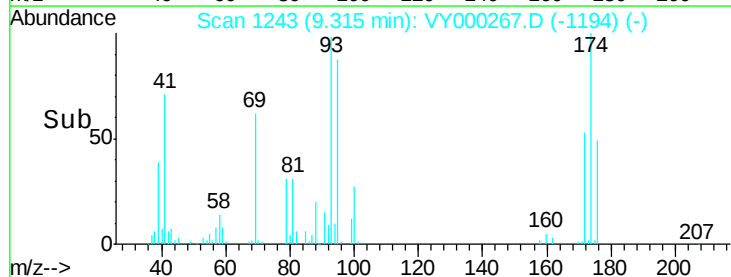
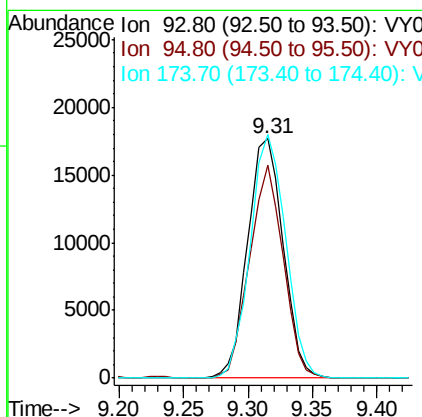
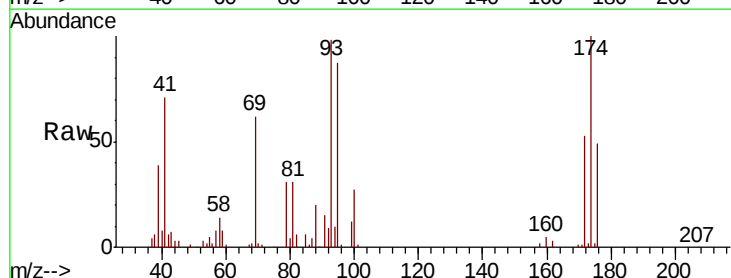
Manual Integrations
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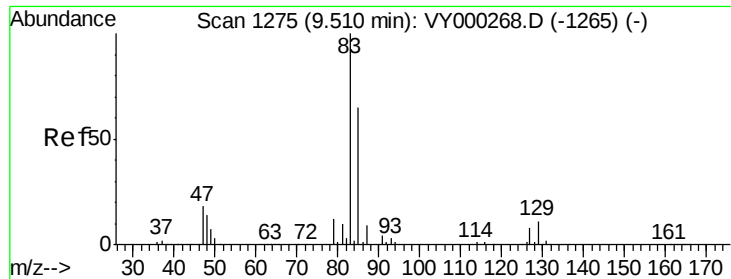
MMDadoda
 10/15/2019 12:33:41 PM



#46
 Dibromomethane
 Concen: 19.787 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion: 93 Resp: 33783
 Ion Ratio Lower Upper
 93 100
 95 84.1 68.2 102.2
 174 101.2 79.8 119.6





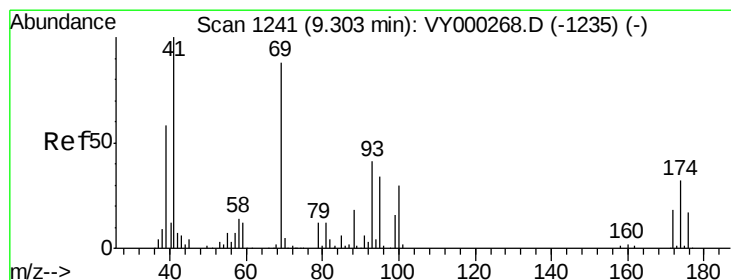
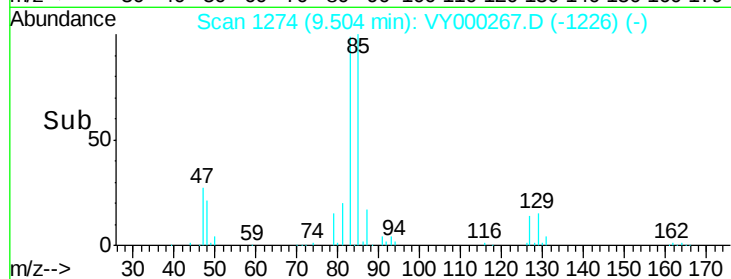
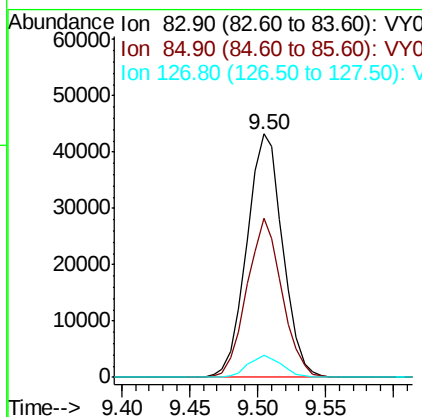
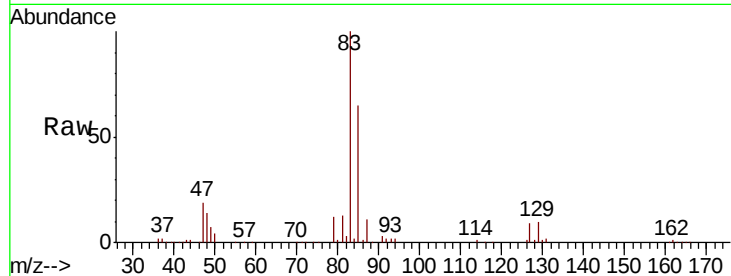
#47
Bromodichloromethane
Concen: 19.861 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	79916
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	52.2	78.2
127	8.9	6.3	9.5

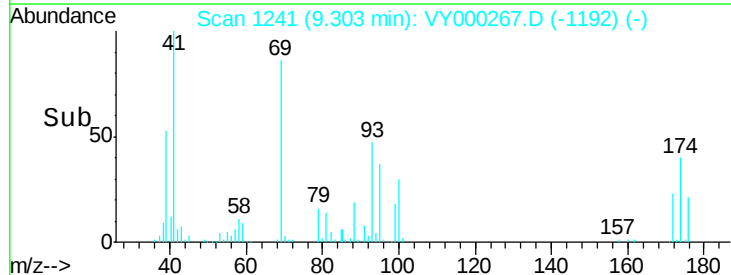
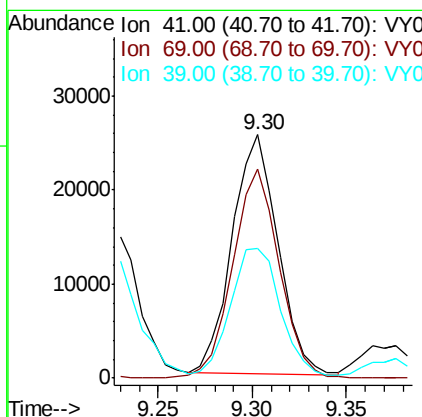
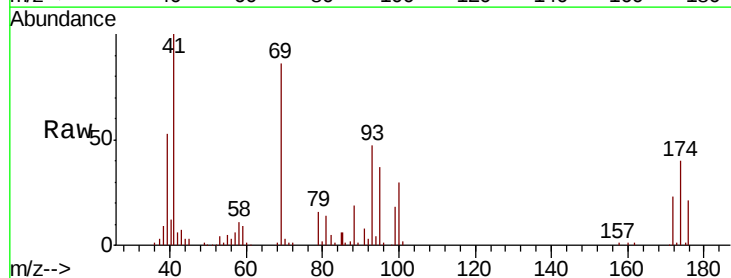
Manual Integrations
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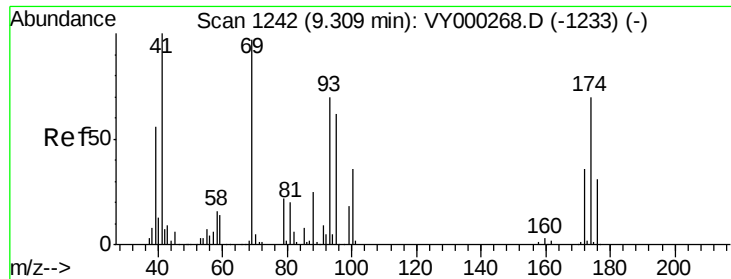
MMDadoda
10/15/2019 12:33:41 PM



#48
Methyl methacrylate
Concen: 20.171 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	41	Resp	42863
Ion Ratio	100	Lower	Upper
41	100		
69	88.9	70.0	105.0
39	60.2	47.7	71.5





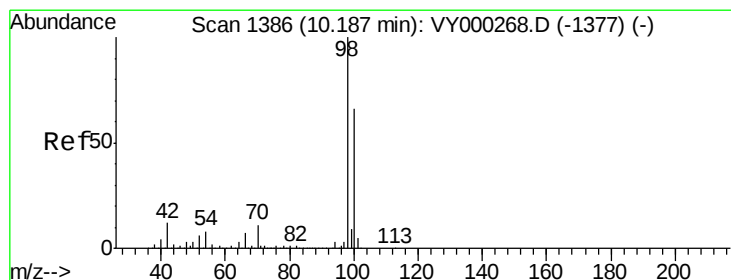
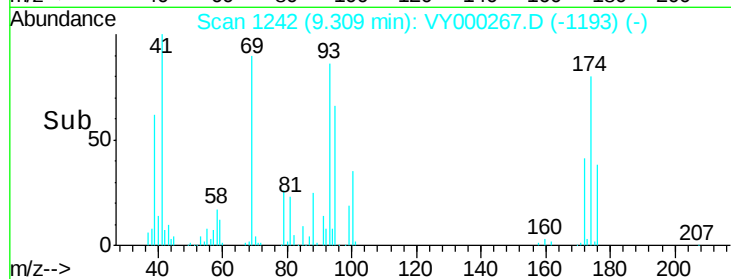
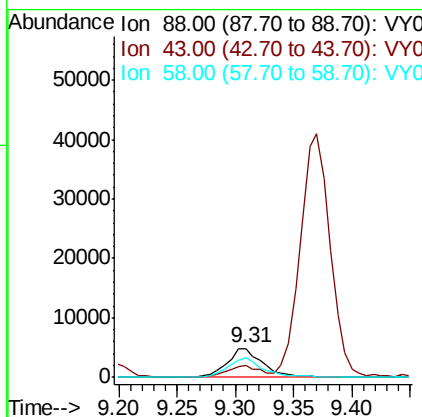
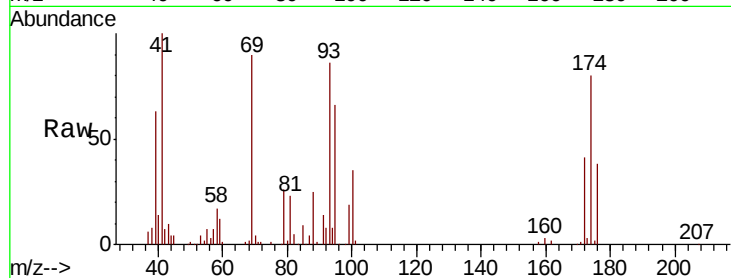
#49
1,4-Dioxane
Concen: 403.442 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.6	25.6	38.4#
58	69.5	54.6	81.8

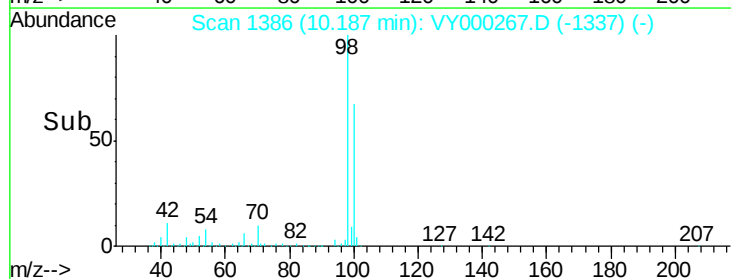
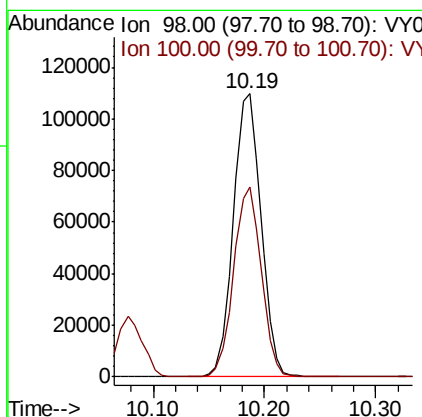
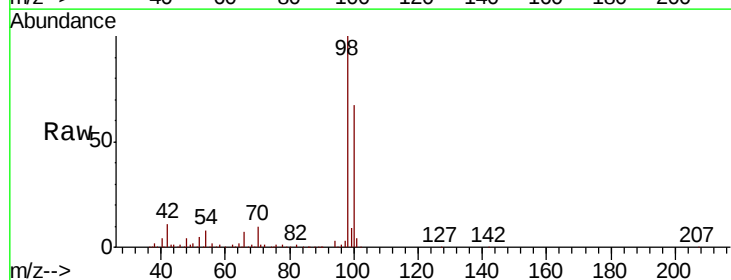
Manual Integrations
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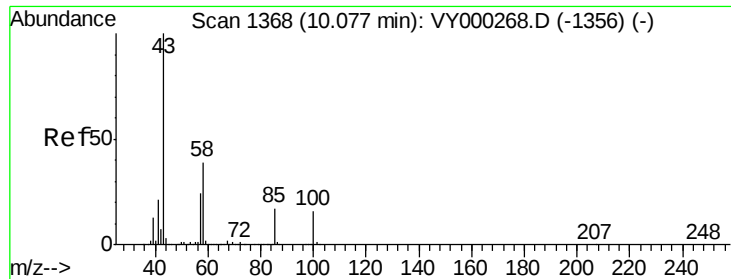
MMDadoda
10/15/2019 12:33:41 PM



#50
Toluene-d8
Concen: 18.546 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 98.458 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 246226

Ion Ratio Lower Upper

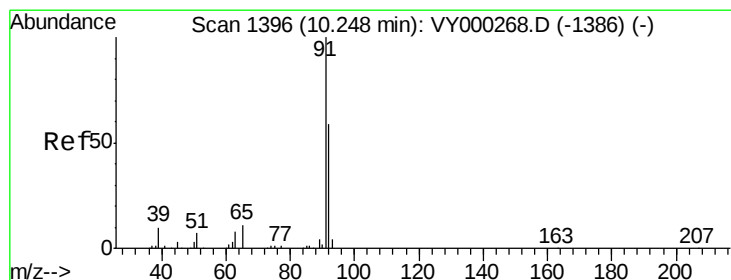
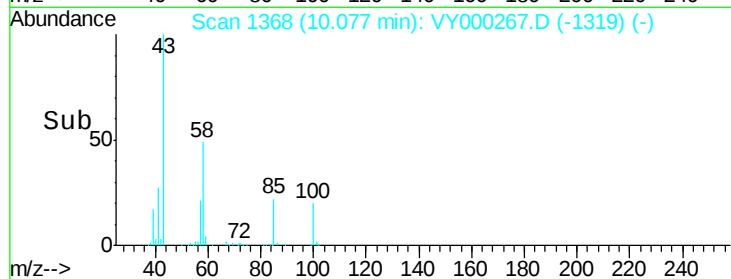
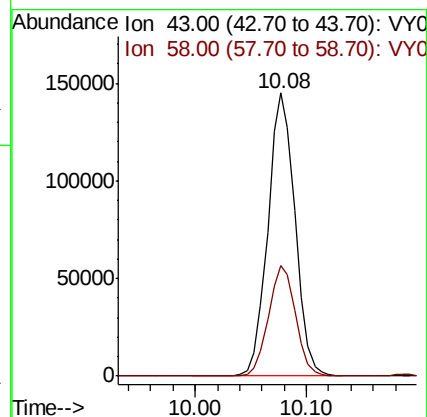
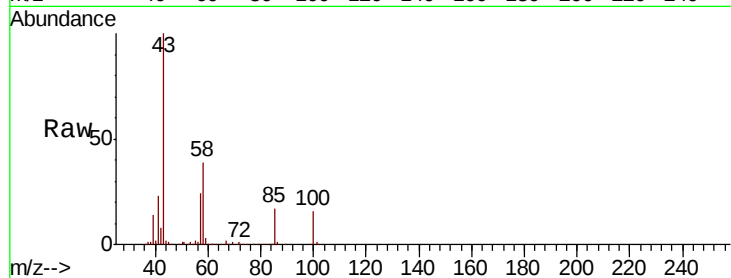
43 100

58 39.1 31.0 46.6

Manual Integrations
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MMDadoda

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#52

Toluene

Concen: 19.790 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000267.D

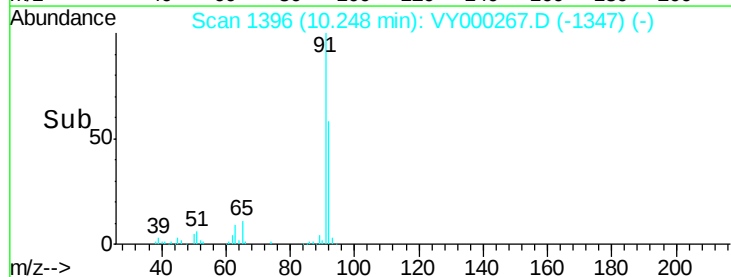
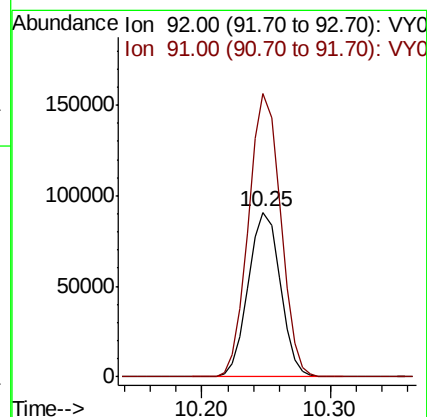
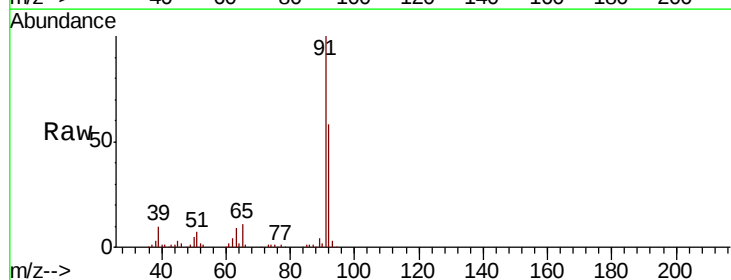
Acq: 11 Oct 2019 13:30

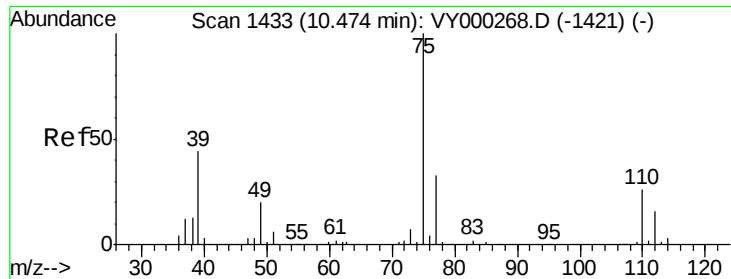
Tgt Ion: 92 Resp: 156372

Ion Ratio Lower Upper

92 100

91 172.2 136.6 205.0





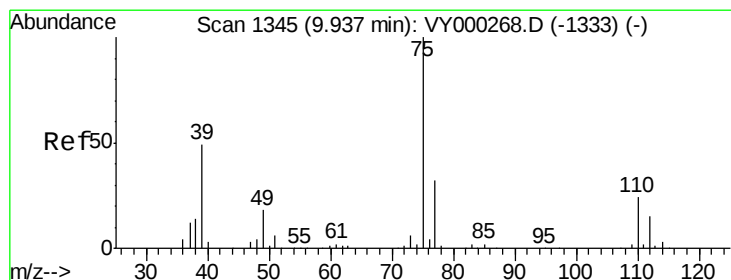
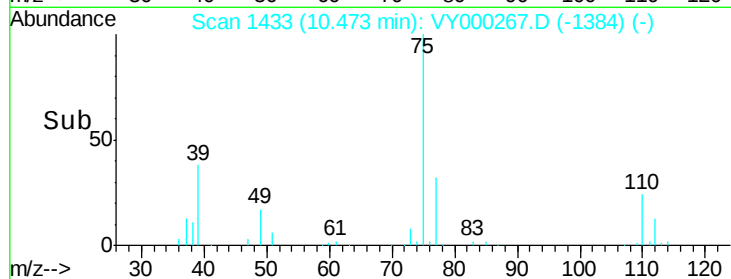
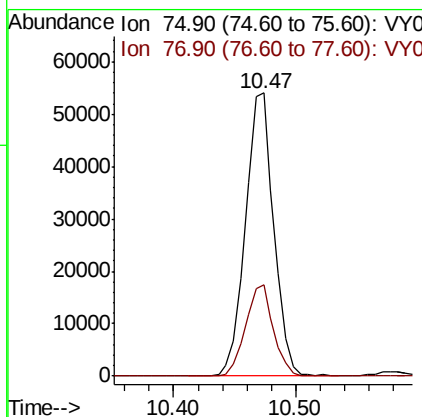
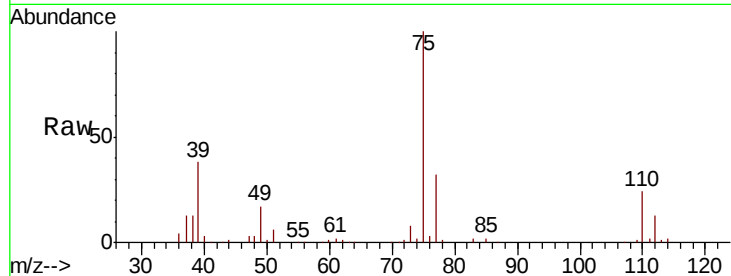
#53
 t-1,3-Dichloropropene
 Concen: 20.150 ug/l
 RT: 10.47 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 75 Resp: 86890
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.0 39.0

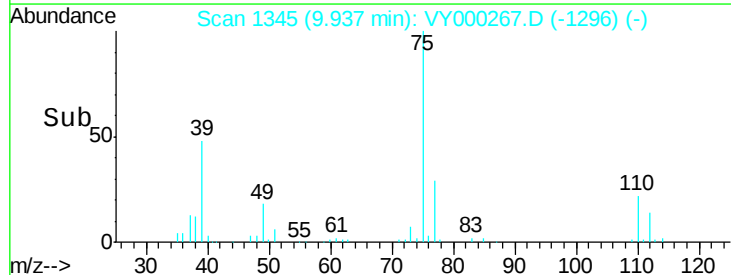
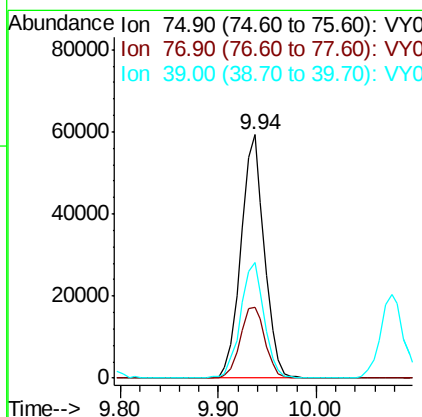
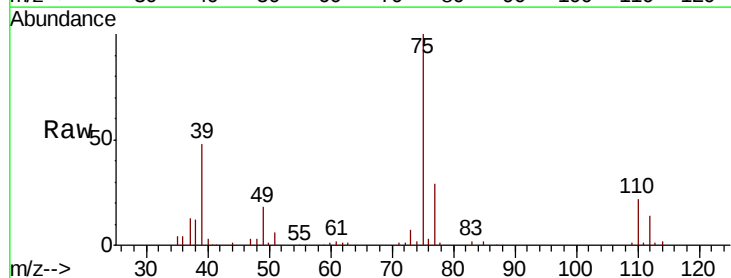
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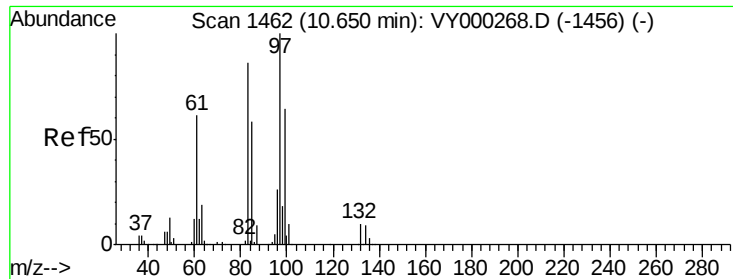
MMDadoda
 10/15/2019 12:33:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.016 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion: 75 Resp: 98021
 Ion Ratio Lower Upper
 75 100
 77 29.1 26.0 39.0
 39 47.6 38.8 58.2





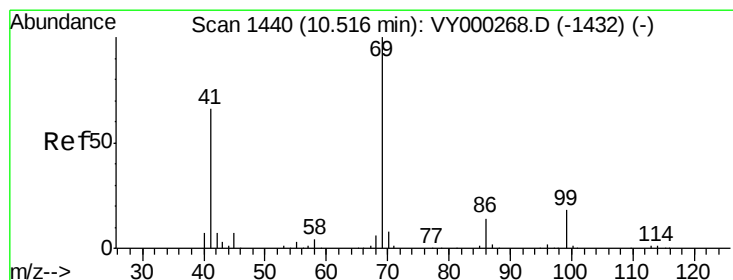
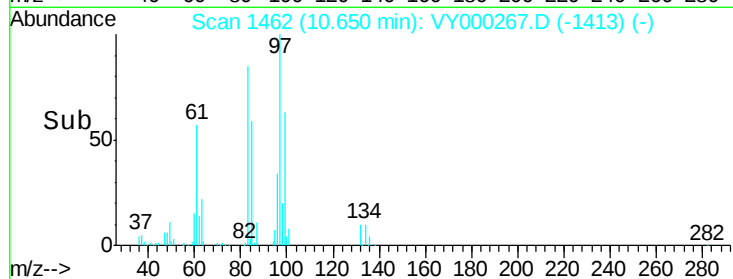
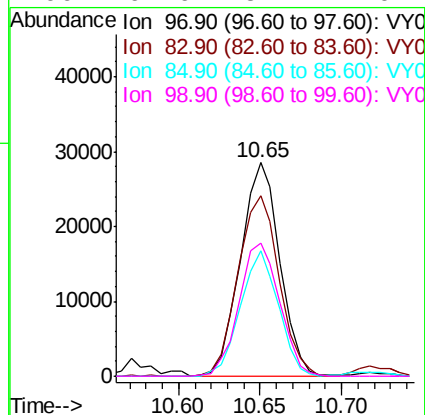
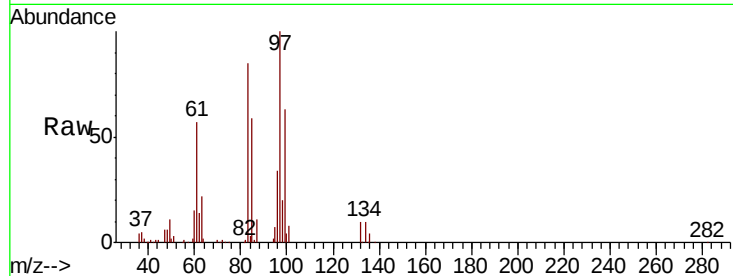
#55
 1,1,2-Trichloroethane
 Concen: 19.316 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	47951
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.0	103.6
85	58.7	46.2	69.4
99	62.6	51.1	76.7

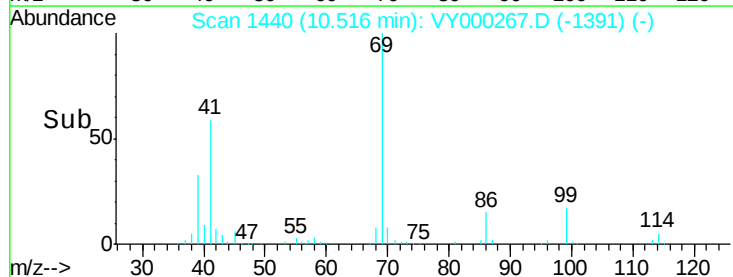
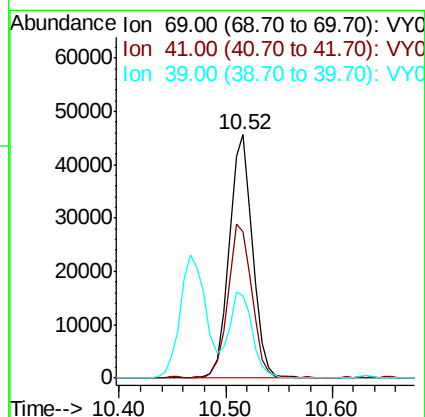
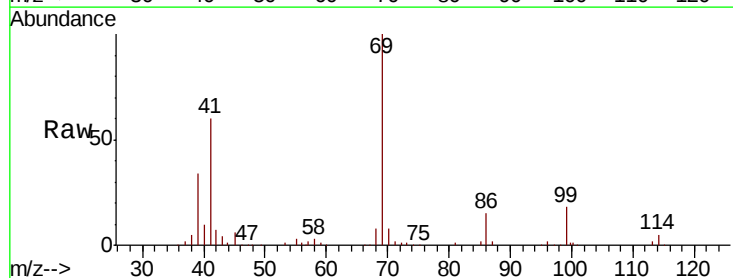
Manual Integrations
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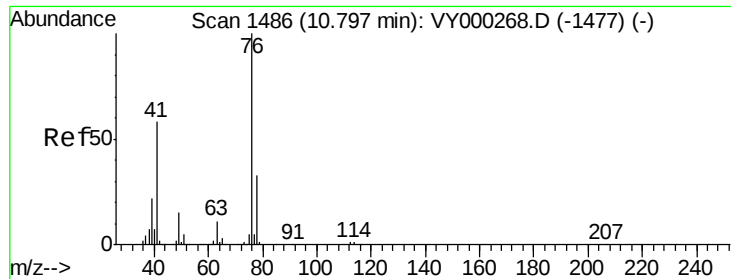
MMDadoda
 10/15/2019 12:33:41 PM



#56
 Ethyl methacrylate
 Concen: 19.823 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion:	69	Resp:	70142
Ion	Ratio	Lower	Upper
69	100		
41	64.4	52.5	78.7
39	35.9	26.7	40.1





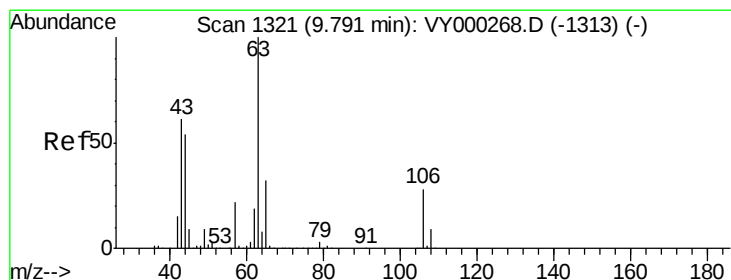
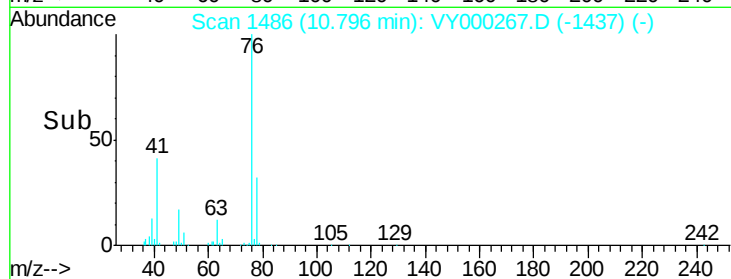
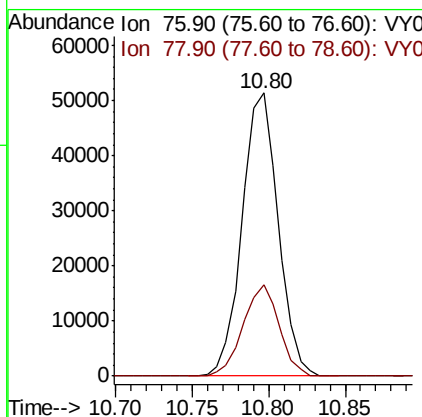
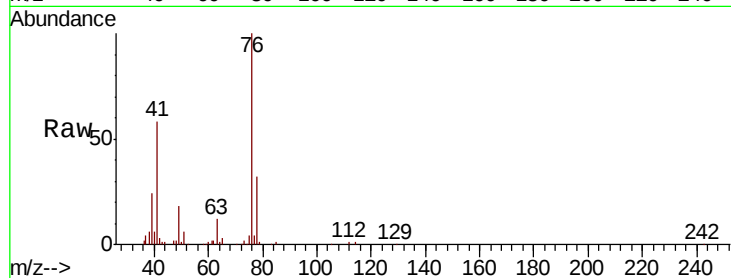
#57
 1,3-Dichloropropane
 Concen: 19.759 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 76 Resp: 84239
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.2

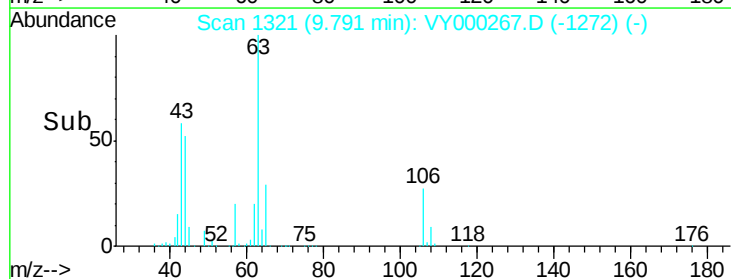
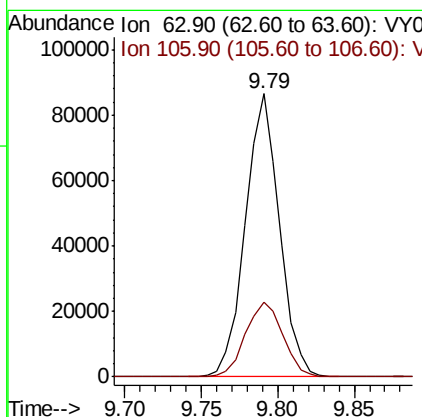
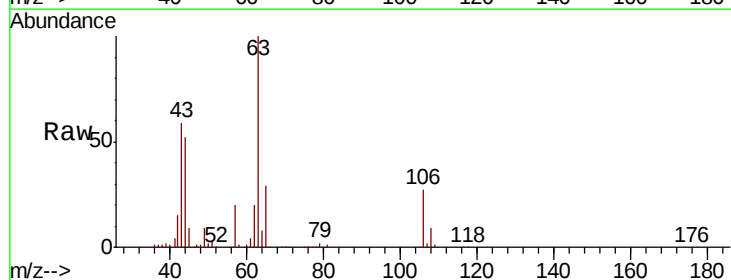
Manual Integrations
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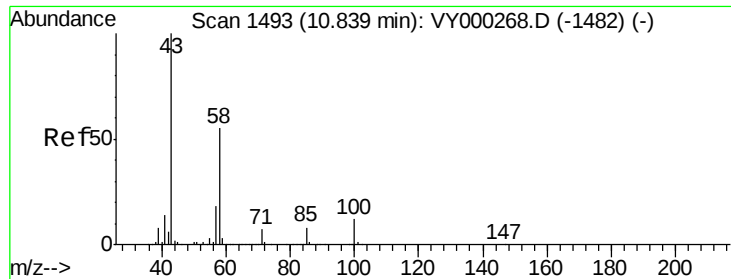
MMDadoda
 10/15/2019 12:33:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.712 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion: 63 Resp: 133672
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.4





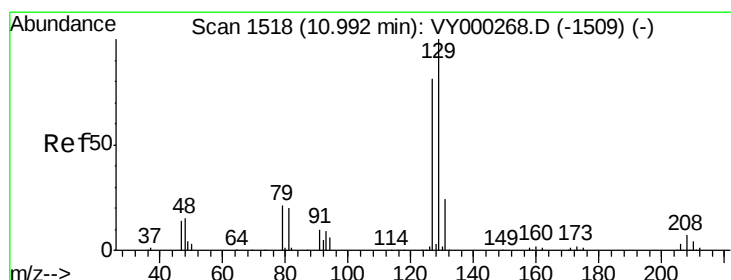
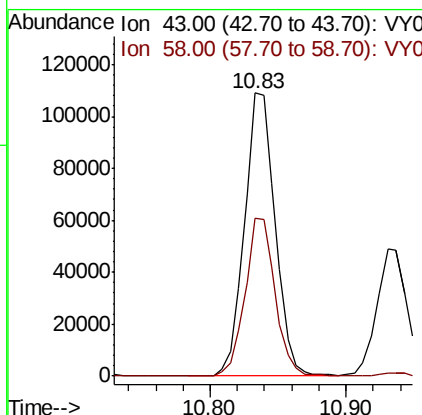
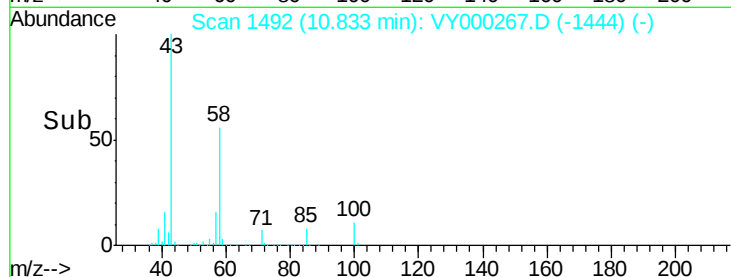
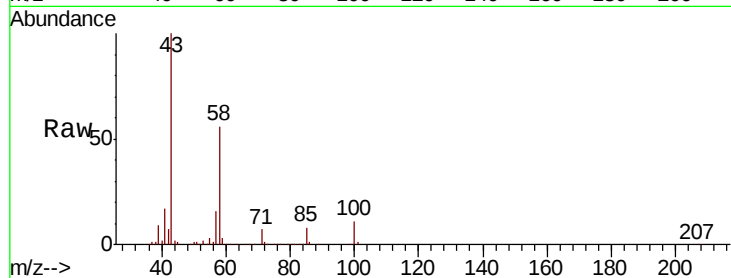
#59
2-Hexanone
Concen: 97.770 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 171622
Ion Ratio Lower Upper
43 100
58 54.8 27.7 83.1

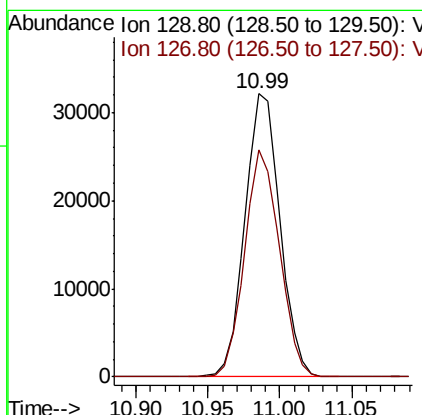
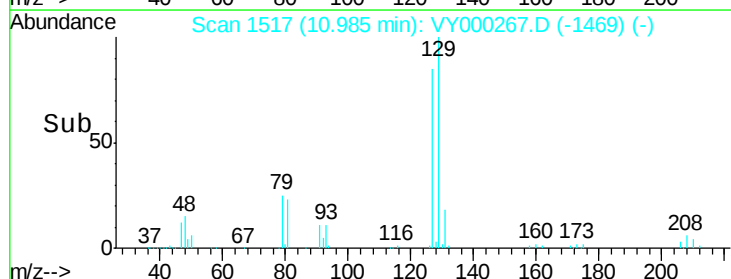
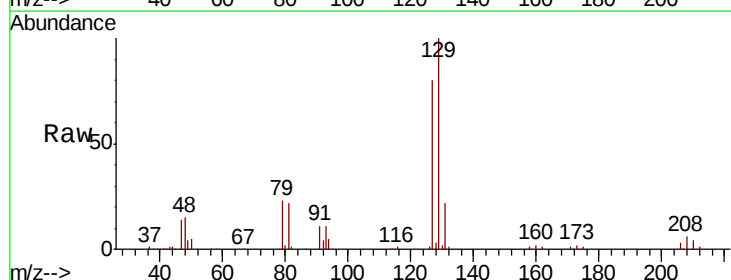
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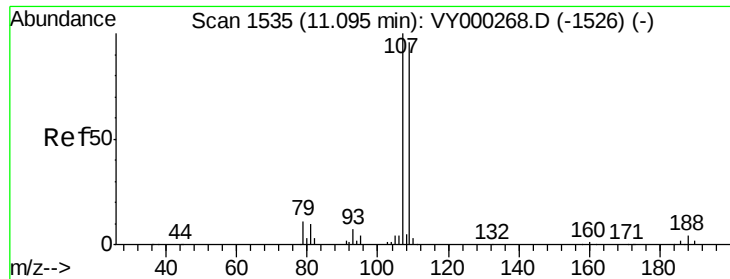
MMDadoda
10/15/2019 12:33:41 PM



#60
Dibromochloromethane
Concen: 19.648 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion: 129 Resp: 54060
Ion Ratio Lower Upper
129 100
127 79.5 39.9 119.7





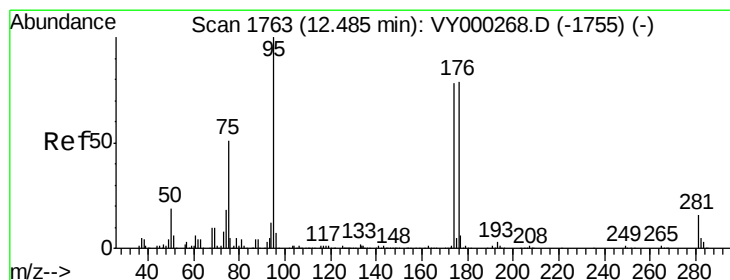
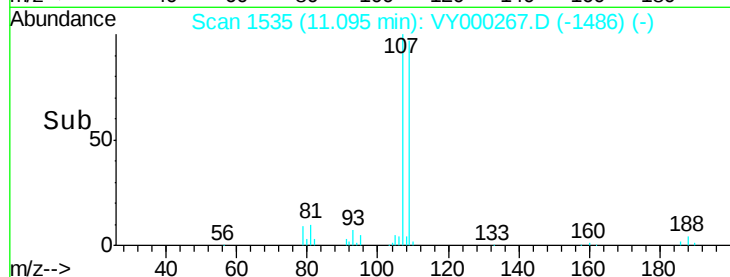
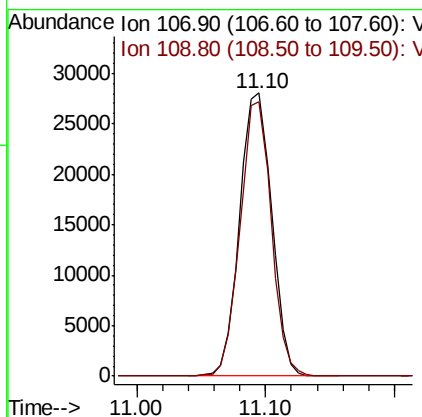
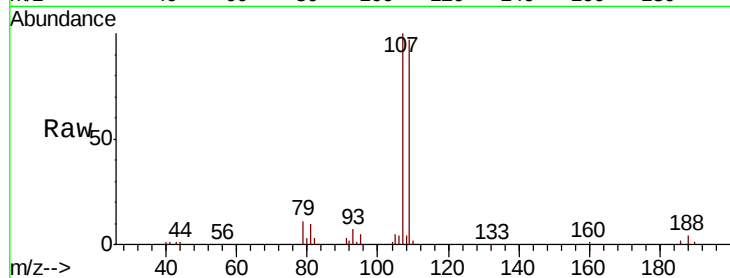
#61
 1,2-Dibromoethane
 Concen: 20.300 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.1	112.7

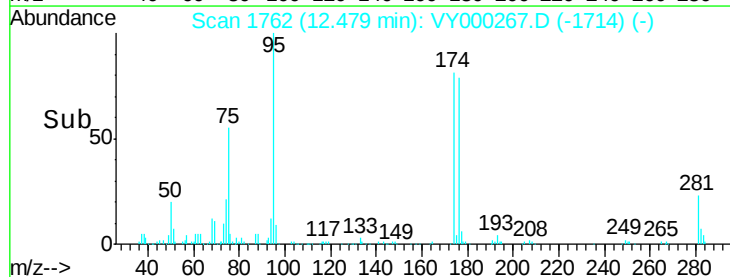
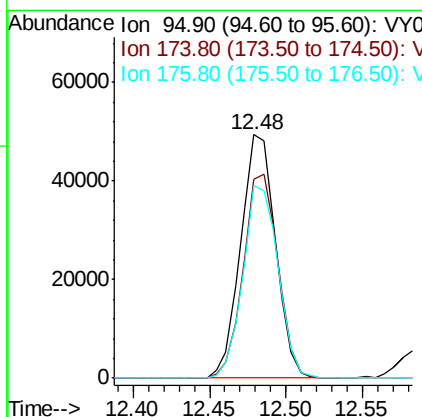
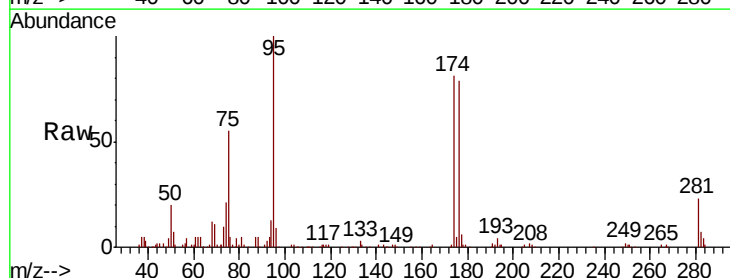
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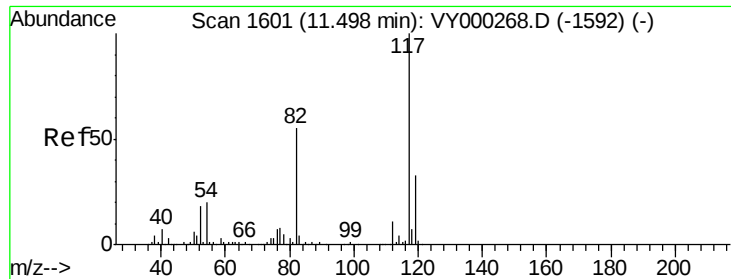
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 10/15/2019 12:33:41 PM



#62
 4-Bromofluorobenzene
 Concen: 20.119 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.5	0.0	159.6
176	80.3	0.0	153.8





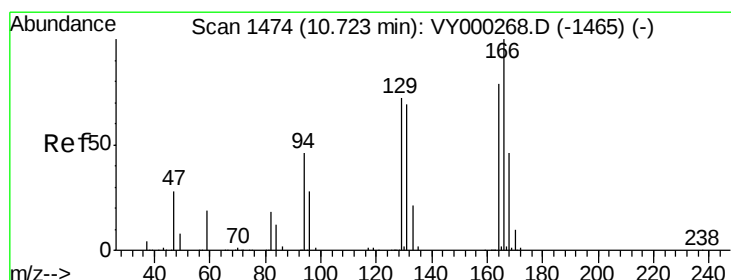
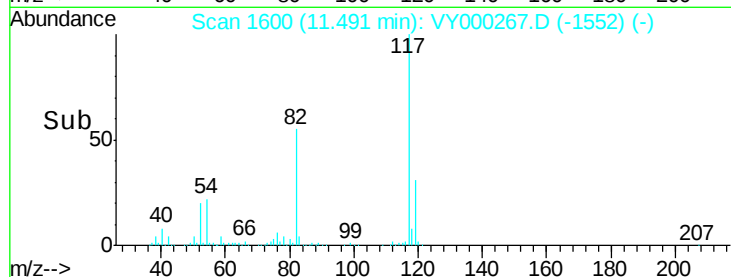
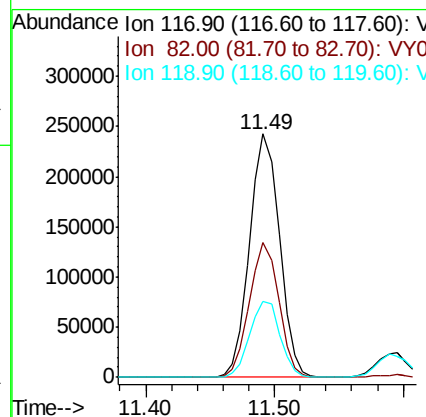
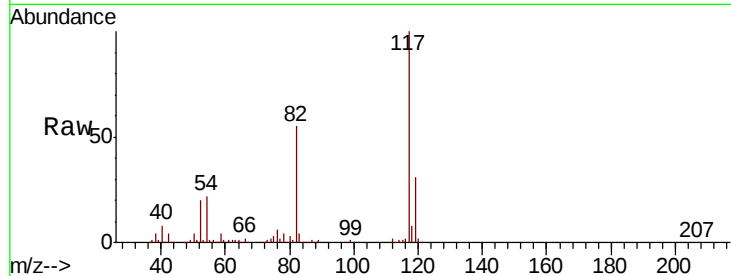
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	389271		
82	55.4		43.7	65.5
119	31.4		26.6	39.8

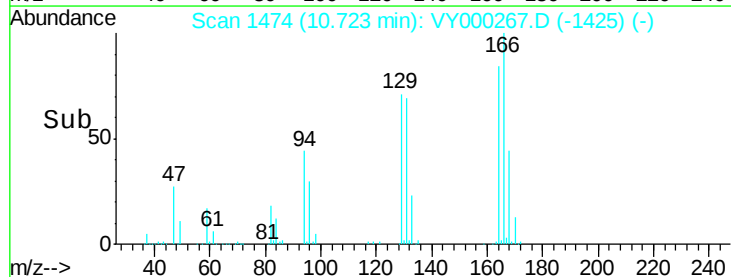
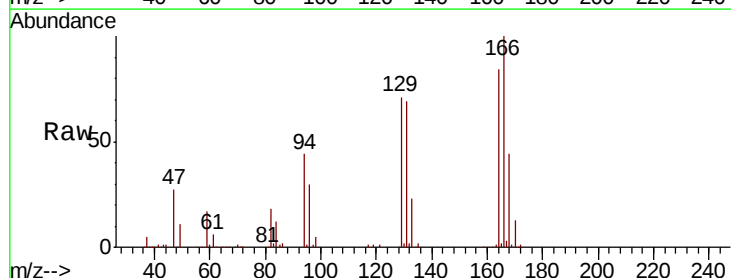
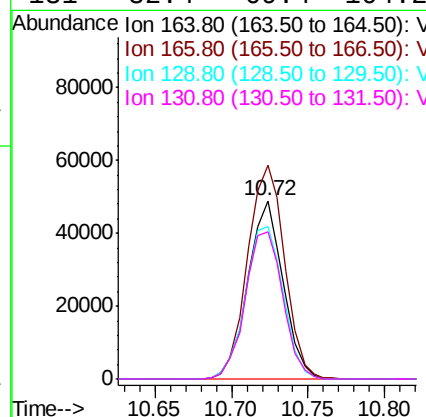
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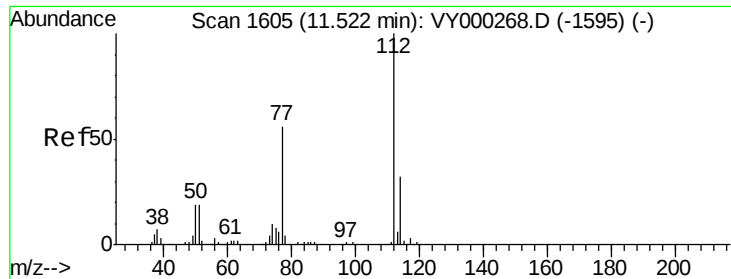
MMDadoda
10/15/2019 12:33:41 PM



#64
Tetrachloroethene
Concen: 21.126 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	78290		
166	119.8		100.6	151.0
129	85.3		72.8	109.2
131	82.4		69.4	104.2





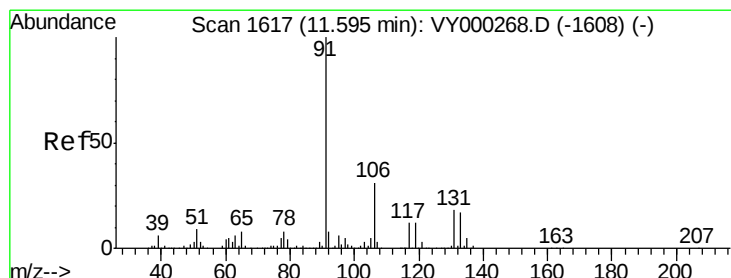
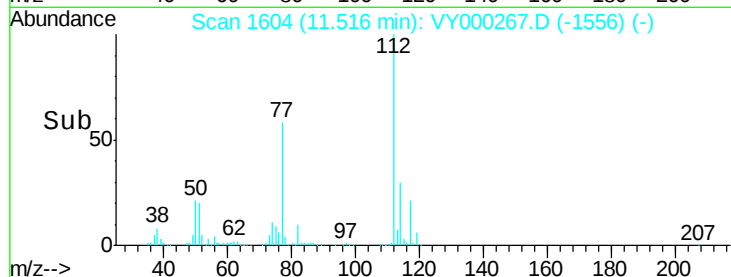
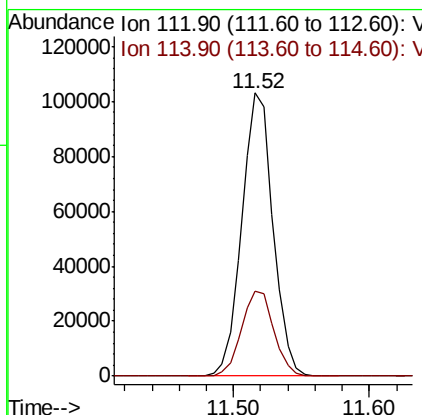
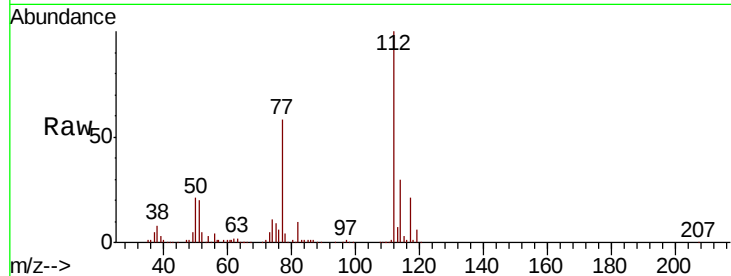
#65
Chlorobenzene
Concen: 20.022 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 164488
Ion Ratio Lower Upper
112 100
114 30.0 25.7 38.5

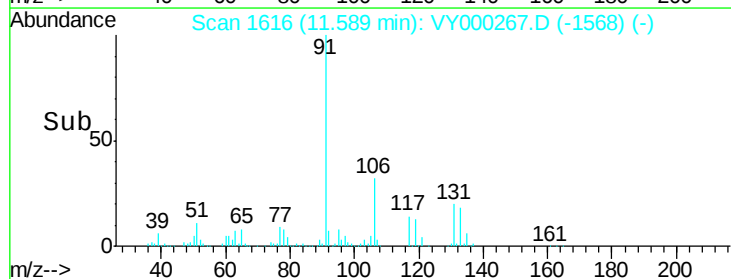
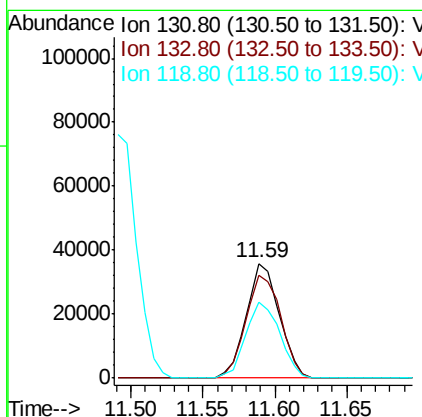
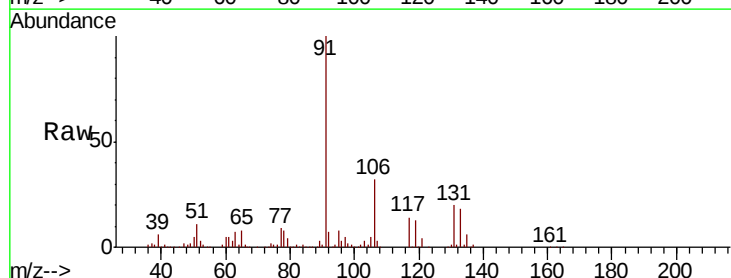
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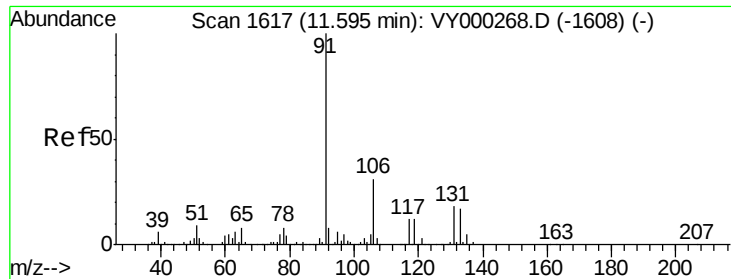
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.746 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion:131 Resp: 56984
Ion Ratio Lower Upper
131 100
133 95.2 47.2 141.6
119 68.5 32.6 98.0





#67

Ethyl Benzene

Concen: 19.872 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 302645

Ion Ratio Lower Upper

91 100

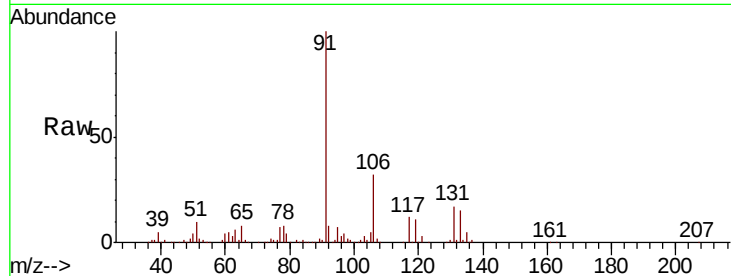
106 31.7 25.0 37.6

Manual Integrations

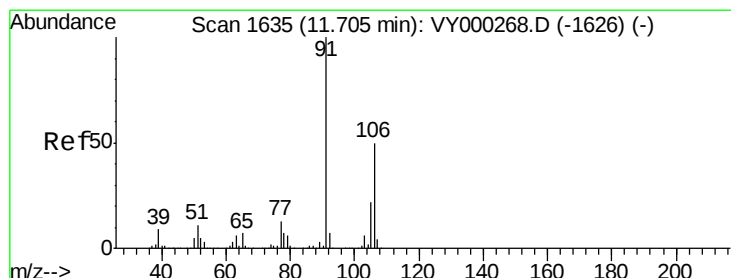
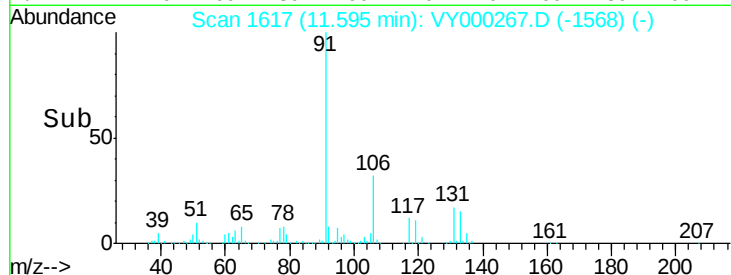
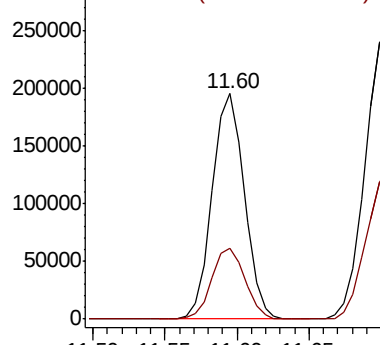
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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1608) (-)



#68

m/p-Xylenes

Concen: 39.893 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000267.D

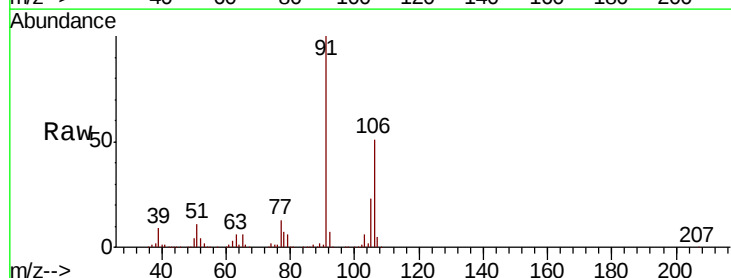
Acq: 11 Oct 2019 13:30

Tgt Ion: 106 Resp: 232255

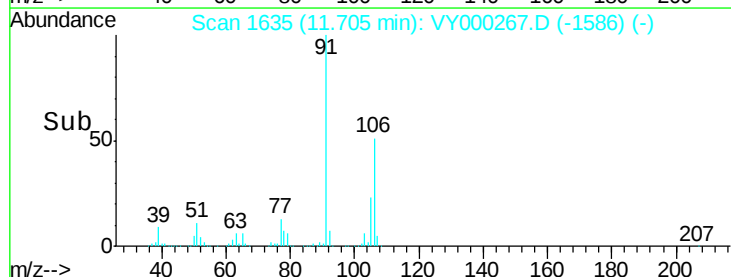
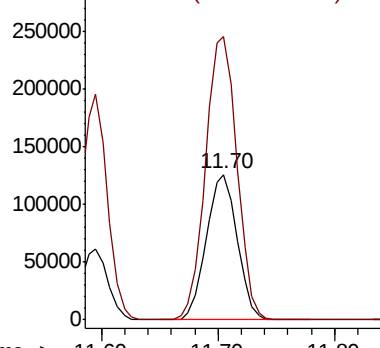
Ion Ratio Lower Upper

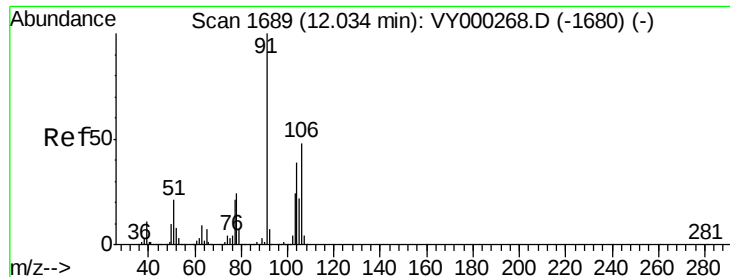
106 100

91 198.2 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000268.D (-1626) (-)





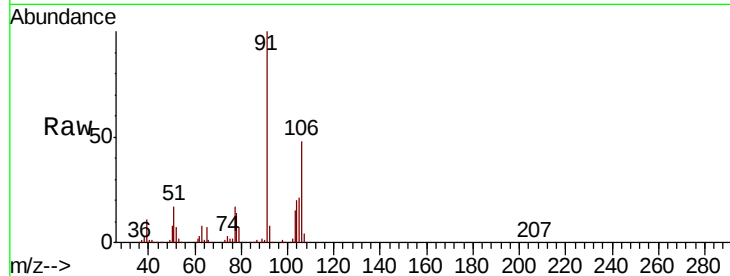
#69
o-Xylene
Concen: 19.797 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

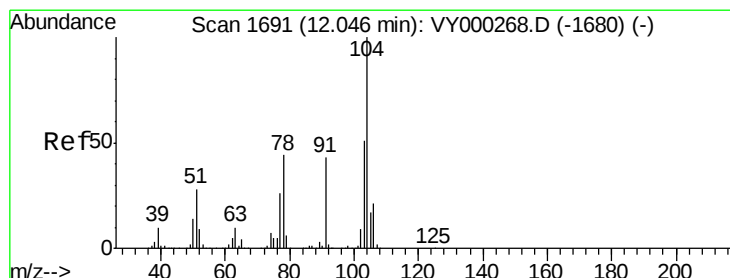
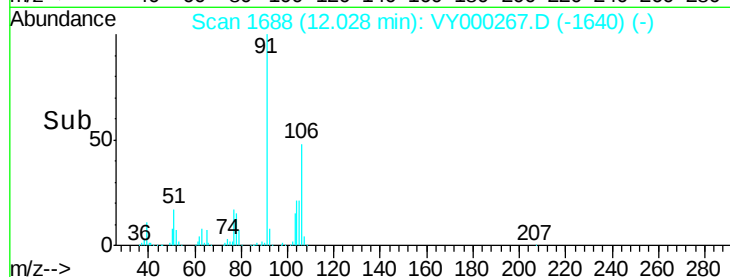
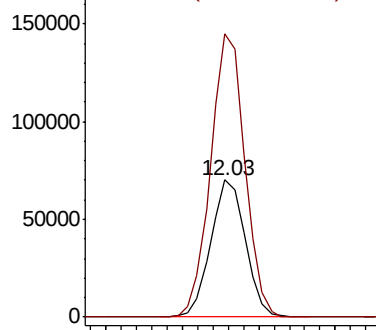
Tot Ion:106 Resp: 109954
Ion Ratio Lower Upper
106 100
91 205.0 104.7 313.9

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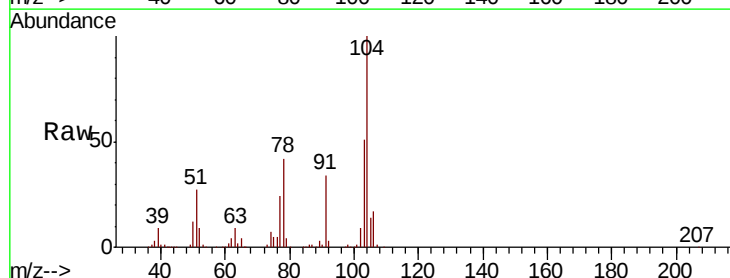


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

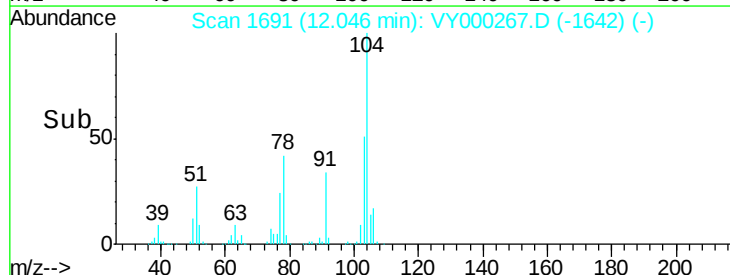
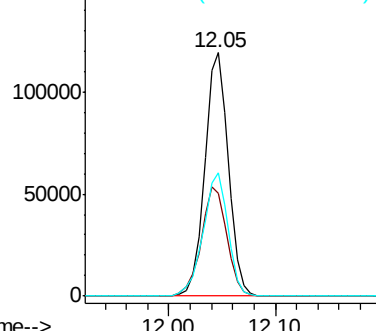


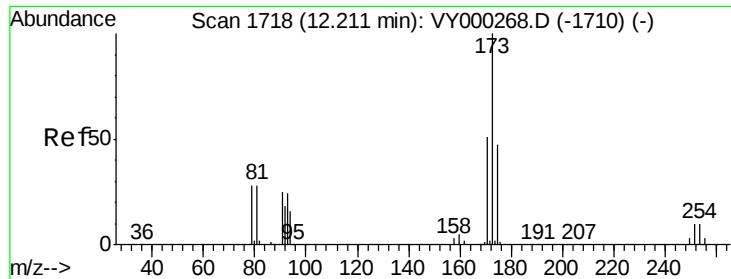
#70
Styrene
Concen: 19.683 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion:104 Resp: 184364
Ion Ratio Lower Upper
104 100
78 48.8 39.0 58.6
103 53.4 43.1 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.978 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 33144

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.6

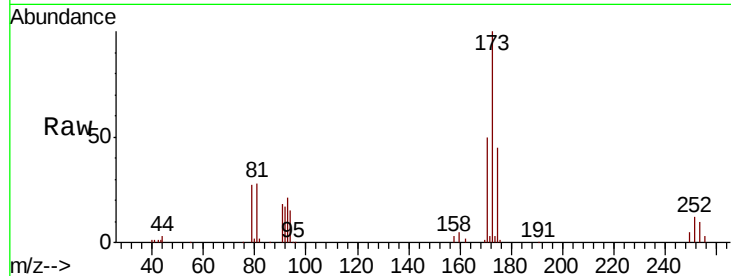
254 0.0 0.1 0.1#

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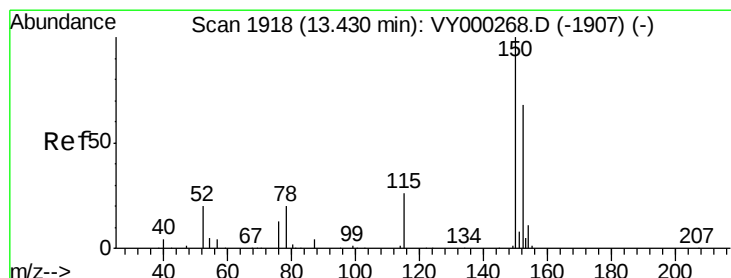
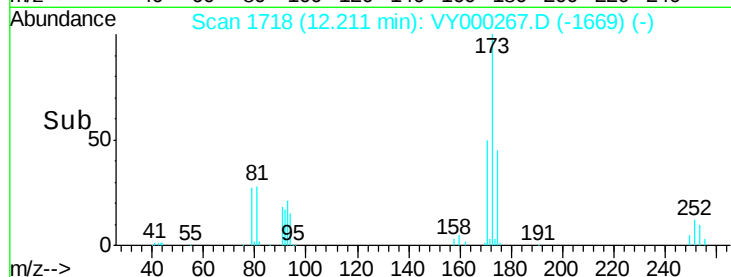
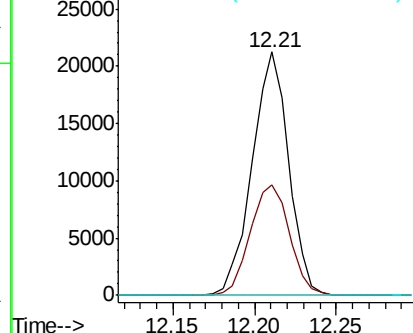
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

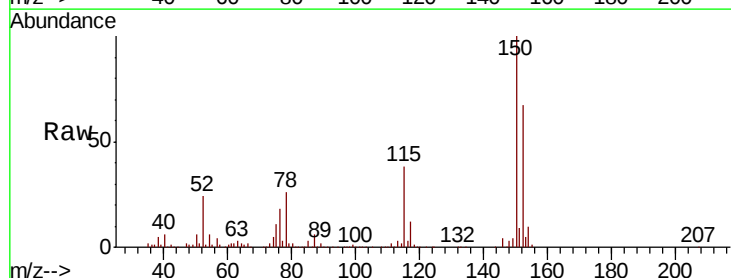
Tgt Ion:152 Resp: 189592

Ion Ratio Lower Upper

152 100

115 58.7 29.3 88.0

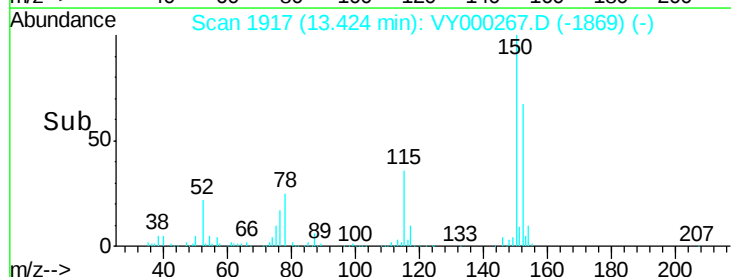
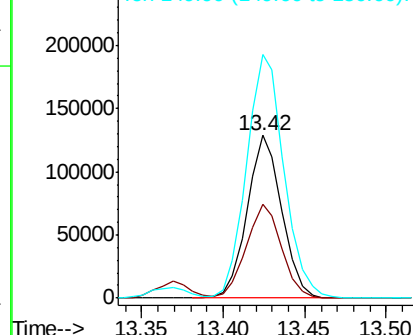
150 162.3 0.0 348.4

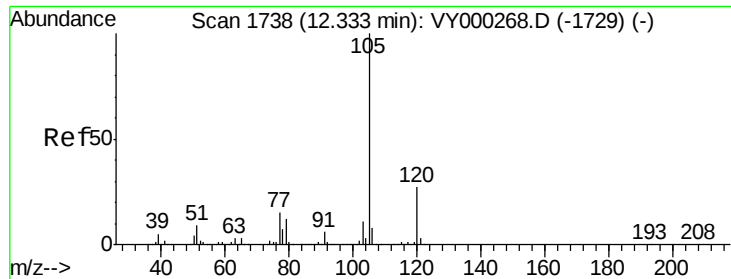


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.067 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 296650

Ion Ratio Lower Upper

105 100

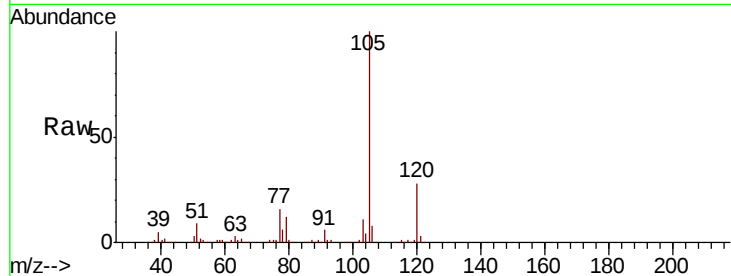
120 27.2 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.33

200000

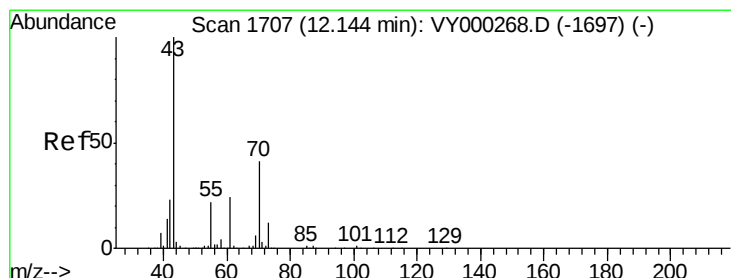
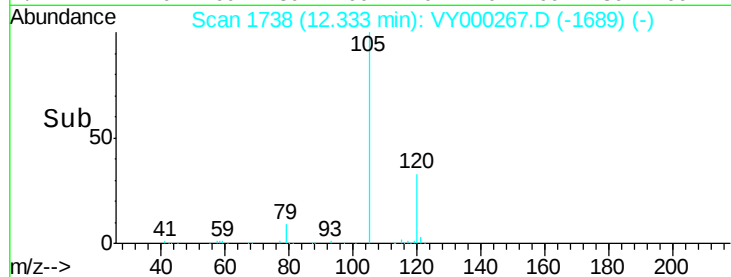
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 18.912 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion: 43 Resp: 68637

Ion Ratio Lower Upper

43 100

70 43.0 32.9 49.3

55 22.3 17.8 26.6

61 24.6 19.5 29.3

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

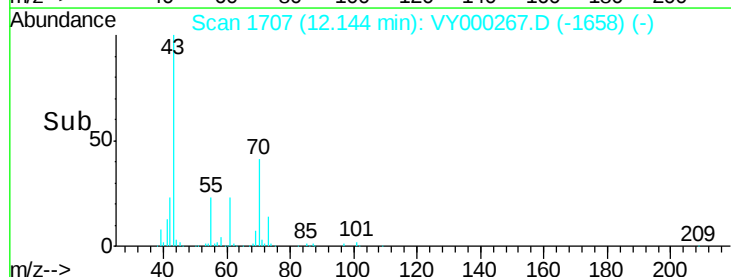
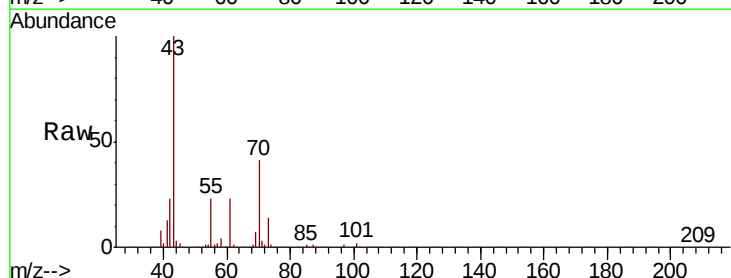
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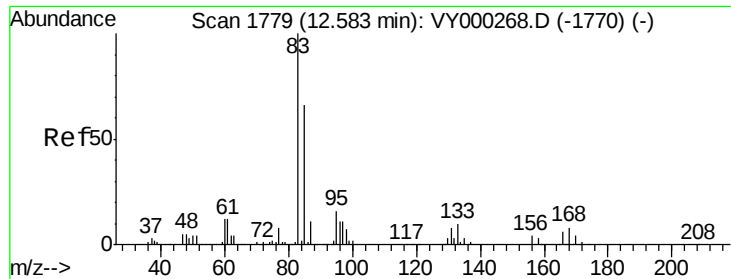
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.328 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

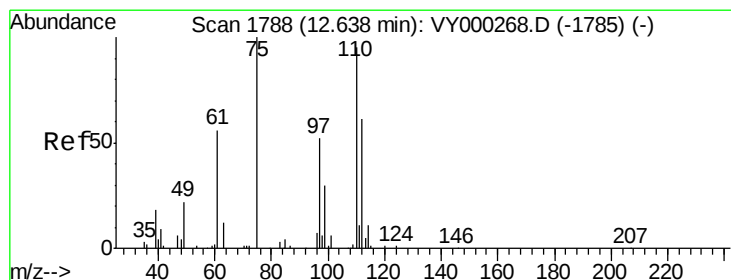
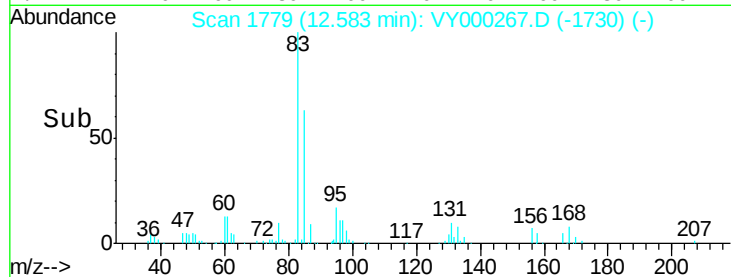
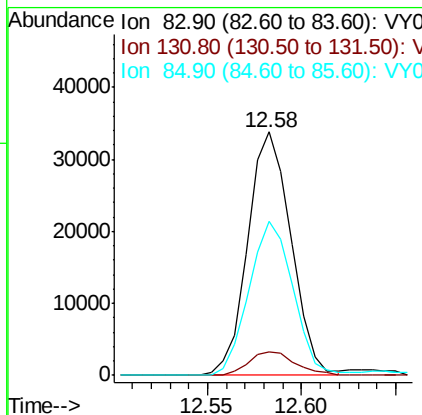
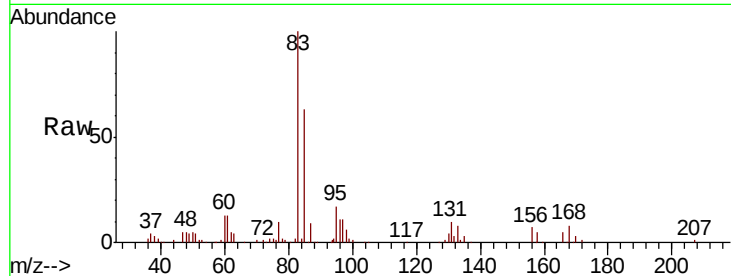
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53647
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	16.1
85	65.1	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 12.015 ug/l m

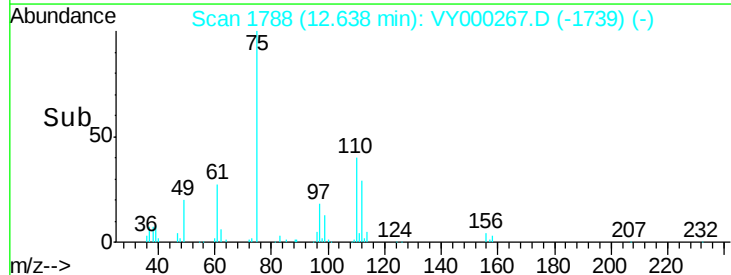
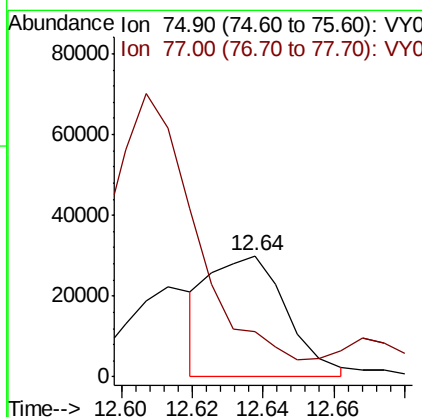
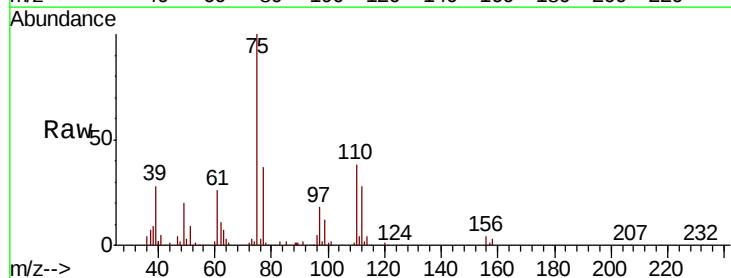
RT: 12.64 min Scan# 1788

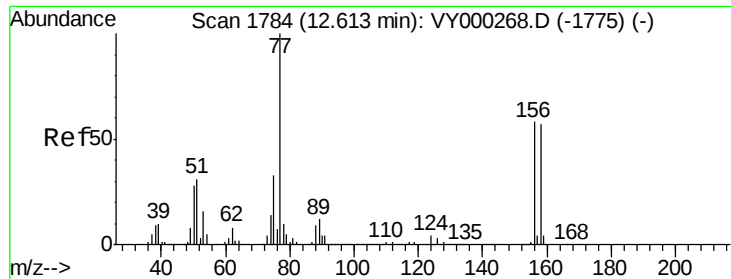
Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion:	75	Resp:	45539
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.233 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

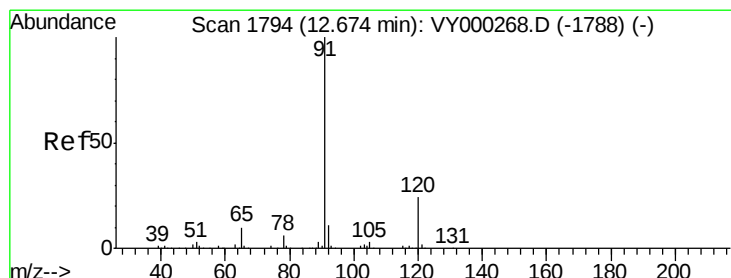
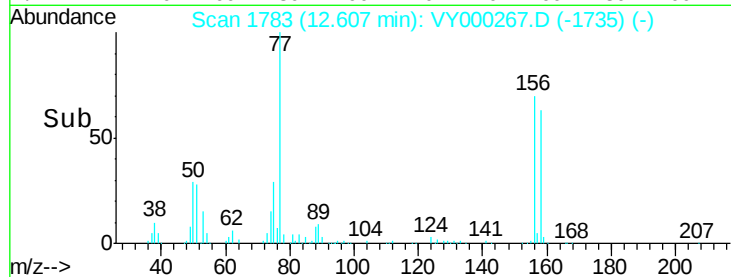
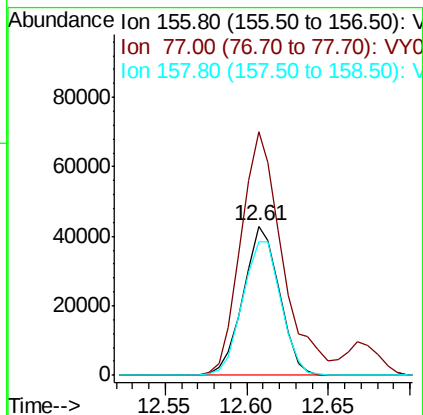
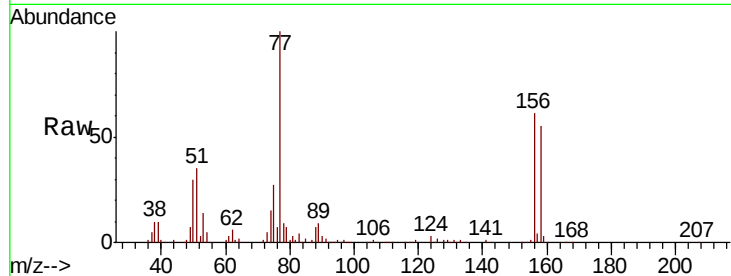
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	186.8	101.0	302.9	
158	95.1	49.7	149.1	

Manual Integrations
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#78

n-propylbenzene

Concen: 19.861 ug/l

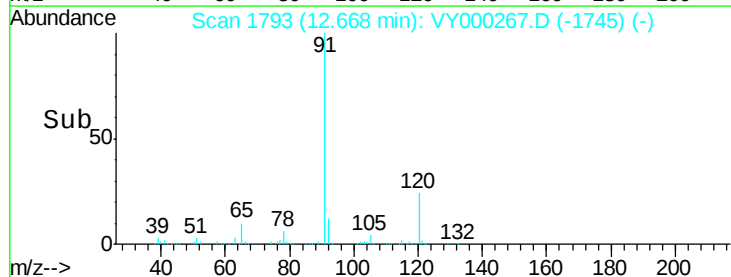
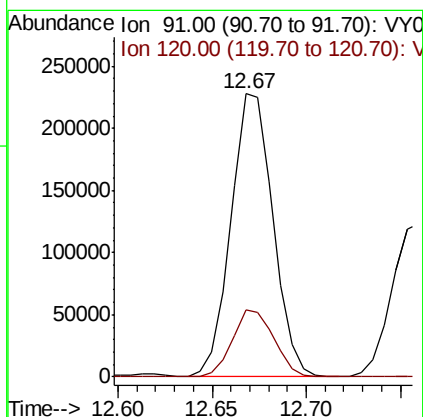
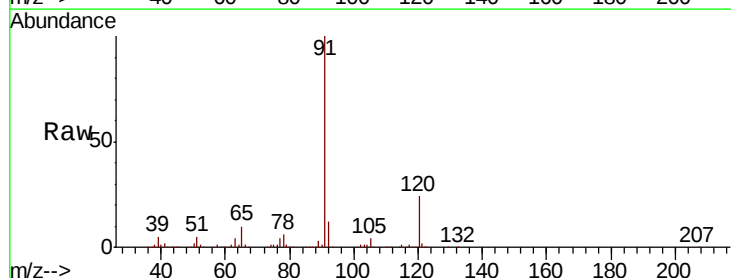
RT: 12.67 min Scan# 1793

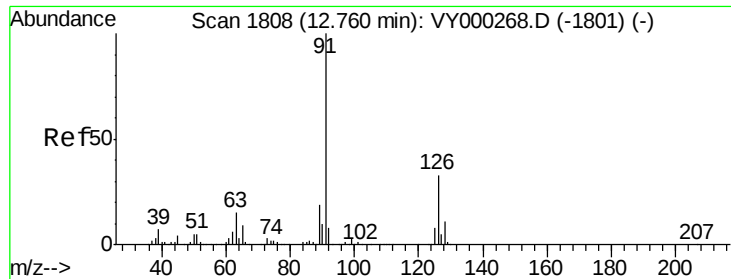
Delta R.T. -0.01 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.5	34.5	





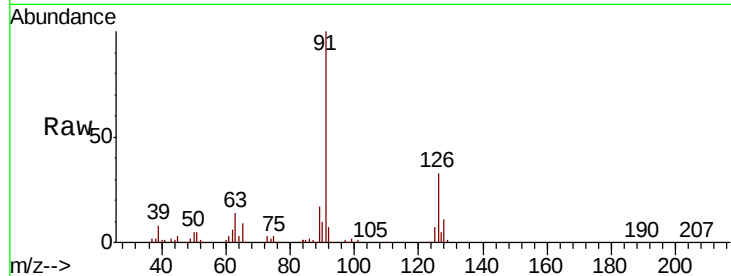
#79
2-Chlorotoluene
Concen: 19.827 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

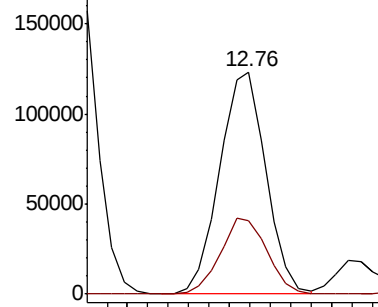
Tot Ion: 91 Resp: 194350
Ion Ratio Lower Upper
91 100
126 34.4 17.1 51.3

Manual Integrations
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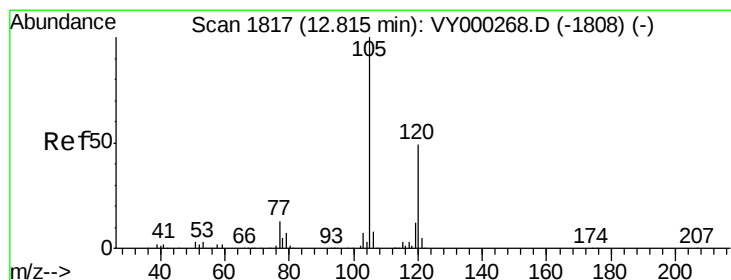
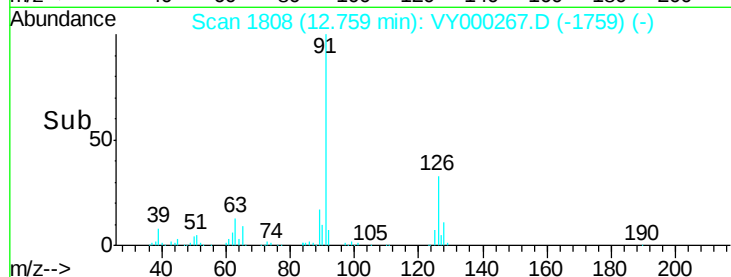
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)
Ion 125.90 (125.60 to 126.60): VY000268.D (-1801) (-)

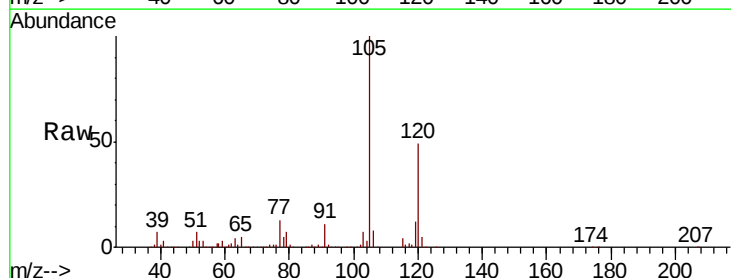


Time-->

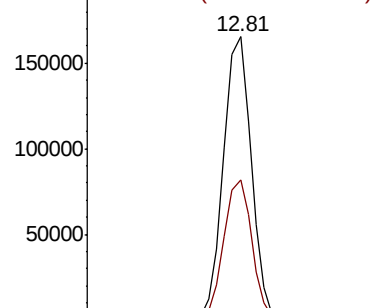


#80
1,3,5-Trimethylbenzene
Concen: 19.912 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

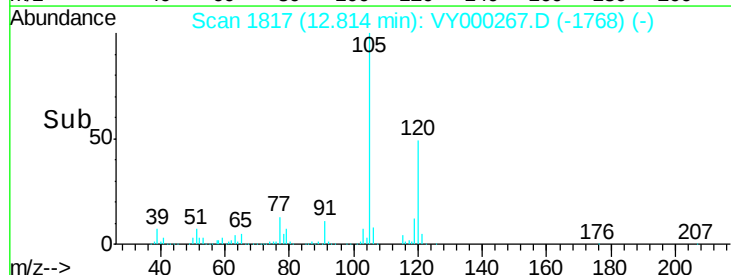
Tgt Ion: 105 Resp: 246831
Ion Ratio Lower Upper
105 100
120 49.7 24.9 74.8

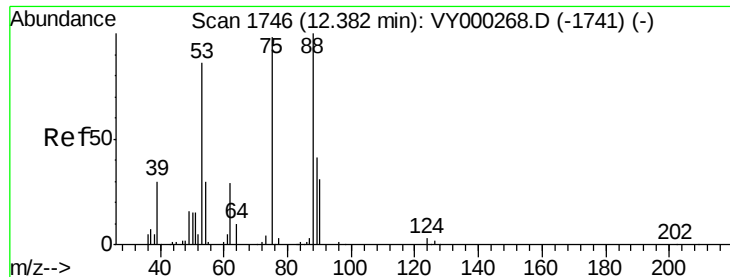


Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)
Ion 120.00 (119.70 to 120.70): VY000268.D (-1808) (-)



Time-->





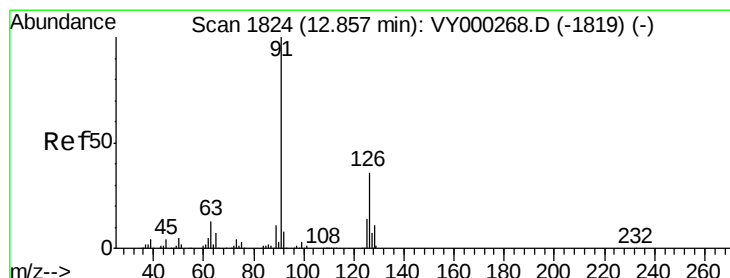
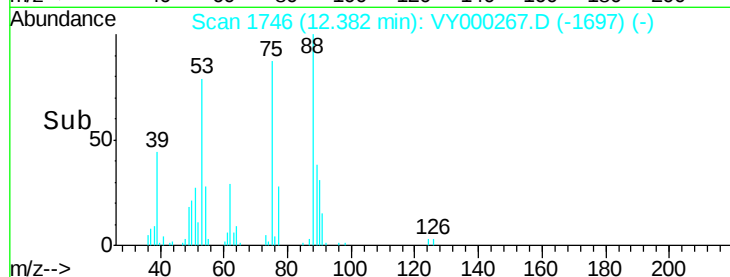
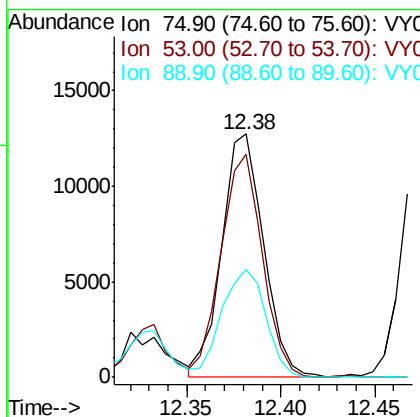
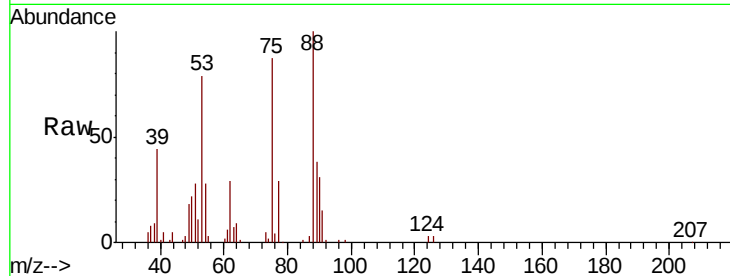
#81
trans-1,4-Dichloro-2-butene
Concen: 18.443 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	71.3	106.9
89	46.6	35.1	52.7

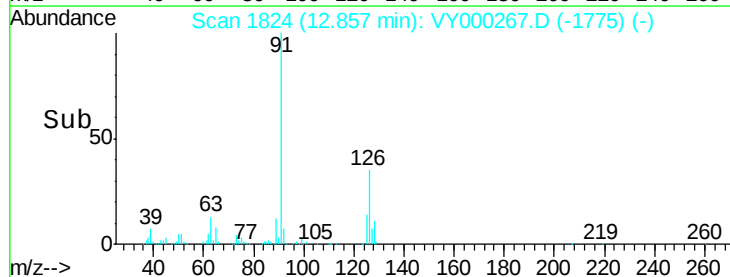
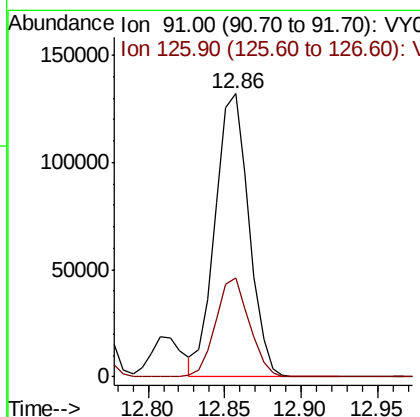
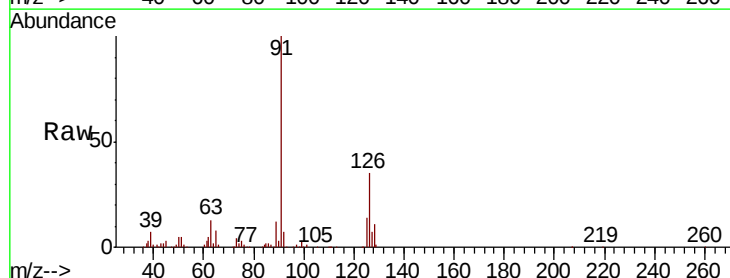
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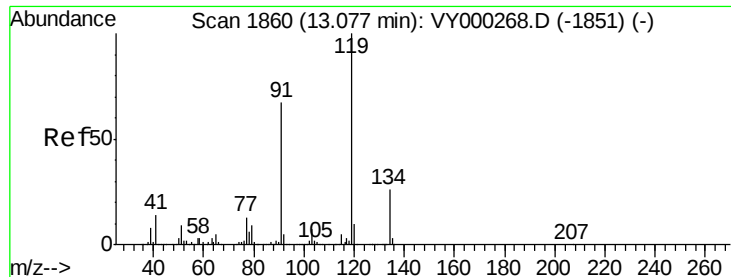
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#82
4-Chlorotoluene
Concen: 19.511 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.2	51.5





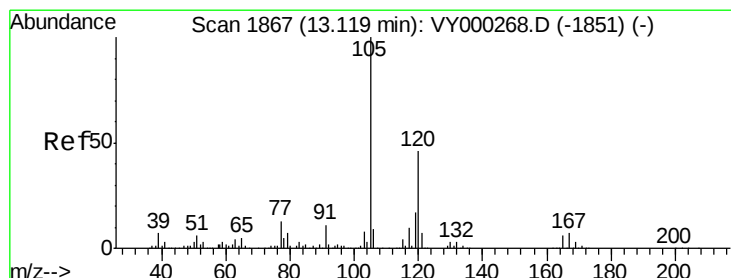
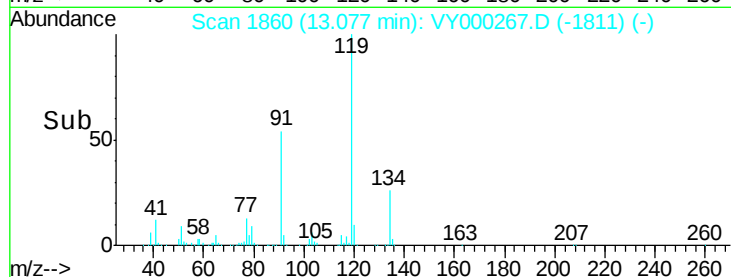
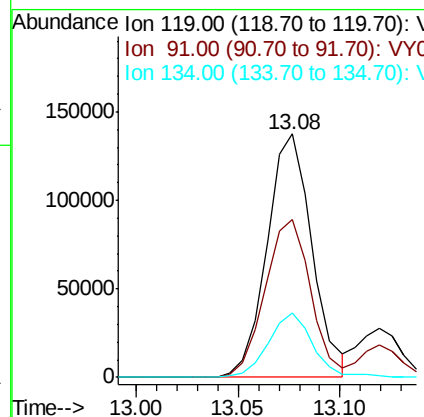
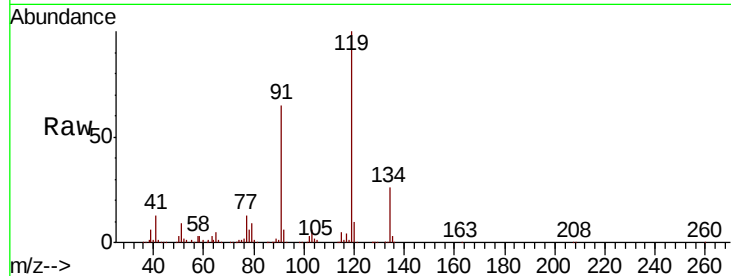
#83
 tert-Butylbenzene
 Concen: 20.118 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	211185		
91	65.9	32.9	98.7	
134	26.6	13.3	39.8	

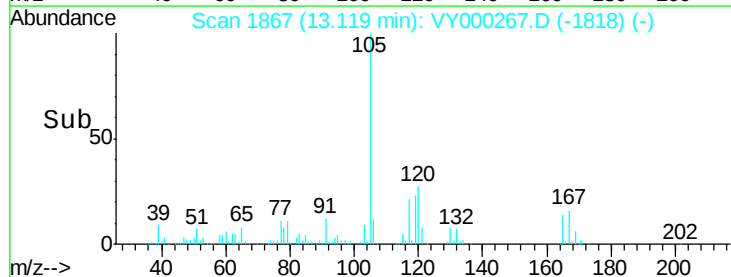
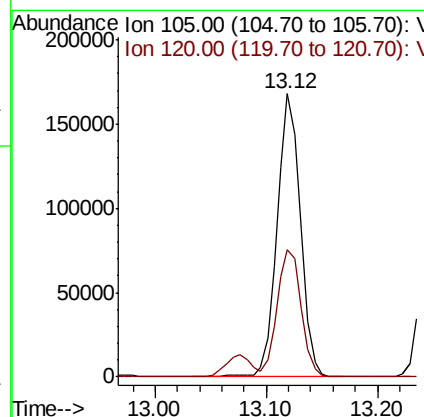
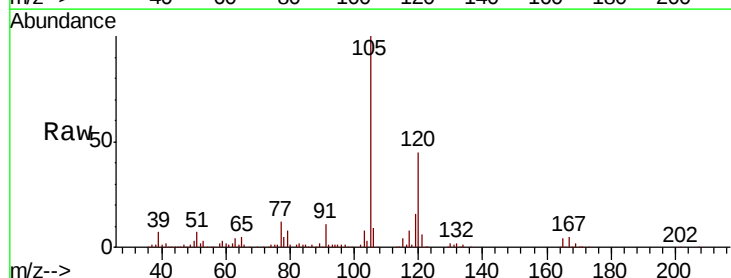
Manual Integrations
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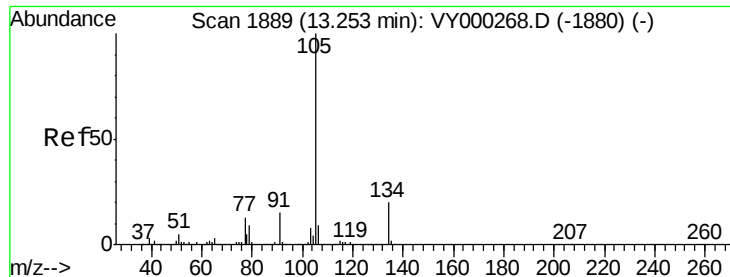
MMDadoda
 10/15/2019 12:33:41 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.919 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243699		
120	46.3	22.9	68.8	





#85

sec-Butylbenzene

Concen: 19.749 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 299914

Ion Ratio Lower Upper

105 100

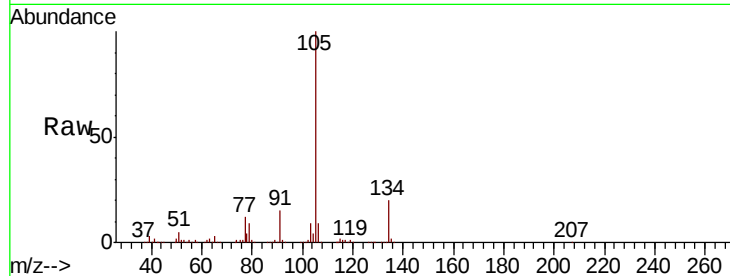
134 20.2 10.1 30.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

200000

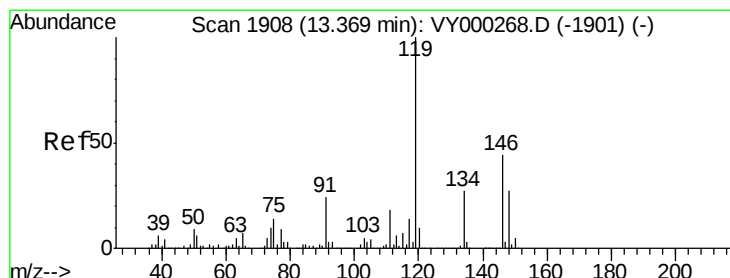
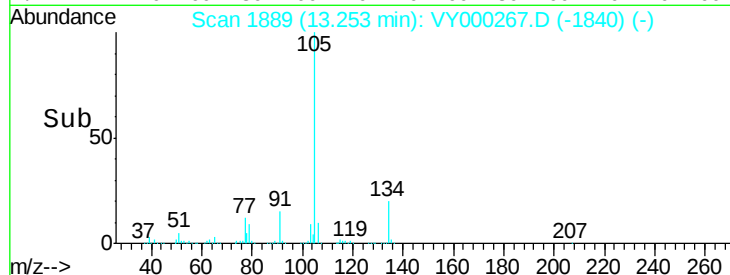
150000

100000

50000

0

Time--> 13.15 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 20.123 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

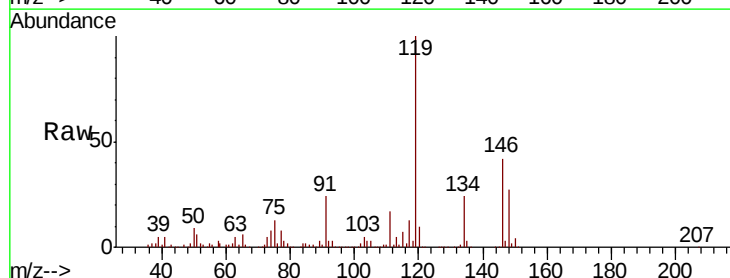
Tgt Ion:119 Resp: 266419

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

91 24.4 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

250000

200000

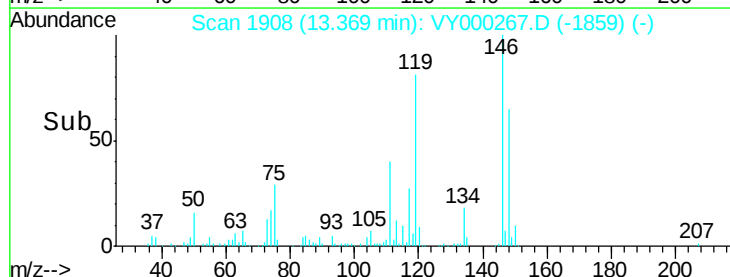
150000

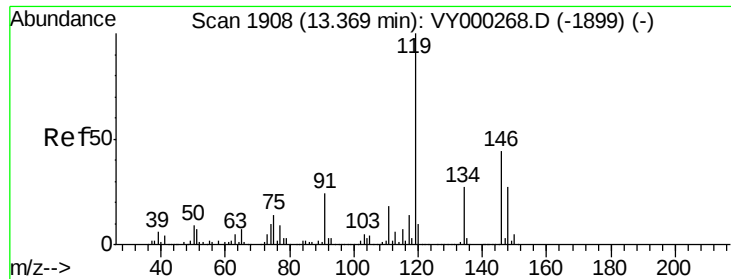
100000

50000

0

Time--> 13.30 13.40





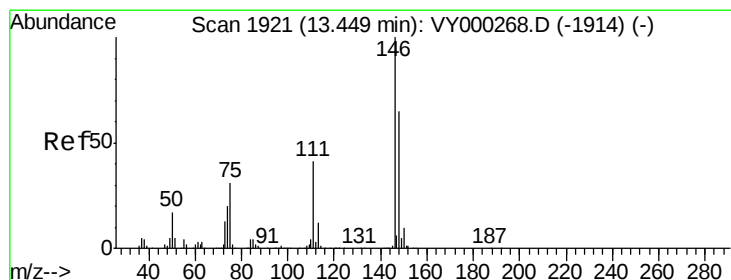
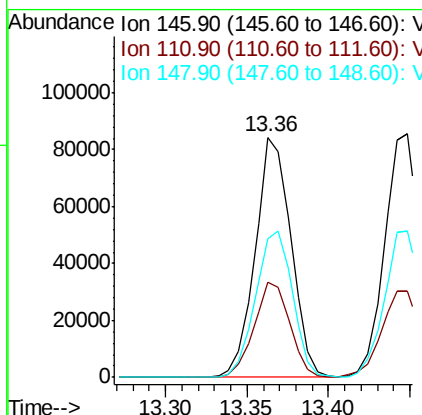
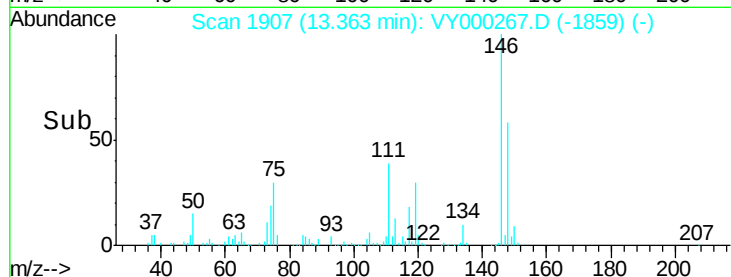
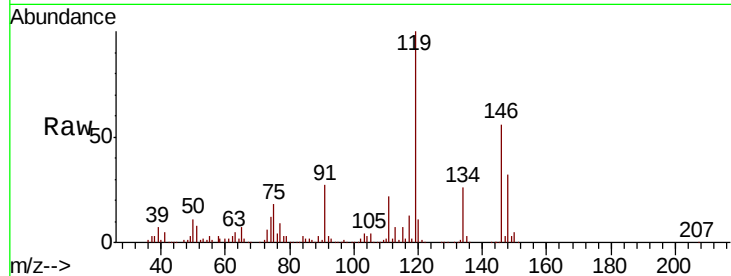
#87
 1,3-Dichlorobenzene
 Concen: 19.874 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	128811		
111	39.5	20.6	61.8	
148	63.0	31.9	95.5	

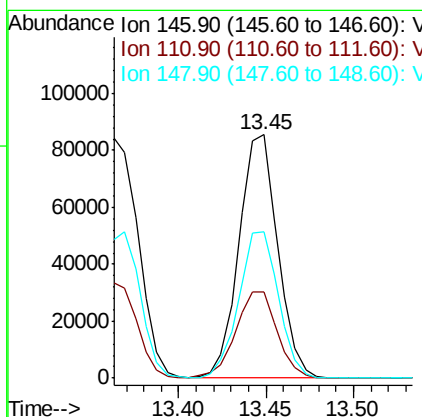
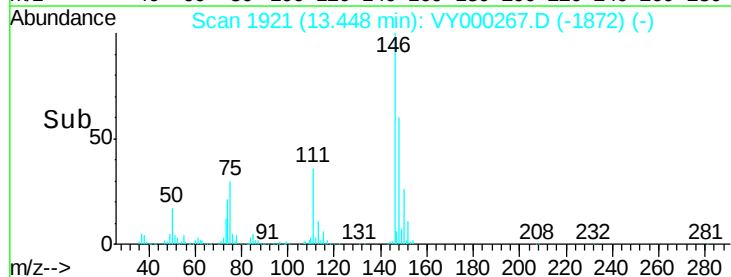
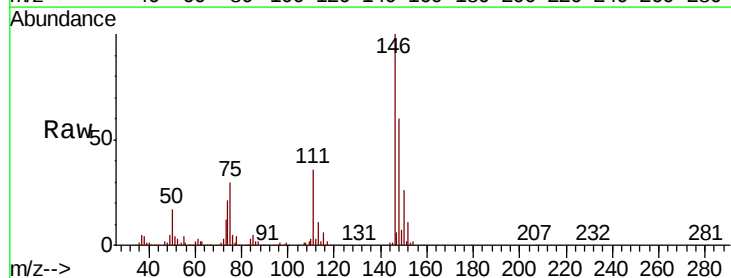
Manual Integrations
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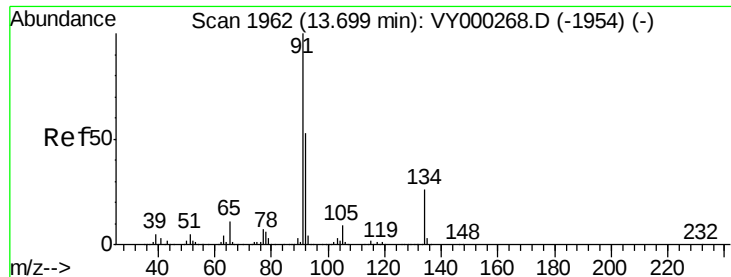
MMDadoda
 10/15/2019 12:33:41 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.400 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	132154		
111	38.1	20.1	60.2	
148	61.9	32.4	97.2	





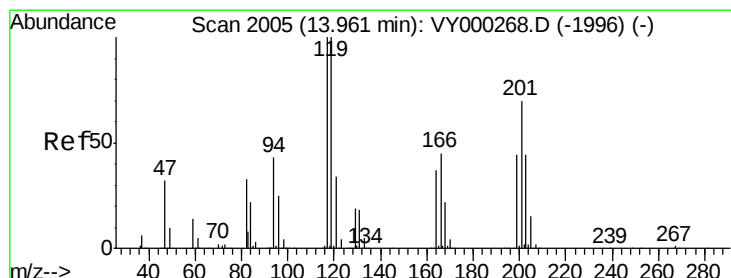
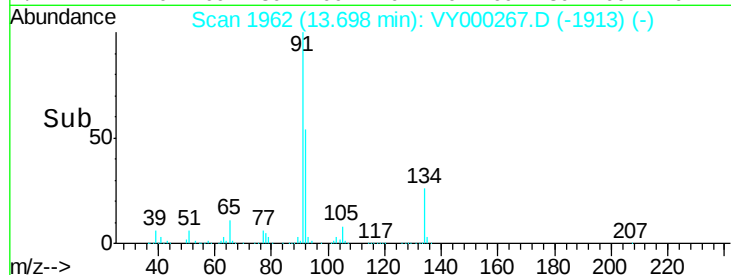
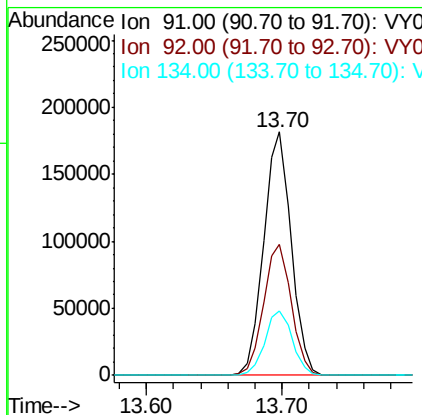
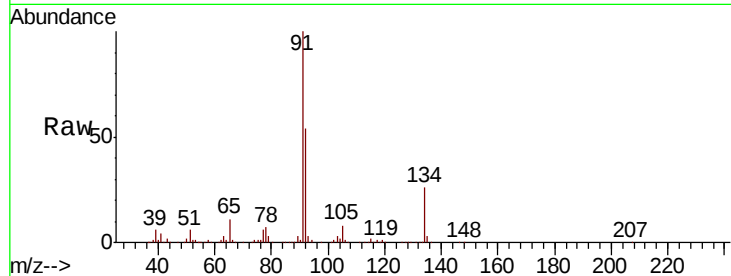
#89
n-Butylbenzene
Concen: 19.697 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.1
134	26.5	13.0	38.9

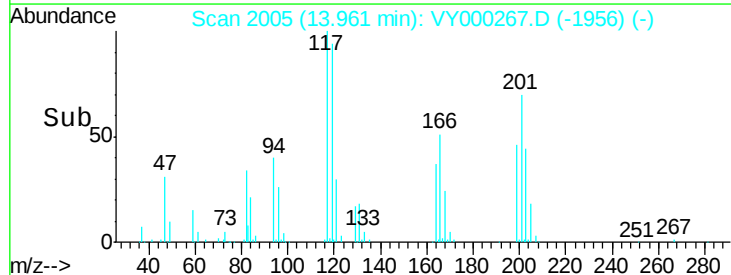
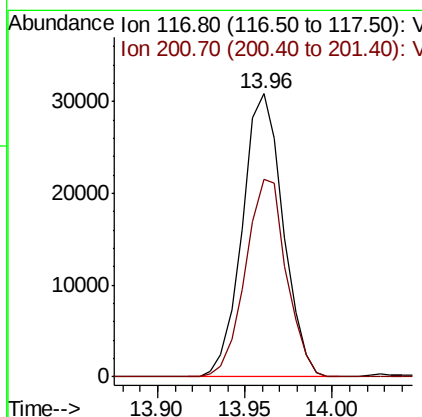
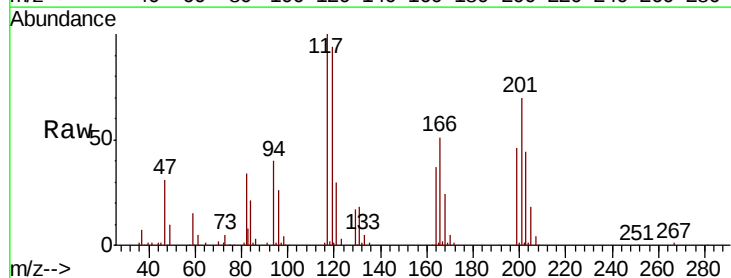
Manual Integrations
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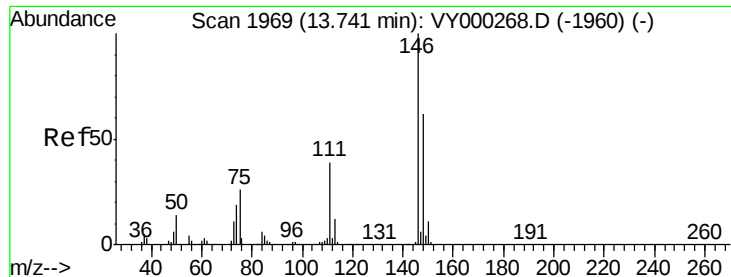
MMDadoda
10/15/2019 12:33:41 PM



#90
Hexachloroethane
Concen: 20.405 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000267.D
Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	36.3	108.7





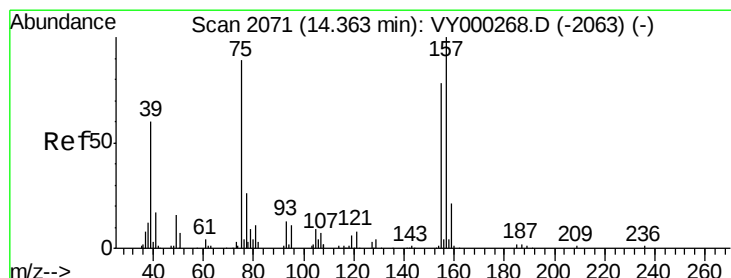
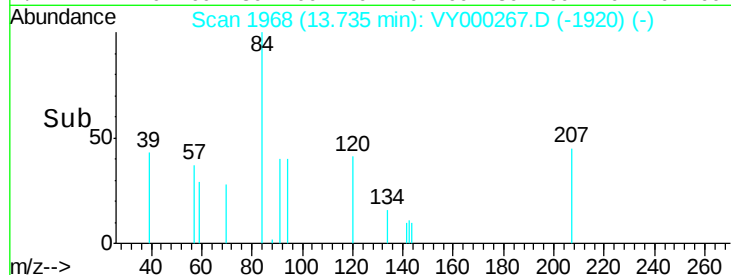
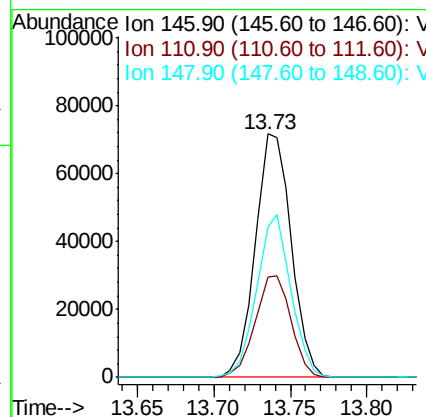
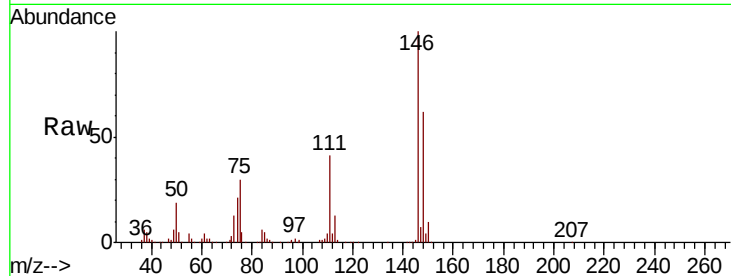
#91
 1,2-Dichlorobenzene
 Concen: 19.999 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.5
148	63.6	31.6	95.0

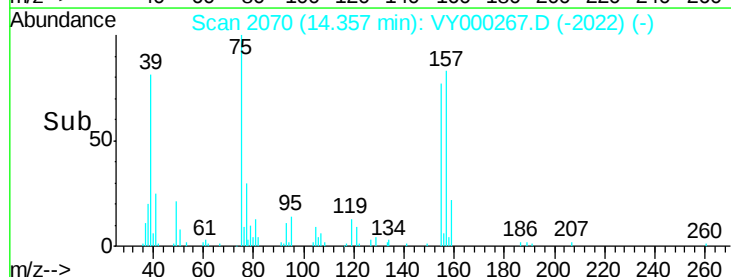
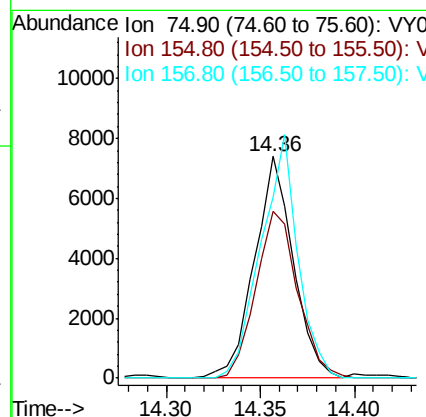
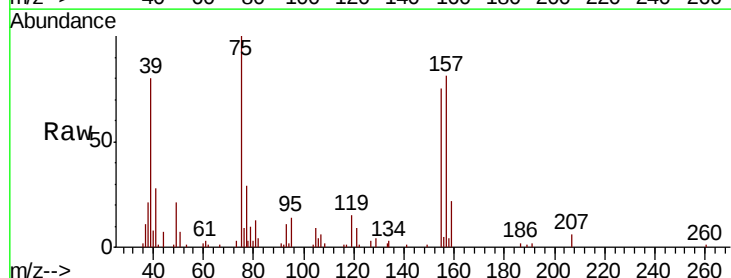
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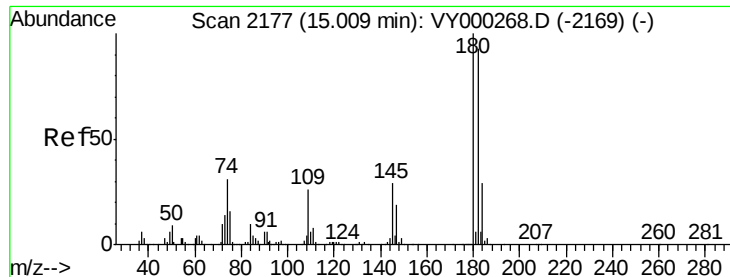
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.079 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.0	45.8	137.3
157	103.8	55.6	166.9





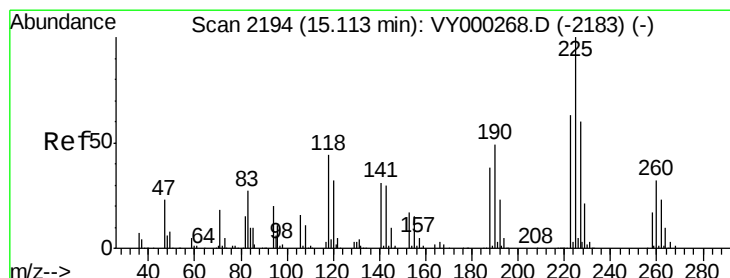
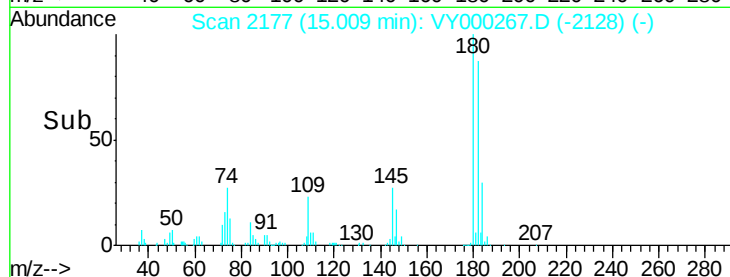
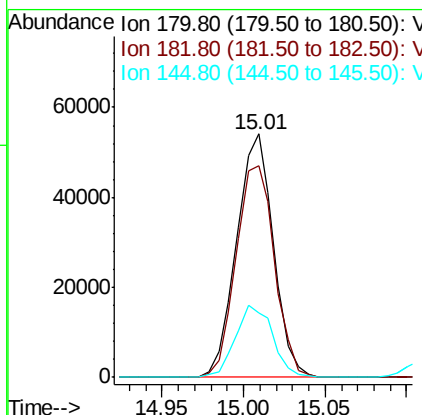
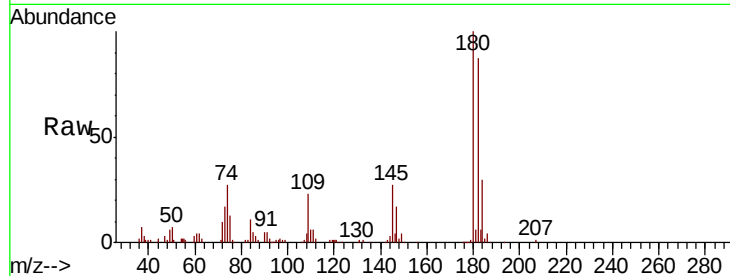
#93
 1,2,4-Trichlorobenzene
 Concen: 20.770 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	91.1	47.5	142.6	
145	30.0	15.4	46.1	

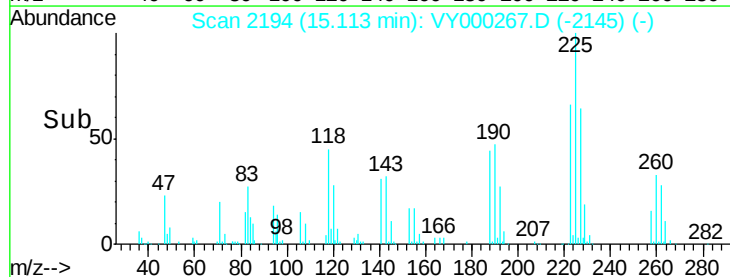
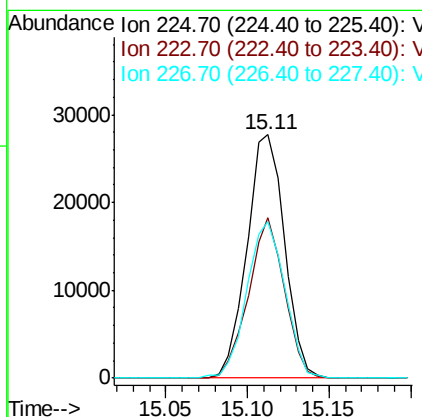
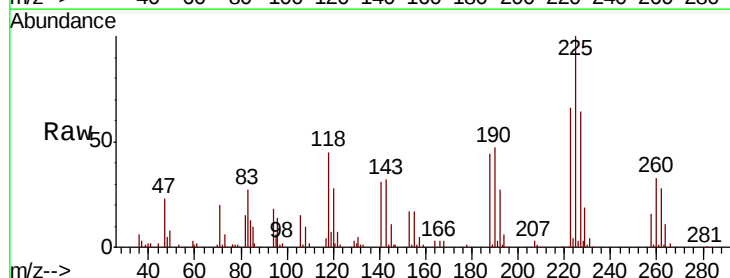
Manual Integrations
 APPROVED

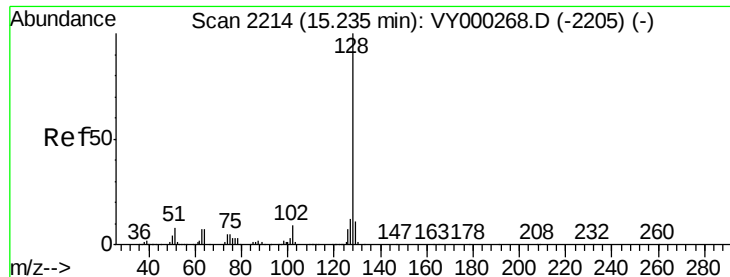
MMDadoda
 10/15/2019 12:33:41 PM



#94
 Hexachlorobutadiene
 Concen: 20.130 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000267.D
 Acq: 11 Oct 2019 13:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.9	95.7	
227	65.1	31.4	94.2	





#95

Naphthalene

Concen: 19.911 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Instrument :

MSVOA_Y

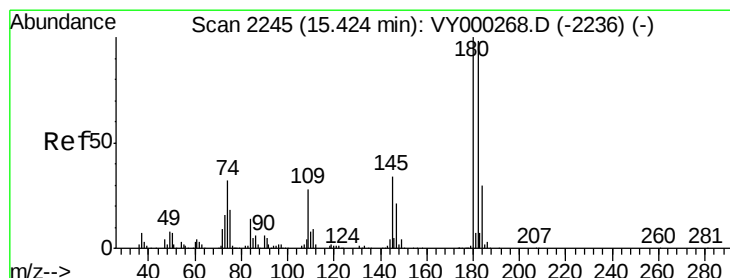
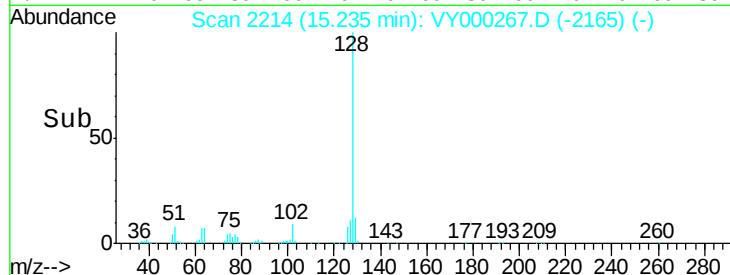
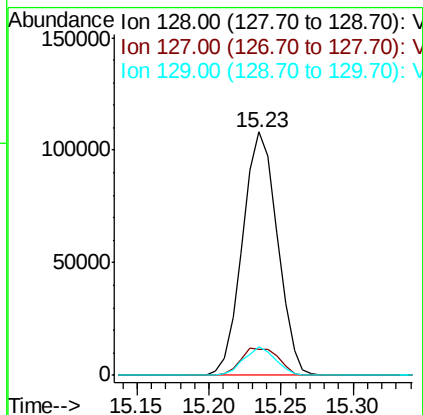
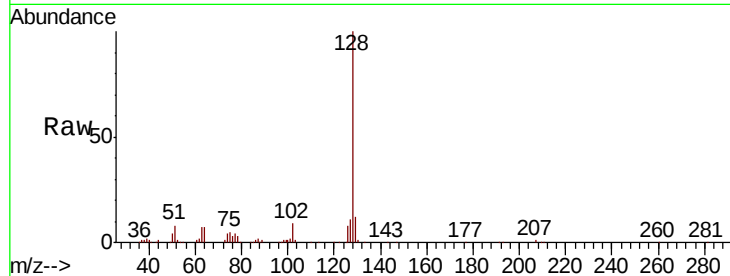
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	181459
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.6	14.4
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.653 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000267.D

Acq: 11 Oct 2019 13:30

Tgt Ion:	180	Resp:	76013
Ion Ratio	Lower	Upper	
180	100		
182	91.5	46.5	139.5
145	31.9	16.2	48.5

