

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY012120\
 Data File : VY001320.D
 Acq On : 21 Jan 2020 14:42
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/22/2020 10:49:14 AM

Quant Time: Jan 21 16:32:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 21 16:22:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	191397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	335620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	291334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	136765	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	10063	4.95	ug/l	0.00
Spiked Amount			Recovery	=	9.90%	
35) Dibromofluoromethane	7.75	113	9471	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	
50) Toluene-d8	10.20	98	39531	5.22	ug/l	0.01
Spiked Amount			Recovery	=	10.44%	
62) 4-Bromofluorobenzene	12.49	95	14412	4.67	ug/l	0.00
Spiked Amount			Recovery	=	9.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.92	85	6671	4.498	ug/l	93
3) Chloromethane	2.13	50	11833	5.494	ug/l	93
4) Vinyl Chloride	2.27	62	11576	5.325	ug/l	94
5) Bromomethane	2.68	94	9101	7.560	ug/l	92
6) Chloroethane	2.82	64	7558	5.905	ug/l	95
7) Trichlorofluoromethane	3.15	101	15204	5.069	ug/l	98
8) Diethyl Ether	3.56	74	6217	5.297	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	9762	5.072	ug/l	96
10) Methyl Iodide	4.12	142	10917	4.141	ug/l	98
11) Tert butyl alcohol	4.97	59	10952	50.938	ug/l #	74
12) 1,1-Dichloroethene	3.90	96	10614	5.381	ug/l	98
13) Acrolein	3.77	56	4919	27.705	ug/l	96
14) Allyl chloride	4.51	41	17987	5.354	ug/l	98
15) Acrylonitrile	5.20	53	15604	26.328	ug/l	99
16) Acetone	3.97	43	18730	38.140	ug/l	90
17) Carbon Disulfide	4.22	76	31358	4.950	ug/l	99
18) Methyl Acetate	4.51	43	9794	6.177	ug/l	96
19) Methyl tert-butyl Ether	5.25	73	28322	5.148	ug/l	99
20) Methylene Chloride	4.75	84	25151	9.407	ug/l	95
21) trans-1,2-Dichloroethene	5.25	96	11922	5.322	ug/l	96
22) Diisopropyl ether	6.16	45	36228	5.259	ug/l	93
23) Vinyl Acetate	6.10	43	109189	24.693	ug/l	100
24) 1,1-Dichloroethane	6.05	63	19881	5.294	ug/l	98
25) 2-Butanone	7.02	43	22820	30.048	ug/l	95
26) 2,2-Dichloropropane	7.02	77	19665	5.731	ug/l	95
27) cis-1,2-Dichloroethene	7.02	96	13090	5.316	ug/l	95
28) Bromochloromethane	7.36	49	7372	4.816	ug/l	97
29) Tetrahydrofuran	7.38	42	13634	26.453	ug/l	98
30) Chloroform	7.54	83	19787	5.401	ug/l	100
31) Cyclohexane	7.82	56	22585	5.749	ug/l #	85
32) 1,1,1-Trichloroethane	7.73	97	16635	5.141	ug/l	97
36) 1,1-Dichloropropene	7.95	75	16164	5.263	ug/l	99
37) Ethyl Acetate	7.11	43	8778	4.812	ug/l #	79
38) Carbon Tetrachloride	7.93	117	14442	5.146	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	20344	4.920	ug/l	97
40) Benzene	8.19	78	47594	5.278	ug/l	99
41) Methacrylonitrile	7.34	41	4829m	5.615	ug/l	
42) 1,2-Dichloroethane	8.26	62	13104	5.193	ug/l	99
43) Isopropyl Acetate	8.30	43	17241	4.926	ug/l	99
44) Trichloroethene	8.96	130	12712	5.451	ug/l	99
45) 1,2-Dichloropropane	9.24	63	11871	5.294	ug/l #	88
46) Dibromomethane	9.32	93	6460	5.314	ug/l	100
47) Bromodichloromethane	9.52	83	15138	5.122	ug/l	87
48) Methyl methacrylate	9.32	41	7691	4.781	ug/l	97
49) 1,4-Dioxane	9.32	88	1623	108.103	ug/l	89
51) 4-Methyl-2-Pentanone	10.09	43	45139	25.404	ug/l	99
52) Toluene	10.26	92	30143	5.256	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	16063	4.853	ug/l	96
54) cis-1,3-Dichloropropene	9.95	75	18864	5.049	ug/l	95
55) 1,1,2-Trichloroethane	10.66	97	9054	5.007	ug/l	96
56) Ethyl methacrylate	10.53	69	13304	4.823	ug/l	97
57) 1,3-Dichloropropane	10.81	76	15971	5.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	29181	30.436	ug/l	99
59) 2-Hexanone	10.85	43	30655	24.604	ug/l	98
60) Dibromochloromethane	11.00	129	10076	4.882	ug/l	96
61) 1,2-Dibromoethane	11.11	107	8472	4.823	ug/l	95
64) Tetrachloroethene	10.74	164	10140	5.445	ug/l	85
65) Chlorobenzene	11.53	112	31283	5.344	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	10290	5.105	ug/l	99
67) Ethyl Benzene	11.61	91	58034	5.414	ug/l	99
68) m/p-Xylenes	11.72	106	42933	10.649	ug/l	100
69) o-Xylene	12.04	106	20786	5.362	ug/l	97
70) Styrene	12.06	104	35357	5.204	ug/l	98
71) Bromoform	12.22	173	6027	4.884	ug/l #	97
73) Isopropylbenzene	12.35	105	53902	5.210	ug/l	99
74) N-amyl acetate	12.16	43	16323	5.010	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.60	83	11136	5.075	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	8245m	5.452	ug/l	
77) Bromobenzene	12.62	156	12222	5.344	ug/l	94
78) n-propylbenzene	12.68	91	64465	5.176	ug/l	98
79) 2-Chlorotoluene	12.77	91	37677	5.278	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	45356	5.263	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	3946	4.563	ug/l	99
82) 4-Chlorotoluene	12.87	91	39802	5.226	ug/l	98
83) tert-Butylbenzene	13.08	119	38758	5.333	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	46459	5.421	ug/l	97
85) sec-Butylbenzene	13.27	105	54277	5.195	ug/l	98
86) p-Isopropyltoluene	13.38	119	47929	5.290	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	24081	5.545	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	24091	5.409	ug/l	95
89) n-Butylbenzene	13.70	91	48361	5.307	ug/l	98
90) Hexachloroethane	13.97	117	8614	4.876	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	21254	5.273	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	2030	5.199	ug/l	88

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ClientSampleId :
VSTDICC005

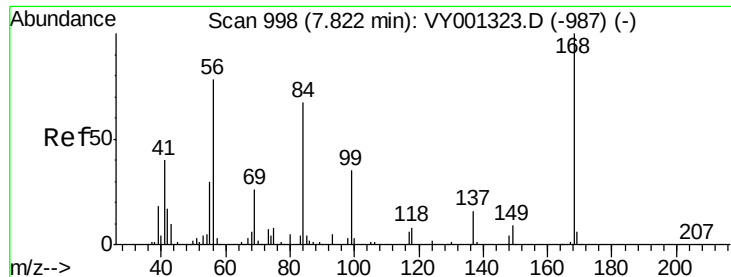
Manual Integrations
APPROVED

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1/22/2020 10:49:14 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y012120S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	15568	5.879	ug/l	97
94) Hexachlorobutadiene	15.13	225	7674	5.780	ug/l	95
95) Naphthalene	15.25	128	33628	5.458	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	13361	5.710	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 191397

Ion Ratio Lower Upper

168 100

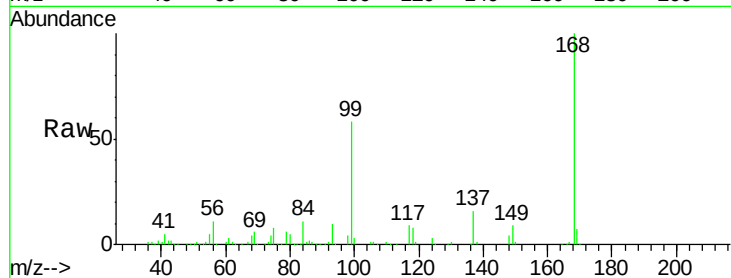
99 57.9 44.3 66.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001323.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001323.D (-987) (-)

7.82

80000

60000

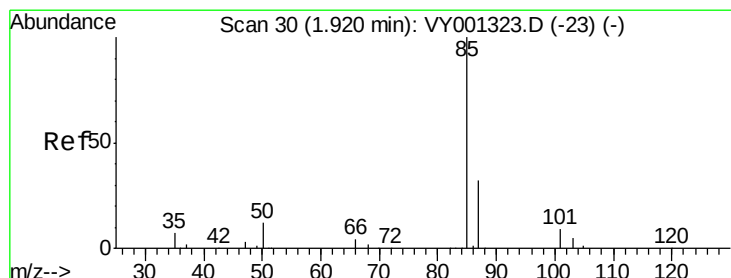
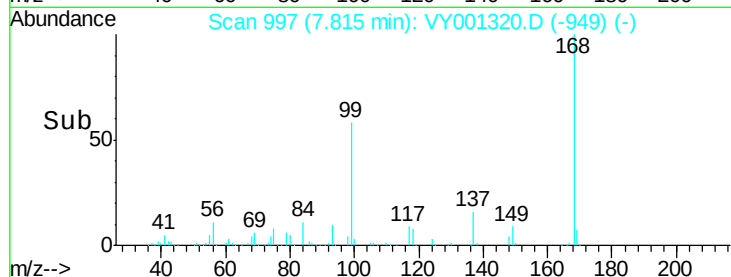
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.498 ug/l

RT: 1.92 min Scan# 30

Delta R.T. -0.00 min

Lab File: VY001320.D

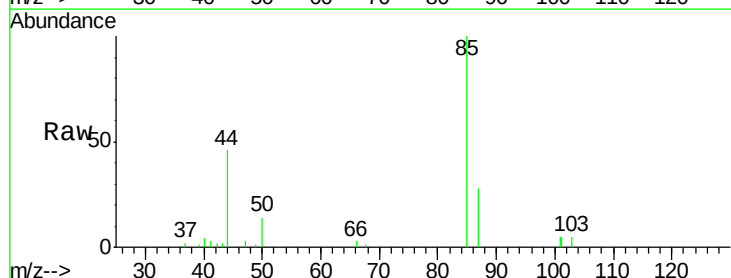
Acq: 21 Jan 2020 14:42

Tgt Ion: 85 Resp: 6671

Ion Ratio Lower Upper

85 100

87 28.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VY001323.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001323.D (-23) (-)

1.92

5000

4000

3000

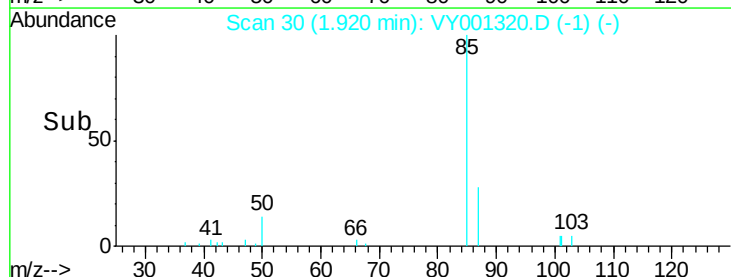
2000

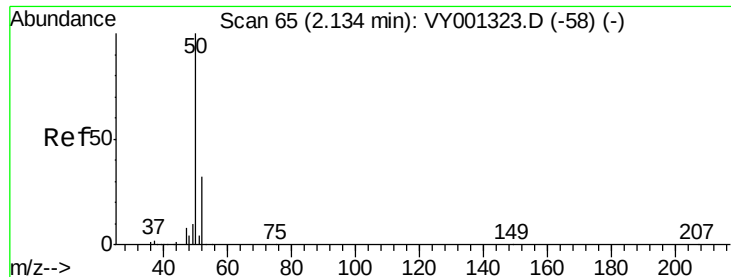
1000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 5.494 ug/l

RT: 2.13 min Scan# 65

Delta R.T. -0.00 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 11833

Ion Ratio Lower Upper

50 100

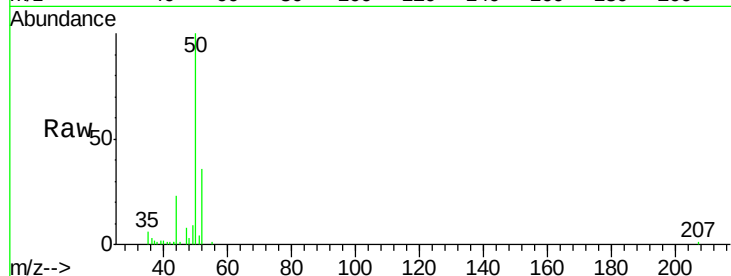
52 35.9 25.7 38.5

Manual Integrations

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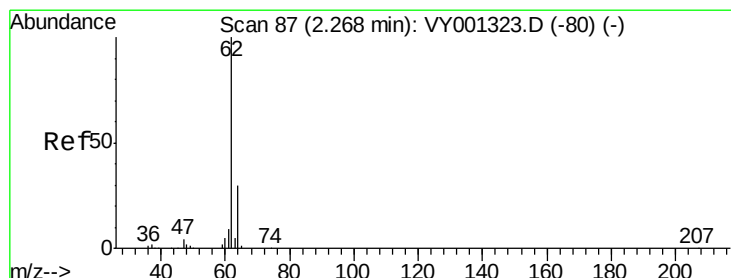
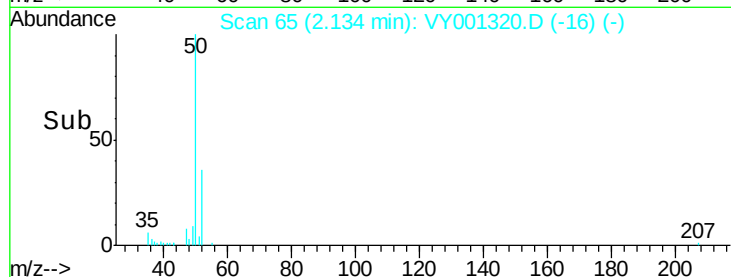
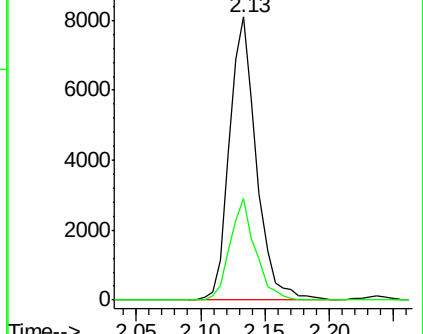
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.325 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001320.D

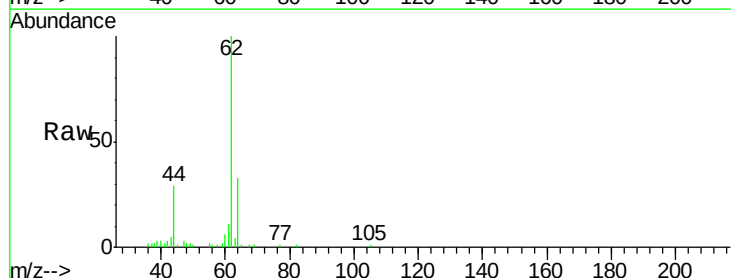
Acq: 21 Jan 2020 14:42

Tgt Ion: 62 Resp: 11576

Ion Ratio Lower Upper

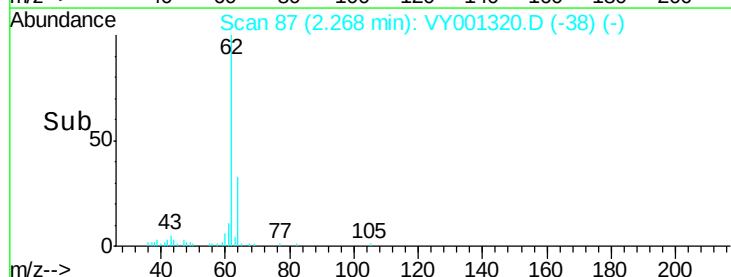
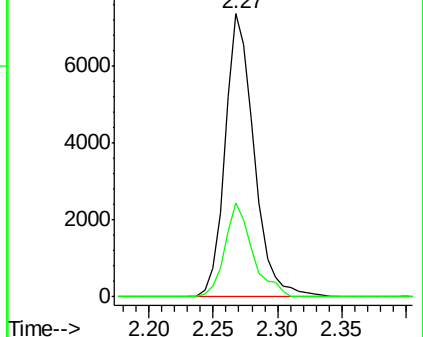
62 100

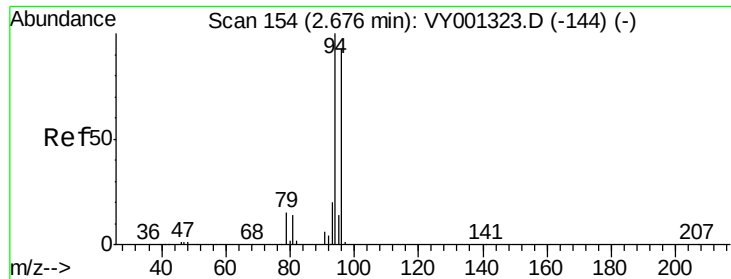
64 33.0 23.9 35.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 7.560 ug/l

RT: 2.68 min Scan# 154

Delta R.T. -0.00 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 9101

Ion Ratio Lower Upper

94 100

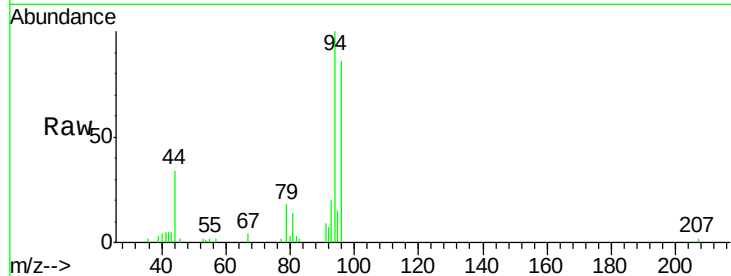
96 85.8 74.6 111.8

Manual Integrations

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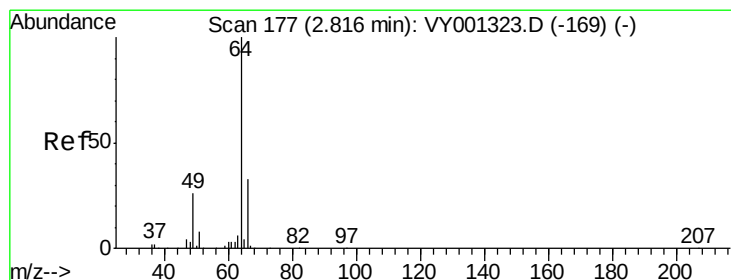
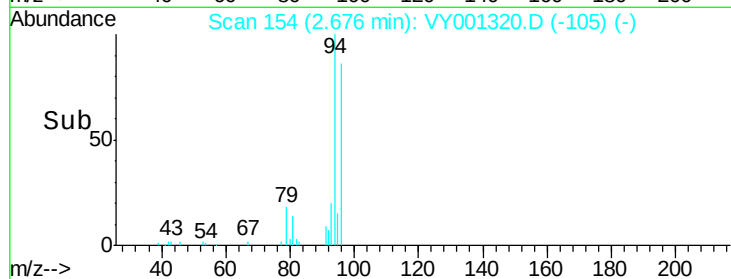
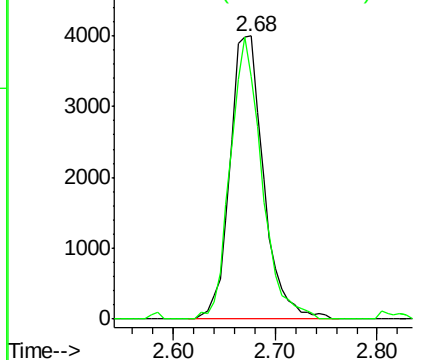
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.905 ug/l

RT: 2.82 min Scan# 177

Delta R.T. -0.00 min

Lab File: VY001320.D

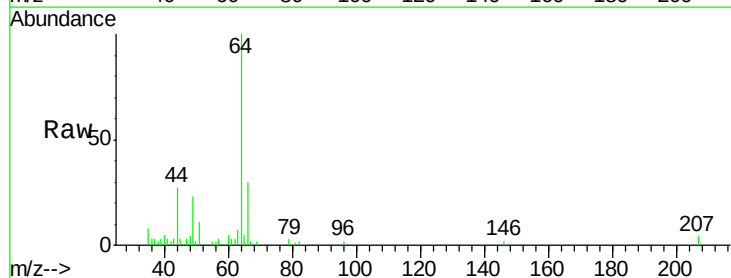
Acq: 21 Jan 2020 14:42

Tgt Ion: 64 Resp: 7558

Ion Ratio Lower Upper

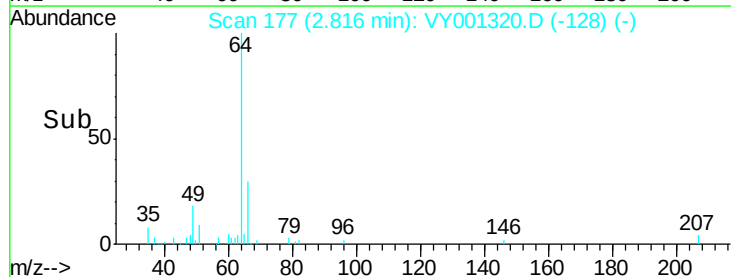
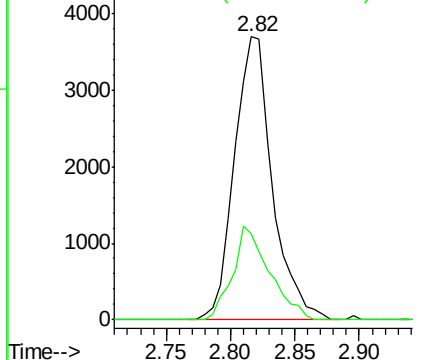
64 100

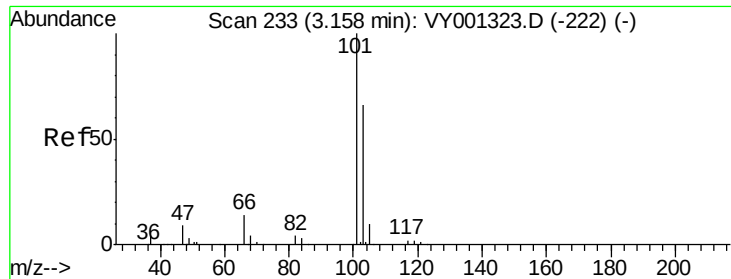
66 30.5 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

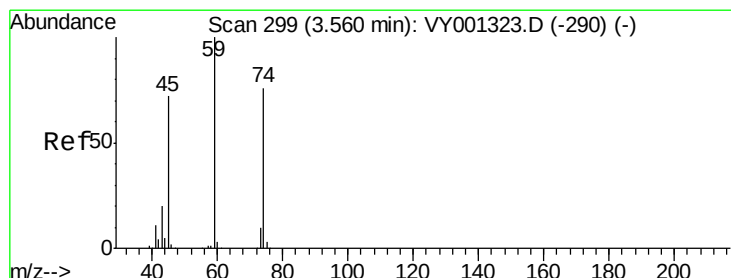
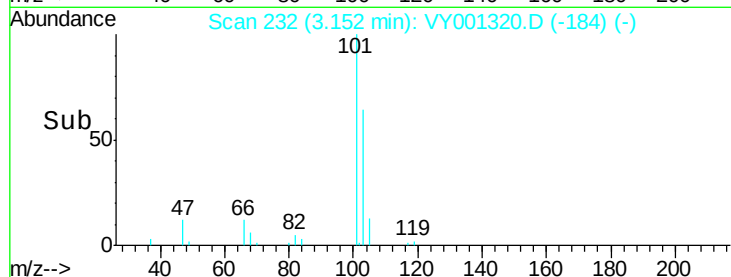
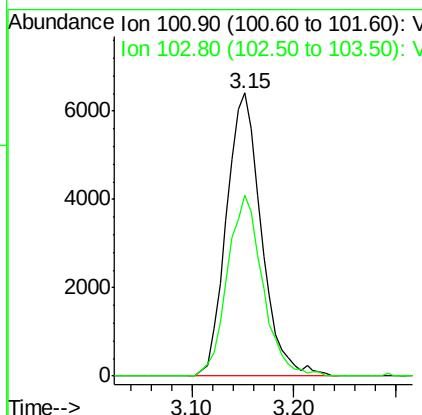
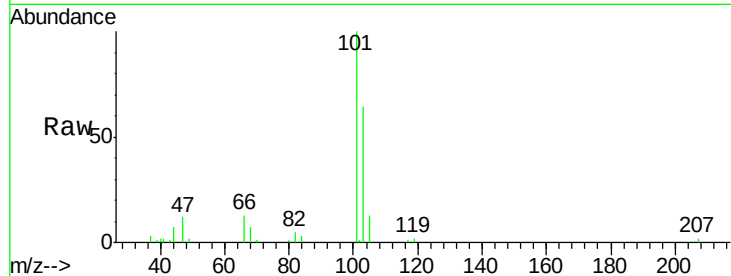
Trichlorofluoromethane
Concen: 5.069 ug/l
RT: 3.15 min Scan# 232
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

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VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

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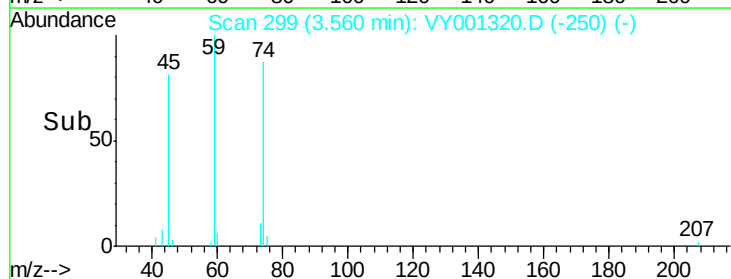
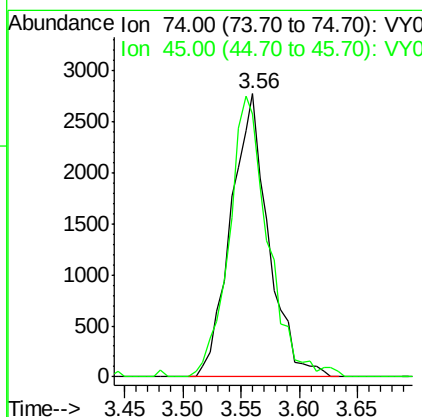
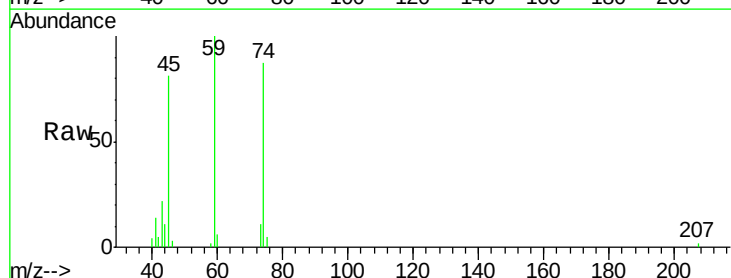
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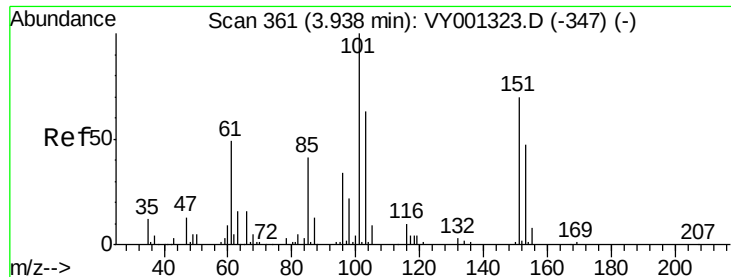


#8

Diethyl Ether
Concen: 5.297 ug/l
RT: 3.56 min Scan# 299
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.072 ug/l

RT: 3.93 min Scan# 359

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

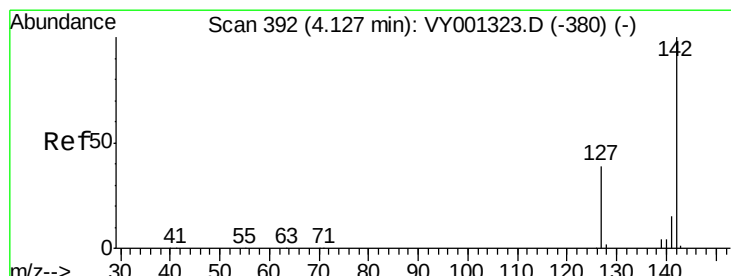
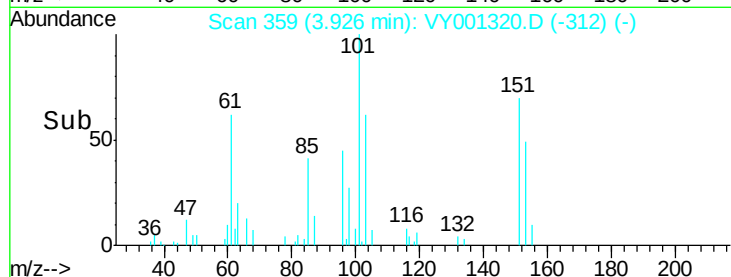
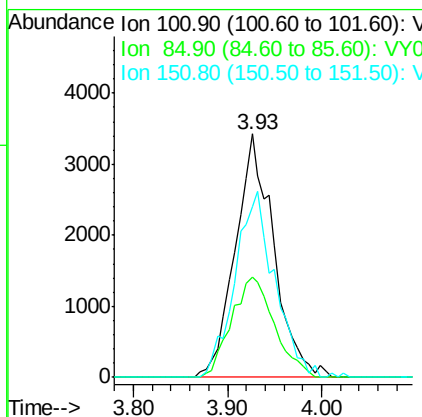
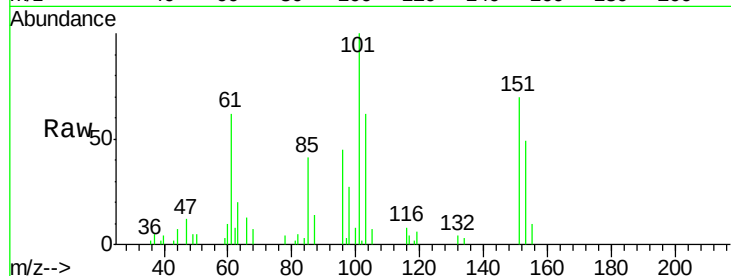
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	9762
Ion Ratio	Lower	Upper	
101	100		
85	46.0	34.9	52.3
151	78.7	59.9	89.9

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#10

Methyl Iodide

Concen: 4.141 ug/l

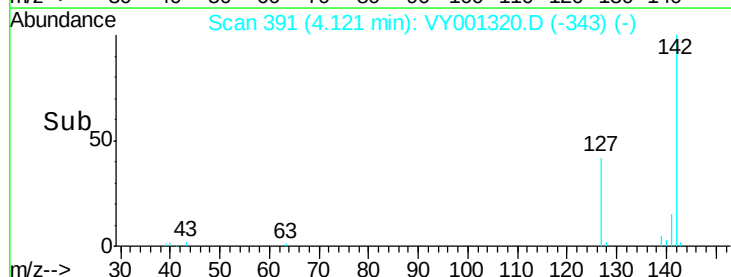
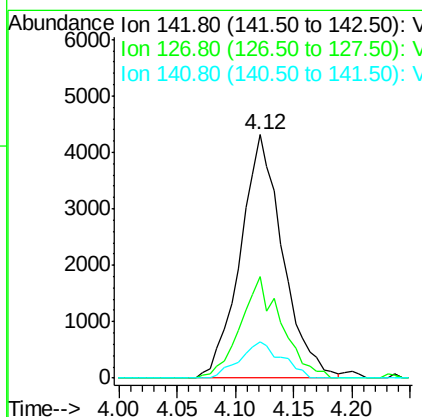
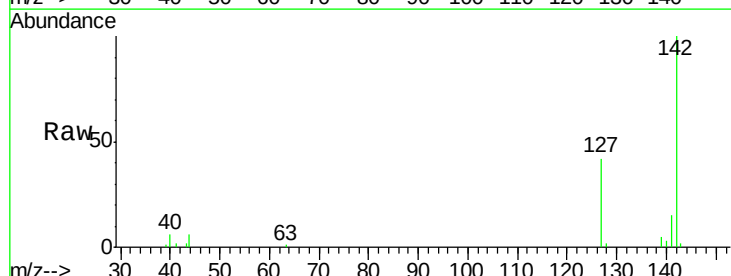
RT: 4.12 min Scan# 391

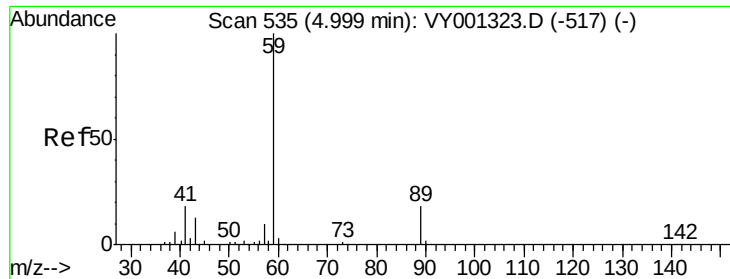
Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Tgt Ion:	142	Resp:	10917
Ion Ratio	Lower	Upper	
142	100		
127	40.6	31.6	47.4
141	14.7	11.2	16.8





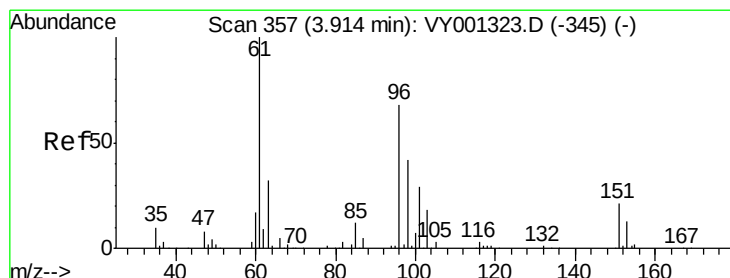
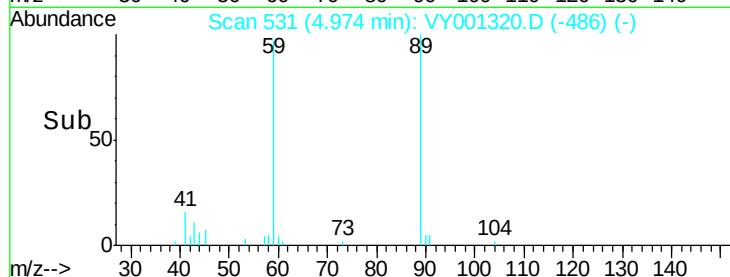
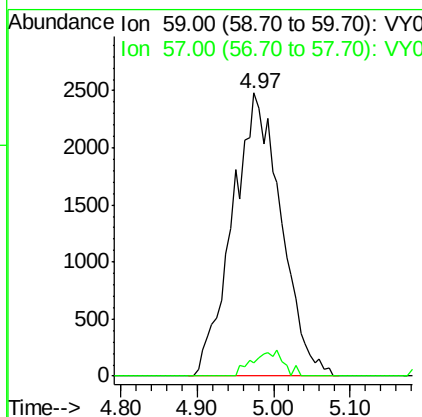
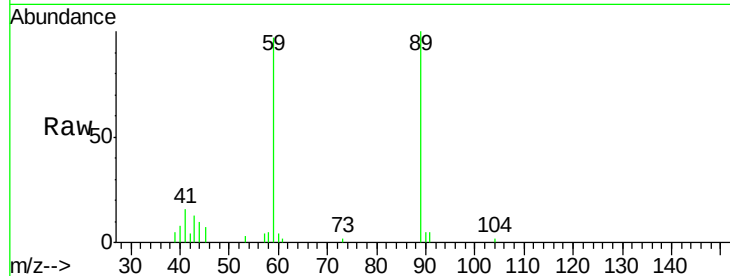
#11
Tert butyl alcohol
Concen: 50.938 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 10952
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

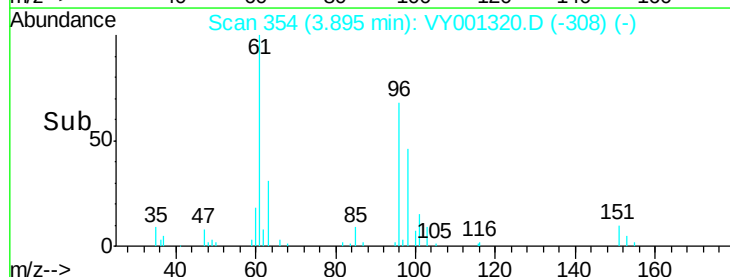
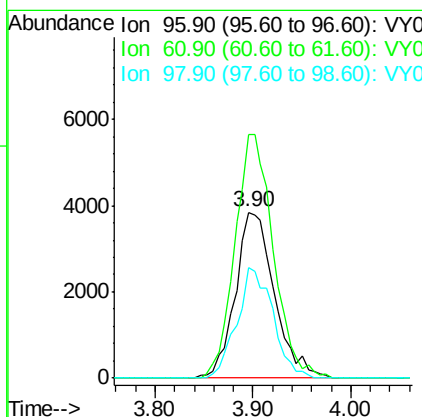
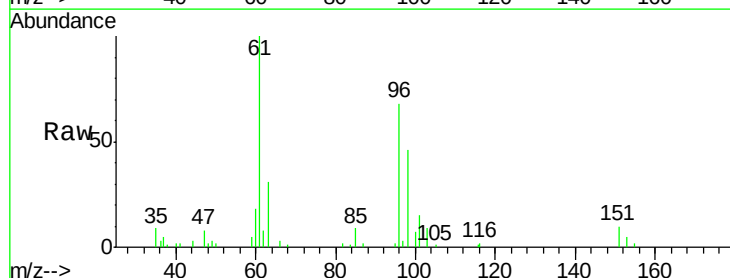
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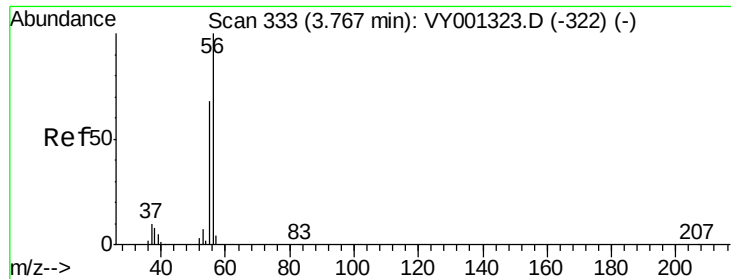
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.381 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.02 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 96 Resp: 10614
Ion Ratio Lower Upper
96 100
61 146.8 118.0 177.0
98 67.0 49.4 74.2





#13

Acrolein

Concen: 27.705 ug/l

RT: 3.77 min Scan# 333

Delta R.T. -0.00 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4919

Ion Ratio Lower Upper

56 100

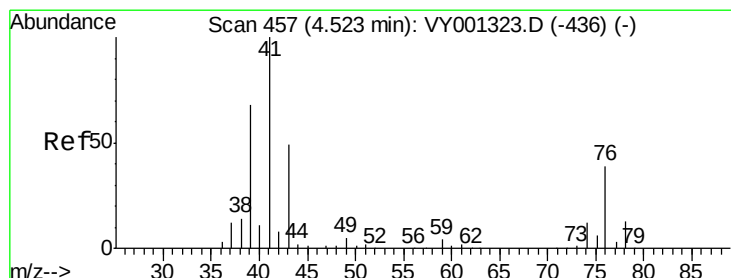
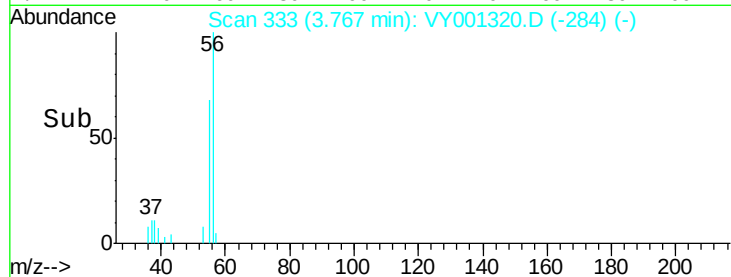
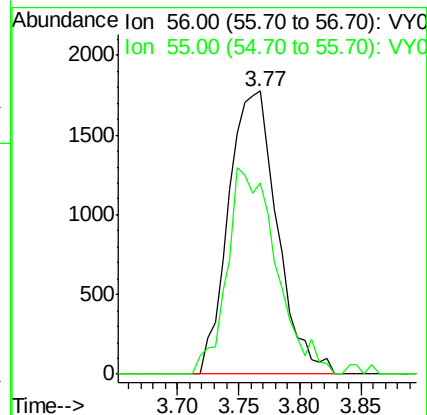
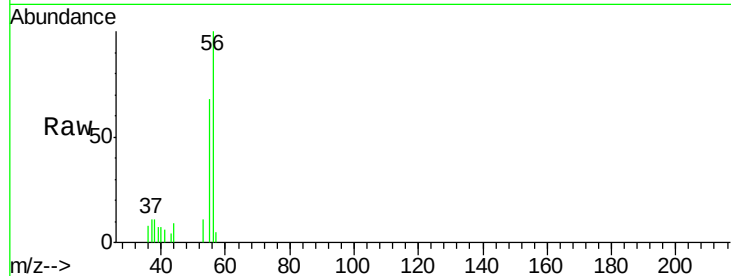
55 73.5 55.9 83.9

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#14

Allyl chloride

Concen: 5.354 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.02 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

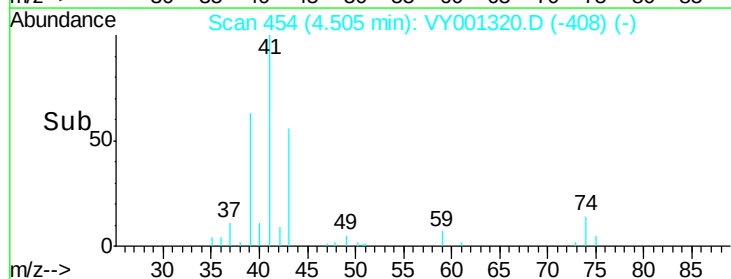
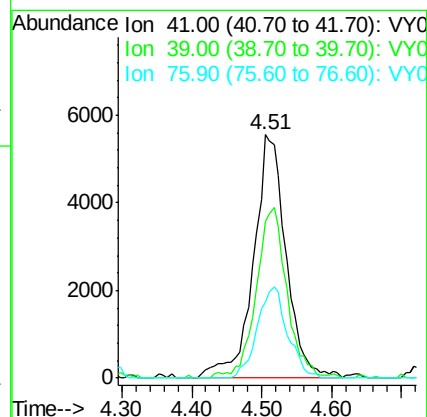
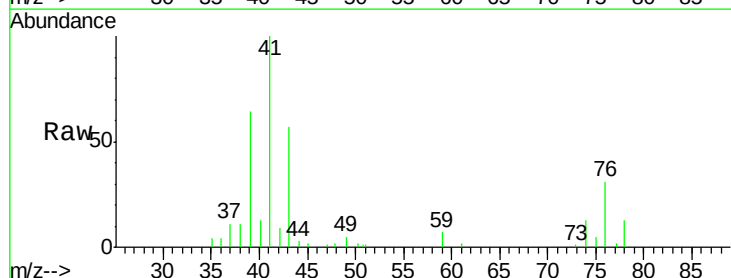
Tgt Ion: 41 Resp: 17987

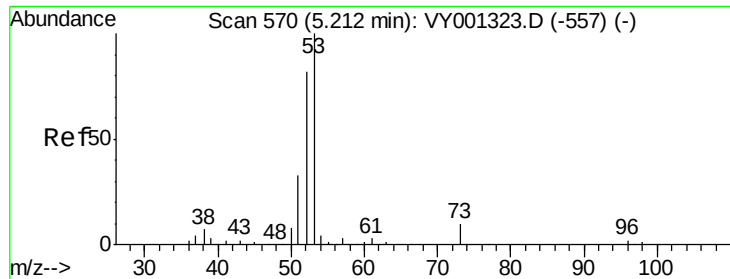
Ion Ratio Lower Upper

41 100

39 66.0 52.2 78.4

76 34.5 29.1 43.7





#15

Acrylonitrile

Concen: 26.328 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

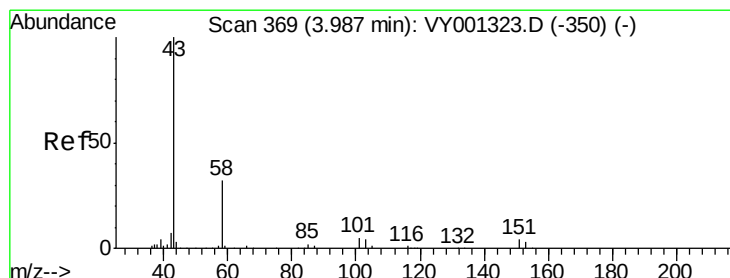
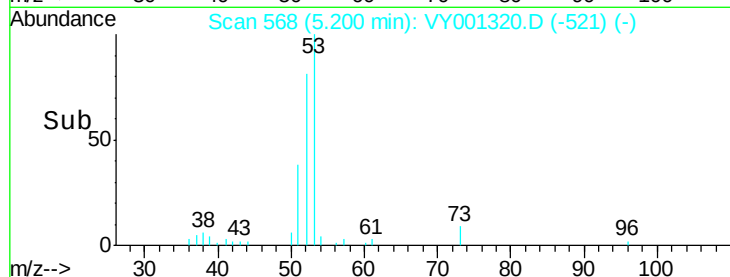
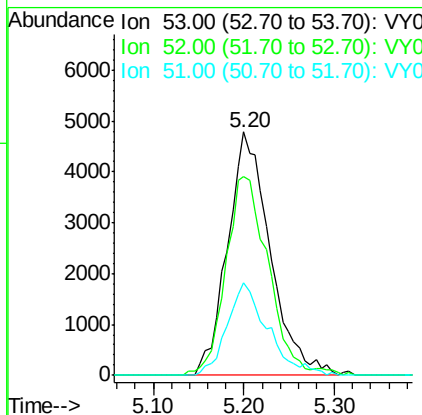
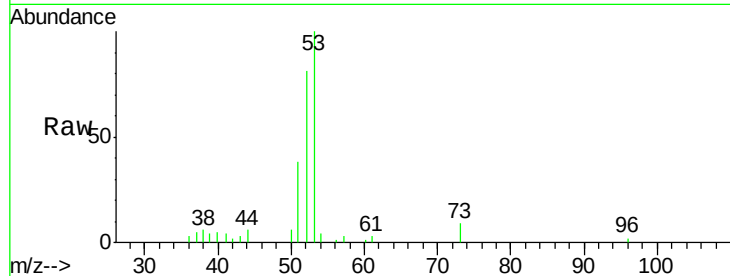
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	15604
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.3	97.9
51	36.2	28.4	42.6

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#16

Acetone

Concen: 38.140 ug/l

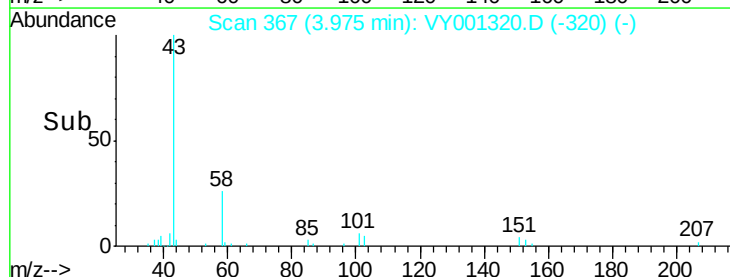
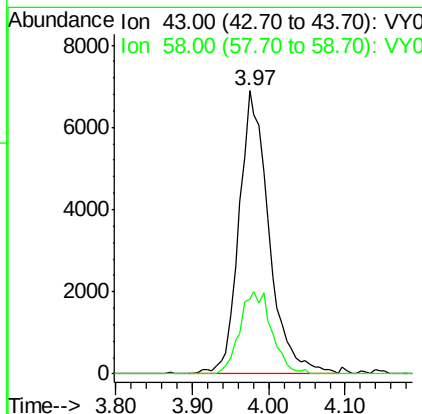
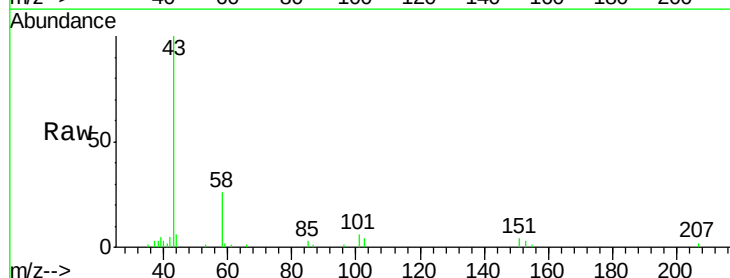
RT: 3.97 min Scan# 367

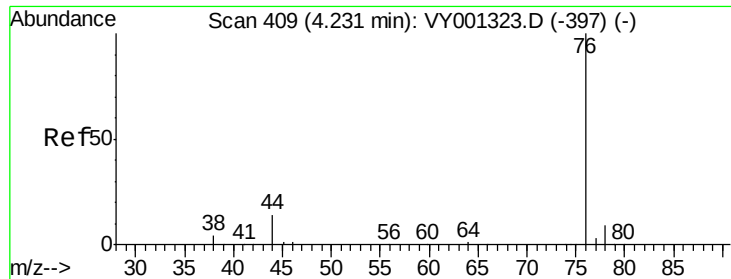
Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Tgt Ion:	43	Resp:	18730
Ion	Ratio	Lower	Upper
43	100		
58	26.2	25.4	38.0





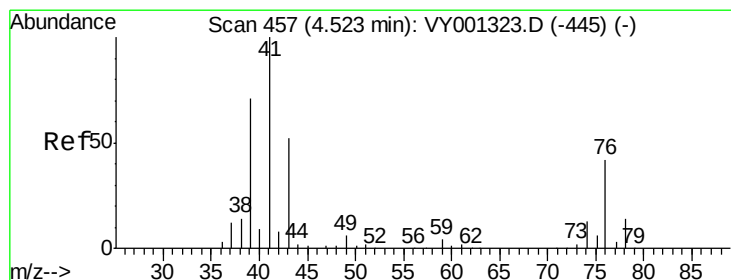
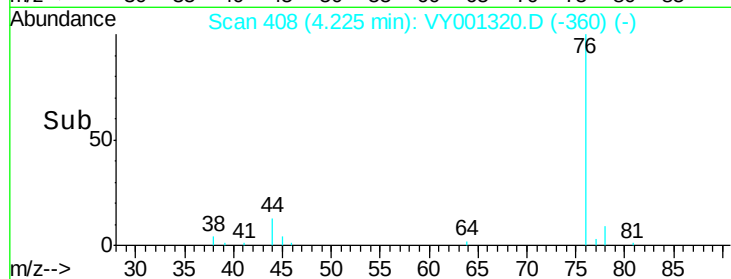
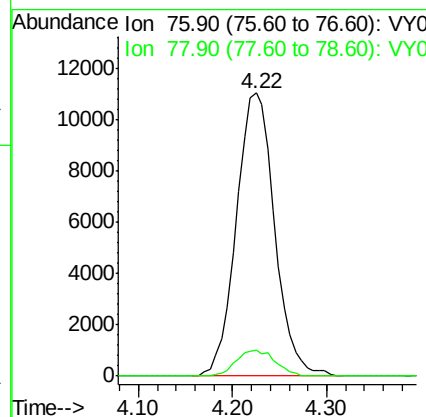
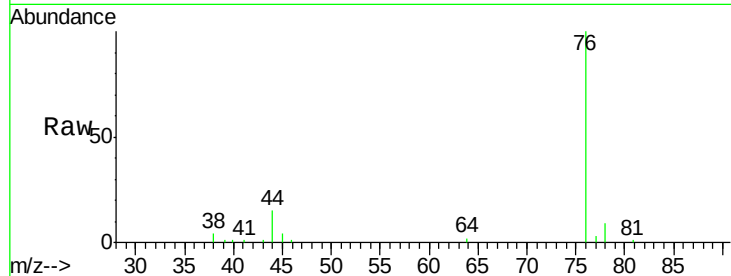
#17
Carbon Disulfide
Concen: 4.950 ug/l
RT: 4.22 min Scan# 408
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

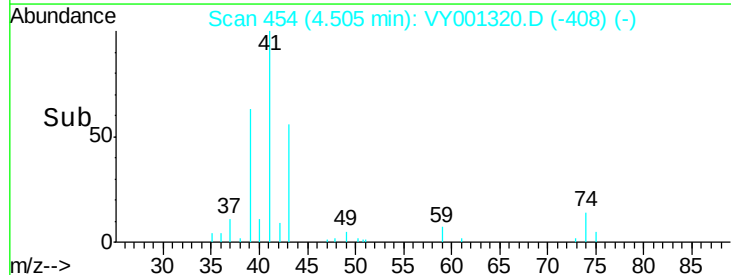
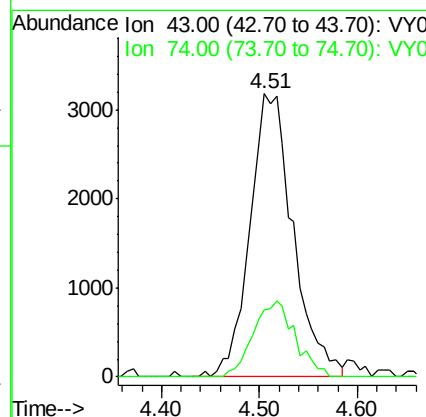
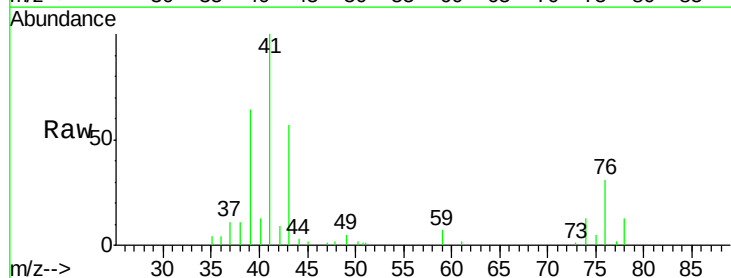
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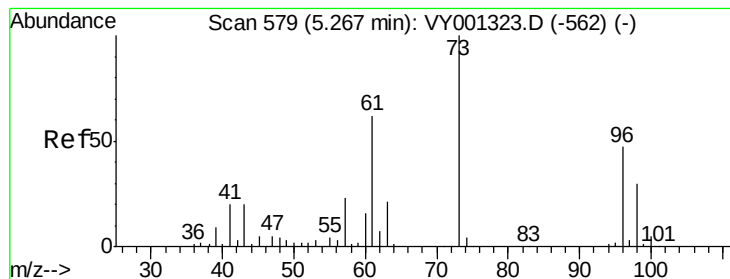
MMDadoda
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#18
Methyl Acetate
Concen: 6.177 ug/l
RT: 4.51 min Scan# 454
Delta R.T. -0.02 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.4	29.2





#19

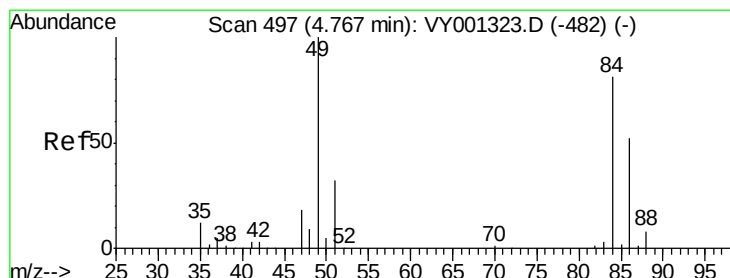
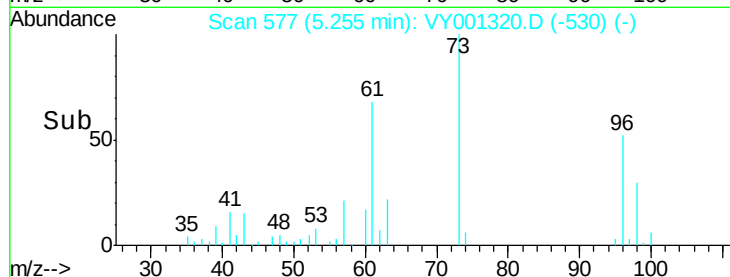
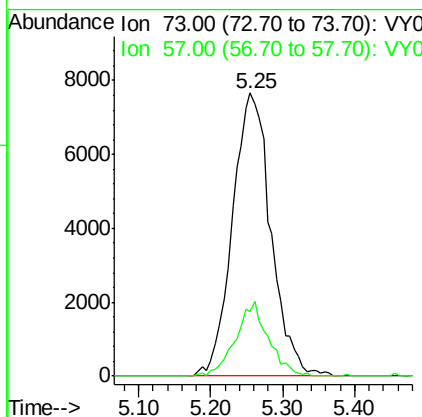
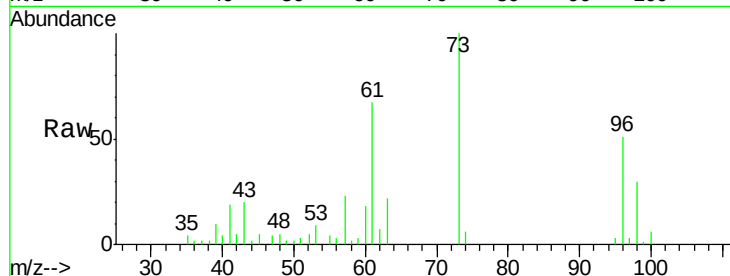
Methyl tert-butyl Ether
 Concen: 5.148 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.2

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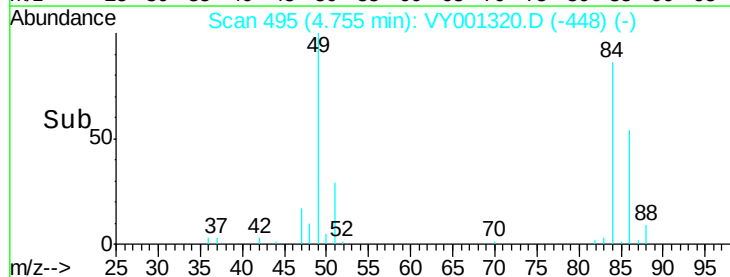
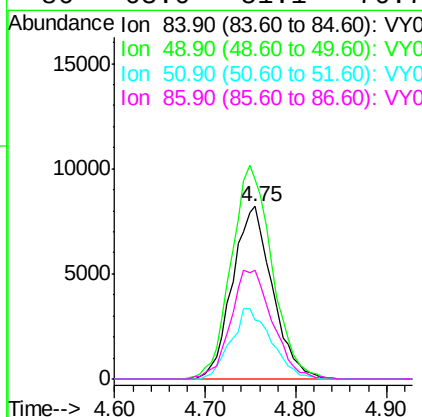
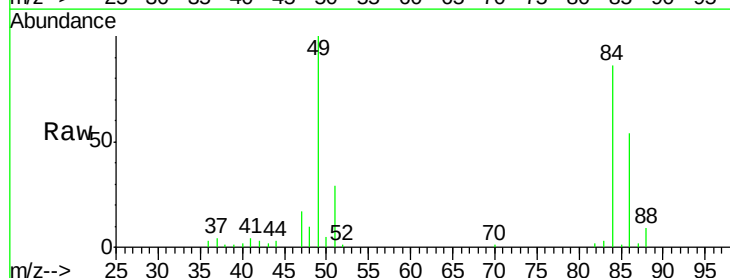
MMDadoda
 1/22/2020 10:49:14 AM

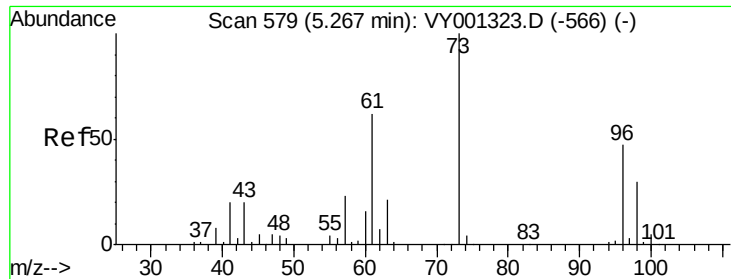


#20

Methylene Chloride
 Concen: 9.407 ug/l
 RT: 4.75 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.1	98.3	147.5
51	33.9	31.6	47.4
86	63.0	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 5.322 ug/l

RT: 5.25 min Scan# 577

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 11922

Ion Ratio Lower Upper

96 100

61 130.6 106.8 160.2

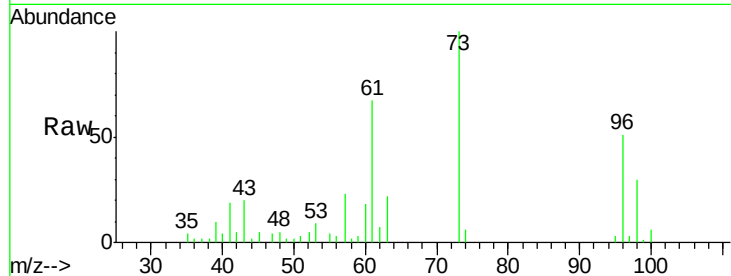
98 58.1 51.0 76.6

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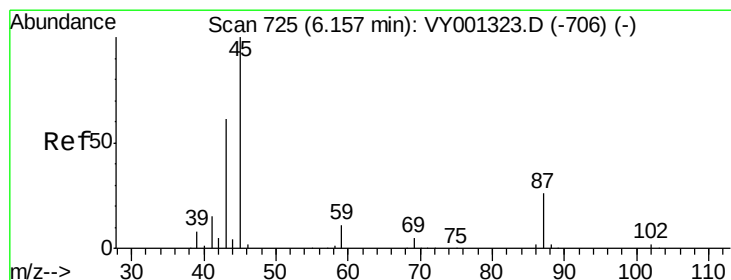
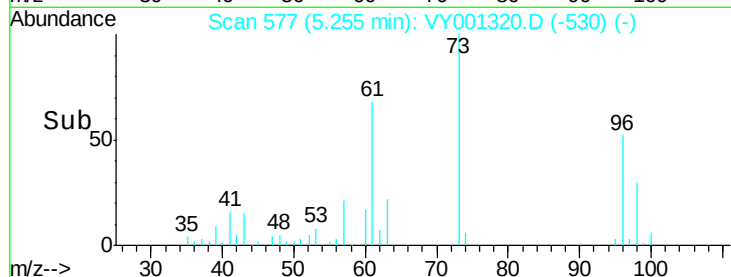
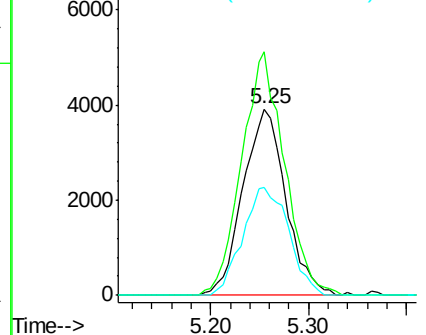
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Abundance Ion 95.90 (95.60 to 96.60): VY001323.D (-566) (-)

Ion 60.90 (60.60 to 61.60): VY001323.D (-566) (-)

Ion 97.90 (97.60 to 98.60): VY001323.D (-566) (-)



#22

Diisopropyl ether

Concen: 5.259 ug/l

RT: 6.16 min Scan# 725

Delta R.T. -0.00 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Tgt Ion: 45 Resp: 36228

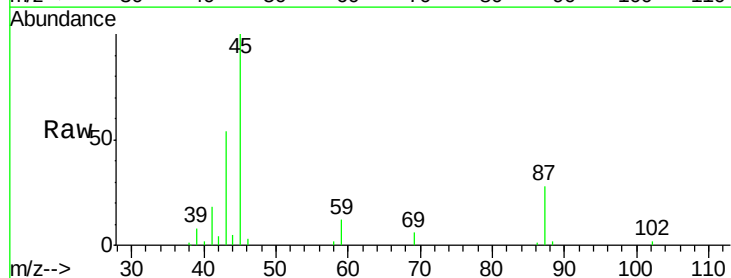
Ion Ratio Lower Upper

45 100

43 53.5 49.2 73.8

87 28.1 21.4 32.2

59 12.4 9.3 13.9

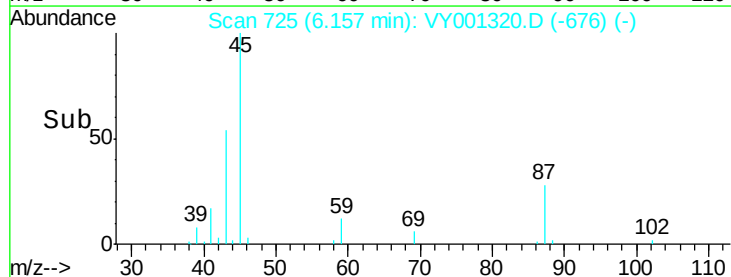
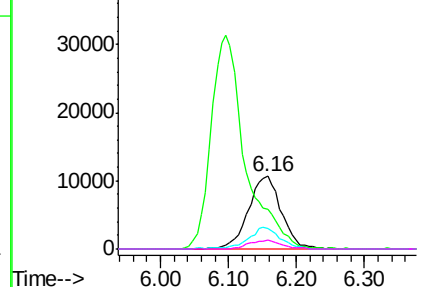


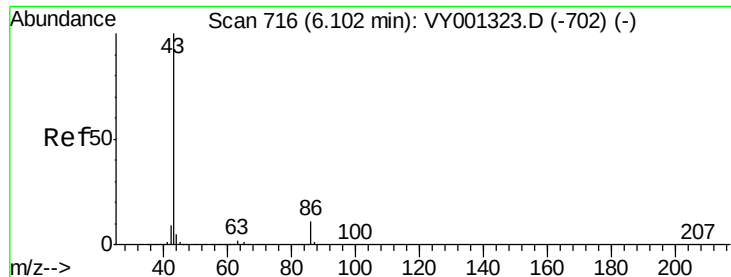
Abundance Ion 45.00 (44.70 to 45.70): VY001323.D (-706) (-)

Ion 43.00 (42.70 to 43.70): VY001323.D (-706) (-)

Ion 87.00 (86.70 to 87.70): VY001323.D (-706) (-)

Ion 59.00 (58.70 to 59.70): VY001323.D (-706) (-)





#23

Vinyl Acetate

Concen: 24.693 ug/l

RT: 6.10 min Scan# 715

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 109189

Ion Ratio Lower Upper

43 100

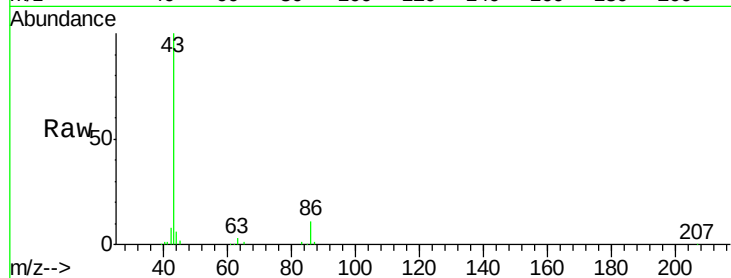
86 10.6 8.6 13.0

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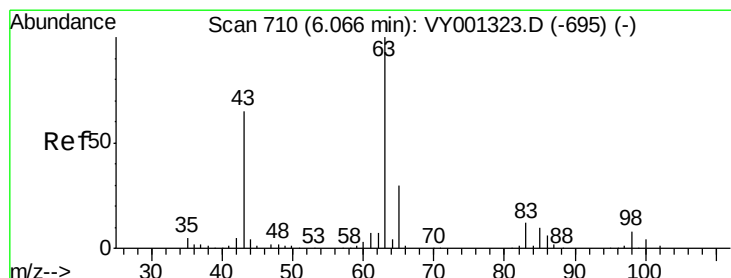
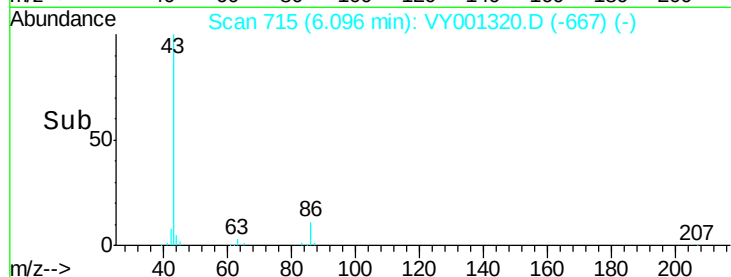
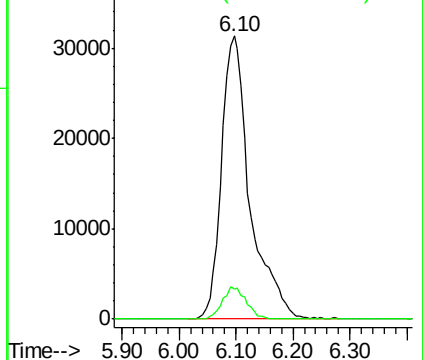
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 5.294 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

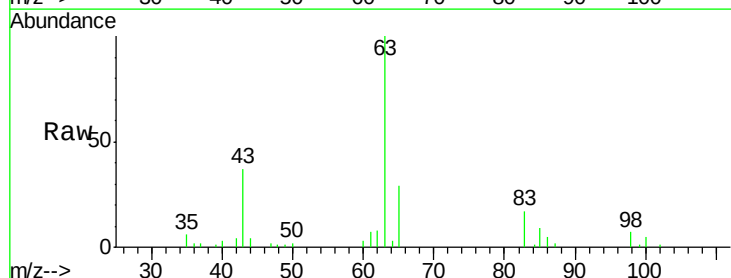
Tgt Ion: 63 Resp: 19881

Ion Ratio Lower Upper

63 100

98 7.1 4.0 12.0

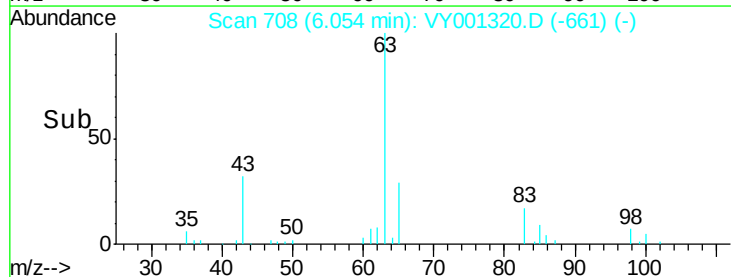
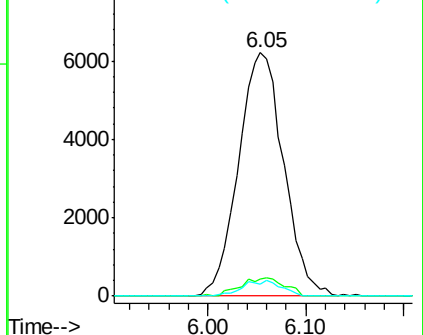
100 4.9 2.1 6.3

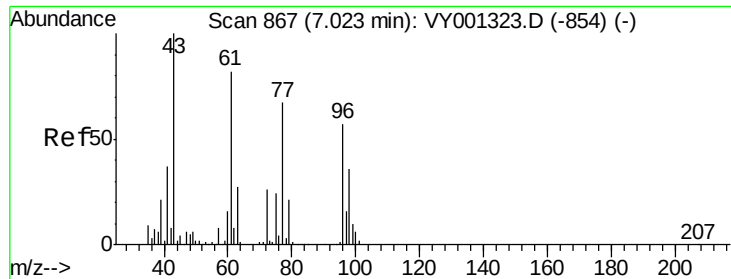


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





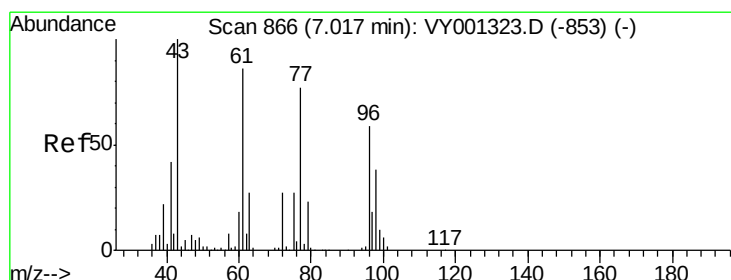
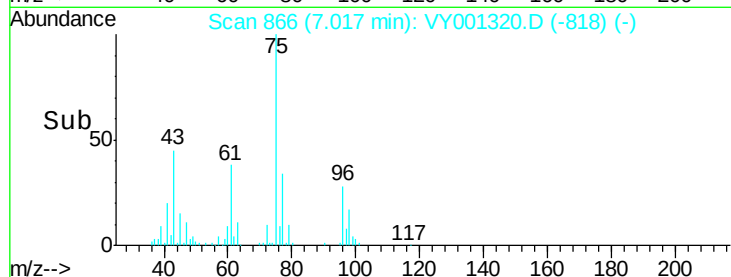
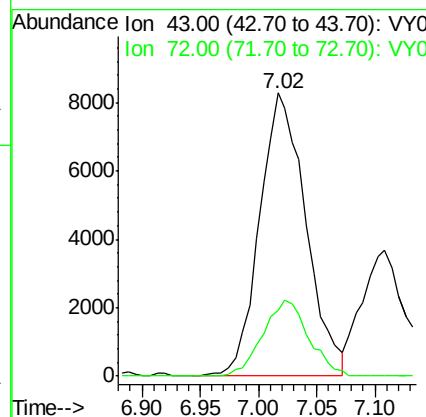
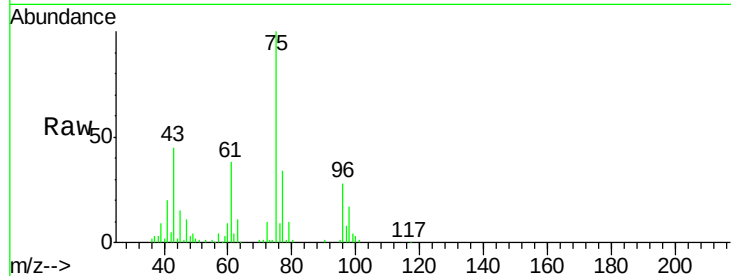
#25
2-Butanone
Concen: 30.048 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 22820
Ion Ratio Lower Upper
43 100
72 23.2 20.6 31.0

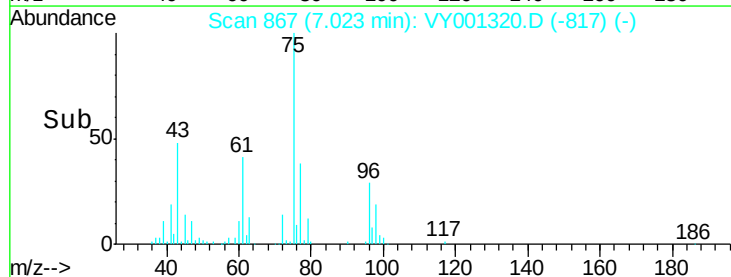
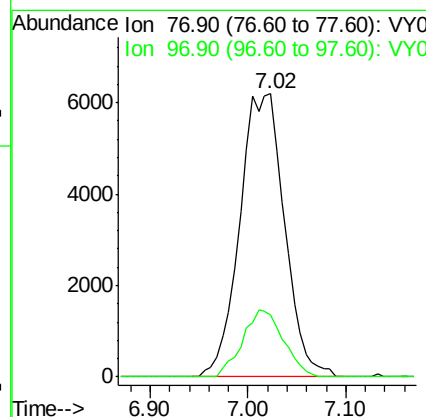
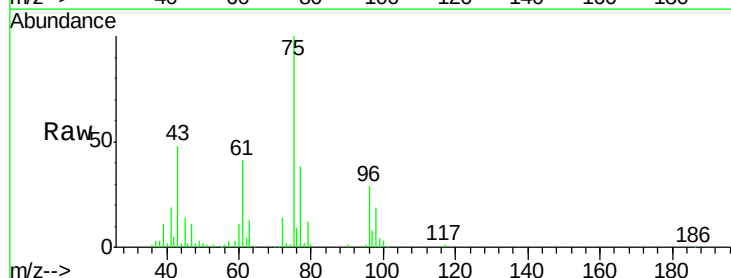
Manual Integrations
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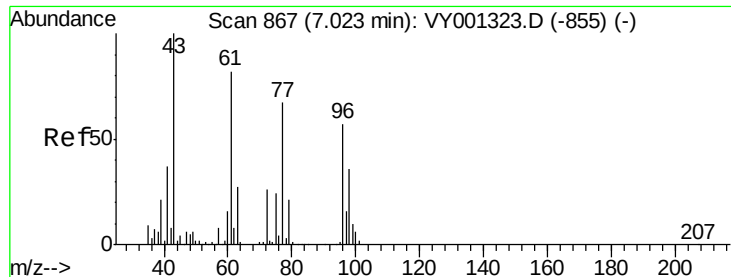
MMDadoda
1/22/2020 10:49:14 AM



#26
2,2-Dichloropropane
Concen: 5.731 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 77 Resp: 19665
Ion Ratio Lower Upper
77 100
97 21.5 11.9 35.5





#27

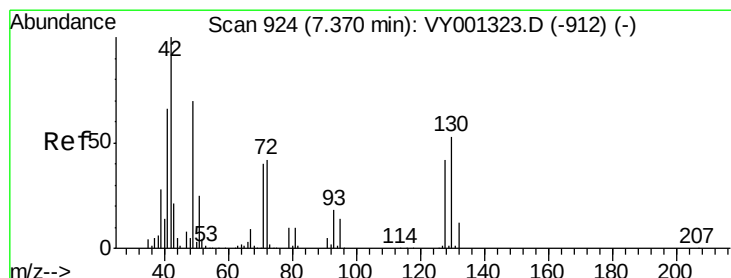
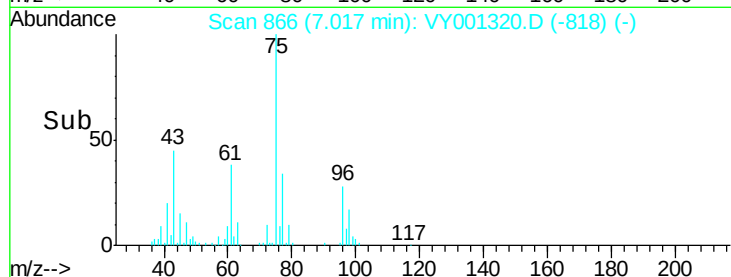
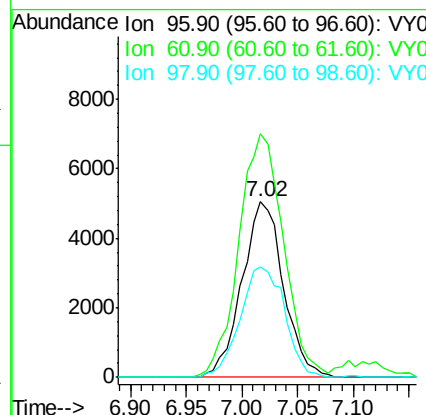
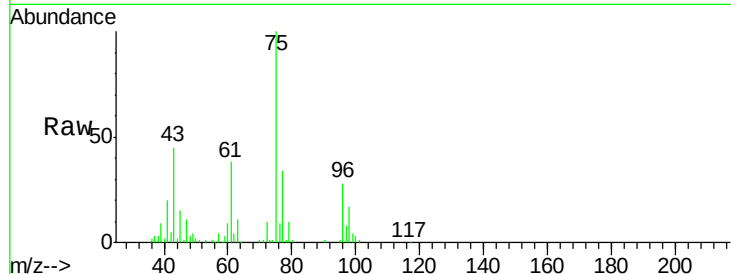
cis-1,2-Dichloroethene
Concen: 5.316 ug/l
RT: 7.02 min Scan# 866
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.4	0.0	284.8
98	67.5	0.0	128.4

Manual Integrations
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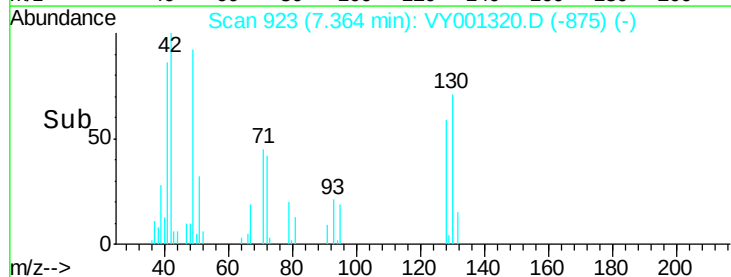
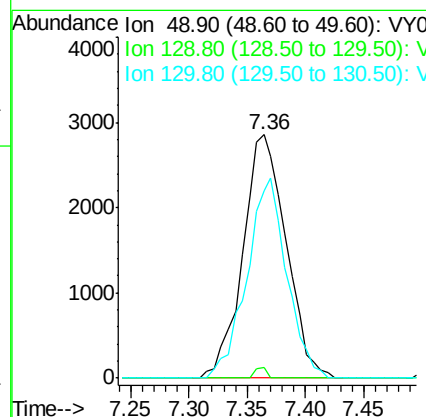
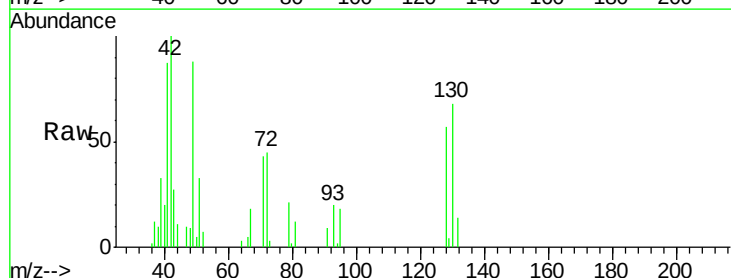
MMDadoda
1/22/2020 10:49:14 AM

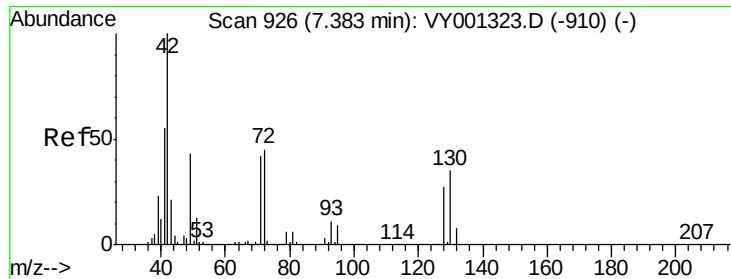


#28

Bromochloromethane
Concen: 4.816 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	75.8	58.9	88.3





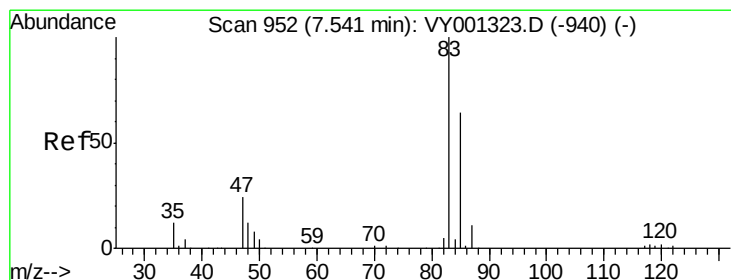
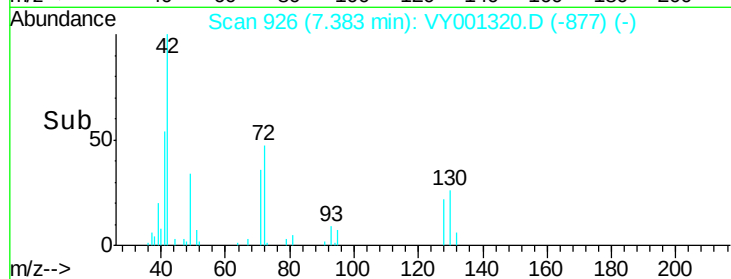
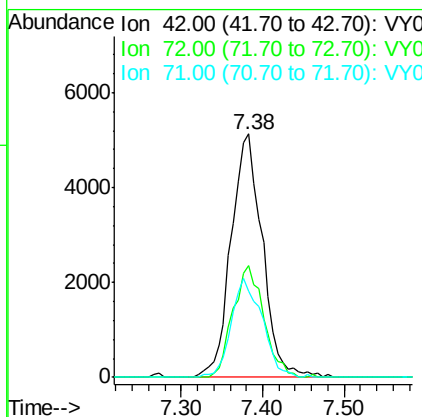
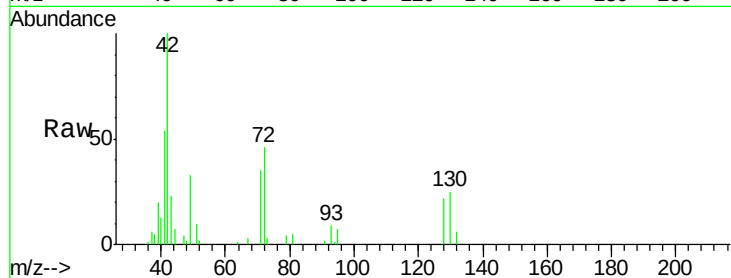
#29
Tetrahydrofuran
Concen: 26.453 ug/l
RT: 7.38 min Scan# 926
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.6	51.8
71	40.0	32.6	48.8

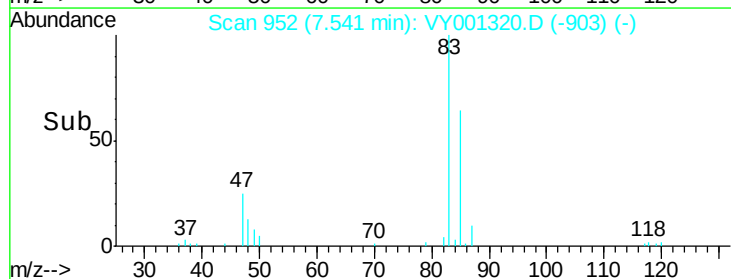
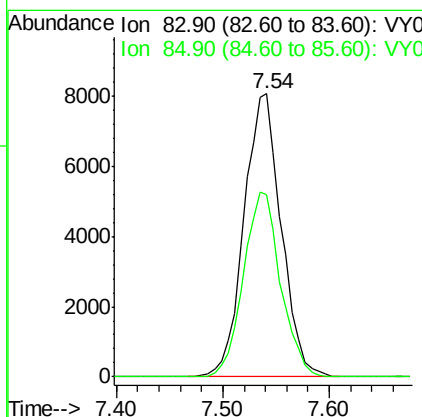
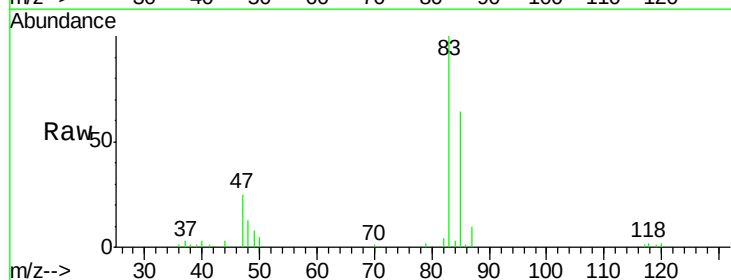
Manual Integrations
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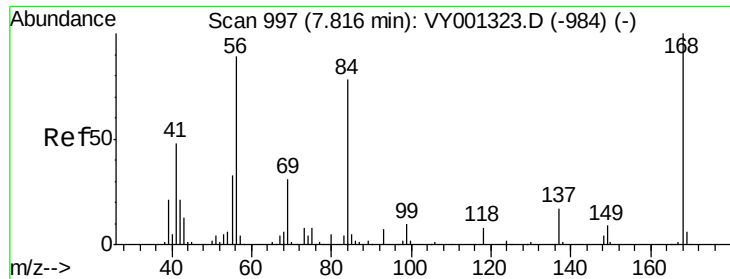
MMDadoda
1/22/2020 10:49:14 AM



#30
Chloroform
Concen: 5.401 ug/l
RT: 7.54 min Scan# 952
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.5	77.3





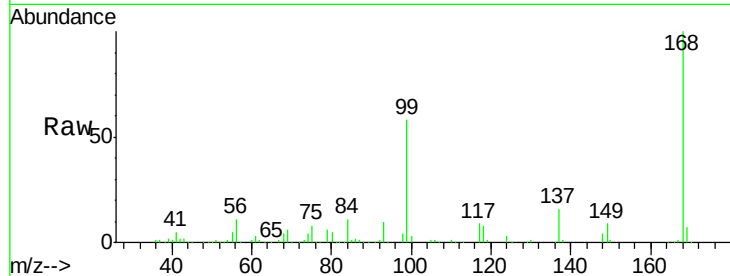
#31
Cyclohexane
Concen: 5.749 ug/l
RT: 7.82 min Scan# 997
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

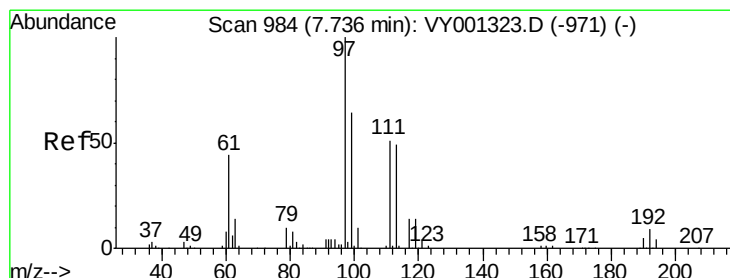
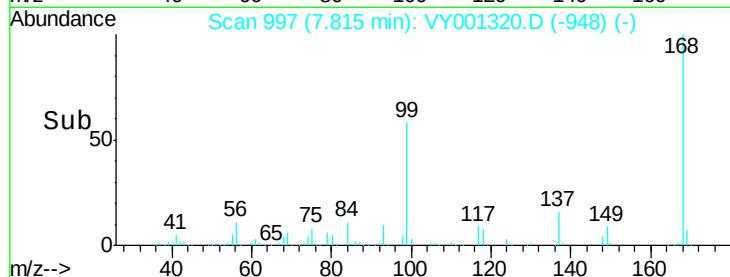
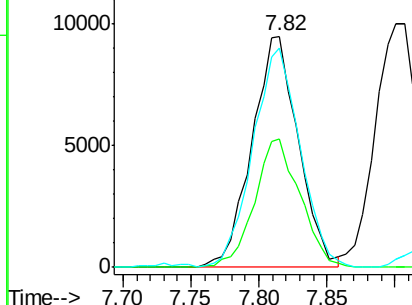
Tot Ion	Ratio	Lower	Upper
56	100		
69	55.3	27.6	41.4#
84	93.4	69.7	104.5

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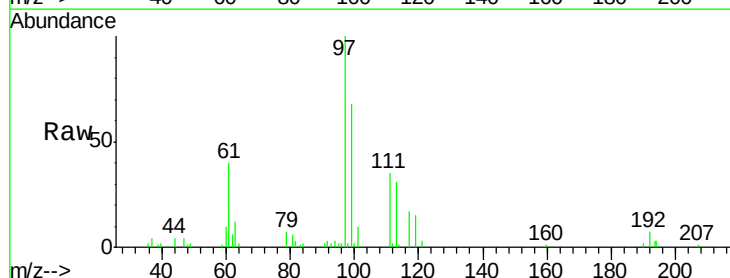


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

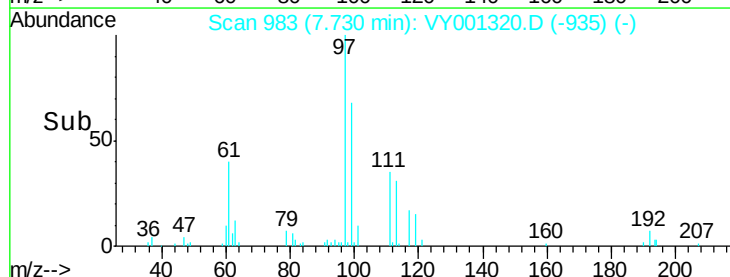
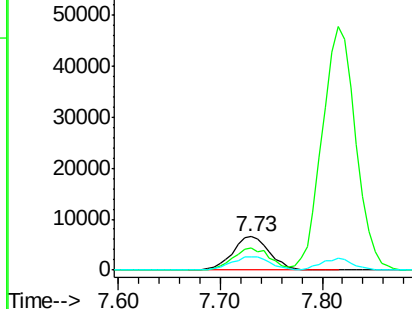


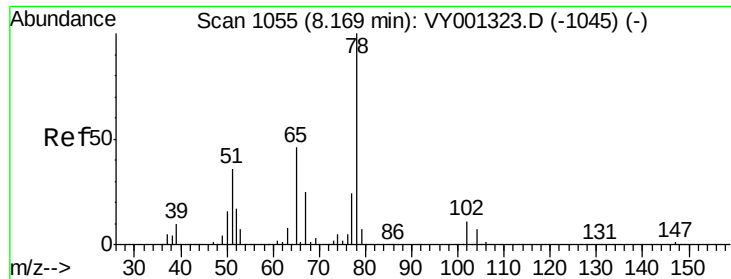
#32
1,1,1-Trichloroethane
Concen: 5.141 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.3	76.9
61	42.5	35.9	53.9



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





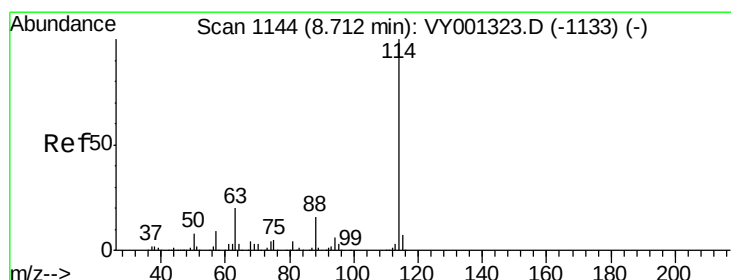
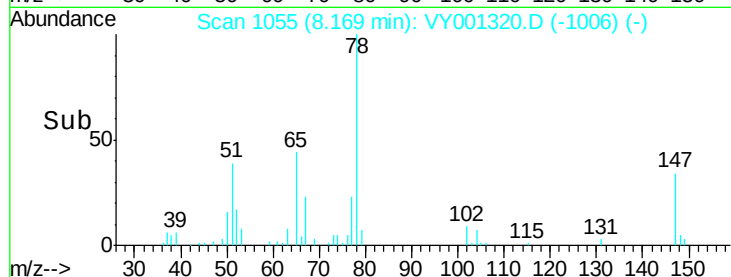
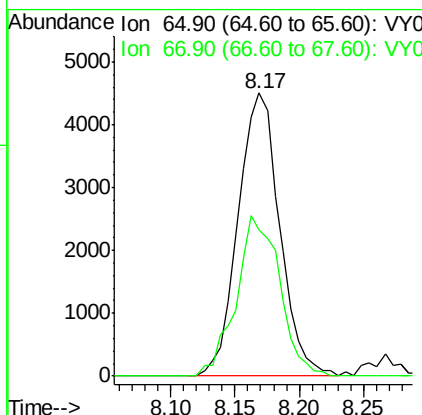
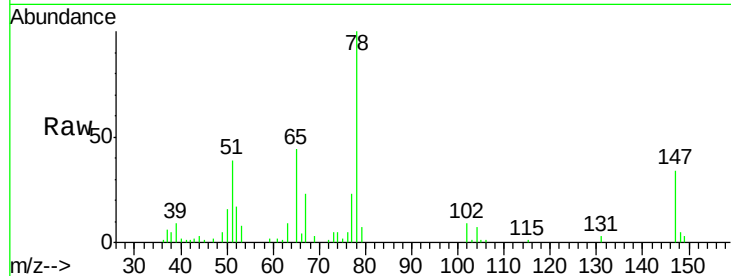
#33
 1,2-Dichloroethane-d4
 Concen: 4.953 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	59.1	0.0	108.6

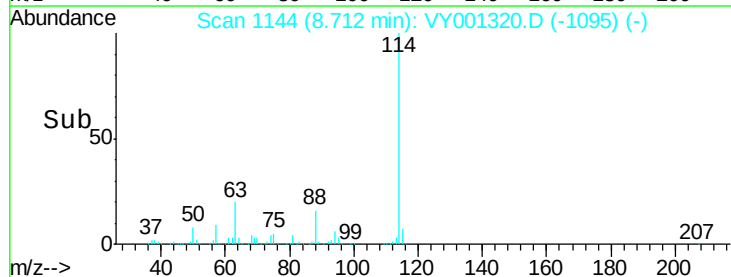
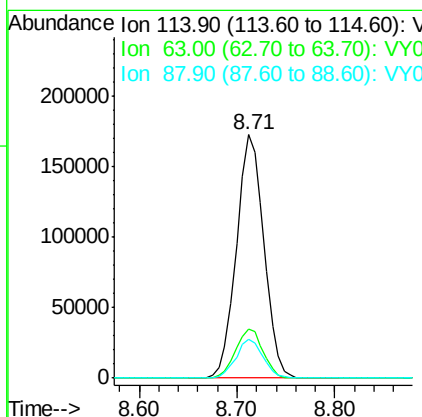
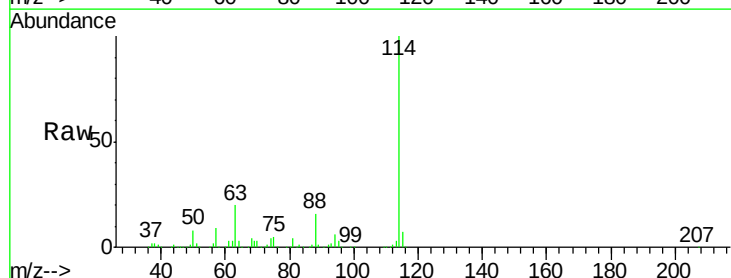
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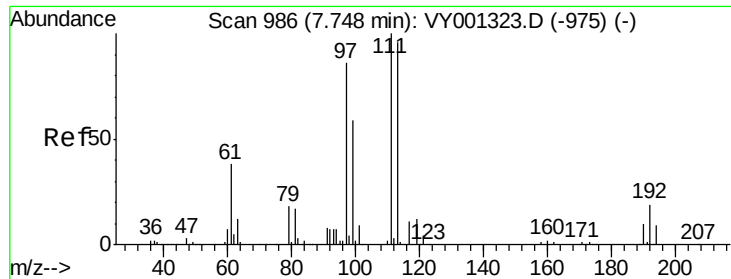
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 1/22/2020 10:49:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.8
88	15.9	0.0	31.0





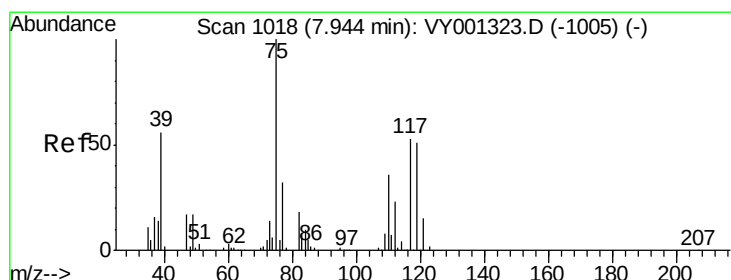
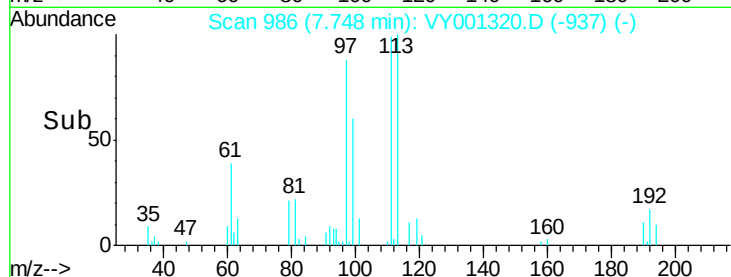
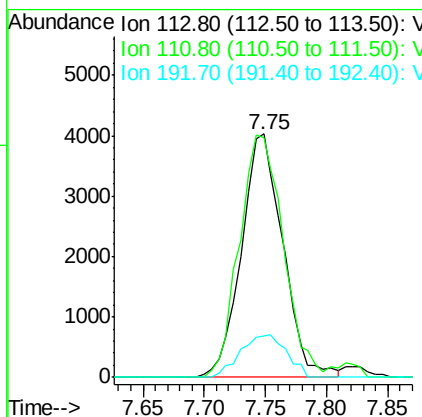
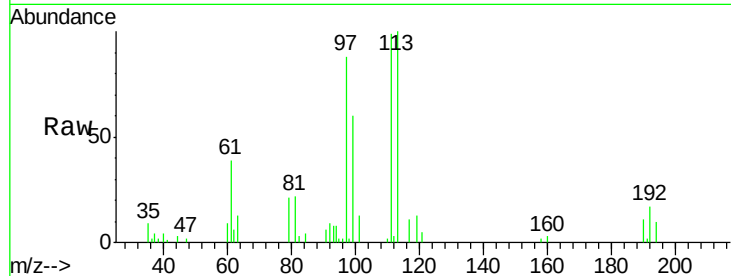
#35
Dibromofluoromethane
Concen: 4.813 ug/l
RT: 7.75 min Scan# 986
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:113 Resp: 9471
Ion Ratio Lower Upper
113 100
111 105.4 82.8 124.2
192 19.3 15.5 23.3

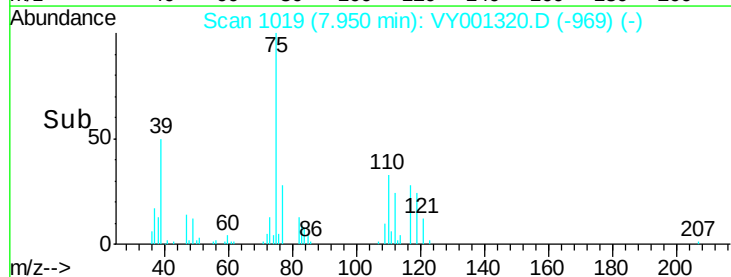
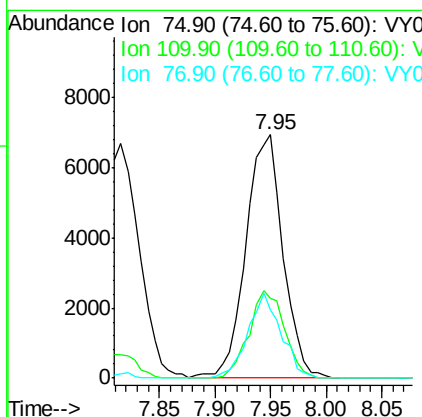
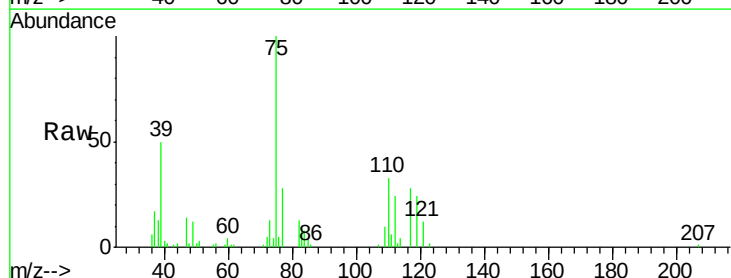
Manual Integrations
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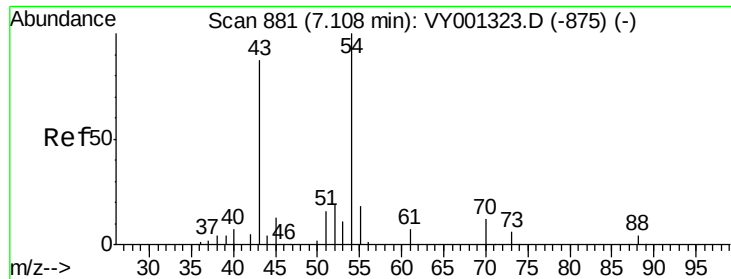
MMDadoda
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#36
1,1-Dichloropropene
Concen: 5.263 ug/l
RT: 7.95 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 75 Resp: 16164
Ion Ratio Lower Upper
75 100
110 34.3 17.6 52.8
77 31.2 24.7 37.1





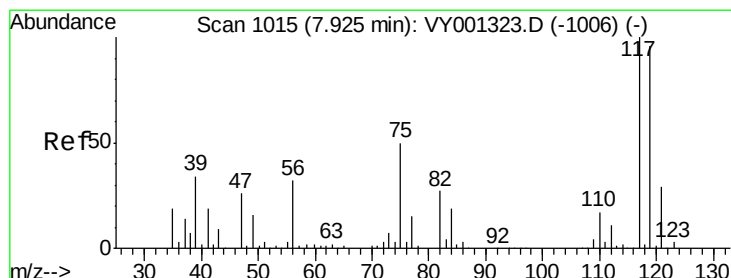
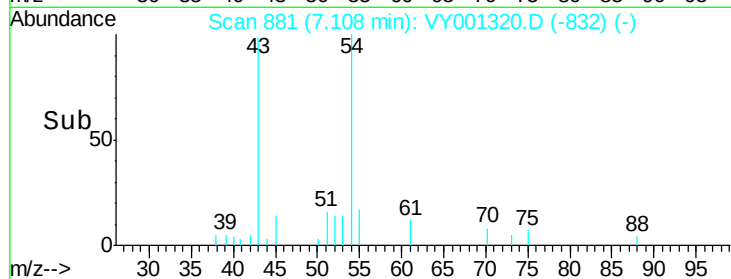
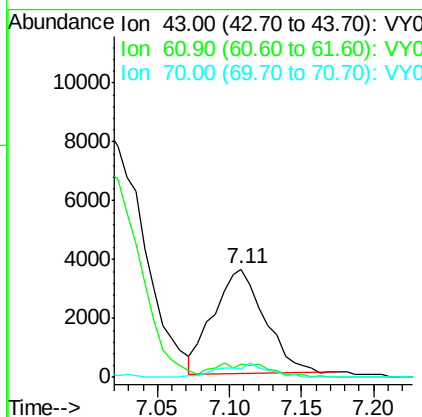
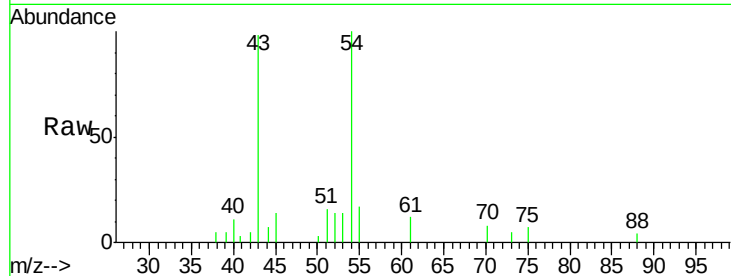
#37
Ethyl Acetate
Concen: 4.812 ug/l
RT: 7.11 min Scan# 881
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 8778
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9#
70 12.1 8.7 13.1

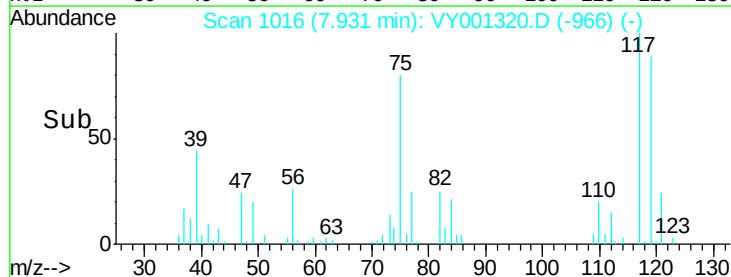
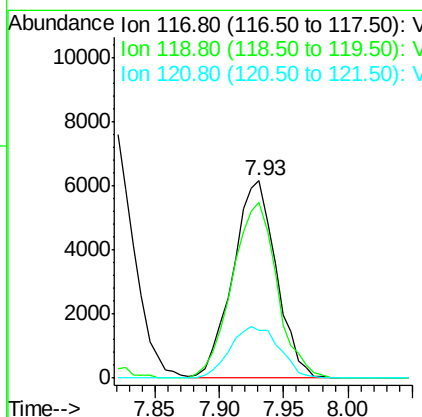
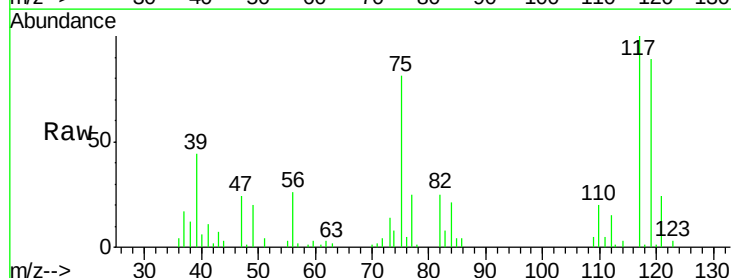
Manual Integrations
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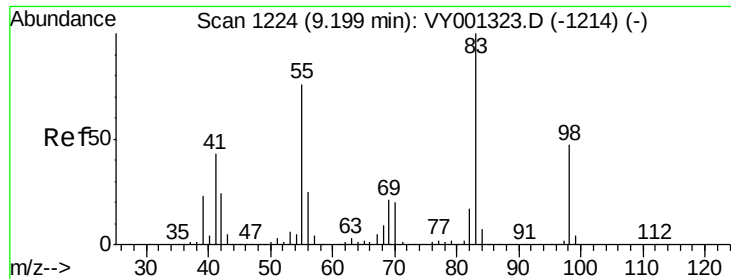
MMDadoda
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#38
Carbon Tetrachloride
Concen: 5.146 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 117 Resp: 14442
Ion Ratio Lower Upper
117 100
119 89.0 76.3 114.5
121 24.4 23.5 35.3





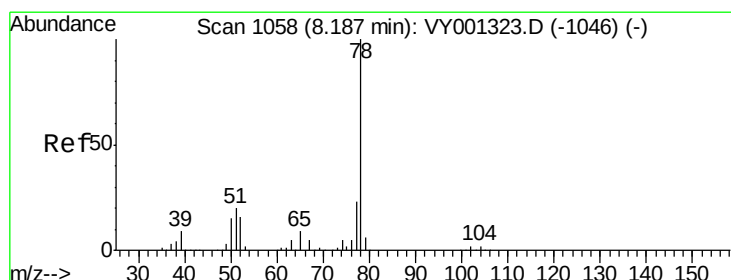
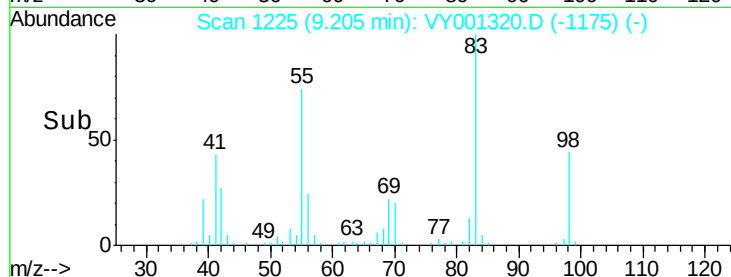
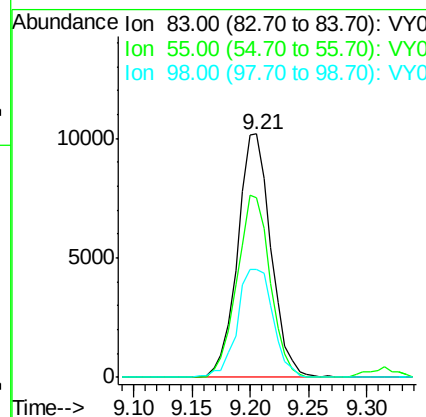
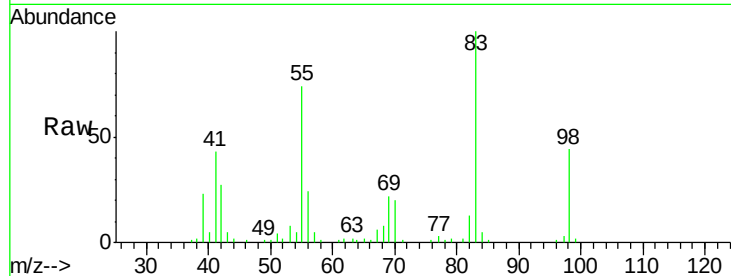
#39
Methylvlcyclohexane
Concen: 4.920 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	60.7	91.1
98	44.1	37.8	56.8

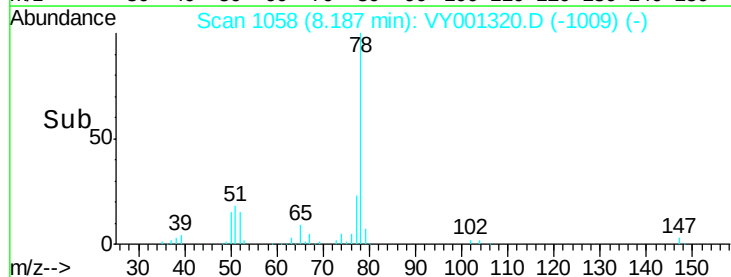
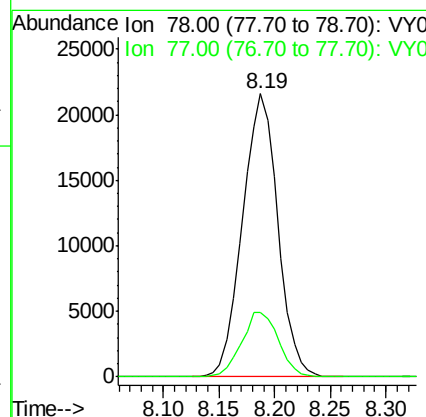
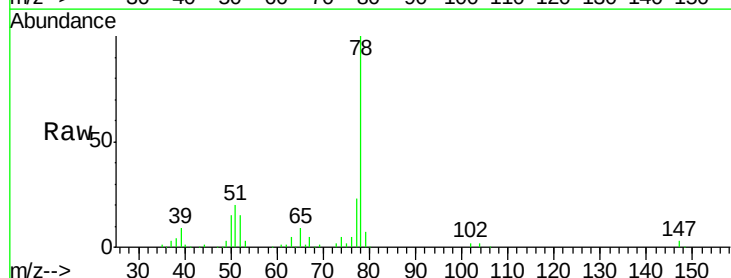
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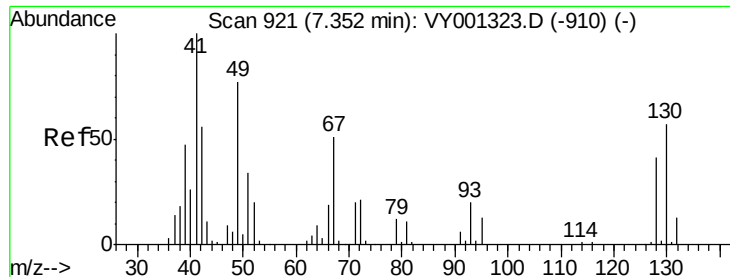
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#40
Benzene
Concen: 5.278 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	27.8





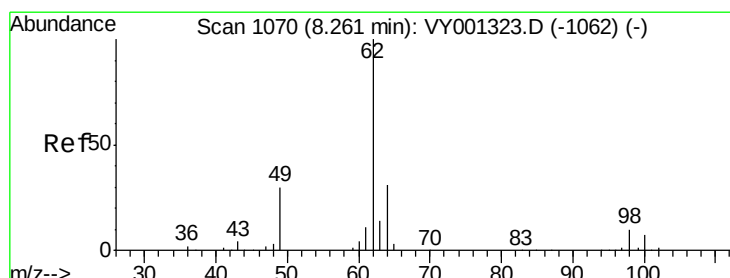
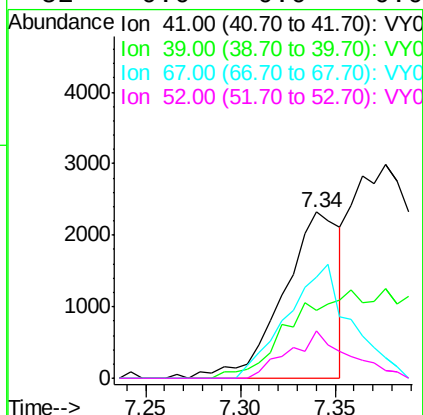
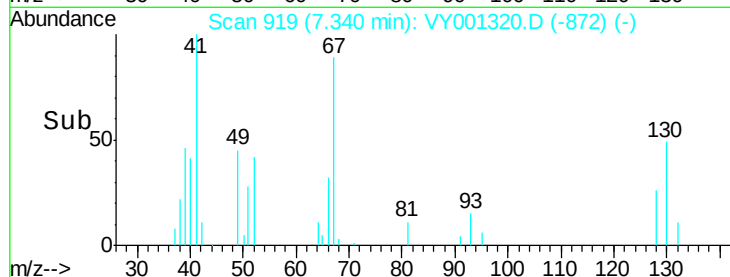
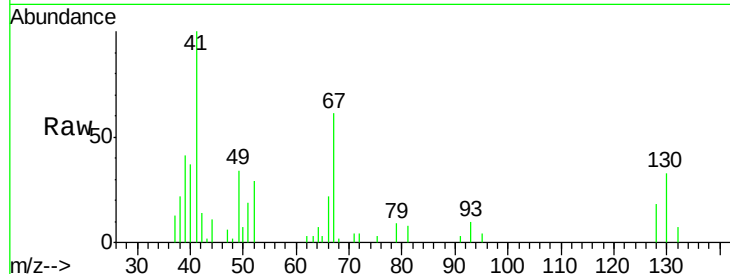
#41
Methacrylonitrile
Concen: 5.615 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	4829
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

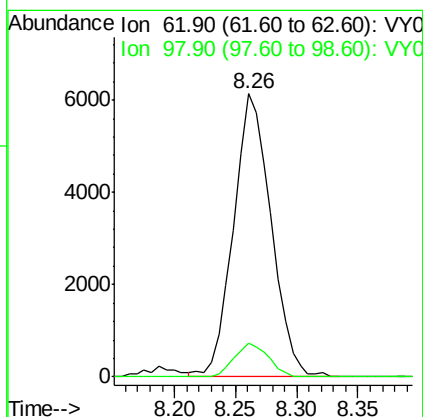
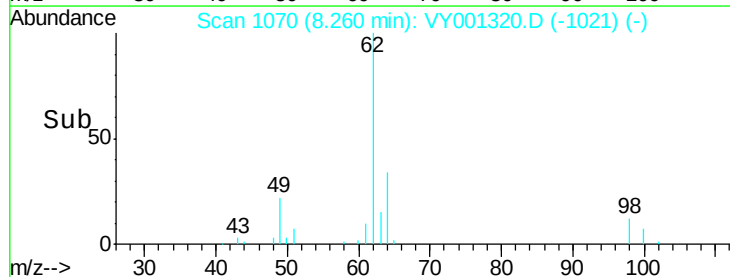
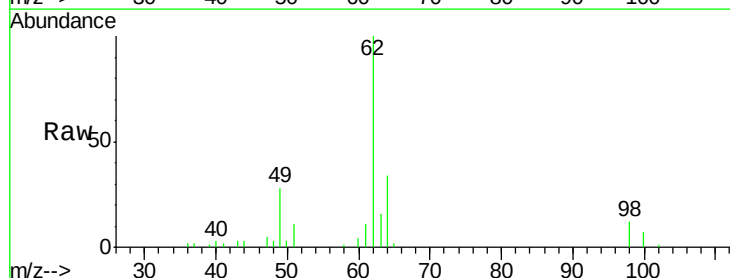
Manual Integrations
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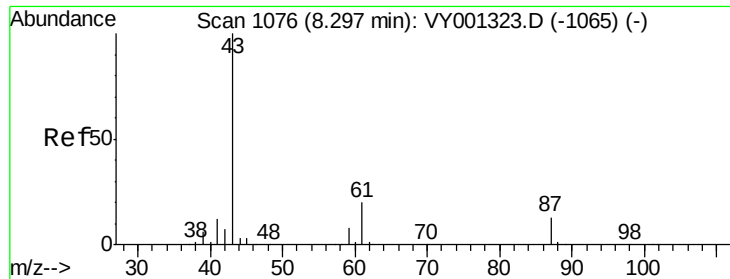
MMDadoda
1/22/2020 10:49:14 AM



#42
1,2-Dichloroethane
Concen: 5.193 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion:	62	Resp:	13104
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	20.8





#43

Isopropyl Acetate

Concen: 4.926 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

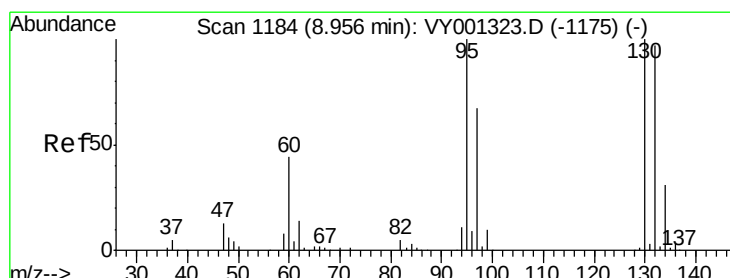
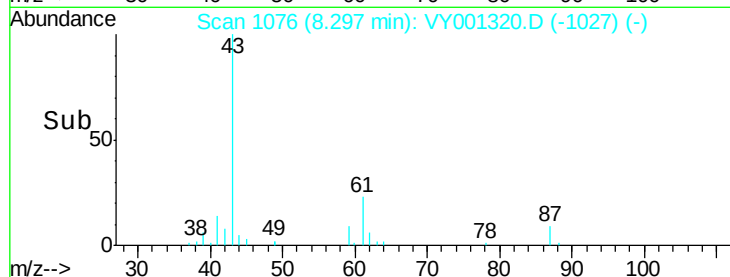
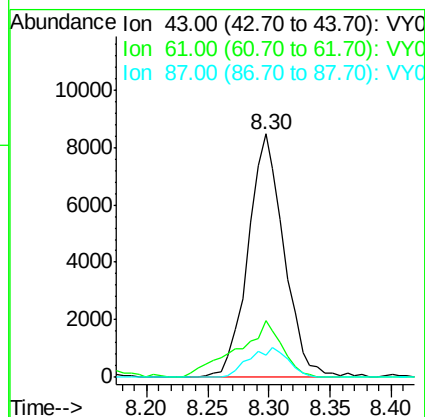
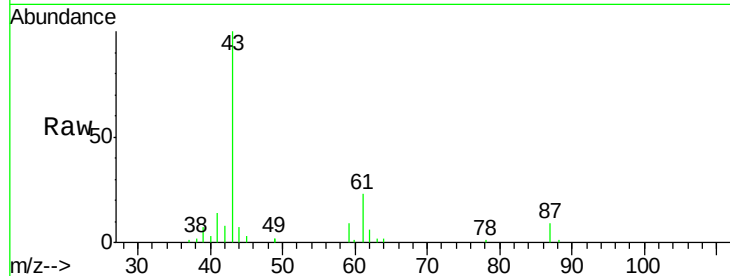
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	17241
Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.7	34.1
87	13.3	11.0	16.4

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#44

Trichloroethene

Concen: 5.451 ug/l

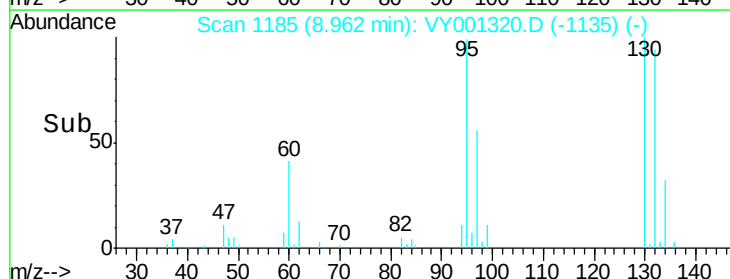
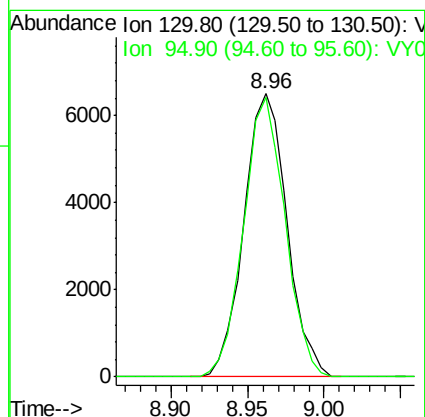
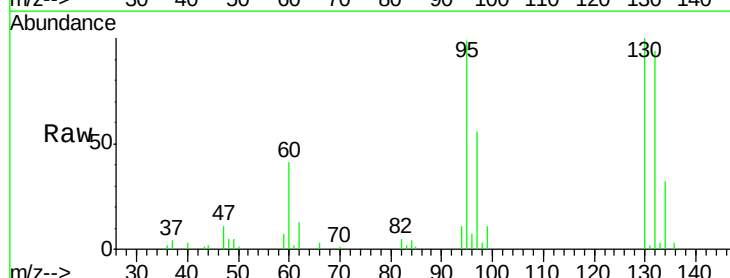
RT: 8.96 min Scan# 1185

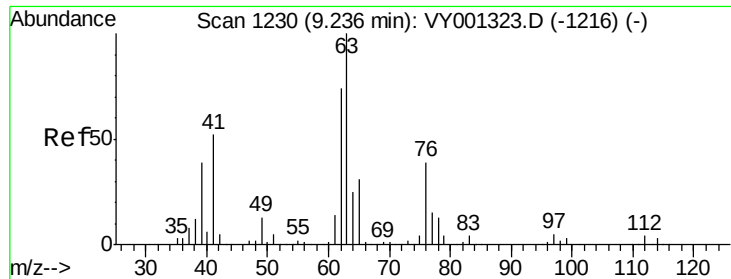
Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Tgt Ion:	130	Resp:	12712
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	200.0





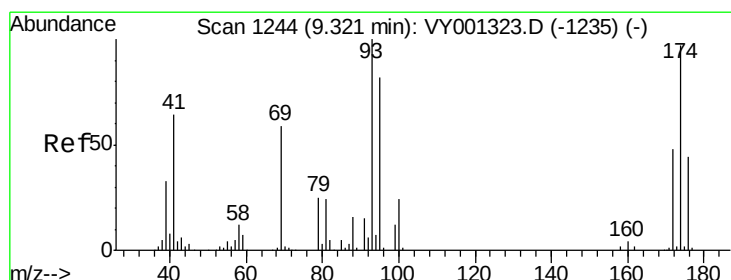
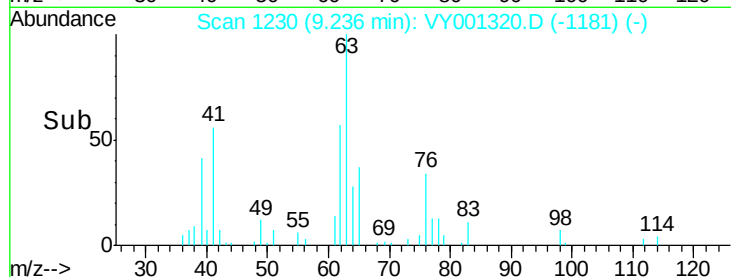
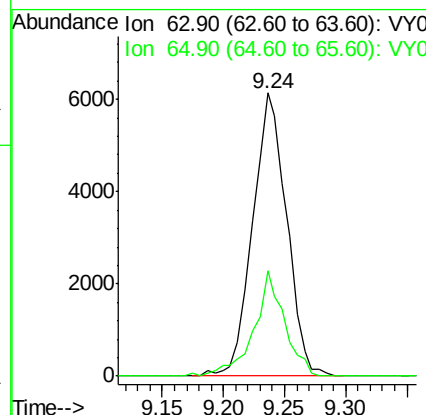
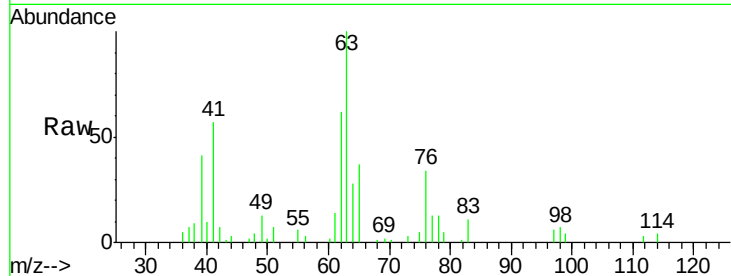
#45
 1,2-Dichloropropane
 Concen: 5.294 ug/l
 RT: 9.24 min Scan# 1230
 Delta R.T. -0.00 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 11871
 Ion Ratio Lower Upper
 63 100
 65 37.5 24.9 37.3#

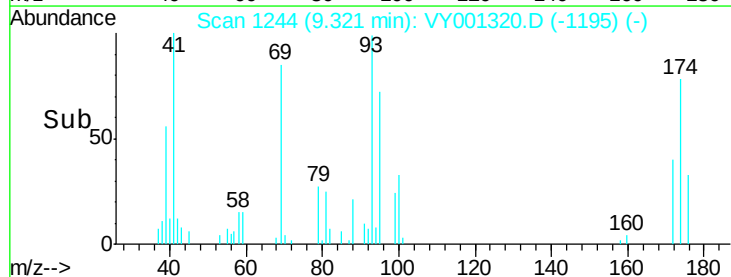
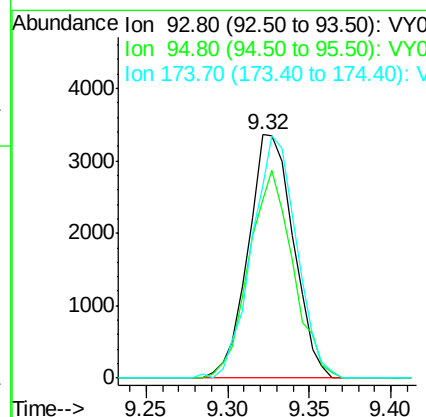
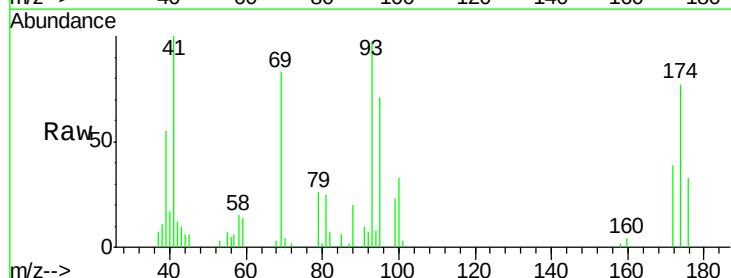
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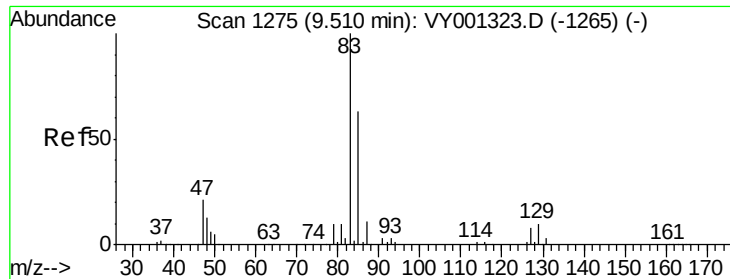
MMDadoda
 1/22/2020 10:49:14 AM



#46
 Dibromomethane
 Concen: 5.314 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.00 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion: 93 Resp: 6460
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.5 99.7
 174 97.8 77.9 116.9





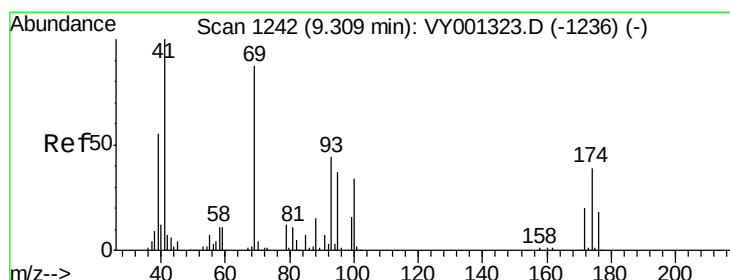
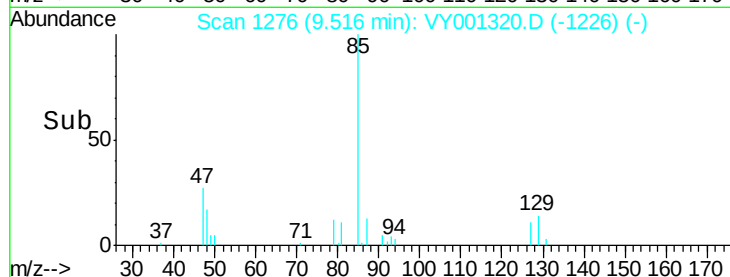
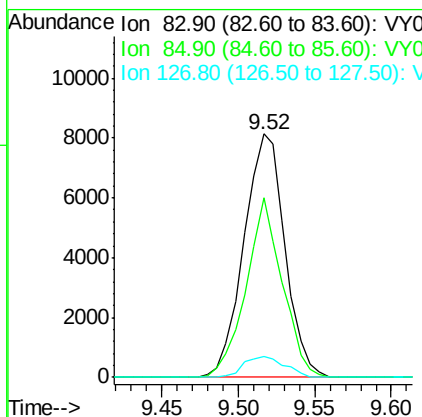
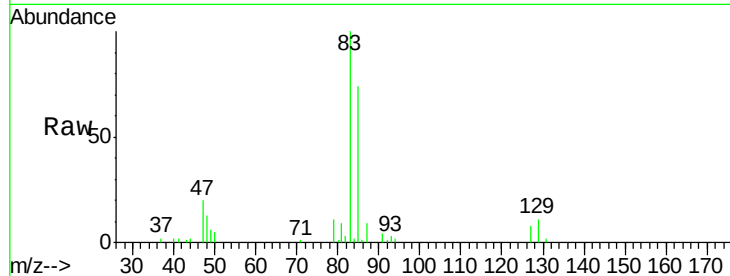
#47
Bromodichloromethane
Concen: 5.122 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	15138
Ion Ratio	100	Lower	Upper
83	100		
85	74.0	50.2	75.2
127	8.4	6.4	9.6

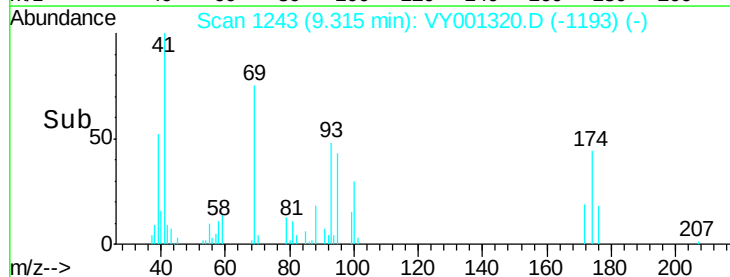
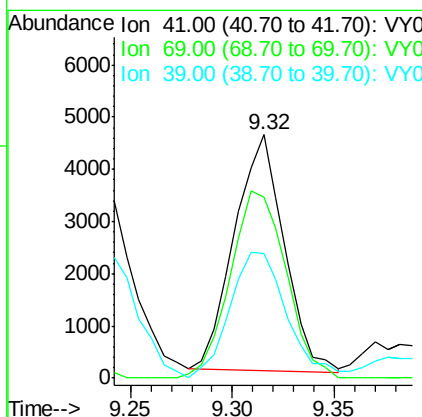
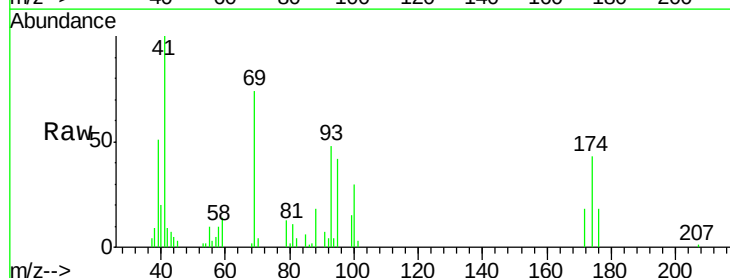
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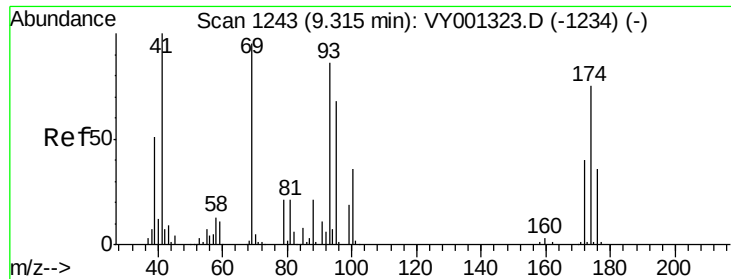
MMDadoda
1/22/2020 10:49:14 AM



#48
Methyl methacrylate
Concen: 4.781 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	41	Resp	7691
Ion Ratio	100	Lower	Upper
41	100		
69	88.4	70.2	105.4
39	61.2	45.7	68.5





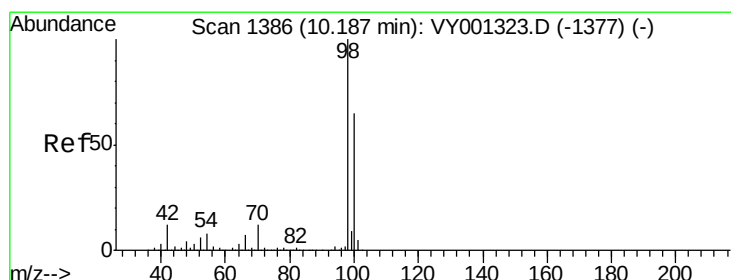
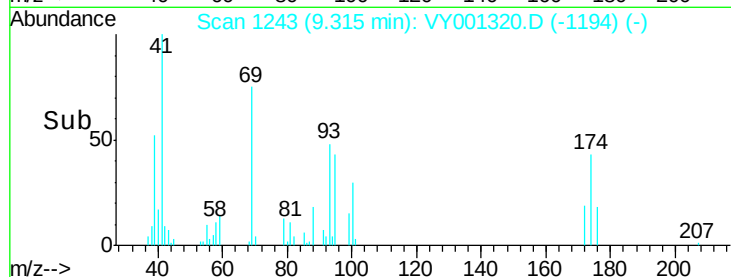
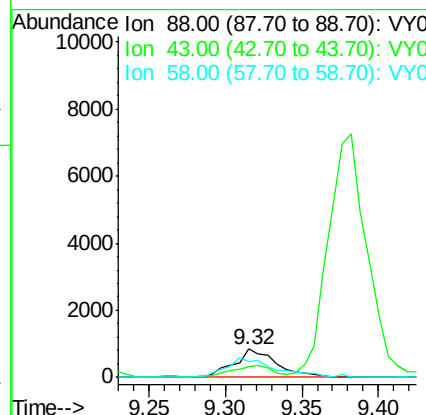
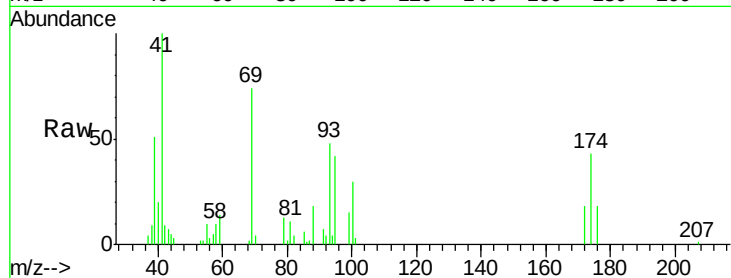
#49
1,4-Dioxane
Concen: 108.103 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.5	28.2	42.2
58	79.0	55.6	83.4

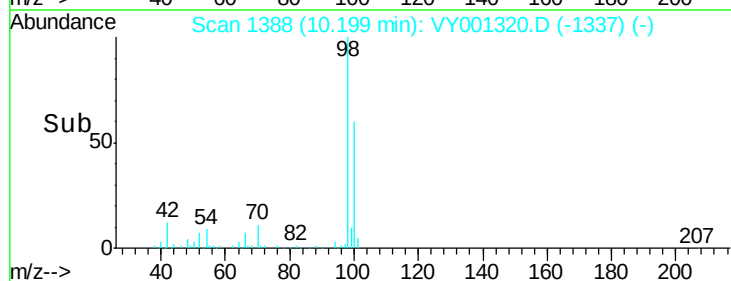
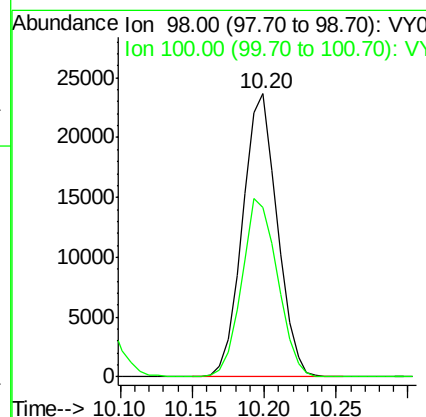
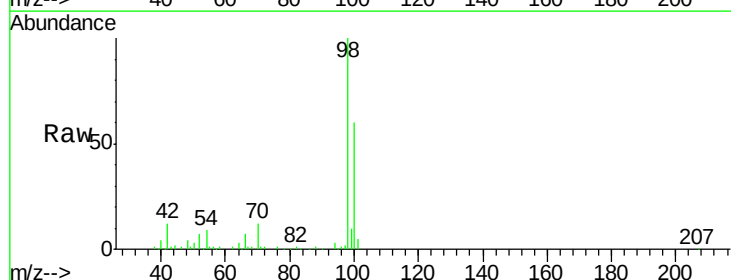
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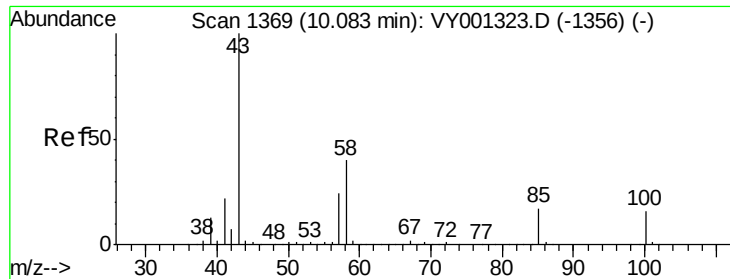
MMDadoda
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#50
Toluene-d8
Concen: 5.221 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0





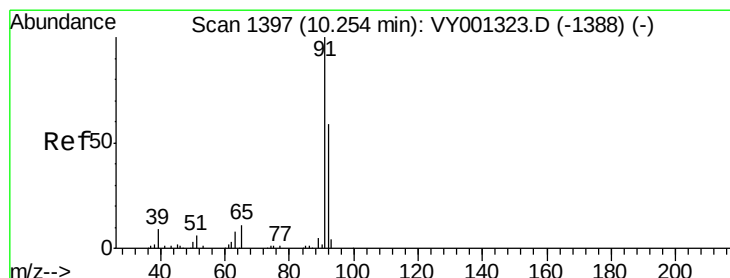
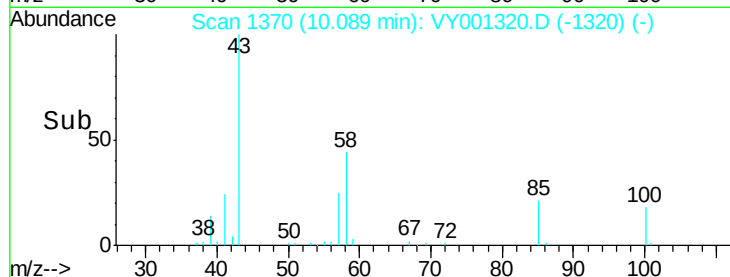
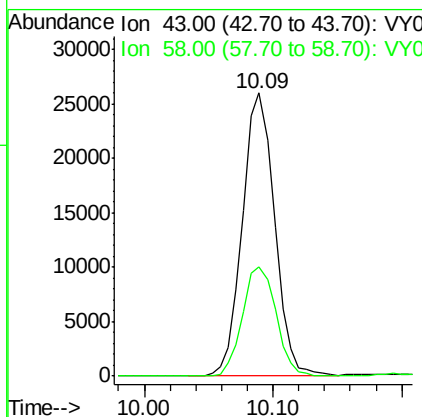
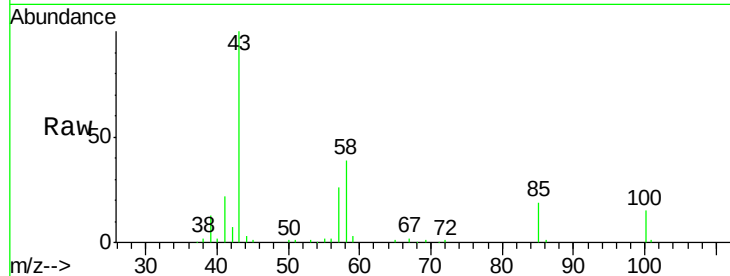
#51
4-Methyl-2-Pentanone
Concen: 25.404 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.5	47.3

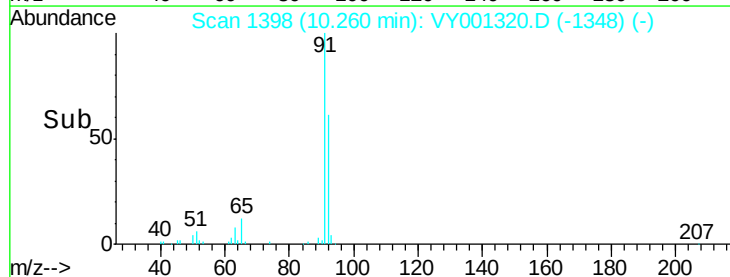
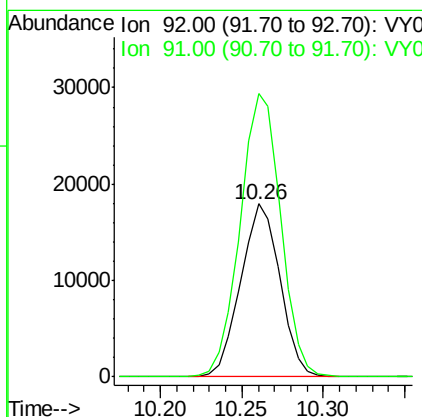
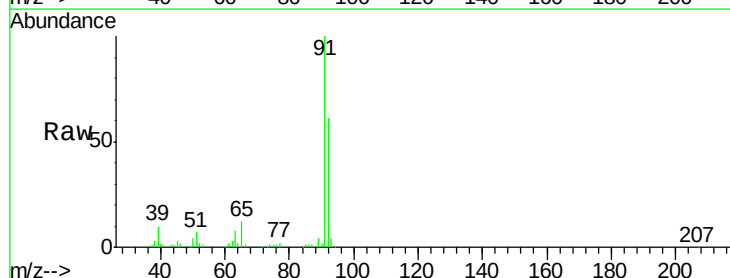
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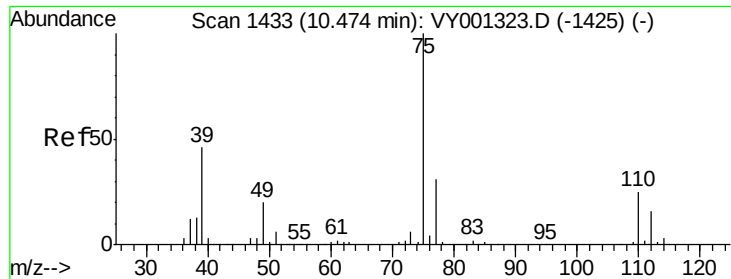
MMDadoda
1/22/2020 10:49:14 AM



#52
Toluene
Concen: 5.256 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.4	204.6





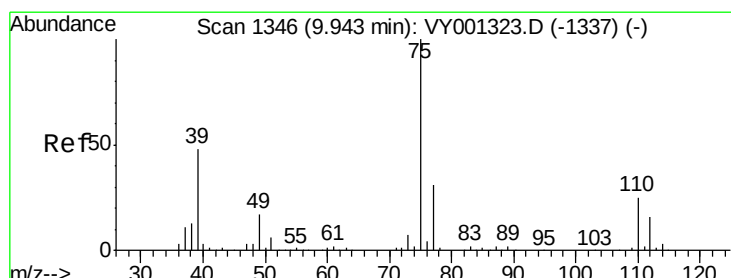
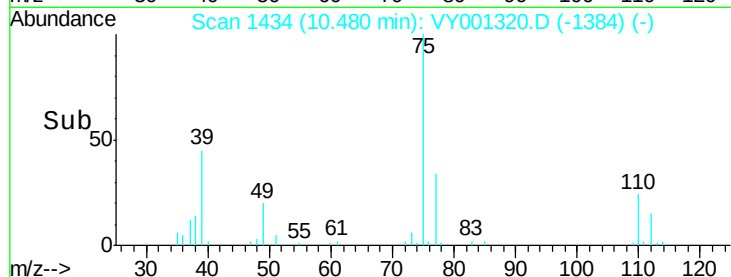
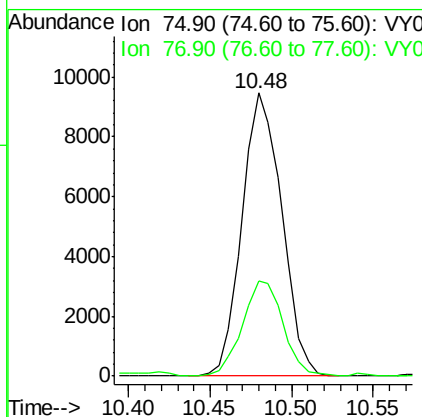
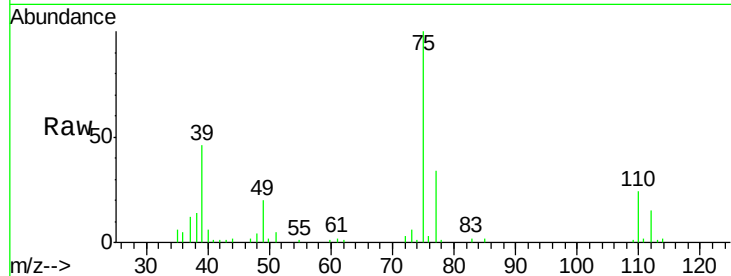
#53
 t-1,3-Dichloropropene
 Concen: 4.853 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 16063
 Ion Ratio Lower Upper
 75 100
 77 33.7 25.2 37.8

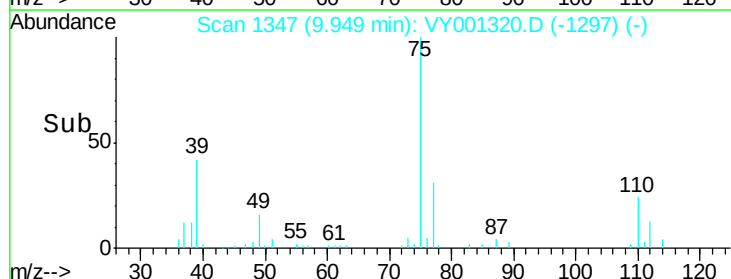
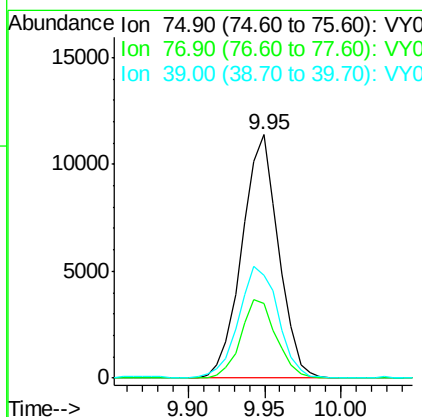
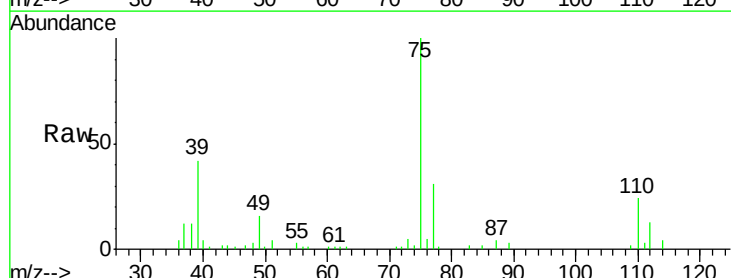
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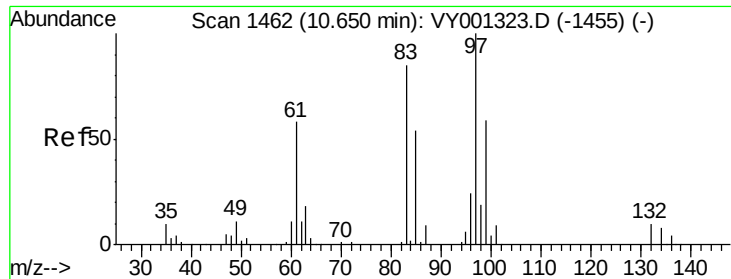
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 5.049 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion: 75 Resp: 18864
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.6
 39 42.3 38.2 57.4





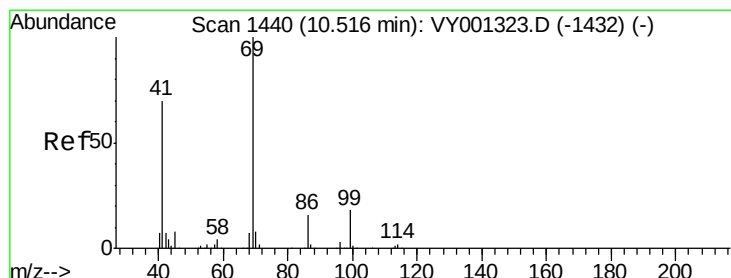
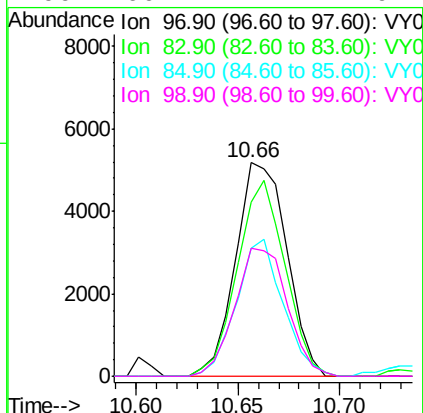
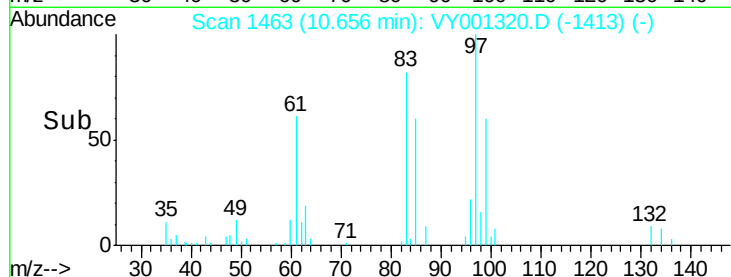
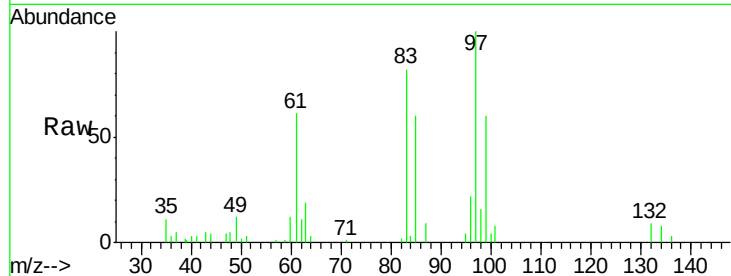
#55
 1,1,2-Trichloroethane
 Concen: 5.007 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9054
Ion	Ratio	Lower	Upper
97	100		
83	81.5	68.0	102.0
85	59.9	43.6	65.4
99	60.2	47.1	70.7

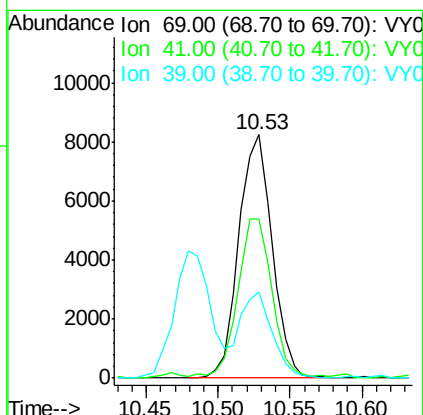
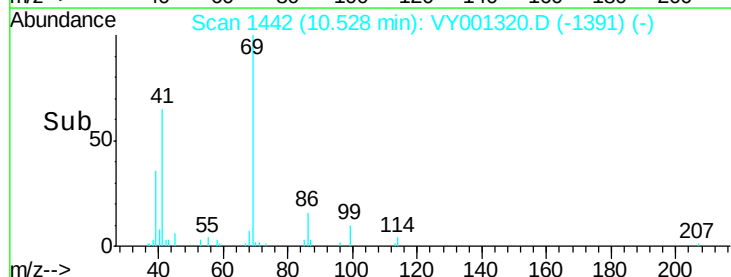
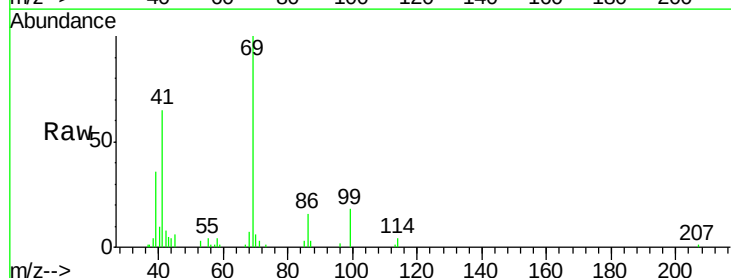
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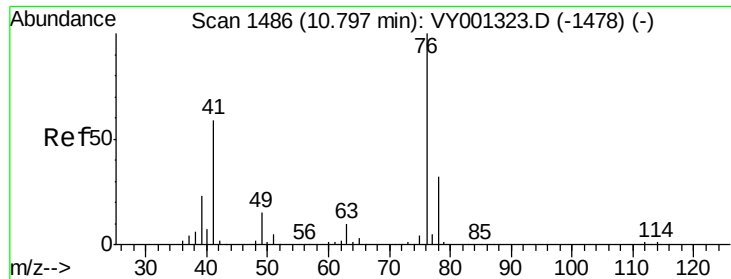
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.823 ug/l
 RT: 10.53 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion:	69	Resp:	13304
Ion	Ratio	Lower	Upper
69	100		
41	65.3	54.1	81.1
39	35.0	26.8	40.2





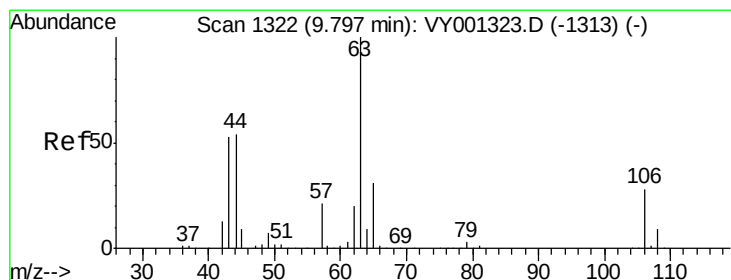
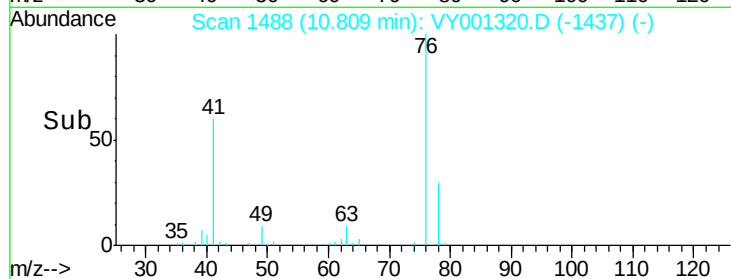
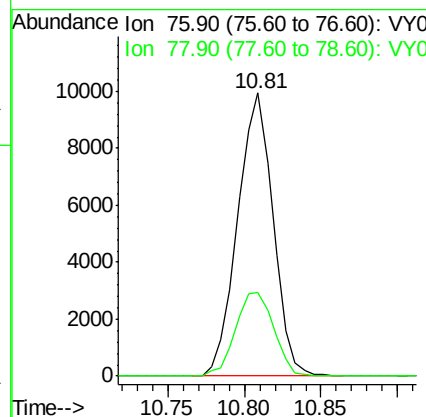
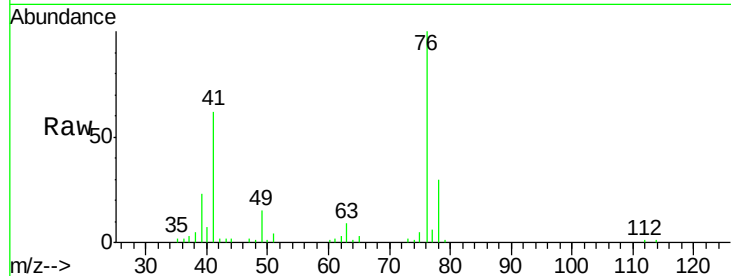
#57
 1,3-Dichloropropane
 Concen: 5.147 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 15971
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8

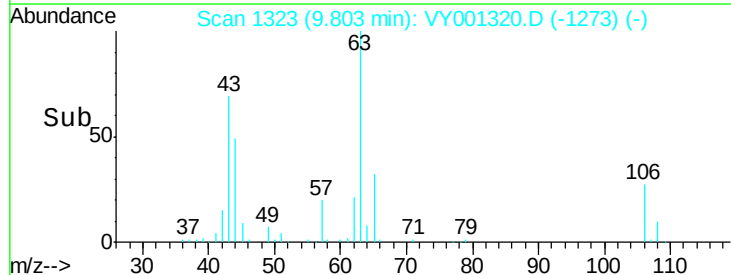
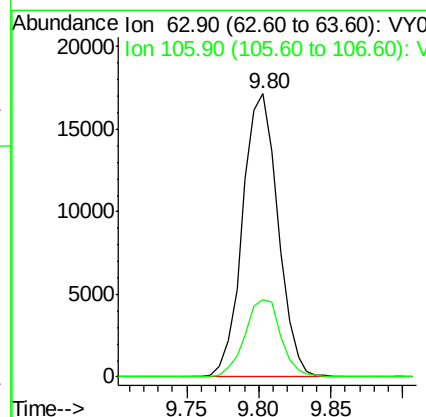
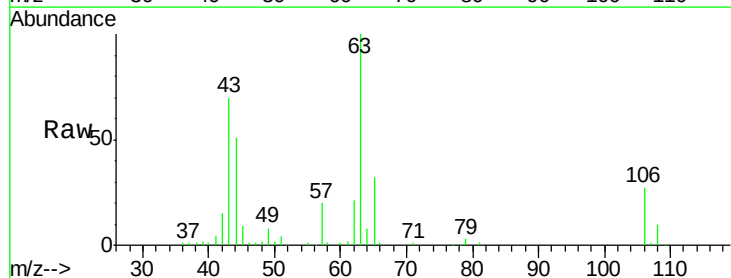
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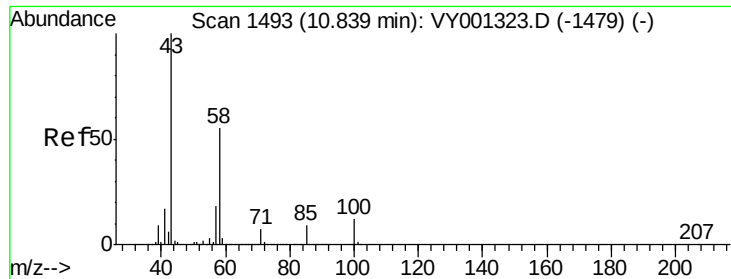
MMDadoda
 1/22/2020 10:49:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 30.436 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion: 63 Resp: 29181
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.5 33.7





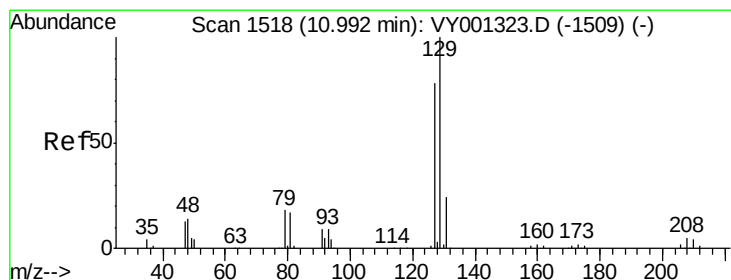
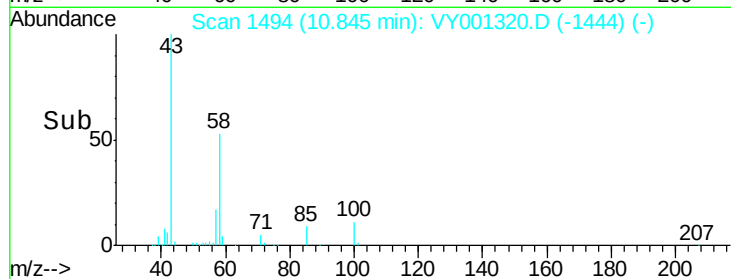
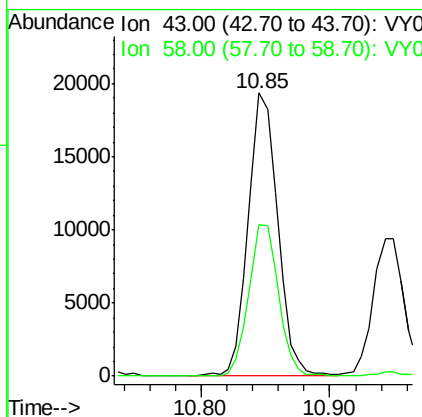
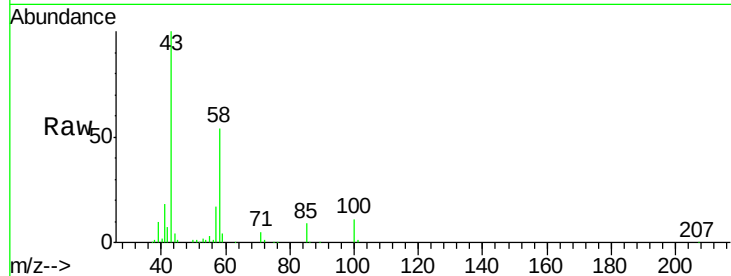
#59
2-Hexanone
Concen: 24.604 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30655
Ion Ratio Lower Upper
43 100
58 53.9 27.6 82.8

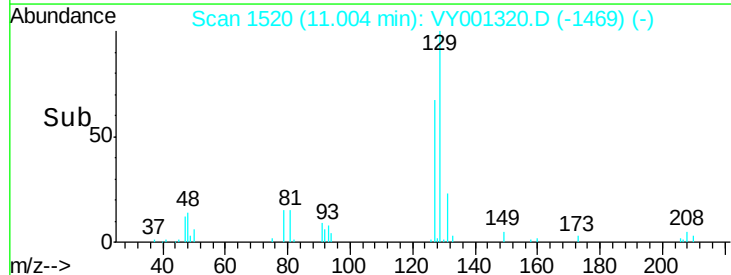
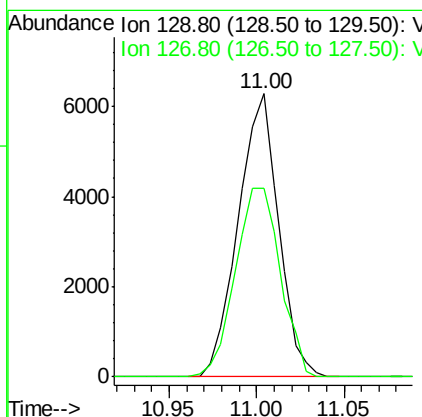
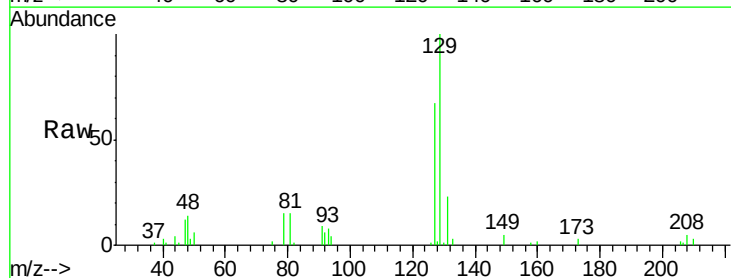
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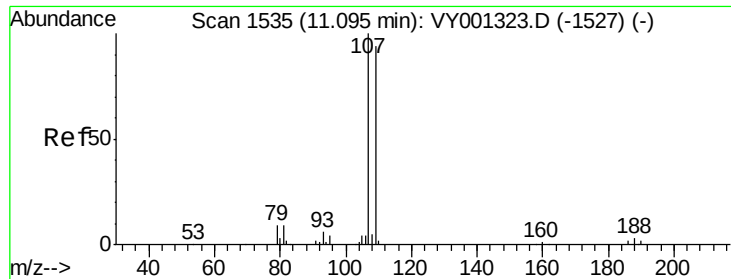
MMDadoda
1/22/2020 10:49:14 AM



#60
Dibromochloromethane
Concen: 4.882 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 129 Resp: 10076
Ion Ratio Lower Upper
129 100
127 74.5 38.8 116.4





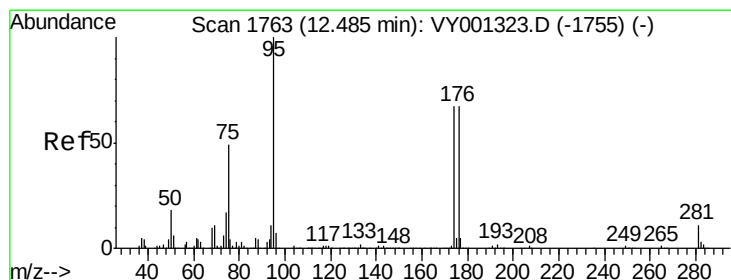
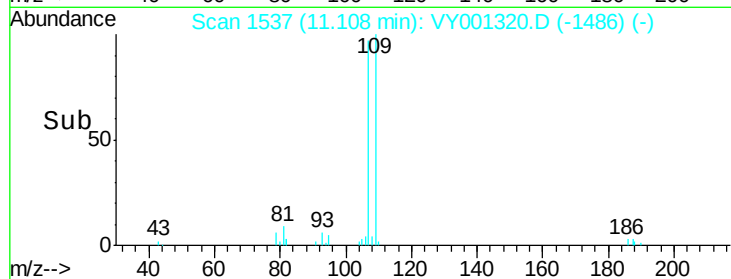
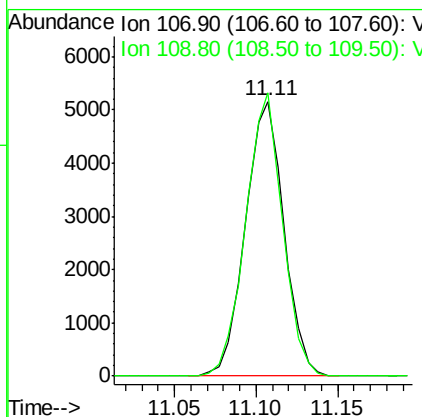
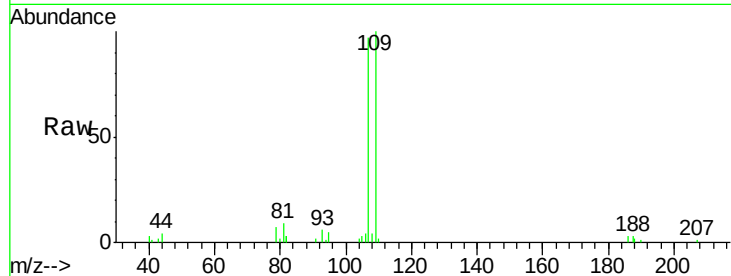
#61
1,2-Dibromoethane
Concen: 4.823 ug/l
RT: 11.11 min Scan# 1537
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 107 Resp: 8472
Ion Ratio Lower Upper
107 100
109 98.9 75.0 112.6

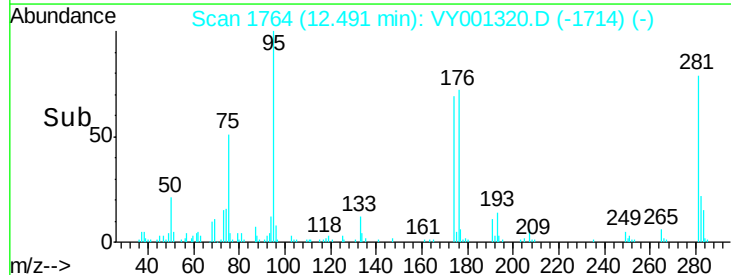
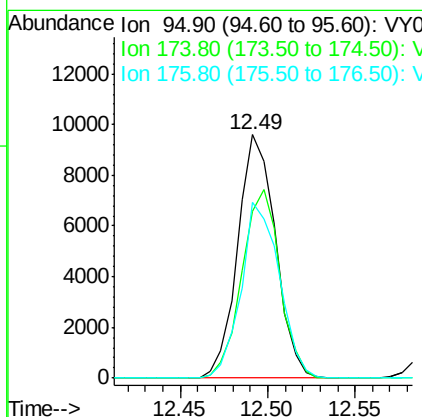
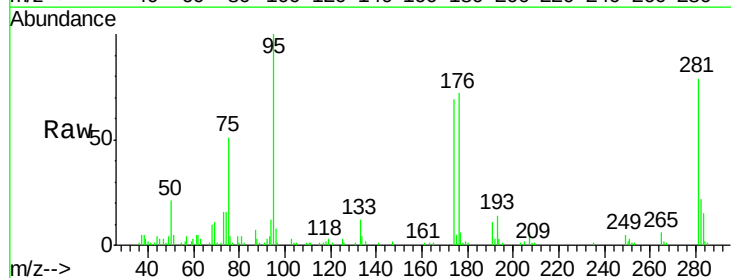
Manual Integrations
APPROVED

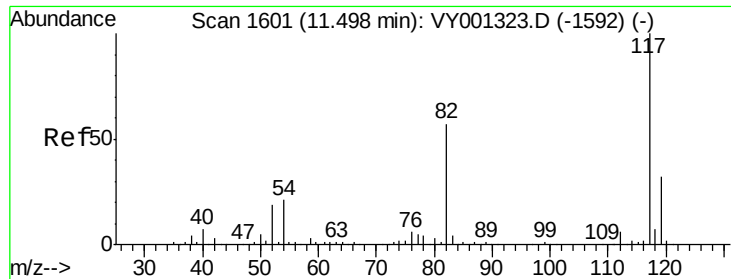
MMDadoda
1/22/2020 10:49:14 AM



#62
4-Bromofluorobenzene
Concen: 4.668 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 95 Resp: 14412
Ion Ratio Lower Upper
95 100
174 77.7 0.0 142.0
176 73.3 0.0 138.6





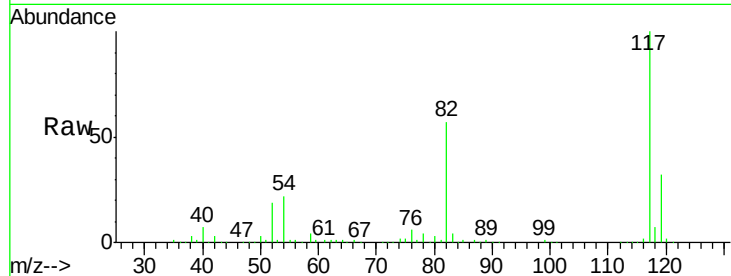
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.5	68.3
119	32.1	25.8	38.6

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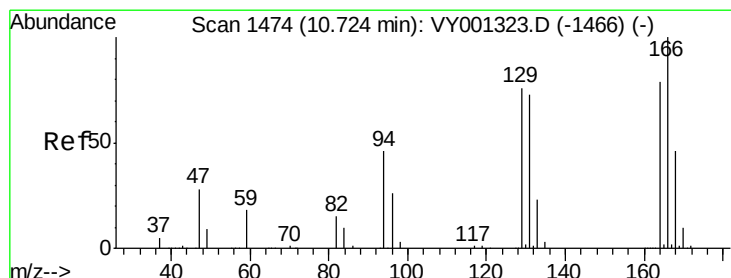
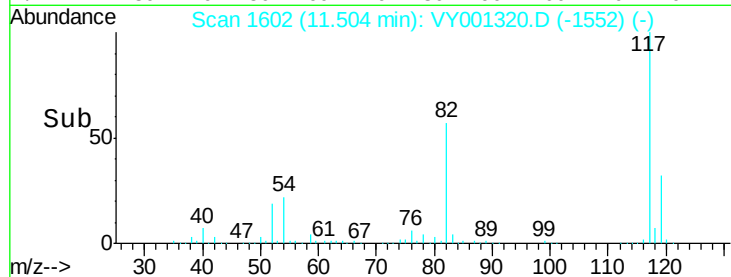
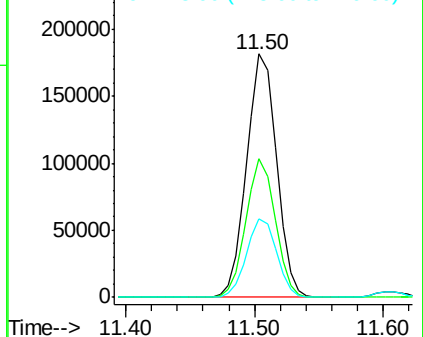


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.445 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.1	101.8	152.8
129	77.7	77.1	115.7
131	78.7	74.2	111.2

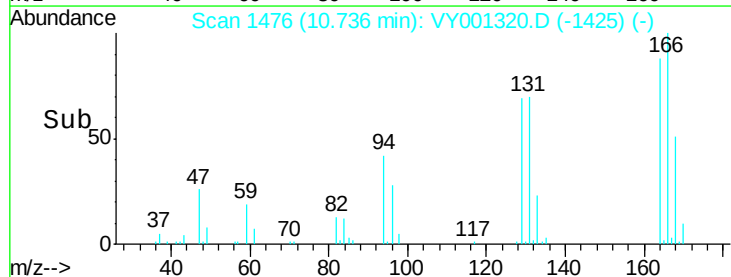
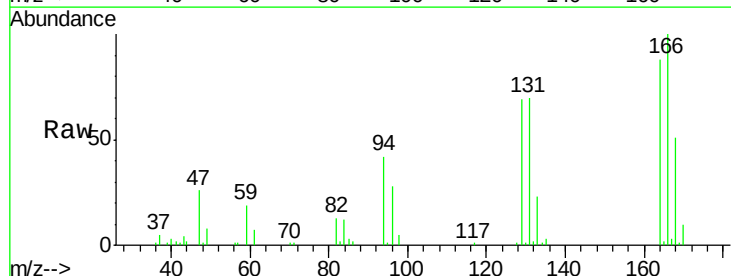
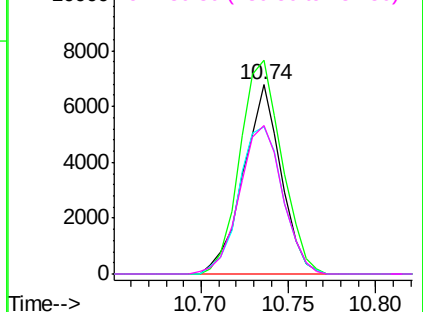
Abundance

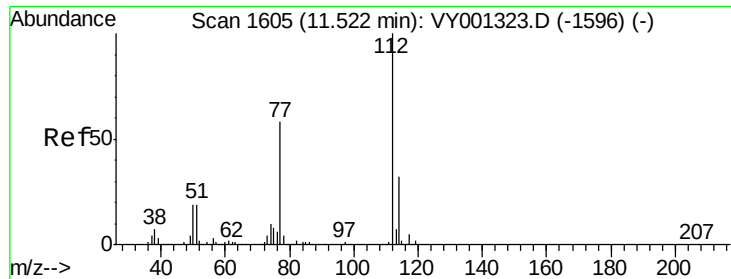
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





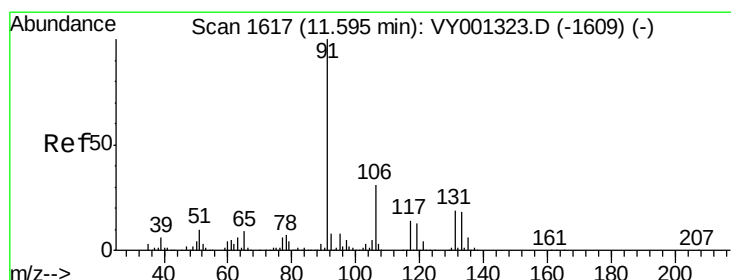
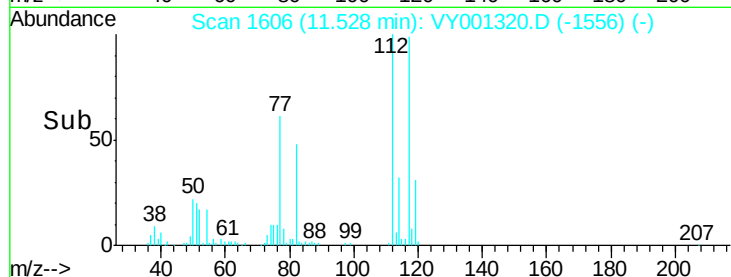
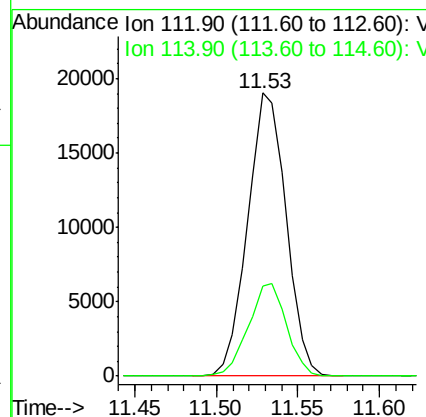
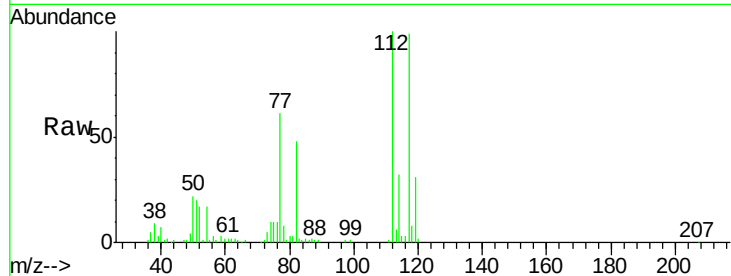
#65
Chlorobenzene
Concen: 5.344 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.8	38.6

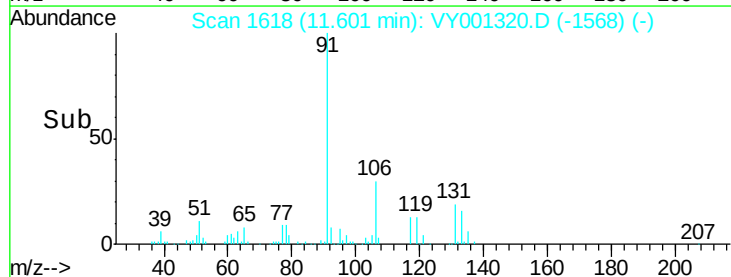
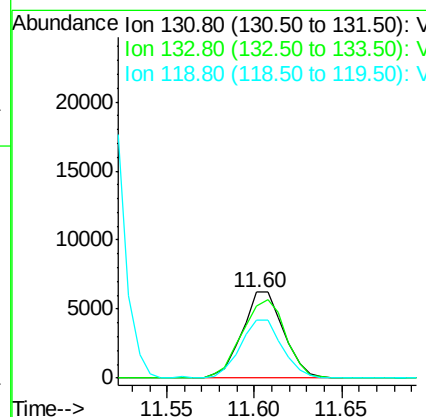
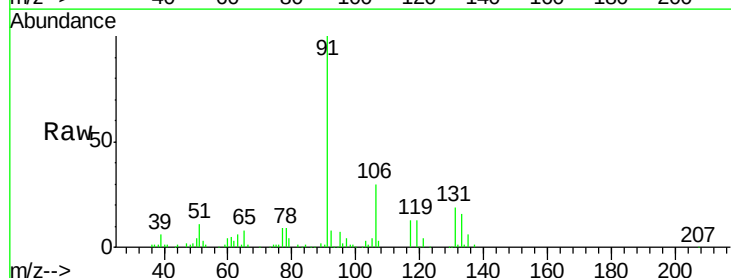
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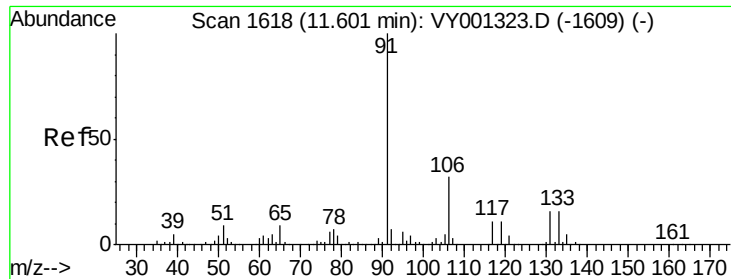
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.105 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.3
119	68.0	34.1	102.2





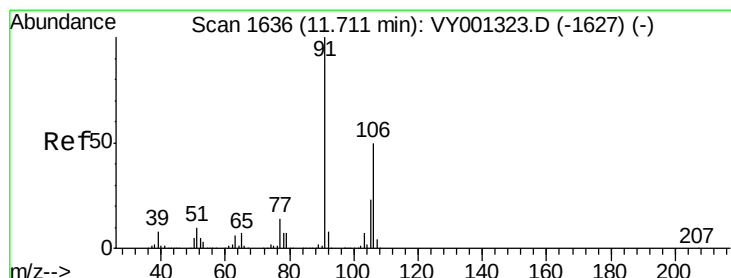
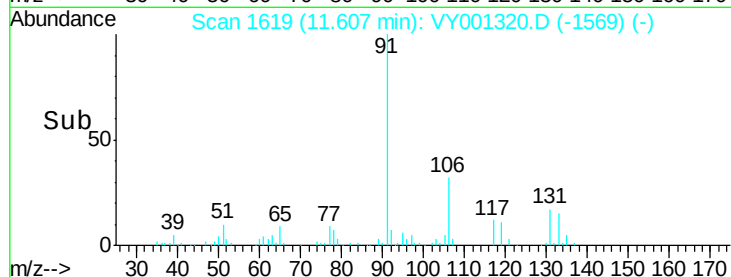
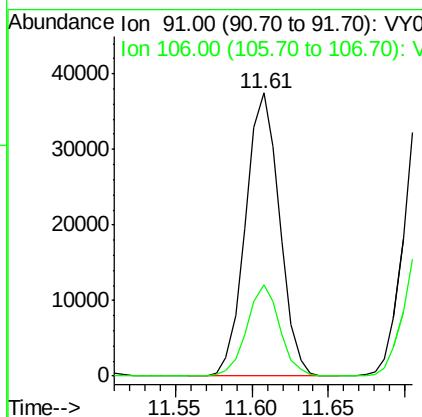
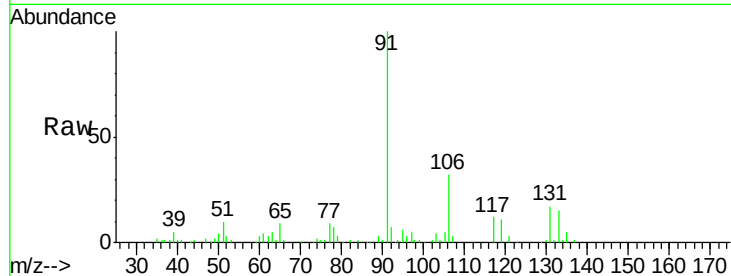
#67
Ethyl Benzene
Concen: 5.414 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 58034
Ion Ratio Lower Upper
91 100
106 32.1 25.4 38.0

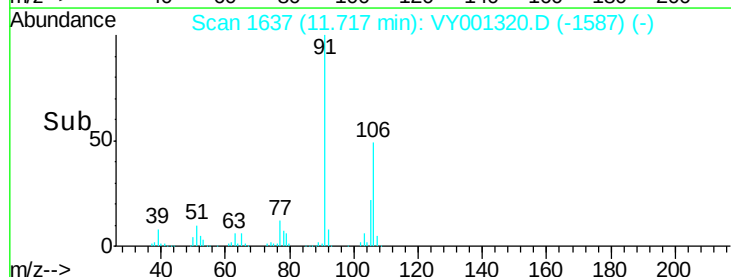
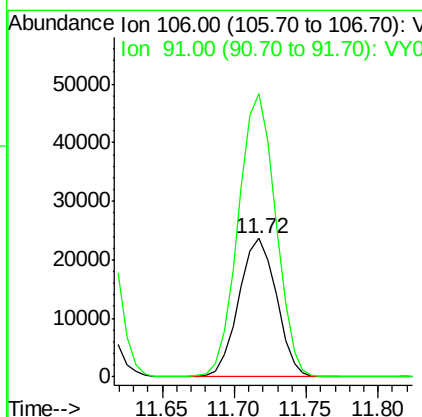
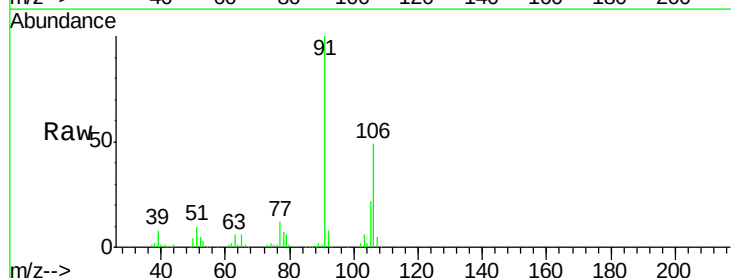
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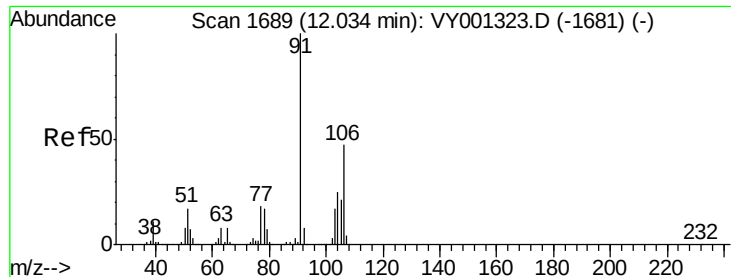
MMDadoda
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#68
m/p-Xylenes
Concen: 10.649 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 106 Resp: 42933
Ion Ratio Lower Upper
106 100
91 203.0 162.8 244.2





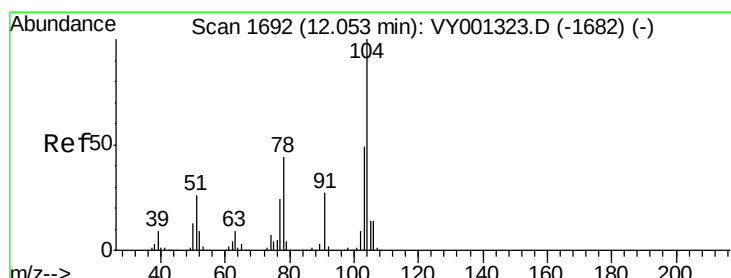
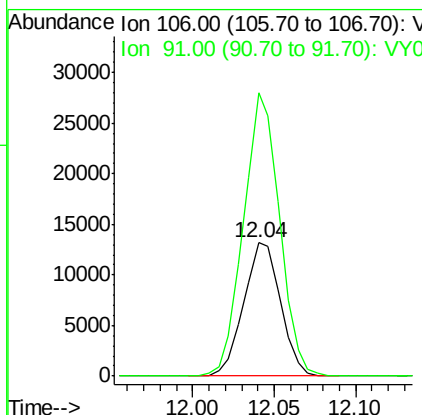
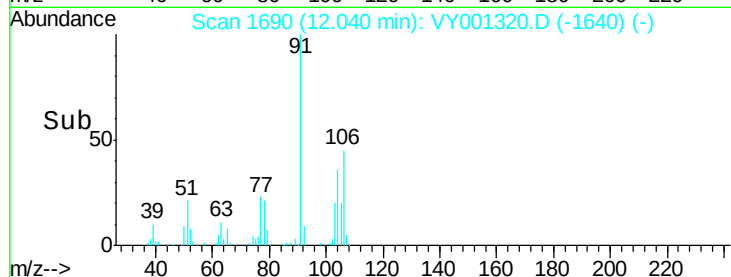
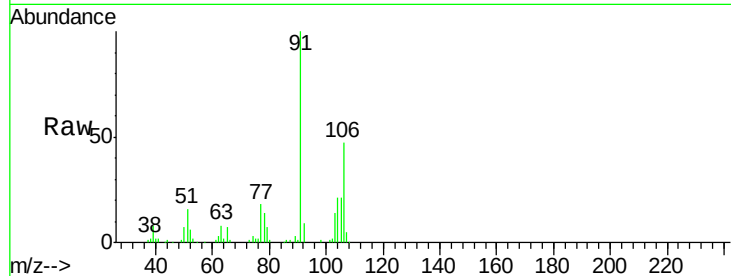
#69
o-Xylene
Concen: 5.362 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.4	106.3	319.0	

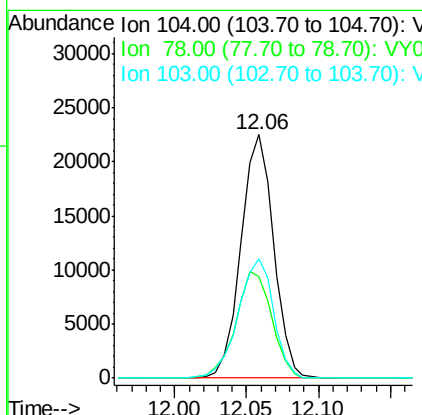
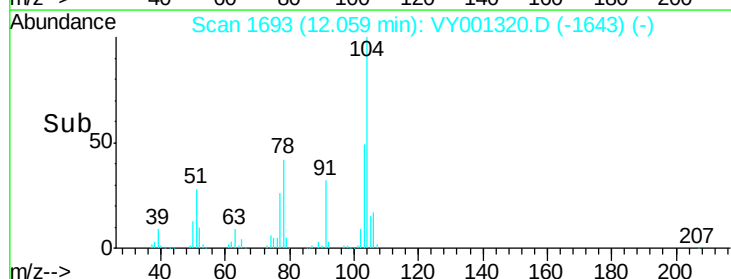
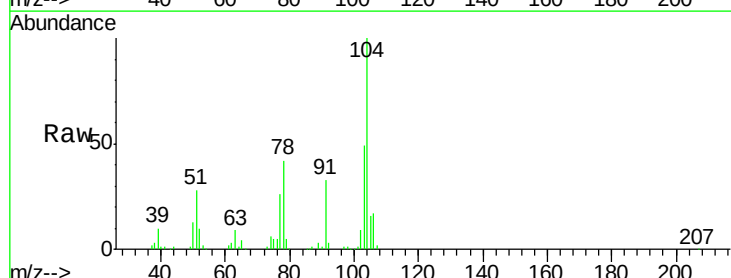
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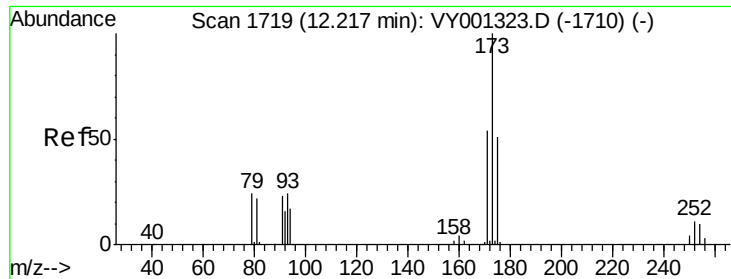
MMDadoda
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#70
Styrene
Concen: 5.204 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.8	59.8	
103	52.9	43.2	64.8	





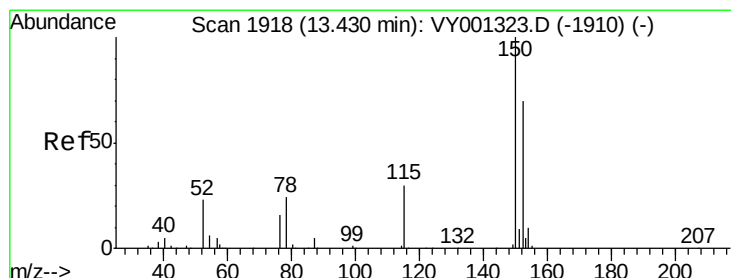
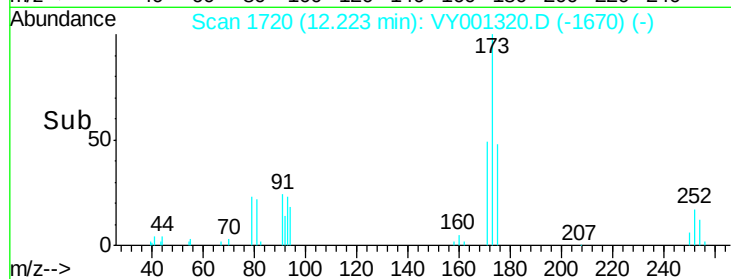
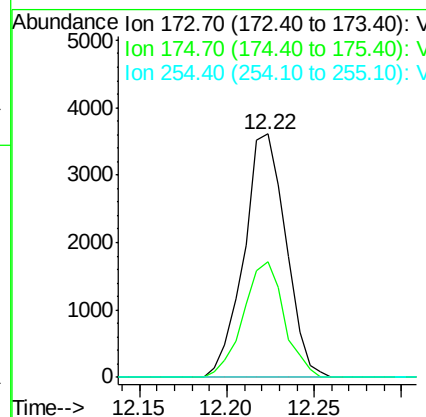
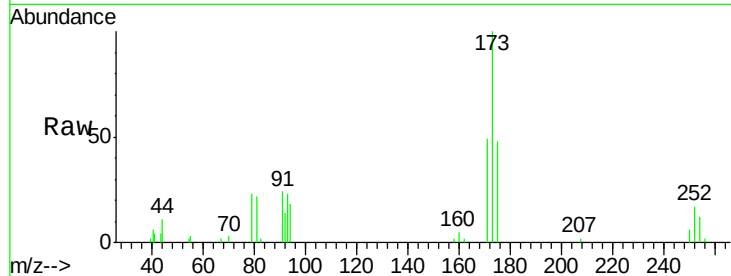
#71
Bromoform
Concen: 4.884 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.3	24.3	72.9
254	0.0	0.0	0.0

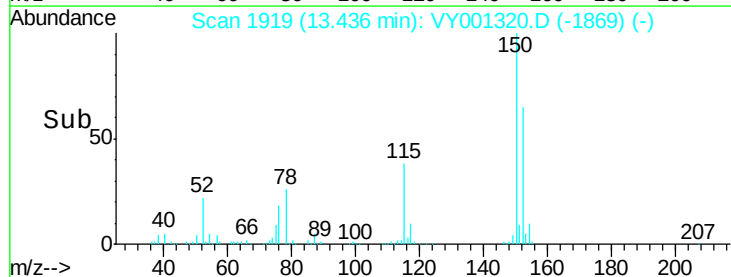
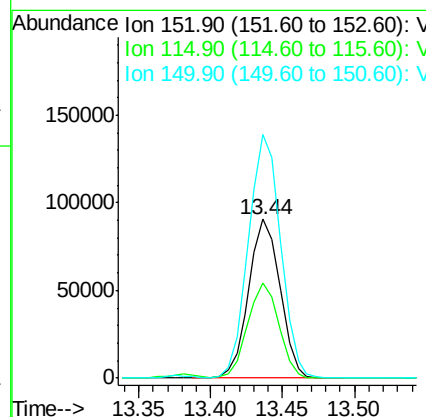
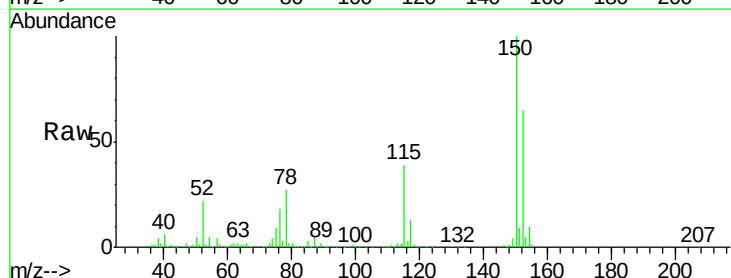
Manual Integrations
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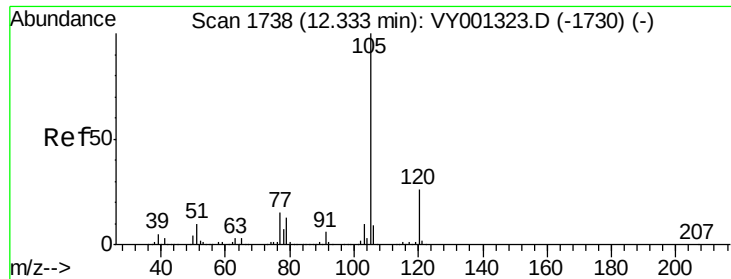
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	30.9	92.8
150	156.9	0.0	349.2





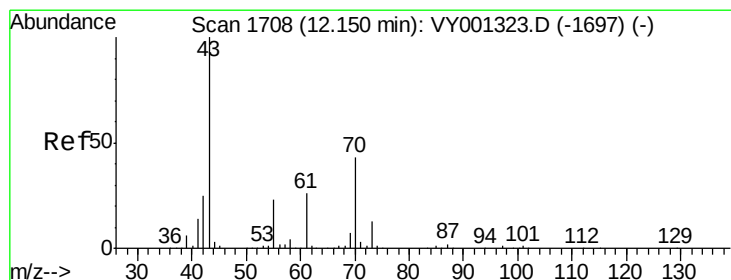
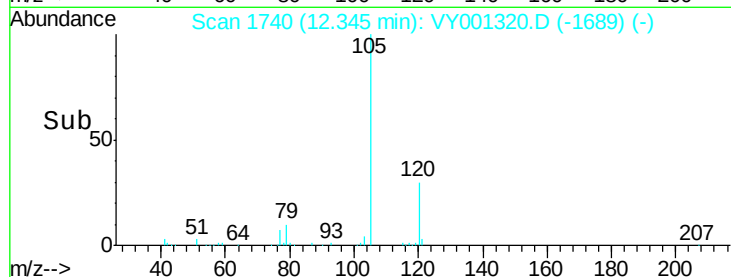
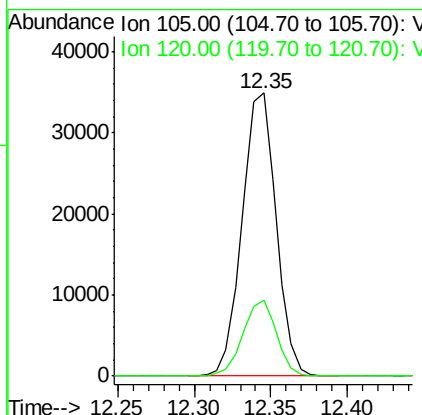
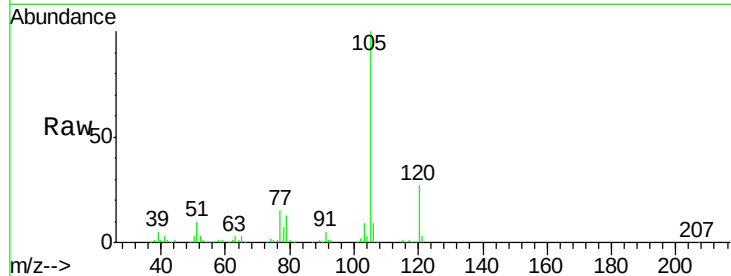
#73
Isopropylbenzene
Concen: 5.210 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

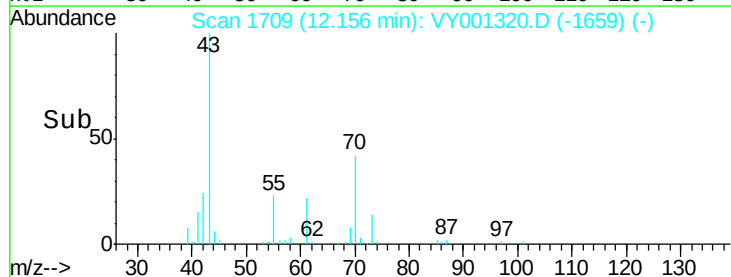
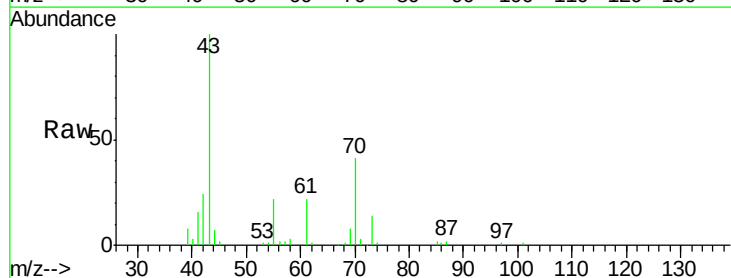
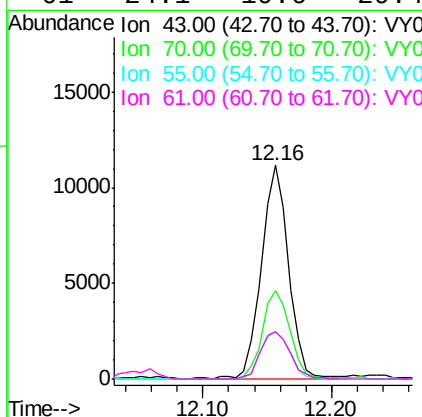
Manual Integrations
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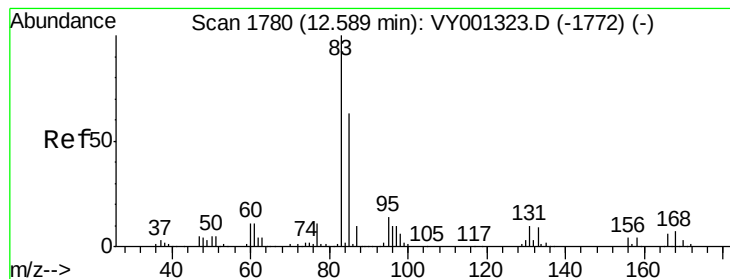
MMDadoda
1/22/2020 10:49:14 AM



#74
N-ethyl acetate
Concen: 5.010 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	33.5	50.3
55	23.4	18.2	27.2
61	24.1	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.075 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

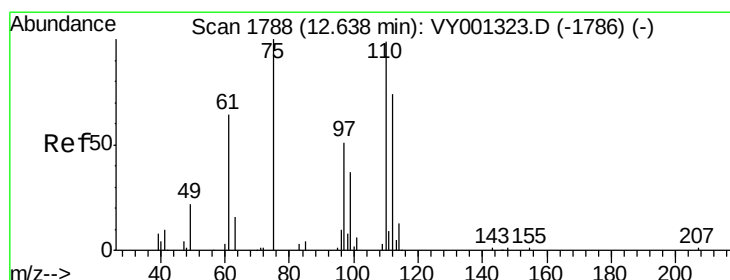
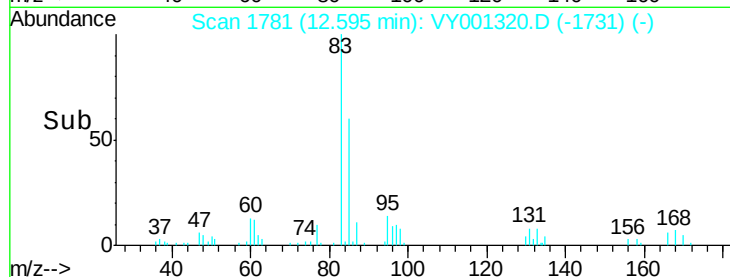
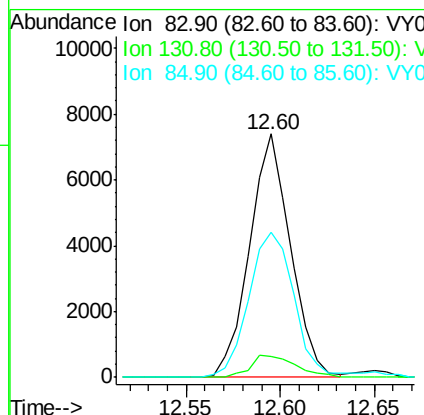
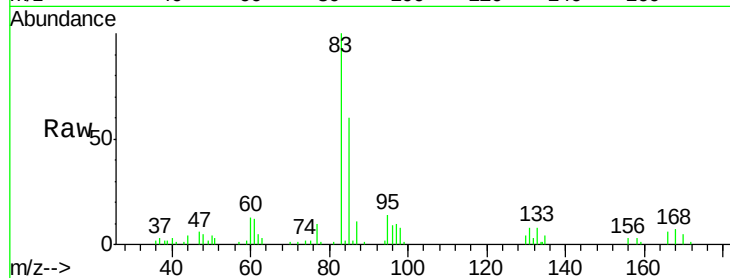
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11136
Ion Ratio	Lower	Upper	
83	100		
131	9.9	4.9	14.6
85	66.3	31.4	94.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.452 ug/l m

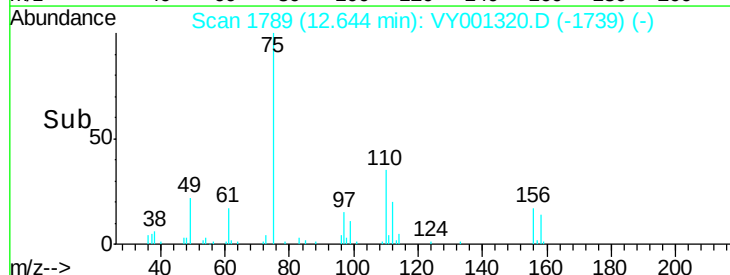
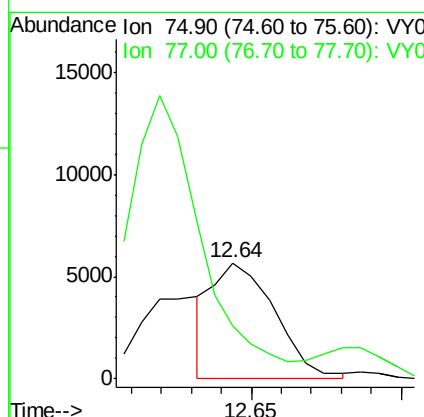
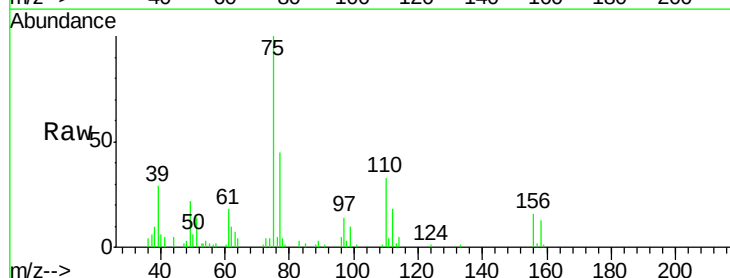
RT: 12.64 min Scan# 1789

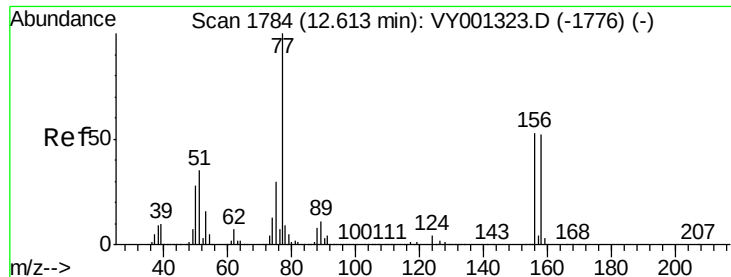
Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Tgt Ion:	75	Resp:	8245
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.344 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 12222

Ion Ratio Lower Upper

156 100

77 197.7 104.7 313.9

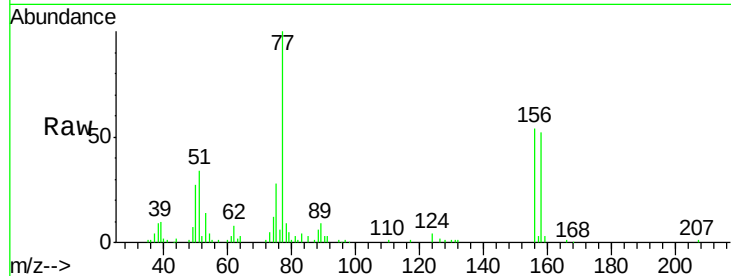
158 99.8 48.6 145.8

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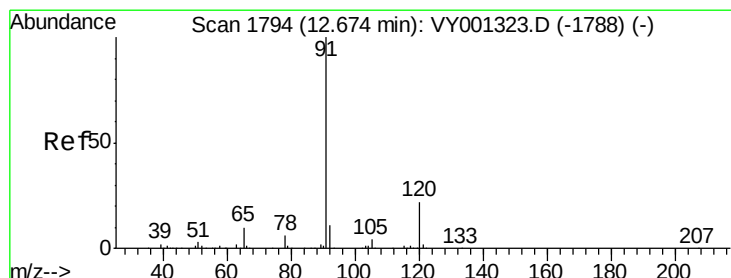
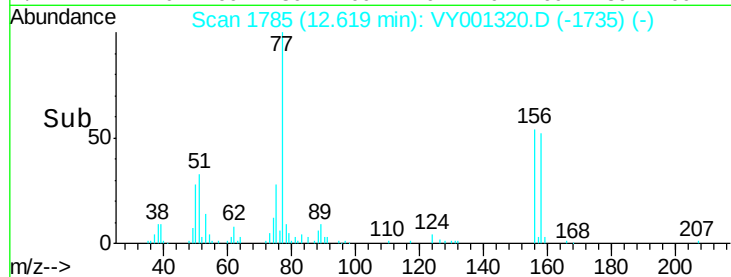
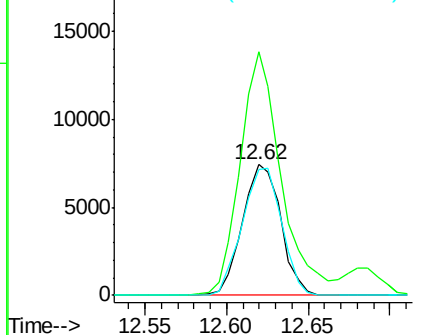
1/22/2020 10:49:14 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.176 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.01 min

Lab File: VY001320.D

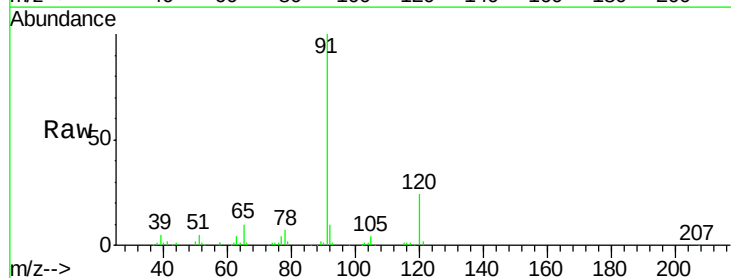
Acq: 21 Jan 2020 14:42

Tgt Ion: 91 Resp: 64465

Ion Ratio Lower Upper

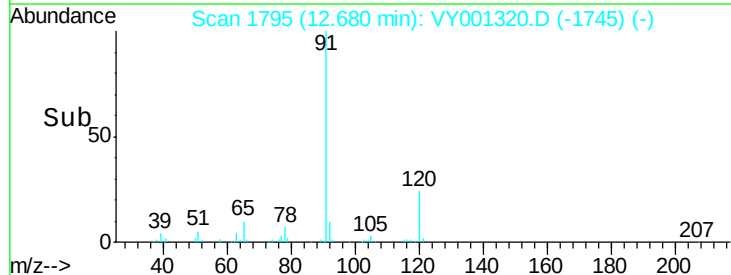
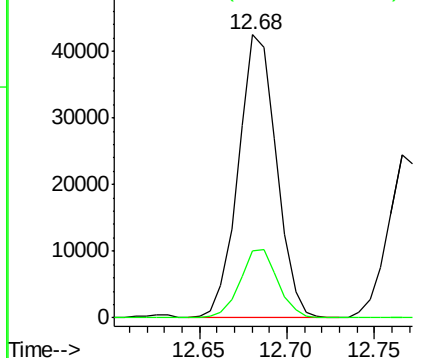
91 100

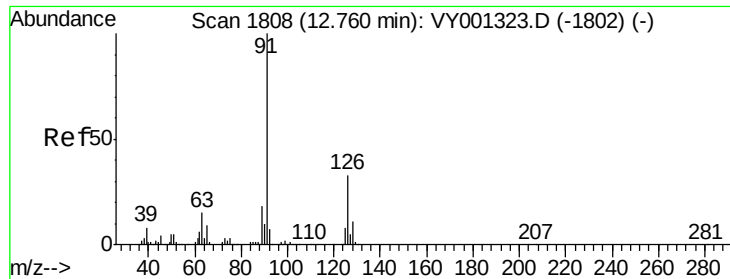
120 23.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





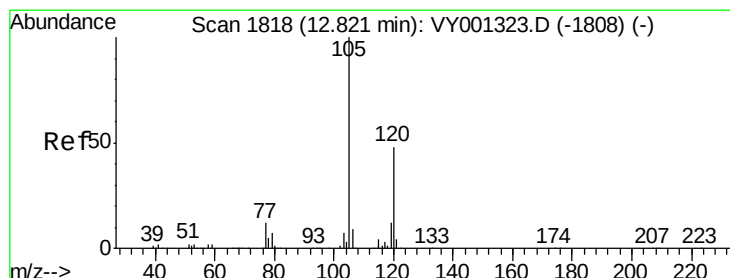
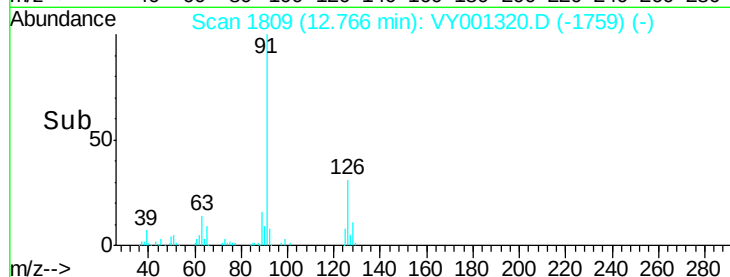
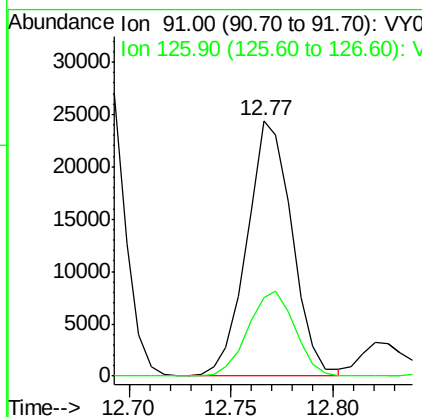
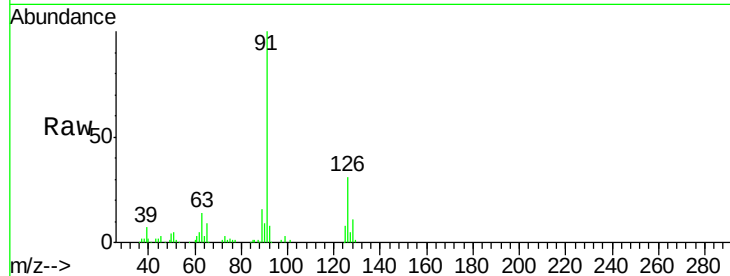
#79
2-Chlorotoluene
Concen: 5.278 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 37677
Ion Ratio Lower Upper
91 100
126 34.4 16.6 49.7

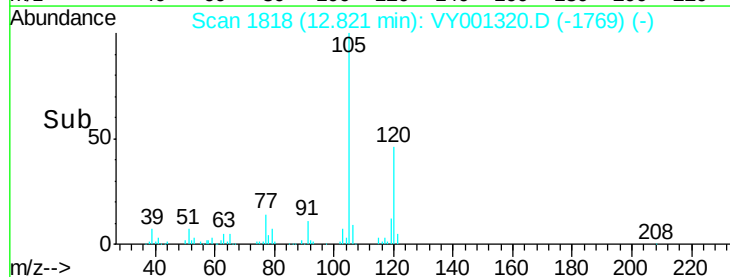
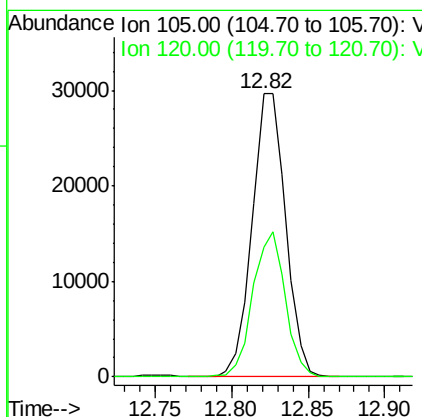
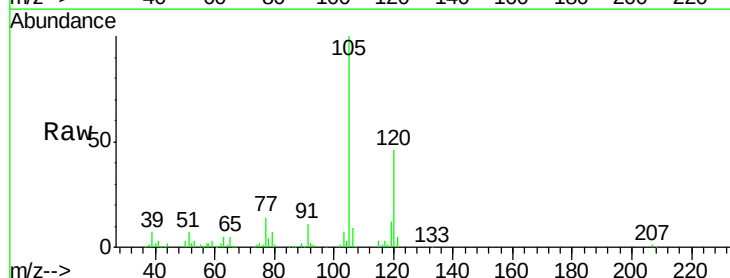
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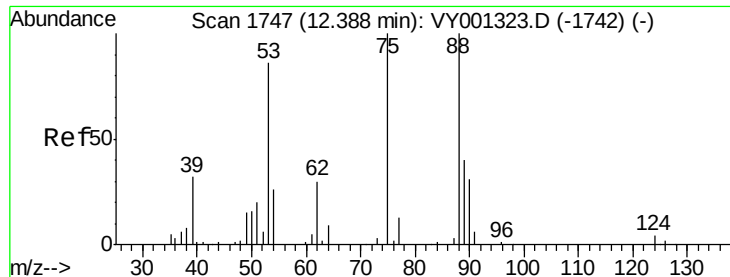
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#80
1,3,5-Trimethylbenzene
Concen: 5.263 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion: 105 Resp: 45356
Ion Ratio Lower Upper
105 100
120 49.3 24.3 72.9





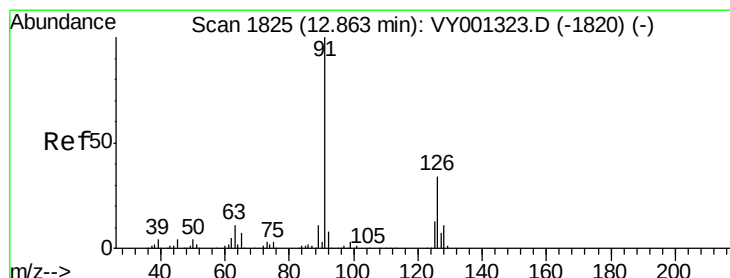
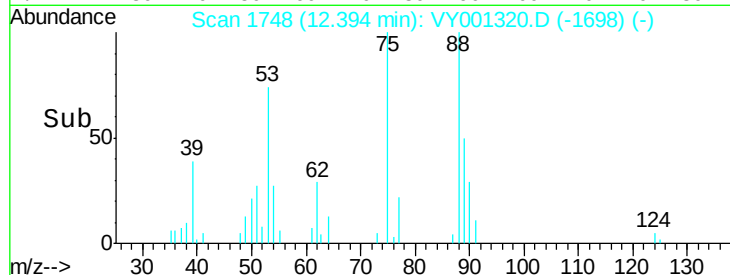
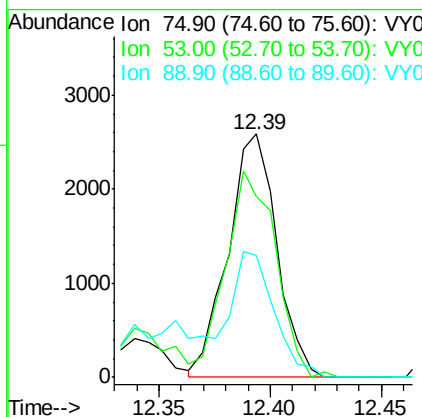
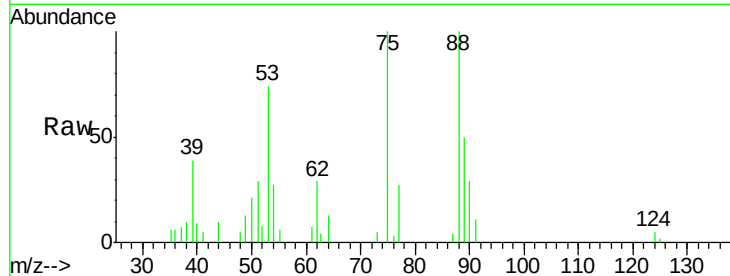
#81
trans-1,4-Dichloro-2-butene
Concen: 4.563 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	69.9	104.9
89	44.3	36.6	54.8

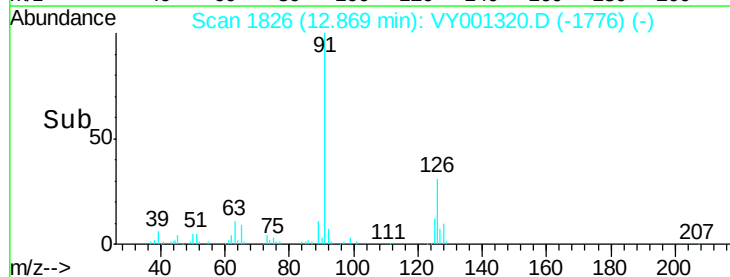
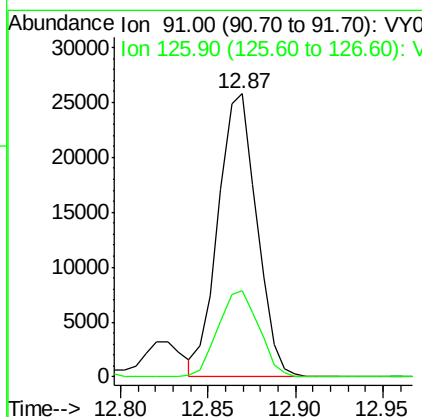
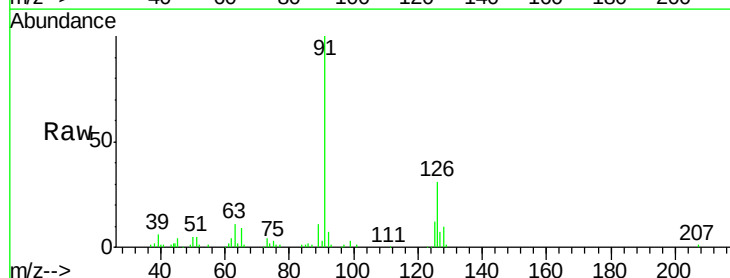
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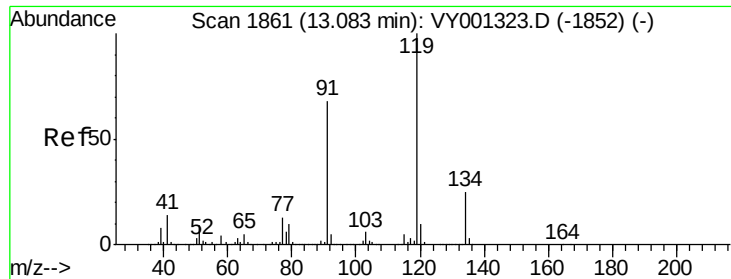
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#82
4-Chlorotoluene
Concen: 5.226 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4





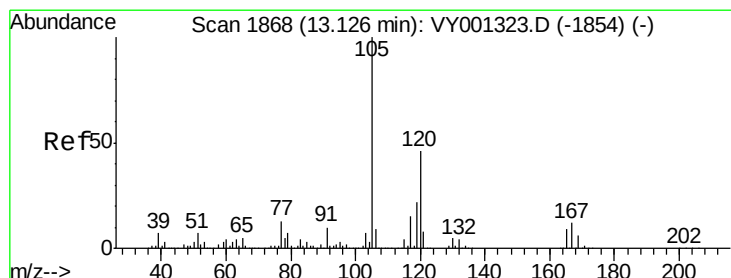
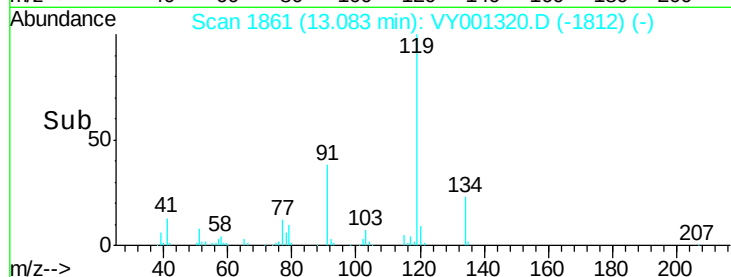
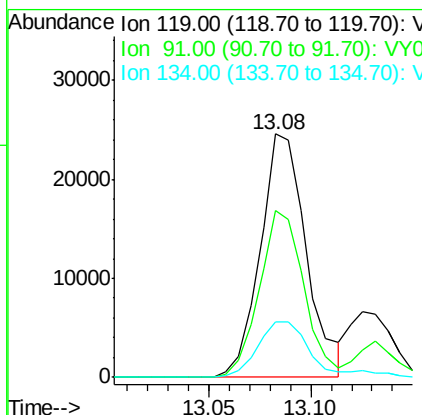
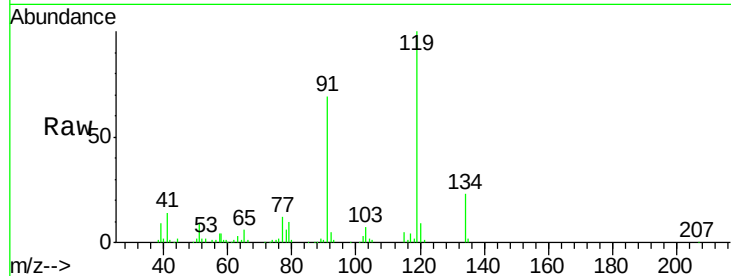
#83
tert-Butylbenzene
Concen: 5.333 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	33.0	99.0
134	26.6	13.3	39.9

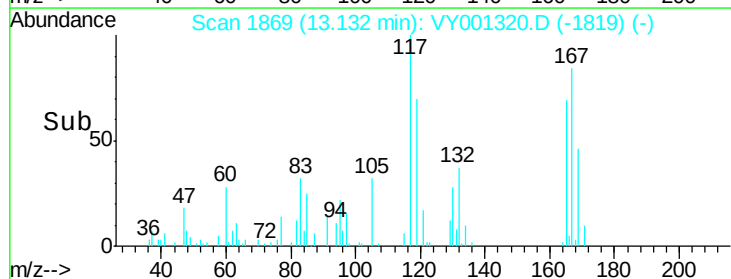
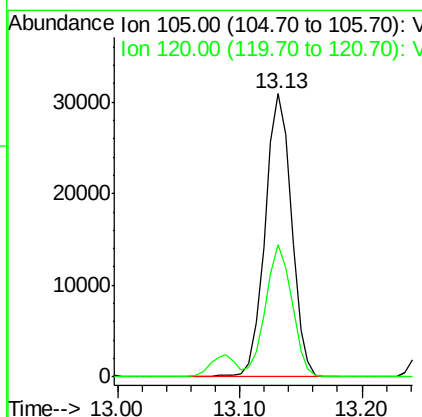
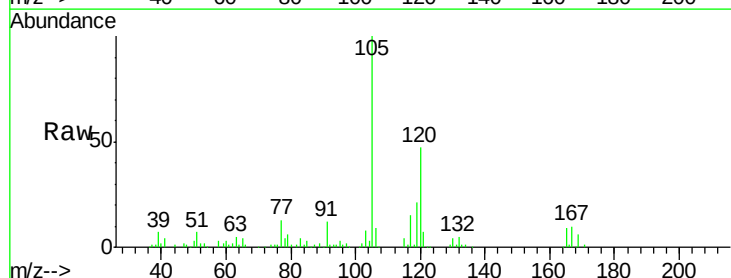
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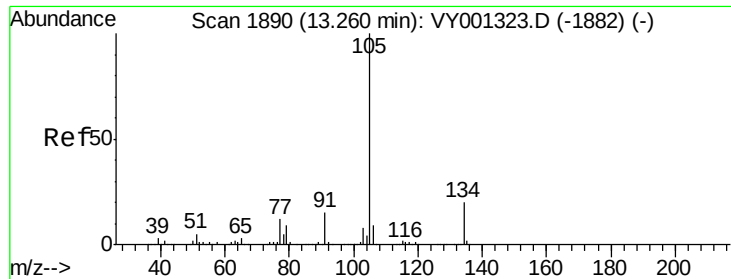
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#84
1,2,4-Trimethylbenzene
Concen: 5.421 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 5.195 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 54277

Ion Ratio Lower Upper

105 100

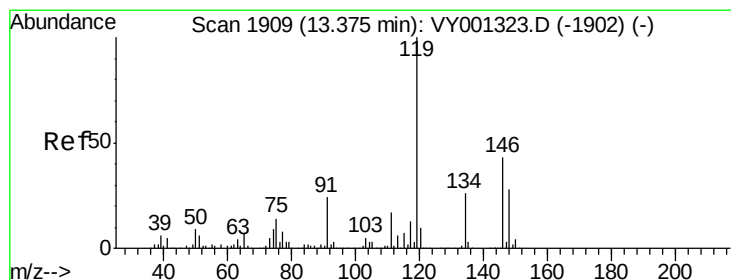
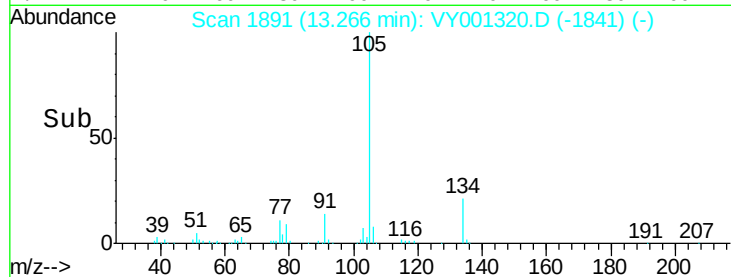
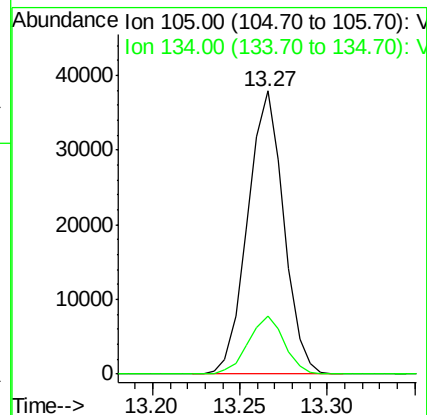
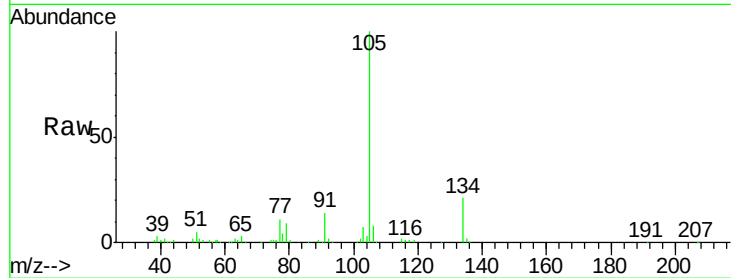
134 20.4 9.8 29.4

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#86

p-Isopropyltoluene

Concen: 5.290 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001320.D

Acq: 21 Jan 2020 14:42

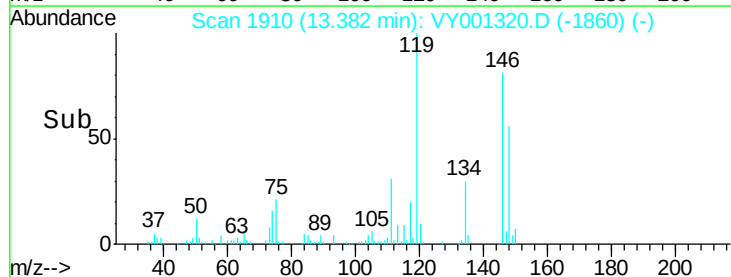
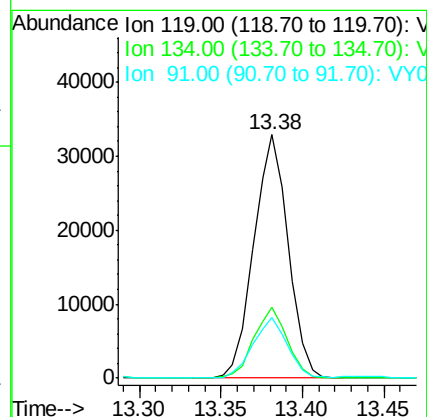
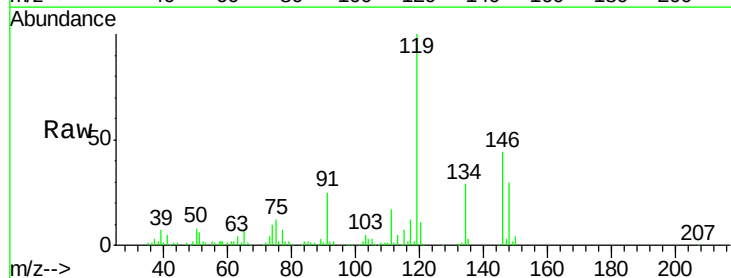
Tgt Ion:119 Resp: 47929

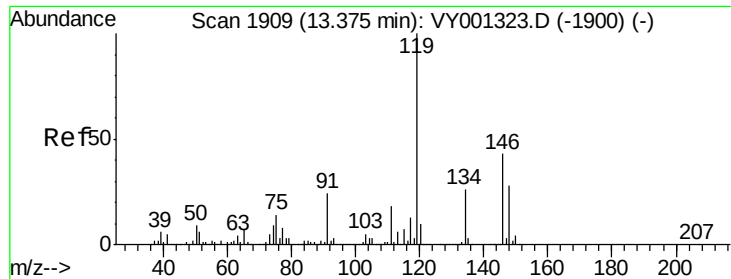
Ion Ratio Lower Upper

119 100

134 28.4 13.5 40.4

91 25.0 12.2 36.6





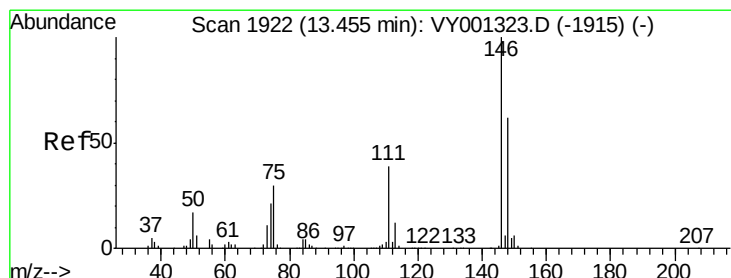
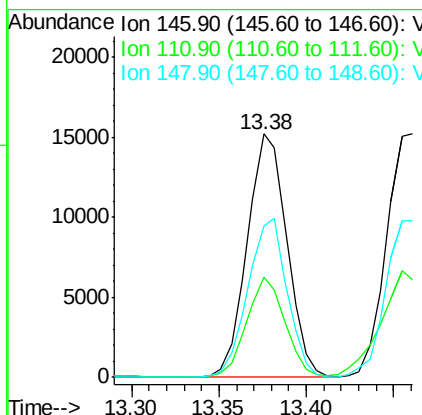
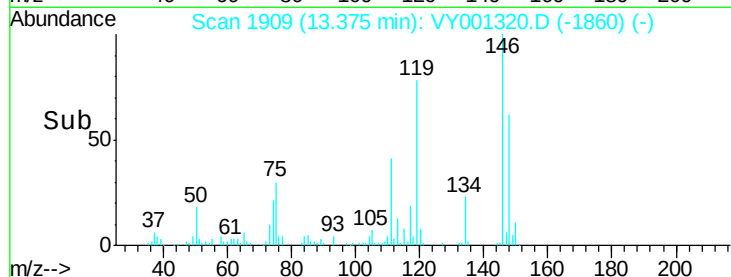
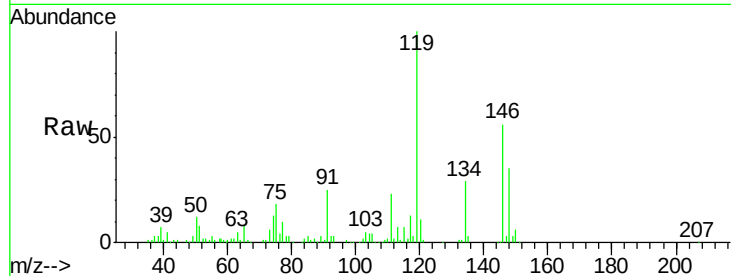
#87
 1,3-Dichlorobenzene
 Concen: 5.545 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	64.4	31.6	95.0

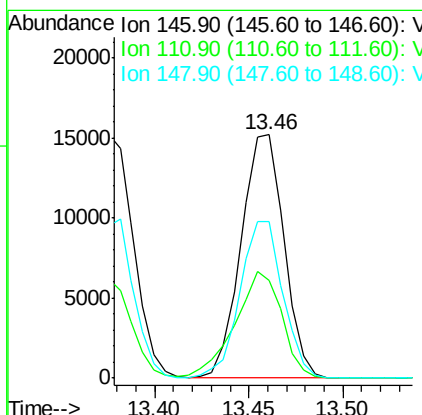
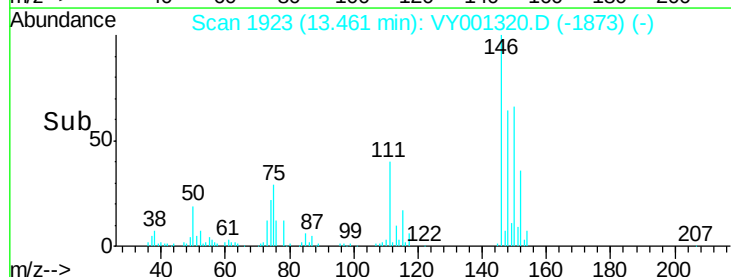
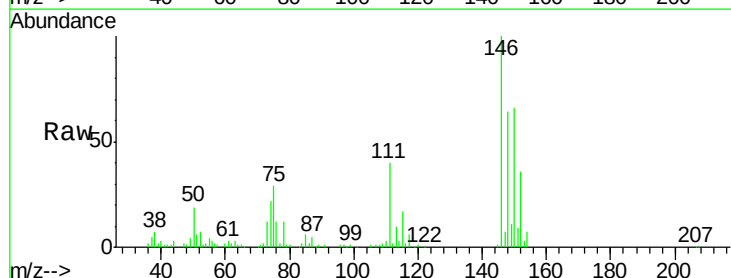
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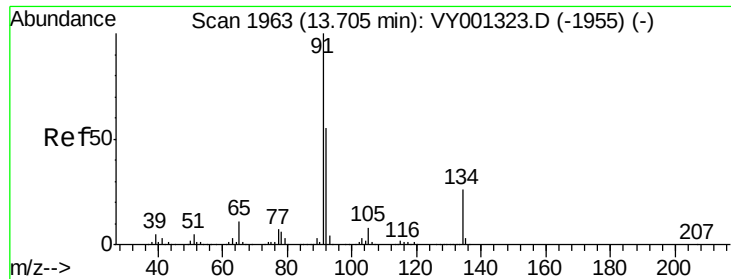
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#88
 1,4-Dichlorobenzene
 Concen: 5.409 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	20.5	61.5
148	64.4	31.6	95.0





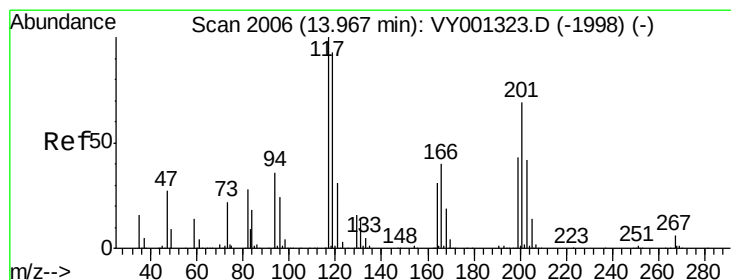
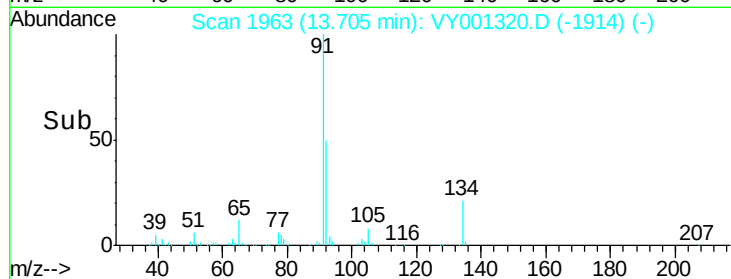
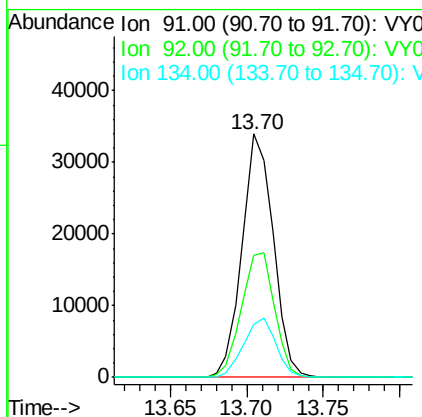
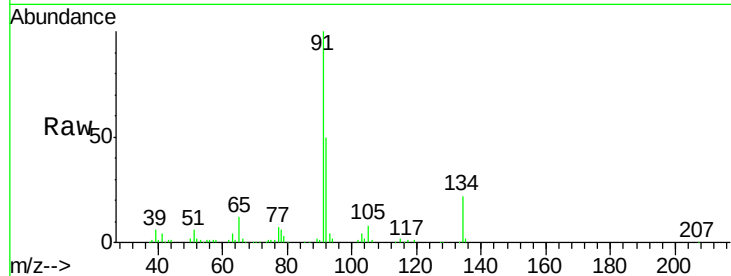
#89
n-Butylbenzene
Concen: 5.307 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.6	82.8
134	24.9	12.9	38.6

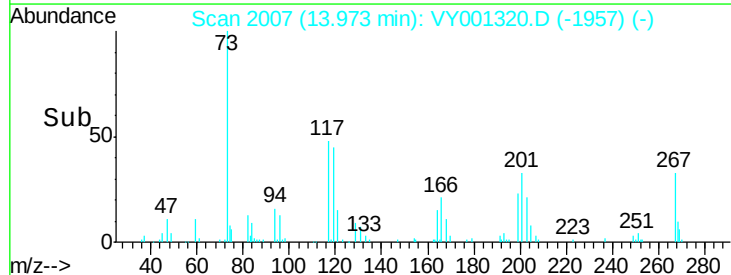
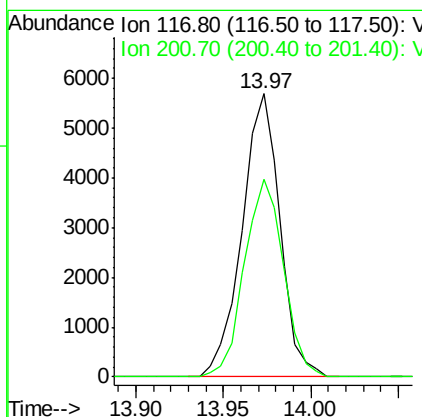
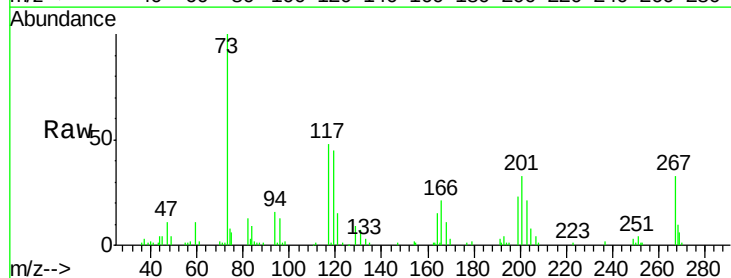
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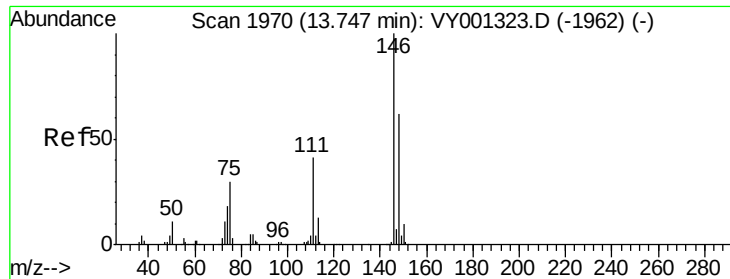
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#90
Hexachloroethane
Concen: 4.876 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	34.6	103.8





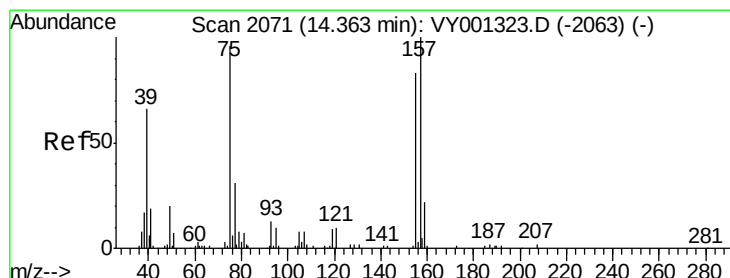
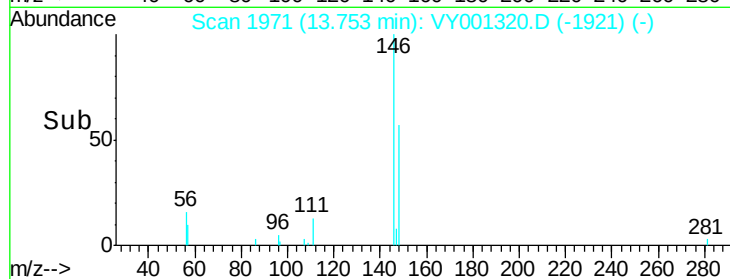
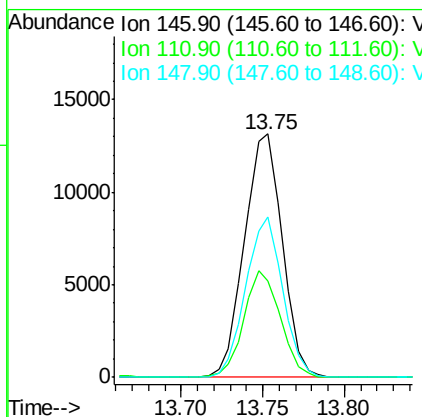
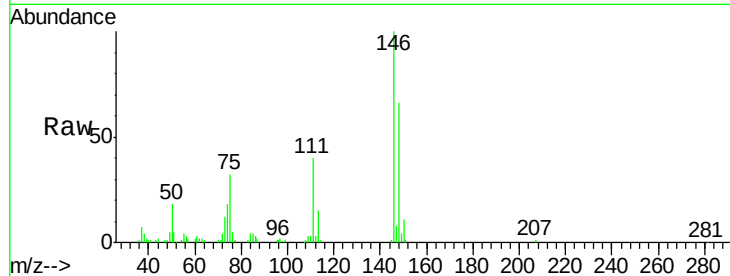
#91
 1,2-Dichlorobenzene
 Concen: 5.273 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.4
148	64.3	31.5	94.5

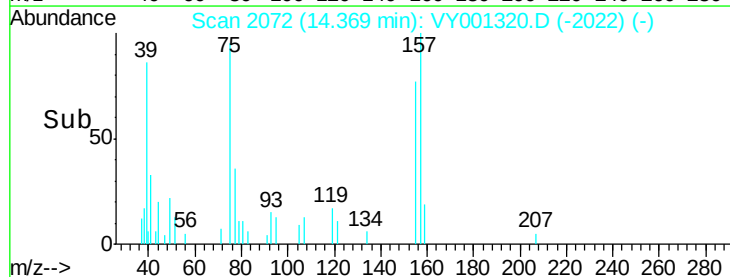
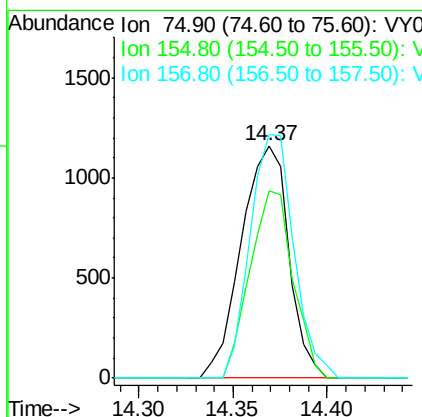
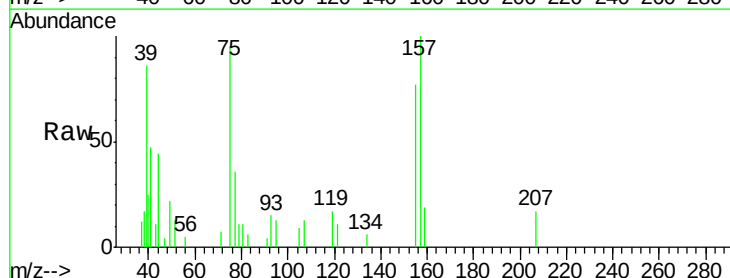
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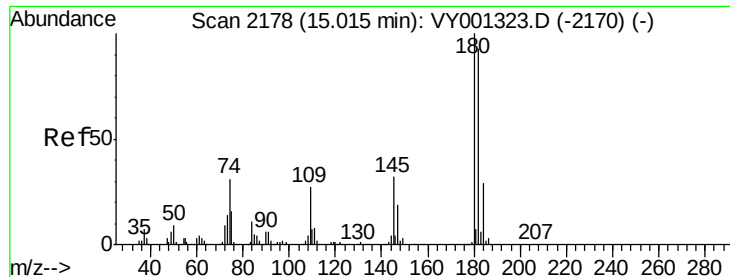
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.199 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	43.0	129.2
157	96.7	53.3	160.0





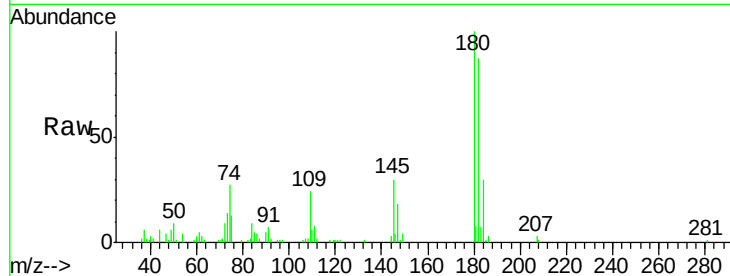
#93
 1,2,4-Trichlorobenzene
 Concen: 5.879 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.6	142.8
145	30.9	16.3	48.9

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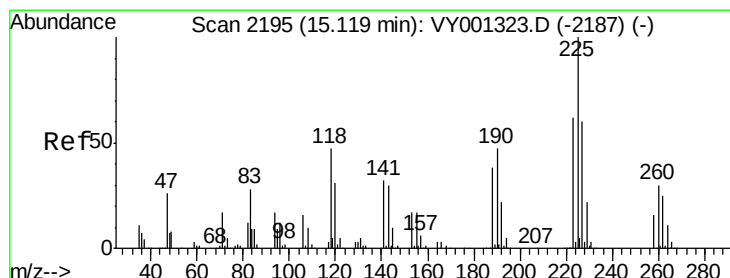
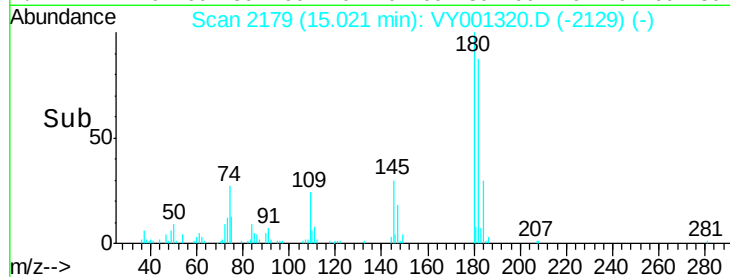
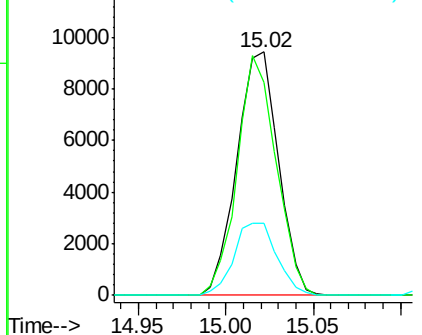


Abundance

Ion 179.80 (179.50 to 180.50): V

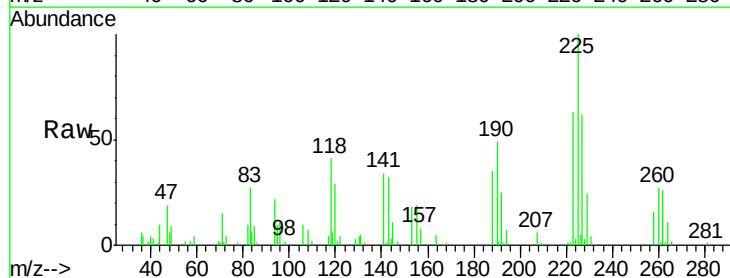
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.780 ug/l
 RT: 15.13 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY001320.D
 Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.2	93.6
227	67.1	31.0	93.0

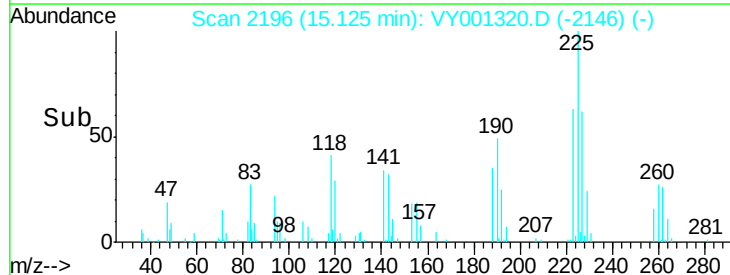
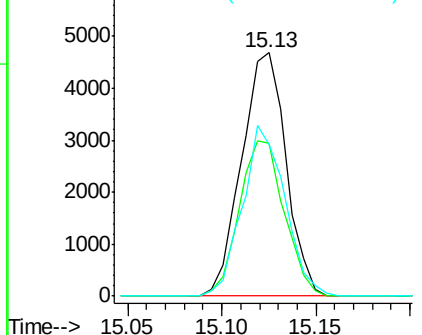


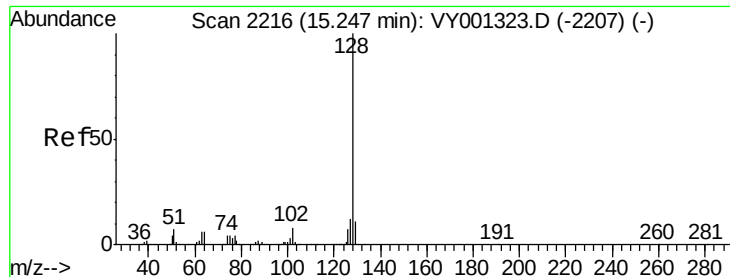
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





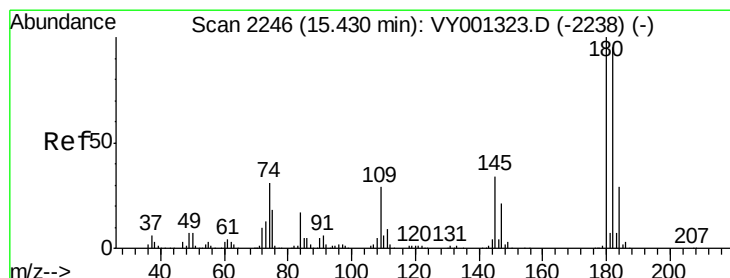
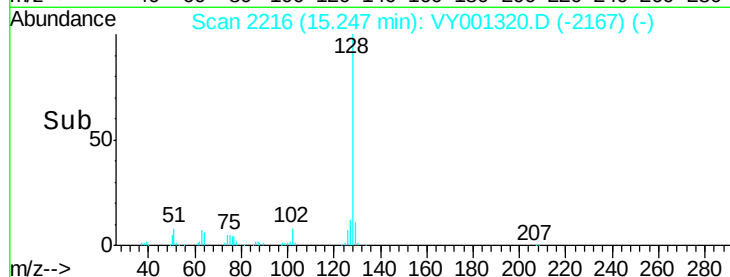
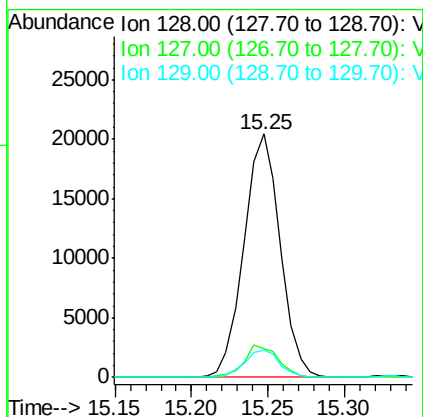
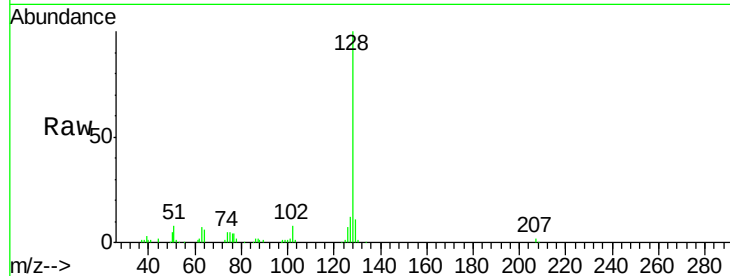
#95
Naphthalene
Concen: 5.458 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/22/2020 10:49:14 AM



#96
1,2,3-Trichlorobenzene
Concen: 5.710 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.00 min
Lab File: VY001320.D
Acq: 21 Jan 2020 14:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	34.0	16.8	50.3

