

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091119\
 Data File : VY000014.D
 Acq On : 11 Sep 2019 21:29
 Operator : SY/MD
 Sample : MDL 3 PPB
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:51:45 PM

Quant Time: Sep 19 11:35:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:26:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	145644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	285998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	245767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	99871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	72917	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.72	113	71311	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	
50) Toluene-d8	10.18	98	297674	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
62) 4-Bromofluorobenzene	12.48	95	98773	42.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.89	85	3174	2.903	ug/l	81
3) Chloromethane	2.11	50	6727	3.275	ug/l #	83
4) Vinyl Chloride	2.25	62	4433	2.626	ug/l	93
5) Bromomethane	2.64	94	4004	4.065	ug/l	100
6) Chloroethane	2.78	64	3161	2.840	ug/l #	87
7) Trichlorofluoromethane	3.12	101	5984	2.878	ug/l	96
8) Diethyl Ether	3.54	74	2629	3.224	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.88	101	3571m	2.566	ug/l	
10) Methyl Iodide	4.09	142	3437	2.122	ug/l	95
11) Tert butyl alcohol	4.96	59	2650	14.924	ug/l	99
12) 1,1-Dichloroethene	3.87	96	3520	2.613	ug/l #	72
13) Acrolein	3.73	56	2827	19.546	ug/l	90
14) Allyl chloride	4.48	41	6556	3.199	ug/l	90
15) Acrylonitrile	5.17	53	6799	12.709	ug/l #	63
16) Acetone	3.96	43	5867	14.242	ug/l #	68
17) Carbon Disulfide	4.18	76	8663	3.069	ug/l	96
18) Methyl Acetate	4.48	43	4099	3.276	ug/l #	71
19) Methyl tert-butyl Ether	5.23	73	10138	2.672	ug/l	98
20) Methylene Chloride	4.71	84	7051	4.161	ug/l	90
21) trans-1,2-Dichloroethene	5.23	96	3745m	2.580	ug/l	
22) Diisopropyl ether	6.12	45	11406	2.560	ug/l #	93
23) Vinyl Acetate	6.07	43	38584	12.775	ug/l	94
24) 1,1-Dichloroethane	6.03	63	7067	2.648	ug/l #	90
25) 2-Butanone	6.99	43	7620	11.715	ug/l	95
26) 2,2-Dichloropropane	6.99	77	5465	2.395	ug/l	76
27) cis-1,2-Dichloroethene	6.99	96	5068	2.783	ug/l	58
28) Bromochloromethane	7.34	49	4894	3.980	ug/l #	87
29) Tetrahydrofuran	7.35	42	5011	12.332	ug/l #	86
30) Chloroform	7.51	83	7847	2.905	ug/l	87
31) Cyclohexane	7.79	56	9559	4.140	ug/l #	71
32) 1,1,1-Trichloroethane	7.70	97	5448	2.444	ug/l	94
36) 1,1-Dichloropropene	7.91	75	5498	2.659	ug/l	96
37) Ethyl Acetate	7.09	43	3041	2.151	ug/l #	84
38) Carbon Tetrachloride	7.90	117	4160	2.096	ug/l #	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.18	83	6768	2.655	ug/l #	88
40) Benzene	8.17	78	16577	2.494	ug/l #	87
41) Methacrylonitrile	7.32	41	2706m	3.193	ug/l	
42) 1,2-Dichloroethane	8.24	62	4367	2.520	ug/l	96
43) Isopropyl Acetate	8.28	43	6831	2.628	ug/l #	89
44) Trichloroethene	8.93	130	4034	2.359	ug/l	100
45) 1,2-Dichloropropane	9.22	63	3963	2.322	ug/l	99
46) Dibromomethane	9.30	93	2389	2.587	ug/l	90
47) Bromodichloromethane	9.49	83	5504	2.489	ug/l	100
48) Methyl methacrylate	9.30	41	2945	2.565	ug/l #	89
49) 1,4-Dioxane	9.30	88	1058	58.291	ug/l #	48
51) 4-Methyl-2-Pentanone	10.07	43	16843	11.773	ug/l	98
52) Toluene	10.24	92	11437	2.733	ug/l	87
53) t-1,3-Dichloropropene	10.46	75	5643	2.429	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	6981	2.574	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	3384	2.364	ug/l #	86
56) Ethyl methacrylate	10.51	69	5064	2.458	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	5906	2.501	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.78	63	16540	15.560	ug/l	99
59) 2-Hexanone	10.83	43	11982	11.763	ug/l	100
60) Dibromochloromethane	10.98	129	3420	2.242	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3265	2.480	ug/l	96
64) Tetrachloroethene	10.72	164	3867	2.574	ug/l #	80
65) Chlorobenzene	11.51	112	11490	2.529	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	3397	2.210	ug/l	93
67) Ethyl Benzene	11.59	91	19957	2.404	ug/l	91
68) m/p-Xylenes	11.70	106	15029	4.767	ug/l	98
69) o-Xylene	12.02	106	7114	2.346	ug/l	95
70) Styrene	12.04	104	11693	2.215	ug/l	93
71) Bromoform	12.20	173	2031	2.181	ug/l #	96
73) Isopropylbenzene	12.32	105	17907	2.371	ug/l	96
74) N-amyl acetate	12.14	43	5649	2.695	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.58	83	4313	2.479	ug/l	99
76) 1,2,3-Trichloropropane	12.62	75	3329m	2.825	ug/l	
77) Bromobenzene	12.61	156	3458	2.148	ug/l	78
78) n-propylbenzene	12.66	91	21848	2.391	ug/l	99
79) 2-Chlorotoluene	12.75	91	12101	2.387	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	15566	2.493	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	1932	2.838	ug/l #	86
82) 4-Chlorotoluene	12.85	91	13296	2.511	ug/l	99
83) tert-Butylbenzene	13.07	119	13116	2.469	ug/l	97
84) 1,2,4-Trimethylbenzene	13.11	105	14639	2.397	ug/l	96
85) sec-Butylbenzene	13.25	105	20366	2.572	ug/l	94
86) p-Isopropyltoluene	13.37	119	15817	2.375	ug/l	96
87) 1,3-Dichlorobenzene	13.36	146	7697	2.479	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	7418m	2.369	ug/l	
89) n-Butylbenzene	13.69	91	16487	2.478	ug/l	98
90) Hexachloroethane	13.96	117	3040	2.256	ug/l	85
91) 1,2-Dichlorobenzene	13.73	146	7875	2.693	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	886	2.735	ug/l	95

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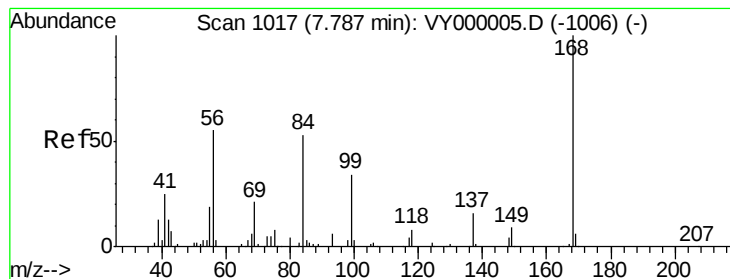
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	4236	2.376	ug/l	98
94) Hexachlorobutadiene	15.10	225	2273	2.633	ug/l	96
95) Naphthalene	15.23	128	11984	2.458	ug/l	98
96) 1,2,3-Trichlorobenzene	15.41	180	4333	2.710	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:168 Resp: 145644

Ion Ratio Lower Upper

168 100

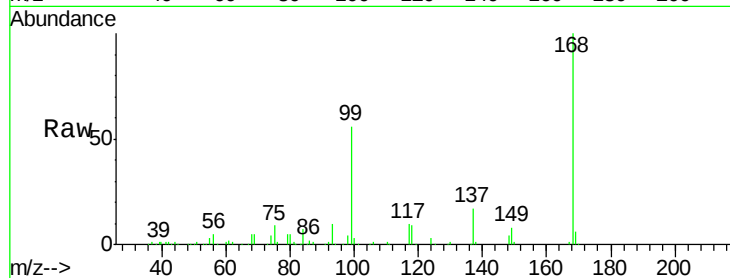
99 56.0 44.2 66.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000005.D (-1006) (-)

Ion 98.90 (98.60 to 99.60): VY000005.D (-1006) (-)

7.79

60000

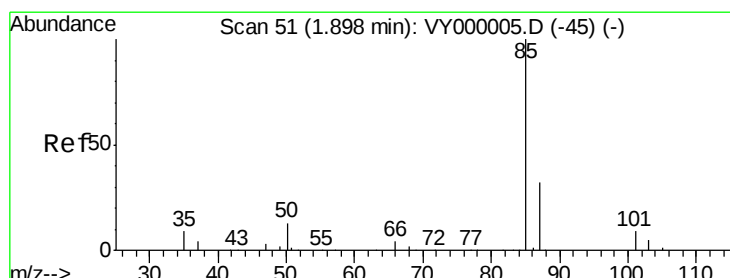
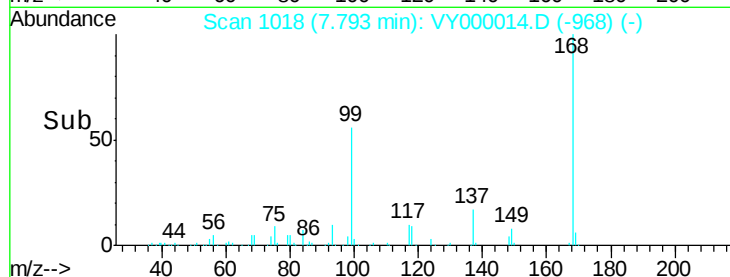
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 2.903 ug/l

RT: 1.89 min Scan# 50

Delta R.T. -0.01 min

Lab File: VY000014.D

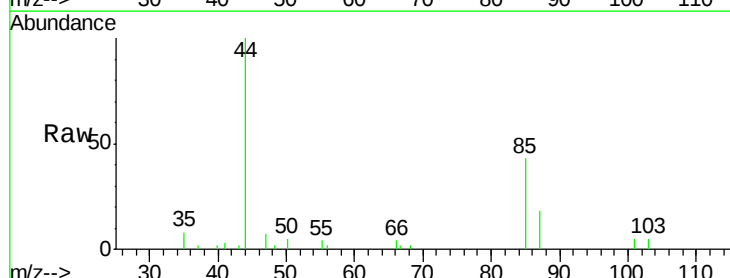
Acq: 11 Sep 2019 21:29

Tgt Ion: 85 Resp: 3174

Ion Ratio Lower Upper

85 100

87 42.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY000005.D (-45) (-)

Ion 86.90 (86.60 to 87.60): VY000005.D (-45) (-)

1.89

2000

1500

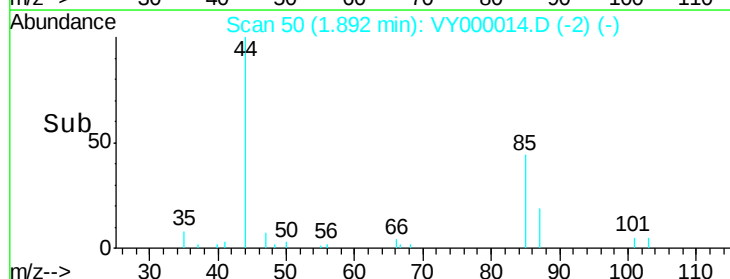
1000

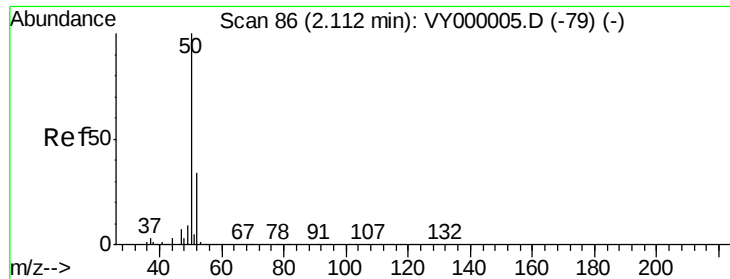
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 3.275 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 50 Resp: 6727

Ion Ratio Lower Upper

50 100

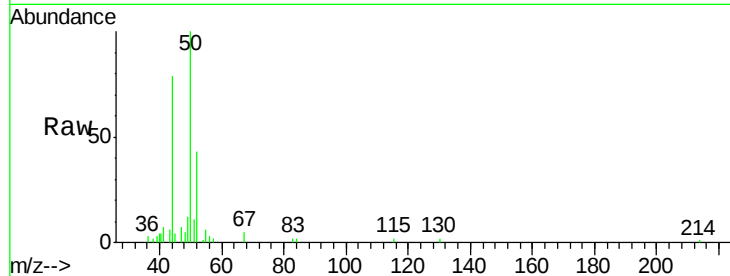
52 43.0 26.8 40.2#

Manual Integrations

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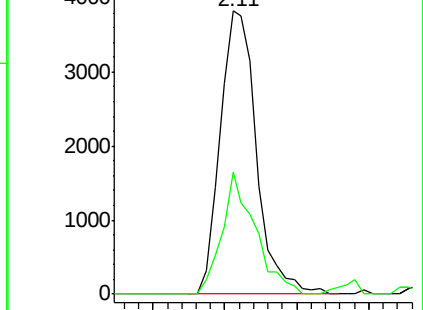
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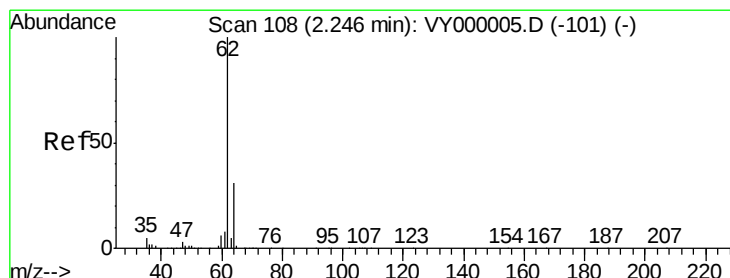
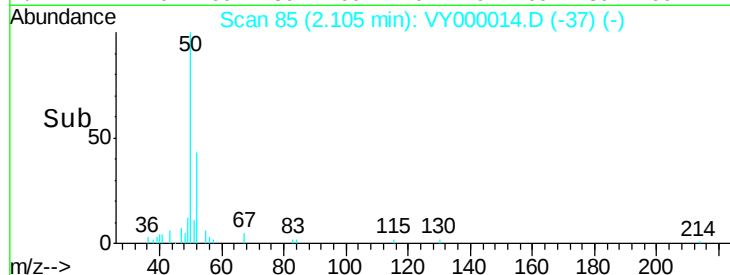


Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



Time-->



#4

Vinyl Chloride

Concen: 2.626 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000014.D

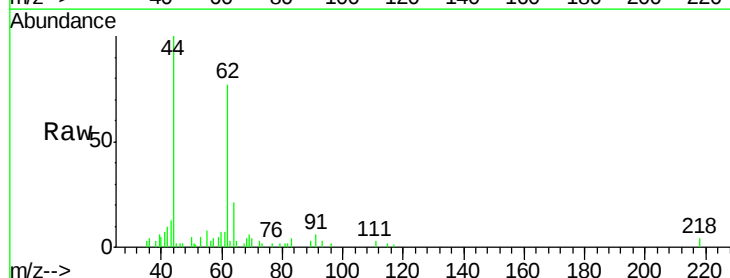
Acq: 11 Sep 2019 21:29

Tgt Ion: 62 Resp: 4433

Ion Ratio Lower Upper

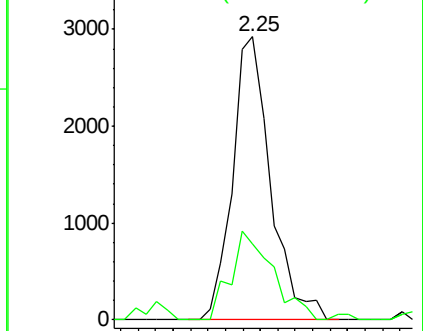
62 100

64 26.8 24.6 37.0

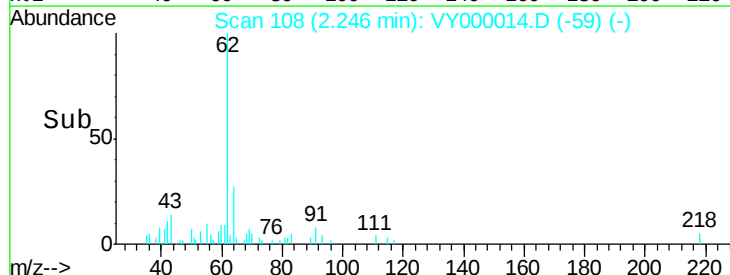


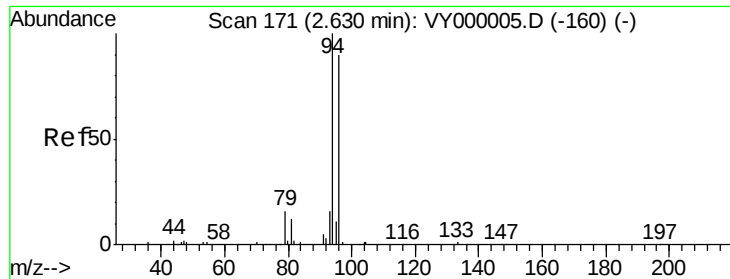
Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0



Time-->





#5

Bromomethane

Concen: 4.065 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 94 Resp: 4004

Ion Ratio Lower Upper

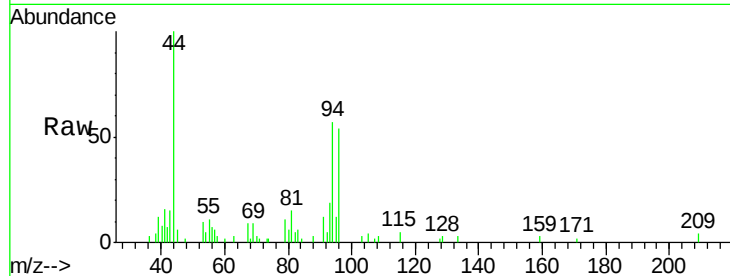
94 100

96 89.6 71.6 107.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2000

1500

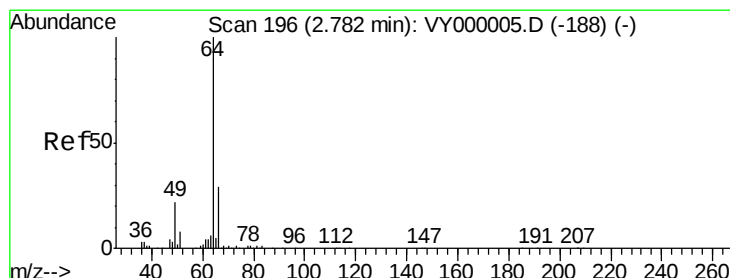
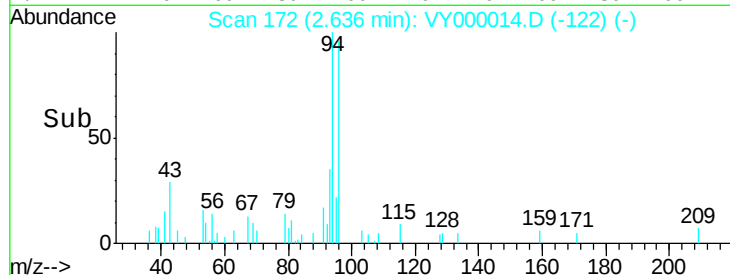
1000

500

0

2.55 2.60 2.65 2.70

Time-->



#6

Chloroethane

Concen: 2.840 ug/l

RT: 2.78 min Scan# 195

Delta R.T. -0.01 min

Lab File: VY000014.D

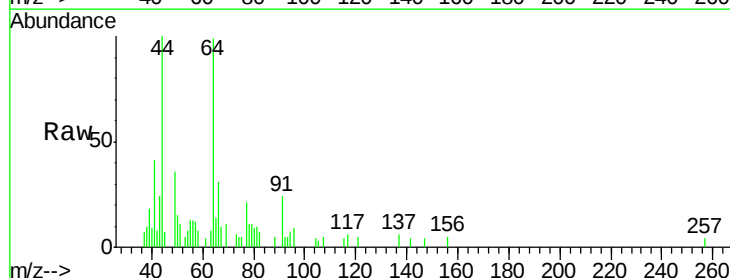
Acq: 11 Sep 2019 21:29

Tgt Ion: 64 Resp: 3161

Ion Ratio Lower Upper

64 100

66 22.6 23.5 35.3#



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

1500

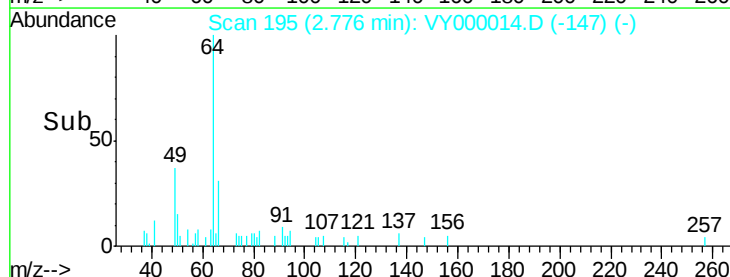
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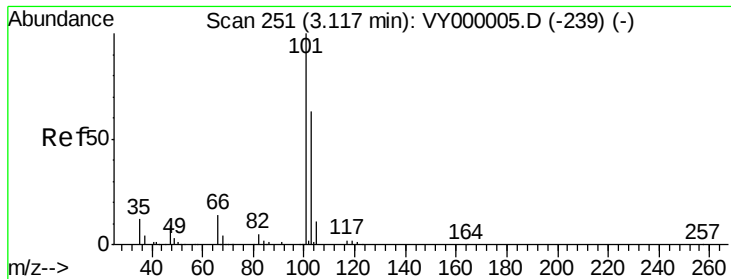
500

0

2.70 2.75 2.80 2.85

Time-->





#7

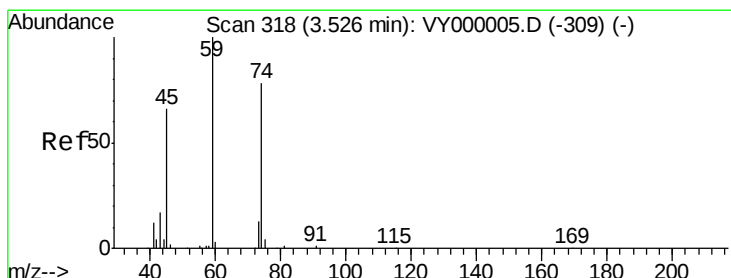
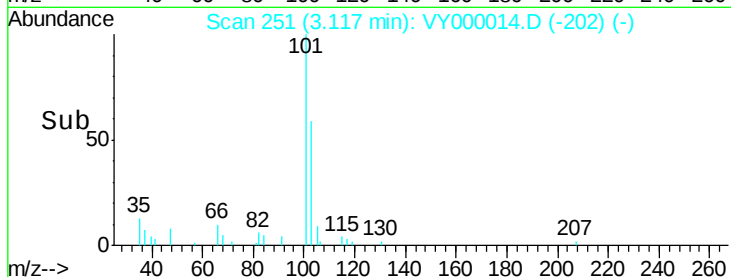
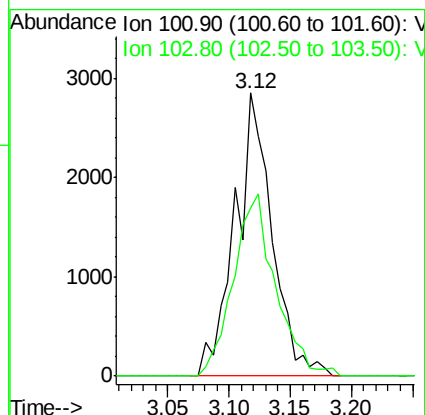
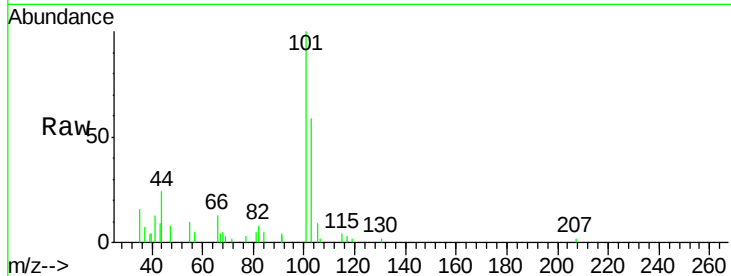
Trichlorofluoromethane
 Concen: 2.878 ug/l
 RT: 3.12 min Scan# 251
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
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 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.2	50.0	75.0

Manual Integrations
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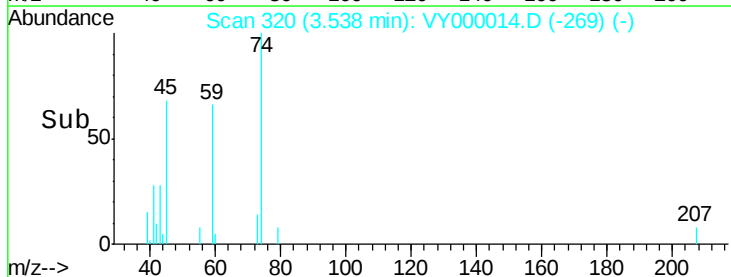
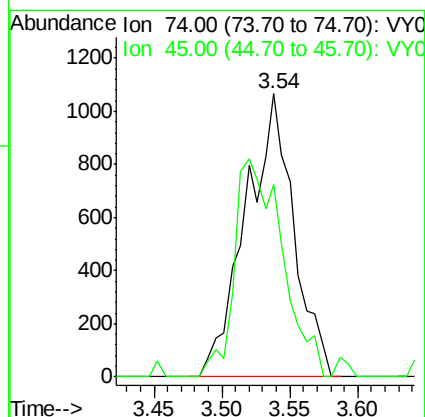
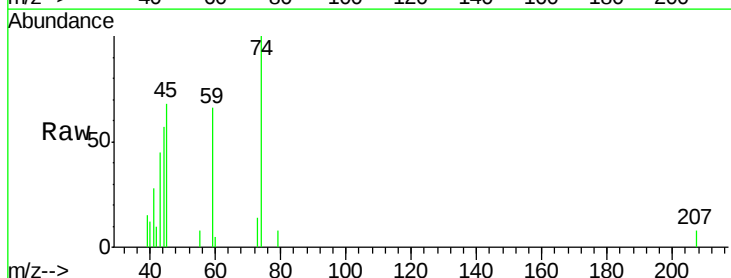
MMDadoda
 9/13/2019 11:51:45 PM

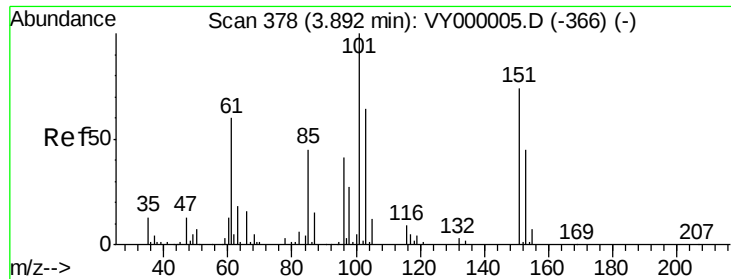


#8

Diethyl Ether
 Concen: 3.224 ug/l
 RT: 3.54 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.8	40.5	121.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.566 ug/l m

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

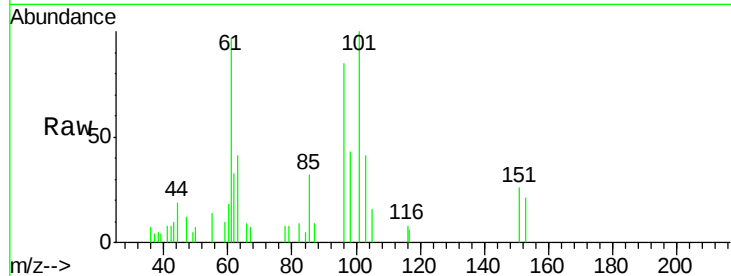
ClientSampleId :

MDL 3 PPB

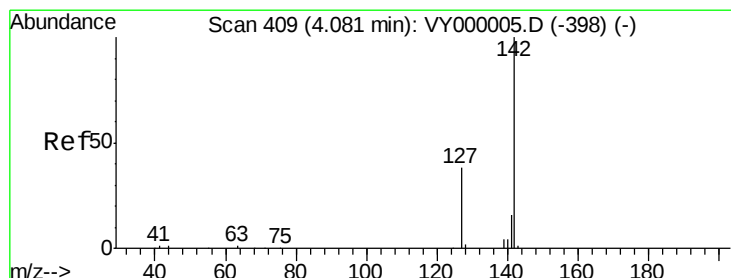
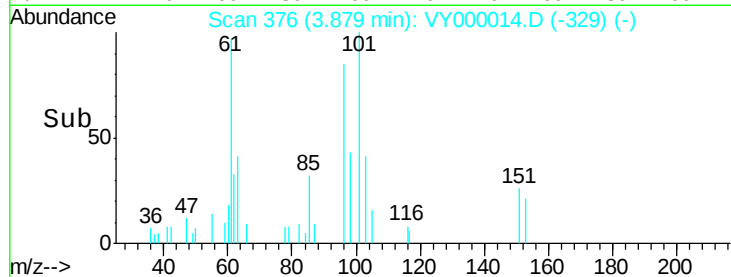
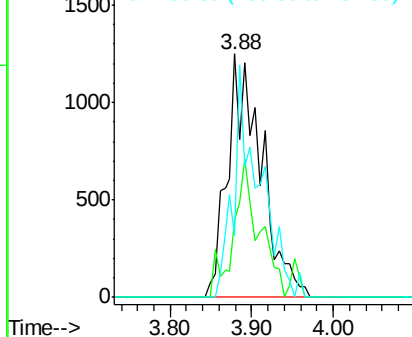
Tot Ion:	101	Resp:	3571
Ion Ratio	Lower	Upper	
101	100		
85	39.9	34.0	51.0
151	71.4	57.3	85.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.122 ug/l

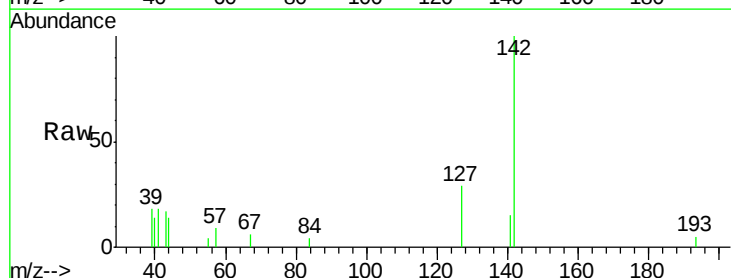
RT: 4.09 min Scan# 410

Delta R.T. 0.01 min

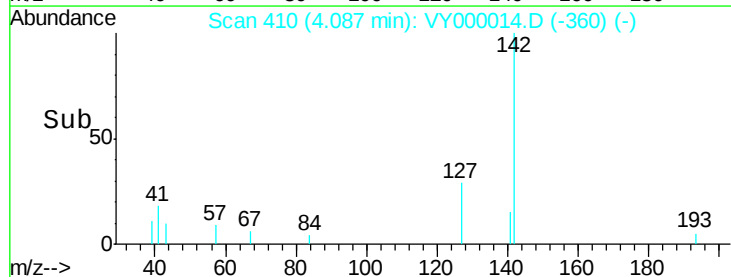
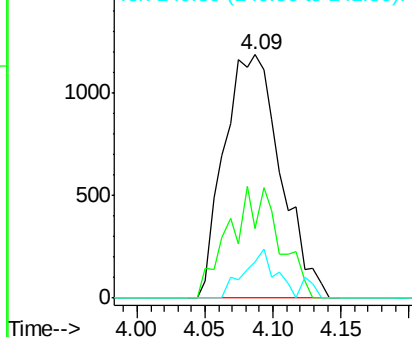
Lab File: VY000014.D

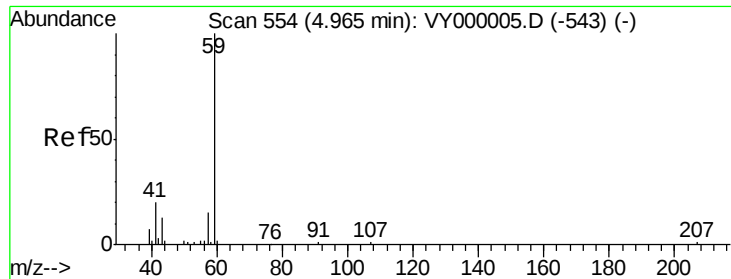
Acq: 11 Sep 2019 21:29

Tgt Ion:	142	Resp:	3437
Ion Ratio	Lower	Upper	
142	100		
127	40.6	30.0	45.0
141	11.1	11.0	16.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





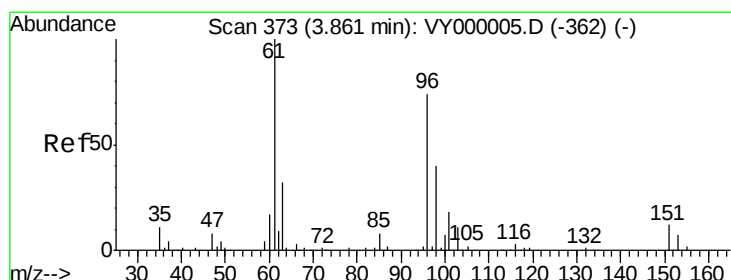
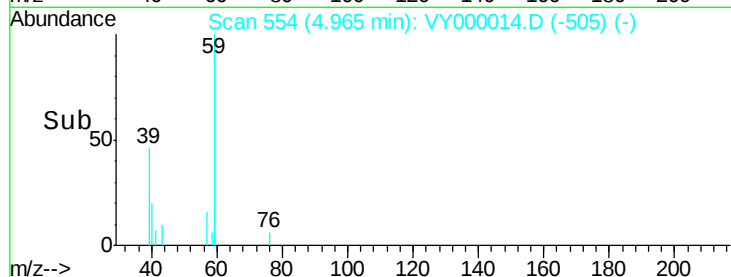
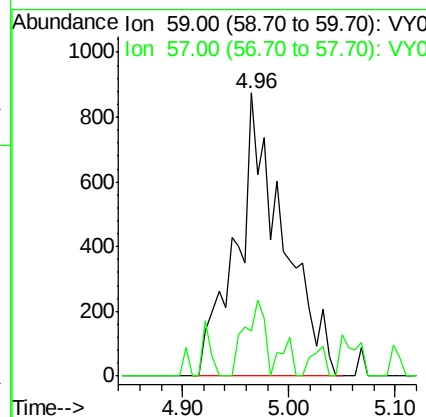
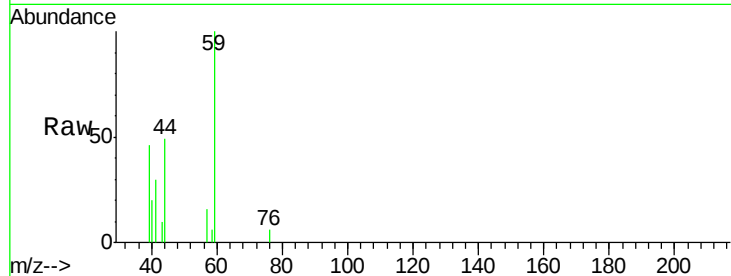
#11
Tert butyl alcohol
Concen: 14.924 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.9	13.3

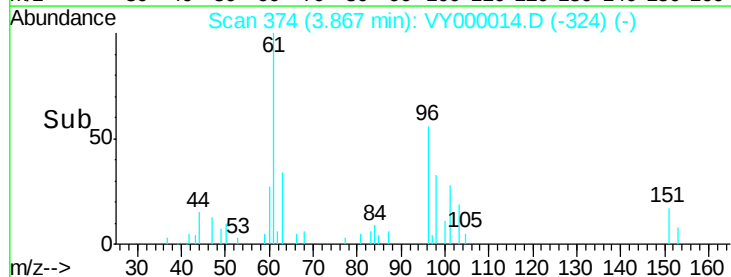
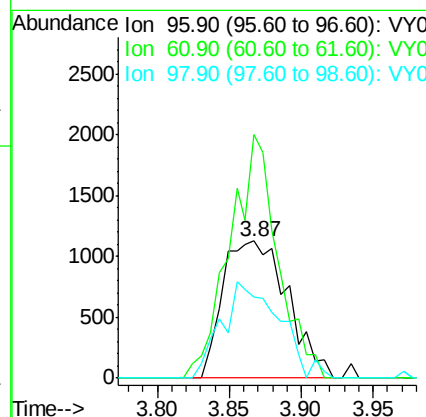
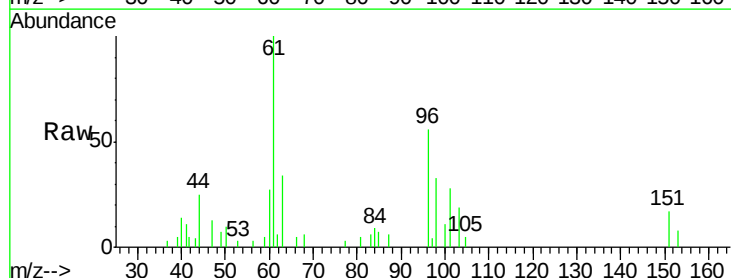
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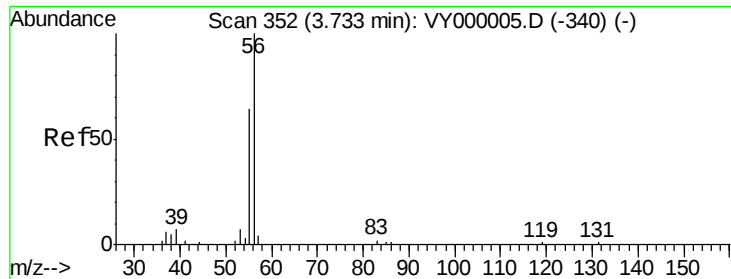
MMDadoda
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#12
1,1-Dichloroethene
Concen: 2.613 ug/l
RT: 3.87 min Scan# 374
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.3	108.1	162.1#
98	59.2	42.8	64.2





#13

Acrolein

Concen: 19.546 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 56 Resp: 2827

Ion Ratio Lower Upper

56 100

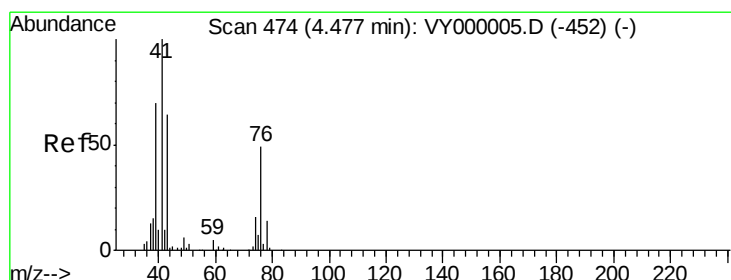
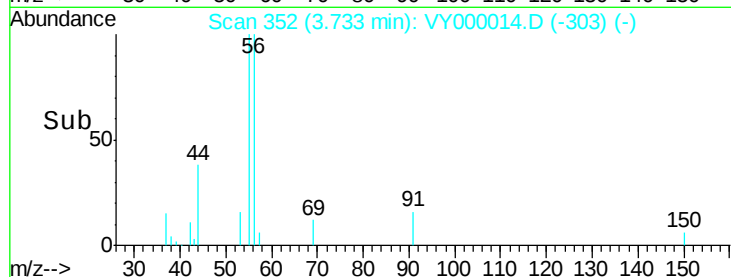
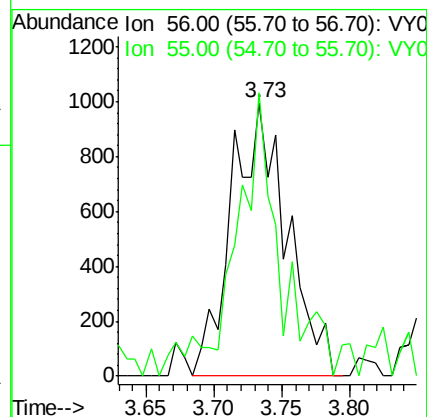
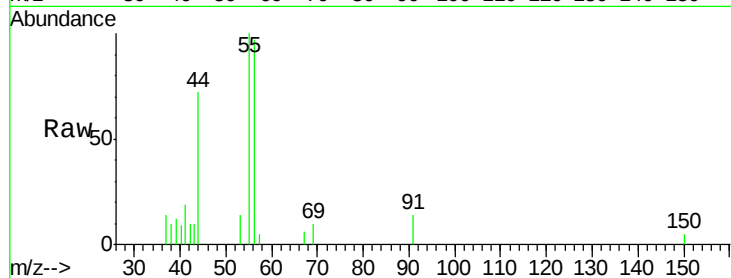
55 75.0 53.3 79.9

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#14

Allyl chloride

Concen: 3.199 ug/l

RT: 4.48 min Scan# 475

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

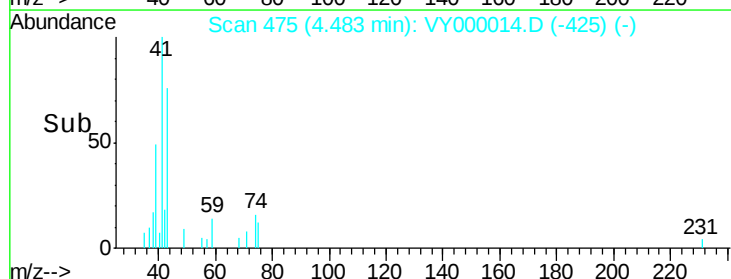
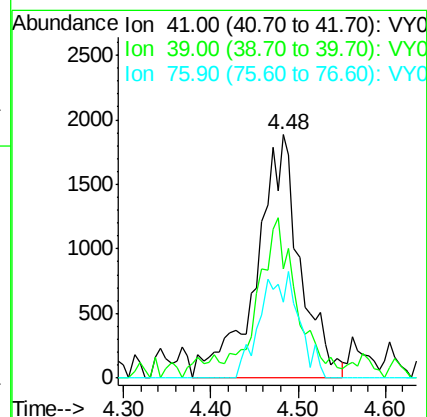
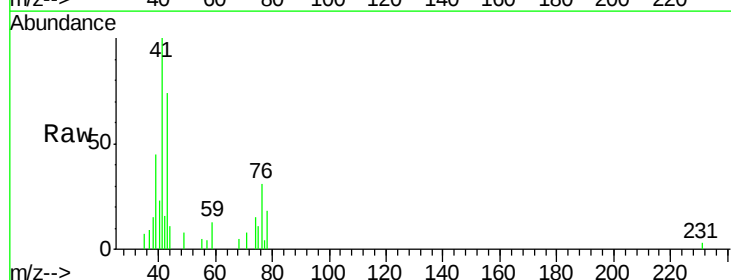
Tgt Ion: 41 Resp: 6556

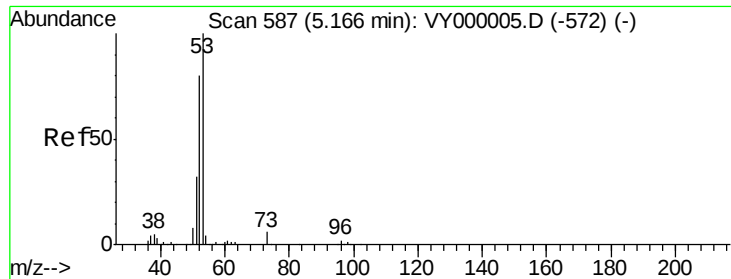
Ion Ratio Lower Upper

41 100

39 54.9 52.4 78.6

76 37.9 33.3 49.9





#15

Acrylonitrile

Concen: 12.709 ug/l

RT: 5.17 min Scan# 588

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

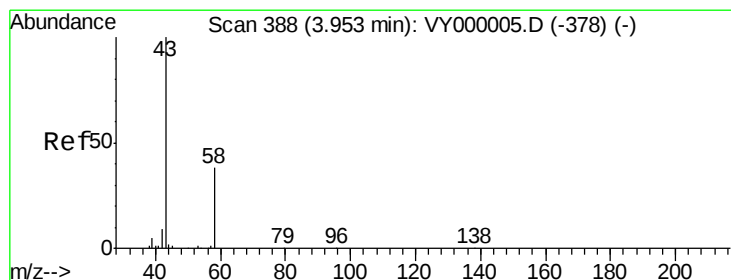
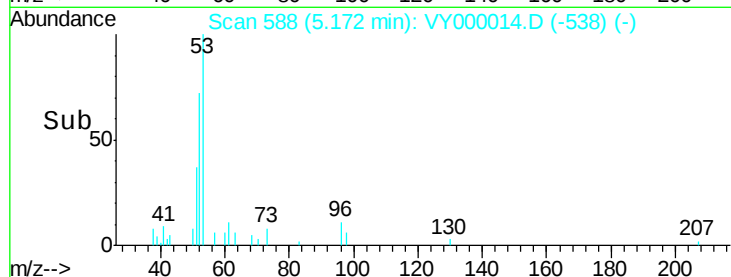
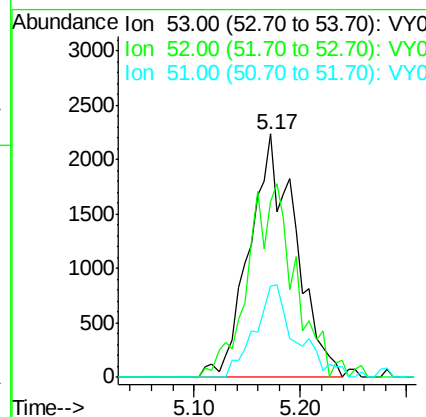
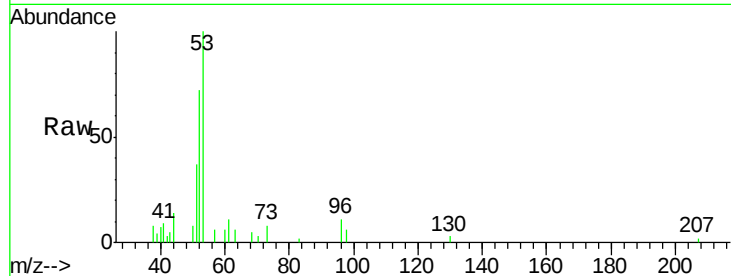
ClientSampleId :

MDL 3 PPB

Tot Ion:	53	Resp:	6799
Ion	Ratio	Lower	Upper
53	100		
52	34.0	64.4	96.6#
51	33.9	27.1	40.7

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#16

Acetone

Concen: 14.242 ug/l

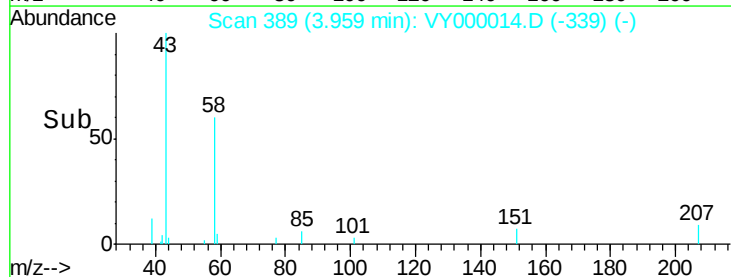
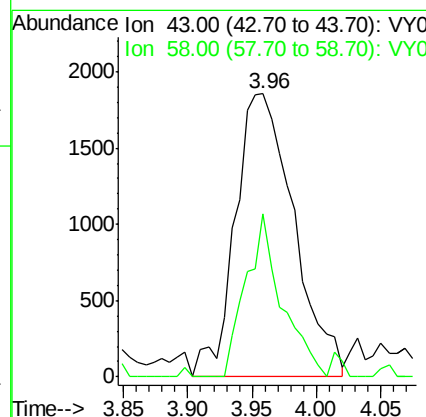
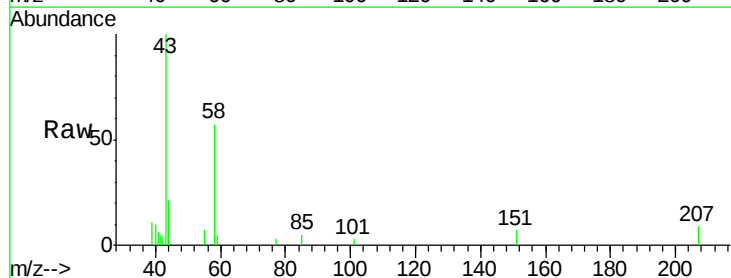
RT: 3.96 min Scan# 389

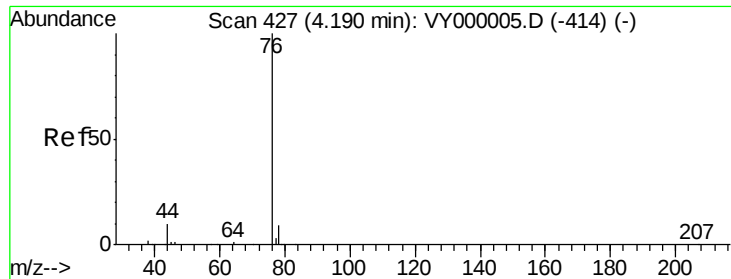
Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion:	43	Resp:	5867
Ion	Ratio	Lower	Upper
43	100		
58	57.4	30.5	45.7#





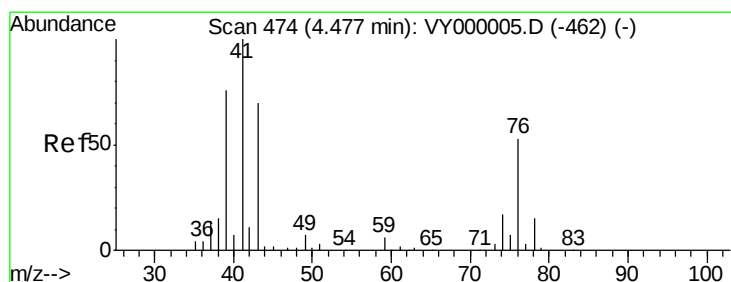
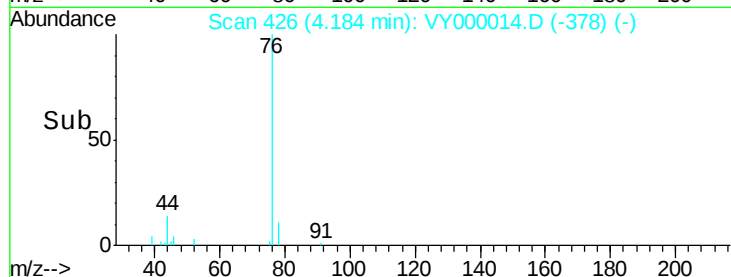
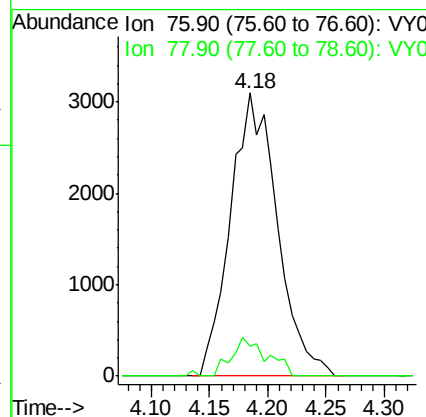
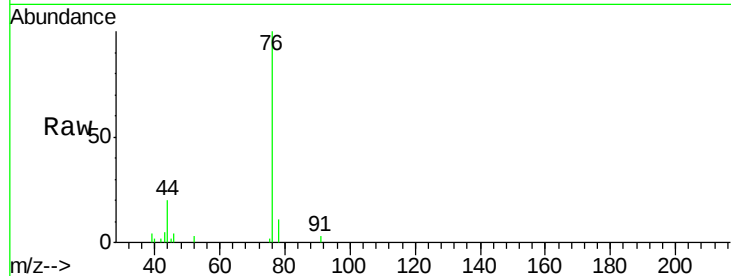
#17
Carbon Disulfide
Concen: 3.069 ug/l
RT: 4.18 min Scan# 426
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 76 Resp: 8663
Ion Ratio Lower Upper
76 100
78 10.5 7.2 10.8

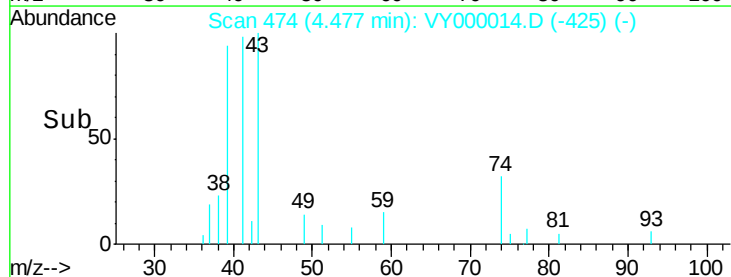
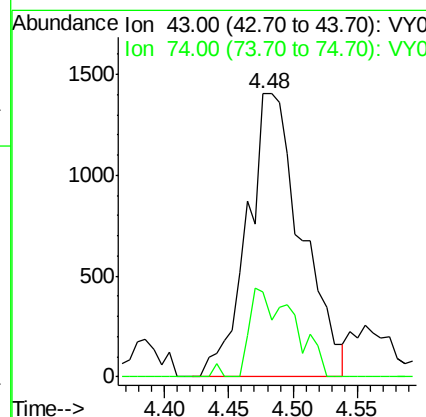
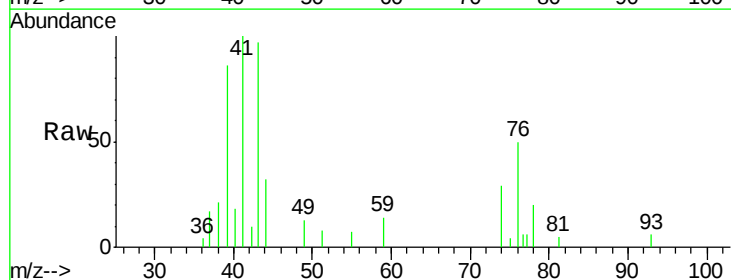
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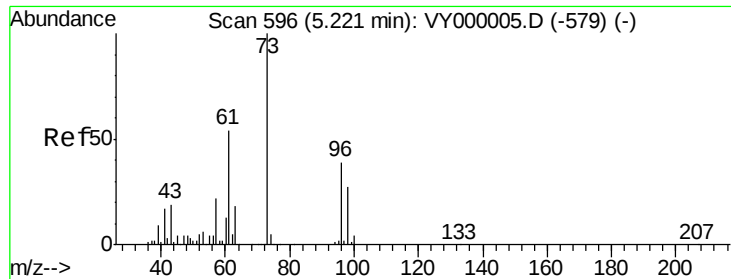
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#18
Methyl Acetate
Concen: 3.276 ug/l
RT: 4.48 min Scan# 474
Delta R.T. 0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 43 Resp: 4099
Ion Ratio Lower Upper
43 100
74 12.1 21.4 32.2#





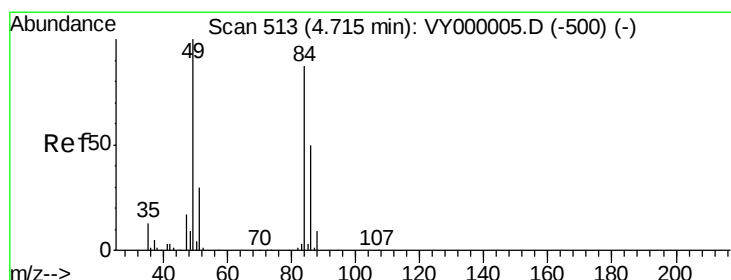
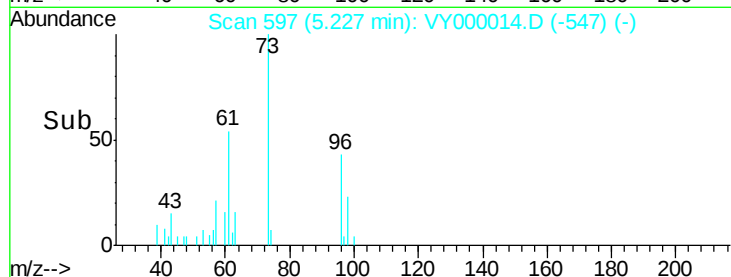
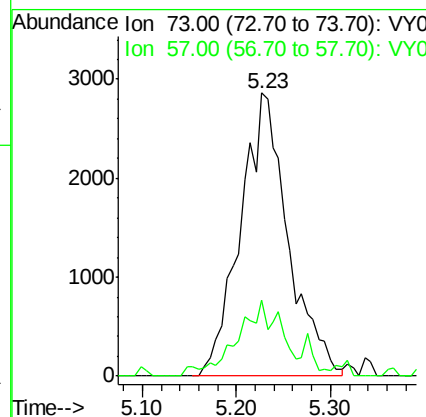
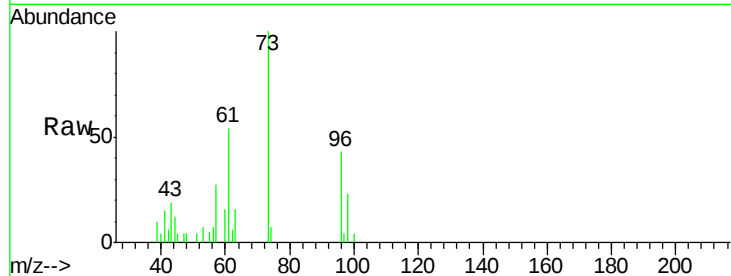
#19
Methvl tert-butvl Ether
Concen: 2.672 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 73 Resp: 10138
Ion Ratio Lower Upper
73 100
57 23.6 18.2 27.4

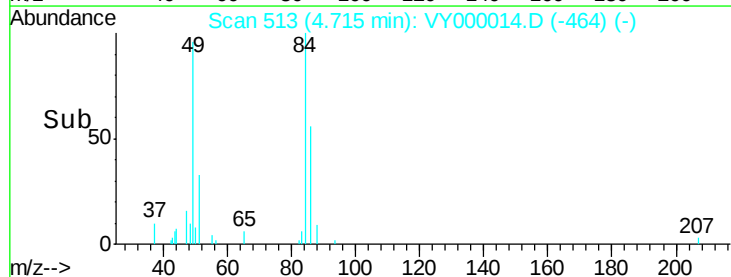
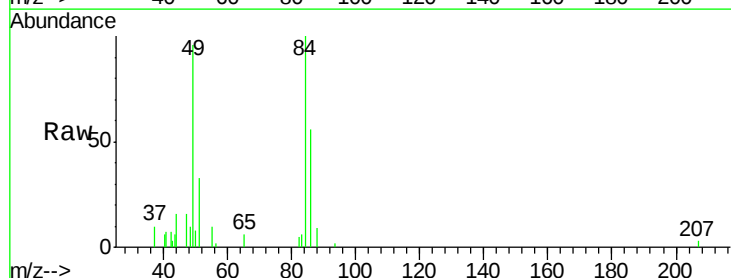
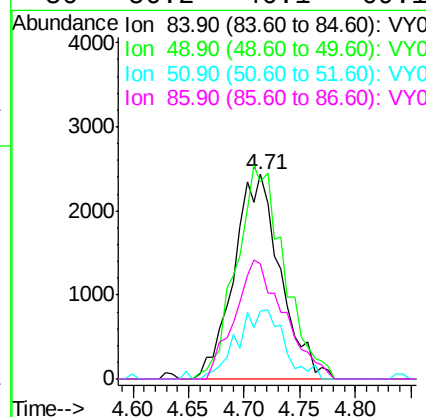
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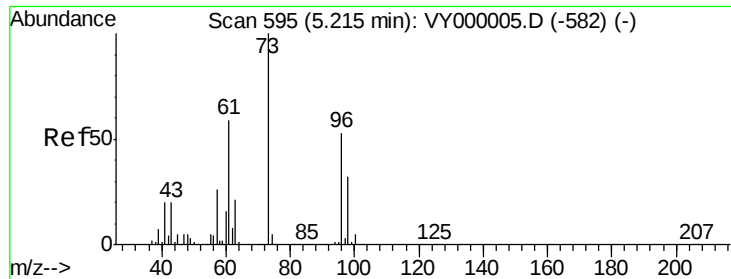
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#20
Methylene Chloride
Concen: 4.161 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 84 Resp: 7051
Ion Ratio Lower Upper
84 100
49 96.3 91.7 137.5
51 33.0 28.0 42.0
86 56.2 46.1 69.1





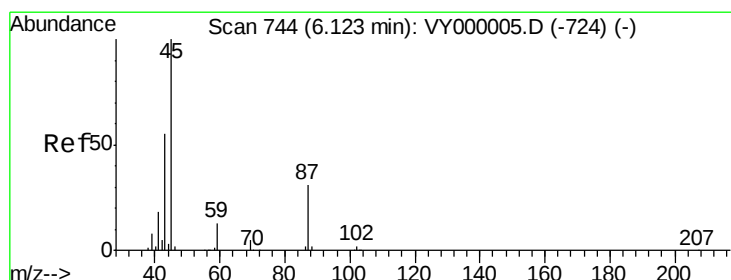
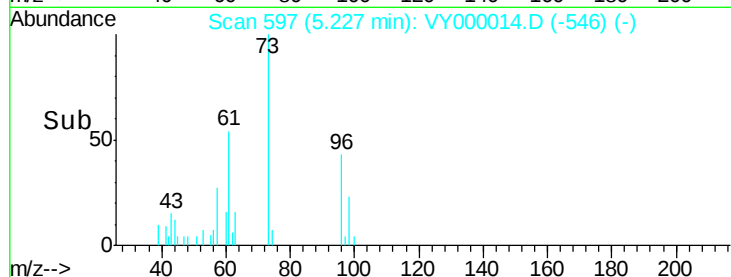
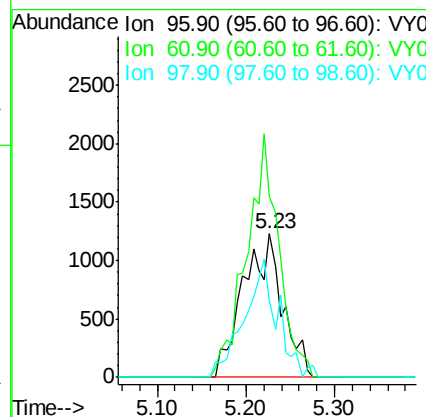
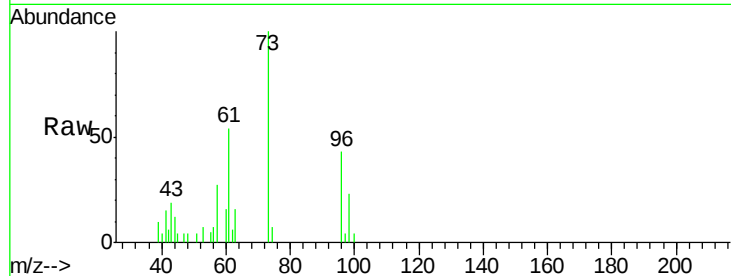
#21
trans-1,2-Dichloroethene
Concen: 2.580 ug/l m
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.7	89.4	134.2
98	53.4	48.6	73.0

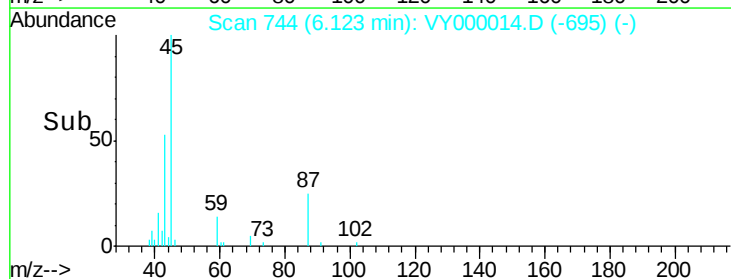
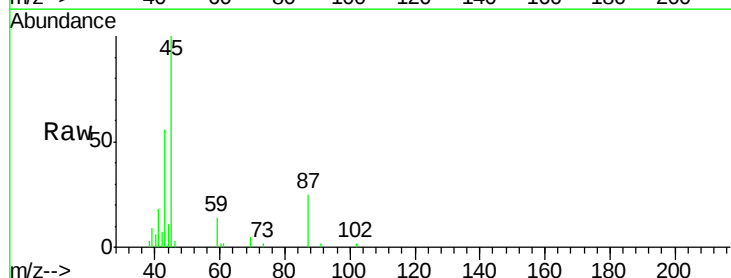
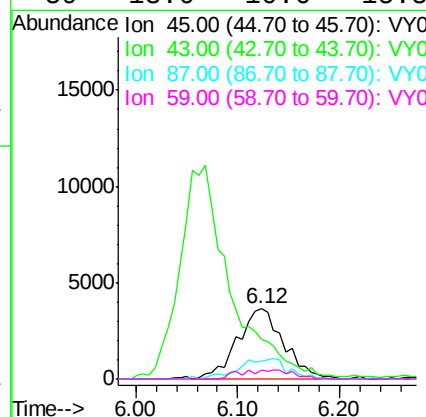
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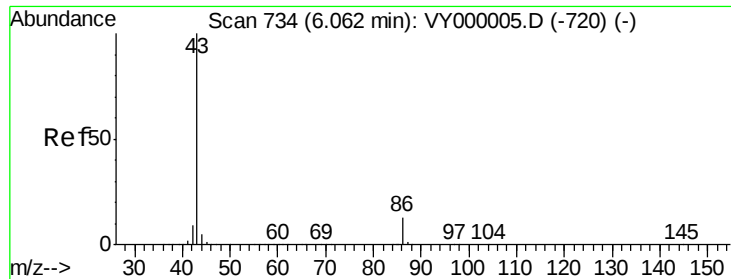
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#22
Diisopropyl ether
Concen: 2.560 ug/l
RT: 6.12 min Scan# 744
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.1	45.2	67.8
87	24.8	25.3	37.9
59	13.6	10.6	15.8





#23

Vinyl Acetate

Concen: 12.775 ug/l

RT: 6.07 min Scan# 735

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 43 Resp: 38584

Ion Ratio Lower Upper

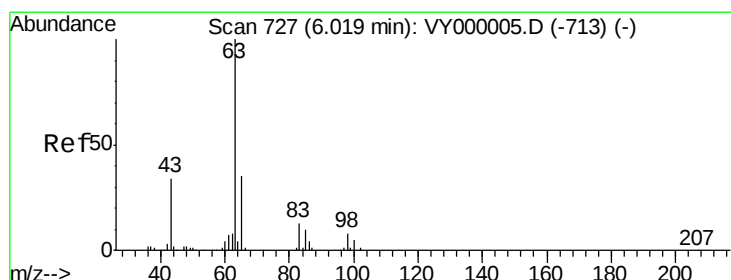
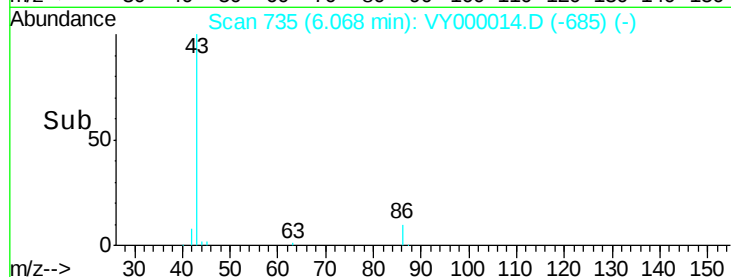
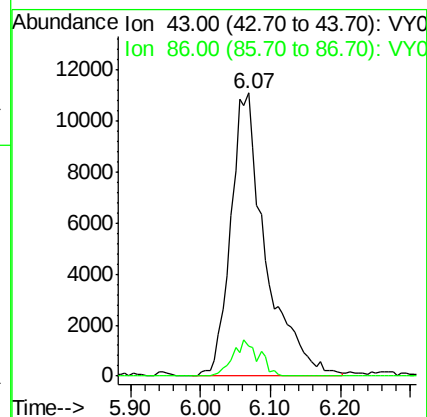
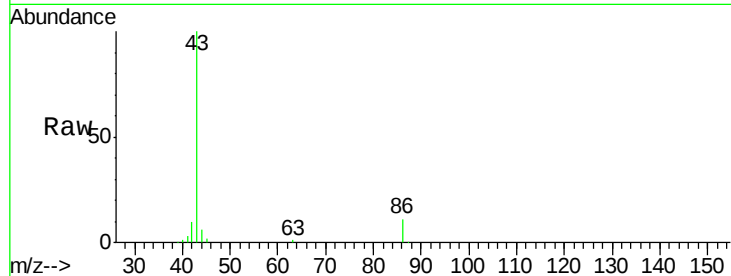
43 100

86 10.7 10.3 15.5

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#24

1,1-Dichloroethane

Concen: 2.648 ug/l

RT: 6.03 min Scan# 729

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

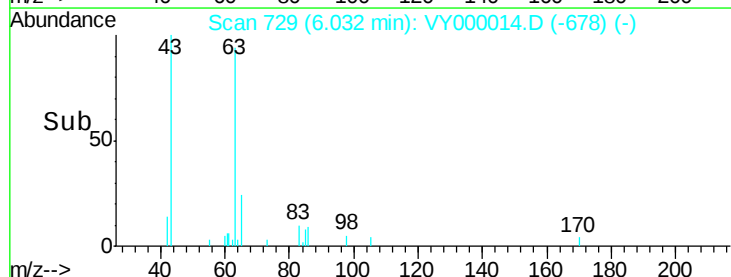
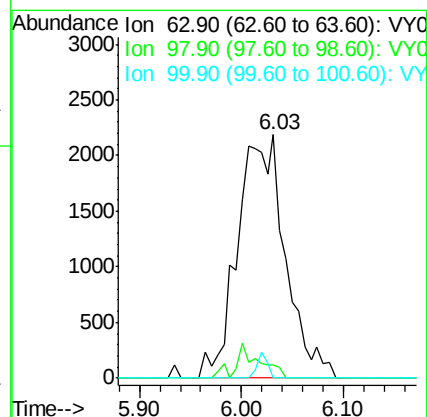
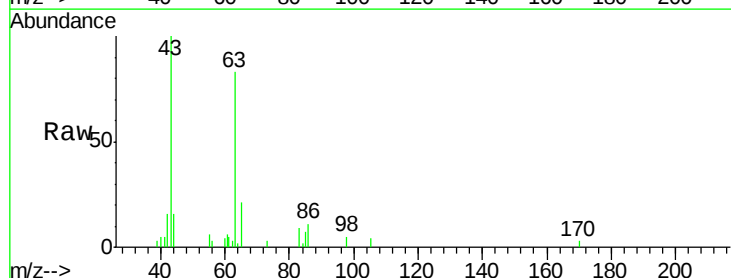
Tgt Ion: 63 Resp: 7067

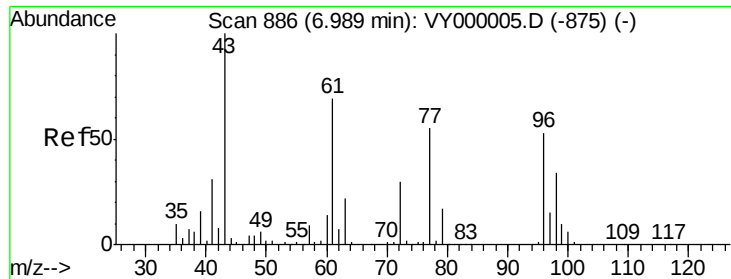
Ion Ratio Lower Upper

63 100

98 5.6 4.0 12.0

100 0.0 2.5 7.5#





#25

2-Butanone

Concen: 11.715 ug/l

RT: 6.99 min Scan# 887

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 43 Resp: 7620

Ion Ratio Lower Upper

43 100

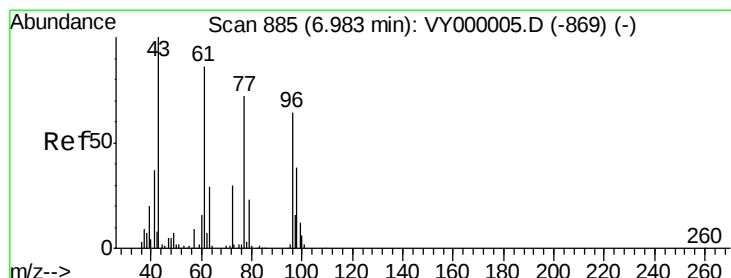
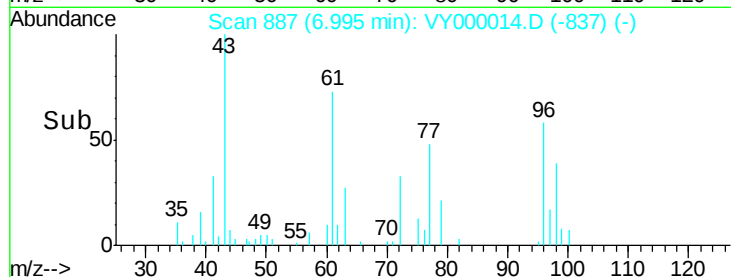
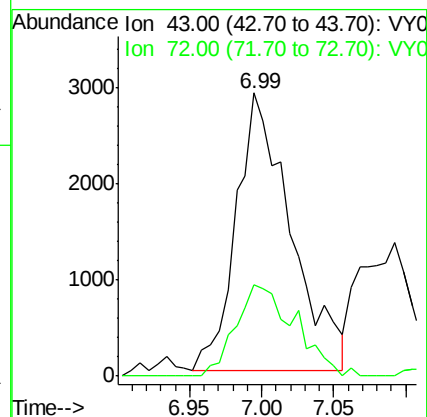
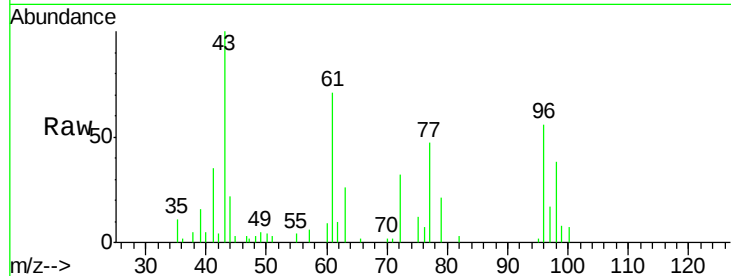
72 32.9 24.2 36.2

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#26

2,2-Dichloropropane

Concen: 2.395 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000014.D

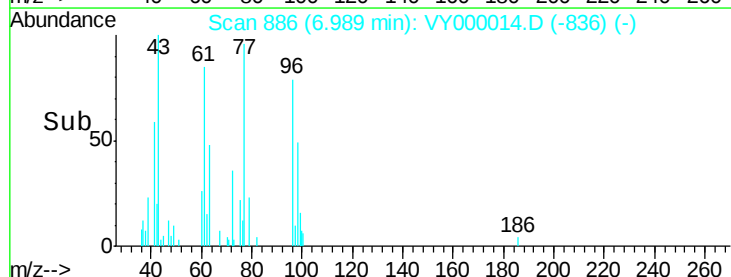
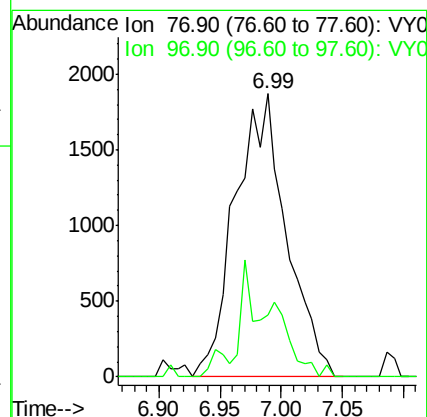
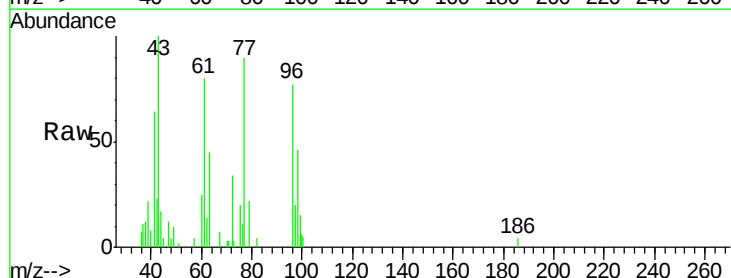
Acq: 11 Sep 2019 21:29

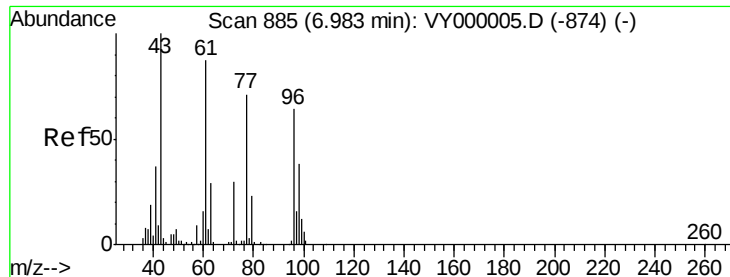
Tgt Ion: 77 Resp: 5465

Ion Ratio Lower Upper

77 100

97 12.9 12.6 37.6





#27

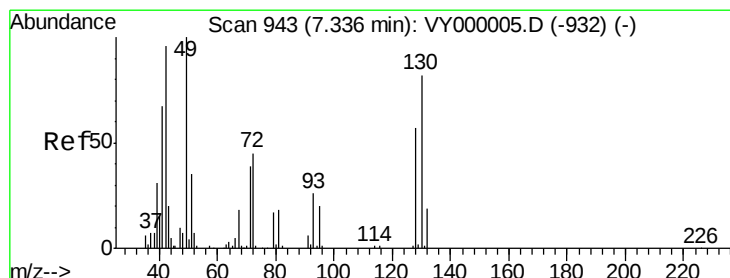
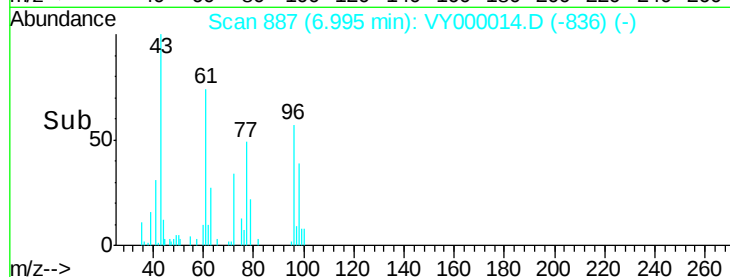
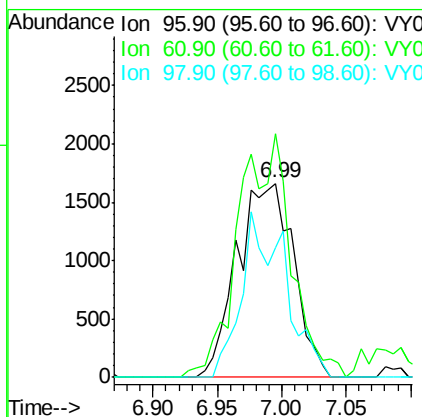
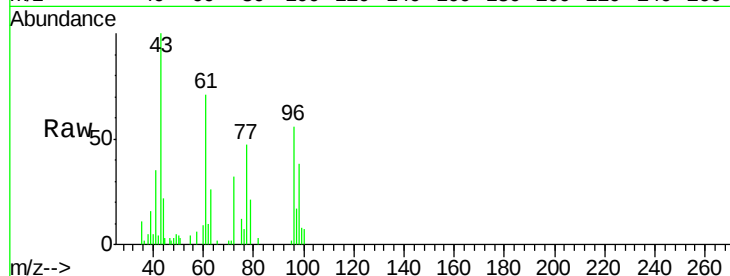
cis-1,2-Dichloroethene
Concen: 2.783 ug/l
RT: 6.99 min Scan# 887
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
96	100		
61	57.5	0.0	259.0
98	66.2	0.0	129.8

Manual Integrations
APPROVED

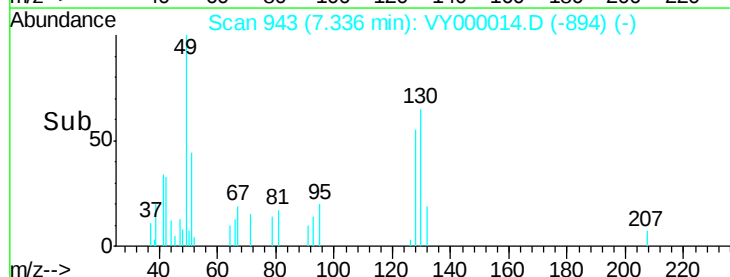
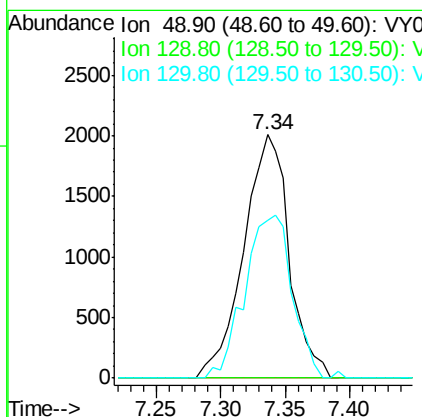
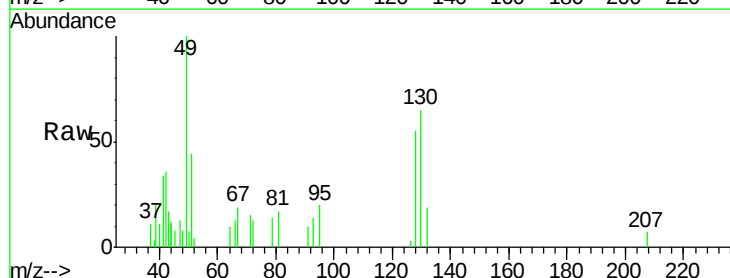
MMDadoda
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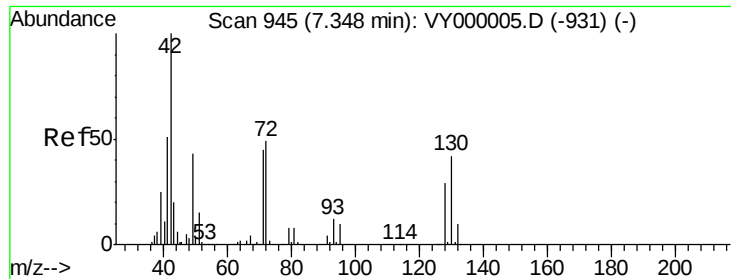


#28

Bromochloromethane
Concen: 3.980 ug/l
RT: 7.34 min Scan# 943
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	70.1	65.3	97.9





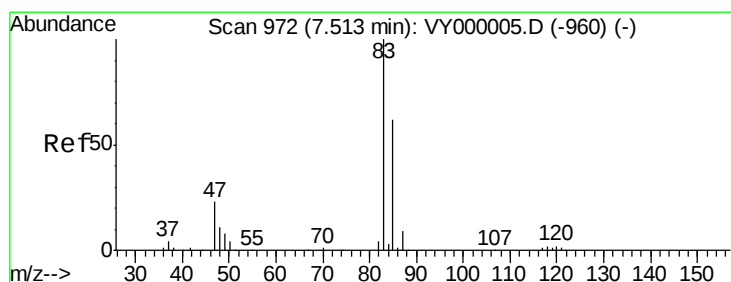
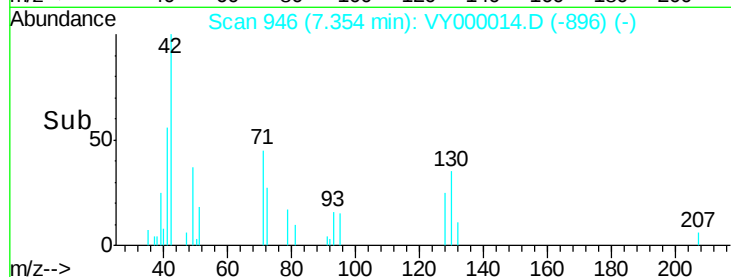
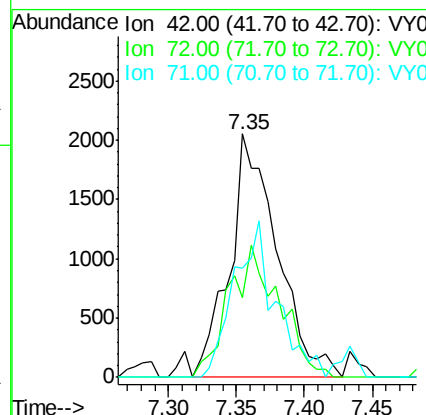
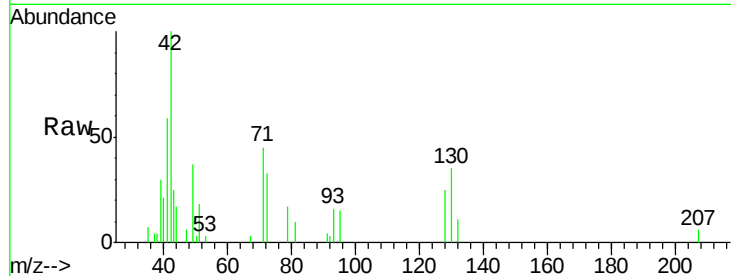
#29
Tetrahydrofuran
Concen: 12.332 ug/l
RT: 7.35 min Scan# 946
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.6	39.2	58.8
71	56.2	36.4	54.6

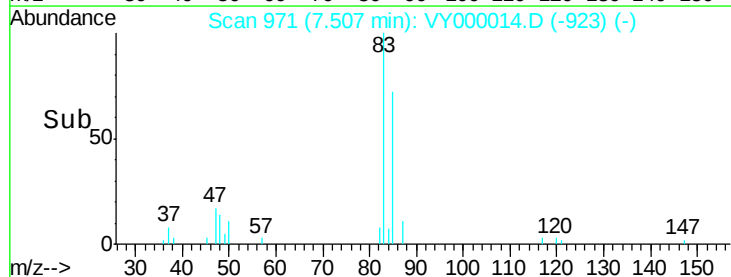
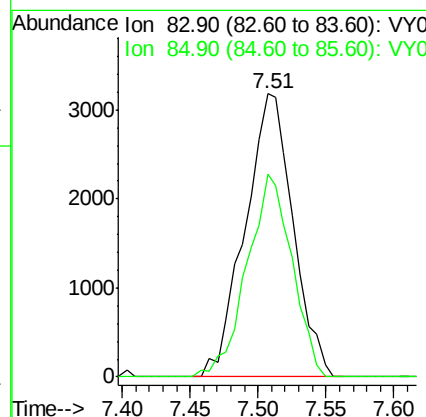
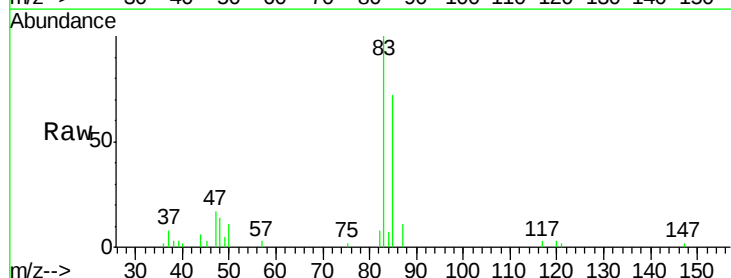
Manual Integrations
APPROVED

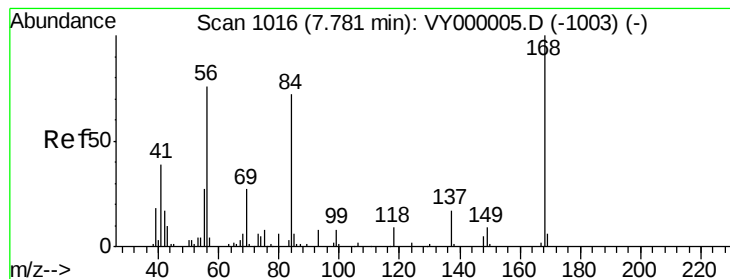
MMDadoda
9/13/2019 11:51:45 PM



#30
Chloroform
Concen: 2.905 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.5	49.4	74.0





#31

Cyclohexane

Concen: 4.140 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 56 Resp: 9559

Ion Ratio Lower Upper

56 100

69 71.8 28.5 42.7#

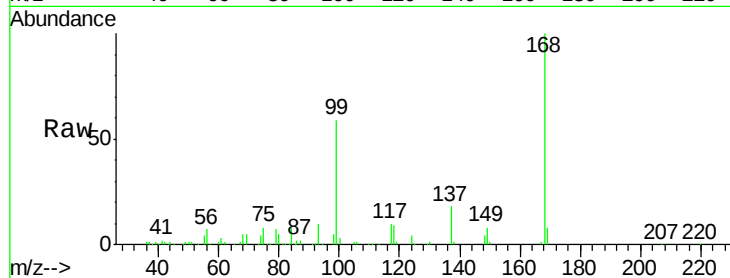
84 111.7 76.4 114.6

Manual Integrations

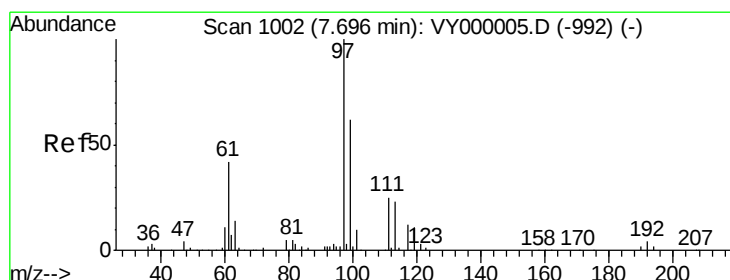
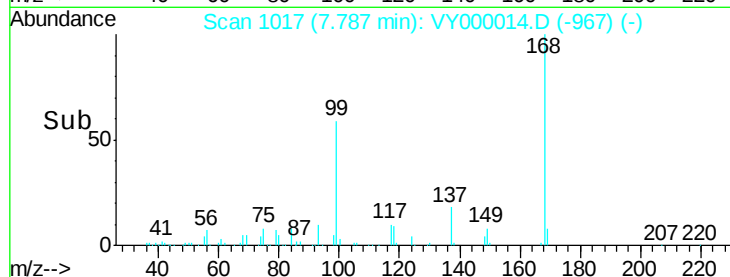
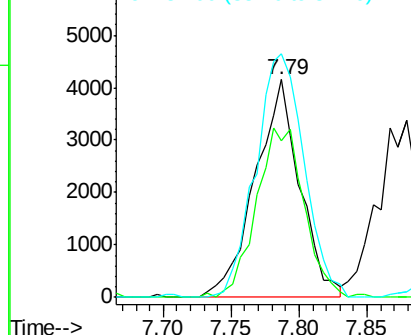
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 2.444 ug/l

RT: 7.70 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

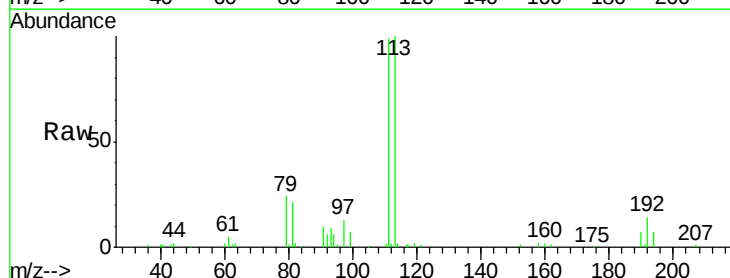
Tgt Ion: 97 Resp: 5448

Ion Ratio Lower Upper

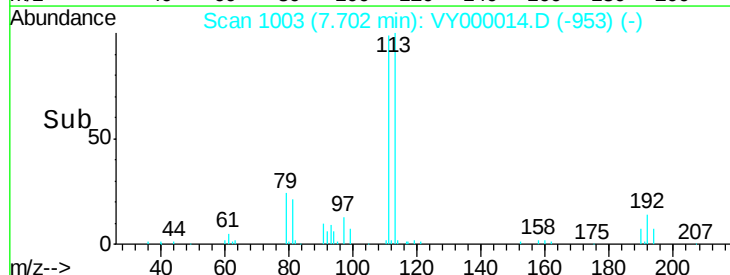
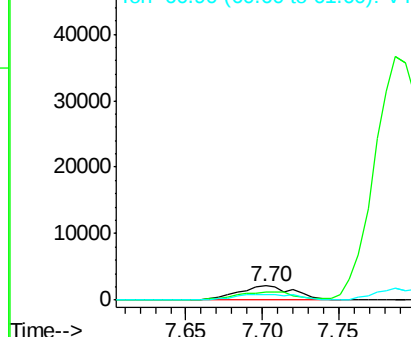
97 100

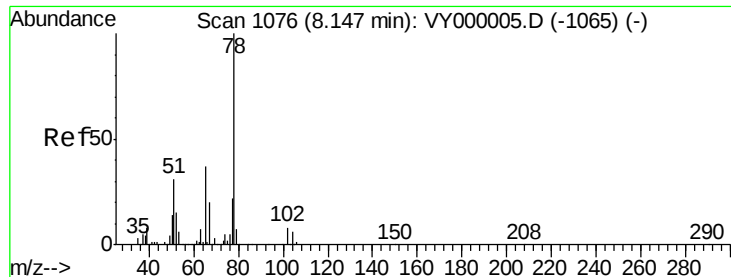
99 59.7 50.3 75.5

61 49.5 35.0 52.4



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: 49.388 ug/l

RT: 8.15 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 65 Resp: 72917

Ion Ratio Lower Upper

65 100

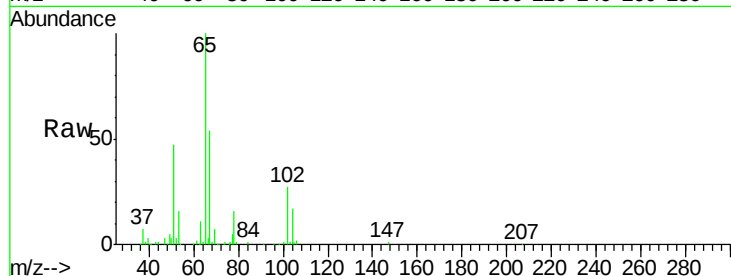
67 55.4 0.0 111.4

Manual Integrations

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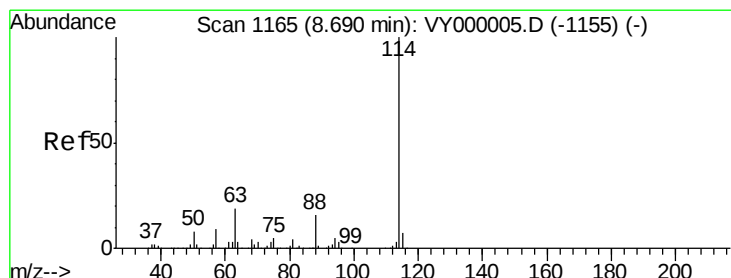
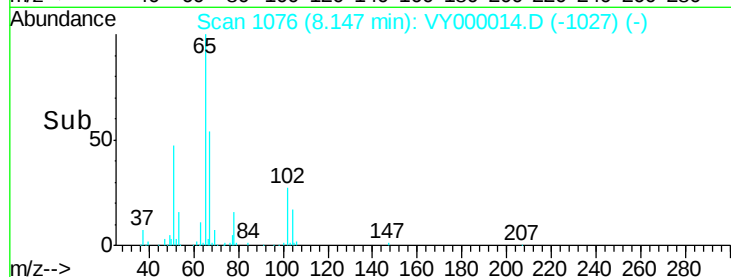
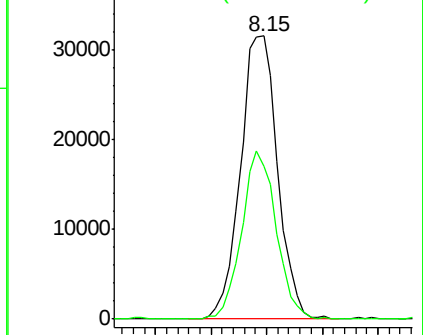
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Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1165

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

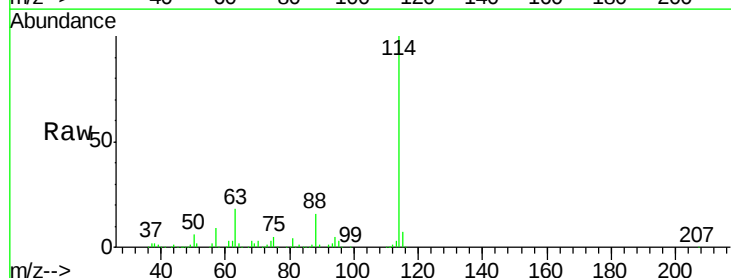
Tgt Ion: 114 Resp: 285998

Ion Ratio Lower Upper

114 100

63 17.7 0.0 37.4

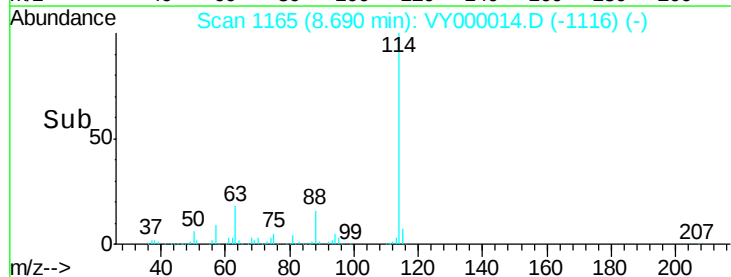
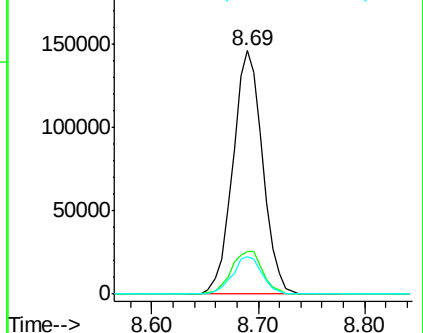
88 15.5 0.0 32.6

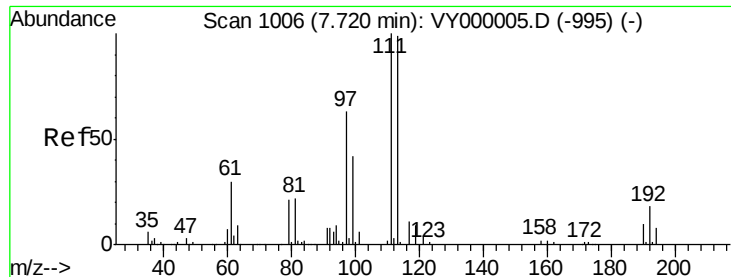


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





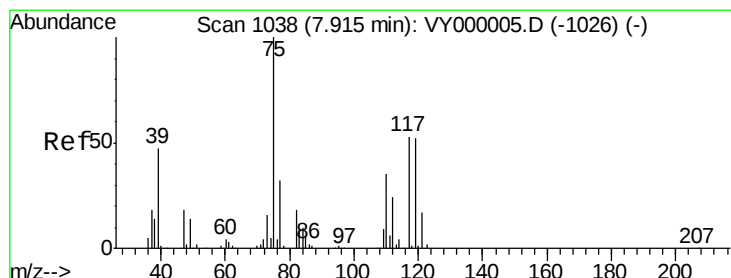
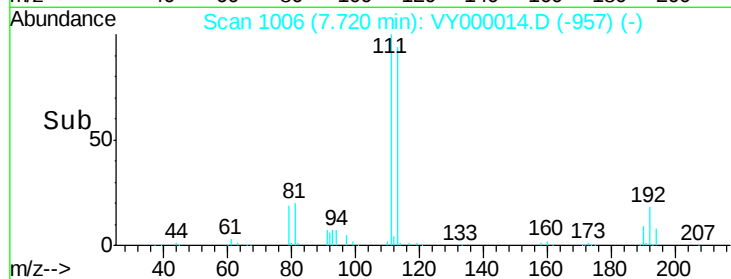
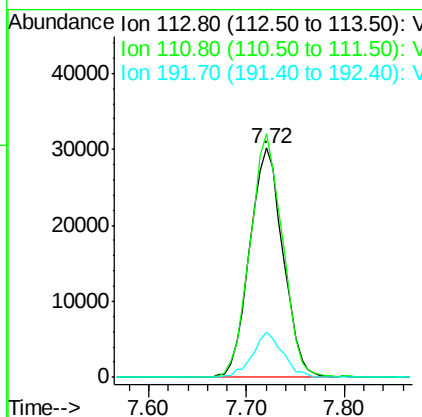
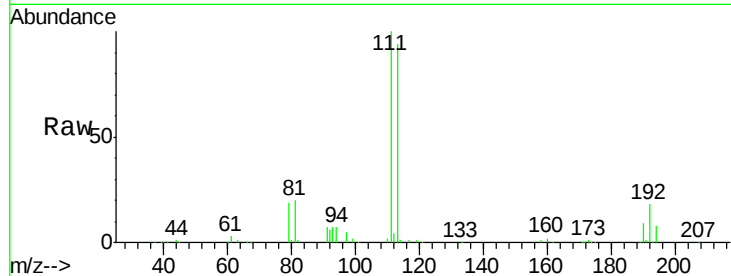
#35
 Dibromofluoromethane
 Concen: 44.604 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
113	100	71311		
111	103.5	81.6	122.4	
192	17.9	15.2	22.8	

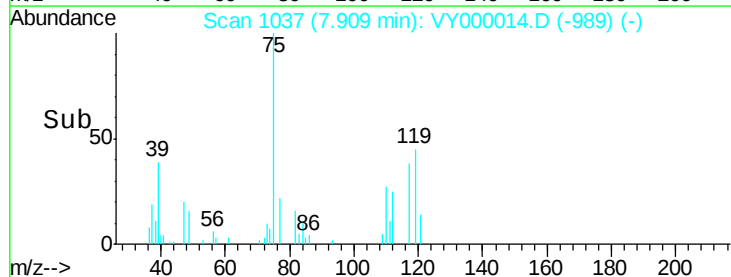
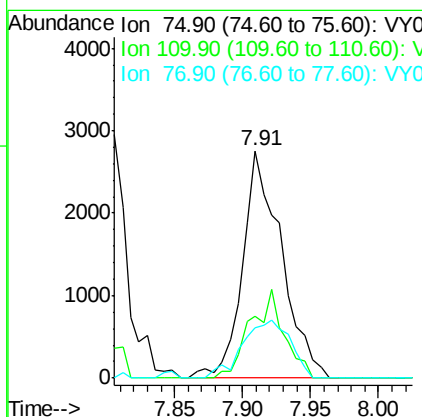
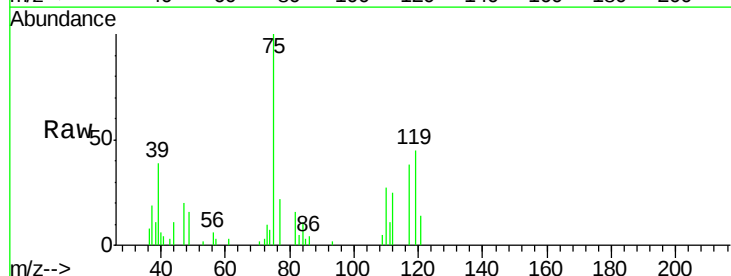
Manual Integrations
 APPROVED

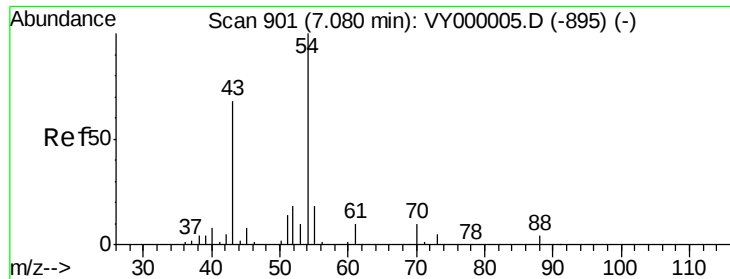
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#36
 1,1-Dichloropropene
 Concen: 2.659 ug/l
 RT: 7.91 min Scan# 1037
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	5498		
110	34.0	18.7	56.1	
77	31.4	25.6	38.4	





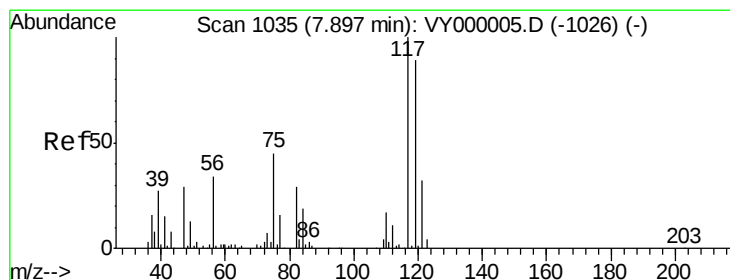
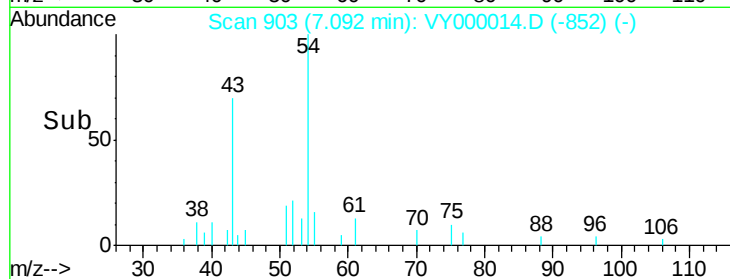
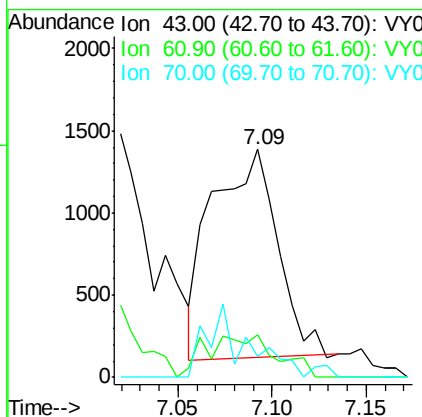
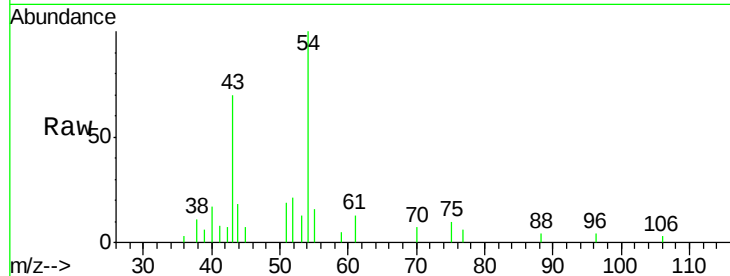
#37
Ethyl Acetate
Concen: 2.151 ug/l
RT: 7.09 min Scan# 903
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.8	13.0	19.4#
70	21.7	11.0	16.4#

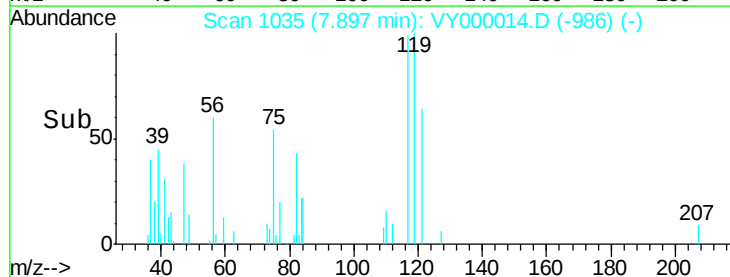
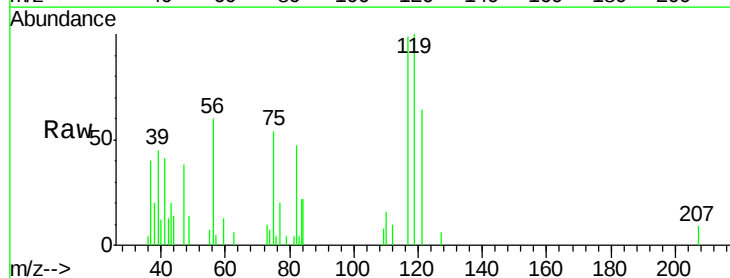
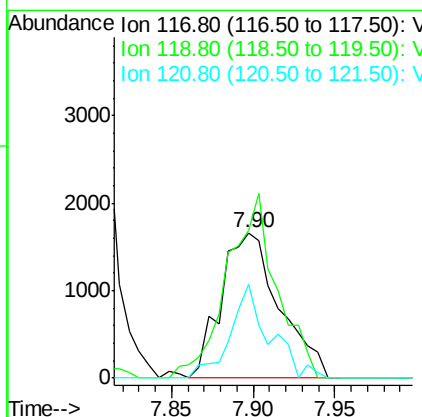
Manual Integrations
APPROVED

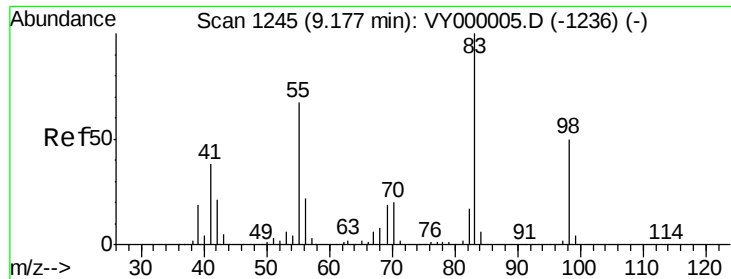
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#38
Carbon Tetrachloride
Concen: 2.096 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.3	71.5	107.3
121	64.9	25.3	37.9#





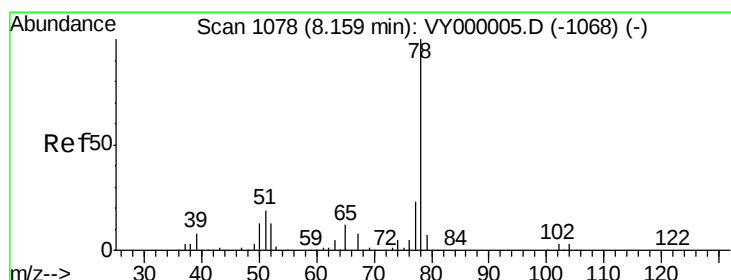
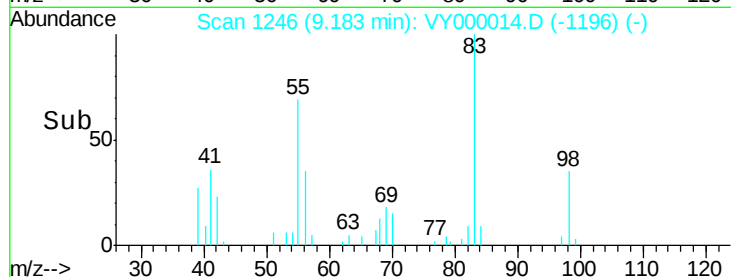
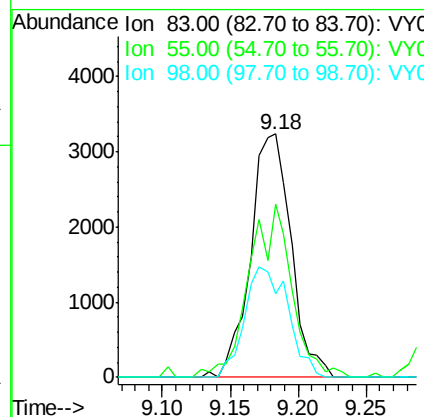
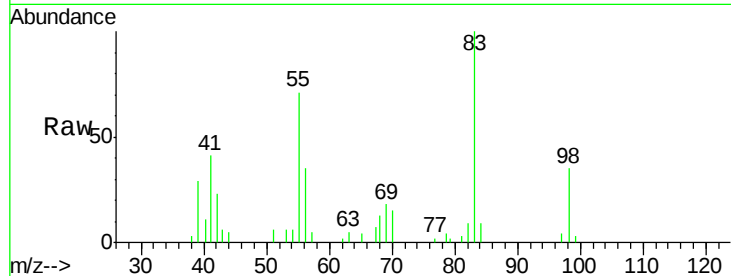
#39
Methvlcvclohexane
Concen: 2.655 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	53.8	80.6
98	34.5	40.0	60.0#

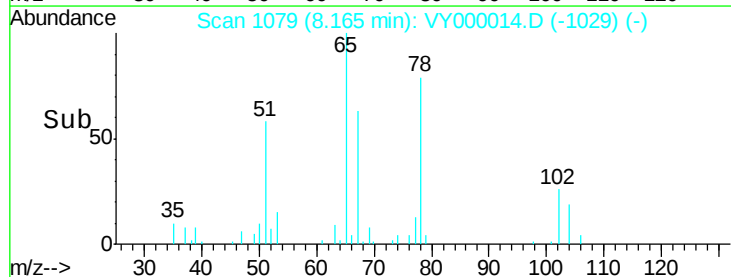
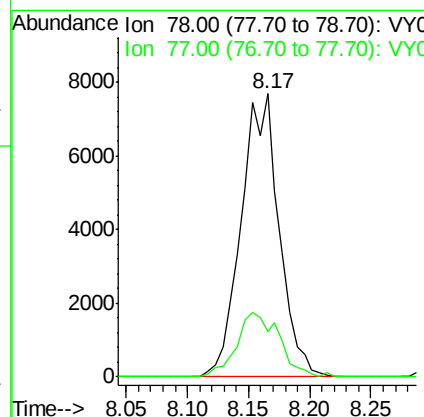
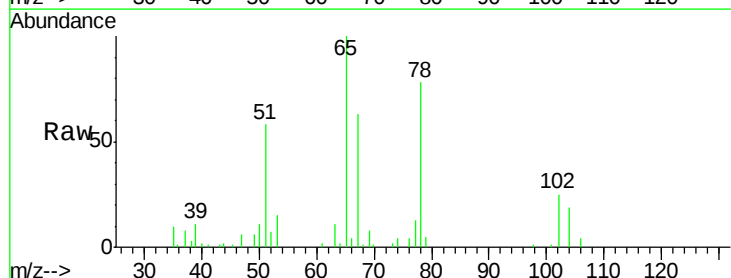
Manual Integrations
APPROVED

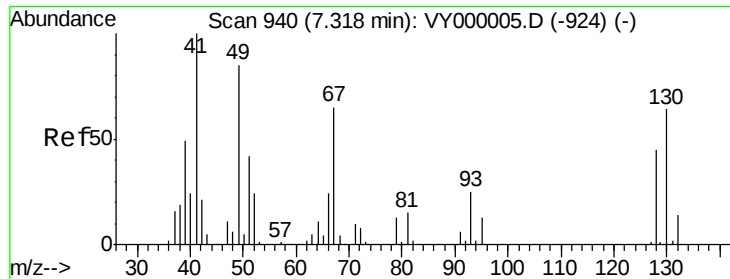
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#40
Benzene
Concen: 2.494 ug/l
RT: 8.17 min Scan# 1079
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	16.1	18.0	27.0#





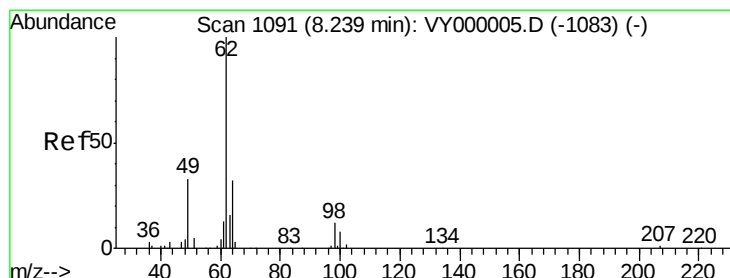
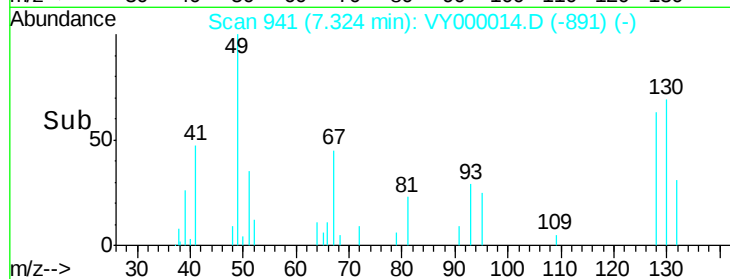
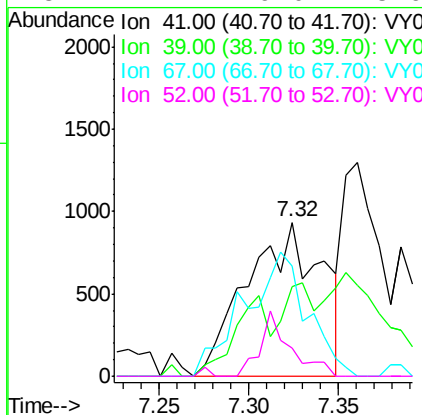
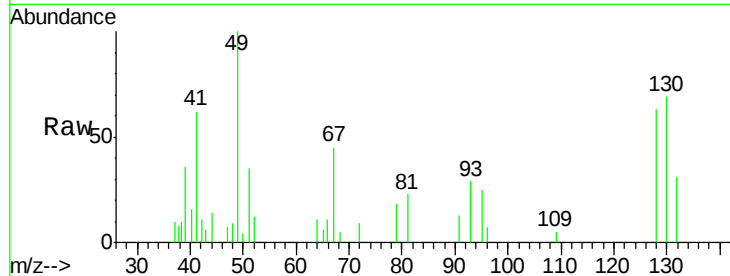
#41
Methacrylonitrile
Concen: 3.193 ug/l m
RT: 7.32 min Scan# 941
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
41	100		
39	24.0	48.4	72.6#
67	68.2	76.3	114.5#
52	17.1	29.0	43.6#

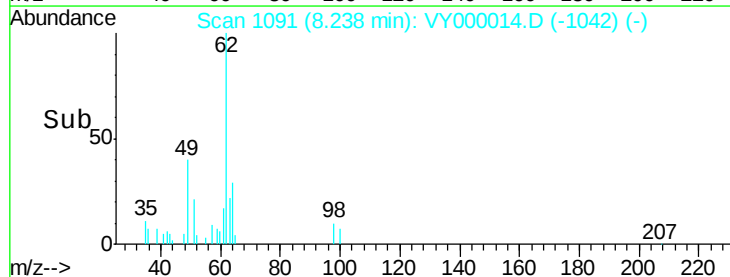
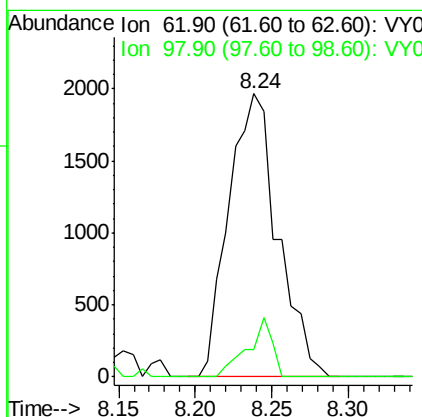
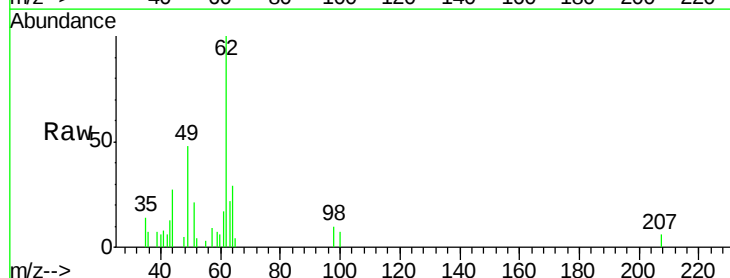
Manual Integrations
APPROVED

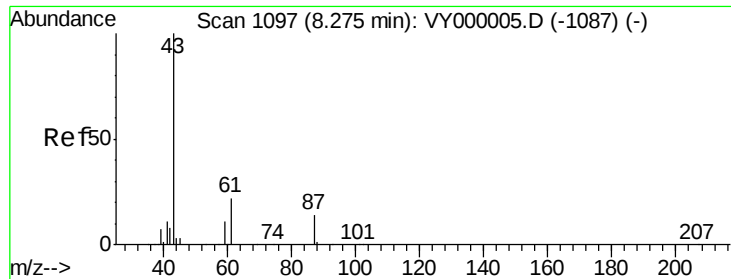
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#42
1,2-Dichloroethane
Concen: 2.520 ug/l
RT: 8.24 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	24.2





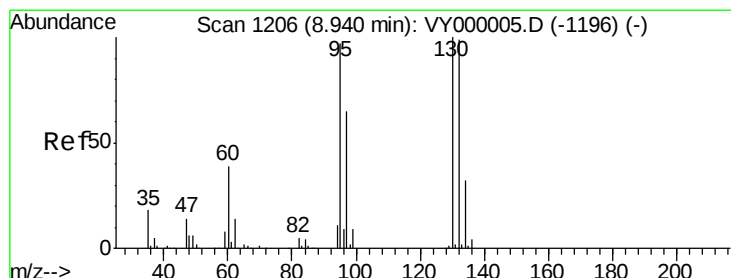
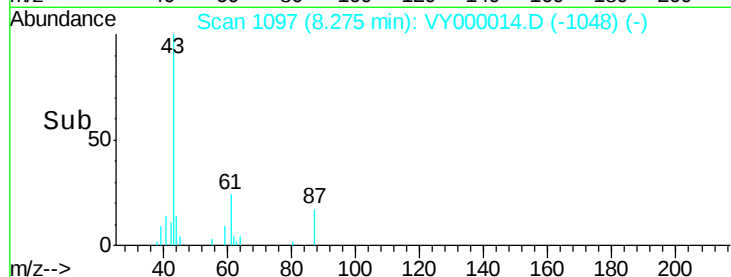
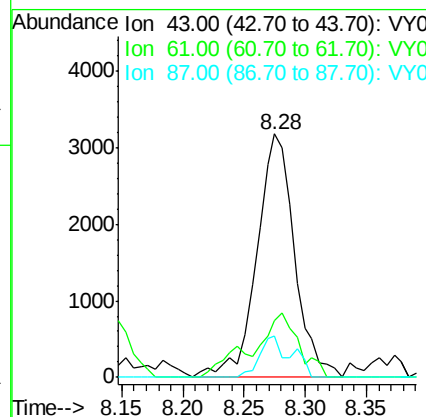
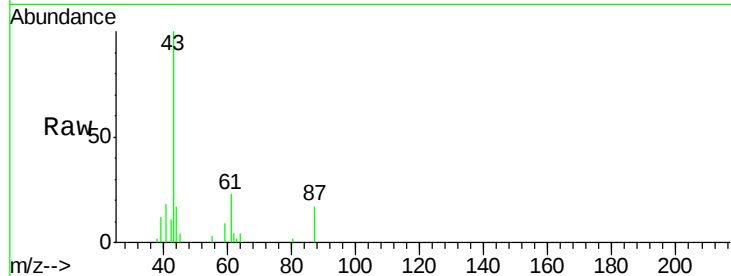
#43
Isopropyl Acetate
Concen: 2.628 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.2	25.2	37.8#
87	14.1	12.6	18.8

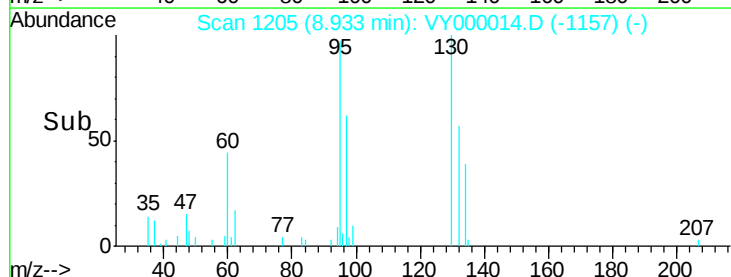
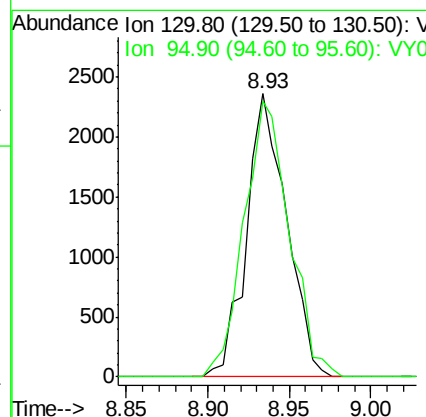
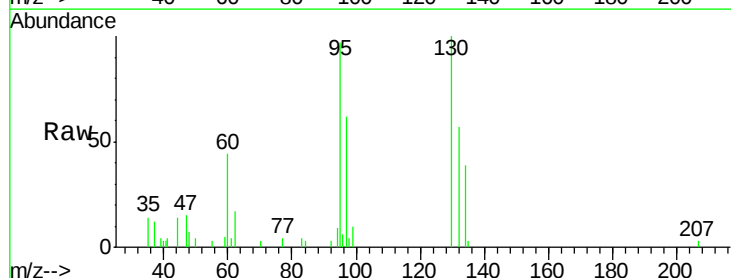
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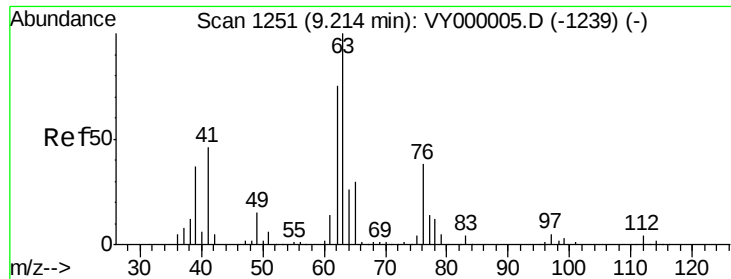
MMDadoda
9/13/2019 11:51:45 PM



#44
Trichloroethene
Concen: 2.359 ug/l
RT: 8.93 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.2





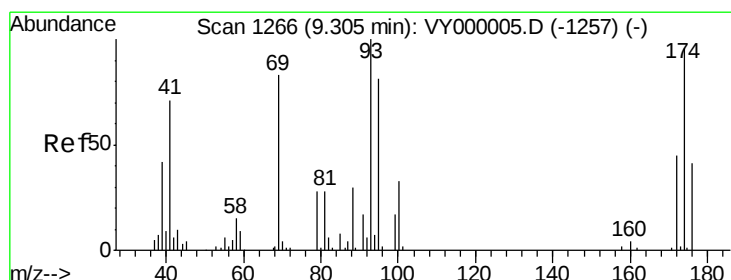
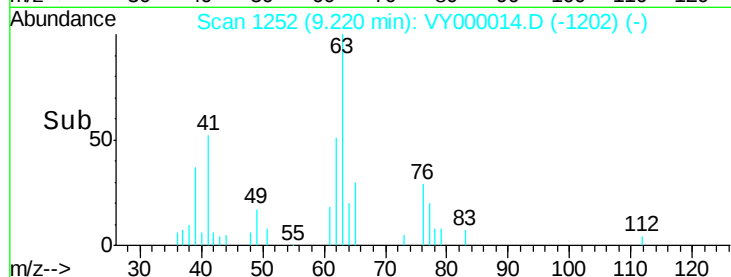
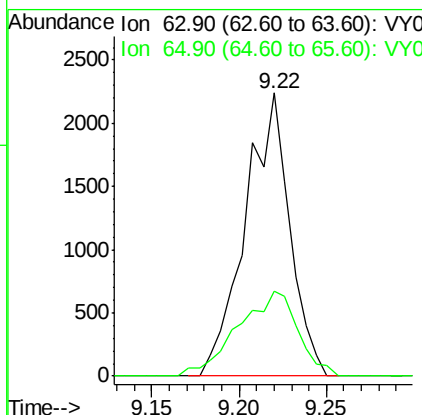
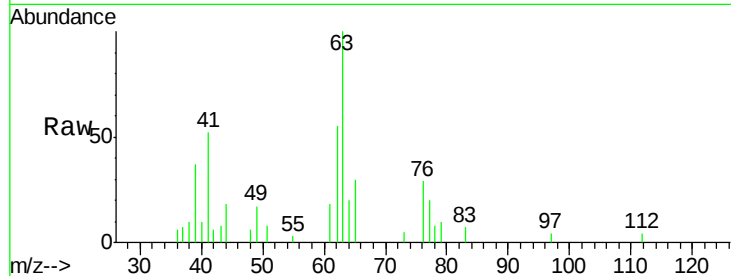
#45
 1,2-Dichloropropane
 Concen: 2.322 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

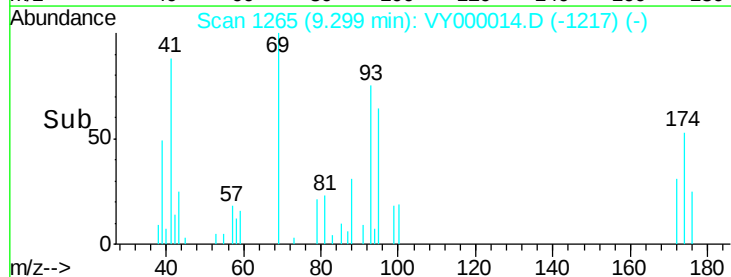
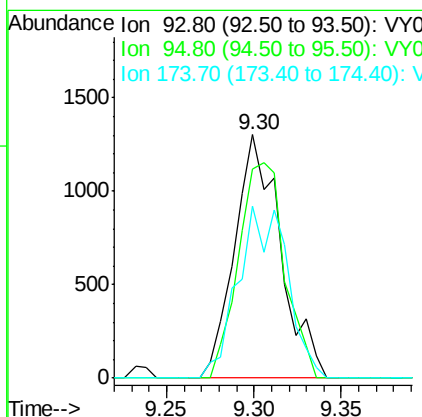
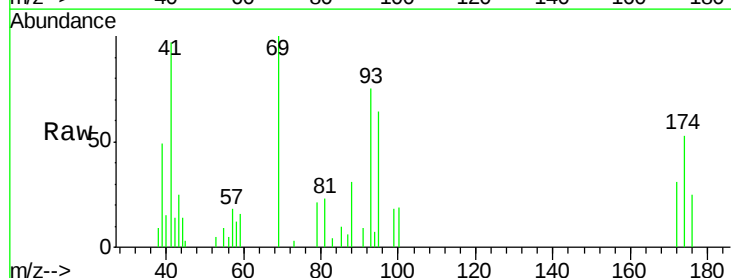
Manual Integrations
 APPROVED

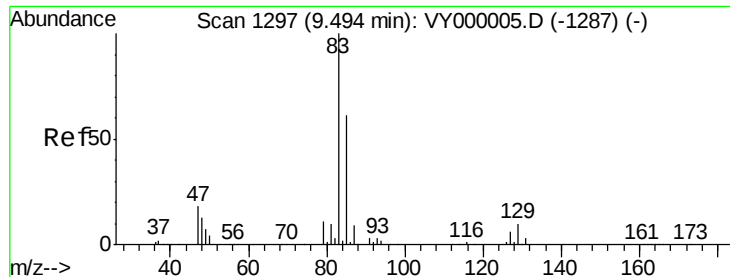
MMDadoda
 9/13/2019 11:51:45 PM



#46
 Dibromomethane
 Concen: 2.587 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	88.5	68.1	102.1
174	75.2	72.8	109.2





#47

Bromodichloromethane

Concen: 2.489 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

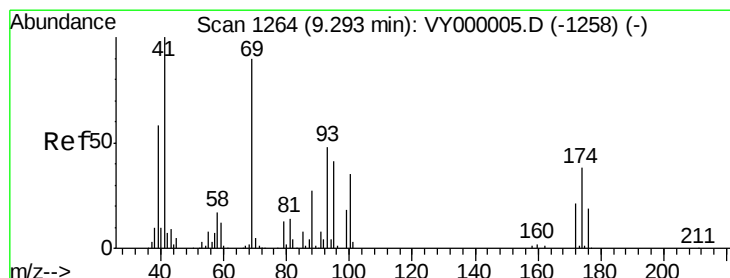
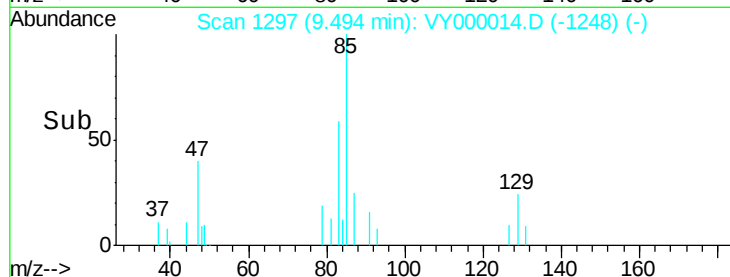
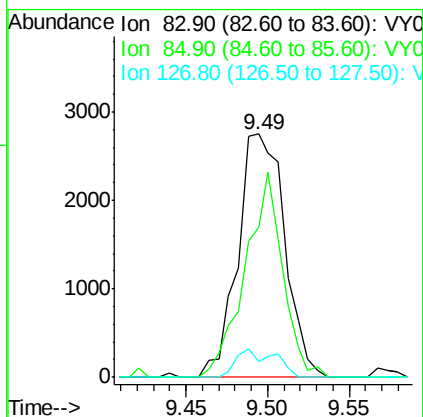
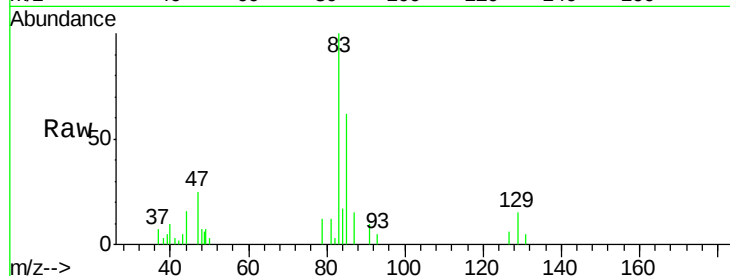
ClientSampleId :

MDL 3 PPB

Tot Ion:	83	Resp:	5504
Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.2	73.8
127	6.4	5.0	7.6

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 2.565 ug/l

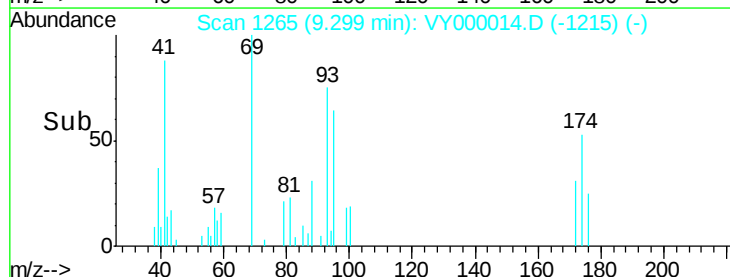
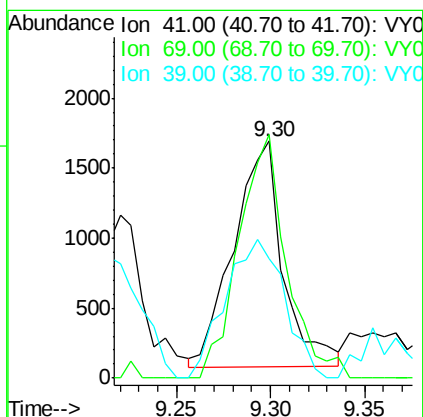
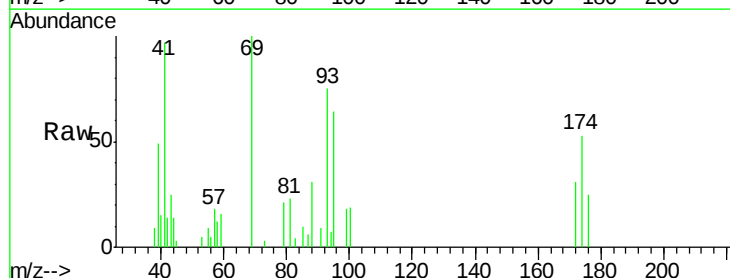
RT: 9.30 min Scan# 1265

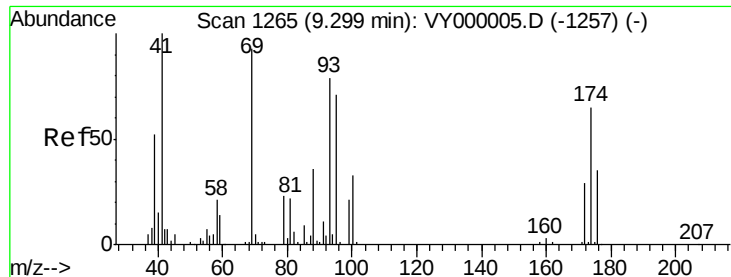
Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion:	41	Resp:	2945
Ion	Ratio	Lower	Upper
41	100		
69	103.8	77.4	116.2
39	73.2	47.4	71.2#





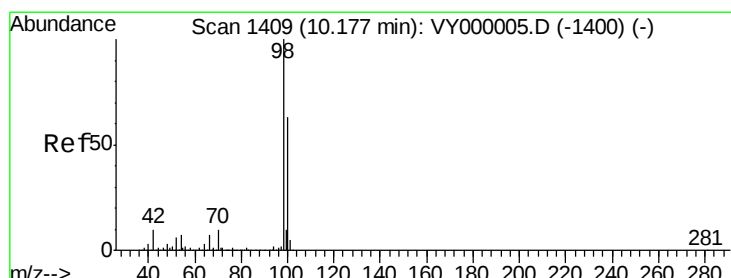
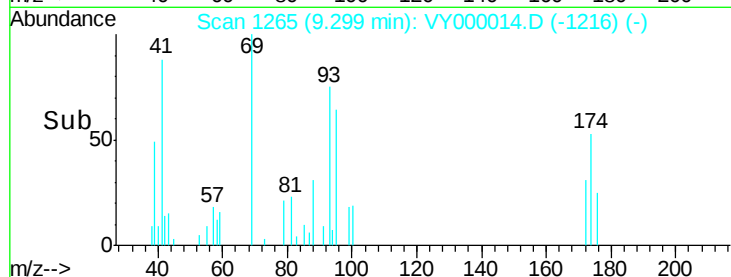
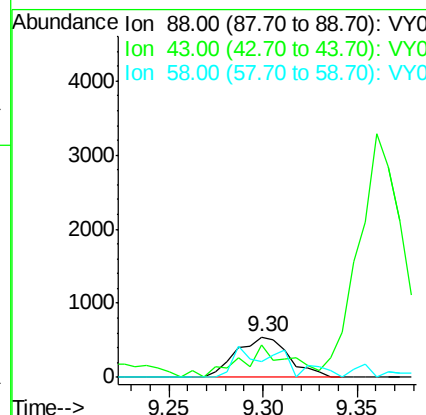
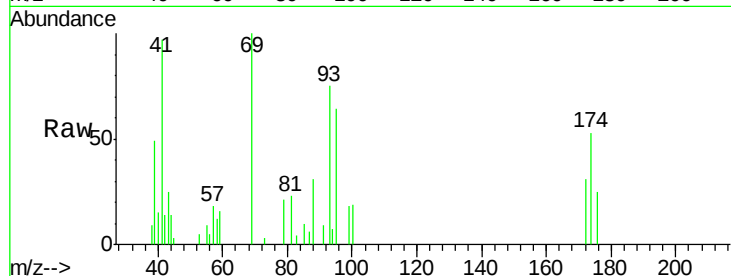
#49
1,4-Dioxane
Concen: 58.291 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
88	100		
43	76.4	23.4	35.2#
58	32.7	46.1	69.1#

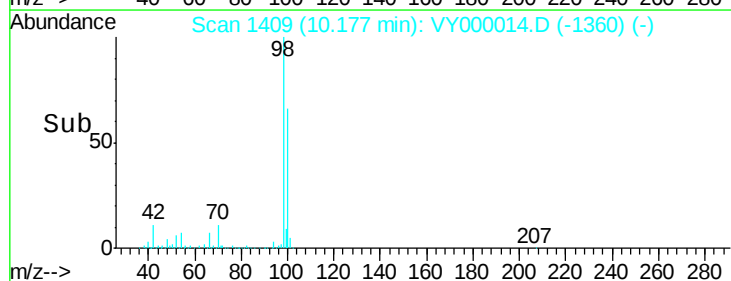
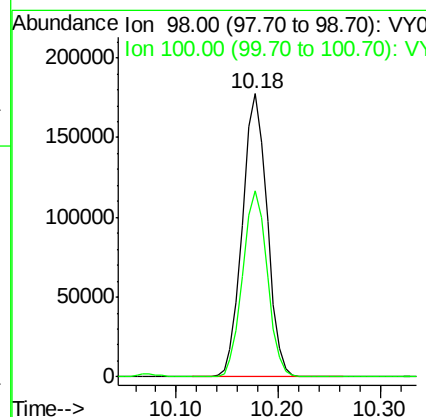
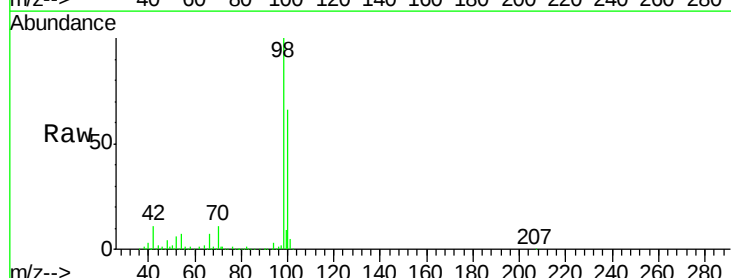
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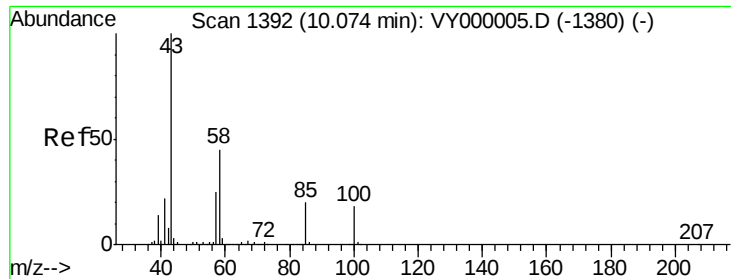
MMDadoda
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#50
Toluene-d8
Concen: 45.591 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.4





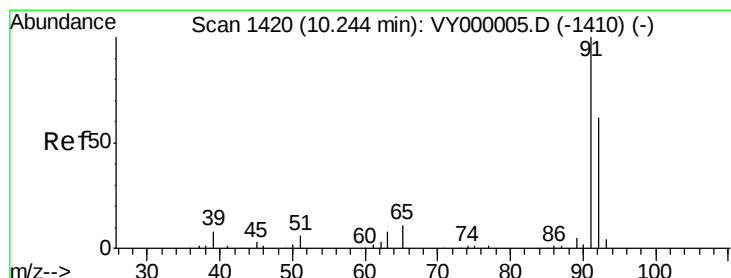
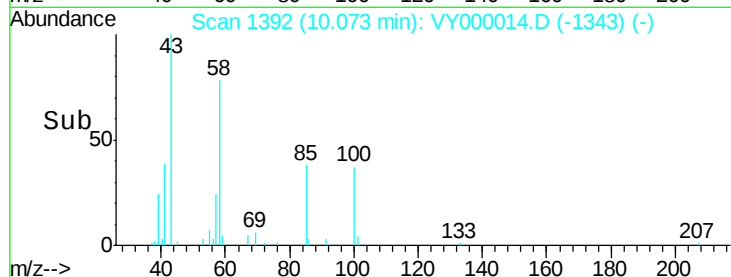
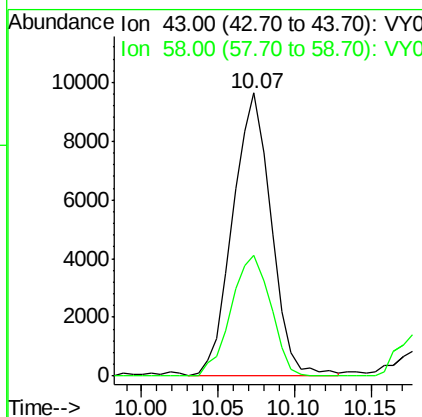
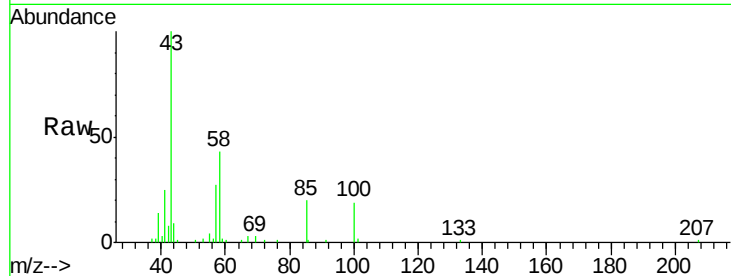
#51
4-Methyl-2-Pentanone
Concen: 11.773 ug/l
RT: 10.07 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion: 43 Resp: 16843
Ion Ratio Lower Upper
43 100
58 43.9 34.1 51.1

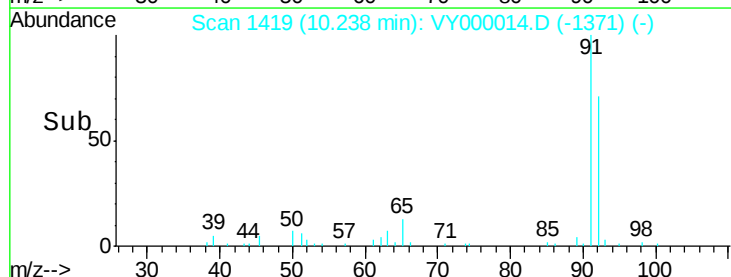
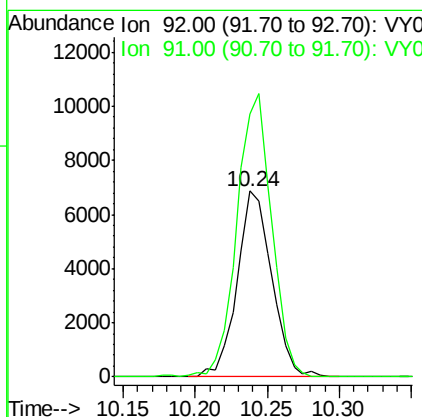
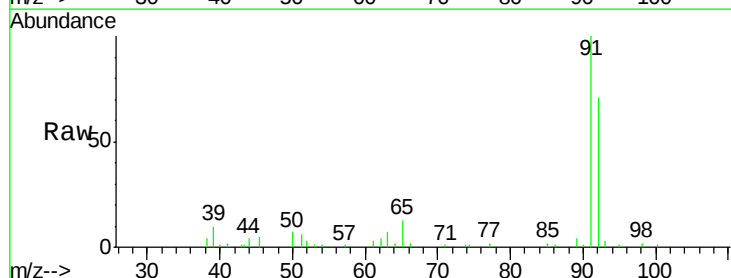
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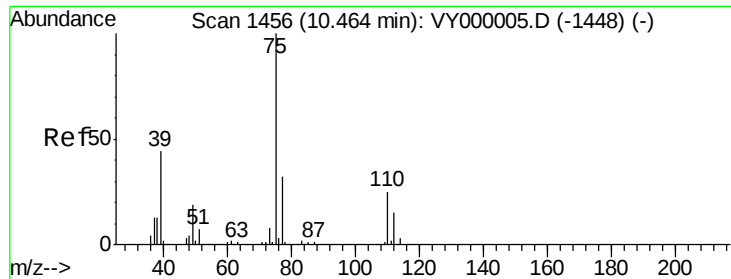
MMDadoda
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#52
Toluene
Concen: 2.733 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 92 Resp: 11437
Ion Ratio Lower Upper
92 100
91 153.0 136.5 204.7





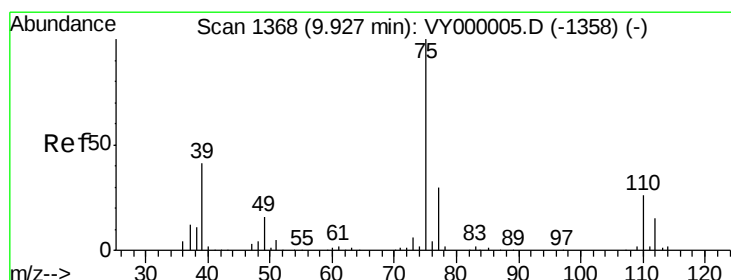
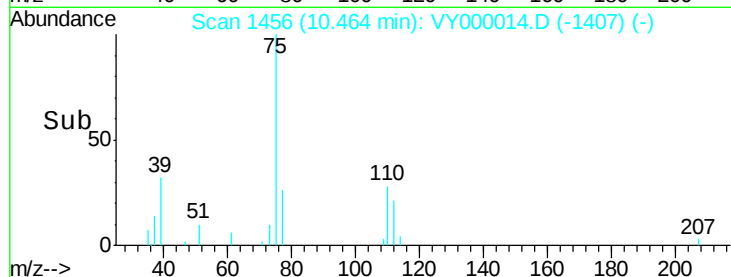
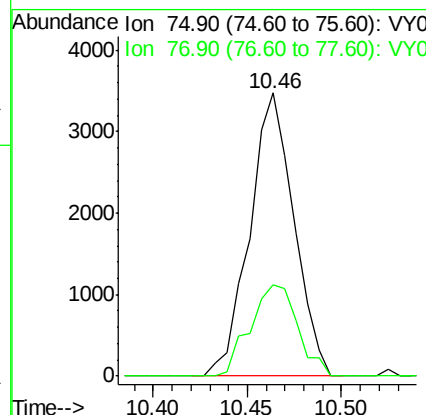
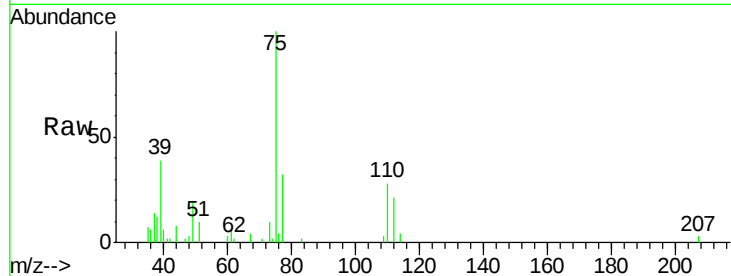
#53
t-1,3-Dichloropropene
Concen: 2.429 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 75 Resp: 5643
Ion Ratio Lower Upper
75 100
77 32.4 25.8 38.8

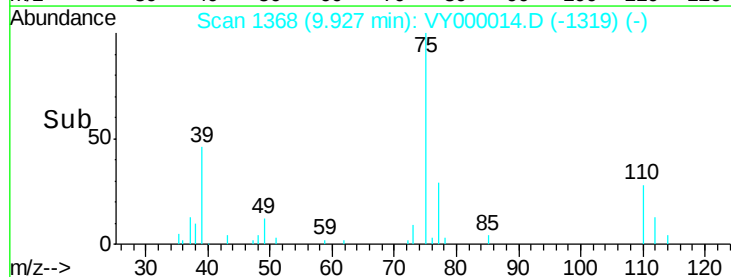
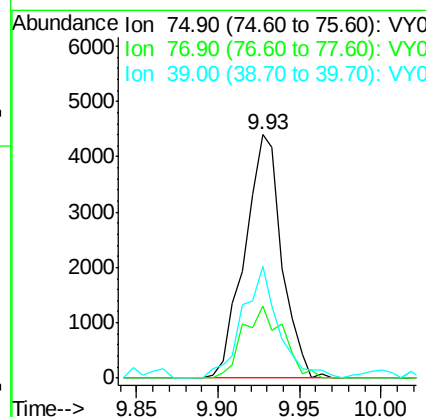
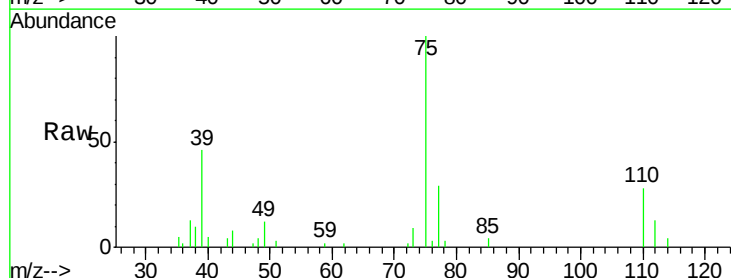
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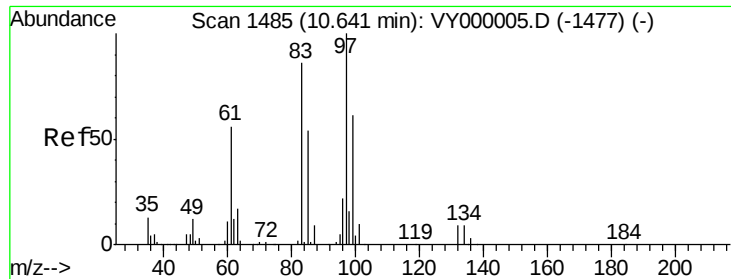
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 2.574 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 75 Resp: 6981
Ion Ratio Lower Upper
75 100
77 29.4 24.1 36.1
39 45.9 33.0 49.4





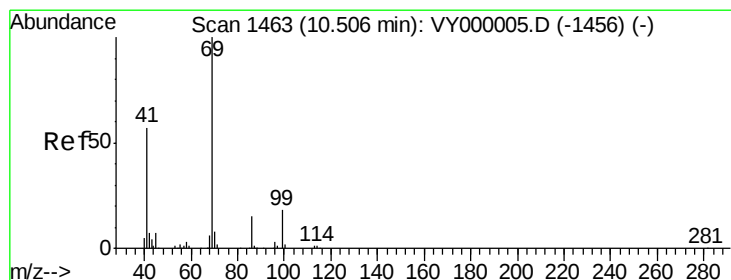
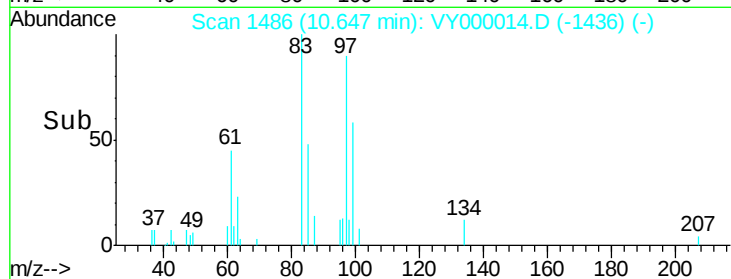
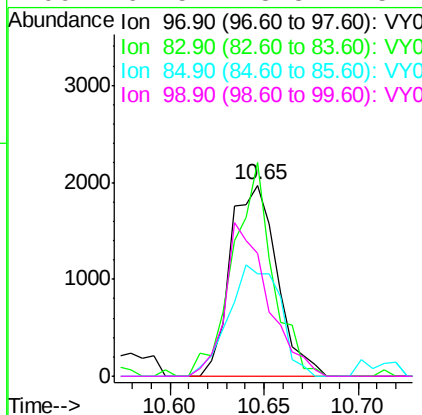
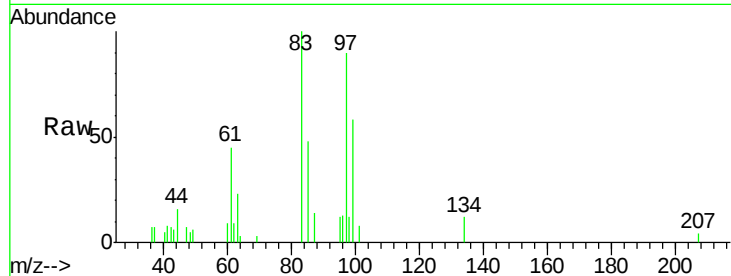
#55
 1,1,2-Trichloroethane
 Concen: 2.364 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion:	97	Resp:	3384
Ion	Ratio	Lower	Upper
97	100		
83	111.7	68.4	102.6#
85	53.4	43.0	64.6
99	64.5	48.8	73.2

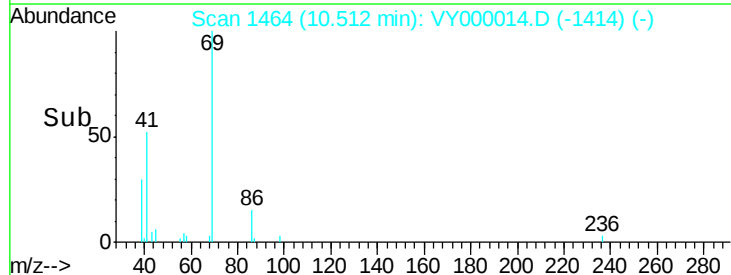
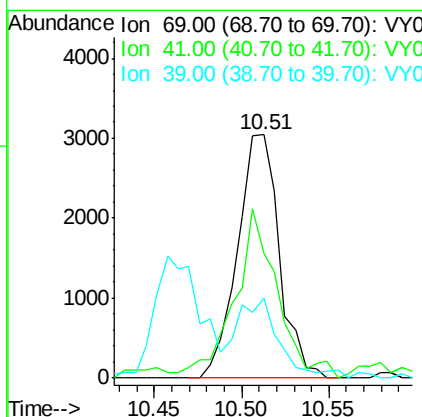
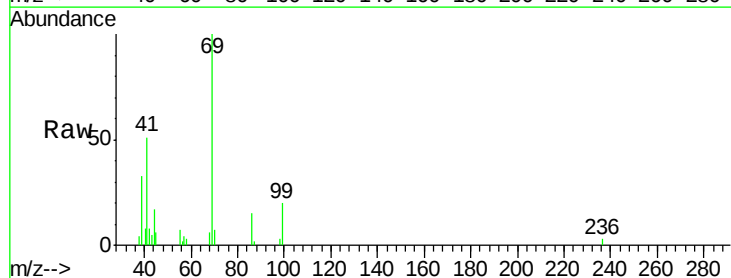
Manual Integrations
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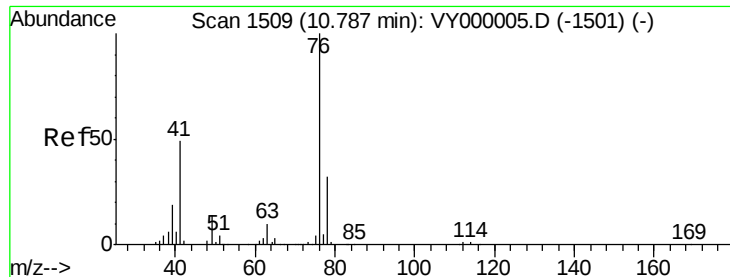
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#56
 Ethyl methacrylate
 Concen: 2.458 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion:	69	Resp:	5064
Ion	Ratio	Lower	Upper
69	100		
41	71.1	46.3	69.5#
39	33.5	25.8	38.6





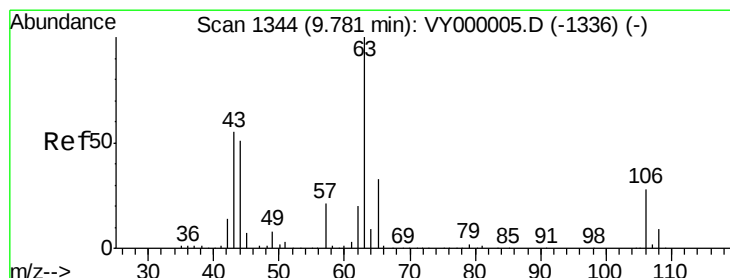
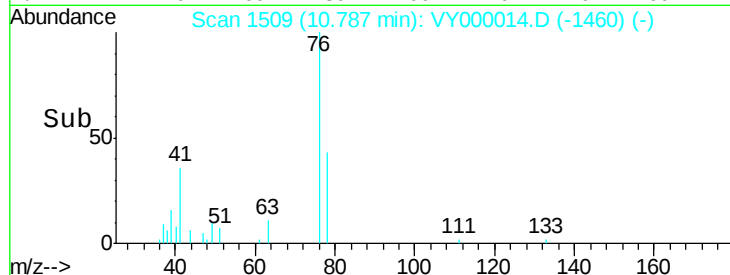
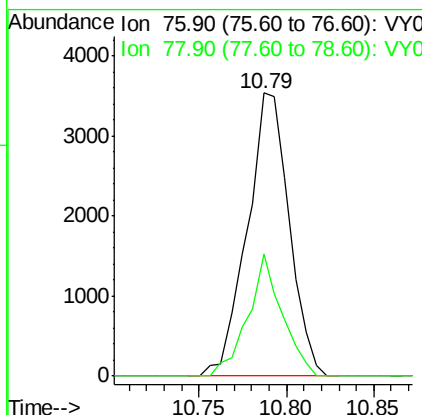
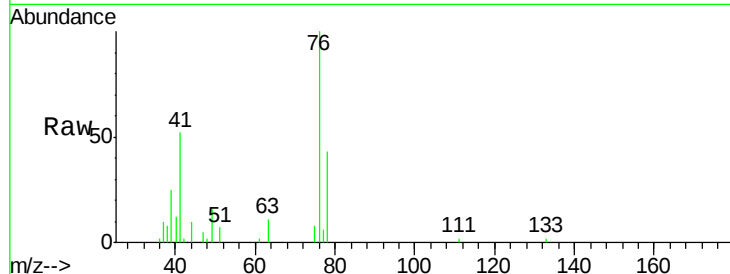
#57
 1,3-Dichloropropane
 Concen: 2.501 ug/l
 RT: 10.79 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.9	26.1	39.1

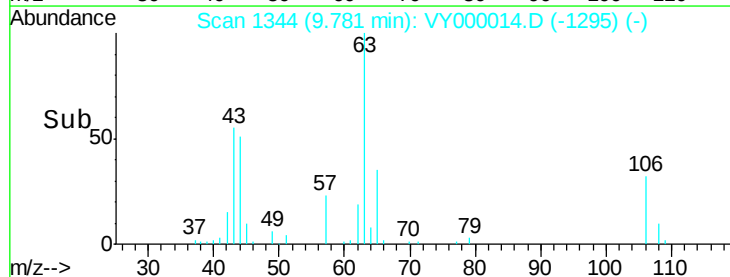
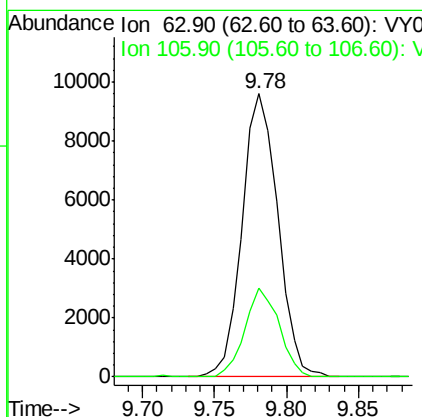
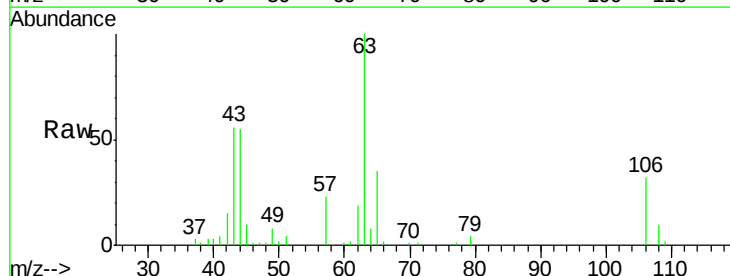
Manual Integrations
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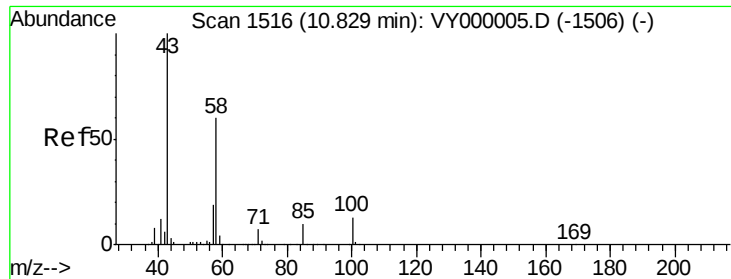
MMDadoda
 9/13/2019 11:51:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.560 ug/l
 RT: 9.78 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.3	34.9





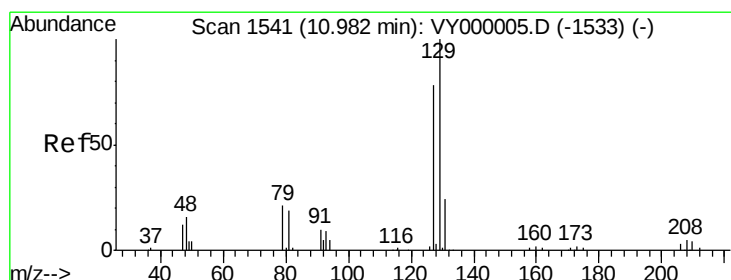
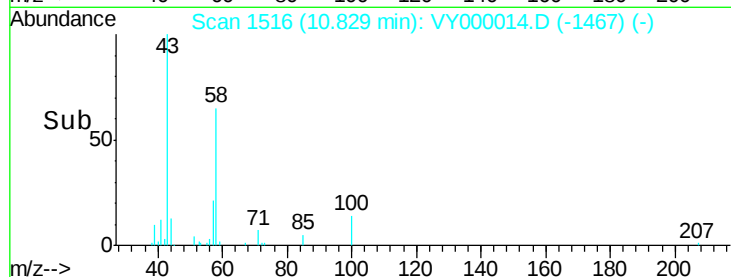
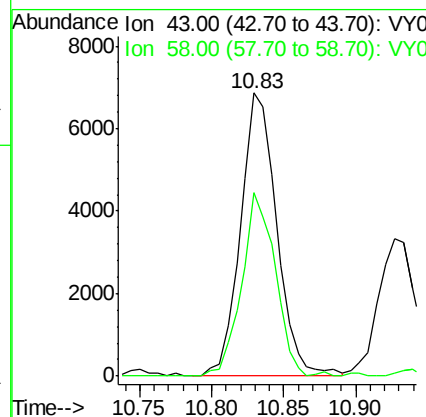
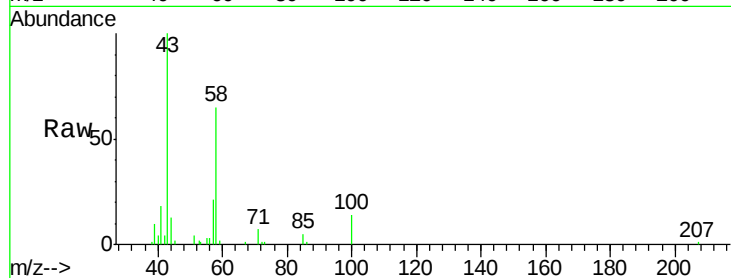
#59
2-Hexanone
Concen: 11.763 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 43 Resp: 11982
Ion Ratio Lower Upper
43 100
58 59.6 29.8 89.5

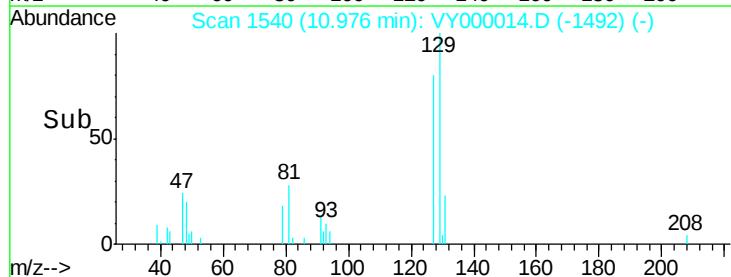
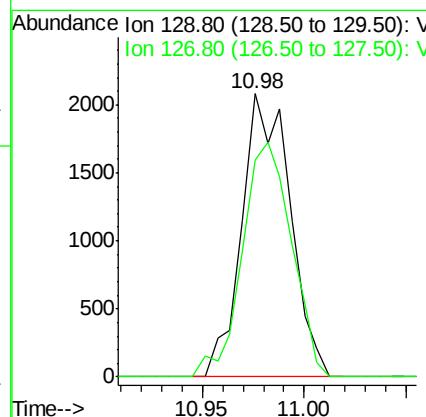
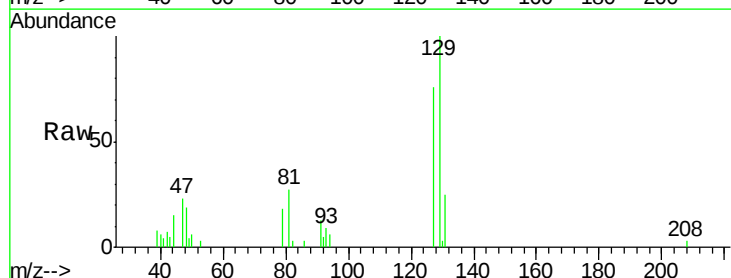
Manual Integrations
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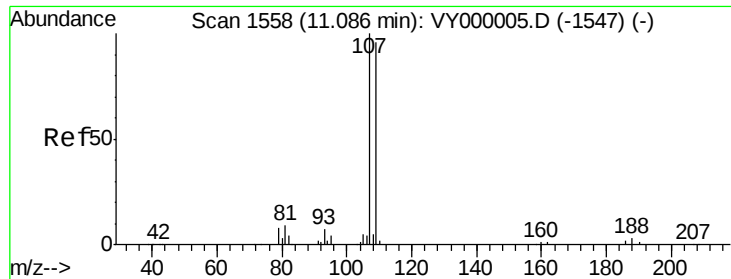
MMDadoda
9/13/2019 11:51:45 PM



#60
Dibromochloromethane
Concen: 2.242 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 129 Resp: 3420
Ion Ratio Lower Upper
129 100
127 84.4 39.2 117.6





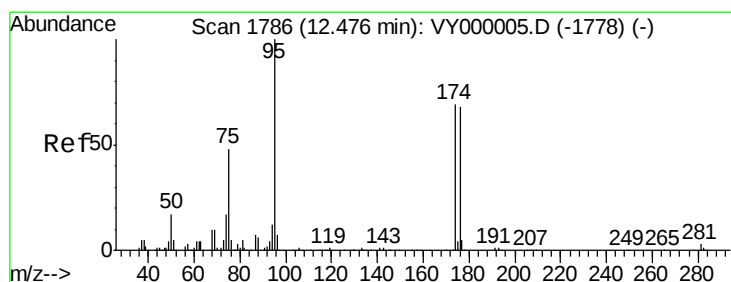
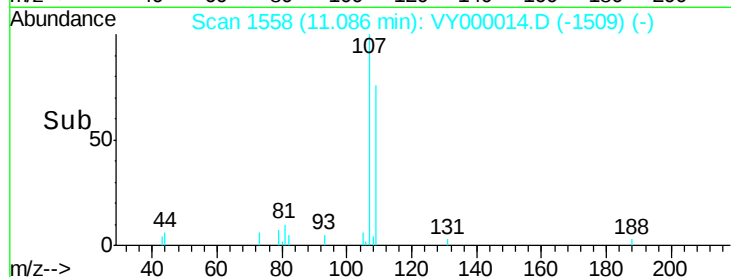
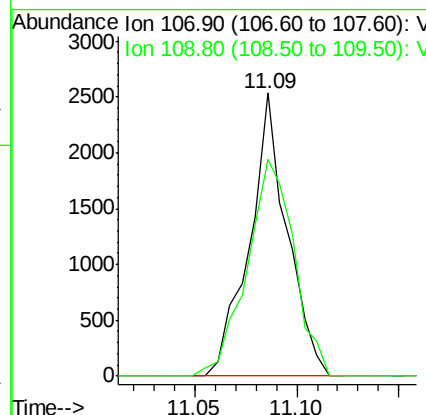
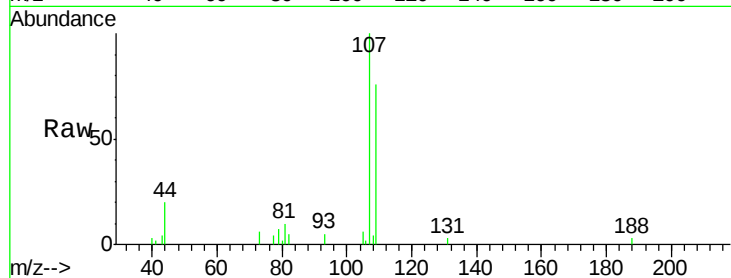
#61
 1,2-Dibromoethane
 Concen: 2.480 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	73.2	109.8

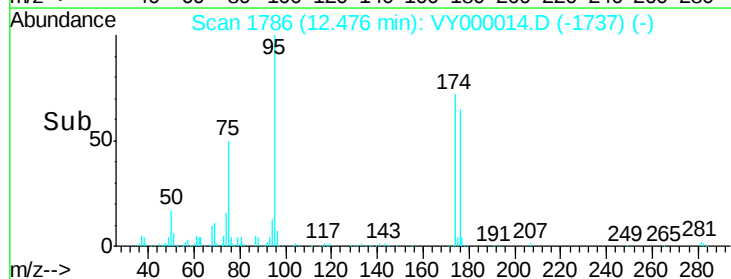
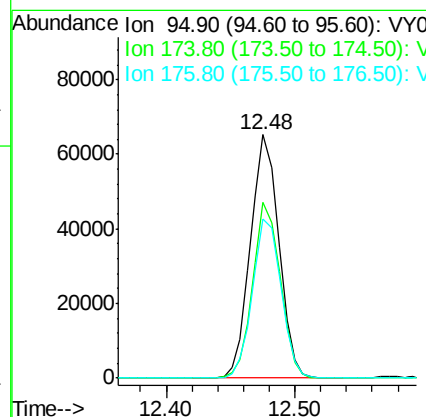
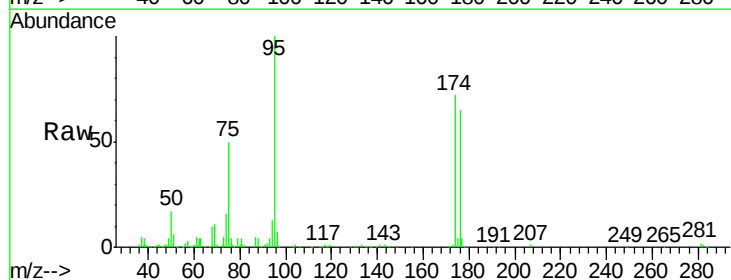
Manual Integrations
 APPROVED

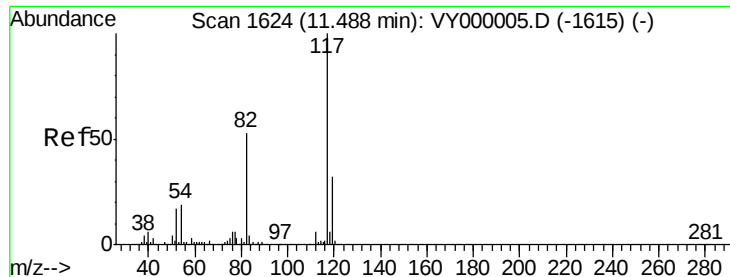
MMDadoda
 9/13/2019 11:51:45 PM



#62
 4-Bromofluorobenzene
 Concen: 42.681 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.1	0.0	145.8
176	66.3	0.0	138.0





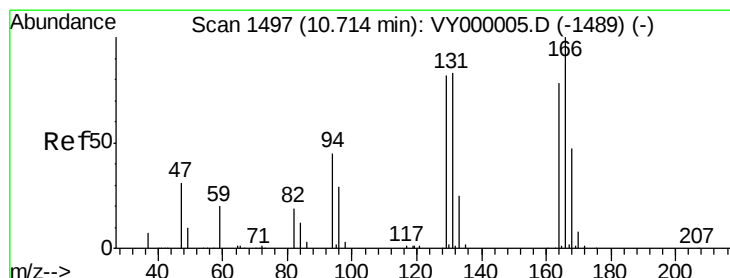
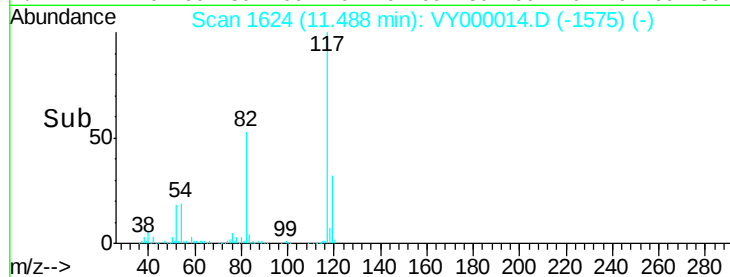
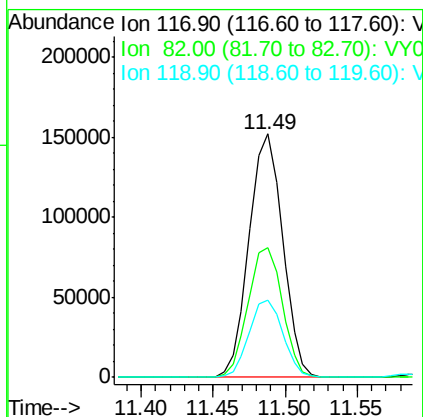
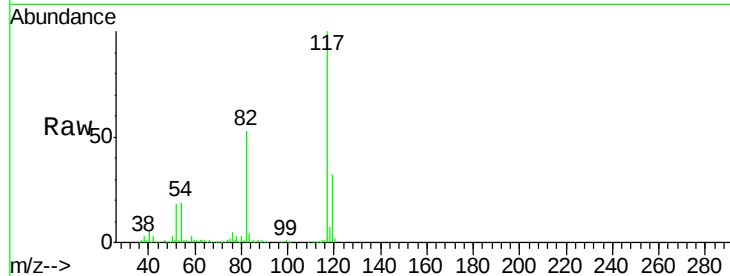
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.3	63.5
119	31.7	25.8	38.8

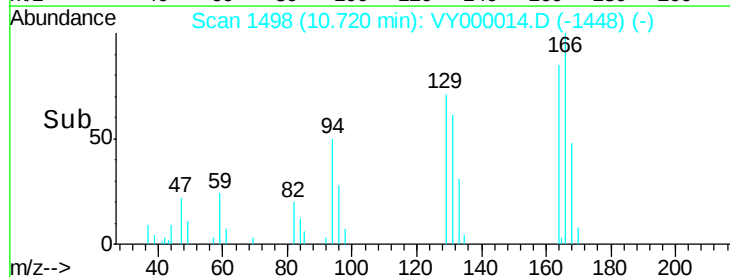
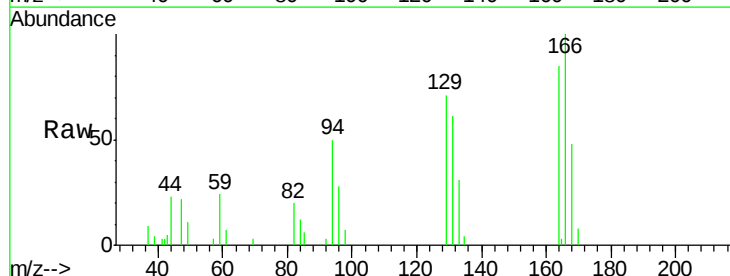
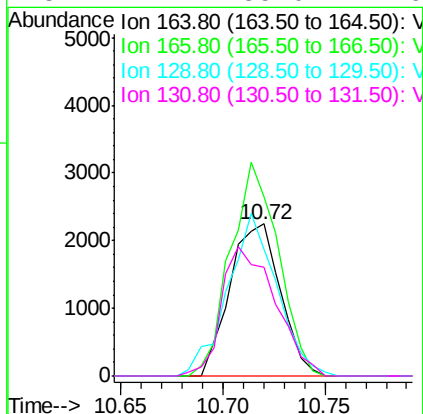
Manual Integrations
APPROVED

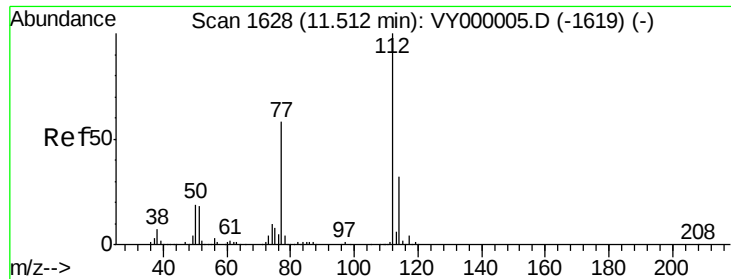
MMDadoda
9/13/2019 11:51:45 PM



#64
Tetrachloroethene
Concen: 2.574 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.9	102.5	153.7
129	83.2	83.8	125.8#
131	71.7	85.0	127.6#





#65

Chlorobenzene

Concen: 2.529 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:112 Resp: 11490

Ion Ratio Lower Upper

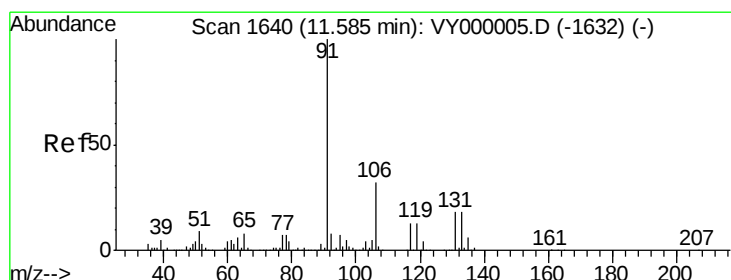
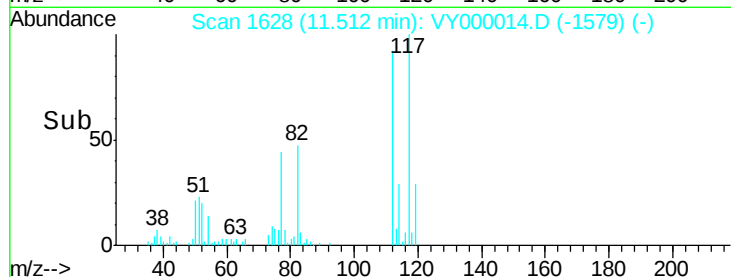
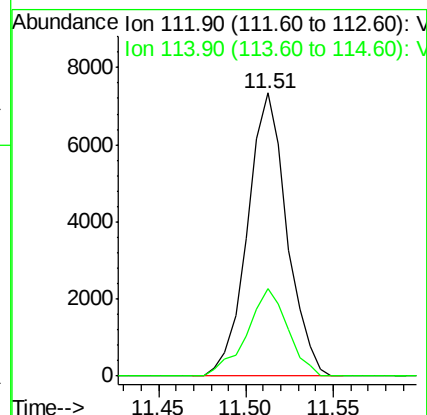
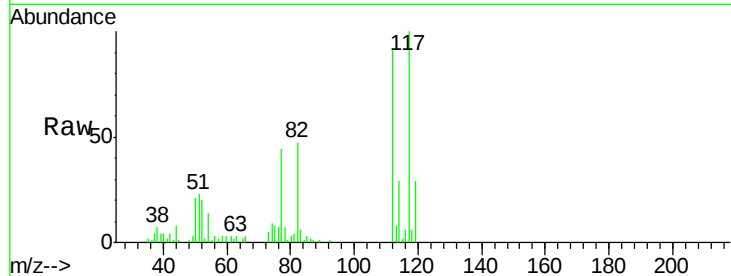
112 100

114 31.0 25.4 38.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 2.210 ug/l

RT: 11.59 min Scan# 1640

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

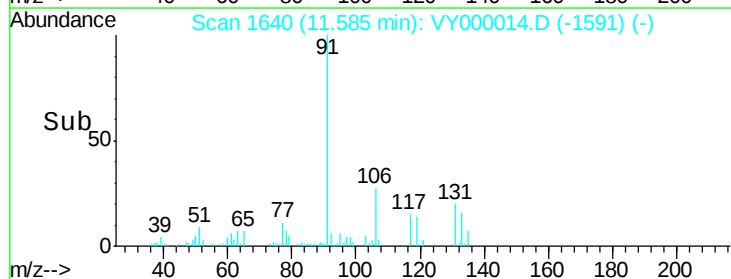
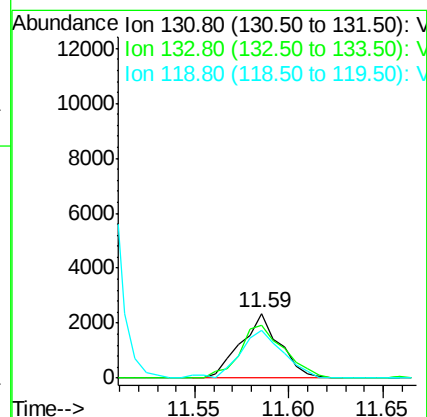
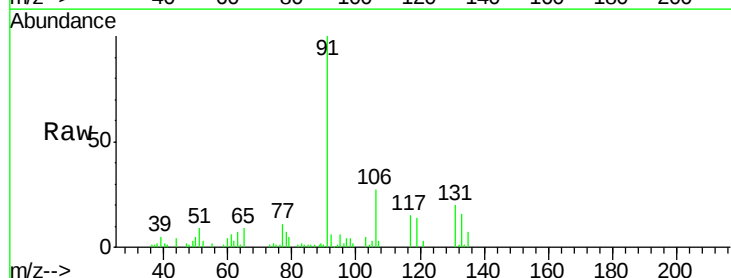
Tgt Ion:131 Resp: 3397

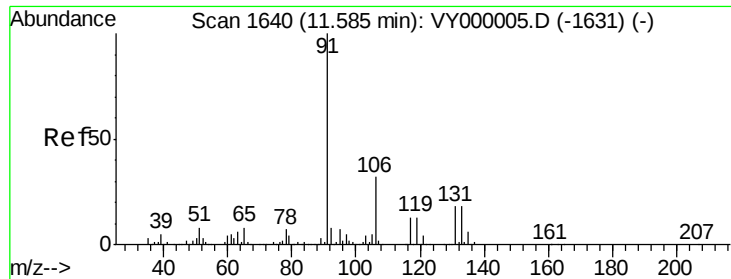
Ion Ratio Lower Upper

131 100

133 92.9 48.7 146.1

119 80.9 35.8 107.3





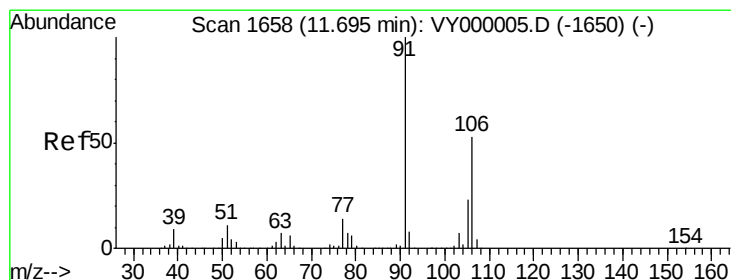
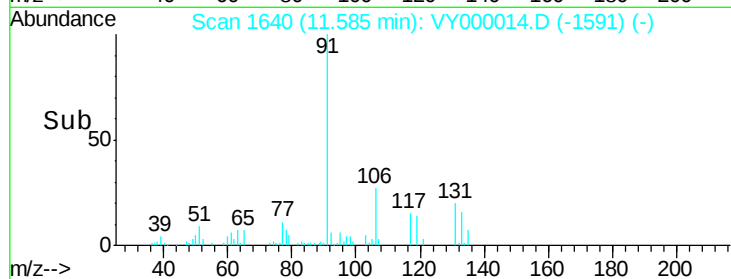
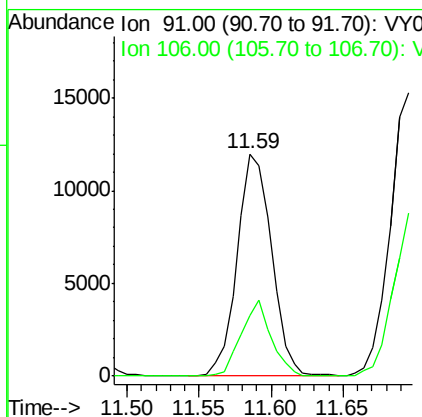
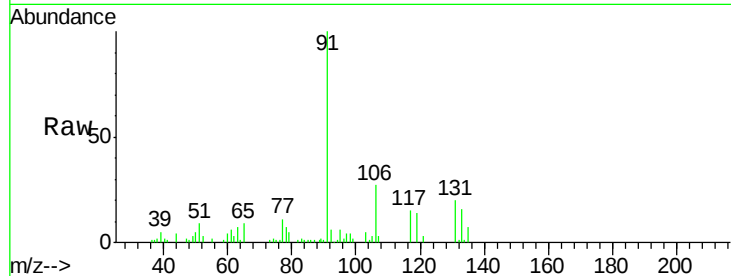
#67
Ethyl Benzene
Concen: 2.404 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion: 91 Resp: 19957
Ion Ratio Lower Upper
91 100
106 27.1 25.4 38.2

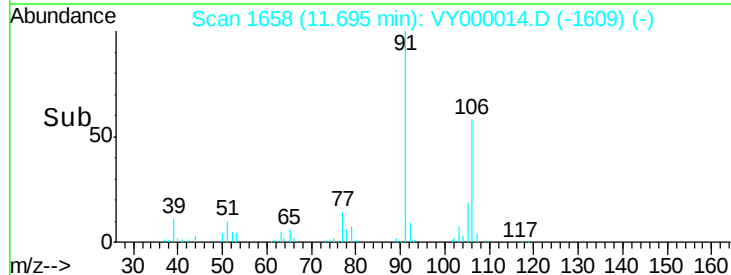
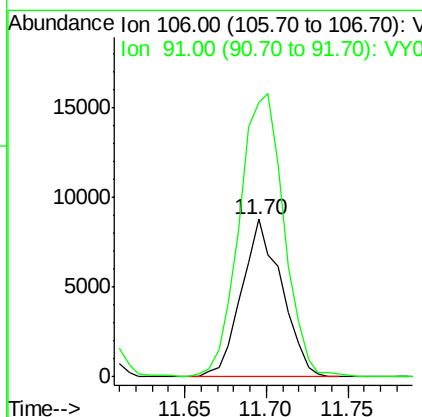
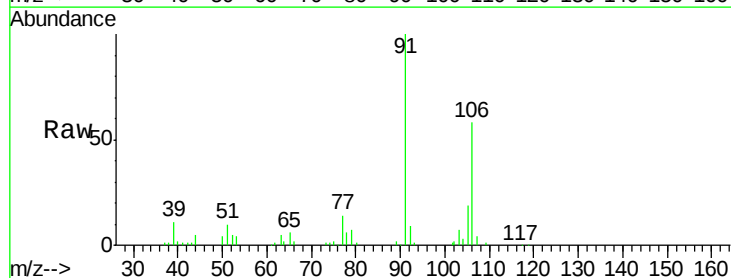
Manual Integrations
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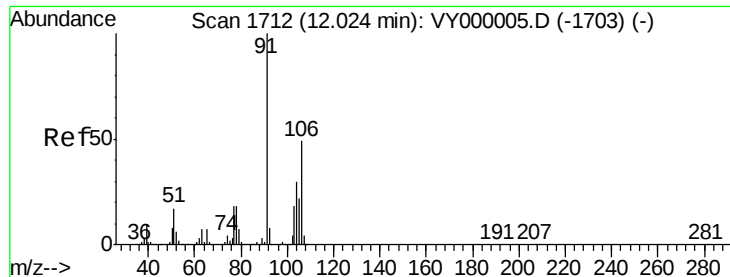
MMDadoda
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#68
m/p-Xylenes
Concen: 4.767 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion: 106 Resp: 15029
Ion Ratio Lower Upper
106 100
91 200.0 157.1 235.7





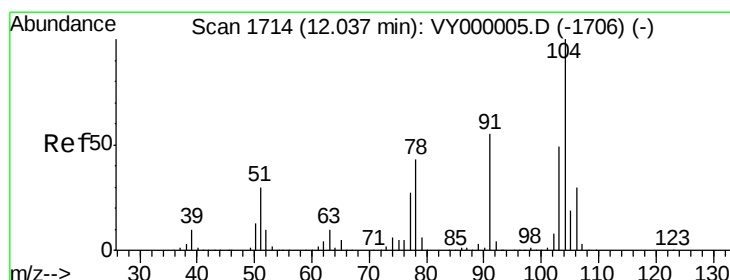
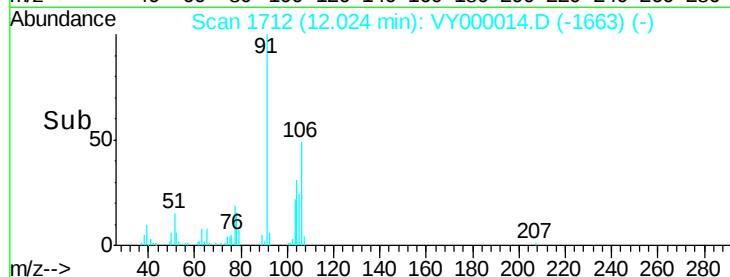
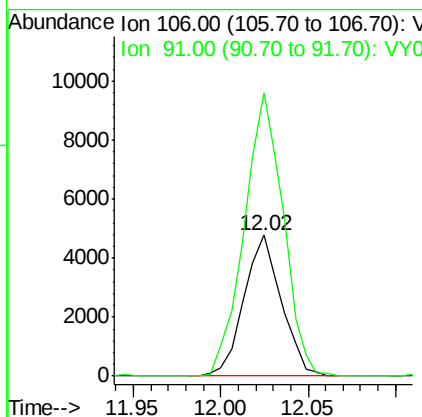
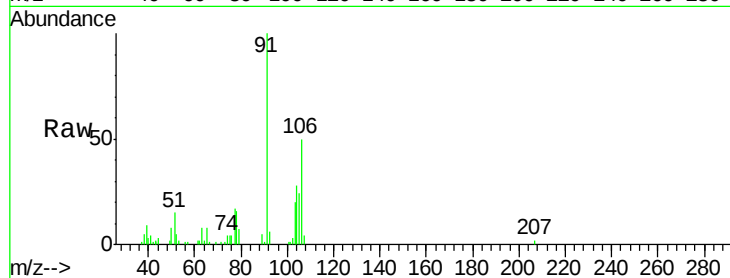
#69
o-Xylene
Concen: 2.346 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	7114		
91	91	208.9	100.6	301.8	

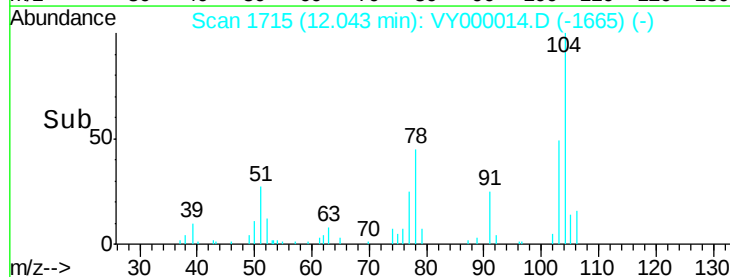
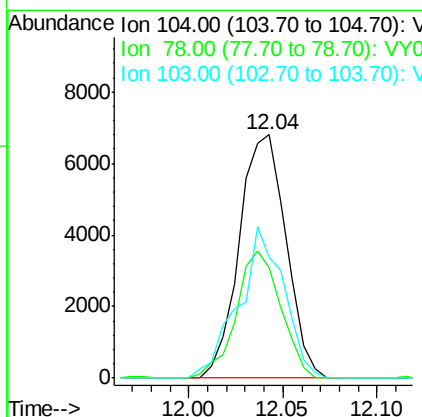
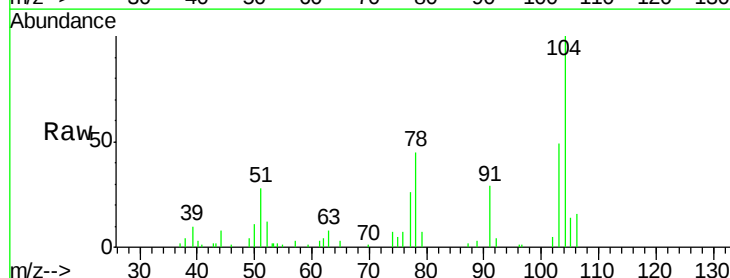
Manual Integrations
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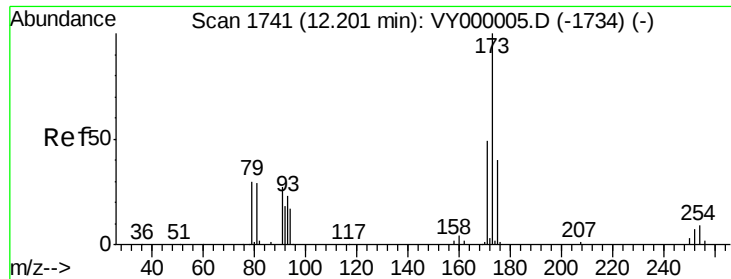
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#70
Styrene
Concen: 2.215 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	11693		
78	78	49.6	37.6	56.4	
103	103	60.0	42.6	63.8	





#71

Bromoform

Concen: 2.181 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

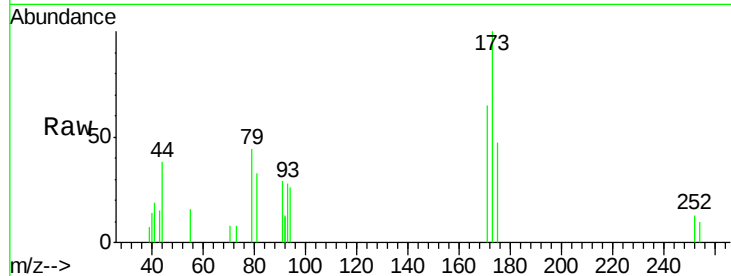
ClientSampleId :

MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.8	71.5
254	0.0	0.0	0.0

Manual Integrations
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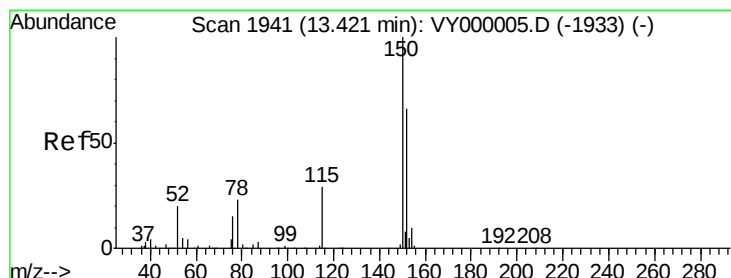
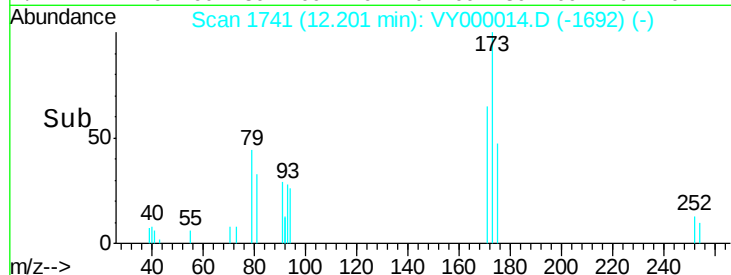
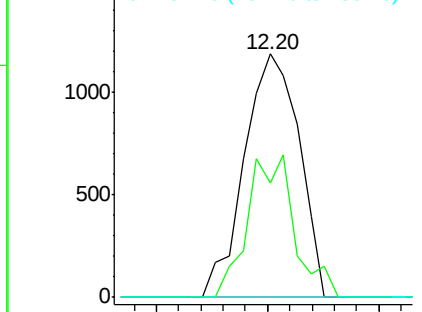


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

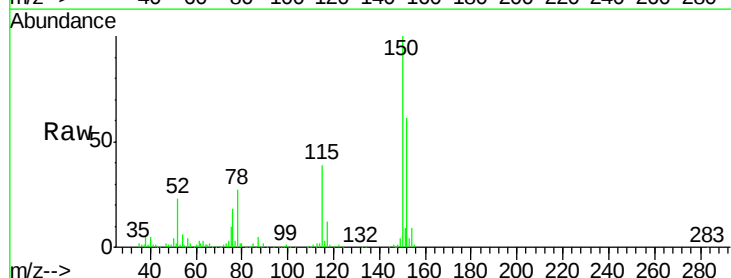
RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	30.3	91.0
150	163.2	0.0	347.4

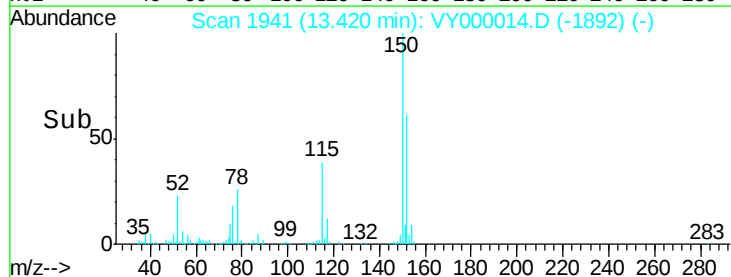
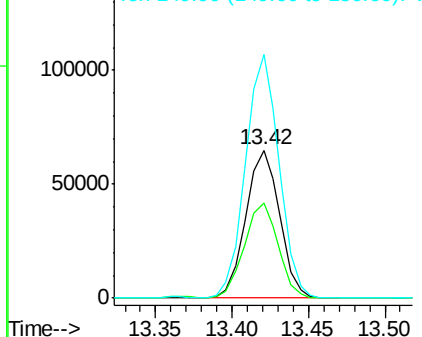


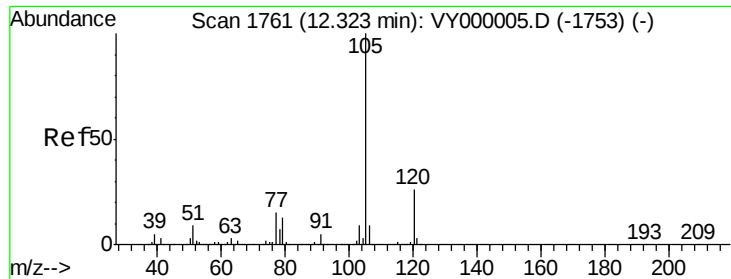
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.371 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion:105 Resp: 17907

Ion Ratio Lower Upper

105 100

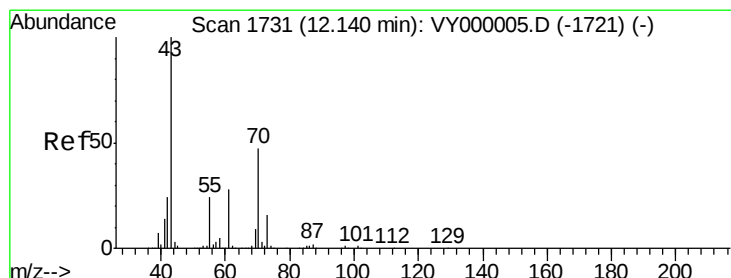
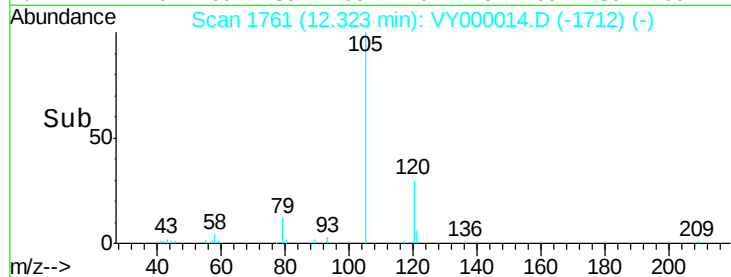
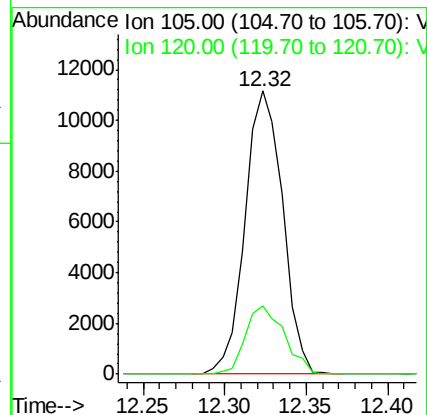
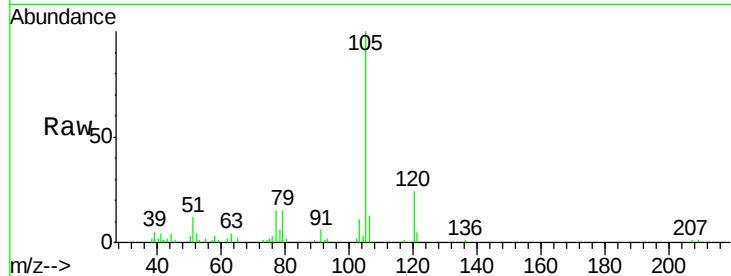
120 24.8 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 2.695 ug/l

RT: 12.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion: 43 Resp: 5649

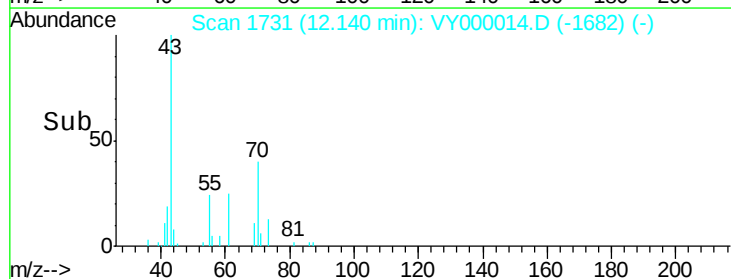
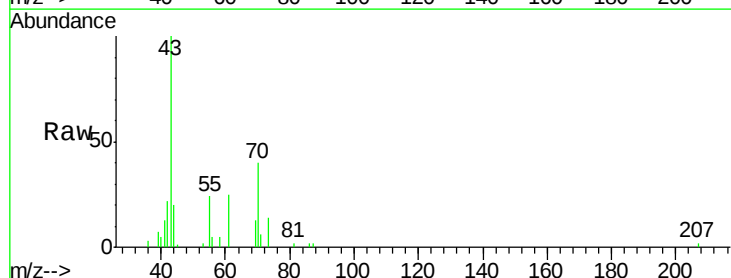
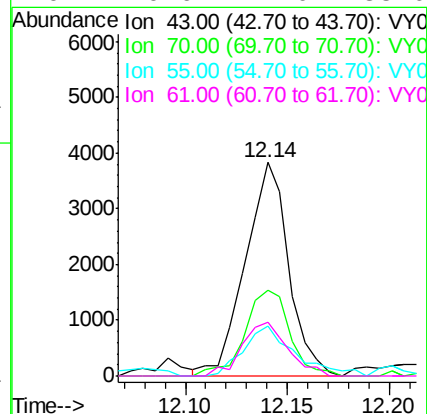
Ion Ratio Lower Upper

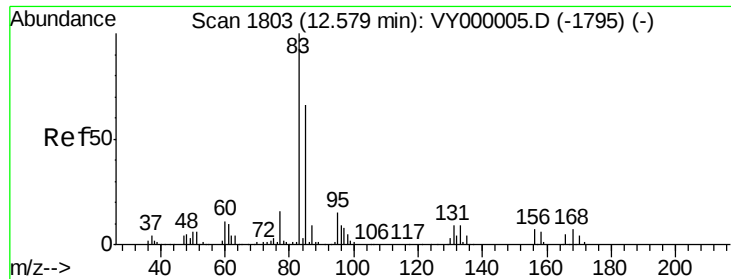
43 100

70 42.0 38.1 57.1

55 27.9 19.9 29.9

61 26.6 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.479 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

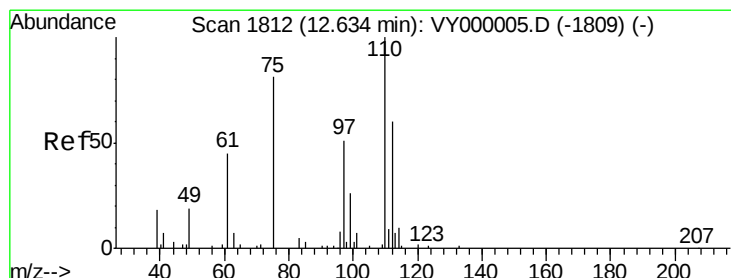
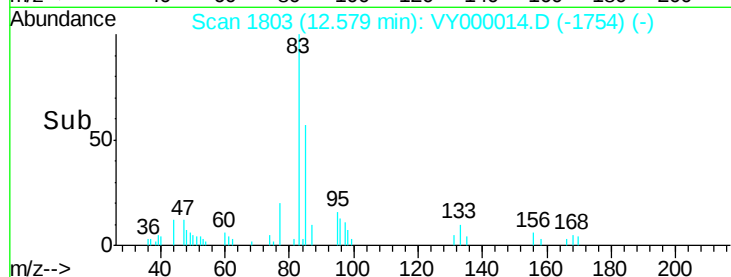
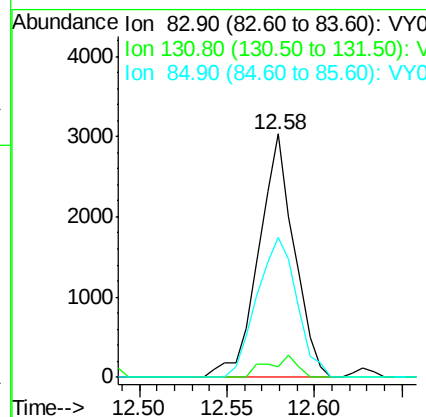
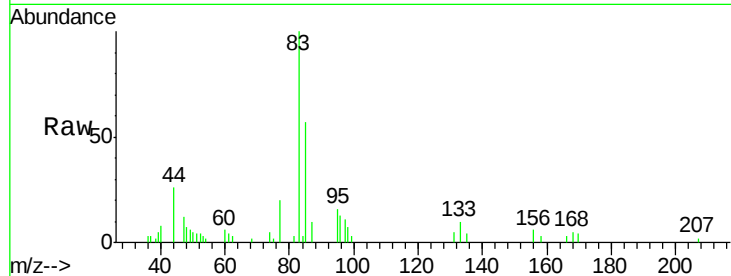
ClientSampleId :

MDL 3 PPB

Tot Ion:	83	Resp:	4313
Ion Ratio	Lower	Upper	
83	100		
131	7.5	5.0	14.9
85	64.6	32.1	96.3

Manual Integrations
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9/13/2019 11:51:45 PM



#76

1,2,3-Trichloropropane

Concen: 2.825 ug/l m

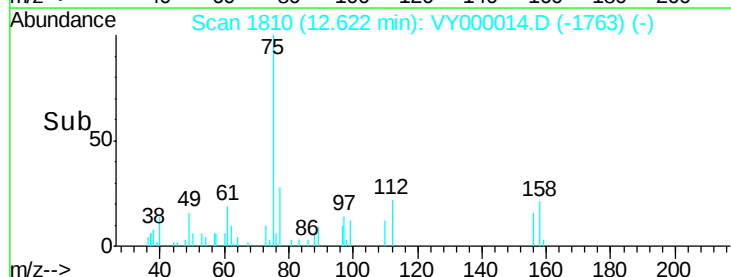
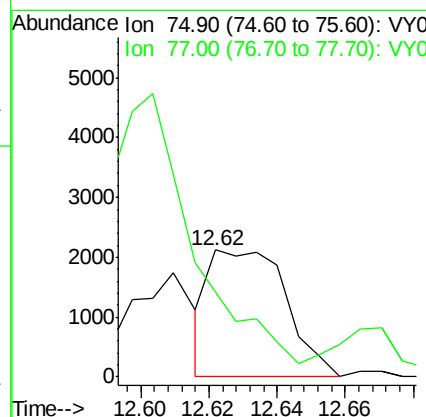
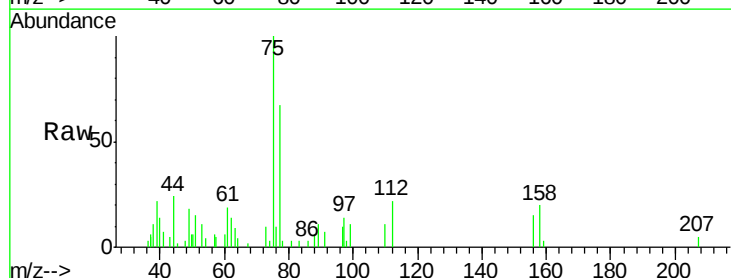
RT: 12.62 min Scan# 1810

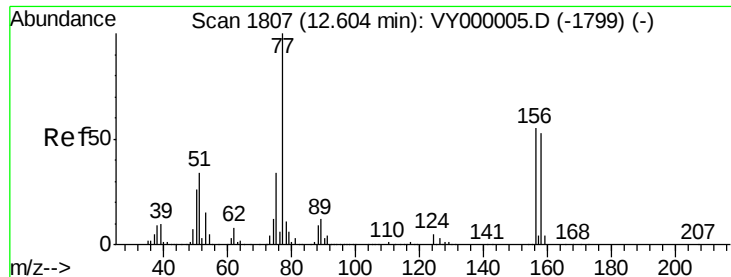
Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion:	75	Resp:	3329
Ion Ratio	Lower	Upper	
75	100		
77	264.1	0.0	0.0#





#77

Bromobenzene

Concen: 2.148 ug/l

RT: 12.61 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

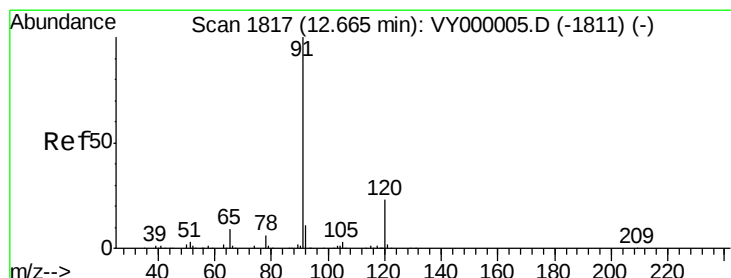
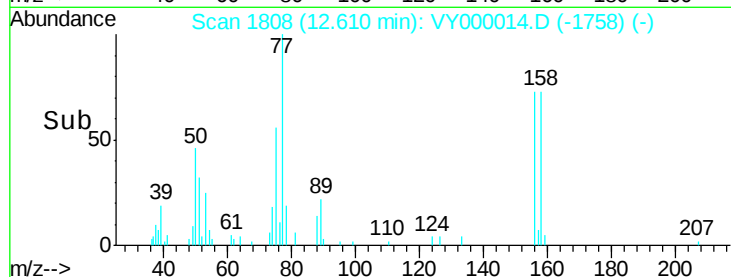
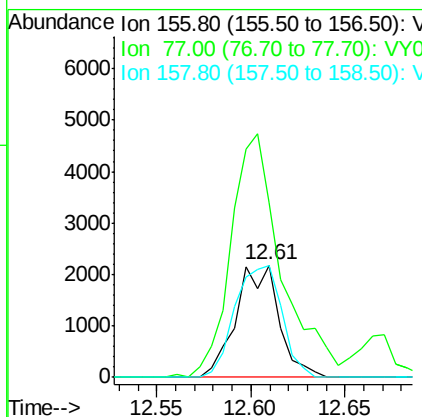
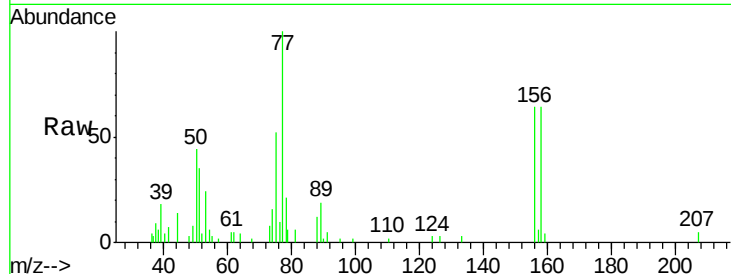
ClientSampleId :

MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
156	100		
77	254.3	106.5	319.6
158	107.9	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 2.391 ug/l

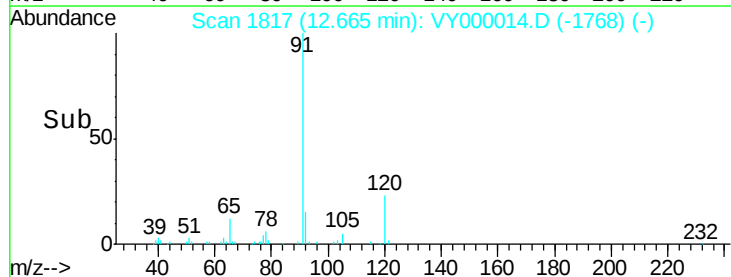
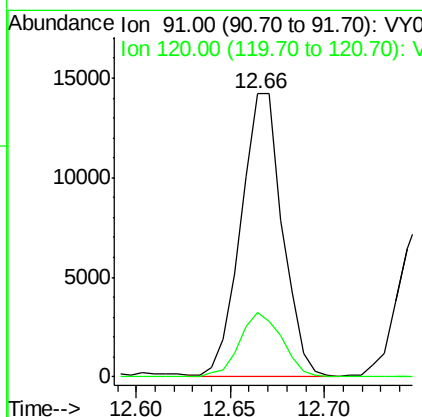
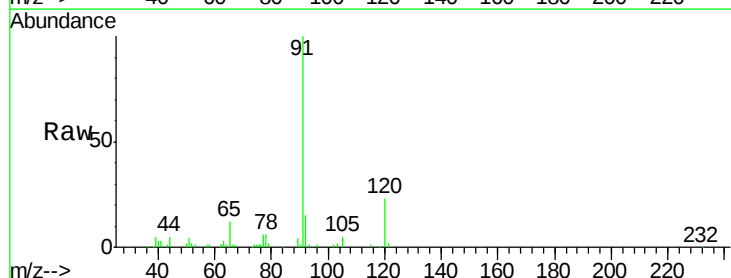
RT: 12.66 min Scan# 1817

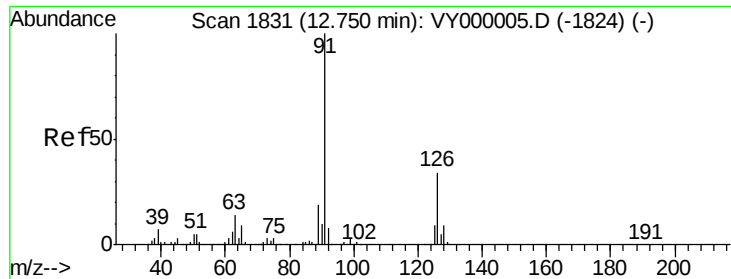
Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 2.387 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

ClientSampleId :

MDL 3 PPB

Tot Ion: 91 Resp: 12101

Ion Ratio Lower Upper

91 100

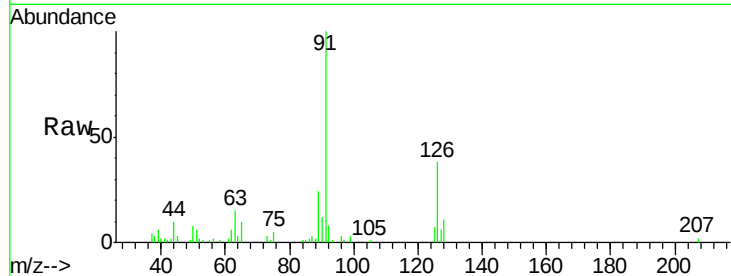
126 35.7 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000005.D (-1824) (-)

Ion 125.90 (125.60 to 126.60): VY000005.D (-1824) (-)

15000

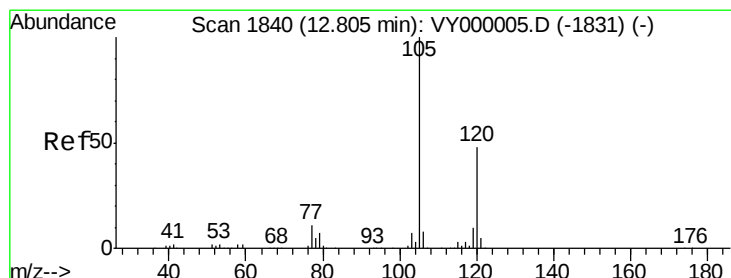
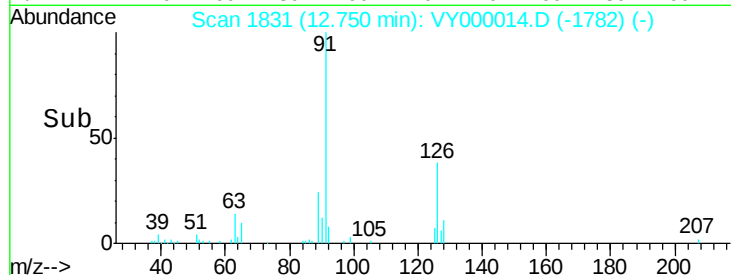
10000

5000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.493 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000014.D

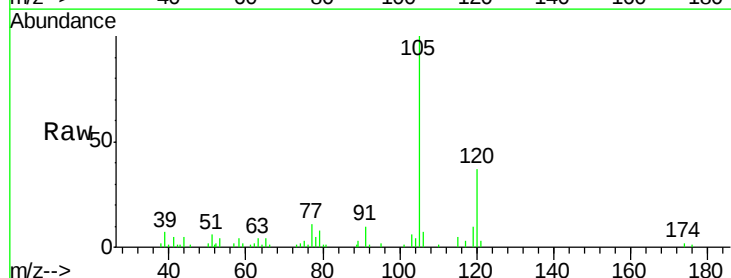
Acq: 11 Sep 2019 21:29

Tgt Ion: 105 Resp: 15566

Ion Ratio Lower Upper

105 100

120 44.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY000005.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000005.D (-1831) (-)

12000

10000

8000

6000

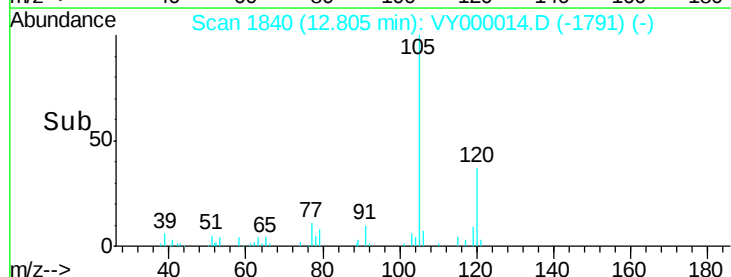
4000

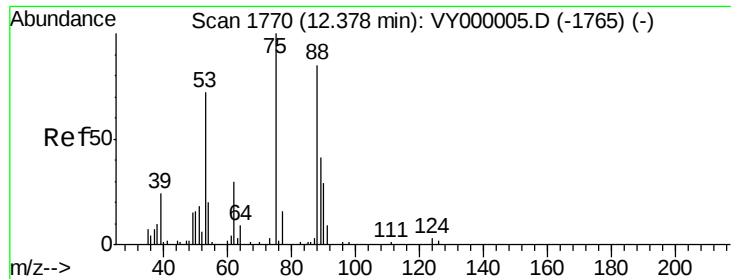
2000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 2.838 ug/l

RT: 12.37 min Scan# 1769

Delta R.T. -0.01 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Instrument :

MSVOA_Y

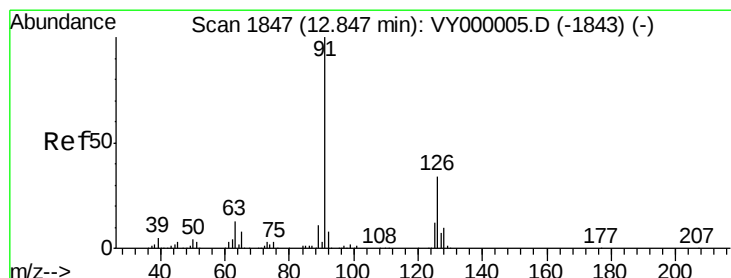
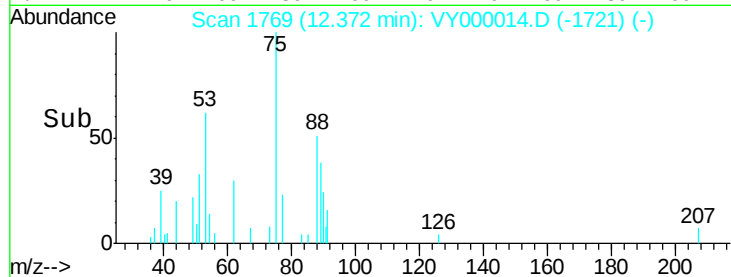
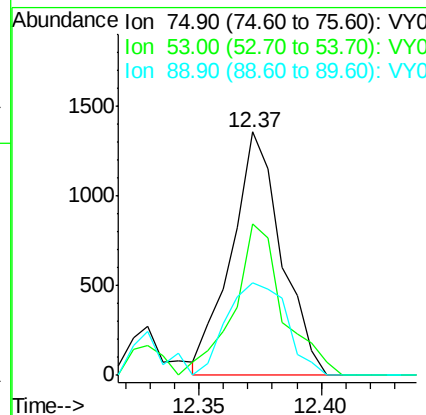
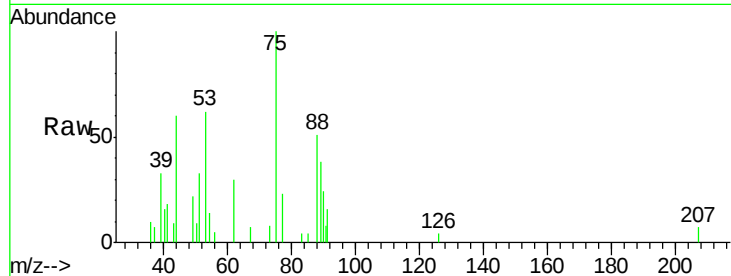
ClientSampleId :

MDL 3 PPB

Tot Ion:	75	Resp:	1932
Ion	Ratio	Lower	Upper
75	100		
53	61.3	63.0	94.6#
89	45.7	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.511 ug/l

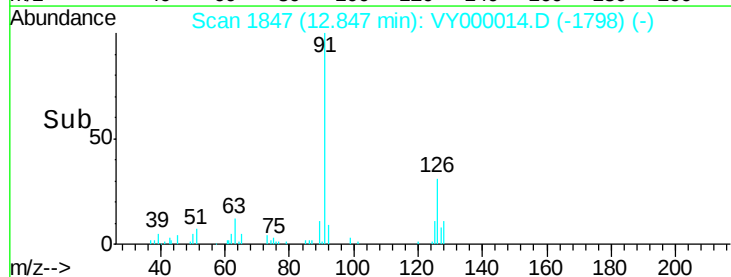
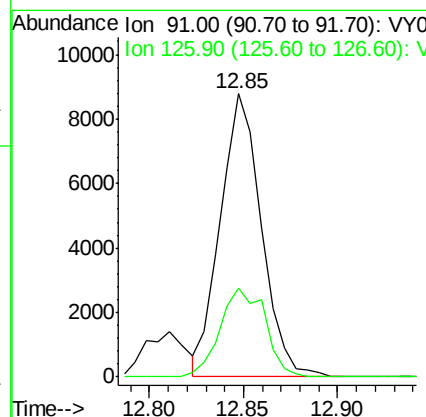
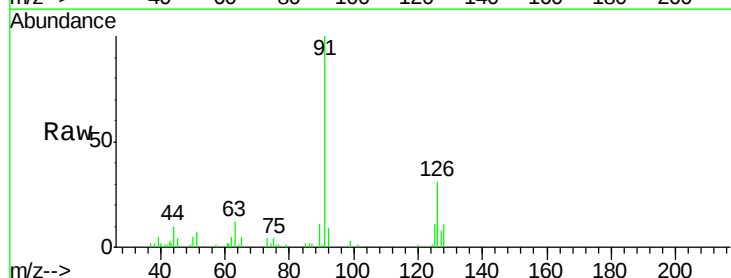
RT: 12.85 min Scan# 1847

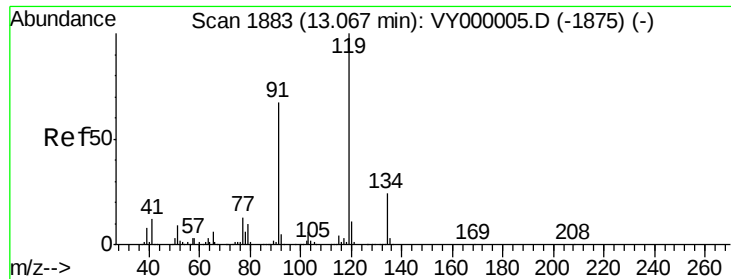
Delta R.T. -0.00 min

Lab File: VY000014.D

Acq: 11 Sep 2019 21:29

Tgt Ion:	91	Resp:	13296
Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.0	50.9





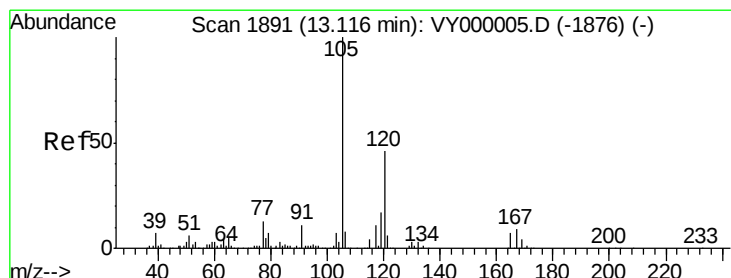
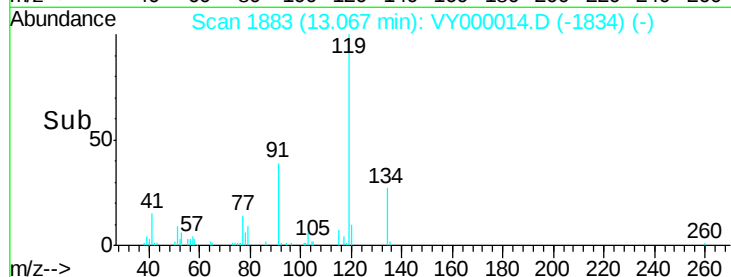
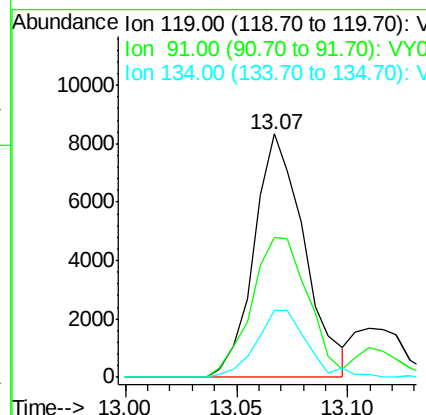
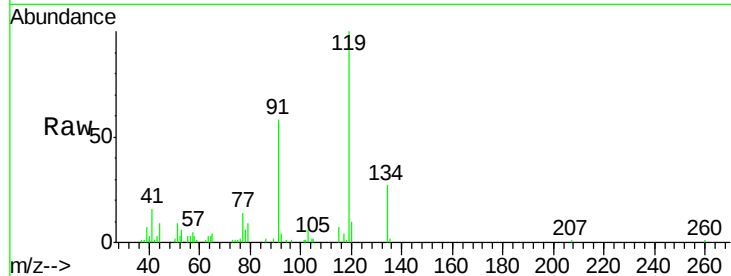
#83
 tert-Butylbenzene
 Concen: 2.469 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	33.6	100.8
134	28.0	13.7	41.0

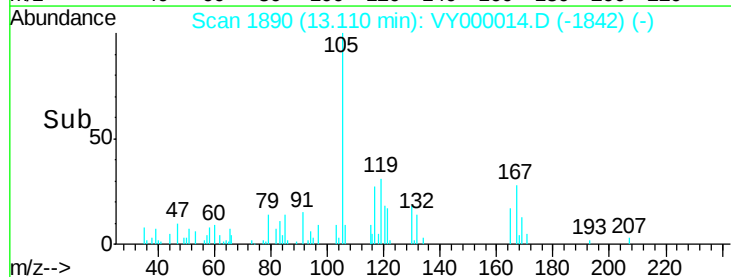
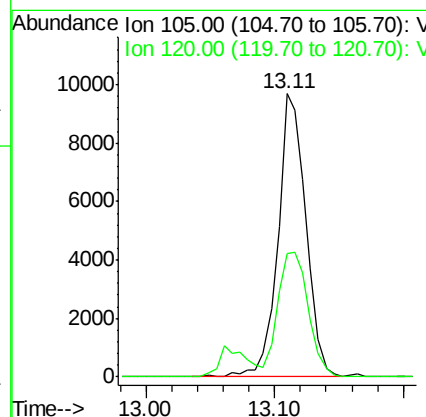
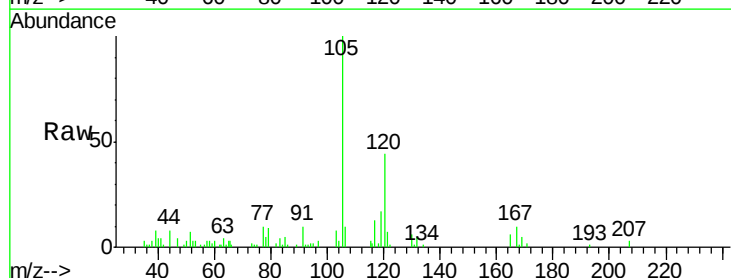
Manual Integrations
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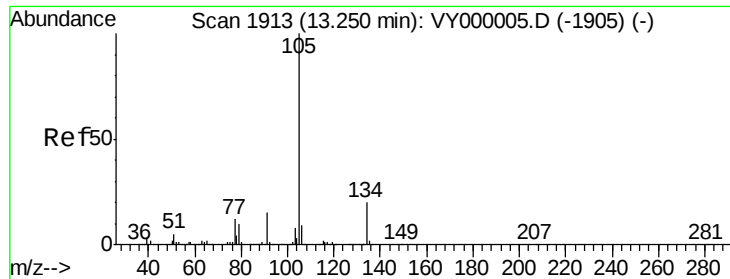
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 2.397 ug/l
 RT: 13.11 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	22.8	68.3





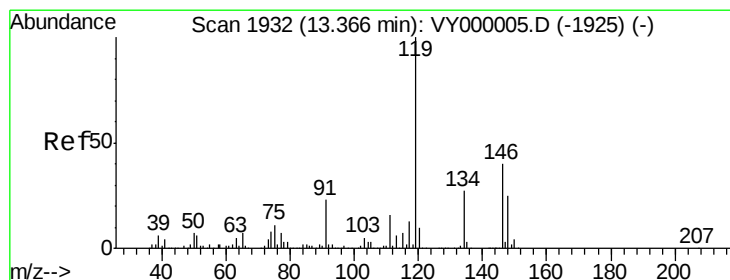
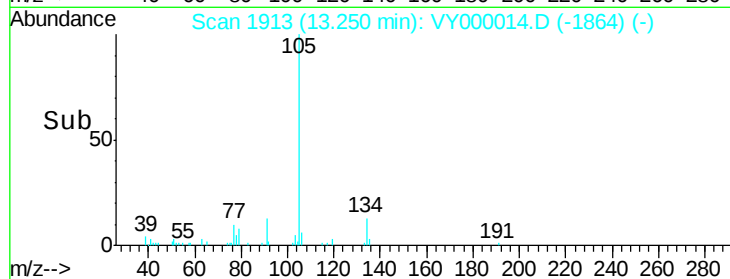
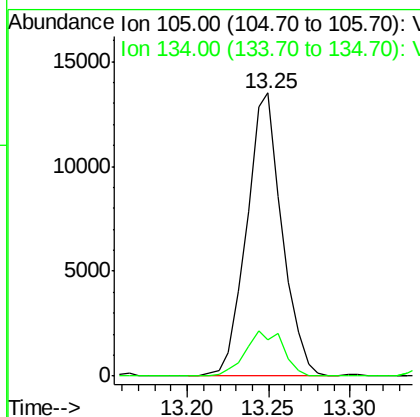
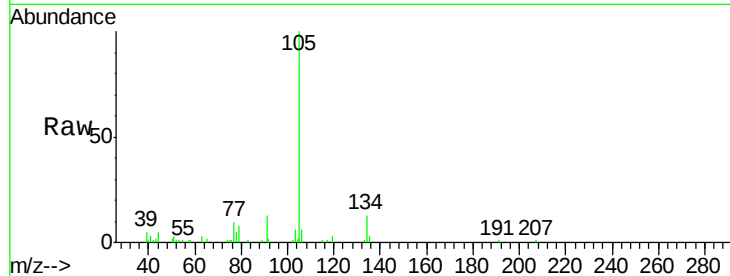
#85
 sec-Butylbenzene
 Concen: 2.572 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.2	9.9	29.7

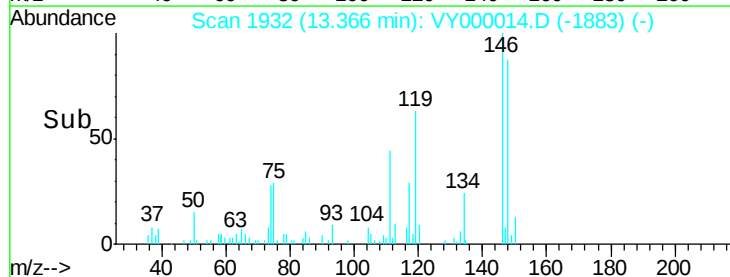
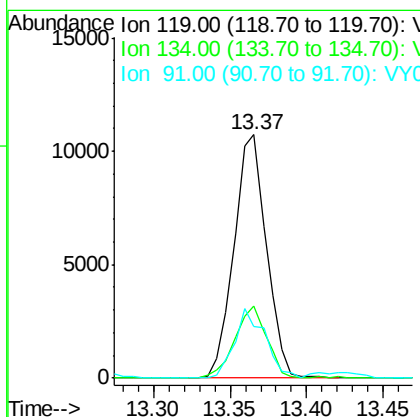
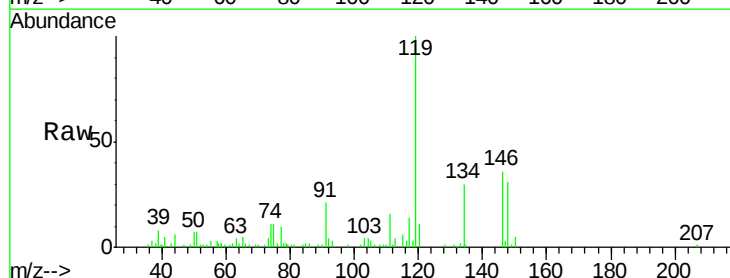
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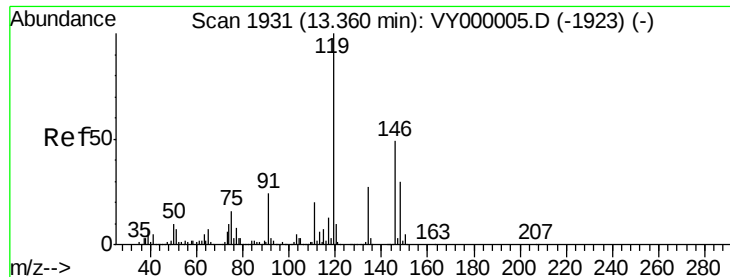
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#86
 p-Isopropyltoluene
 Concen: 2.375 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.9	13.7	41.1
91	26.7	12.2	36.6





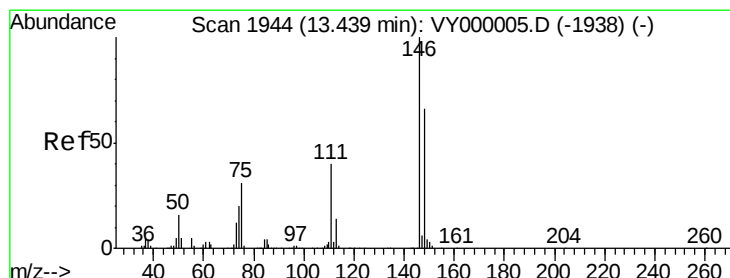
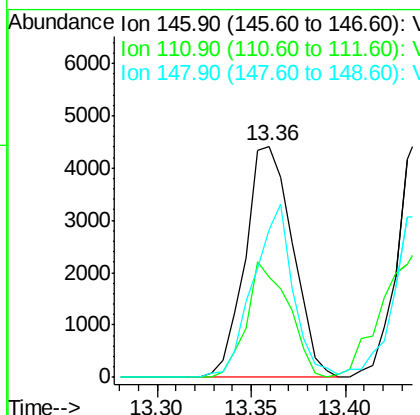
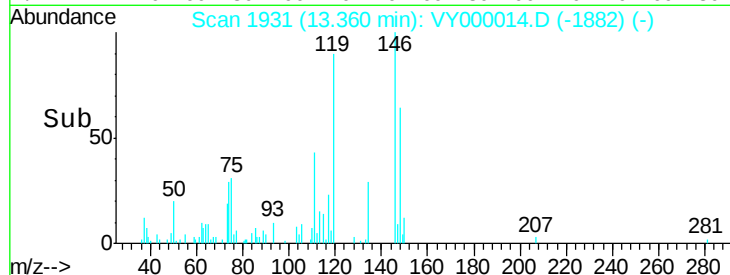
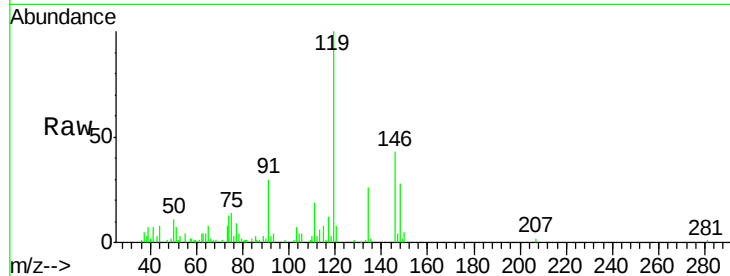
#87
 1,3-Dichlorobenzene
 Concen: 2.479 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.6	61.9
148	63.1	31.3	93.9

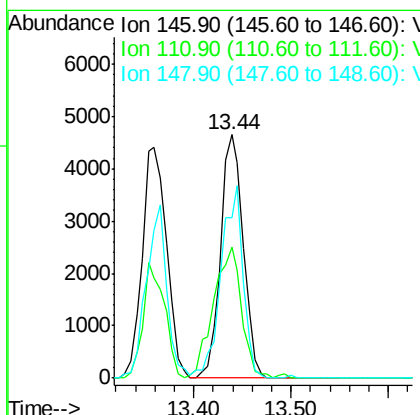
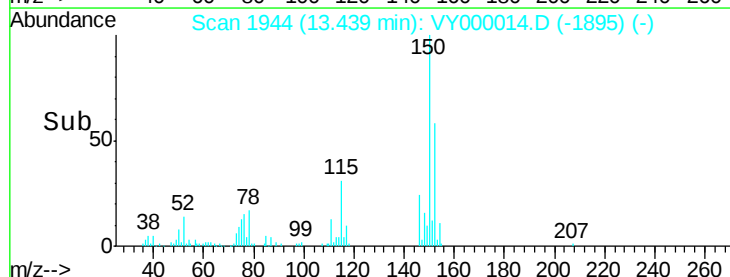
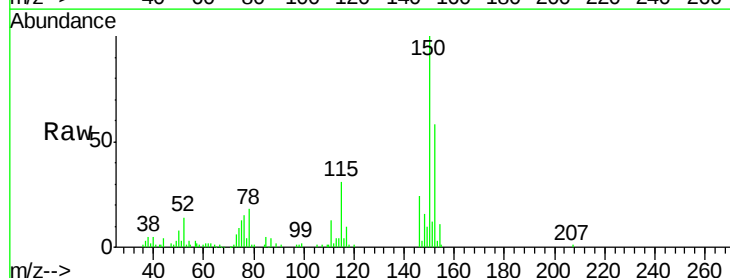
Manual Integrations
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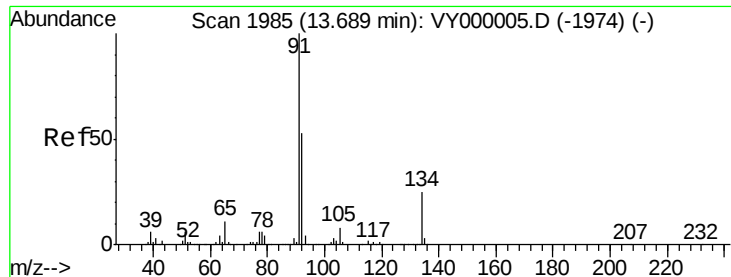
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#88
 1,4-Dichlorobenzene
 Concen: 2.369 ug/l m
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	20.3	60.9
148	65.4	31.9	95.7





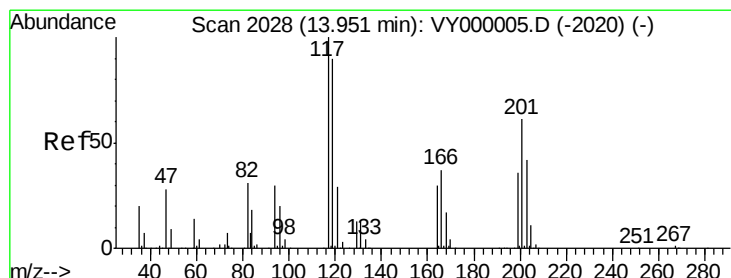
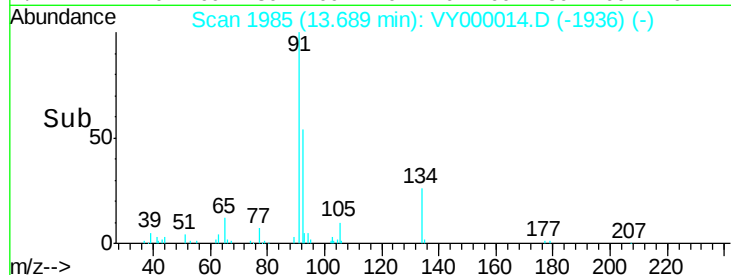
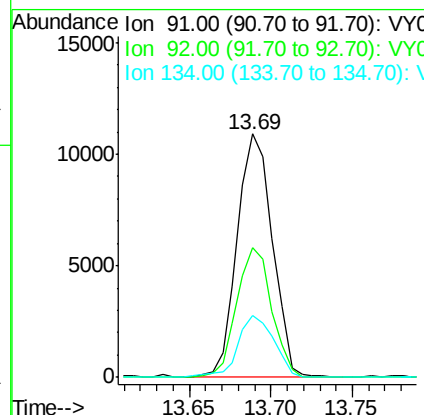
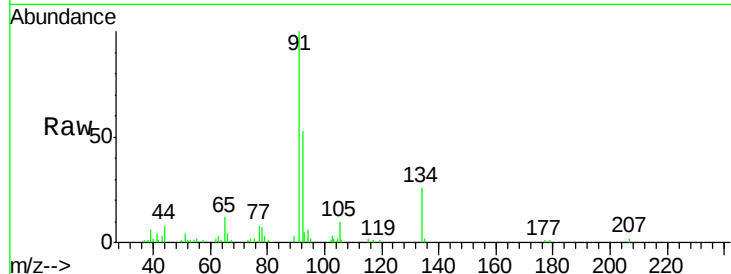
#89
n-Butylbenzene
Concen: 2.478 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampled :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	27.0	80.8
134	25.9	12.7	38.0

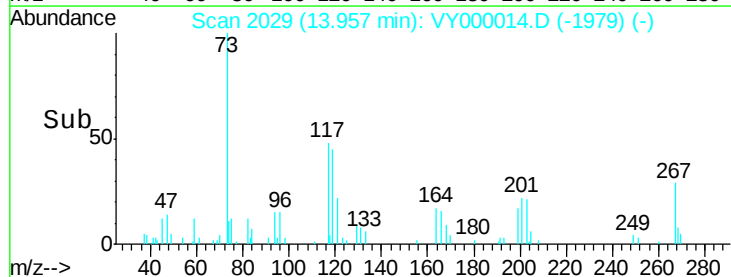
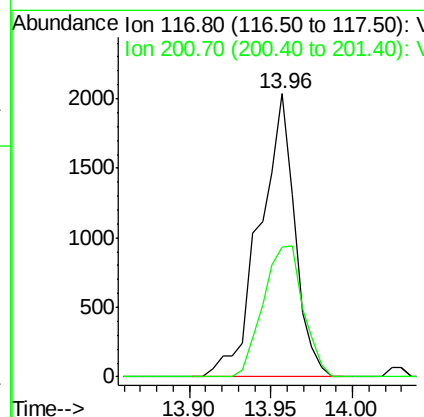
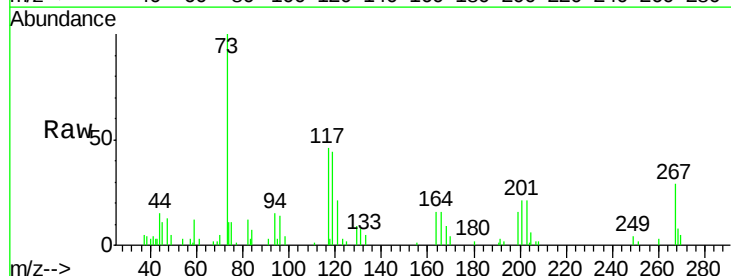
Manual Integrations
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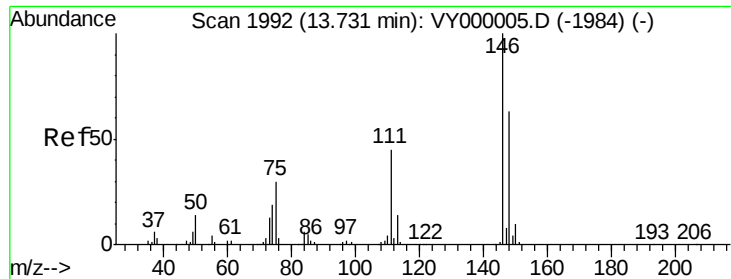
MMDadoda
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#90
Hexachloroethane
Concen: 2.256 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.9	32.3	96.8





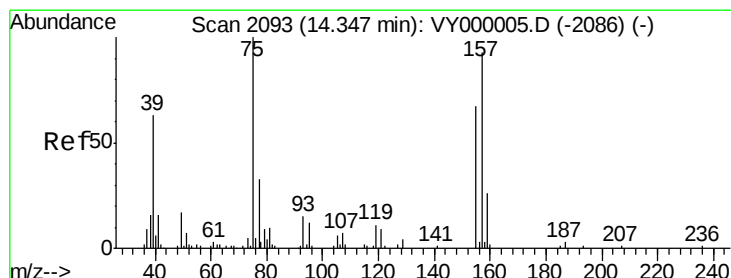
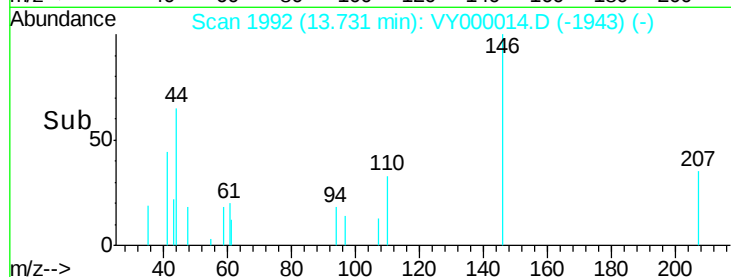
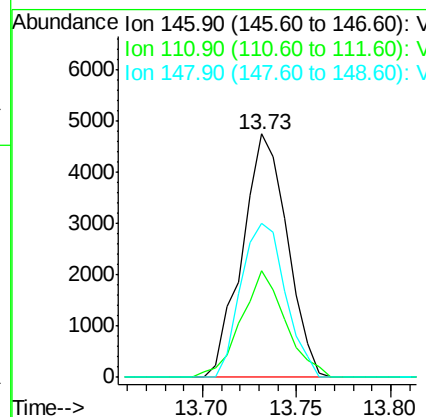
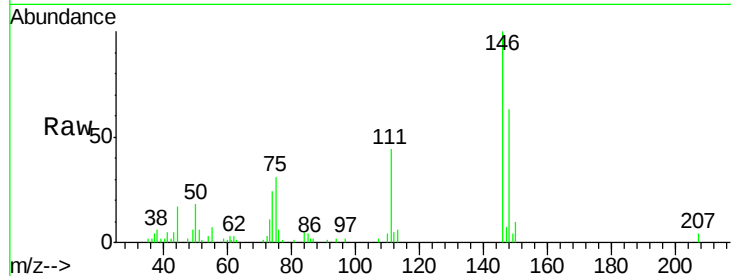
#91
 1,2-Dichlorobenzene
 Concen: 2.693 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.9	65.5
148	62.5	31.9	95.5

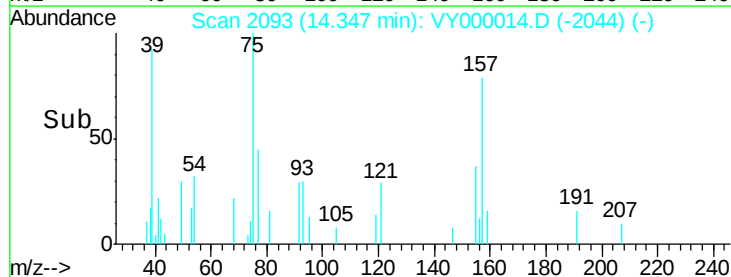
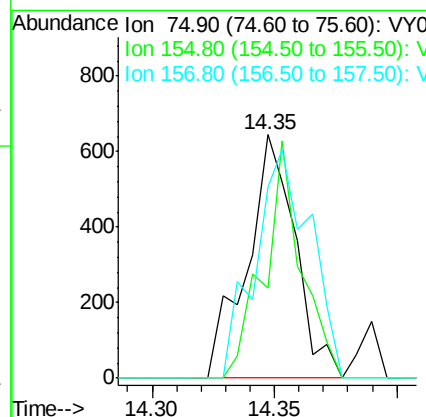
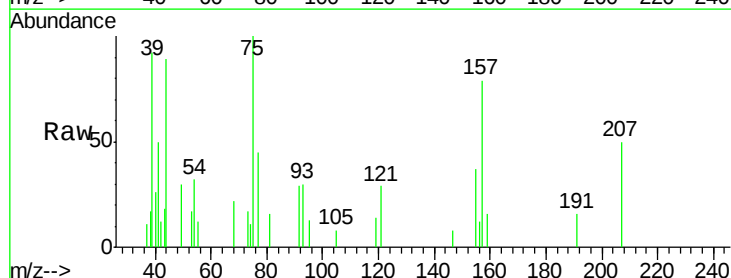
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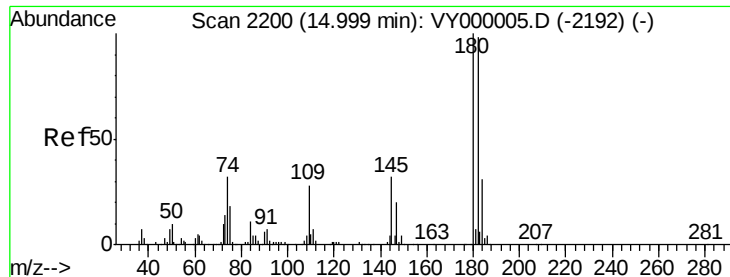
MMDadoda
 9/13/2019 11:51:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.735 ug/l
 RT: 14.35 min Scan# 2093
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.8	41.4	124.2
157	107.2	52.8	158.4





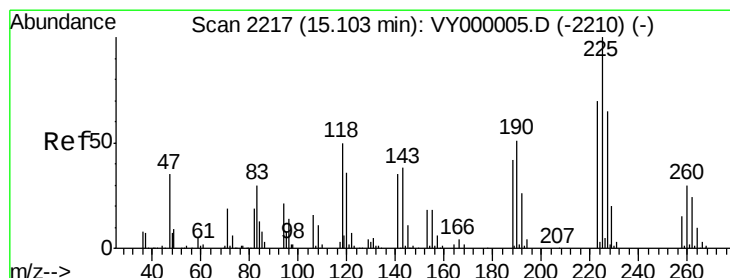
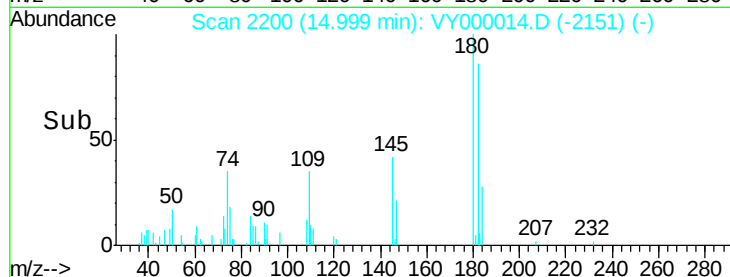
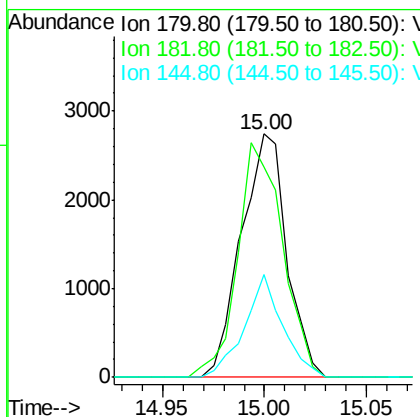
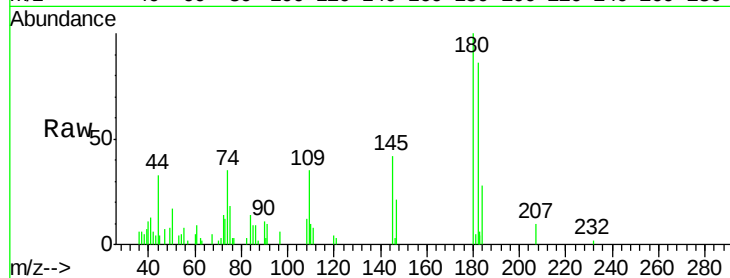
#93
 1,2,4-Trichlorobenzene
 Concen: 2.376 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL 3 PPB

Tot Ion	Ratio	Resp	Lower	Upper
180	100	4236		
182	95.4		48.4	145.2
145	35.8		17.2	51.6

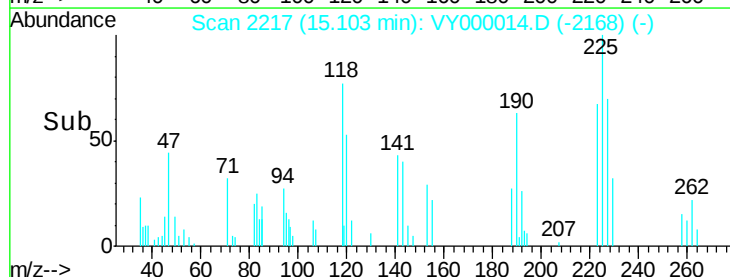
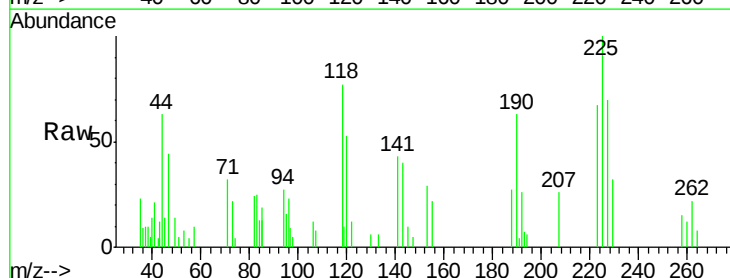
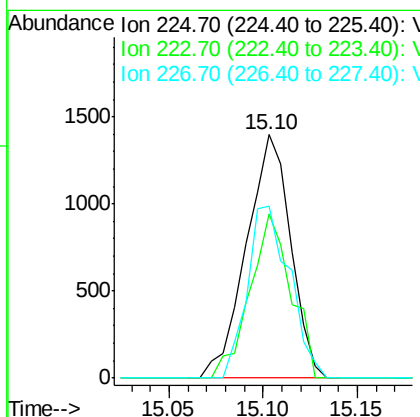
Manual Integrations
 APPROVED

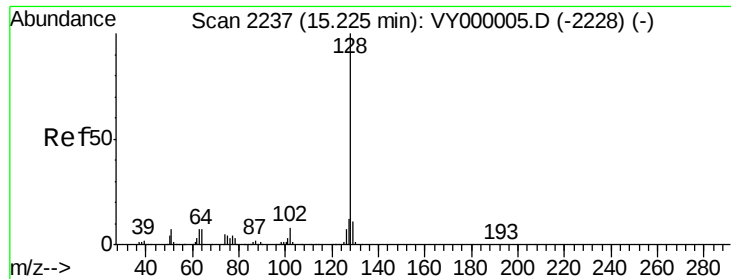
MMDadoda
 9/13/2019 11:51:45 PM



#94
 Hexachlorobutadiene
 Concen: 2.633 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000014.D
 Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2273		
223	62.4		32.3	96.8
227	67.6		31.8	95.4





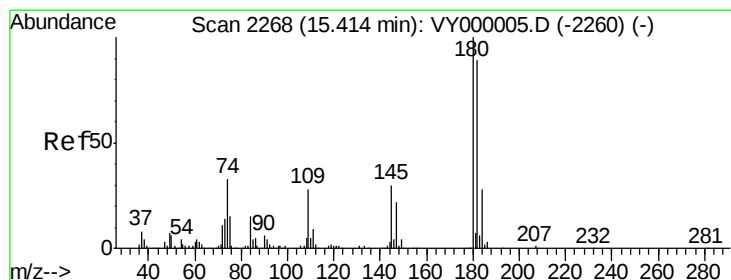
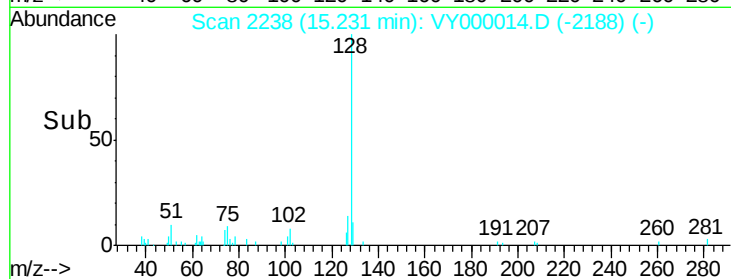
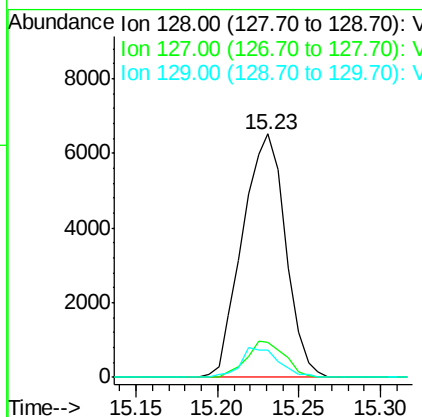
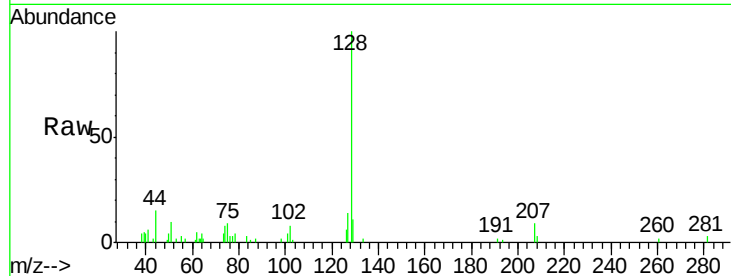
#95
Naphthalene
Concen: 2.458 ug/l
RT: 15.23 min Scan# 2238
Delta R.T. 0.01 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Instrument :
MSVOA_Y
ClientSampleId :
MDL 3 PPB

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.8	14.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:51:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 2.710 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000014.D
Acq: 11 Sep 2019 21:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.1	138.2
145	34.3	16.2	48.6

