

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
 Data File : VY000948.D
 Acq On : 16 Dec 2019 12:14
 Operator : SY/MD
 Sample : VY1216SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Quant Time: Dec 17 06:03:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	299570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	519520	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	463921	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	217820	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	157594	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.72	113	154243	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.18	98	629130	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	12.48	95	218875	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.90	85	57468	17.821	ug/l	95
3) Chloromethane	2.12	50	76702	19.296	ug/l	97
4) Vinyl Chloride	2.25	62	72399	18.480	ug/l	96
5) Bromomethane	2.63	94	49204	19.301	ug/l	98
6) Chloroethane	2.79	64	44733	18.623	ug/l	98
7) Trichlorofluoromethane	3.12	101	106640	19.862	ug/l	90
8) Diethyl Ether	3.54	74	43230	21.393	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	68323	20.607	ug/l	99
10) Methyl Iodide	4.09	142	74206	17.776	ug/l	97
11) Tert butyl alcohol	4.97	59	33879	105.788	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	68581	20.879	ug/l	97
13) Acrolein	3.74	56	32748	103.807	ug/l	96
14) Allyl chloride	4.49	41	113791	20.204	ug/l	97
15) Acrylonitrile	5.17	53	113991	109.243	ug/l	98
16) Acetone	3.95	43	75952	104.013	ug/l	99
17) Carbon Disulfide	4.19	76	209768	19.746	ug/l	98
18) Methyl Acetate	4.48	43	60326	19.758	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	184334	21.014	ug/l	98
20) Methylene Chloride	4.72	84	88911	23.099	ug/l	97
21) trans-1,2-Dichloroethene	5.22	96	79510	21.297	ug/l	98
22) Diisopropyl ether	6.13	45	236903	20.466	ug/l	98
23) Vinyl Acetate	6.07	43	740479	105.224	ug/l	97
24) 1,1-Dichloroethane	6.03	63	131759	20.652	ug/l	100
25) 2-Butanone	7.00	43	138270	102.505	ug/l	95
26) 2,2-Dichloropropane	6.99	77	107642	20.046	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	83099	20.592	ug/l	98
28) Bromochloromethane	7.34	49	30351	14.467	ug/l	98
29) Tetrahydrofuran	7.36	42	97743	109.350	ug/l	99
30) Chloroform	7.52	83	123634	19.317	ug/l	96
31) Cyclohexane	7.79	56	132759	19.643	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	104245	19.725	ug/l	99
36) 1,1-Dichloropropene	7.93	75	102788	19.899	ug/l	98
37) Ethyl Acetate	7.08	43	65029	21.802	ug/l	99
38) Carbon Tetrachloride	7.91	117	91029	19.788	ug/l	98

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 Acq On : 16 Dec 2019 12:14
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 Sample : VY1216SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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Quant Time: Dec 17 06:03:01 2019
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 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:40:47 2019
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.18	83	134934	19.716	ug/l	97
40) Benzene	8.17	78	312460	20.766	ug/l	100
41) Methacrylonitrile	7.35	41	82951	52.767	ug/l #	32
42) 1,2-Dichloroethane	8.24	62	79381	20.061	ug/l	98
43) Isopropyl Acetate	8.28	43	116610	20.746	ug/l	99
44) Trichloroethene	8.94	130	83063	21.480	ug/l	98
45) 1,2-Dichloropropane	9.22	63	81285	21.507	ug/l	99
46) Dibromomethane	9.31	93	41462	20.996	ug/l	98
47) Bromodichloromethane	9.50	83	96078	20.711	ug/l	99
48) Methyl methacrylate	9.30	41	49664	20.093	ug/l	93
49) 1,4-Dioxane	9.30	88	12855	459.432	ug/l #	87
51) 4-Methyl-2-Pentanone	10.07	43	310751	107.003	ug/l	99
52) Toluene	10.24	92	191981	20.607	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	102756	20.618	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	125232	21.258	ug/l	95
55) 1,1,2-Trichloroethane	10.64	97	61915	21.222	ug/l	94
56) Ethyl methacrylate	10.51	69	89138	21.358	ug/l	98
57) 1,3-Dichloropropane	10.79	76	106454	20.935	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	188543	112.038	ug/l	99
59) 2-Hexanone	10.83	43	215555	101.861	ug/l	99
60) Dibromochloromethane	10.98	129	66721	21.244	ug/l	99
61) 1,2-Dibromoethane	11.08	107	57444	20.892	ug/l	98
64) Tetrachloroethene	10.72	164	87488	21.706	ug/l	95
65) Chlorobenzene	11.52	112	202157	20.963	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68043	20.938	ug/l	100
67) Ethyl Benzene	11.59	91	371877	20.706	ug/l	98
68) m/p-Xylenes	11.70	106	275622	40.887	ug/l	100
69) o-Xylene	12.03	106	133748	21.280	ug/l	96
70) Styrene	12.04	104	227715	21.159	ug/l	98
71) Bromoform	12.20	173	38392	20.946	ug/l #	100
73) Isopropylbenzene	12.33	105	357965	20.640	ug/l	99
74) N-amyl acetate	12.14	43	101437	21.013	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	69661	20.385	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	99626	40.369	ug/l #	100
77) Bromobenzene	12.61	156	77180	20.530	ug/l	99
78) n-propylbenzene	12.67	91	430689	20.338	ug/l	100
79) 2-Chlorotoluene	12.75	91	232726	19.893	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	298548	20.790	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	26337	20.963	ug/l	97
82) 4-Chlorotoluene	12.85	91	247747	20.555	ug/l	99
83) tert-Butylbenzene	13.07	119	246594	20.425	ug/l	100
84) 1,2,4-Trimethylbenzene	13.11	105	290315	20.208	ug/l	98
85) sec-Butylbenzene	13.25	105	365019	20.789	ug/l	99
86) p-Isopropyltoluene	13.36	119	319406	20.915	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	153214	20.775	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	154179	21.114	ug/l	99
89) n-Butylbenzene	13.69	91	324175	20.995	ug/l	100
90) Hexachloroethane	13.95	117	57746	20.526	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	140191	21.133	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	12207	21.337	ug/l	97

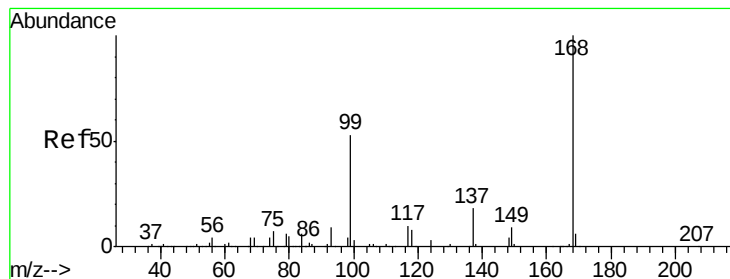
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\DATA\VY121619\
Data File : VY000948.D
Acq On : 16 Dec 2019 12:14
Operator : SY/MD
Sample : VY1216SBSD01
Misc : 5.00G/5ML/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBSD01

Quant Time: Dec 17 06:03:01 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:40:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	97843	21.797	ug/l	100
94) Hexachlorobutadiene	15.11	225	48480	21.784	ug/l	99
95) Naphthalene	15.23	128	231717	22.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	89261	22.262	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

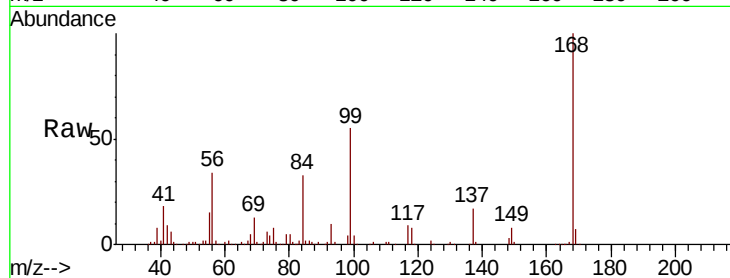
VY1216SBS01

Tgt Ion:168 Resp: 299570

Ion Ratio Lower Upper

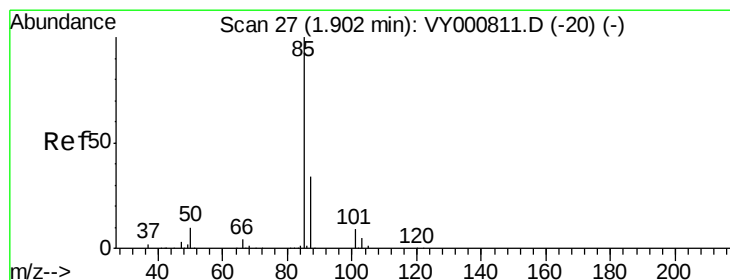
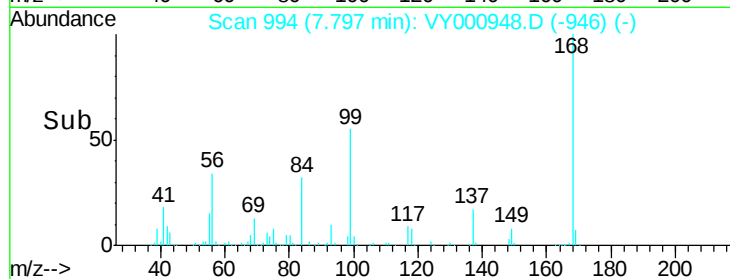
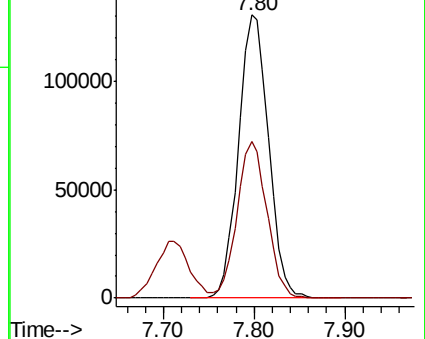
168 100

99 55.4 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VY000948.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000948.D (-946) (-)



#2

Dichlorodifluoromethane

Concen: 17.821 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000948.D

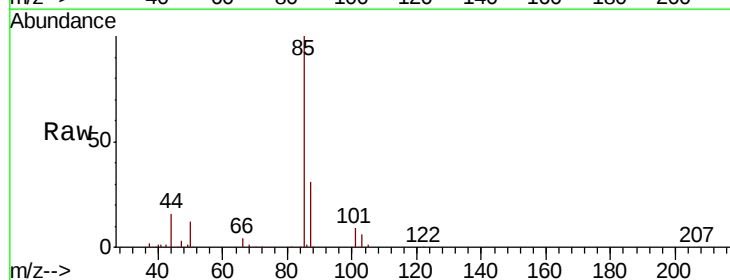
Acq: 16 Dec 2019 12:14

Tgt Ion: 85 Resp: 57468

Ion Ratio Lower Upper

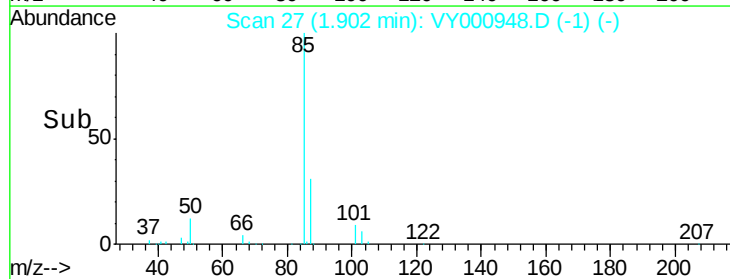
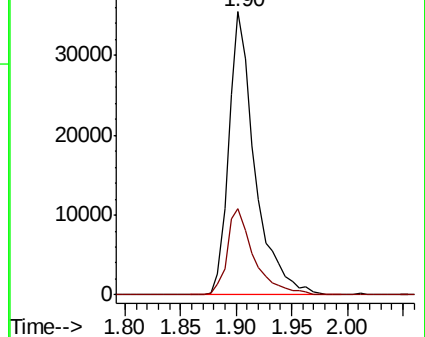
85 100

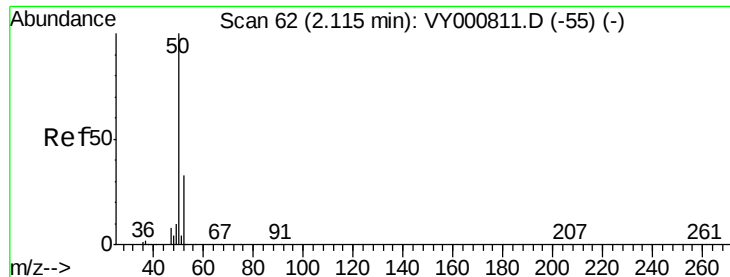
87 30.6 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000948.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000948.D (-1) (-)





#3

Chloromethane

Concen: 19.296 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

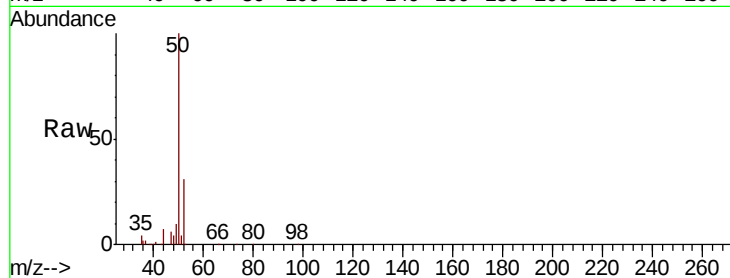
VY1216SBS01

Tgt Ion: 50 Resp: 76702

Ion Ratio Lower Upper

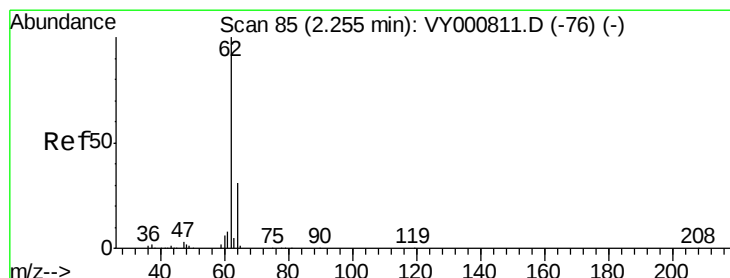
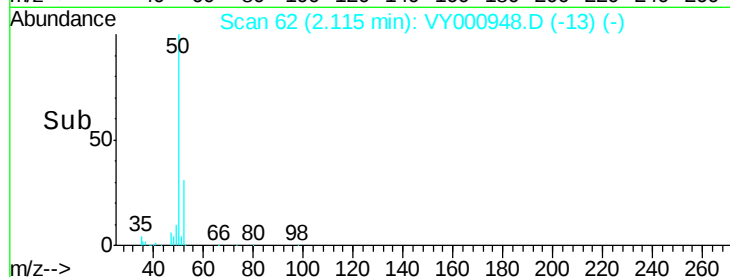
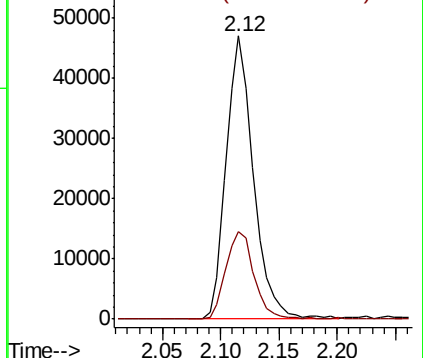
50 100

52 30.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 18.480 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000948.D

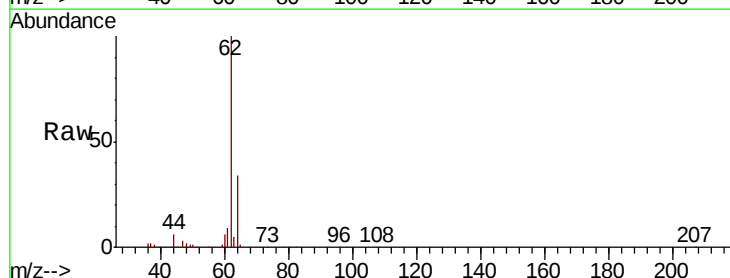
Acq: 16 Dec 2019 12:14

Tgt Ion: 62 Resp: 72399

Ion Ratio Lower Upper

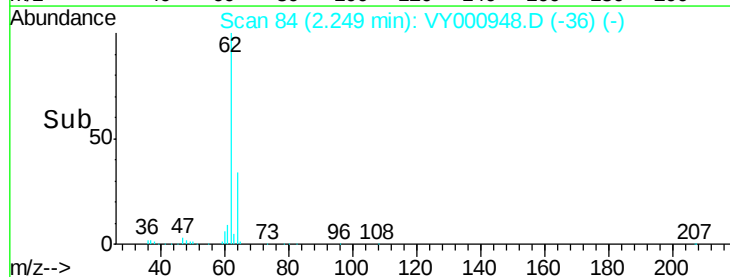
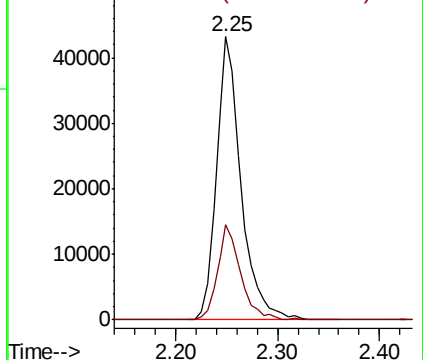
62 100

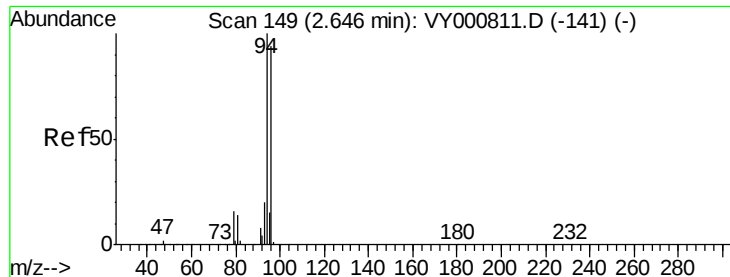
64 33.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 19.301 ug/l

RT: 2.63 min Scan# 146

Delta R.T. -0.02 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

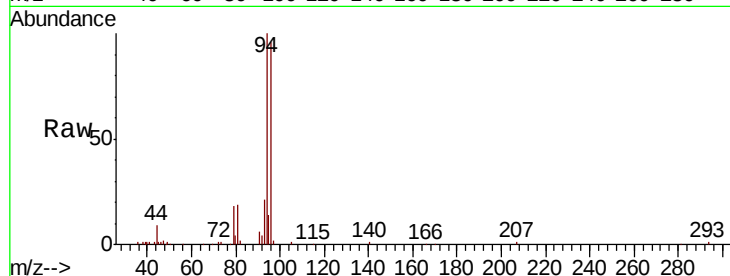
VY1216SBS01

Tgt Ion: 94 Resp: 49204

Ion Ratio Lower Upper

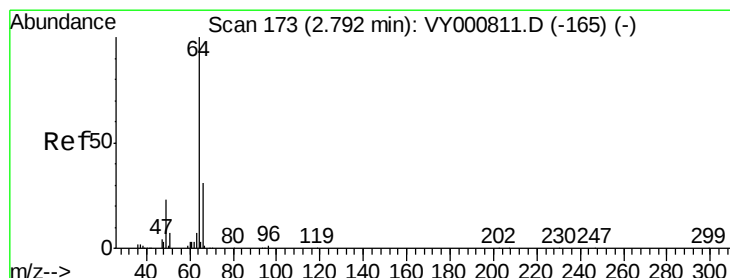
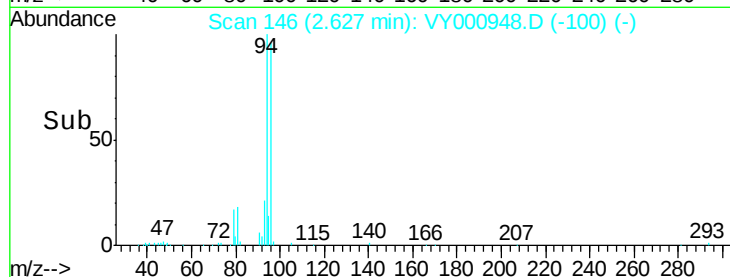
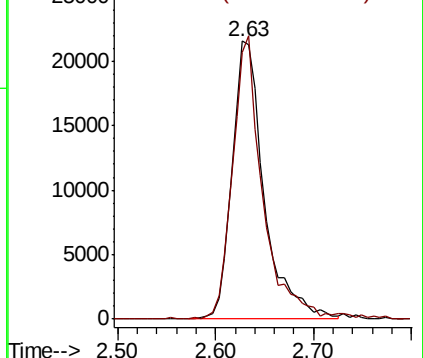
94 100

96 96.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 18.623 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000948.D

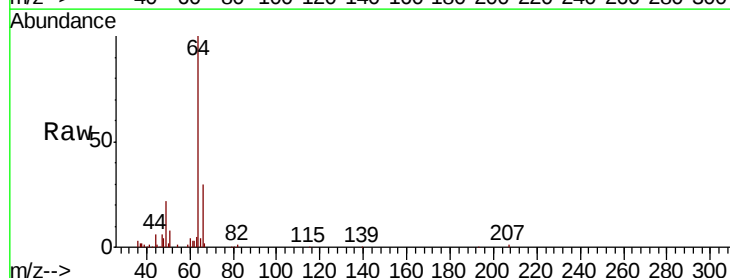
Acq: 16 Dec 2019 12:14

Tgt Ion: 64 Resp: 44733

Ion Ratio Lower Upper

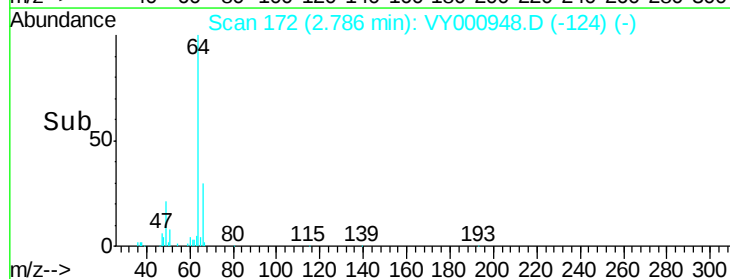
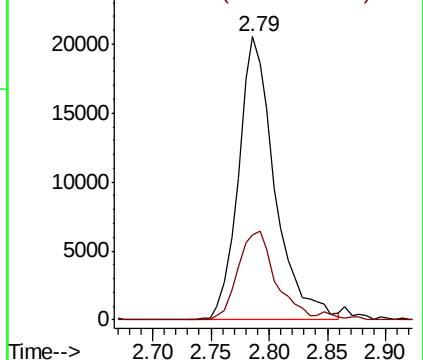
64 100

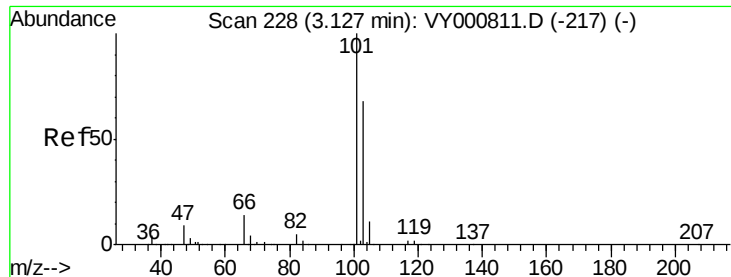
66 30.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



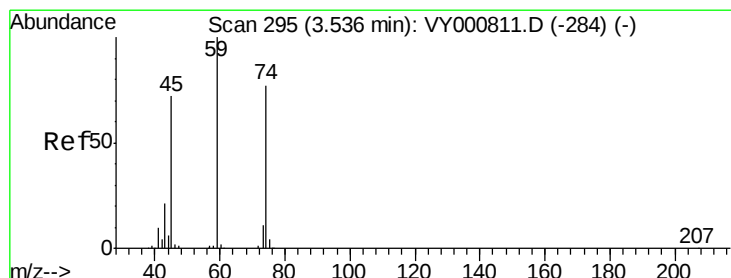
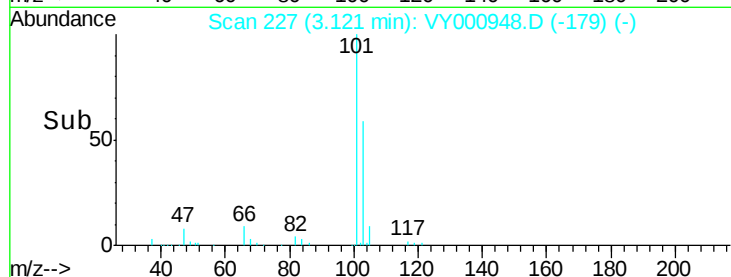
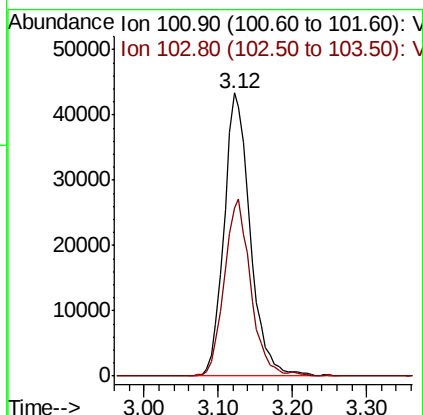
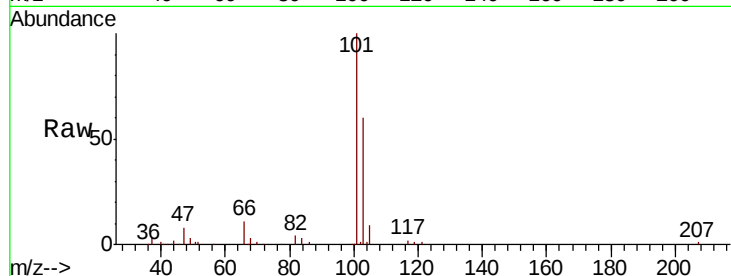


#7

Trichlorofluoromethane
 Concen: 19.862 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

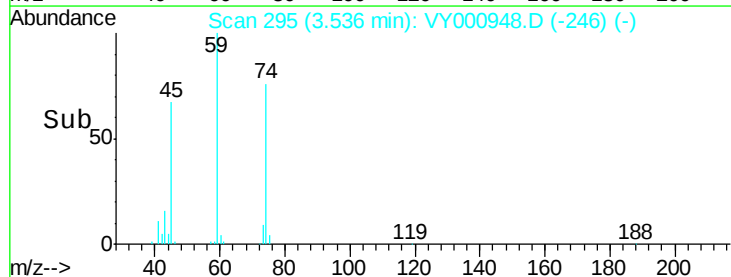
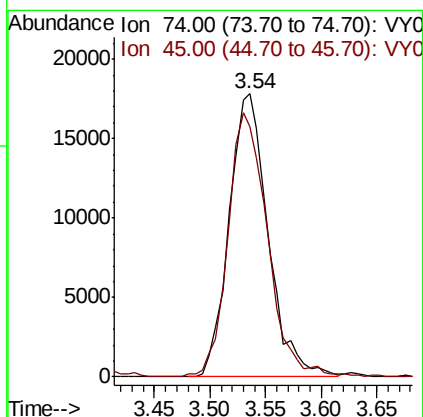
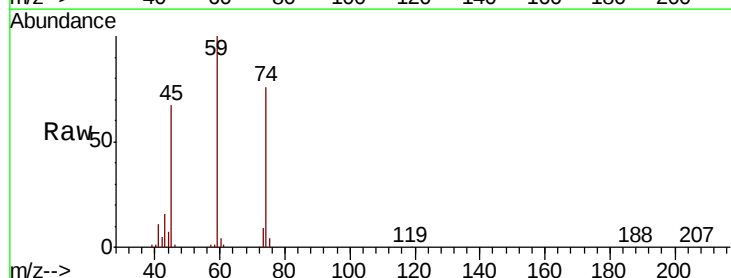
Tgt Ion:101 Resp: 106640
 Ion Ratio Lower Upper
 101 100
 103 59.6 54.2 81.2

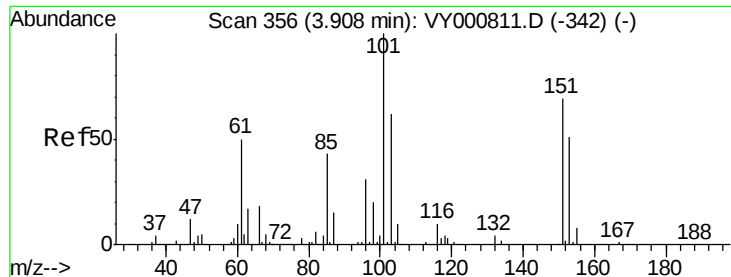


#8

Diethyl Ether
 Concen: 21.393 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 74 Resp: 43230
 Ion Ratio Lower Upper
 74 100
 45 94.9 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.607 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

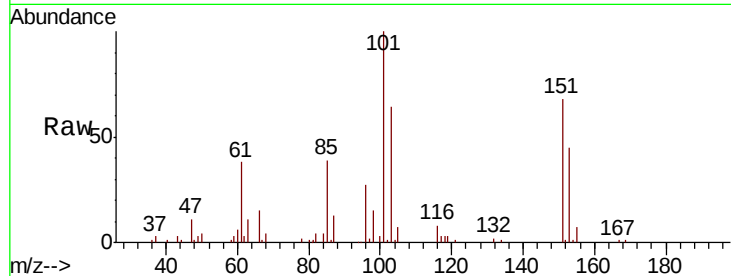
Tgt Ion:101 Resp: 68323

Ion Ratio Lower Upper

101 100

85 44.2 36.0 54.0

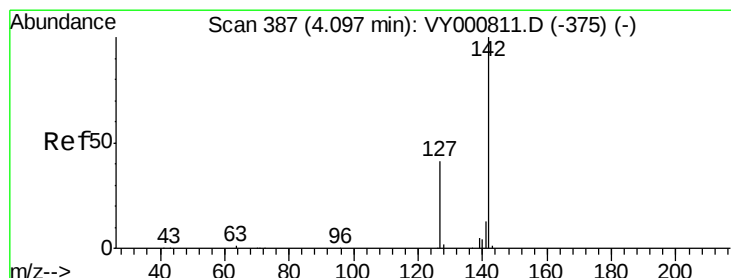
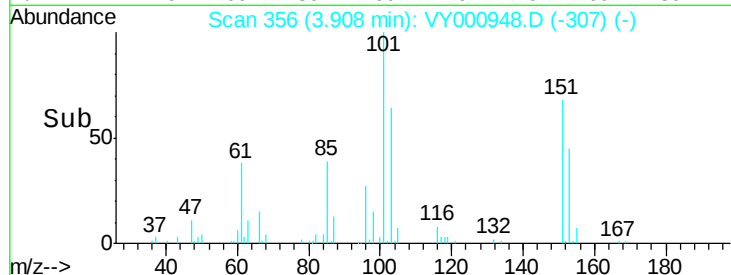
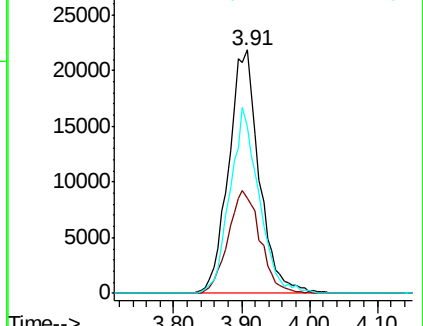
151 72.4 58.2 87.2



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: 17.776 ug/l

RT: 4.09 min Scan# 386

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

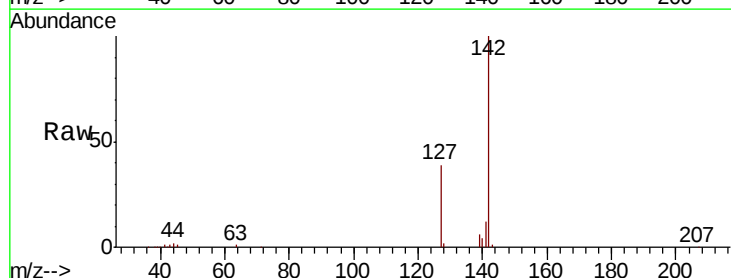
Tgt Ion:142 Resp: 74206

Ion Ratio Lower Upper

142 100

127 40.0 33.8 50.8

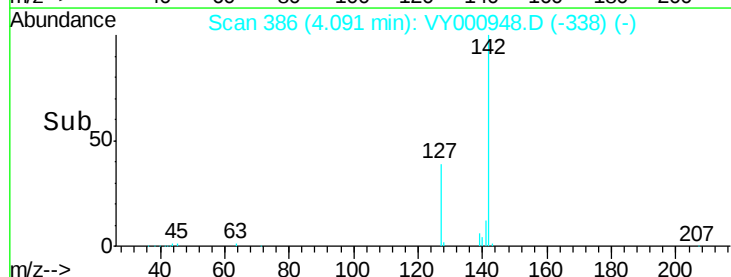
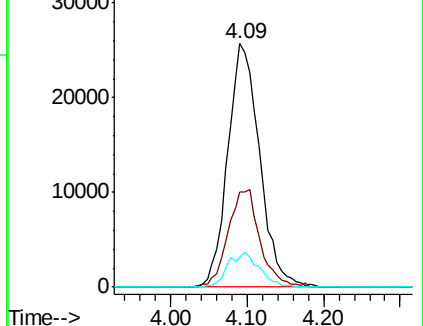
141 14.0 10.9 16.3

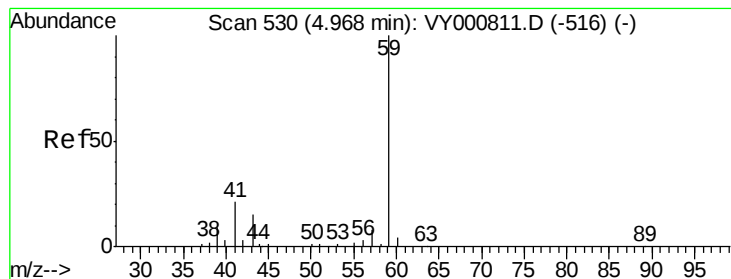


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



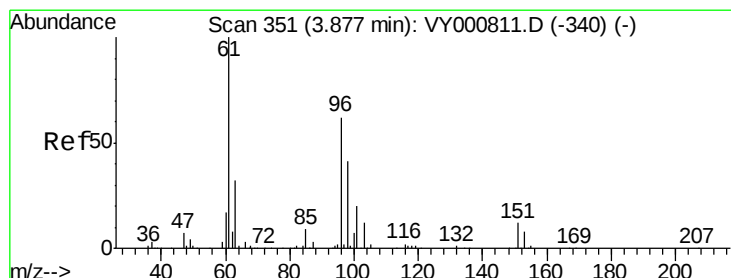
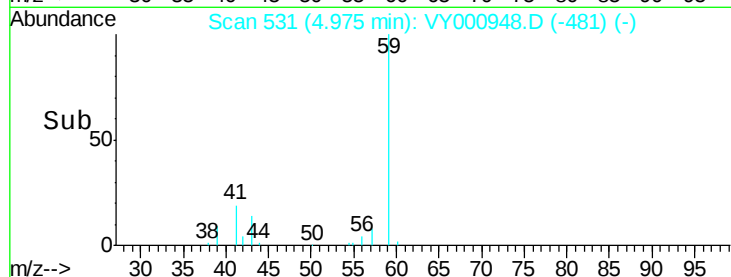
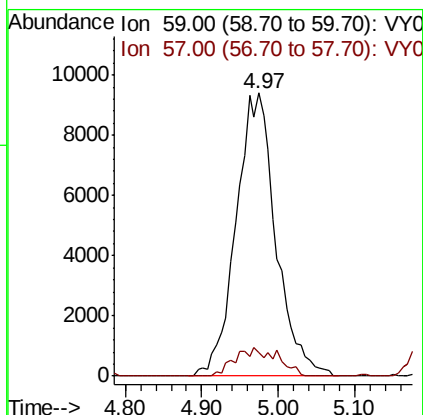
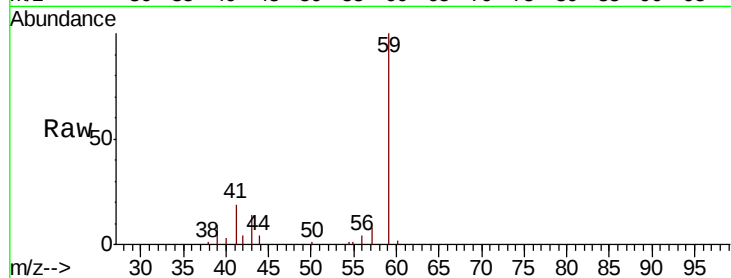


#11

Tert butyl alcohol
 Concen: 105.788 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

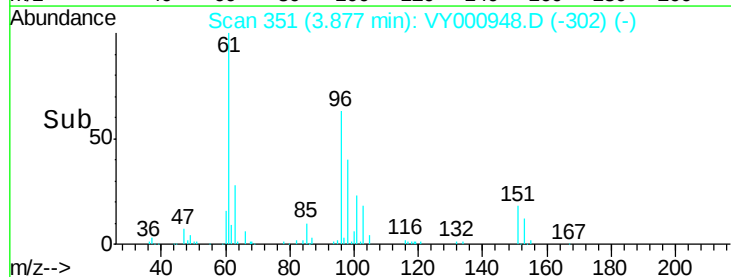
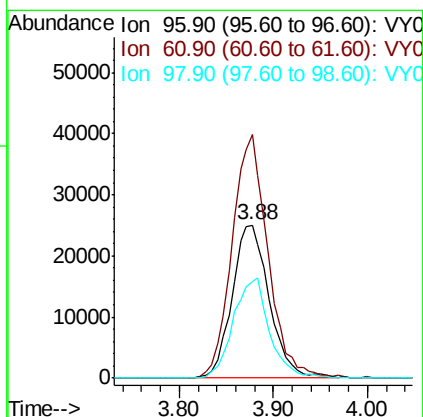
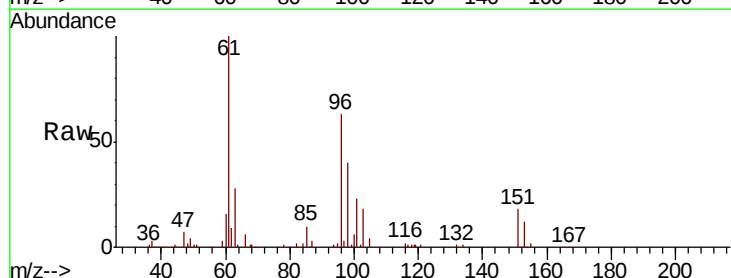
Tgt Ion: 59 Resp: 33879
 Ion Ratio Lower Upper
 59 100
 57 4.2 7.8 11.6#

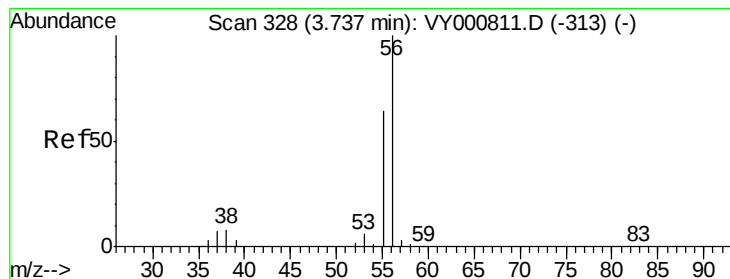


#12

1,1-Dichloroethene
 Concen: 20.879 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 96 Resp: 68581
 Ion Ratio Lower Upper
 96 100
 61 159.1 129.4 194.2
 98 63.4 53.4 80.0





#13

Acrolein

Concen: 103.807 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

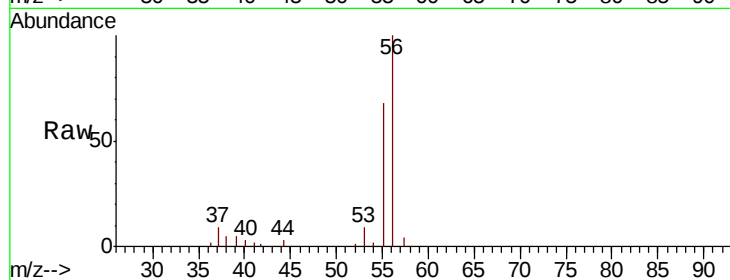
VY1216SBS01

Tgt Ion: 56 Resp: 32748

Ion Ratio Lower Upper

56 100

55 66.4 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VY000948.D (-279) (-)

Ion 55.00 (54.70 to 55.70): VY000948.D (-279) (-)

3.74

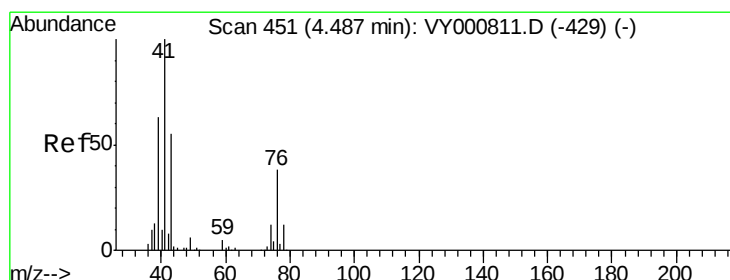
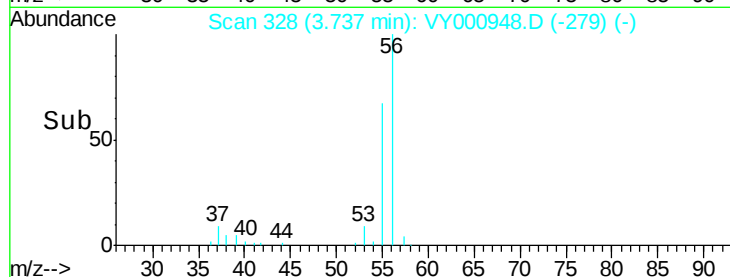
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.204 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

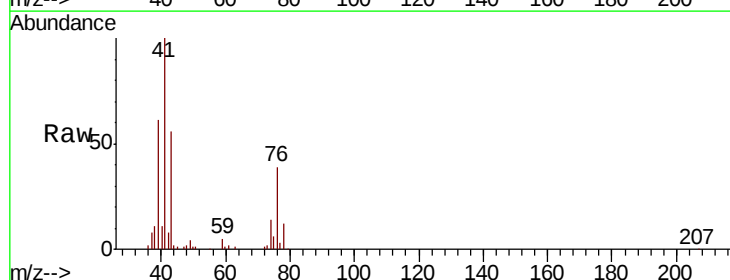
Tgt Ion: 41 Resp: 113791

Ion Ratio Lower Upper

41 100

39 59.2 49.2 73.8

76 37.9 29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VY000948.D (-402) (-)

Ion 39.00 (38.70 to 39.70): VY000948.D (-402) (-)

Ion 75.90 (75.60 to 76.60): VY000948.D (-402) (-)

4.49

50000

40000

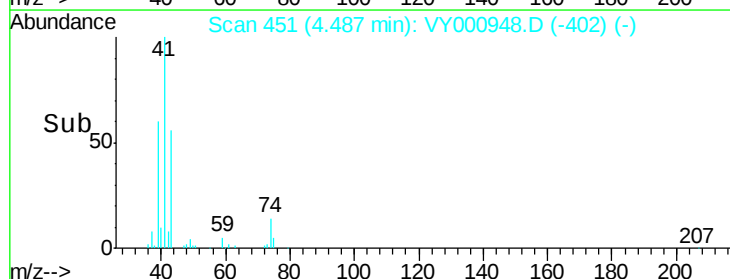
30000

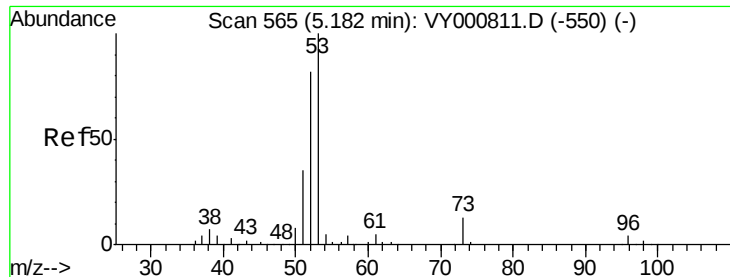
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 109.243 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

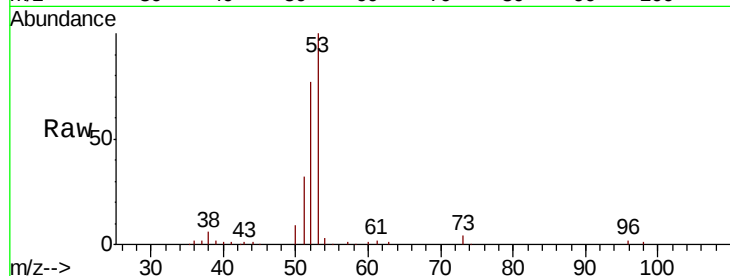
Tgt Ion: 53 Resp: 113991

Ion Ratio Lower Upper

53 100

52 80.4 65.1 97.7

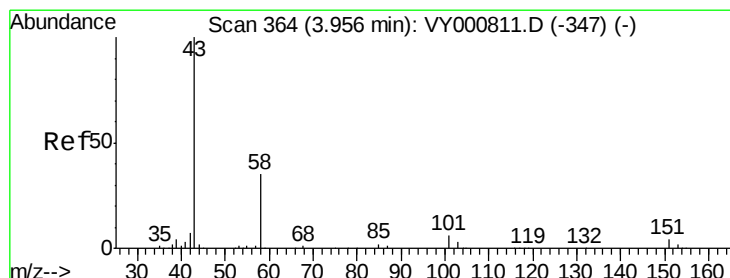
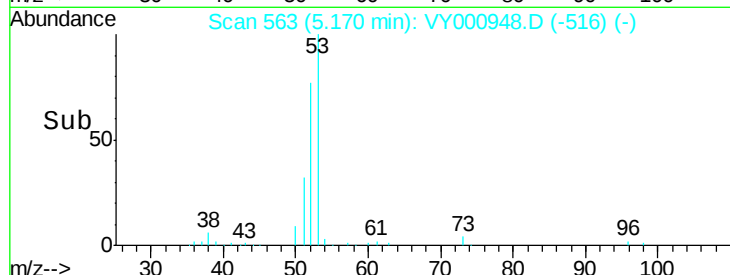
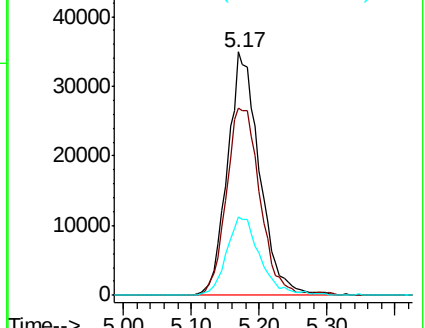
51 33.8 29.0 43.4



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 104.013 ug/l

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VY000948.D

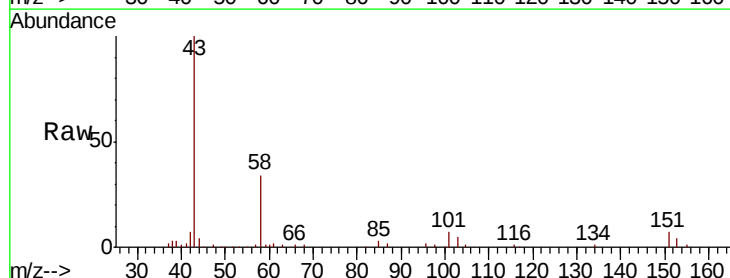
Acq: 16 Dec 2019 12:14

Tgt Ion: 43 Resp: 75952

Ion Ratio Lower Upper

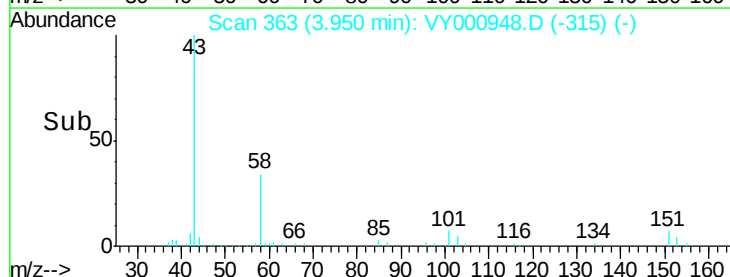
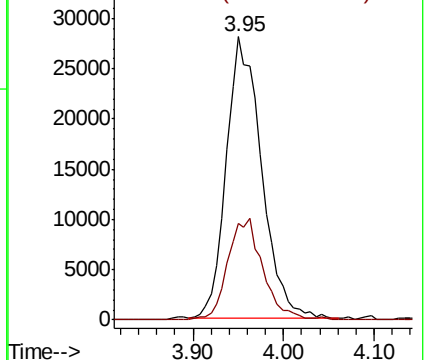
43 100

58 34.1 28.0 42.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 19.746 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

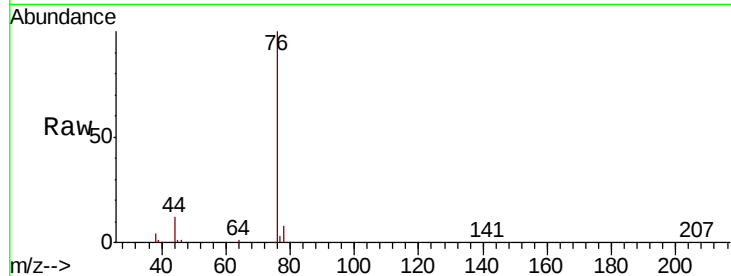
VY1216SBS01

Tgt Ion: 76 Resp: 209768

Ion Ratio Lower Upper

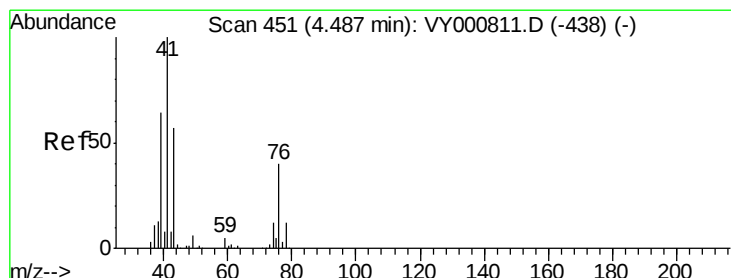
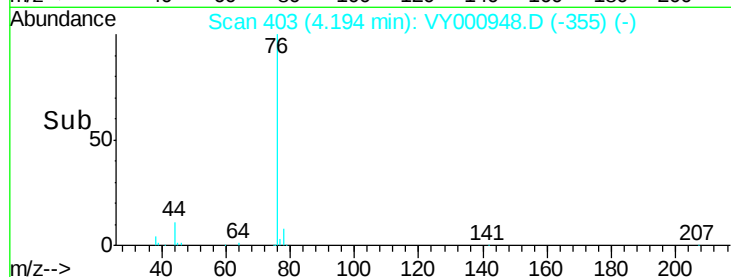
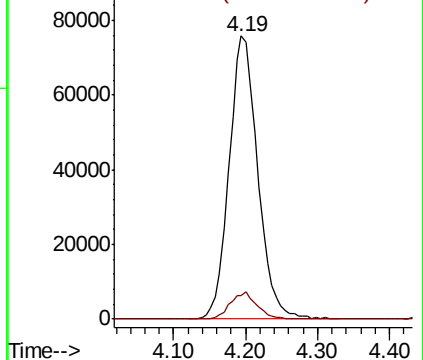
76 100

78 8.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 19.758 ug/l

RT: 4.48 min Scan# 450

Delta R.T. -0.01 min

Lab File: VY000948.D

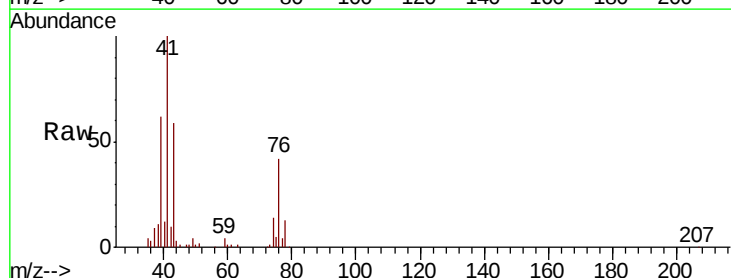
Acq: 16 Dec 2019 12:14

Tgt Ion: 43 Resp: 60326

Ion Ratio Lower Upper

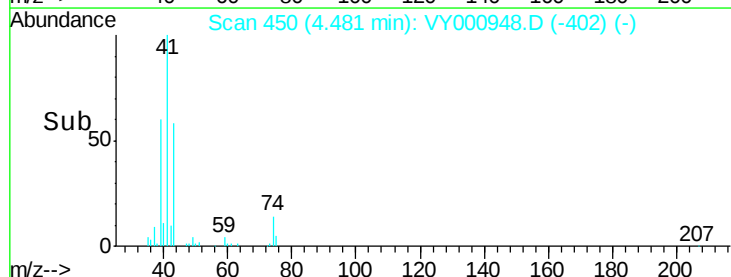
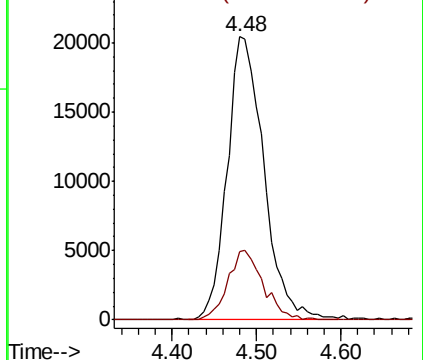
43 100

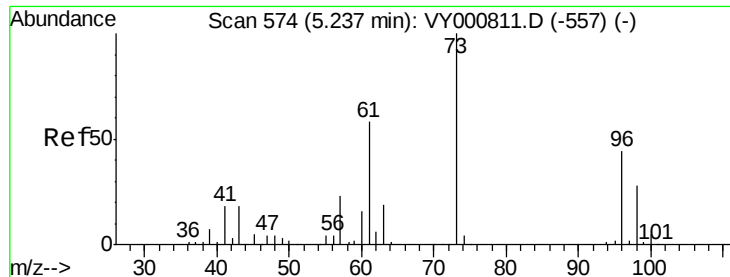
74 23.8 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

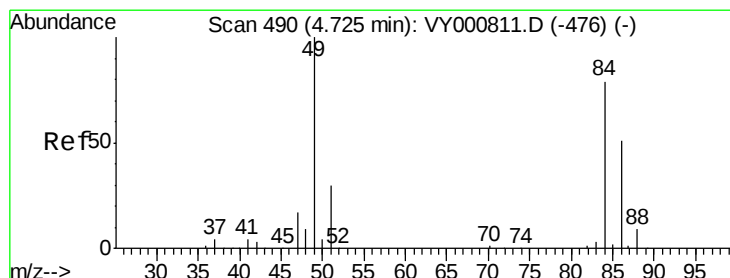
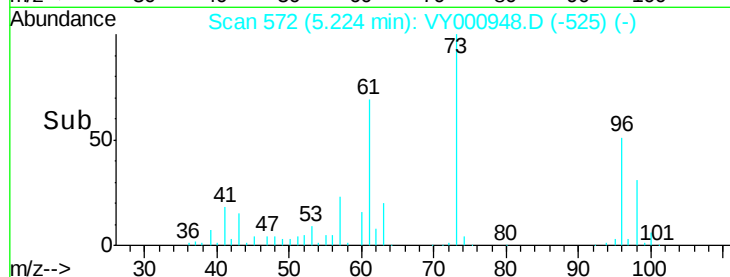
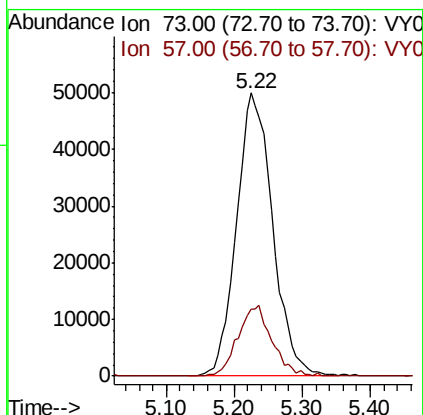
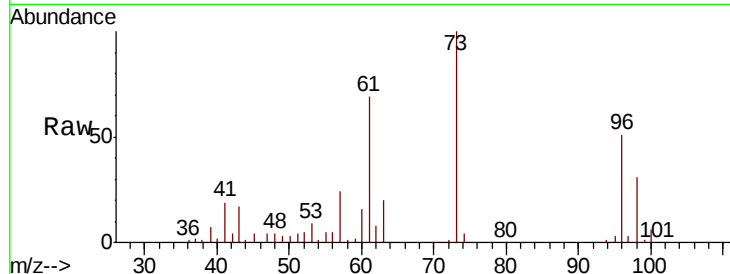




#19
Methyl tert-butyl Ether
Concen: 21.014 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

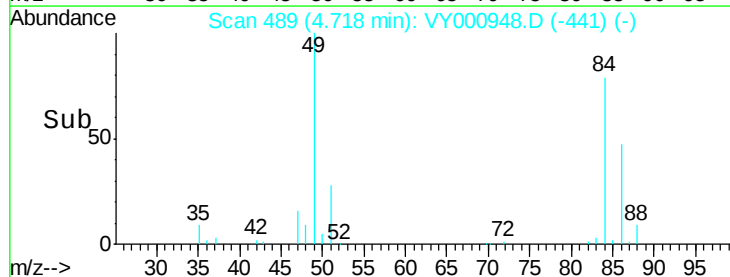
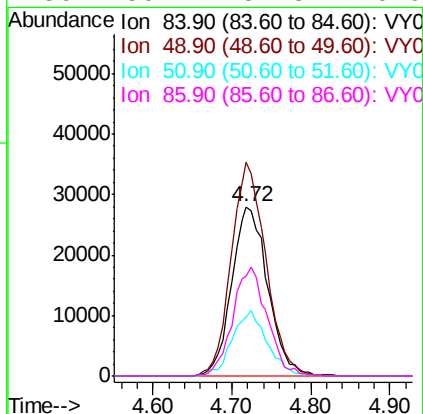
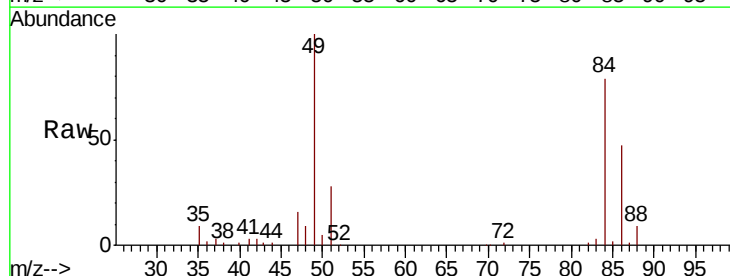
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

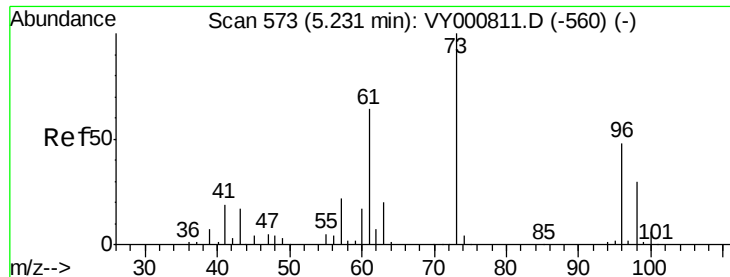
Tgt Ion: 73 Resp: 184334
Ion Ratio Lower Upper
73 100
57 23.8 18.2 27.4



#20
Methylene Chloride
Concen: 23.099 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 84 Resp: 88911
Ion Ratio Lower Upper
84 100
49 126.4 101.3 151.9
51 34.9 30.6 45.8
86 59.1 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 21.297 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

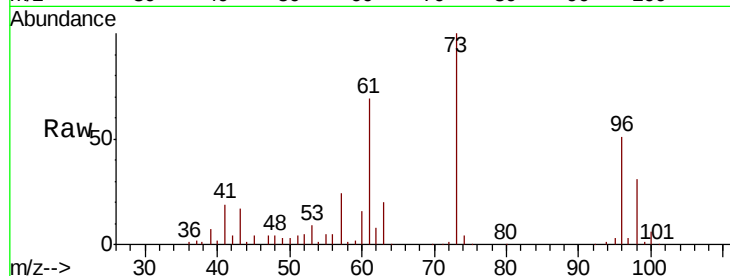
Tgt Ion: 96 Resp: 79510

Ion Ratio Lower Upper

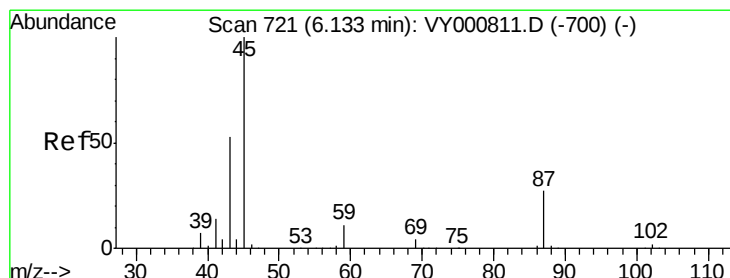
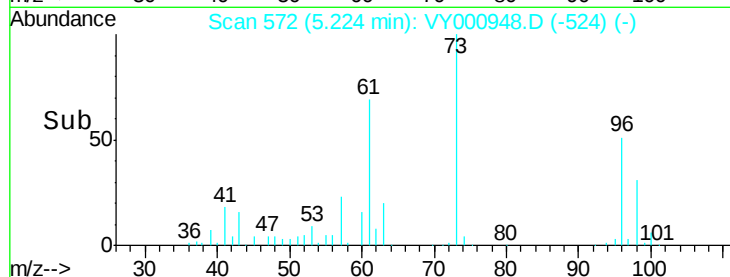
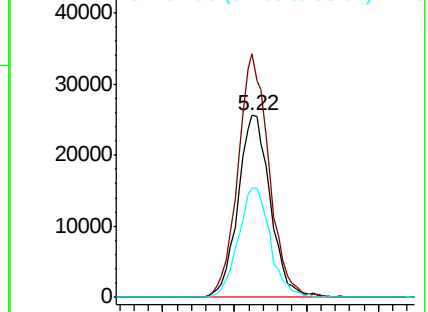
96 100

61 134.1 105.9 158.9

98 60.5 49.4 74.2



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



#22

Diisopropyl ether

Concen: 20.466 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Tgt Ion: 45 Resp: 236903

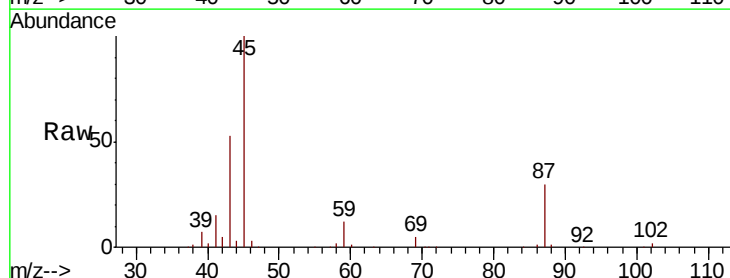
Ion Ratio Lower Upper

45 100

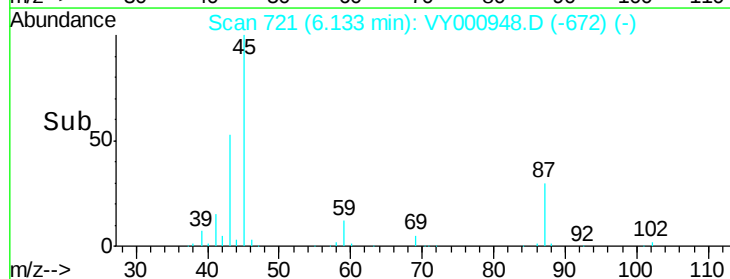
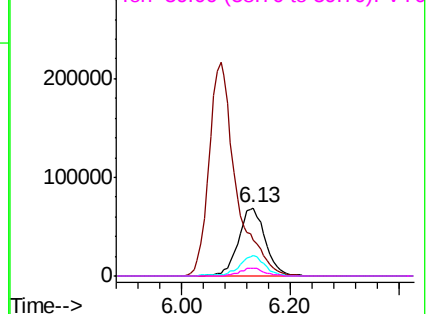
43 52.9 42.7 64.1

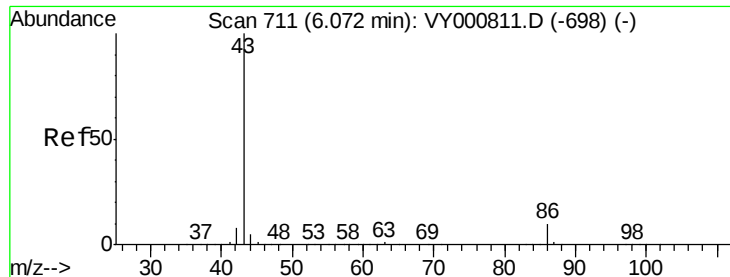
87 30.4 22.0 33.0

59 12.2 8.9 13.3



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





#23

Vinyl Acetate

Concen: 105.224 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

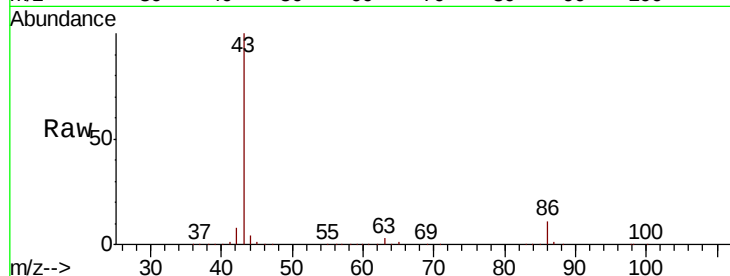
VY1216SBS01

Tgt Ion: 43 Resp: 740479

Ion Ratio Lower Upper

43 100

86 11.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

250000

200000

150000

100000

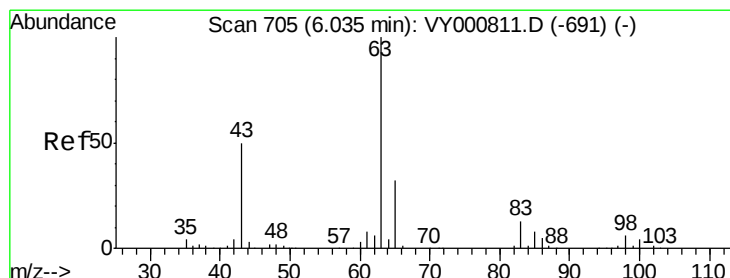
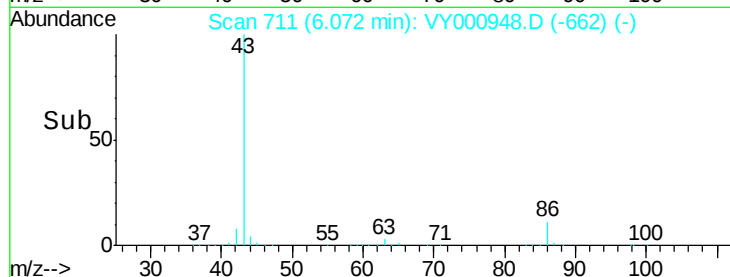
50000

0

6.07

6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 20.652 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

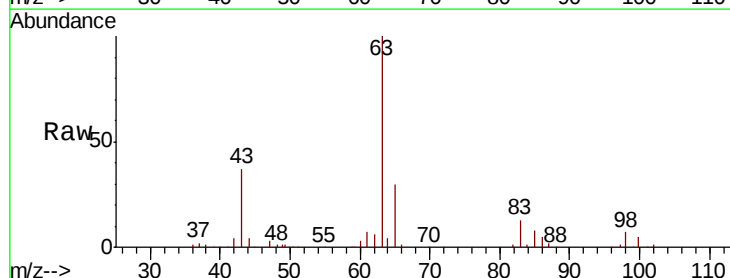
Tgt Ion: 63 Resp: 131759

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

50000

40000

30000

20000

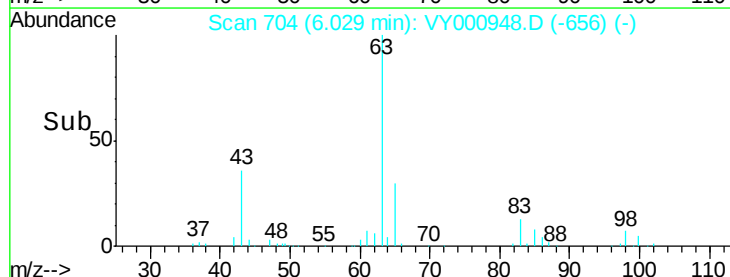
10000

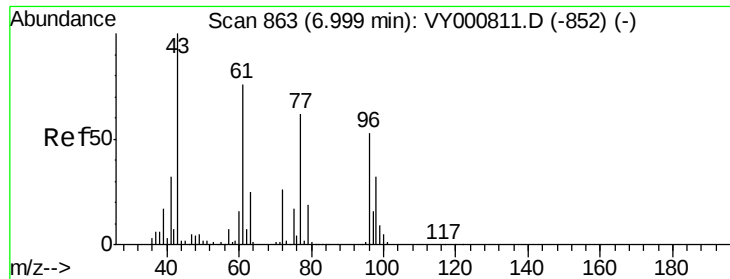
0

6.03

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 102.505 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

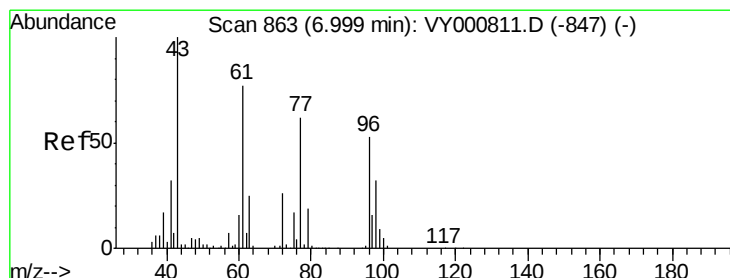
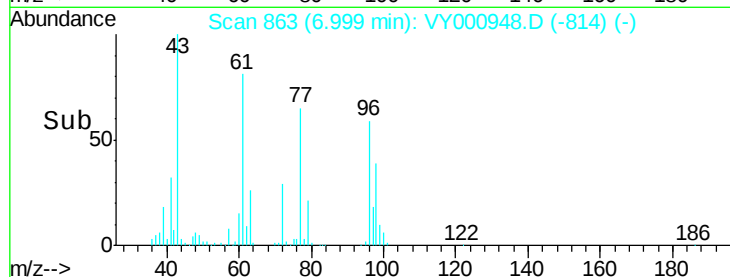
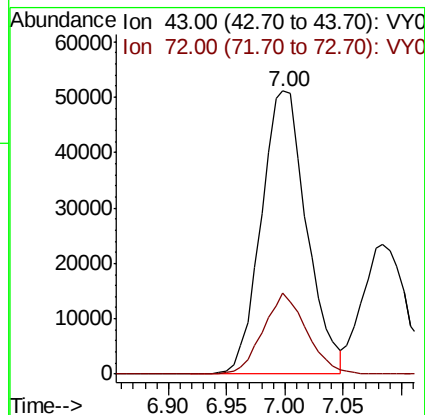
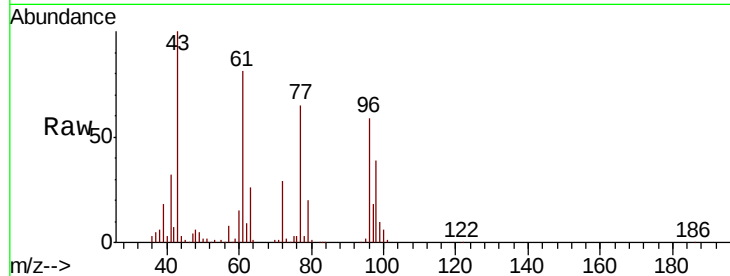
VY1216SBS01

Tgt Ion: 43 Resp: 138270

Ion Ratio Lower Upper

43 100

72 28.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 20.046 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000948.D

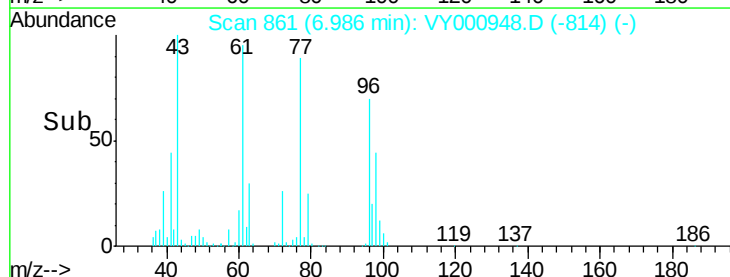
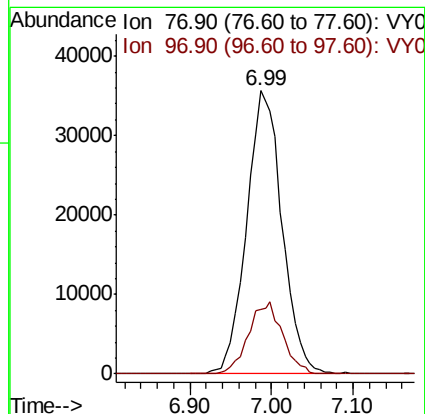
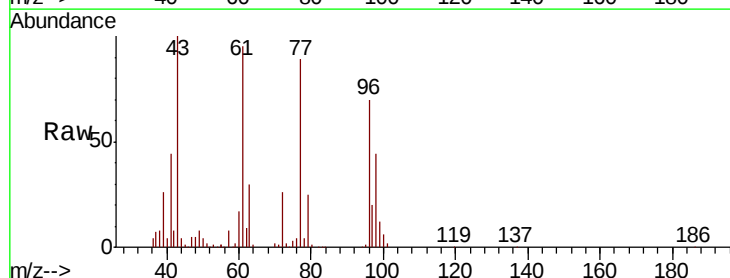
Acq: 16 Dec 2019 12:14

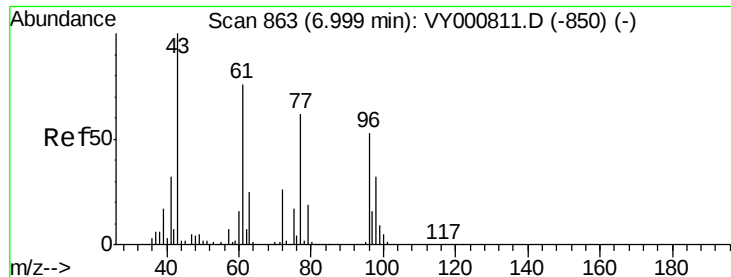
Tgt Ion: 77 Resp: 107642

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9



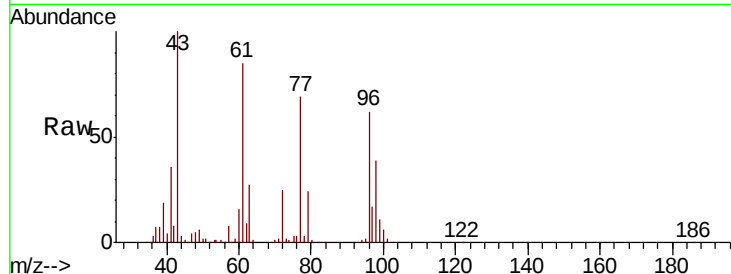


#27

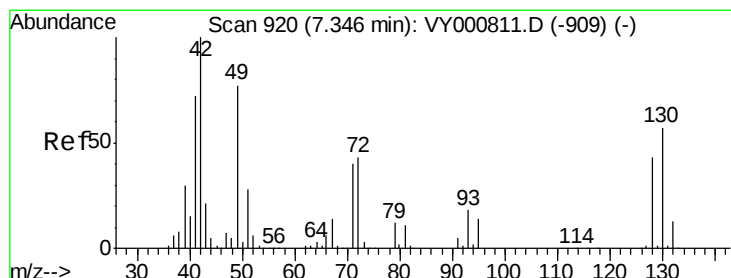
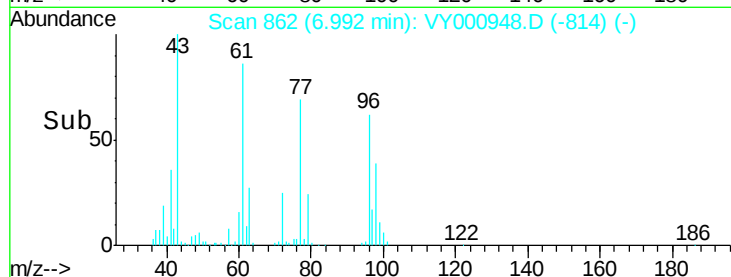
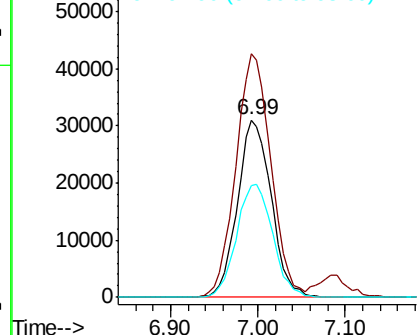
cis-1,2-Dichloroethene
Concen: 20.592 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion: 96 Resp: 83099
Ion Ratio Lower Upper
96 100
61 142.4 0.0 285.0
98 68.0 0.0 128.0



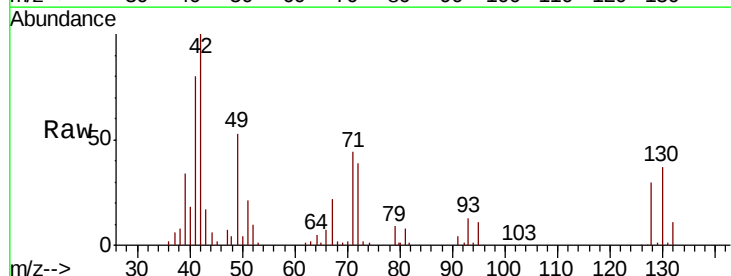
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



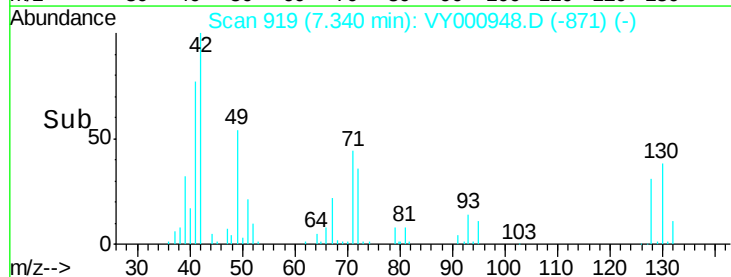
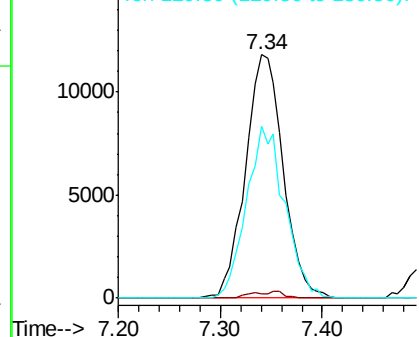
#28

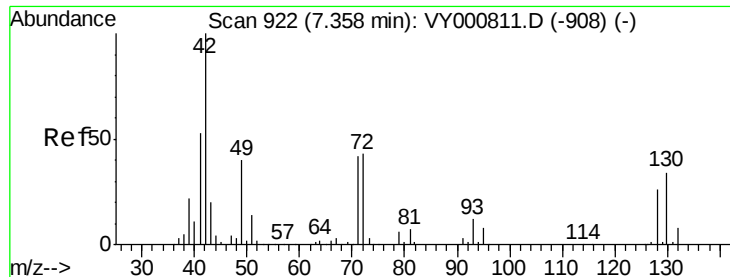
Bromochloromethane
Concen: 14.467 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 49 Resp: 30351
Ion Ratio Lower Upper
49 100
129 0.9 0.0 3.8
130 71.6 58.7 88.1



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





#29

Tetrahydrofuran

Concen: 109.350 ug/l

RT: 7.36 min Scan# 922

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

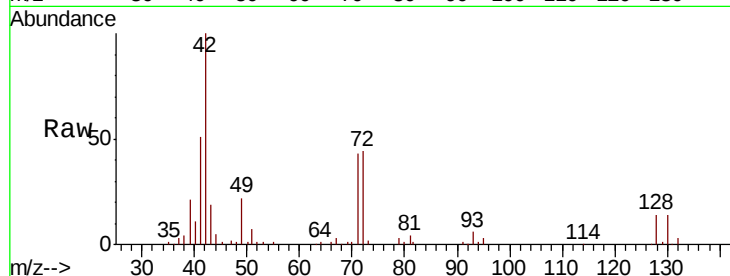
Tgt Ion: 42 Resp: 97743

Ion Ratio Lower Upper

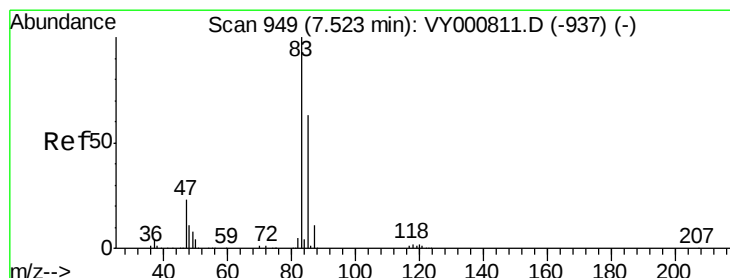
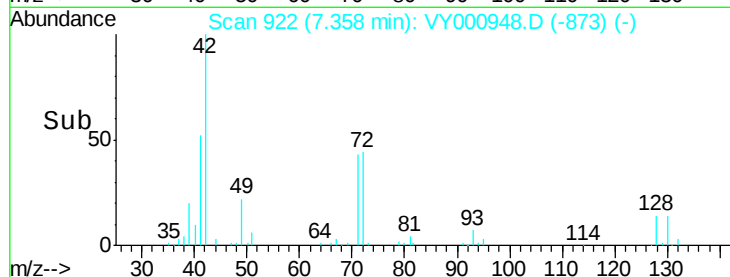
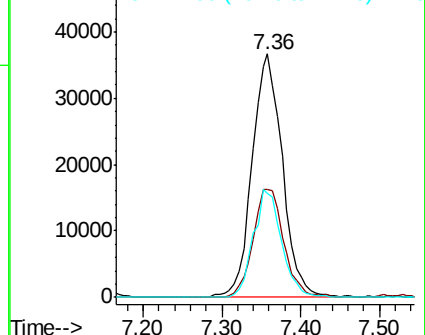
42 100

72 44.8 35.1 52.7

71 41.3 32.8 49.2



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



#30

Chloroform

Concen: 19.317 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY000948.D

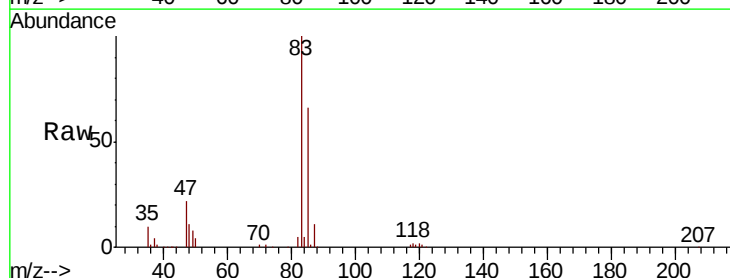
Acq: 16 Dec 2019 12:14

Tgt Ion: 83 Resp: 123634

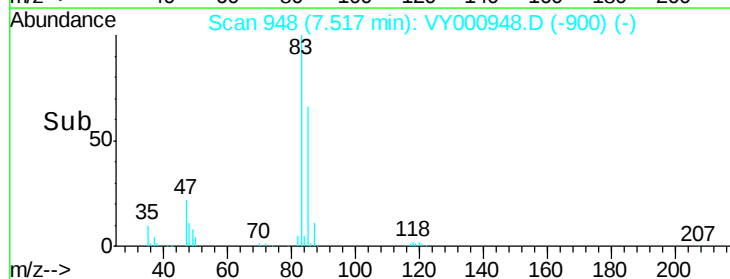
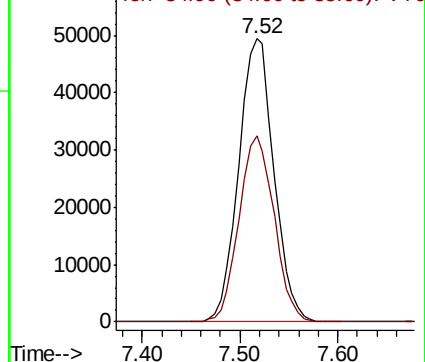
Ion Ratio Lower Upper

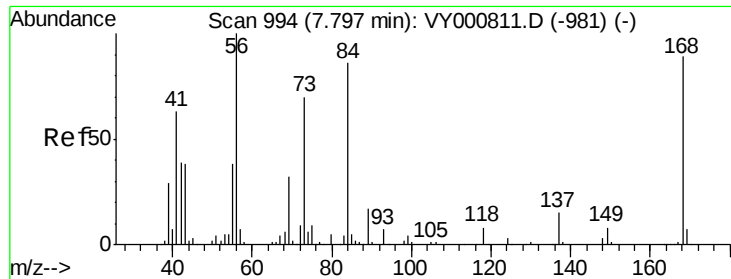
83 100

85 65.8 50.4 75.6



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

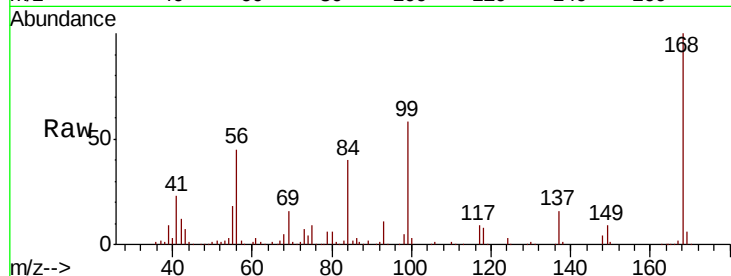




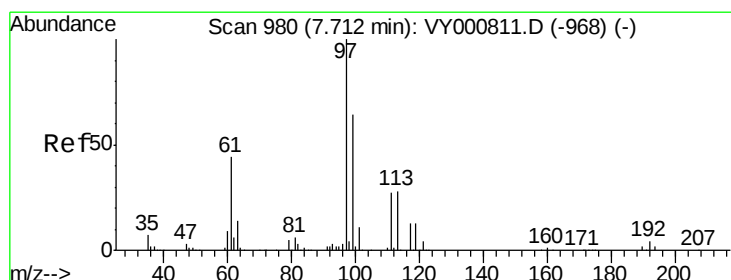
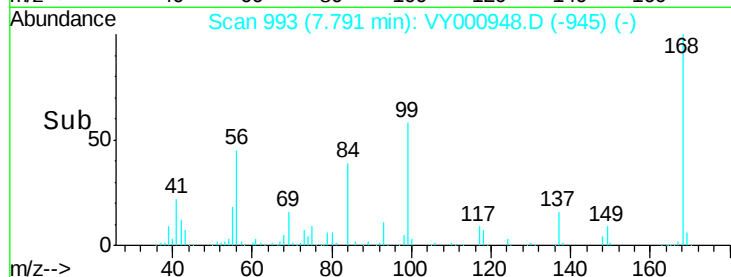
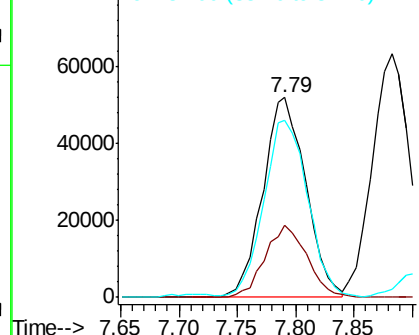
#31
Cyclohexane
Concen: 19.643 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion: 56 Resp: 132759
Ion Ratio Lower Upper
56 100
69 35.8 25.9 38.9
84 87.0 68.6 102.8

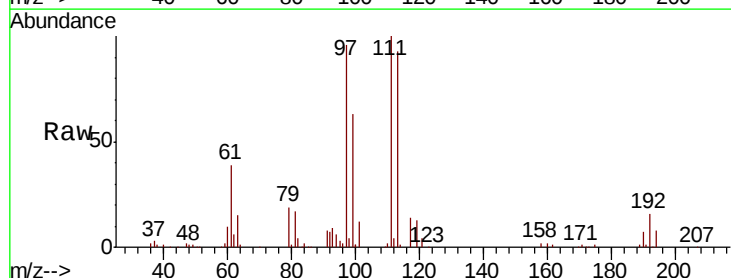


Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0

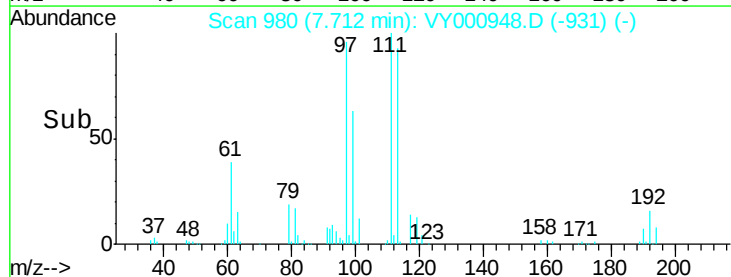
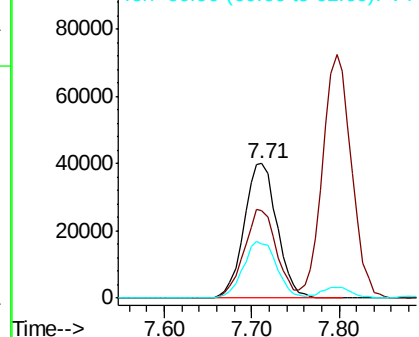


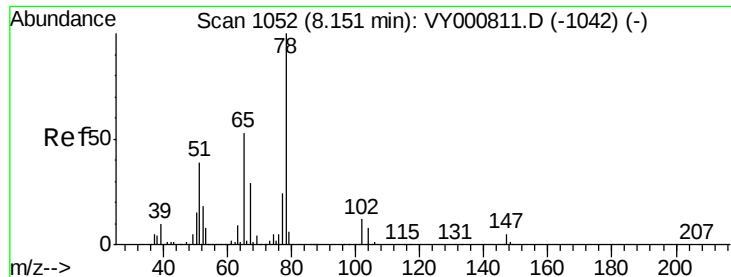
#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 97 Resp: 104245
Ion Ratio Lower Upper
97 100
99 65.5 51.7 77.5
61 42.9 35.0 52.6



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: 49.508 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

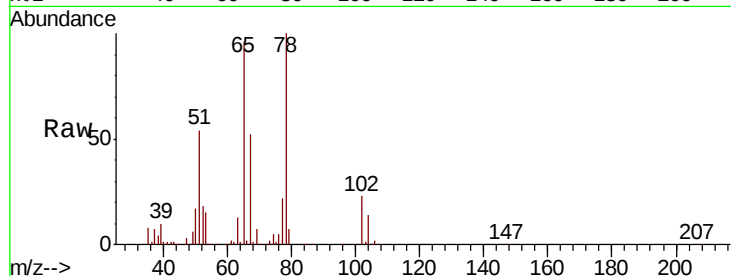
VY1216SBS01

Tgt Ion: 65 Resp: 157594

Ion Ratio Lower Upper

65 100

67 56.0 0.0 112.0



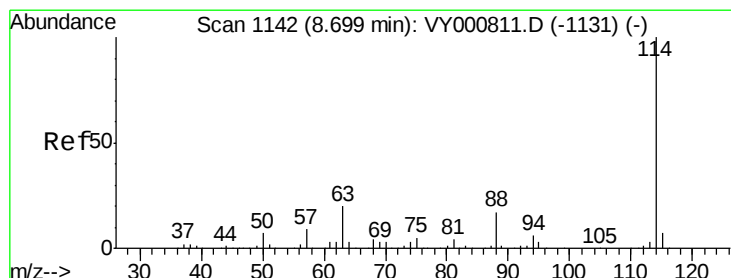
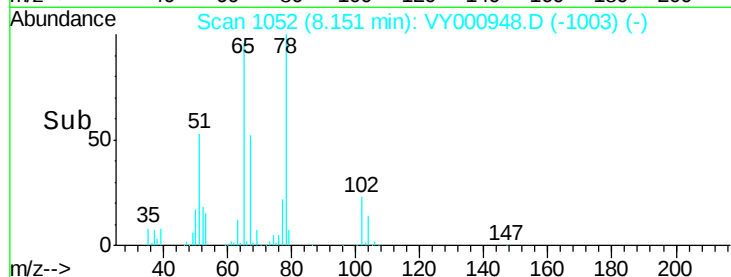
Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0

8.15

8.05 8.10 8.15 8.20 8.25

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

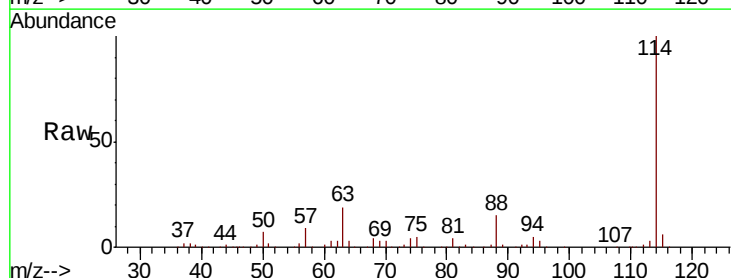
Tgt Ion: 114 Resp: 519520

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

88 15.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

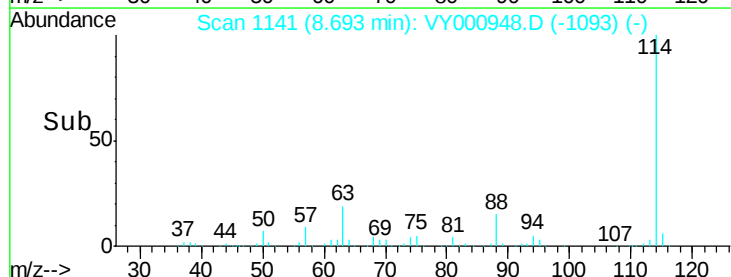
Ion 63.00 (62.70 to 63.70): VY0

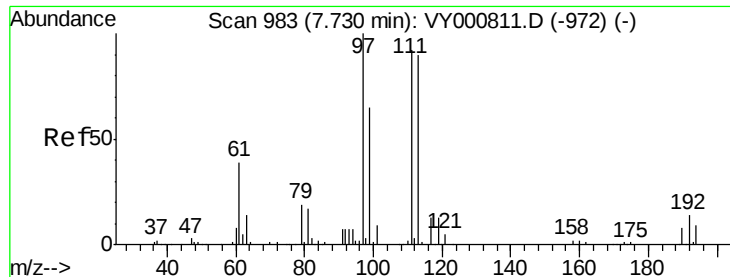
Ion 87.90 (87.60 to 88.60): VY0

8.69

8.60 8.70 8.80

Time-->

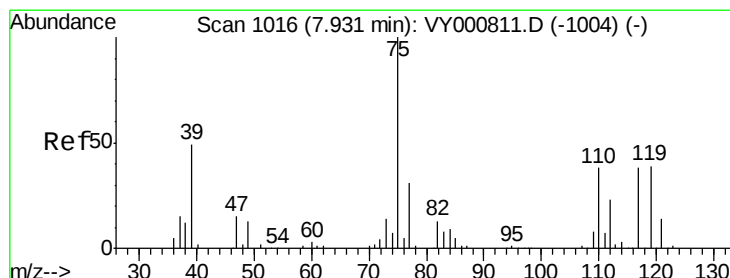
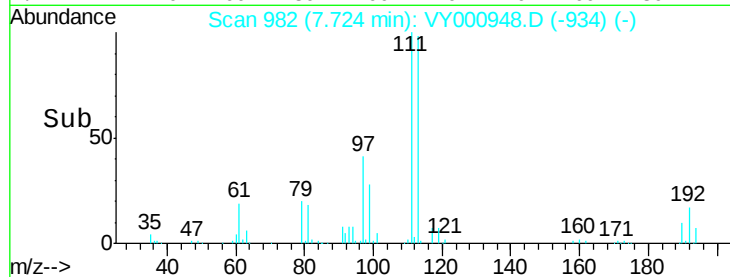
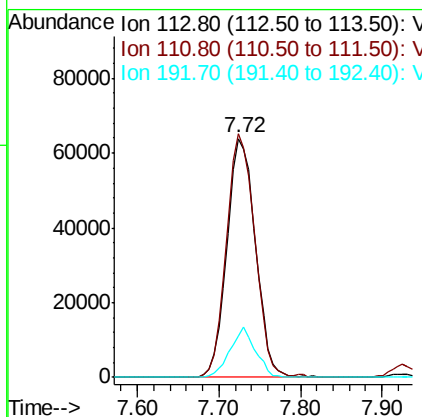
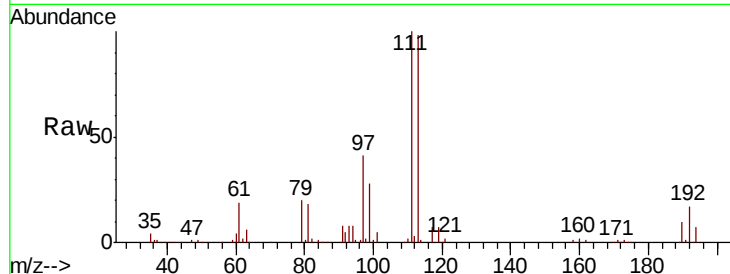




#35
 Dibromofluoromethane
 Concen: 50.943 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

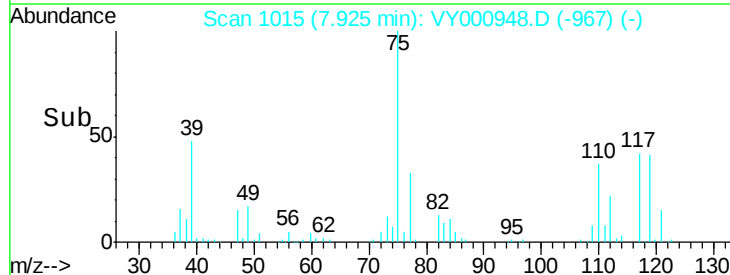
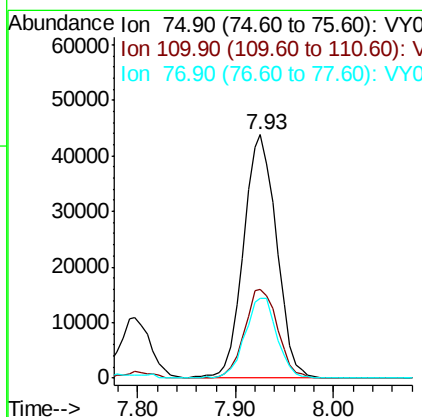
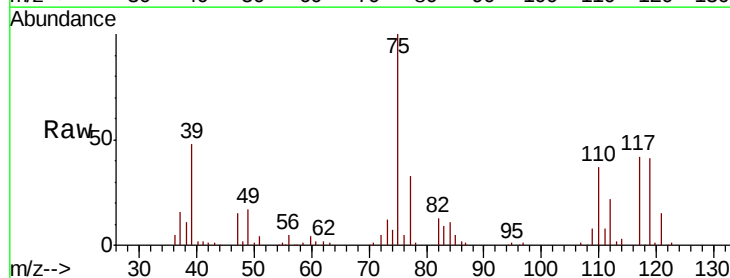
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

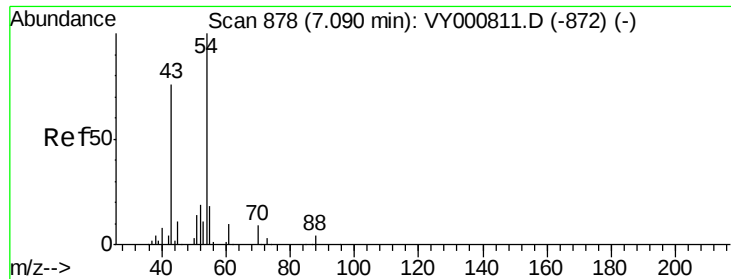
Tgt Ion: 113 Resp: 154243
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 18.7 14.2 21.2



#36
 1,1-Dichloropropene
 Concen: 19.899 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 75 Resp: 102788
 Ion Ratio Lower Upper
 75 100
 110 36.5 17.9 53.7
 77 32.0 24.7 37.1

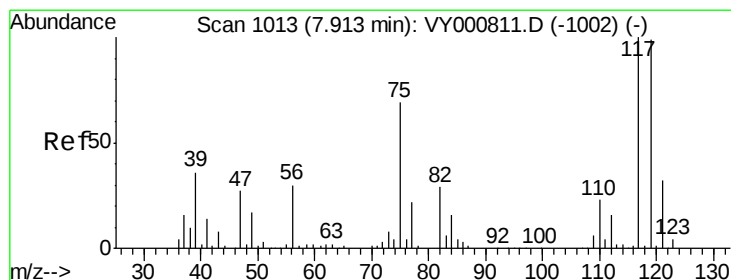
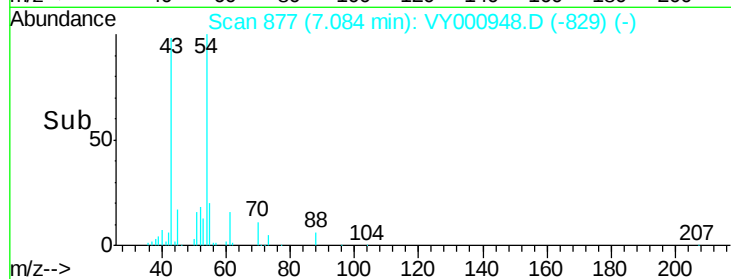
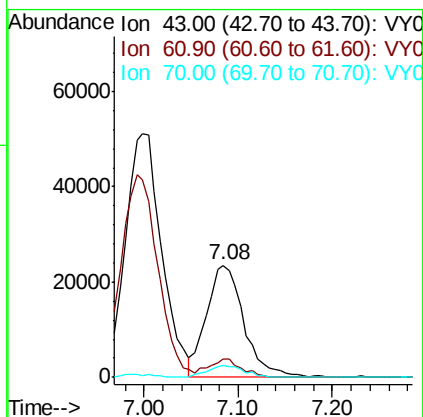
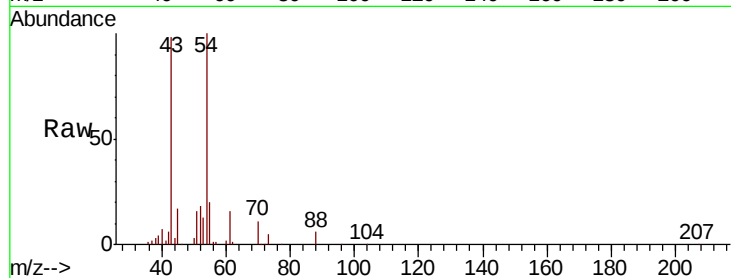




#37
Ethyl Acetate
Concen: 21.802 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

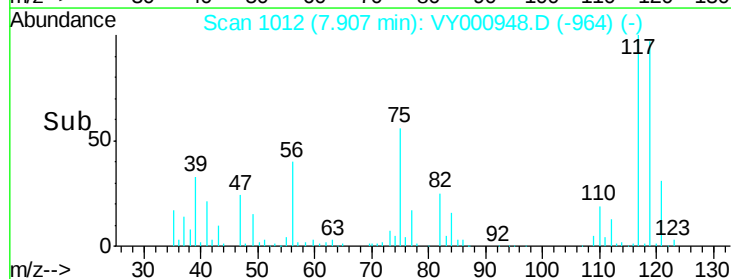
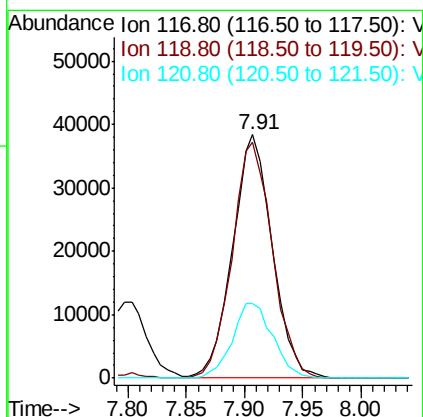
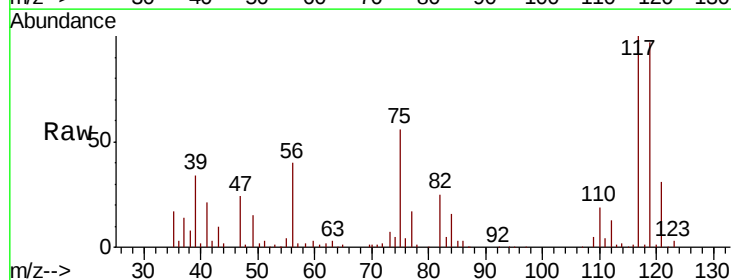
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

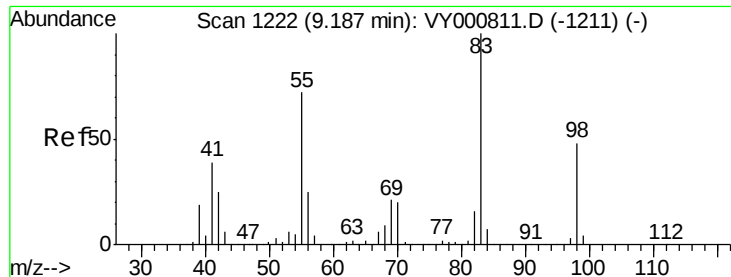
Tgt Ion: 43 Resp: 65029
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 10.6 8.7 13.1



#38
Carbon Tetrachloride
Concen: 19.788 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 117 Resp: 91029
Ion Ratio Lower Upper
117 100
119 96.7 79.3 118.9
121 30.9 25.5 38.3

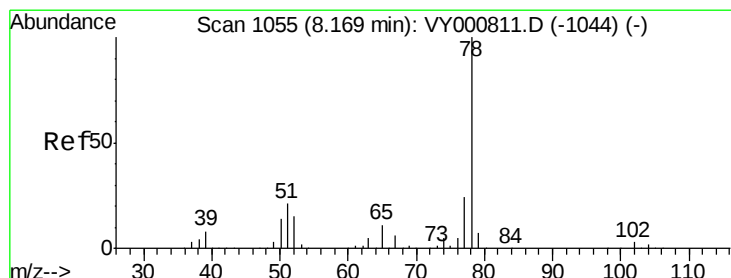
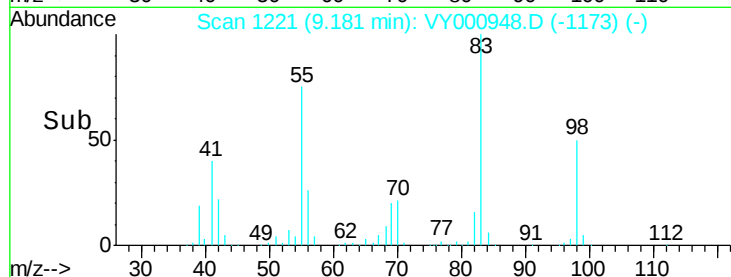
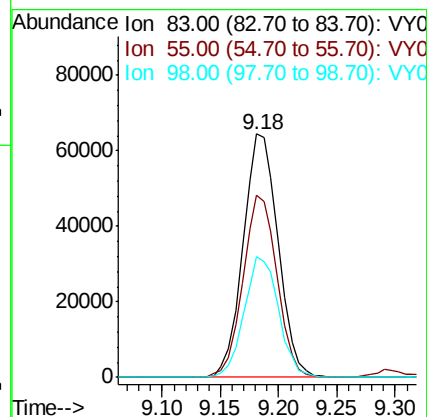
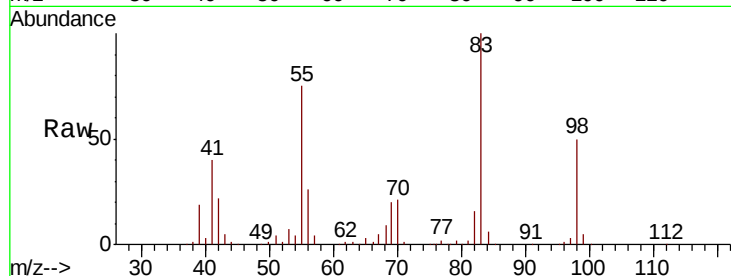




#39
Methylcyclohexane
Concen: 19.716 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

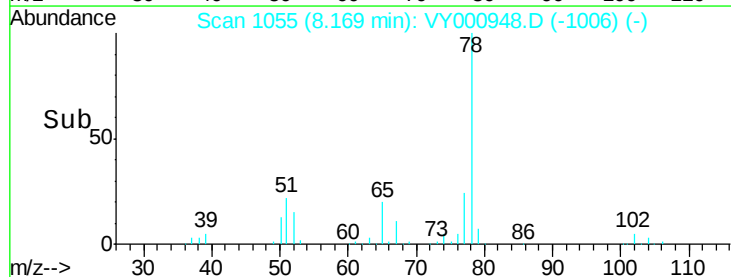
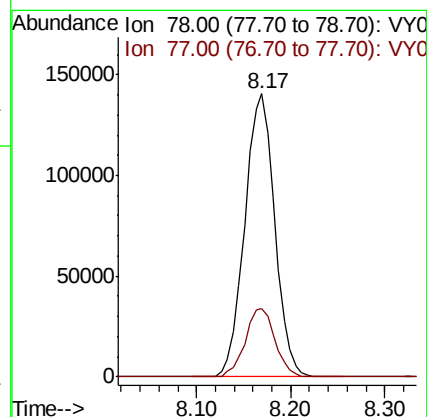
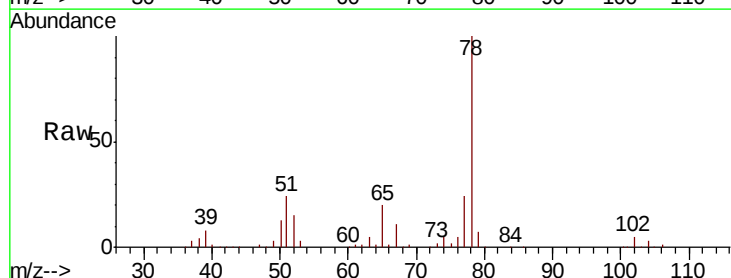
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

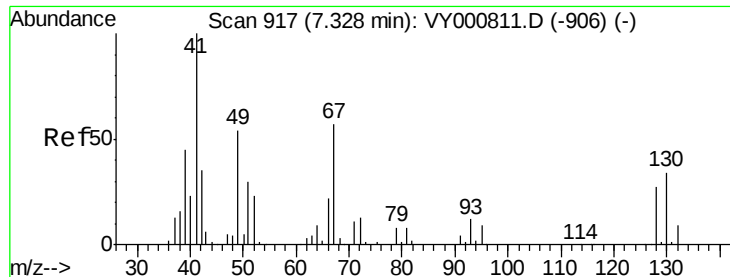
Tgt Ion: 83 Resp: 134934
Ion Ratio Lower Upper
83 100
55 74.8 57.8 86.6
98 49.5 38.6 58.0



#40
Benzene
Concen: 20.766 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 78 Resp: 312460
Ion Ratio Lower Upper
78 100
77 24.2 19.2 28.8

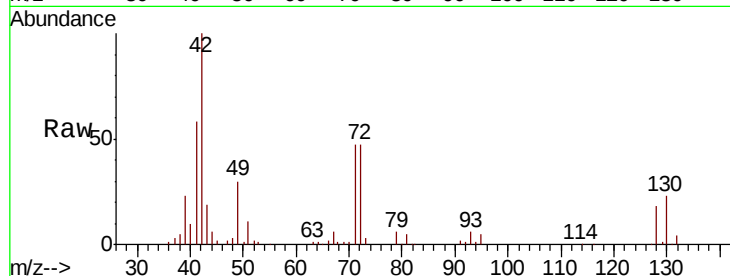




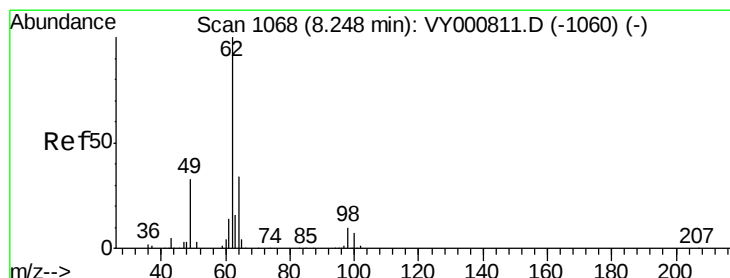
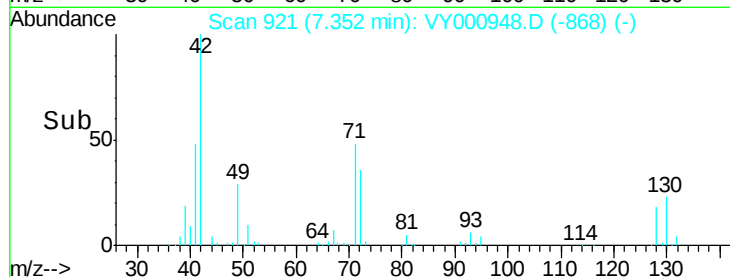
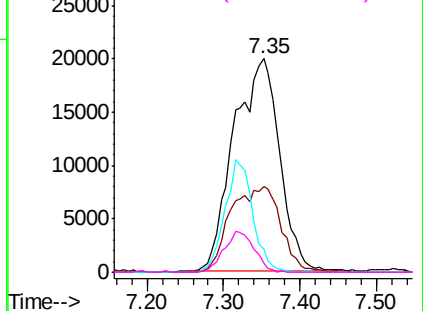
#41
Methacrylonitrile
Concen: 52.767 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.02 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion: 41 Resp: 82951
Ion Ratio Lower Upper
41 100
39 44.1 95.7 143.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

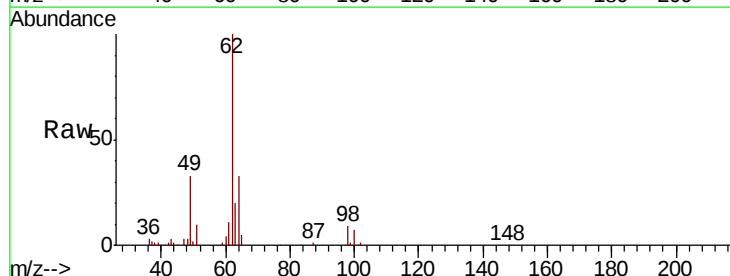


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

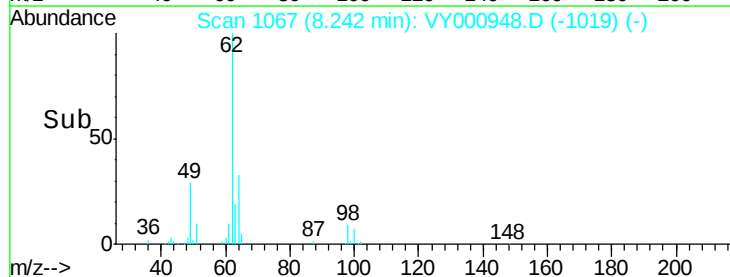
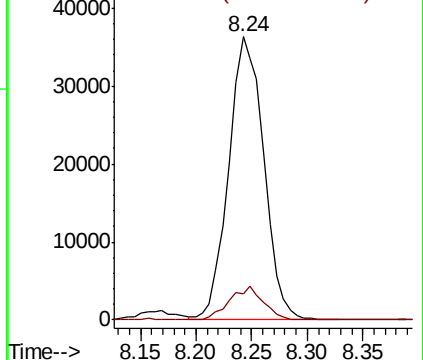


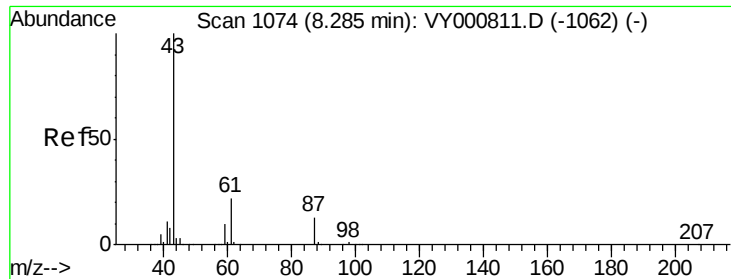
#42
1,2-Dichloroethane
Concen: 20.061 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 62 Resp: 79381
Ion Ratio Lower Upper
62 100
98 11.3 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 97.90 (97.60 to 98.60): VY0

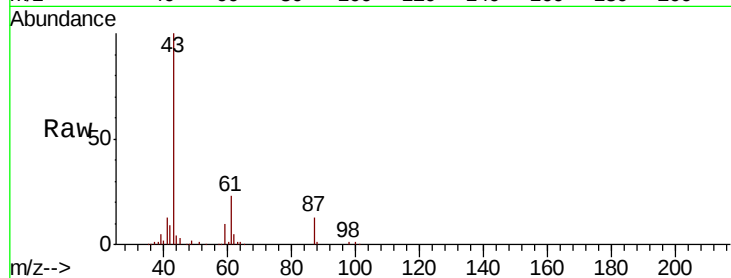




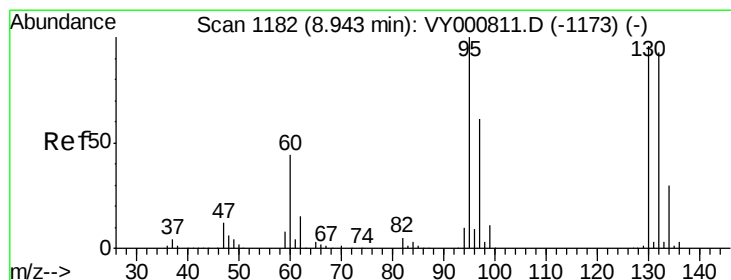
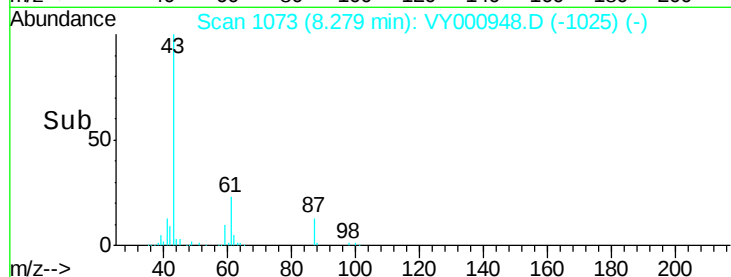
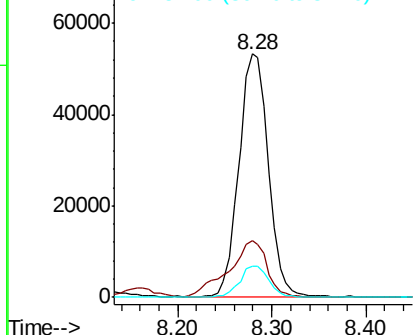
#43
Isopropyl Acetate
Concen: 20.746 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion: 43 Resp: 116610
Ion Ratio Lower Upper
43 100
61 30.1 23.7 35.5
87 12.9 10.6 15.8

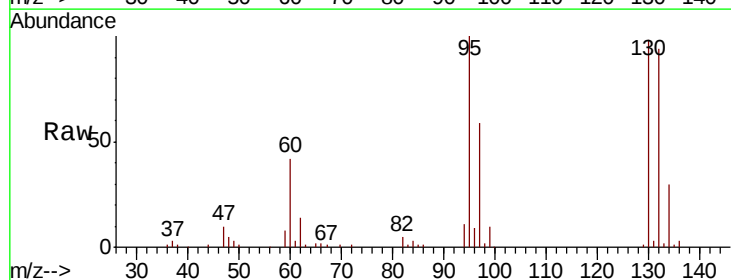


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

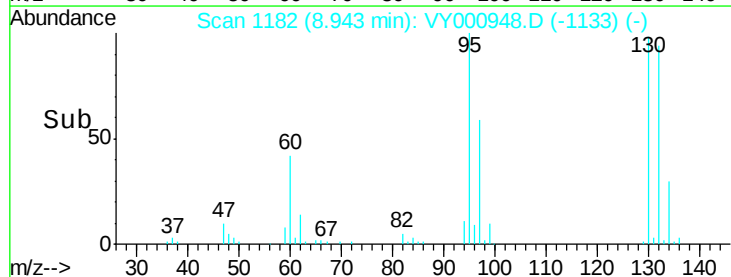
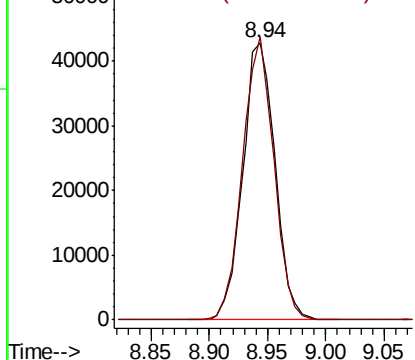


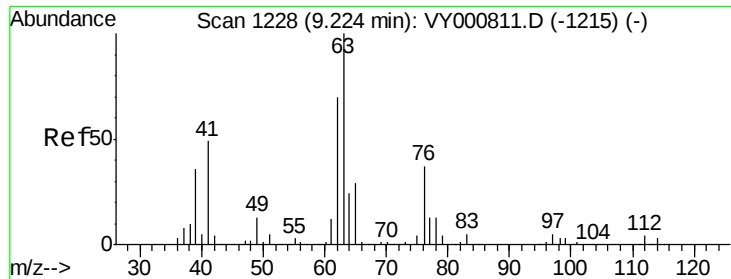
#44
Trichloroethene
Concen: 21.480 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 130 Resp: 83063
Ion Ratio Lower Upper
130 100
95 102.1 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0

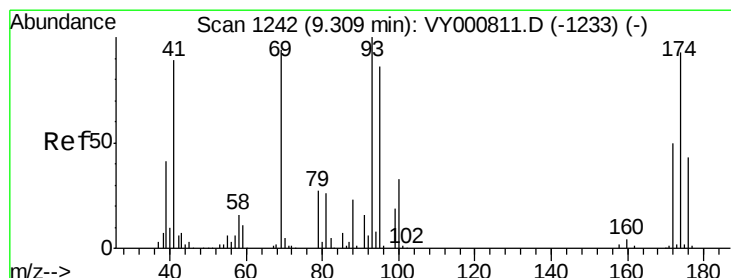
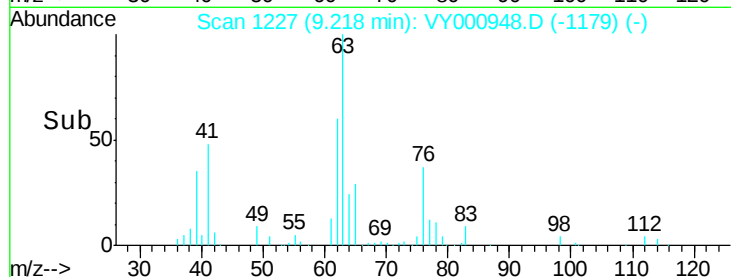
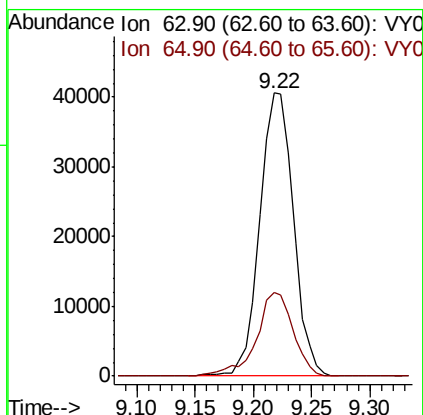
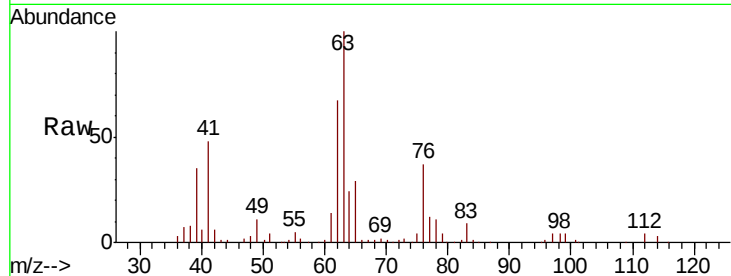




#45
 1,2-Dichloropropane
 Concen: 21.507 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

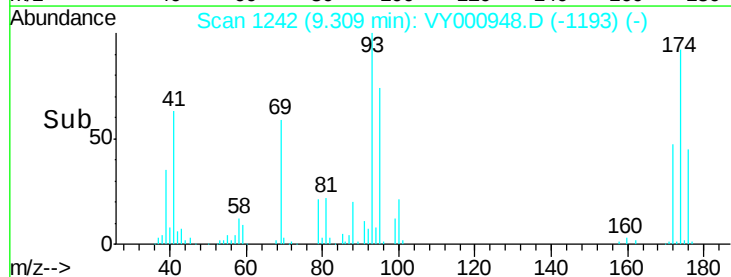
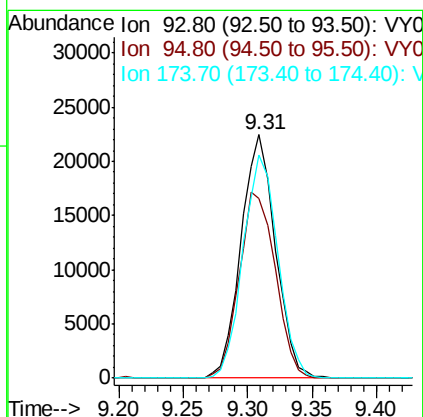
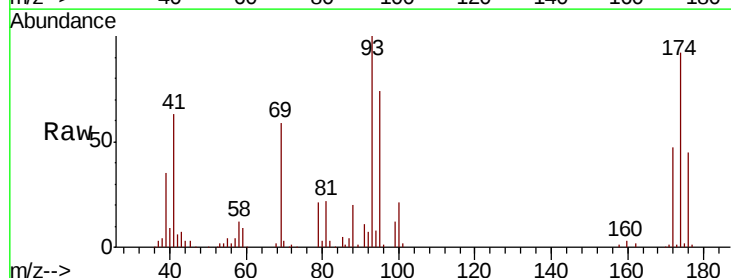
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

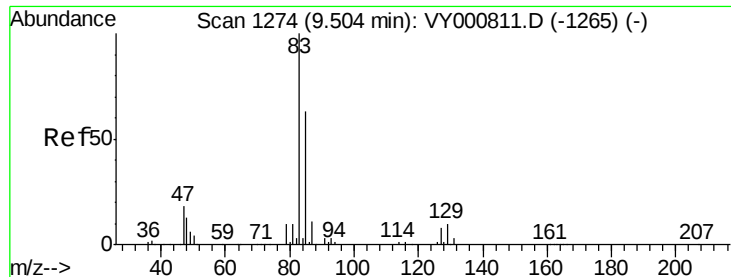
Tgt Ion: 63 Resp: 81285
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.2 34.8



#46
 Dibromomethane
 Concen: 20.996 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 93 Resp: 41462
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.4 99.6
 174 92.4 73.0 109.6

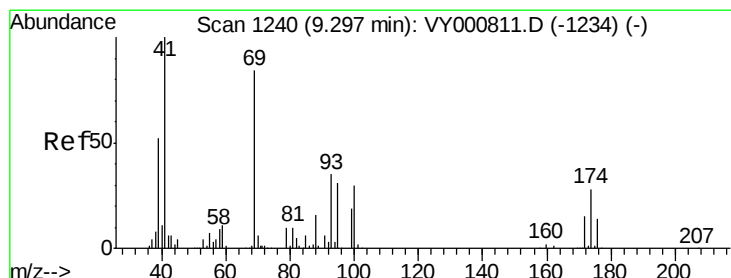
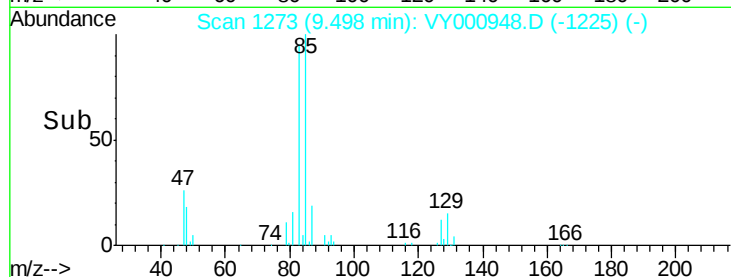
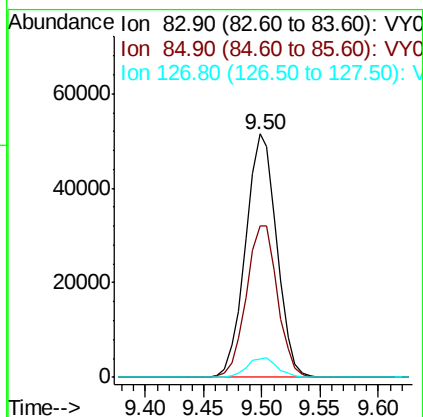
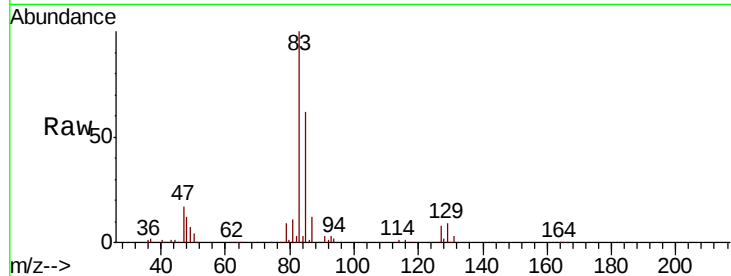




#47
 Bromodichloromethane
 Concen: 20.711 ug/l
 RT: 9.50 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

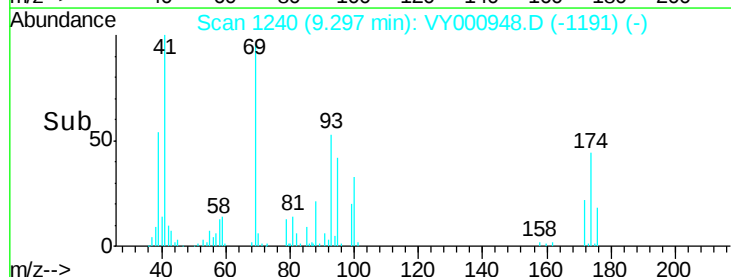
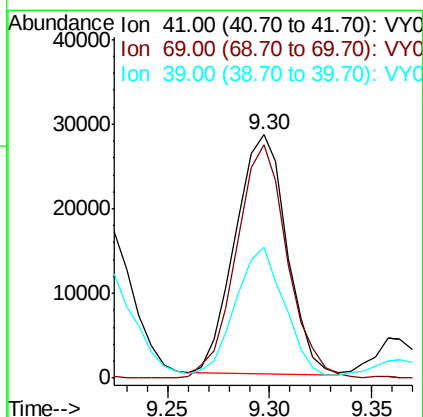
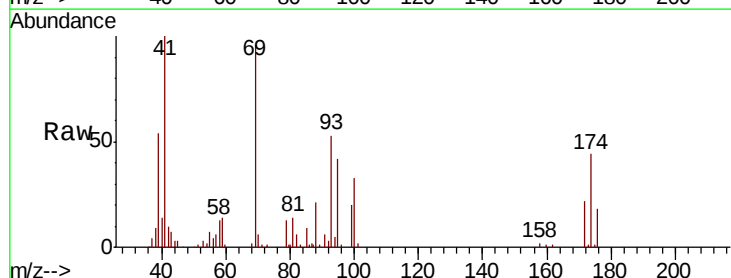
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

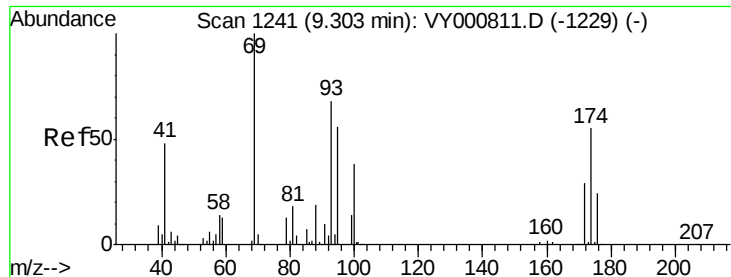
Tgt Ion: 83 Resp: 96078
 Ion Ratio Lower Upper
 83 100
 85 62.4 50.8 76.2
 127 7.7 6.6 10.0



#48
 Methyl methacrylate
 Concen: 20.093 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 41 Resp: 49664
 Ion Ratio Lower Upper
 41 100
 69 96.6 70.4 105.6
 39 52.5 40.9 61.3





#49

1,4-Dioxane

Concen: 459.432 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

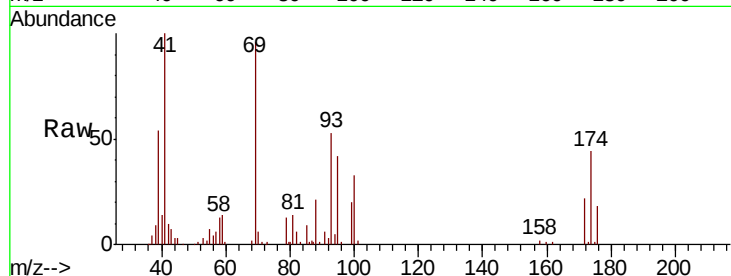
Tgt Ion: 88 Resp: 12855

Ion Ratio Lower Upper

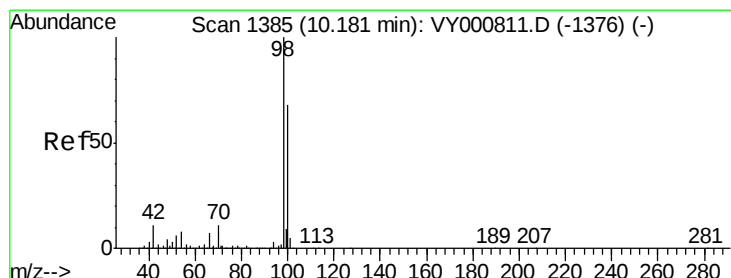
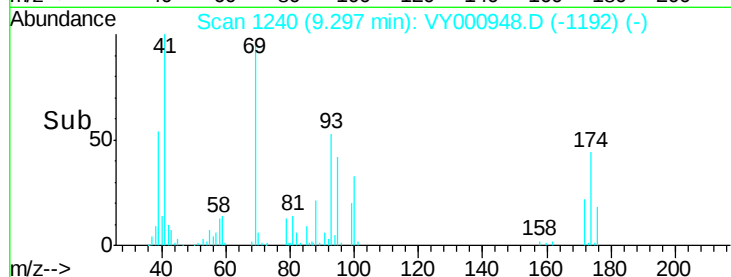
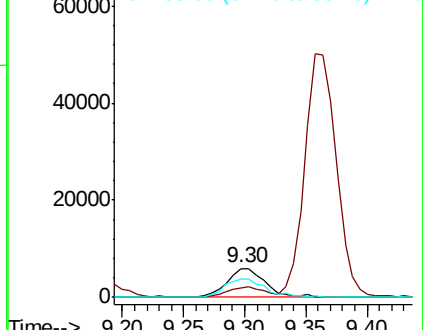
88 100

43 36.4 21.1 31.7#

58 71.5 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0



#50

Toluene-d8

Concen: 51.973 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VY000948.D

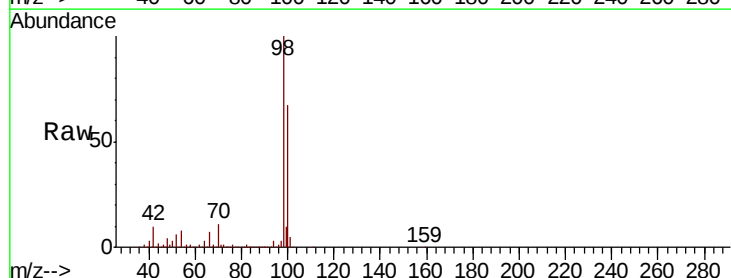
Acq: 16 Dec 2019 12:14

Tgt Ion: 98 Resp: 629130

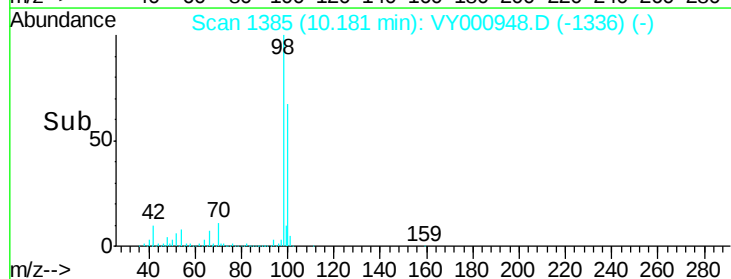
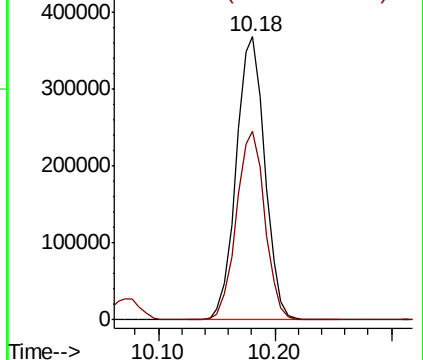
Ion Ratio Lower Upper

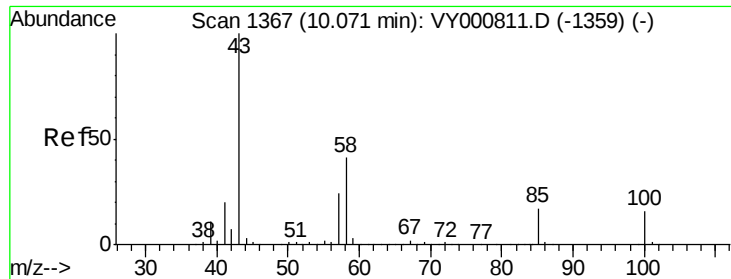
98 100

100 66.3 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 107.003 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

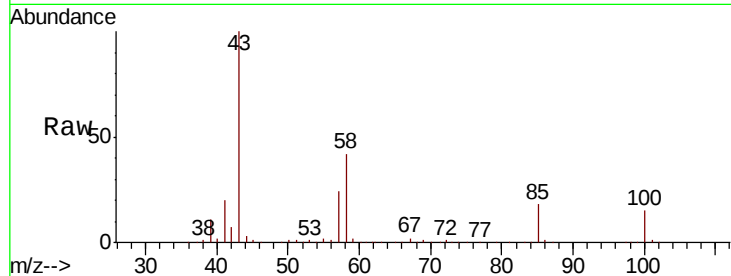
VY1216SBS01

Tgt Ion: 43 Resp: 310751

Ion Ratio Lower Upper

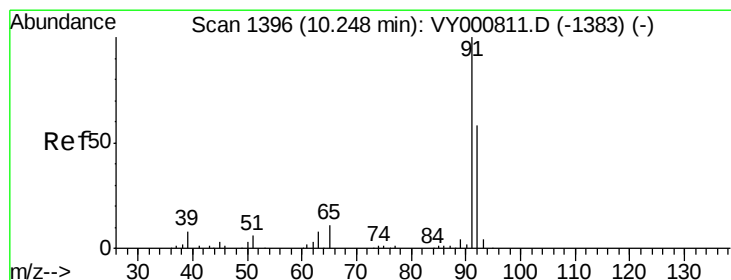
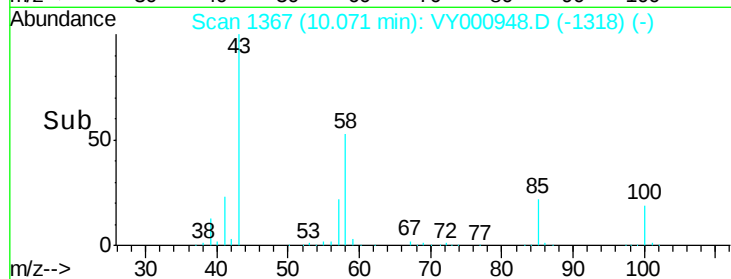
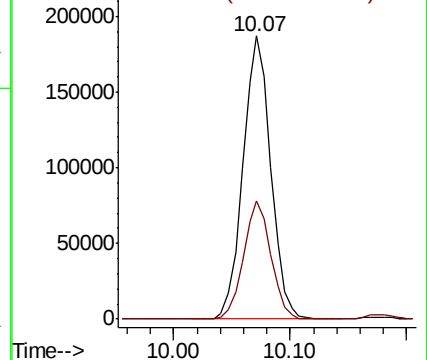
43 100

58 41.0 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.607 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000948.D

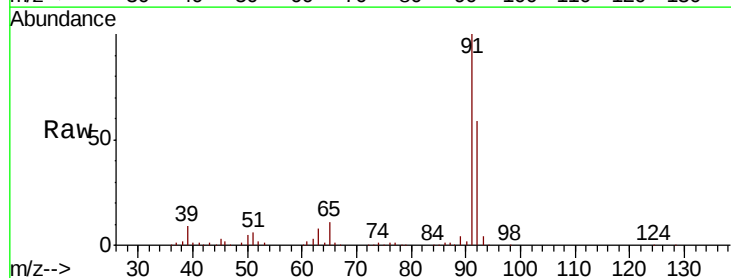
Acq: 16 Dec 2019 12:14

Tgt Ion: 92 Resp: 191981

Ion Ratio Lower Upper

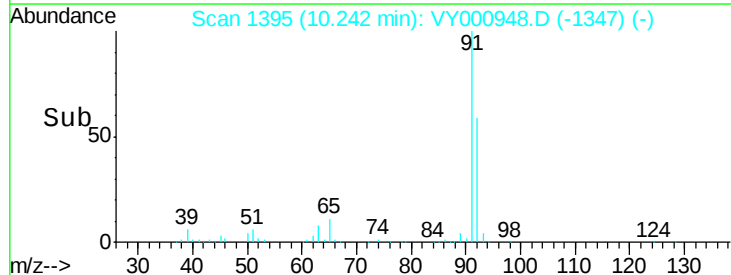
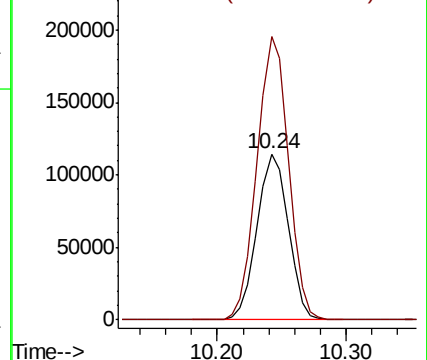
92 100

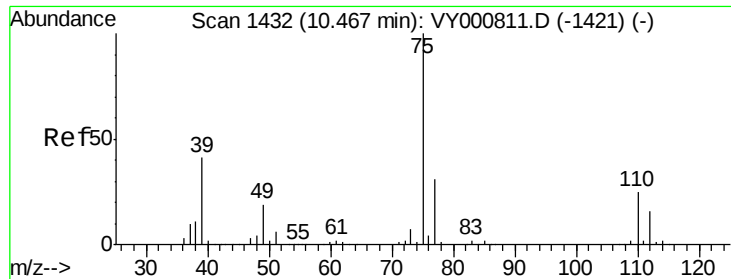
91 171.7 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

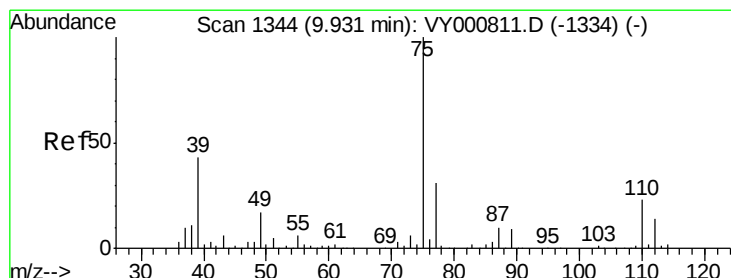
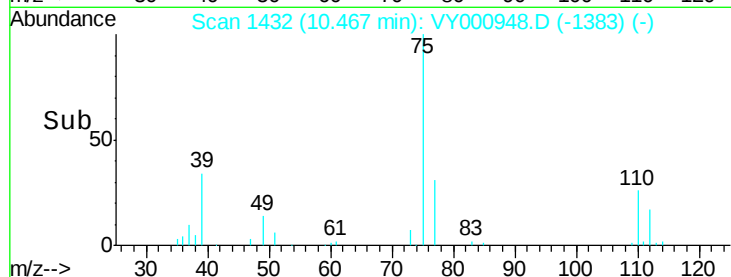
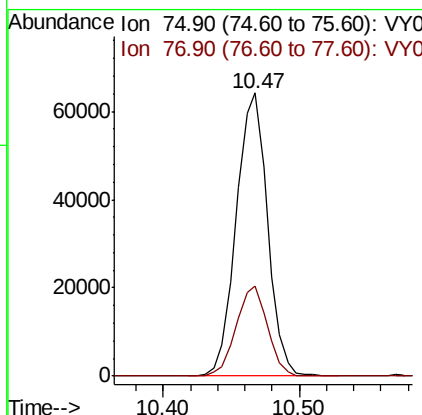
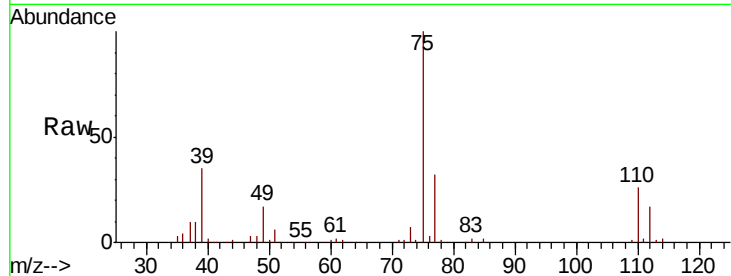




#53
t-1,3-Dichloropropene
Concen: 20.618 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

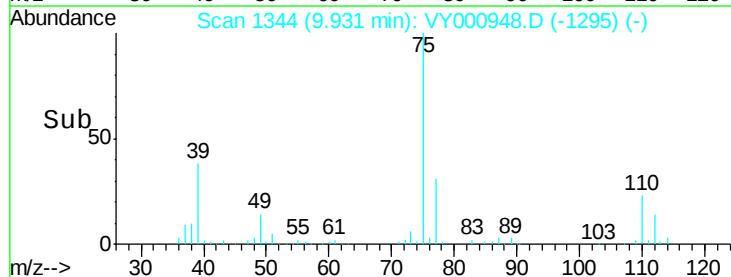
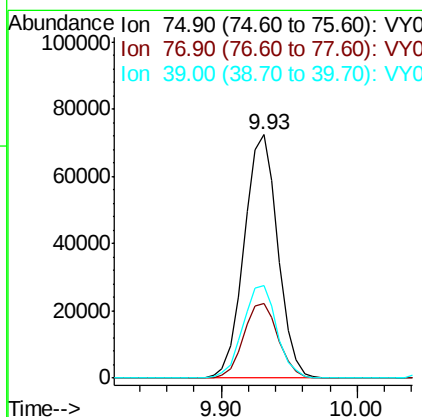
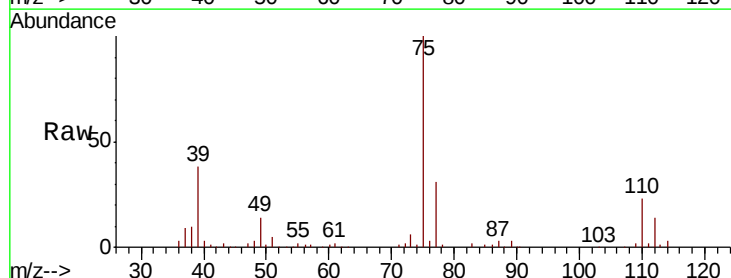
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

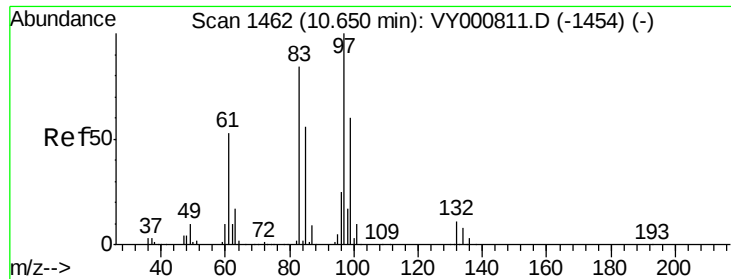
Tgt Ion: 75 Resp: 102756
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 21.258 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 75 Resp: 125232
Ion Ratio Lower Upper
75 100
77 30.6 24.7 37.1
39 37.8 34.5 51.7





#55

1,1,2-Trichloroethane

Concen: 21.222 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

Tgt Ion: 97 Resp: 61915

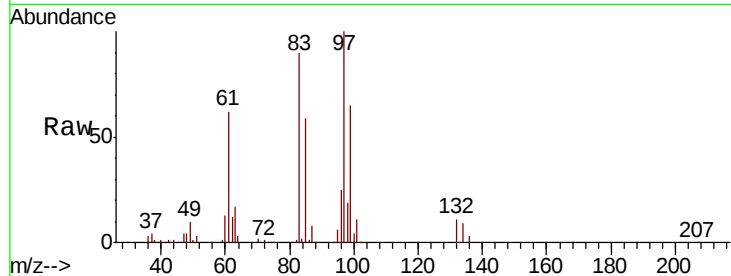
Ion Ratio Lower Upper

97 100

83 89.8 67.5 101.3

85 58.6 44.5 66.7

99 64.5 47.7 71.5

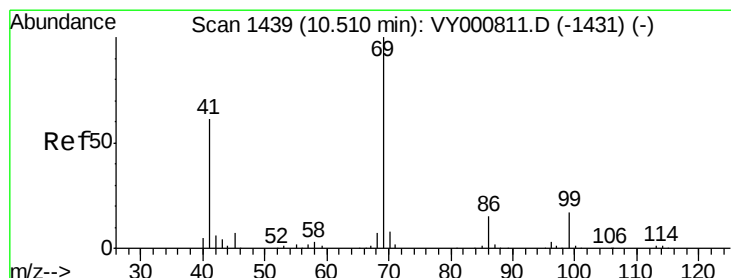
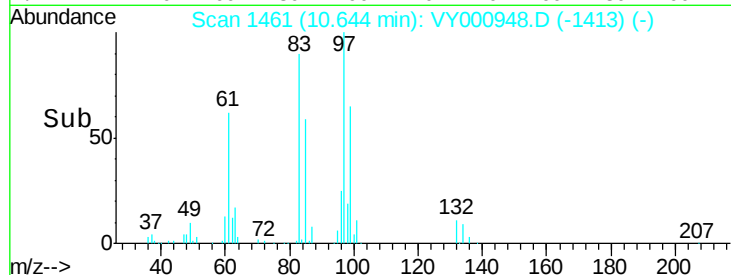
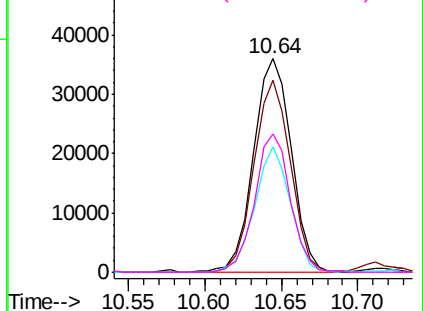


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 21.358 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

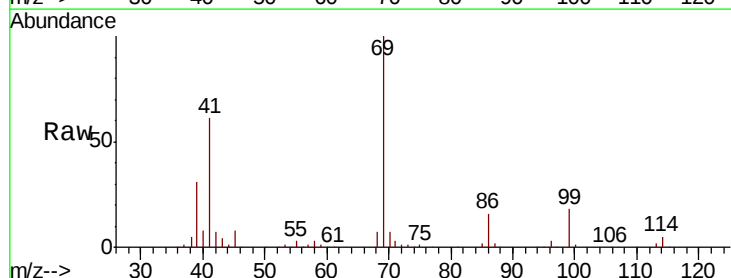
Tgt Ion: 69 Resp: 89138

Ion Ratio Lower Upper

69 100

41 59.8 49.0 73.6

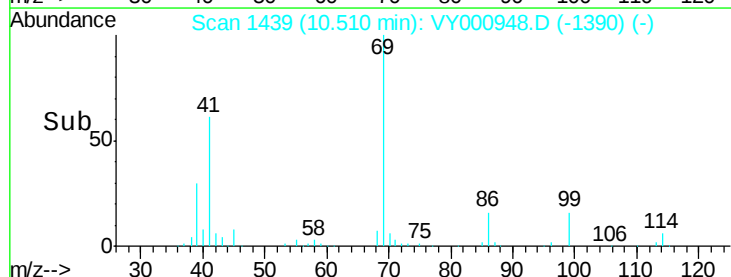
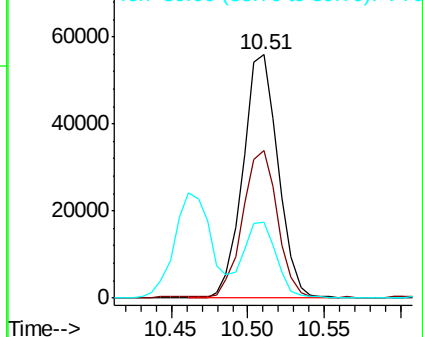
39 30.2 23.1 34.7

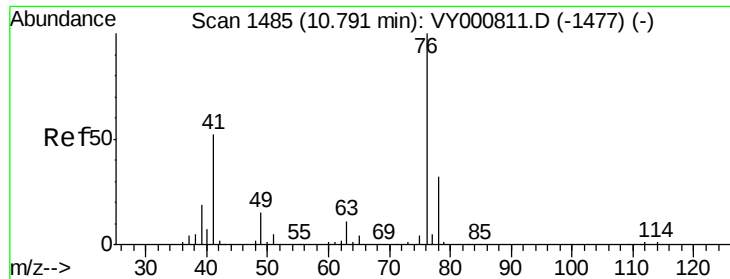


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

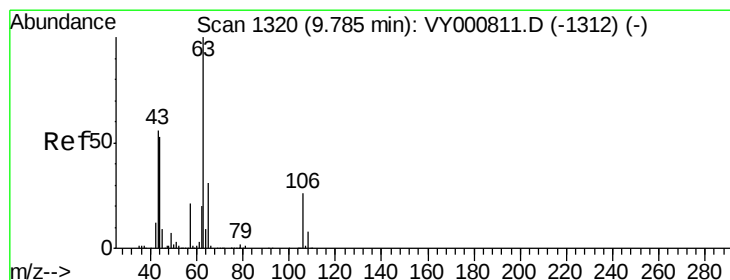
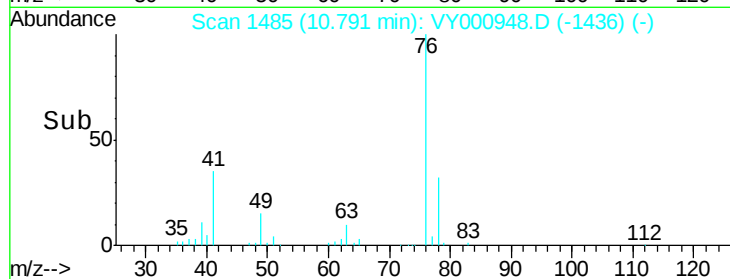
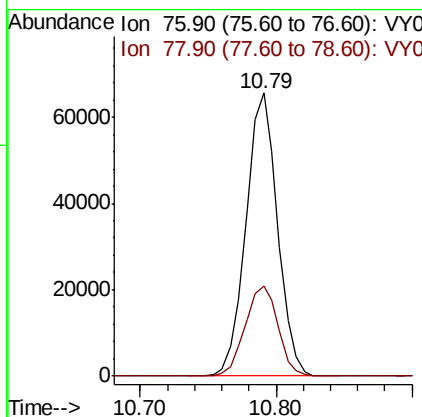
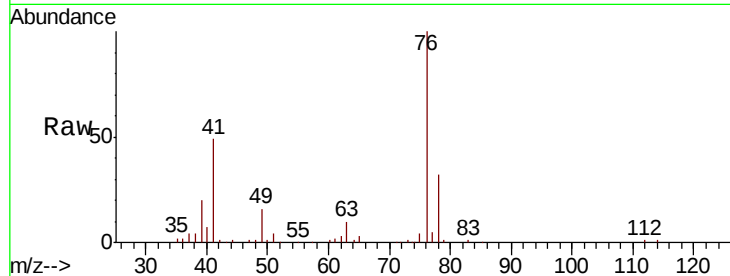




#57
 1,3-Dichloropropane
 Concen: 20.935 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

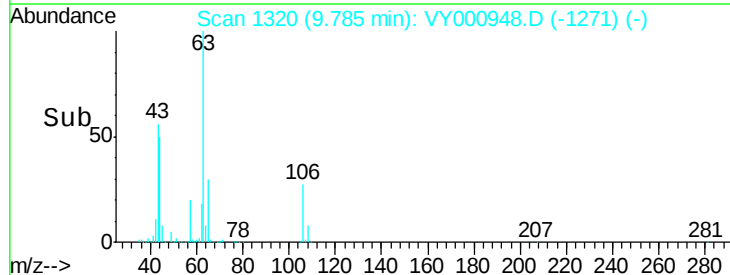
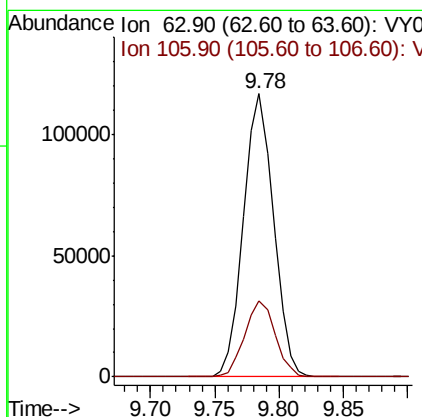
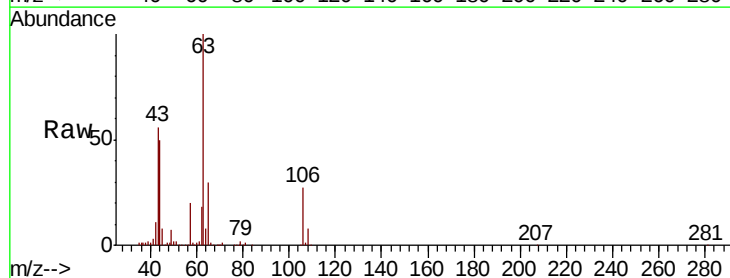
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

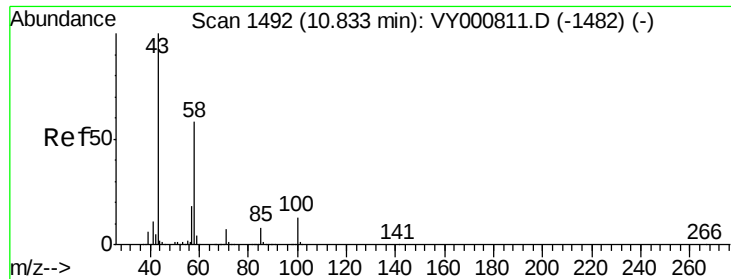
Tgt Ion: 76 Resp: 106454
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.4 39.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 112.038 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 63 Resp: 188543
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

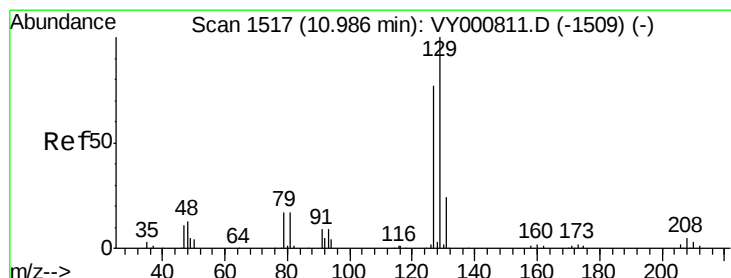
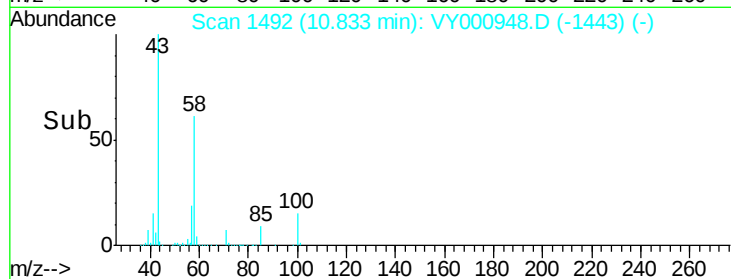
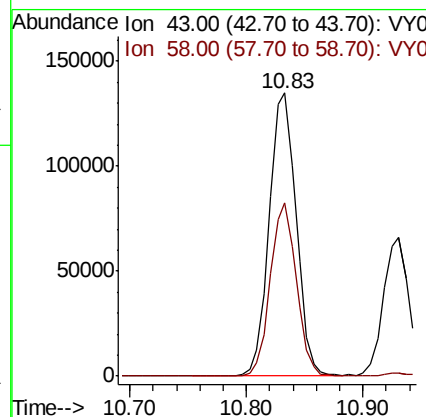
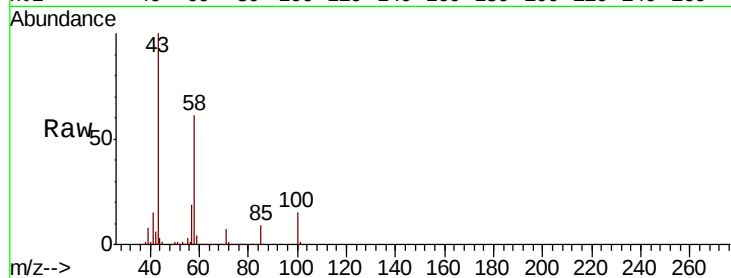




#59
2-Hexanone
Concen: 101.861 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

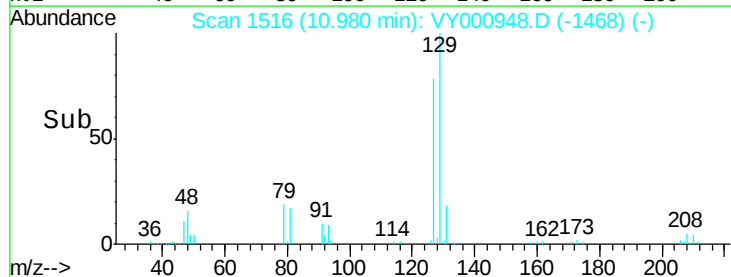
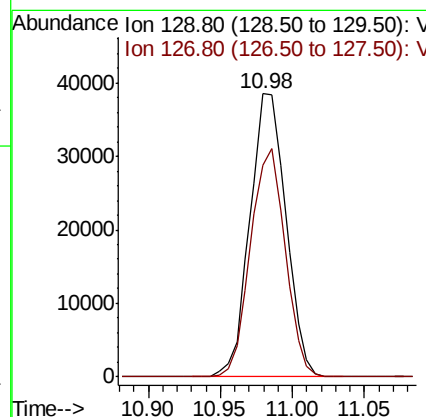
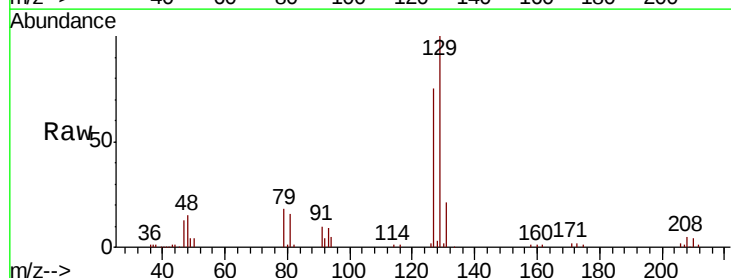
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

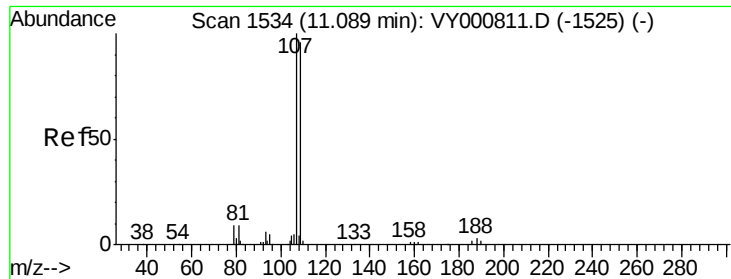
Tgt Ion: 43 Resp: 21555
Ion Ratio Lower Upper
43 100
58 59.0 29.0 87.1



#60
Dibromochloromethane
Concen: 21.244 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 129 Resp: 66721
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2

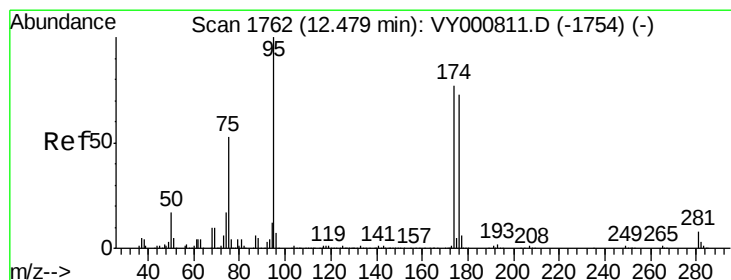
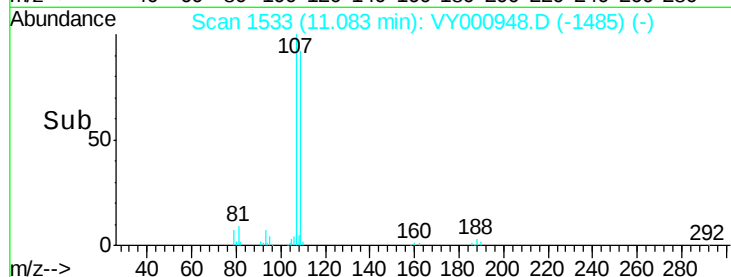
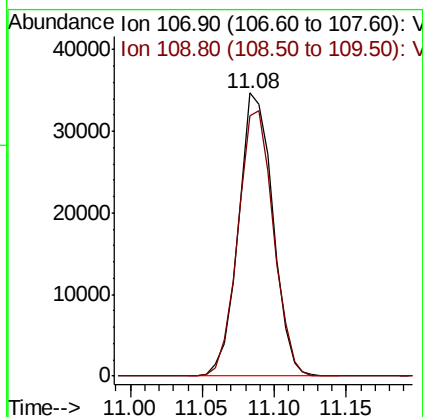
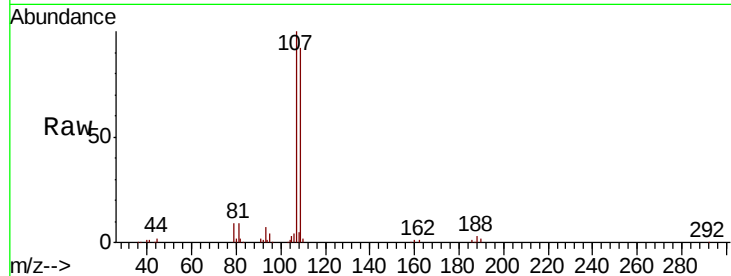




#61
 1,2-Dibromoethane
 Concen: 20.892 ug/l
 RT: 11.08 min Scan# 1533
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

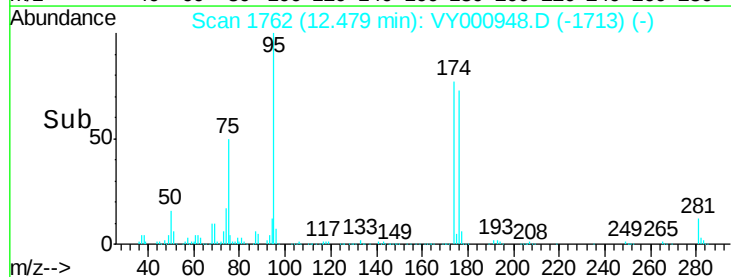
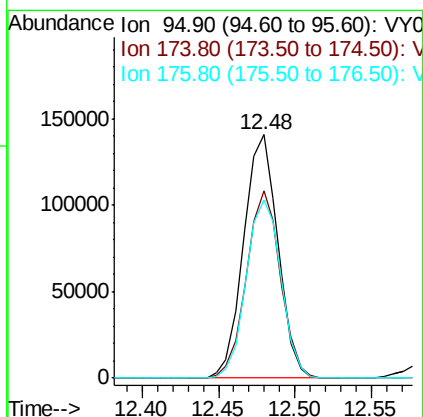
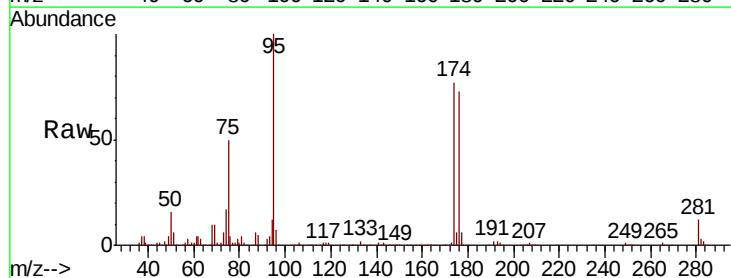
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

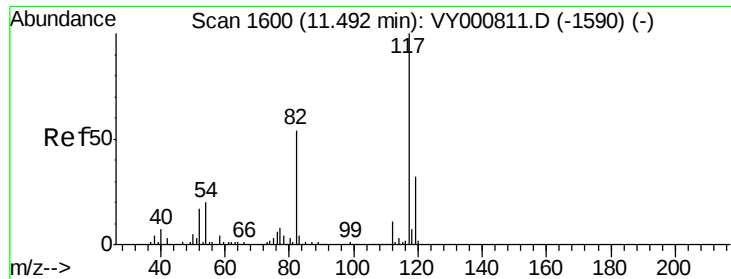
Tgt Ion: 107 Resp: 57444
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 48.147 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion: 95 Resp: 218875
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 150.6
 176 74.8 0.0 145.2

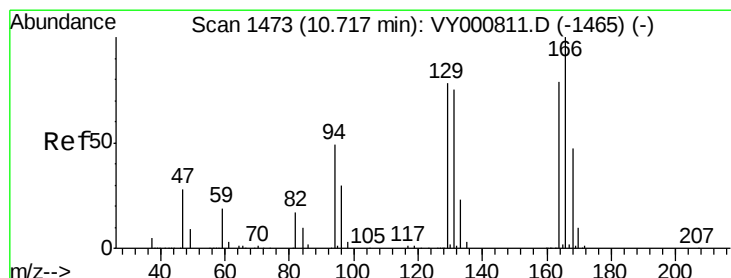
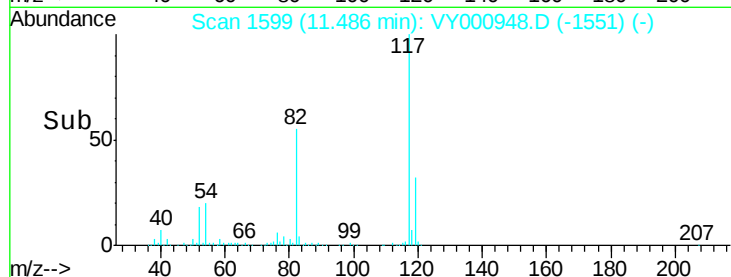
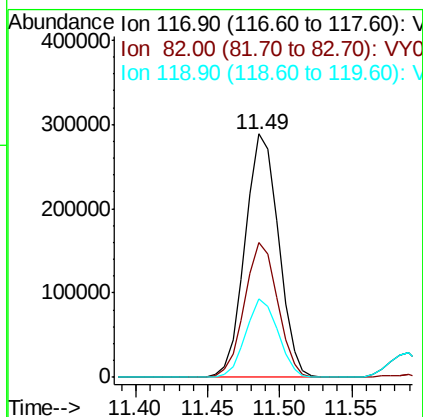
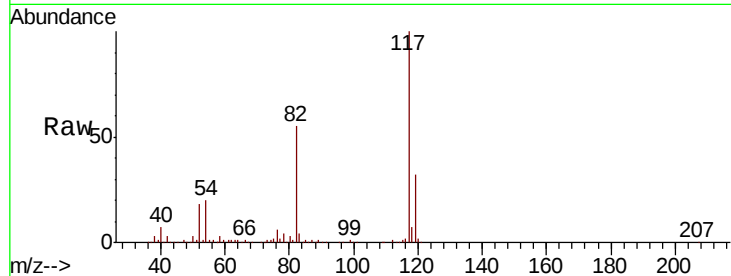




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

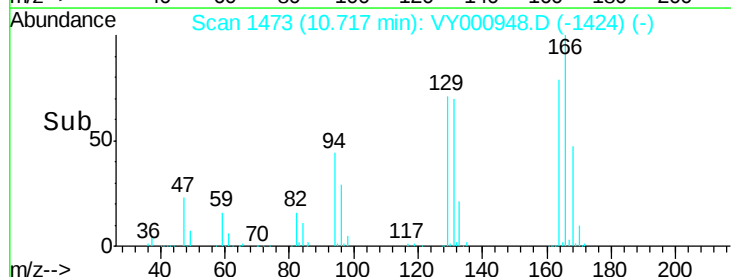
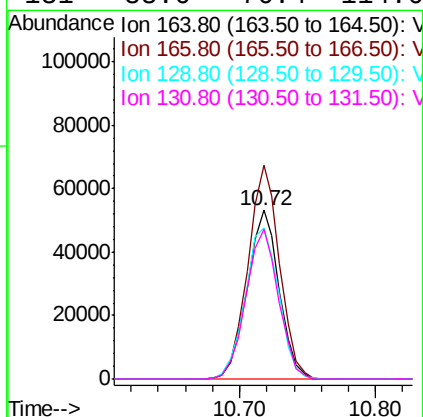
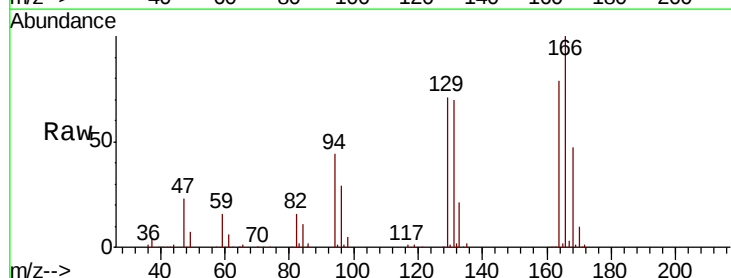
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

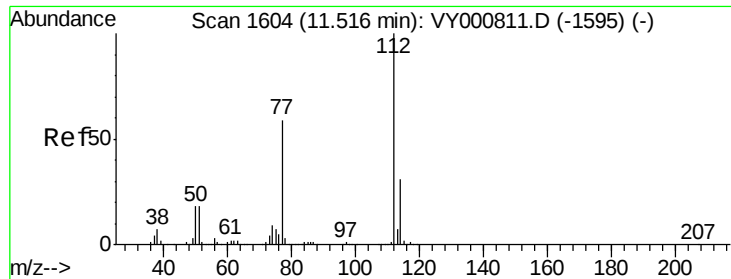
Tgt Ion:117 Resp: 463921
Ion Ratio Lower Upper
117 100
82 55.4 43.1 64.7
119 32.2 25.3 37.9



#64
Tetrachloroethene
Concen: 21.706 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion:164 Resp: 87488
Ion Ratio Lower Upper
164 100
166 126.5 101.8 152.8
129 89.6 79.3 118.9
131 88.6 76.4 114.6





#65

Chlorobenzene

Concen: 20.963 ug/l

RT: 11.52 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

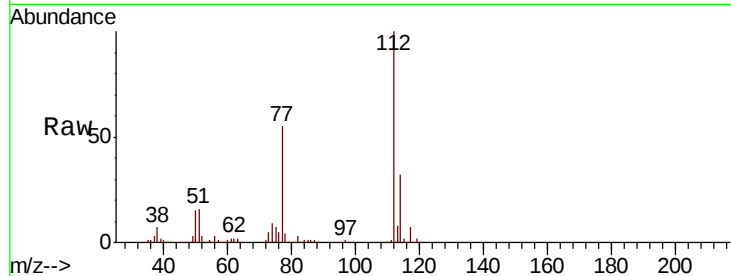
VY1216SBS01

Tgt Ion:112 Resp: 202157

Ion Ratio Lower Upper

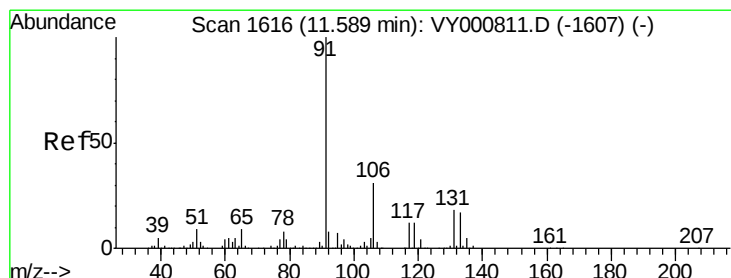
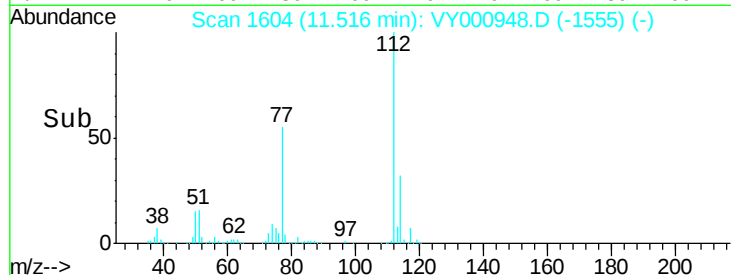
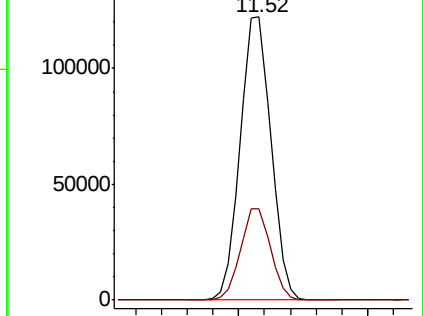
112 100

114 32.2 25.1 37.7



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.938 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

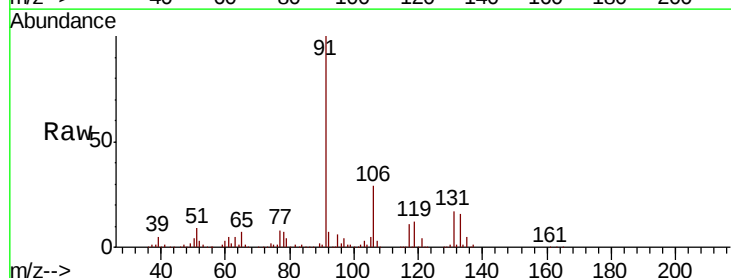
Tgt Ion:131 Resp: 68043

Ion Ratio Lower Upper

131 100

133 94.4 47.4 142.2

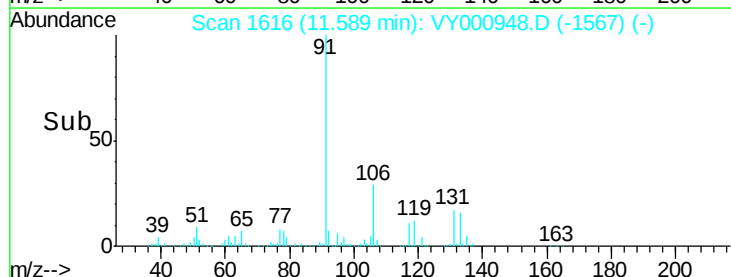
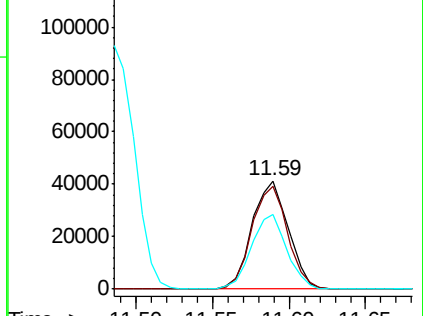
119 67.6 33.8 101.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

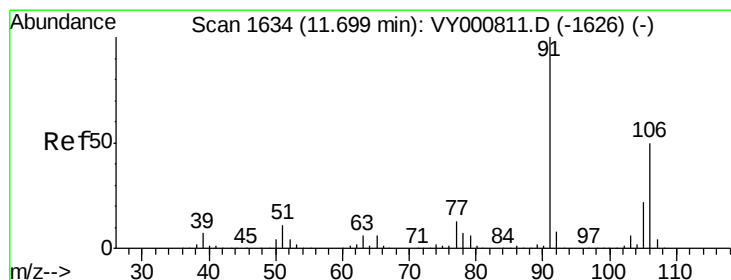
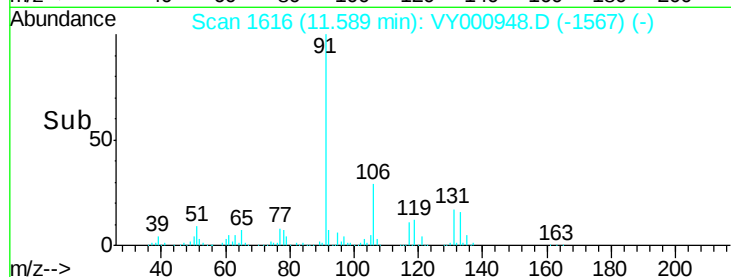
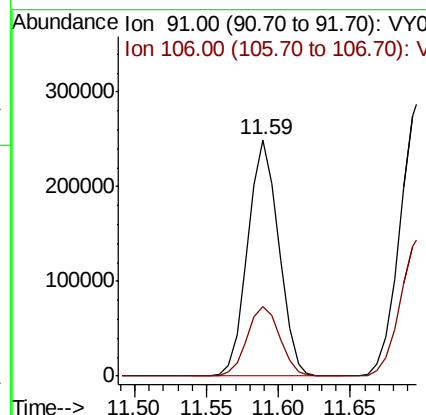
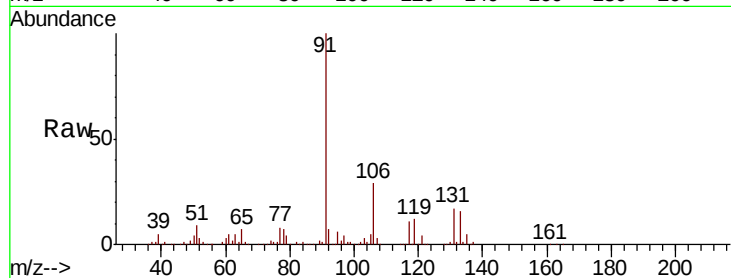




#67
Ethyl Benzene
Concen: 20.706 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

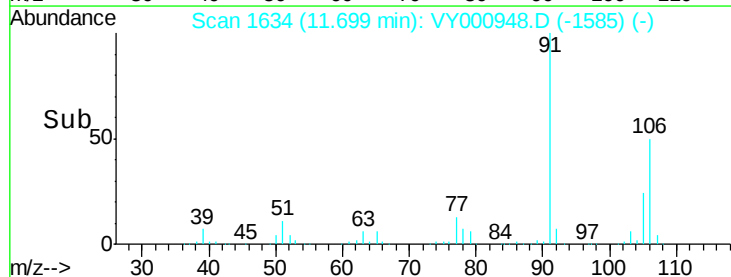
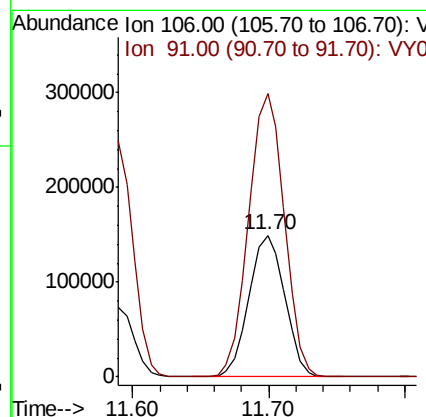
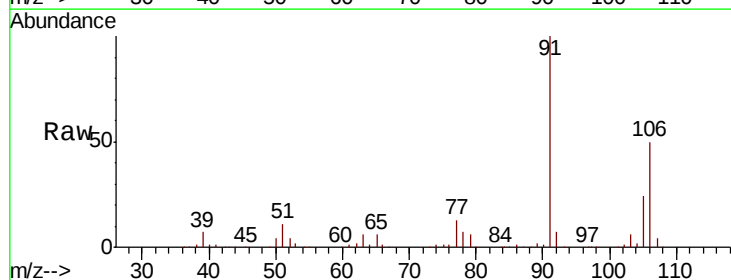
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

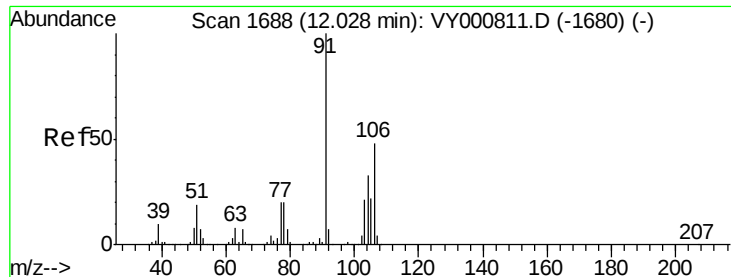
Tgt Ion: 91 Resp: 371877
Ion Ratio Lower Upper
91 100
106 29.2 24.4 36.6



#68
m/p-Xylenes
Concen: 40.887 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 106 Resp: 275622
Ion Ratio Lower Upper
106 100
91 199.9 159.6 239.4

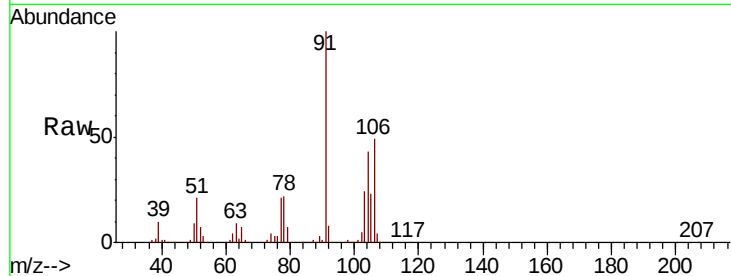




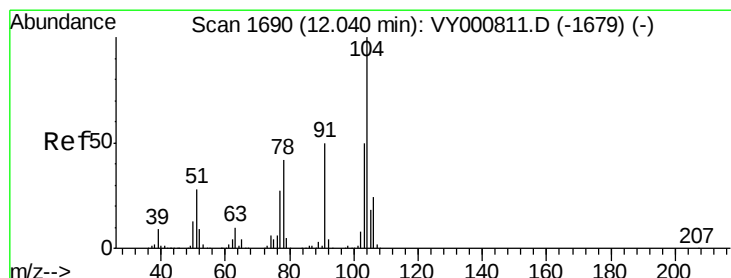
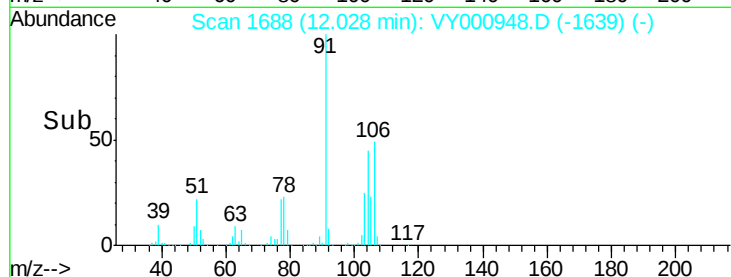
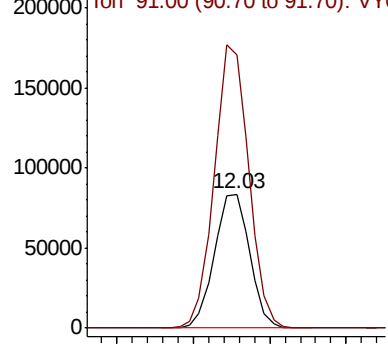
#69
o-Xylene
Concen: 21.280 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion:106 Resp: 133748
Ion Ratio Lower Upper
106 100
91 206.3 106.1 318.1

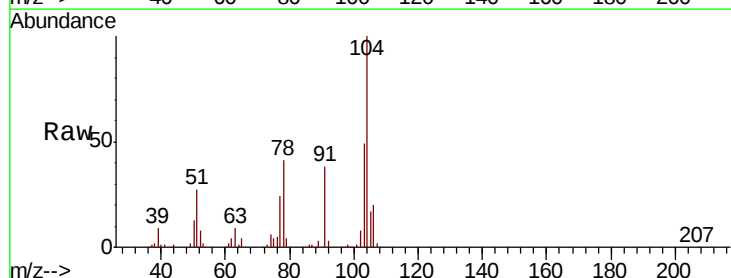


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

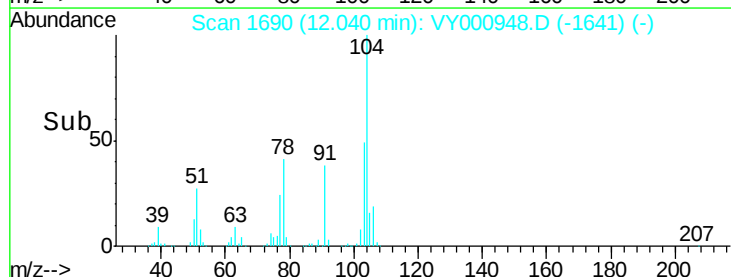
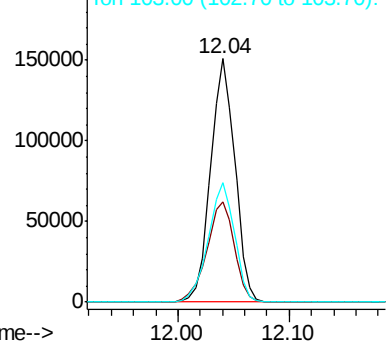


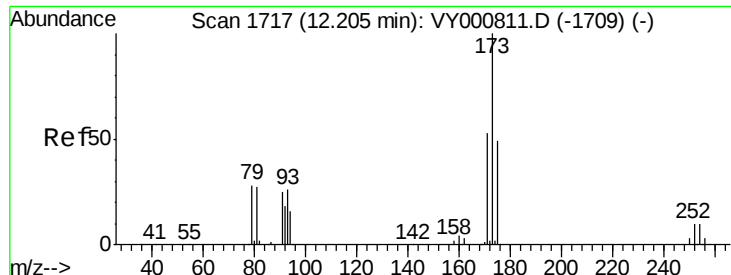
#70
Styrene
Concen: 21.159 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion:104 Resp: 227715
Ion Ratio Lower Upper
104 100
78 46.4 38.2 57.4
103 53.2 43.4 65.0



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





#71

Bromoform

Concen: 20.946 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

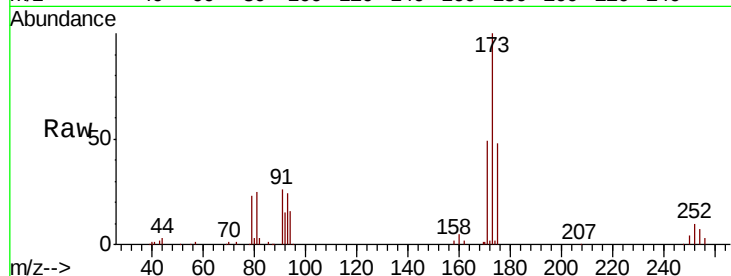
Tgt Ion:173 Resp: 38392

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

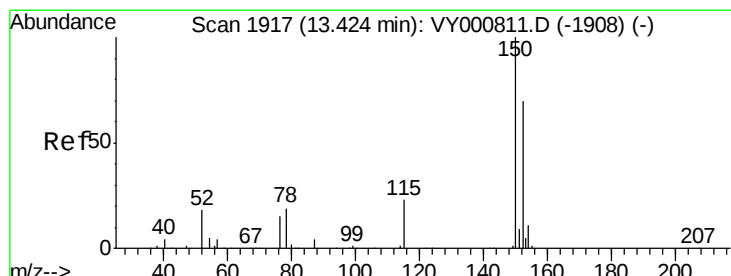
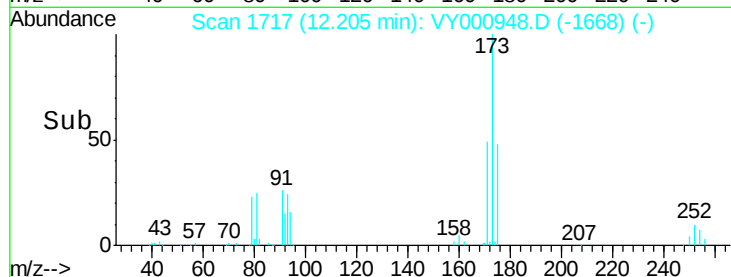
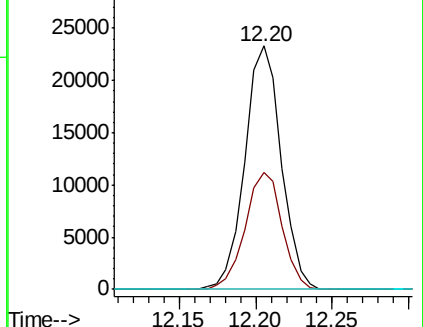
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

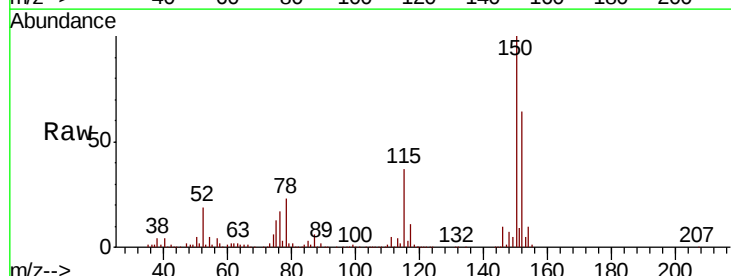
Tgt Ion:152 Resp: 217820

Ion Ratio Lower Upper

152 100

115 60.0 29.3 87.8

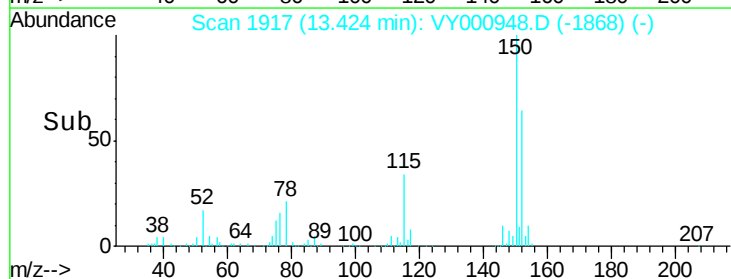
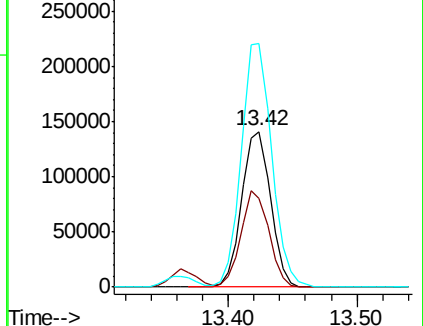
150 165.4 0.0 351.2

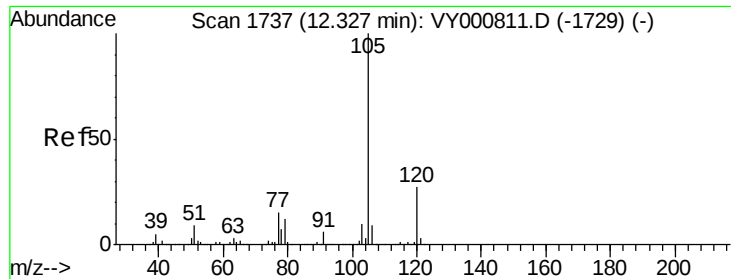


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.640 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

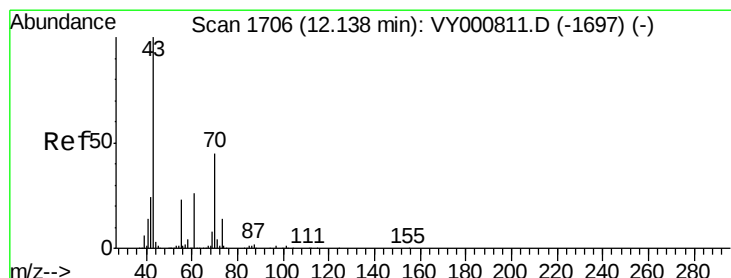
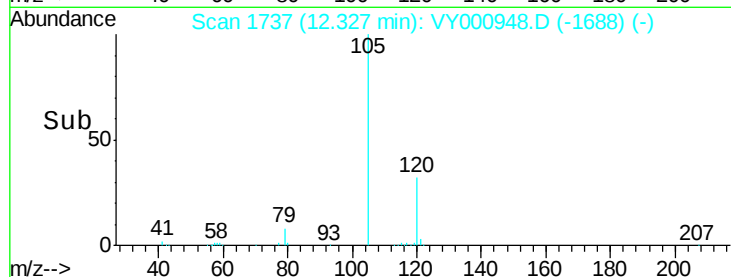
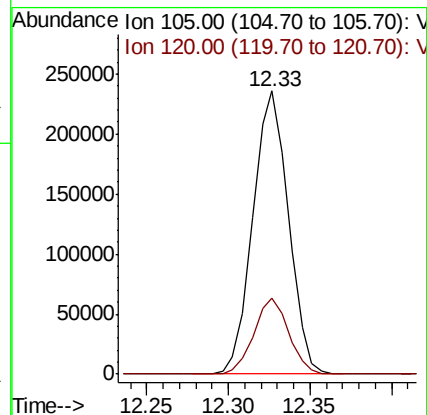
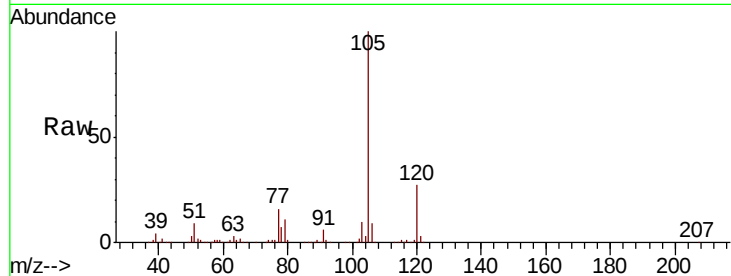
VY1216SBS01

Tgt Ion: 105 Resp: 357965

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 21.013 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Tgt Ion: 43 Resp: 101437

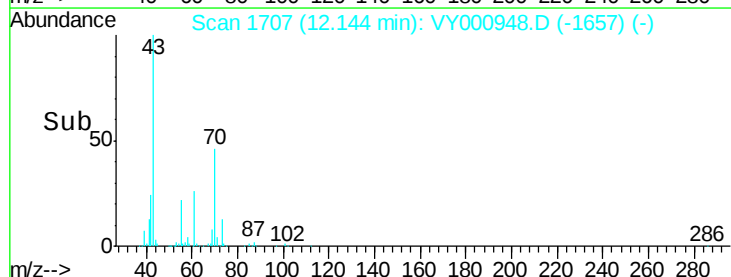
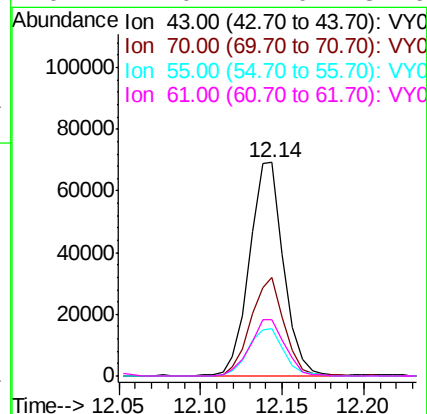
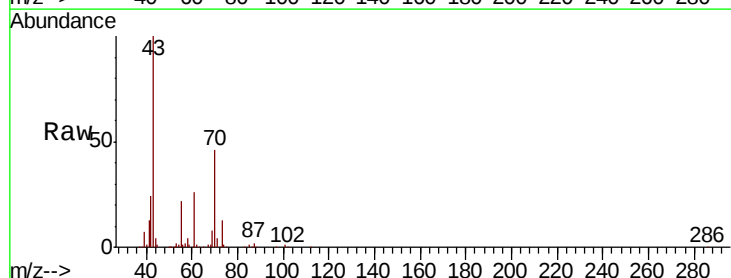
Ion Ratio Lower Upper

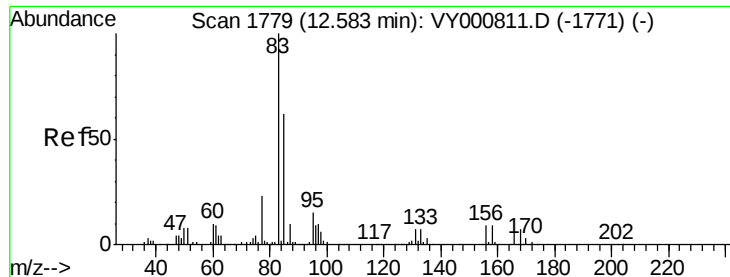
43 100

70 45.1 36.6 54.8

55 22.9 18.8 28.2

61 27.0 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.385 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBSD01

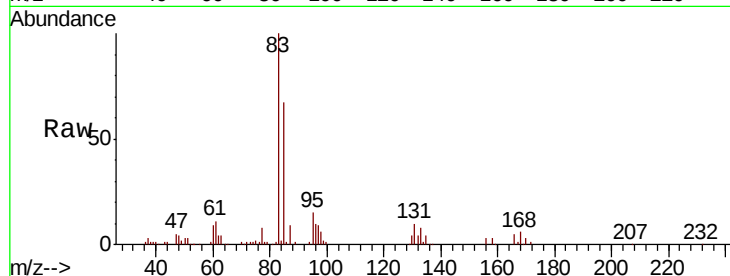
Tgt Ion: 83 Resp: 69661

Ion Ratio Lower Upper

83 100

131 10.2 4.3 13.1

85 65.6 32.4 97.0



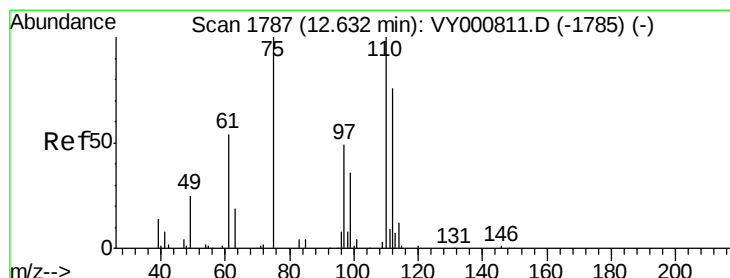
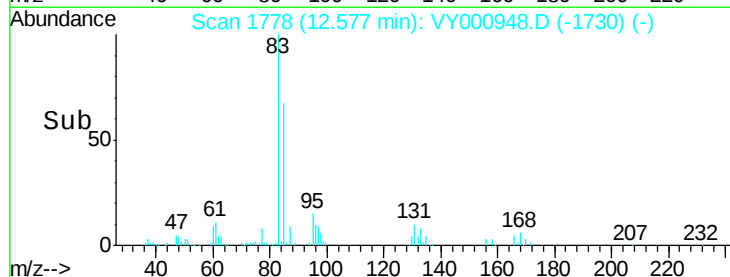
Abundance Ion 82.90 (82.60 to 83.60): VY0

Ion 130.80 (130.50 to 131.50): VY0

Ion 84.90 (84.60 to 85.60): VY0

12.58

Time--> 12.50 12.55 12.60



#76

1,2,3-Trichloropropane

Concen: 40.369 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY000948.D

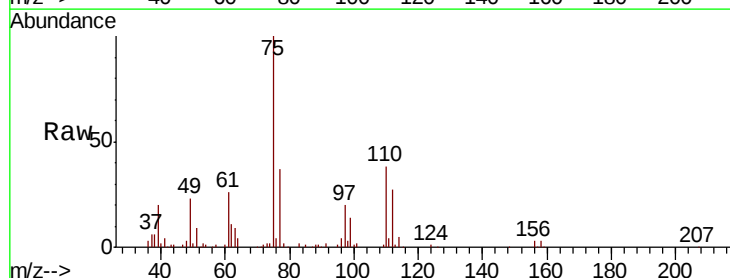
Acq: 16 Dec 2019 12:14

Tgt Ion: 75 Resp: 99626

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

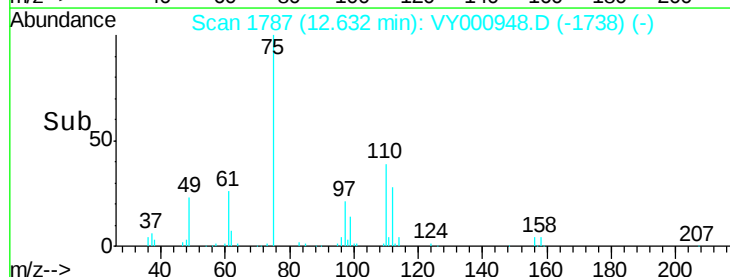


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 77.00 (76.70 to 77.70): VY0

12.63

Time--> 12.50 12.60 12.70





#77

Bromobenzene

Concen: 20.530 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

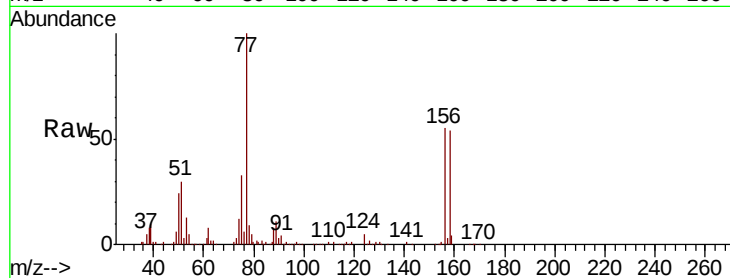
Tgt Ion:156 Resp: 77180

Ion Ratio Lower Upper

156 100

77 206.2 102.6 307.7

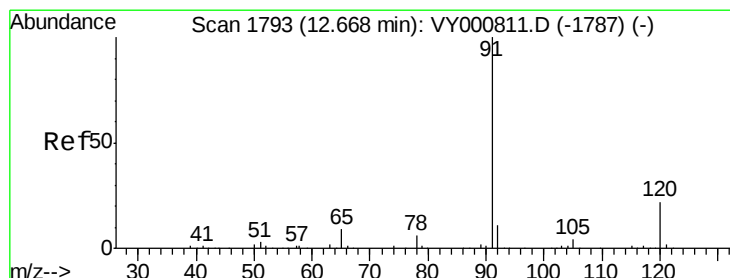
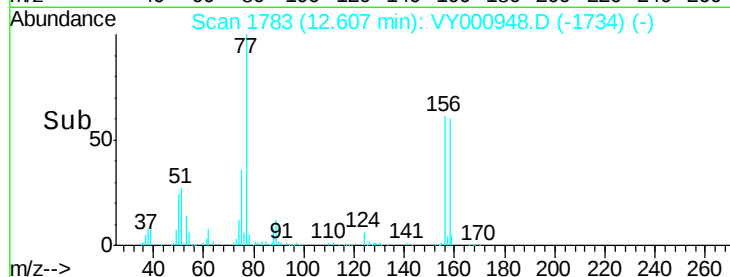
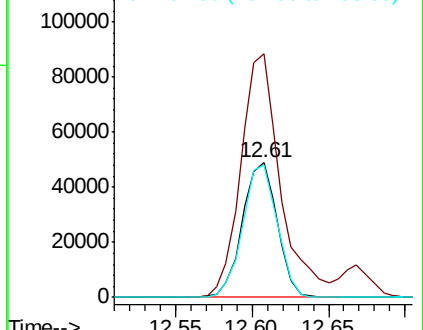
158 97.7 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.338 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY000948.D

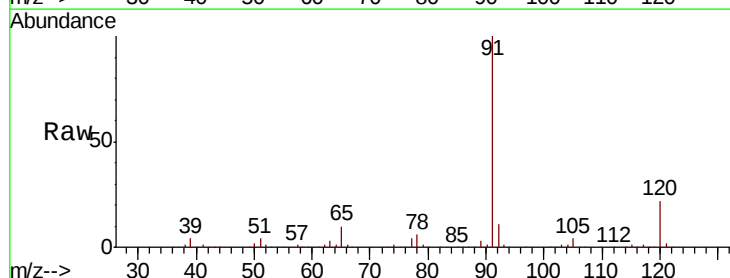
Acq: 16 Dec 2019 12:14

Tgt Ion: 91 Resp: 430689

Ion Ratio Lower Upper

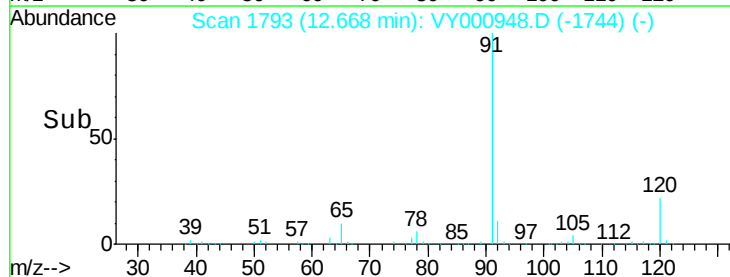
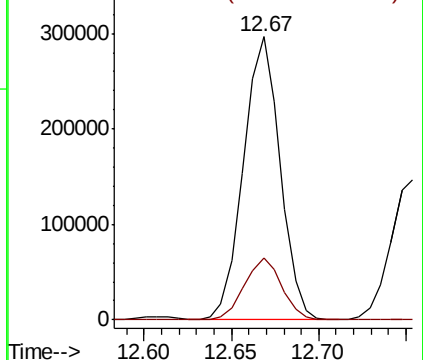
91 100

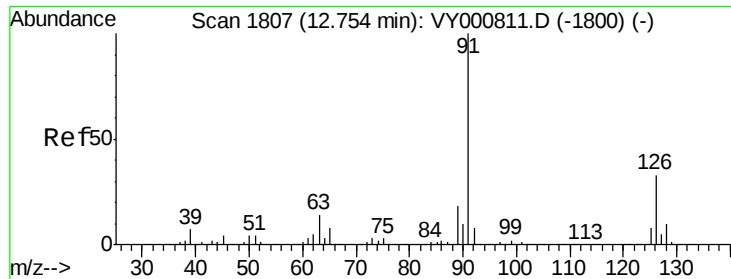
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.893 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

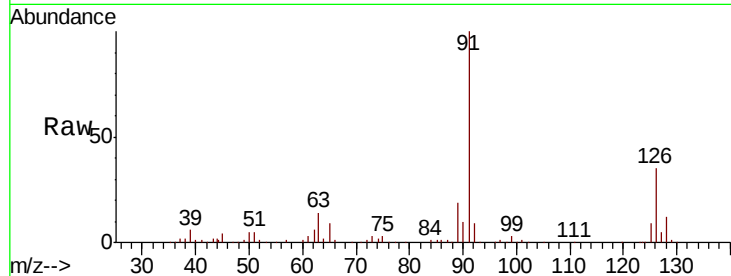
VY1216SBS01

Tgt Ion: 91 Resp: 232726

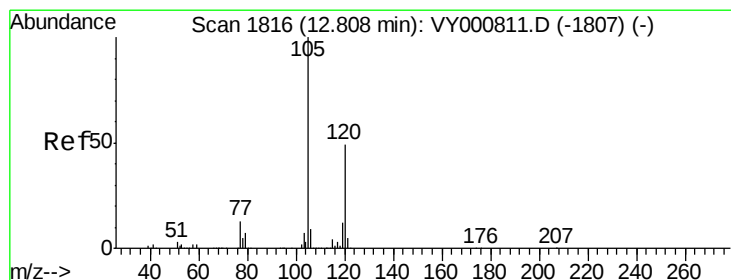
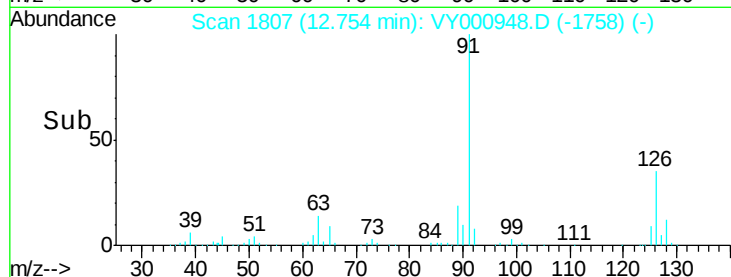
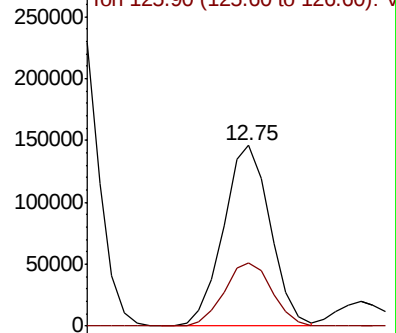
Ion Ratio Lower Upper

91 100

126 36.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY000948.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.790 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY000948.D

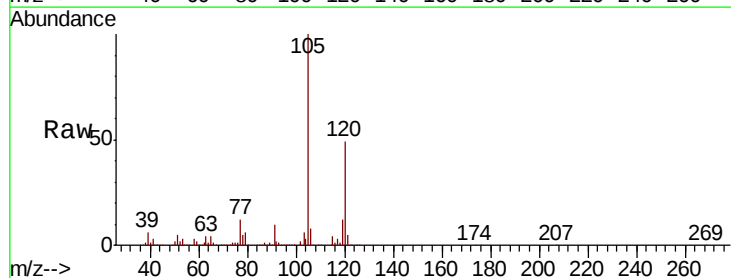
Acq: 16 Dec 2019 12:14

Tgt Ion: 105 Resp: 298548

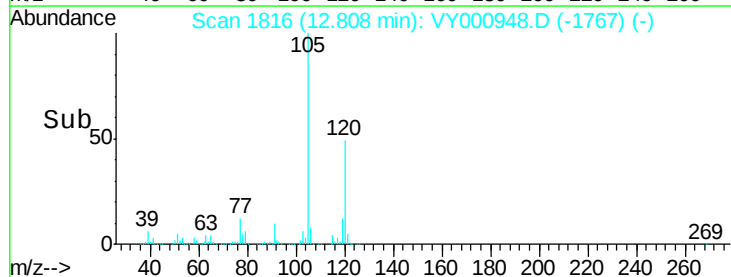
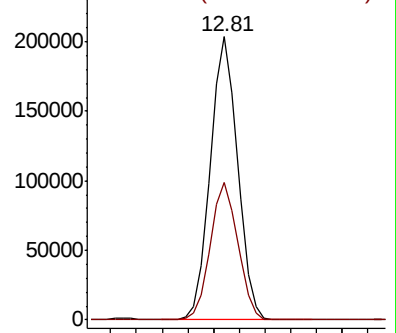
Ion Ratio Lower Upper

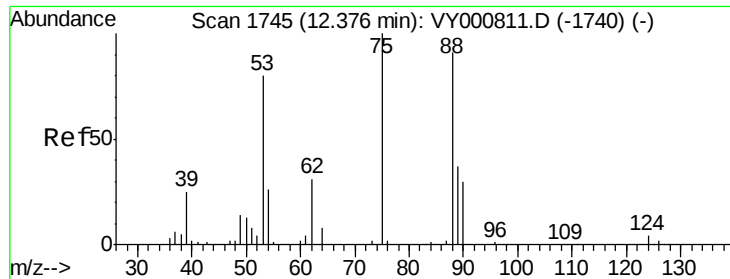
105 100

120 49.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000948.D (-1767) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.963 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBSD01

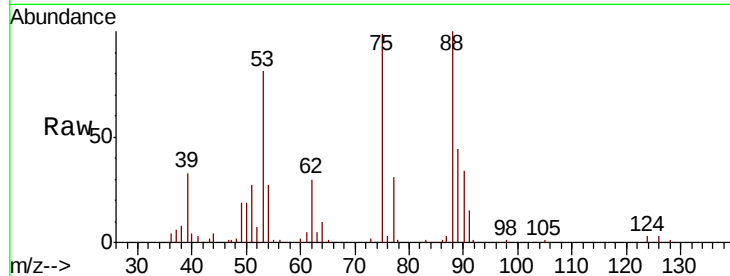
Tgt Ion: 75 Resp: 26337

Ion Ratio Lower Upper

75 100

53 81.4 64.6 96.8

89 46.4 33.6 50.4

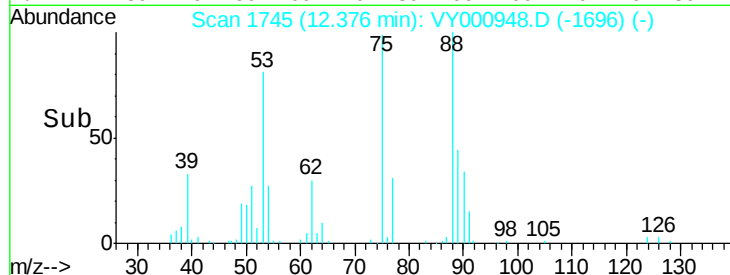


Abundance Ion 74.90 (74.60 to 75.60): VY000948.D (-1696) (-)

Ion 53.00 (52.70 to 53.70): VY000948.D (-1696) (-)

Ion 88.90 (88.60 to 89.60): VY000948.D (-1696) (-)

Time-->

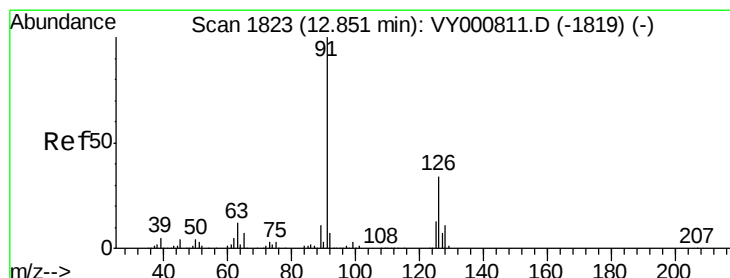


Abundance Ion 74.90 (74.60 to 75.60): VY000948.D (-1696) (-)

Ion 53.00 (52.70 to 53.70): VY000948.D (-1696) (-)

Ion 88.90 (88.60 to 89.60): VY000948.D (-1696) (-)

Time-->



#82

4-Chlorotoluene

Concen: 20.555 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY000948.D

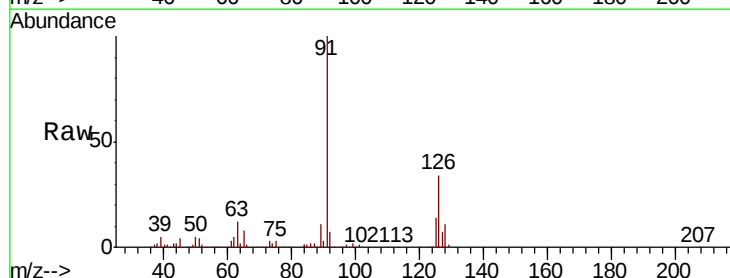
Acq: 16 Dec 2019 12:14

Tgt Ion: 91 Resp: 247747

Ion Ratio Lower Upper

91 100

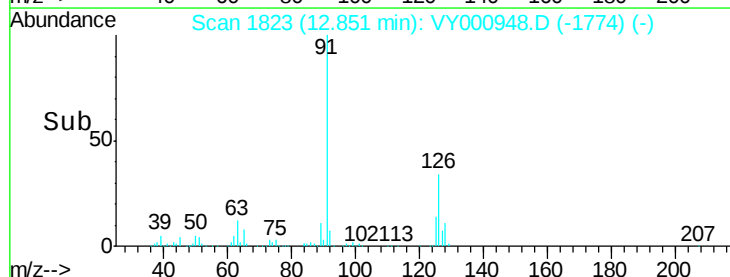
126 34.2 17.3 51.9



Abundance Ion 91.00 (90.70 to 91.70): VY000948.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VY000948.D (-1774) (-)

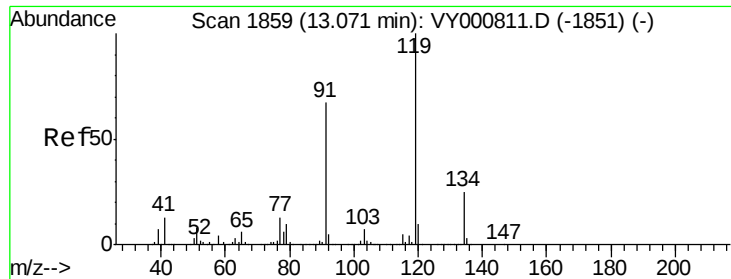
Time-->



Abundance Ion 91.00 (90.70 to 91.70): VY000948.D (-1774) (-)

Ion 125.90 (125.60 to 126.60): VY000948.D (-1774) (-)

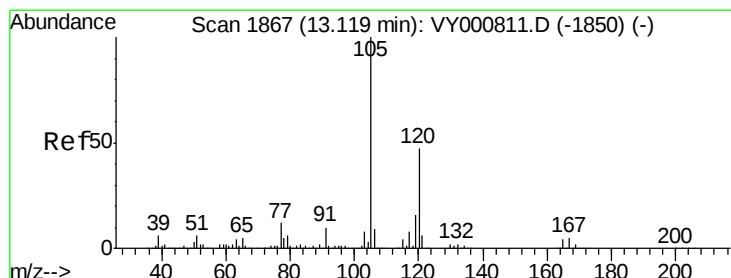
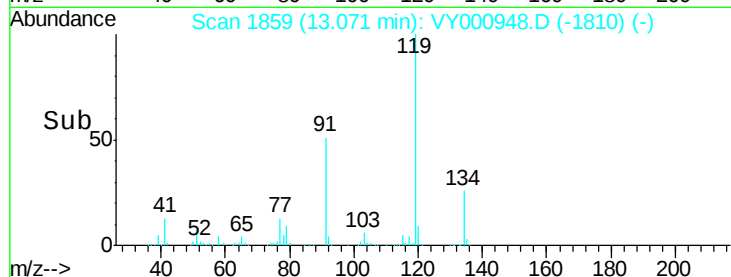
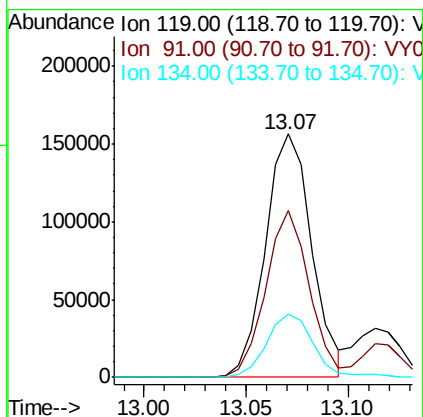
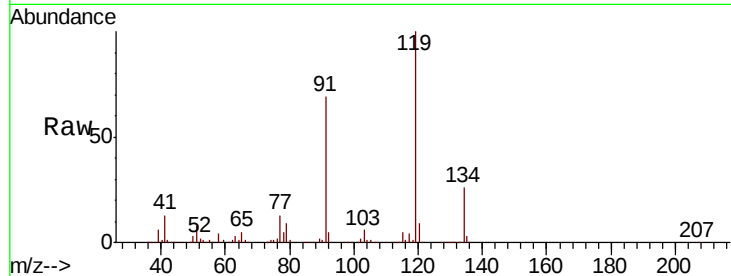
Time-->



#83
 tert-Butylbenzene
 Concen: 20.425 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

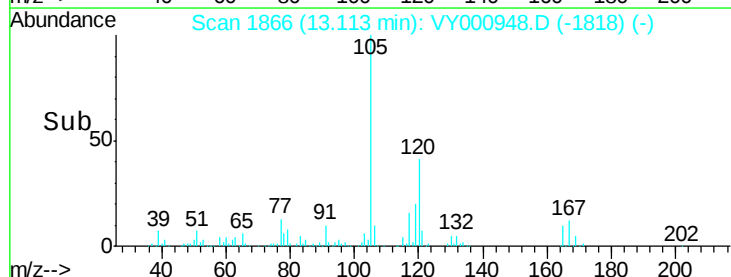
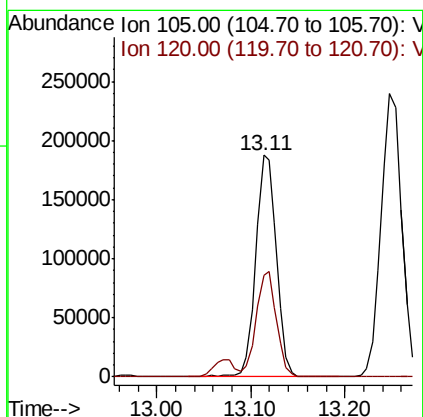
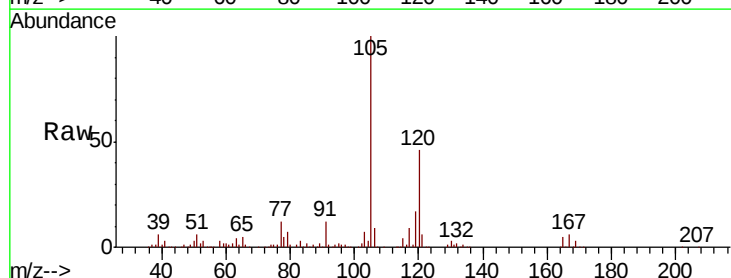
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

Tgt Ion:119 Resp: 246594
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.3 96.8
 134 26.6 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.208 ug/l
 RT: 13.11 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion:105 Resp: 290315
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.6 67.8

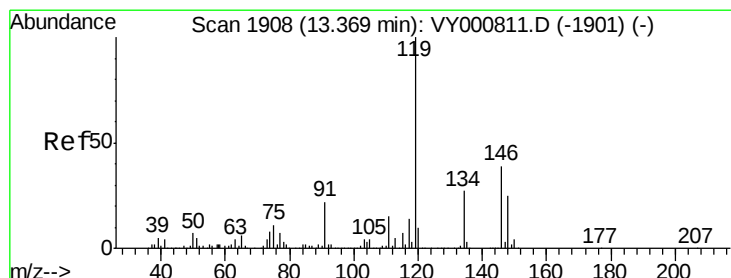
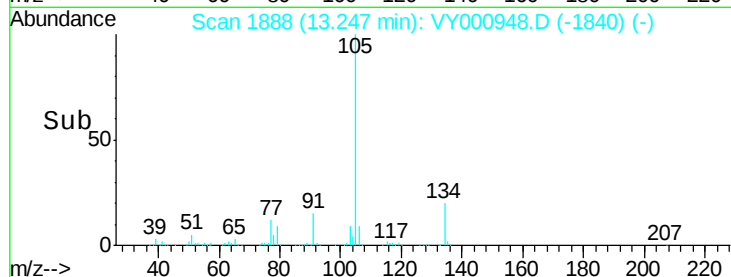
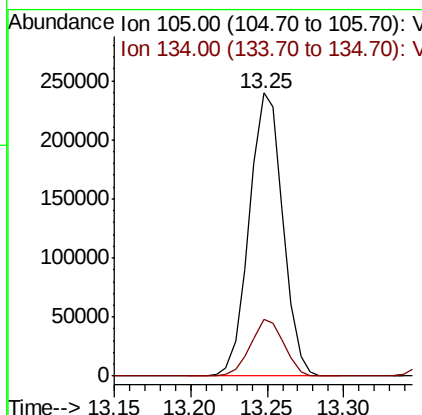
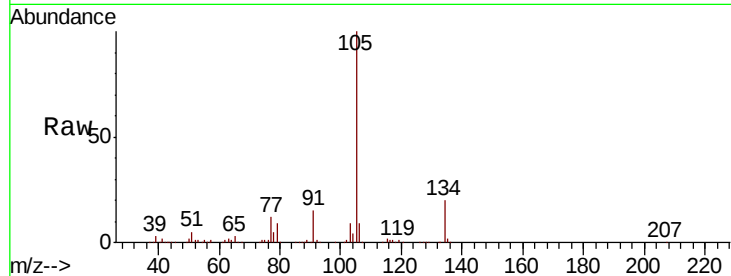




#85
 sec-Butylbenzene
 Concen: 20.789 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

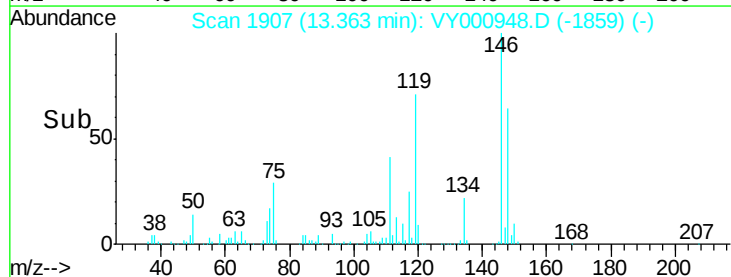
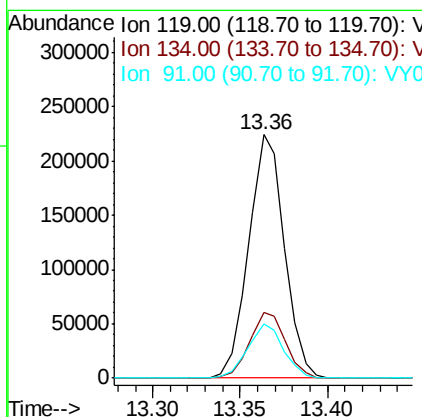
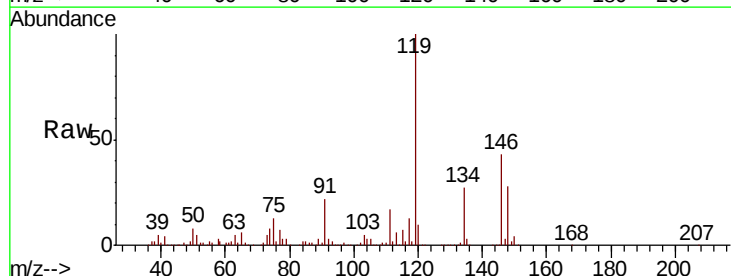
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

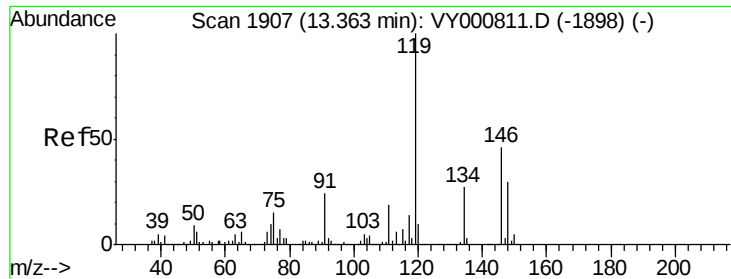
Tgt Ion:105 Resp: 365019
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.915 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion:119 Resp: 319406
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.4
 91 22.3 11.5 34.5

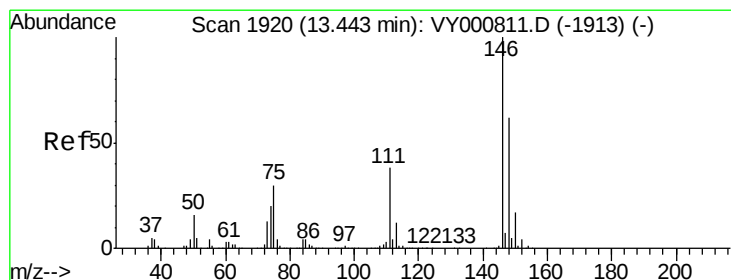
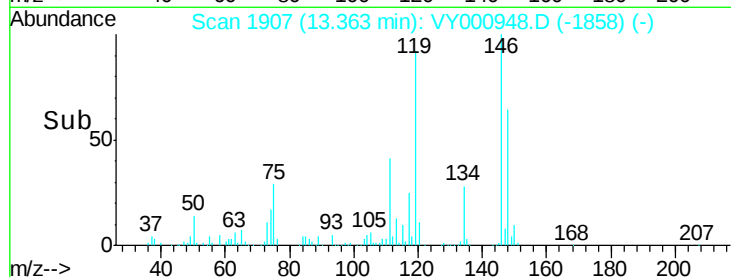
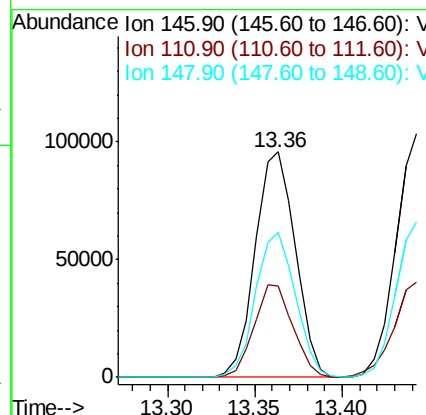
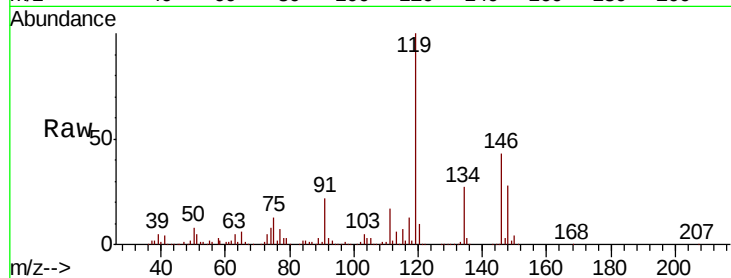




#87
 1,3-Dichlorobenzene
 Concen: 20.775 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

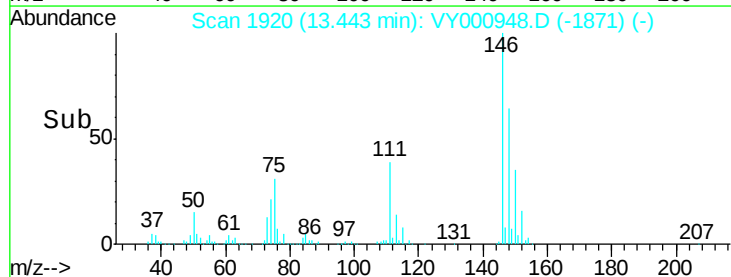
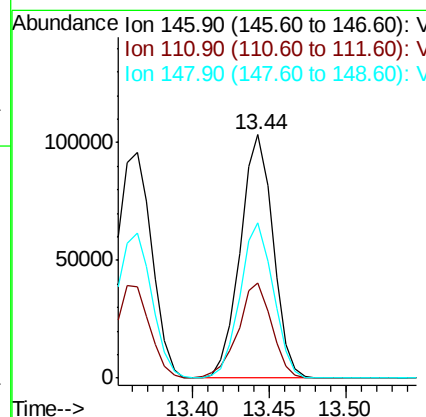
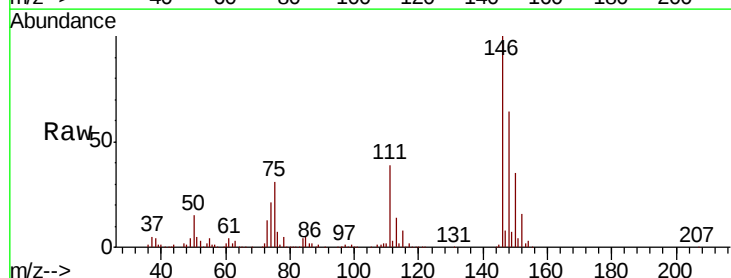
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

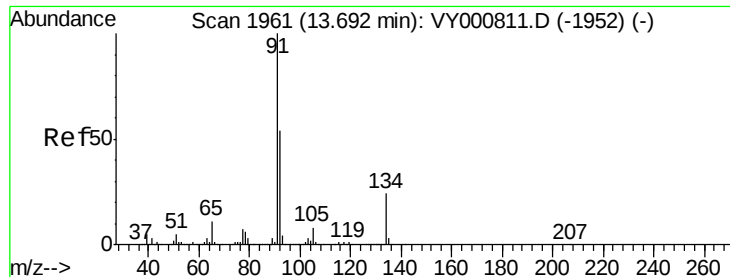
Tgt Ion:146 Resp: 153214
 Ion Ratio Lower Upper
 146 100
 111 39.6 20.0 60.0
 148 63.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.114 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion:146 Resp: 154179
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.0 59.9
 148 64.8 31.7 95.1

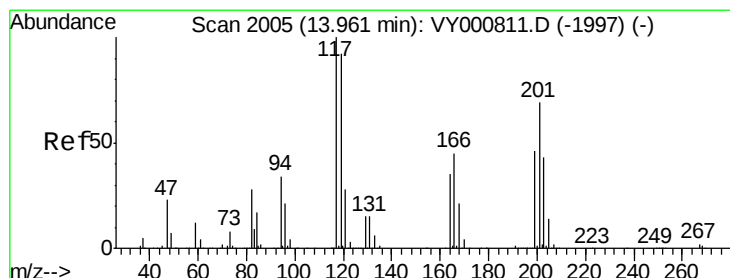
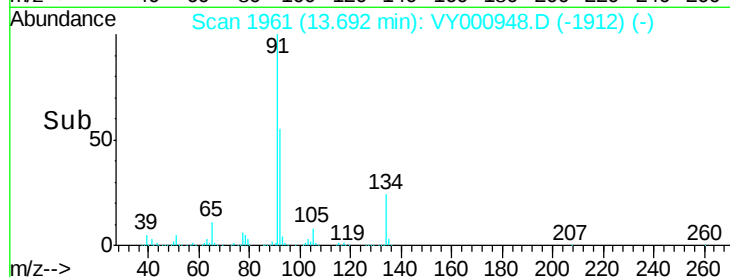
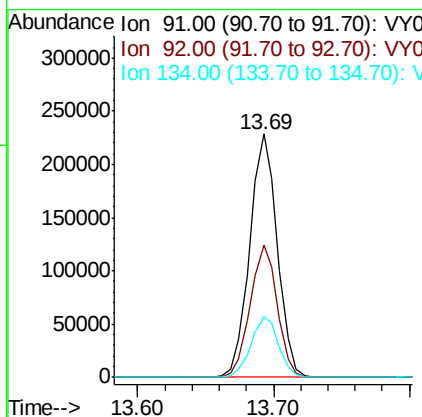
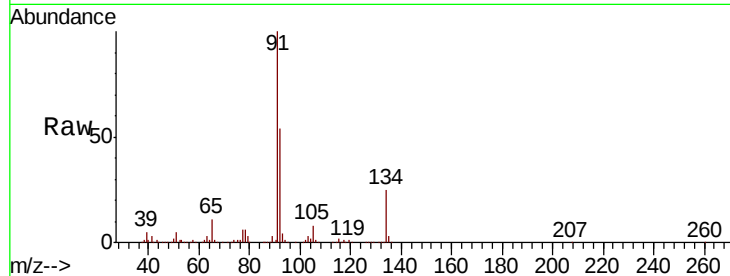




#89
n-Butylbenzene
Concen: 20.995 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

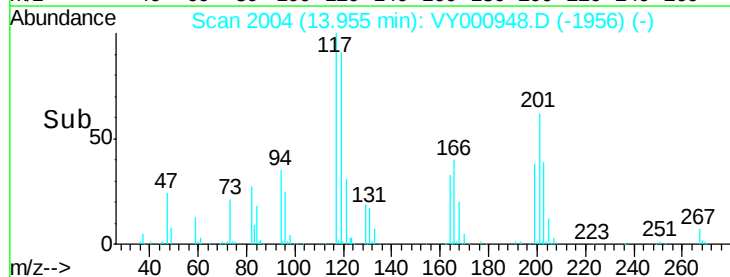
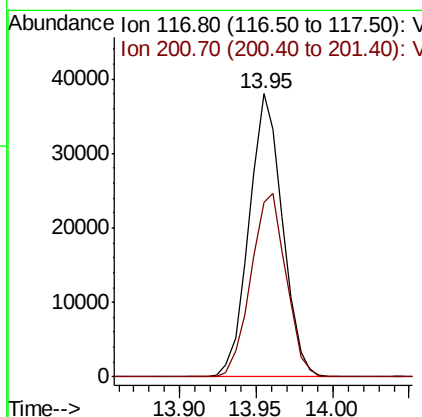
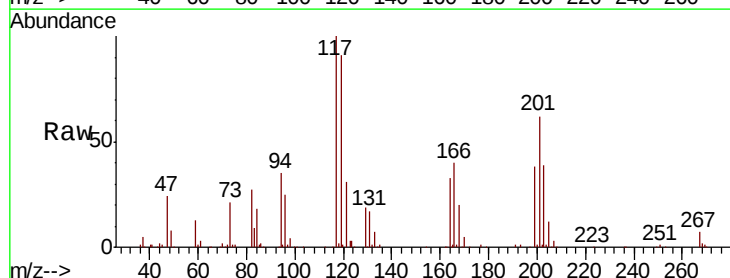
Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

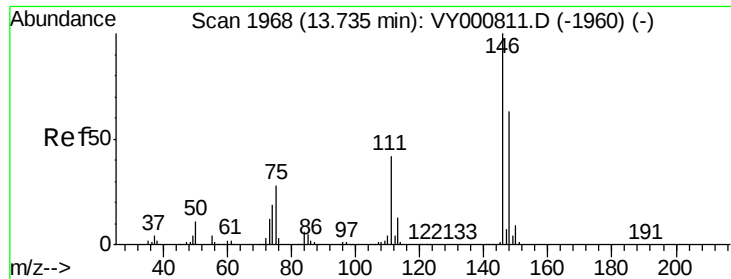
Tgt Ion: 91 Resp: 324175
Ion Ratio Lower Upper
91 100
92 53.8 26.9 80.7
134 25.0 12.6 37.6



#90
Hexachloroethane
Concen: 20.526 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion: 117 Resp: 57746
Ion Ratio Lower Upper
117 100
201 68.2 34.0 102.0





#91

1,2-Dichlorobenzene

Concen: 21.133 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. 0.00 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

Instrument :

MSVOA_Y

ClientSampleId :

VY1216SBS01

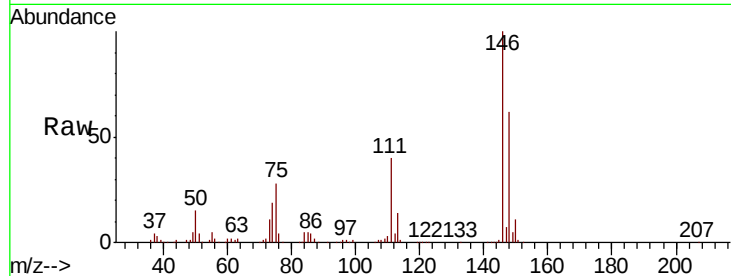
Tgt Ion:146 Resp: 140191

Ion Ratio Lower Upper

146 100

111 41.3 20.9 62.7

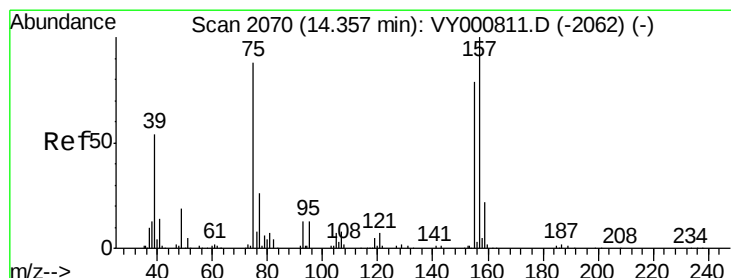
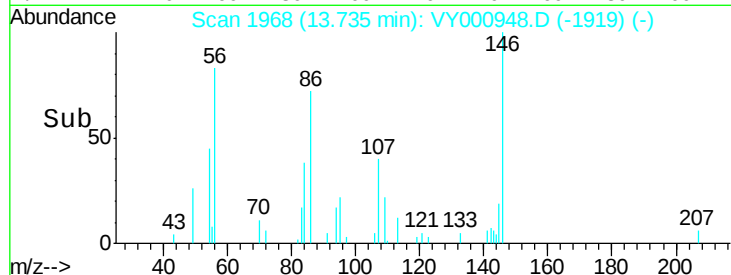
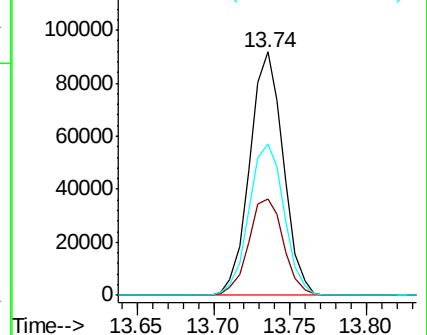
148 65.1 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.337 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY000948.D

Acq: 16 Dec 2019 12:14

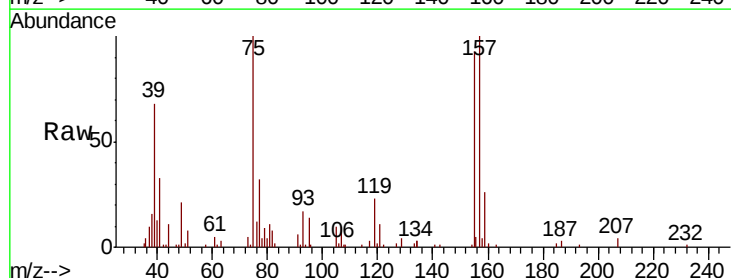
Tgt Ion: 75 Resp: 12207

Ion Ratio Lower Upper

75 100

155 87.5 44.3 132.9

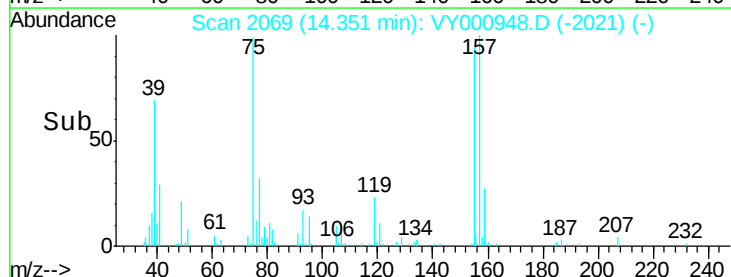
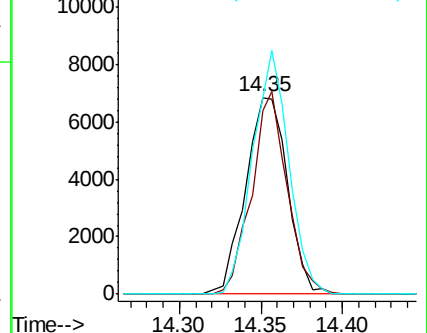
157 107.5 56.3 168.9



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

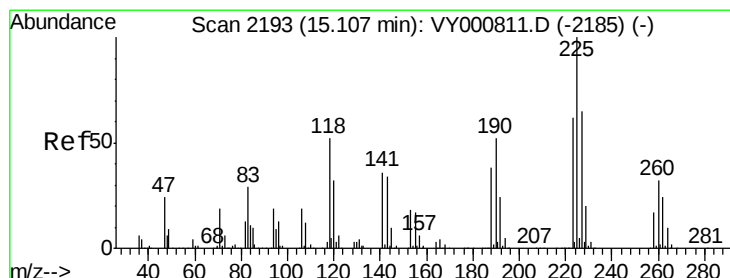
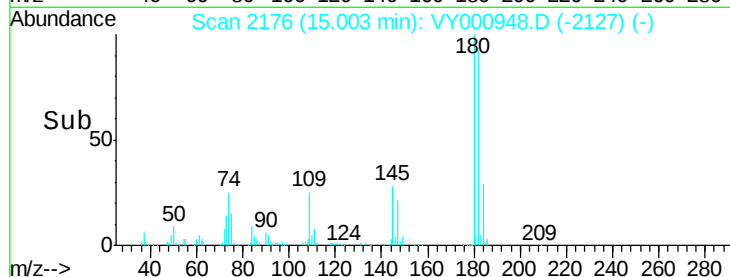
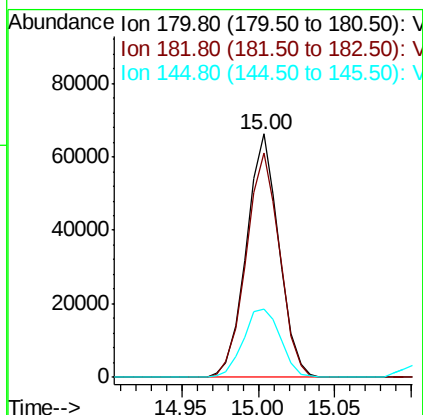
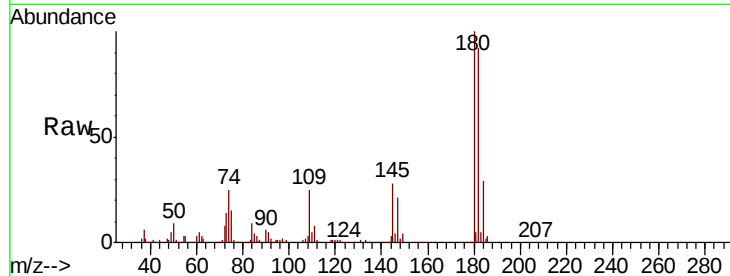




#93
 1,2,4-Trichlorobenzene
 Concen: 21.797 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

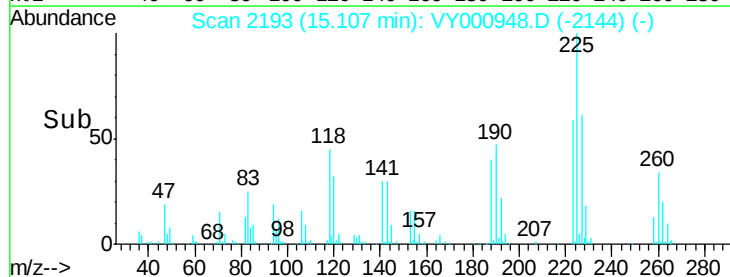
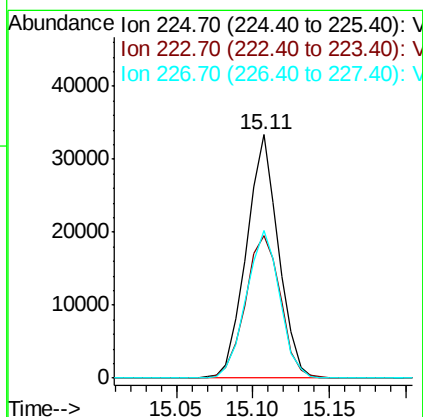
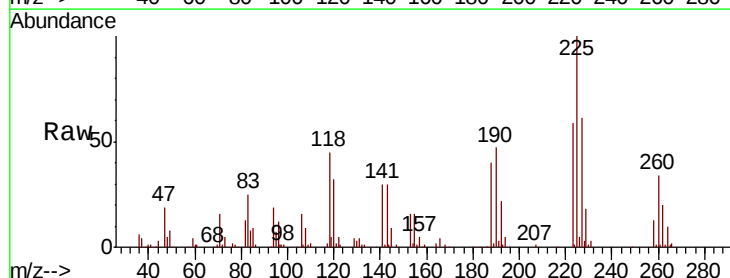
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1216SBS01

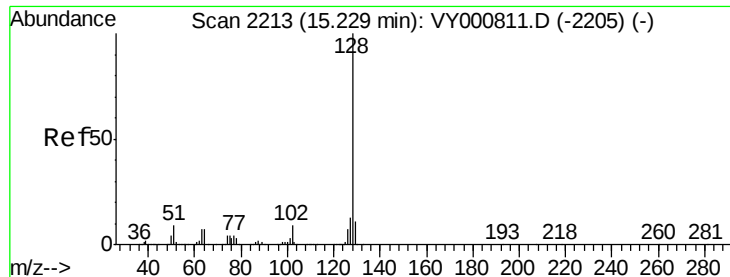
Tgt Ion:180 Resp: 97843
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 141.9
 145 32.1 16.0 47.9



#94
 Hexachlorobutadiene
 Concen: 21.784 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY000948.D
 Acq: 16 Dec 2019 12:14

Tgt Ion:225 Resp: 48480
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.4 94.3
 227 63.6 31.8 95.3

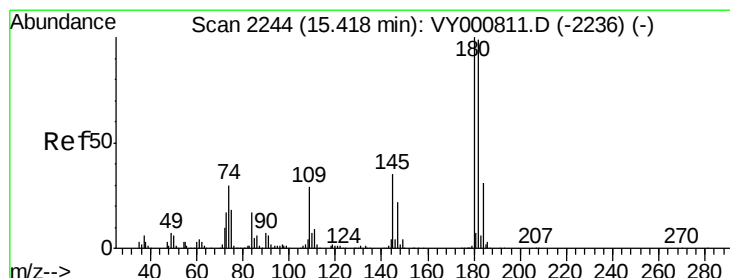
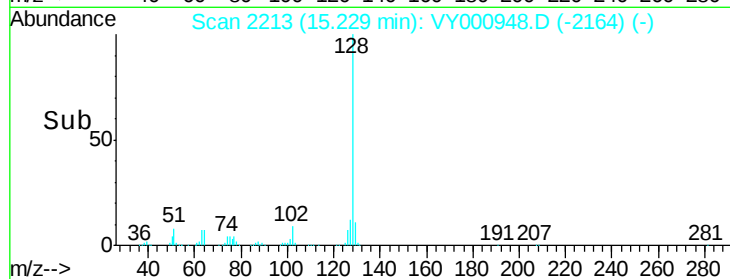
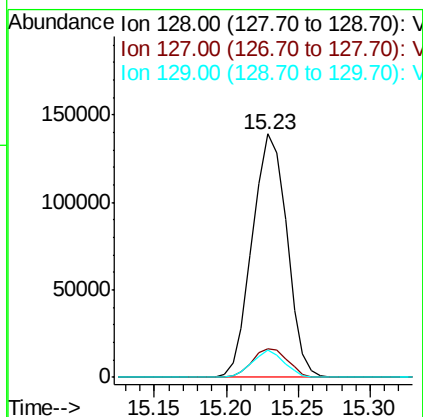
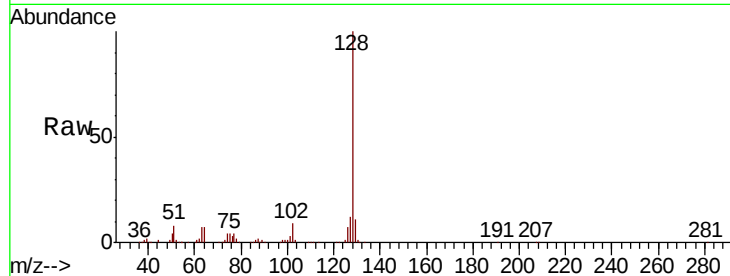




#95
Naphthalene
Concen: 22.231 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Instrument :
MSVOA_Y
ClientSampleId :
VY1216SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.262 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY000948.D
Acq: 16 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	48.0	144.0
145	32.5	16.9	50.6

