

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
 Data File : VY000897.D
 Acq On : 06 Dec 2019 13:33
 Operator : SY/MD
 Sample : VY1206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 17:22:43 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	346709	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	614881	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	548613	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248866	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	174999	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.73	113	168800	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.18	98	698767	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.48	95	241170	44.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	70031	18.764	ug/l	99
3) Chloromethane	2.11	50	82157	17.858	ug/l	98
4) Vinyl Chloride	2.25	62	82580	18.213	ug/l	95
5) Bromomethane	2.65	94	40333	13.397	ug/l	92
6) Chloroethane	2.79	64	46156	16.603	ug/l	99
7) Trichlorofluoromethane	3.13	101	125358	20.174	ug/l	96
8) Diethyl Ether	3.54	74	47878	20.472	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	77008	20.068	ug/l	99
10) Methyl Iodide	4.10	142	96574	19.989	ug/l	99
11) Tert butyl alcohol	5.00	59	32392	87.393	ug/l #	74
12) 1,1-Dichloroethene	3.87	96	79343	20.872	ug/l	92
13) Acrolein	3.74	56	38021	104.135	ug/l	95
14) Allyl chloride	4.49	41	127965	19.632	ug/l	98
15) Acrylonitrile	5.18	53	118344	97.995	ug/l	98
16) Acetone	3.96	43	78084	92.394	ug/l	95
17) Carbon Disulfide	4.19	76	241745	19.662	ug/l	99
18) Methyl Acetate	4.49	43	64578	18.275	ug/l	93
19) Methyl tert-butyl Ether	5.23	73	204764	20.169	ug/l	97
20) Methylene Chloride	4.72	84	100135	22.478	ug/l	93
21) trans-1,2-Dichloroethene	5.23	96	87276	20.199	ug/l	99
22) Diisopropyl ether	6.13	45	268532	20.044	ug/l	98
23) Vinyl Acetate	6.07	43	808112	99.222	ug/l	99
24) 1,1-Dichloroethane	6.03	63	150302	20.355	ug/l	95
25) 2-Butanone	7.00	43	141730	90.785	ug/l	98
26) 2,2-Dichloropropane	6.99	77	125782	20.240	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	95276	20.399	ug/l	98
28) Bromochloromethane	7.34	49	33711	13.965	ug/l	96
29) Tetrahydrofuran	7.36	42	95448	92.264	ug/l	98
30) Chloroform	7.52	83	142283	19.209	ug/l	95
31) Cyclohexane	7.78	56	153060	19.568	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	121273	19.827	ug/l	99
36) 1,1-Dichloropropene	7.93	75	122116	19.974	ug/l	99
37) Ethyl Acetate	7.09	43	69107	19.576	ug/l	99
38) Carbon Tetrachloride	7.91	117	106566	19.572	ug/l	96

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 Operator : SY/MD
 Sample : VY1206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 06 17:22:43 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)
39) Methylcyclohexane	9.19	83	155341	19.178	ug/l	98
40) Benzene	8.17	78	352562	19.798	ug/l	100
41) Methacrylonitrile	7.32	41	28093	15.099	ug/l #	66
42) 1,2-Dichloroethane	8.24	62	89029	19.009	ug/l	100
43) Isopropyl Acetate	8.28	43	123791	18.608	ug/l	99
44) Trichloroethene	8.94	130	92385	20.186	ug/l	89
45) 1,2-Dichloropropane	9.22	63	89798	20.075	ug/l	96
46) Dibromomethane	9.31	93	46716	19.988	ug/l	99
47) Bromodichloromethane	9.50	83	107029	19.494	ug/l	99
48) Methyl methacrylate	9.30	41	53626	18.332	ug/l	96
49) 1,4-Dioxane	9.32	88	12920	390.143	ug/l #	78
51) 4-Methyl-2-Pentanone	10.07	43	327060	95.153	ug/l	99
52) Toluene	10.24	92	217239	19.702	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	115972	19.661	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	137772	19.760	ug/l	94
55) 1,1,2-Trichloroethane	10.64	97	67154	19.448	ug/l	99
56) Ethyl methacrylate	10.51	69	98516	19.944	ug/l	98
57) 1,3-Dichloropropane	10.79	76	121070	20.117	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	193762	97.283	ug/l	98
59) 2-Hexanone	10.83	43	222630	88.888	ug/l	99
60) Dibromochloromethane	10.98	129	72077	19.390	ug/l	100
61) 1,2-Dibromoethane	11.09	107	67056	20.606	ug/l	96
64) Tetrachloroethene	10.72	164	98534	20.672	ug/l	97
65) Chlorobenzene	11.51	112	225937	19.813	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.59	131	75560	19.661	ug/l	97
67) Ethyl Benzene	11.59	91	421373	19.840	ug/l	99
68) m/p-Xylenes	11.70	106	310564	38.959	ug/l	99
69) o-Xylene	12.03	106	145227	19.539	ug/l	98
70) Styrene	12.04	104	250489	19.682	ug/l	99
71) Bromoform	12.20	173	41563	19.175	ug/l #	98
73) Isopropylbenzene	12.33	105	396668	20.018	ug/l	99
74) N-amyl acetate	12.14	43	106497	19.309	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	75343	19.297	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	105806	37.525	ug/l #	100
77) Bromobenzene	12.61	156	86318	20.096	ug/l	98
78) n-propylbenzene	12.67	91	484814	20.038	ug/l	100
79) 2-Chlorotoluene	12.75	91	265254	19.845	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	326386	19.894	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.37	75	27969	19.485	ug/l	97
82) 4-Chlorotoluene	12.85	91	278230	20.204	ug/l	100
83) tert-Butylbenzene	13.07	119	267777	19.413	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	326391	19.884	ug/l	99
85) sec-Butylbenzene	13.25	105	409426	20.409	ug/l	99
86) p-Isopropyltoluene	13.36	119	350753	20.102	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	170366	20.219	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	169148	20.274	ug/l	99
89) n-Butylbenzene	13.69	91	354091	20.071	ug/l	100
90) Hexachloroethane	13.95	117	64731	20.139	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	154108	20.333	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	13058	19.977	ug/l	93

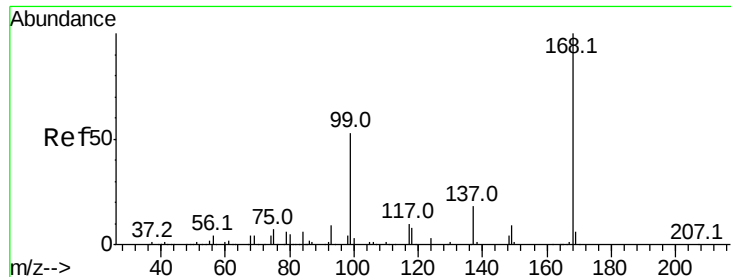
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY120619\
Data File : VY000897.D
Acq On : 06 Dec 2019 13:33
Operator : SY/MD
Sample : VY1206SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Dec 06 17:22:43 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	105201	20.513	ug/l	99
94) Hexachlorobutadiene	15.11	225	53207	20.925	ug/l	99
95) Naphthalene	15.23	128	245127	20.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	93510	20.413	ug/l	100

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

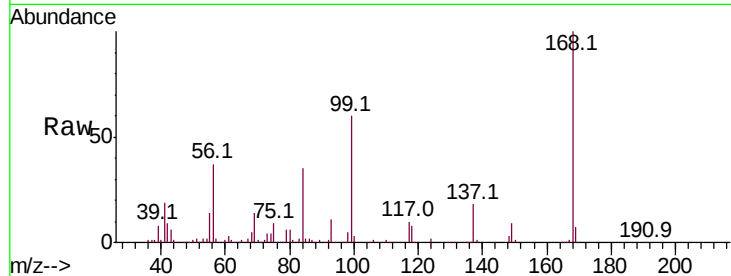


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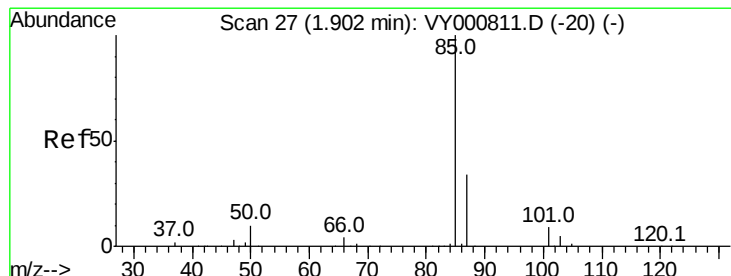
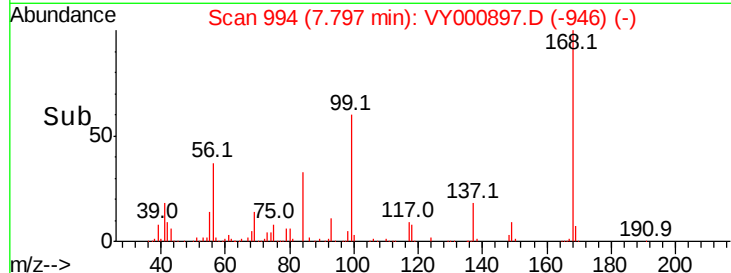
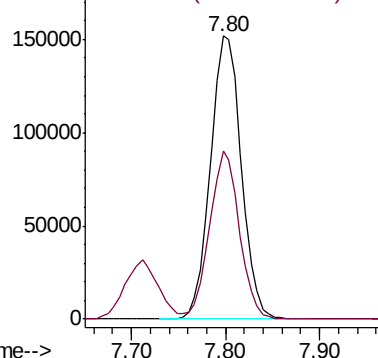
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampled :

Tot Ion:168 Resp: 346709
 Ion Ratio Lower Upper
 168 100
 99 59.5 45.0 67.6



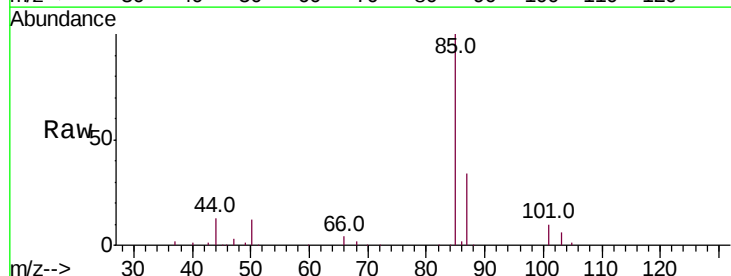
Abundance Ion 167.90 (167.60 to 168.60): VY000897.D (-946) (-)
 Ion 98.90 (98.60 to 99.60): VY000897.D (-946) (-)



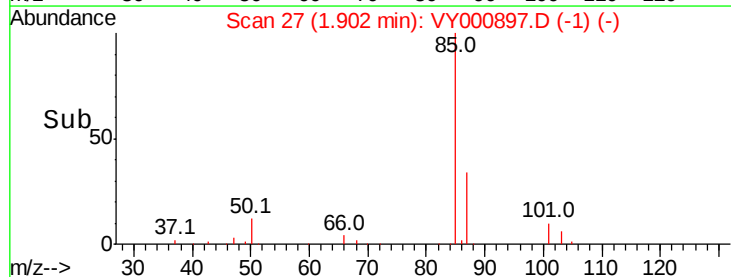
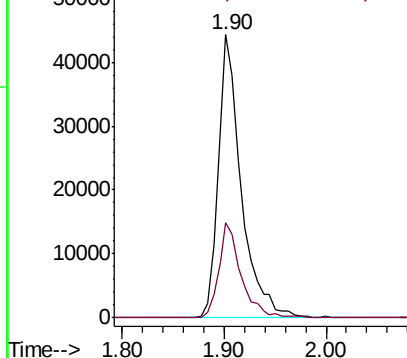
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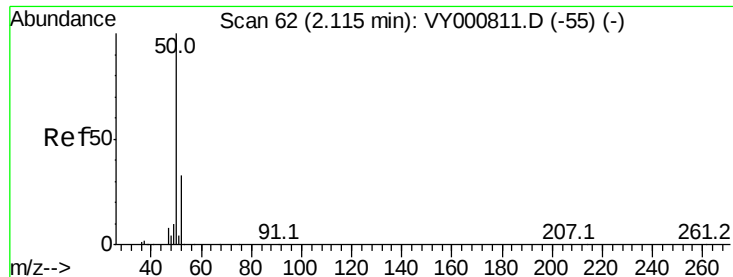
Dichlorodifluoromethane
 Concen: 18.764 ug/l
 RT: 1.90 min Scan# 27
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 85 Resp: 70031
 Ion Ratio Lower Upper
 85 100
 87 33.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000897.D (-1) (-)
 Ion 86.90 (86.60 to 87.60): VY000897.D (-1) (-)





#3

Chloromethane

Concen: 17.858 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

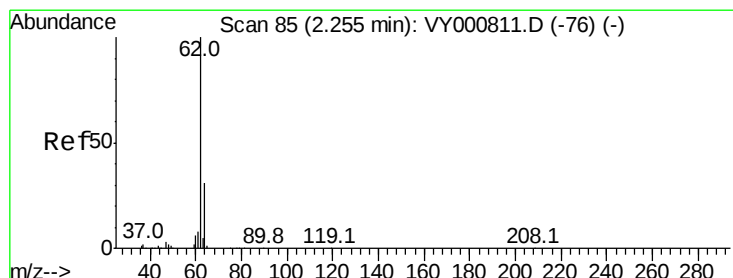
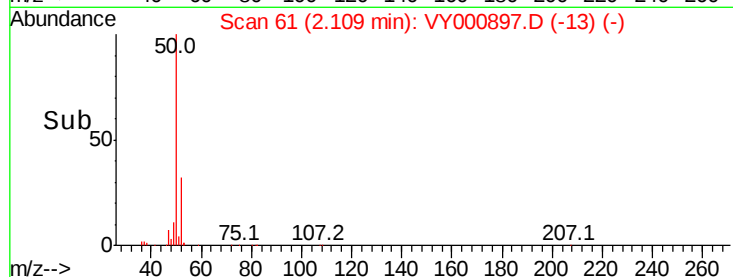
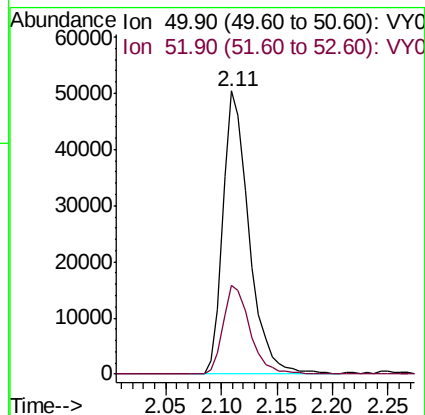
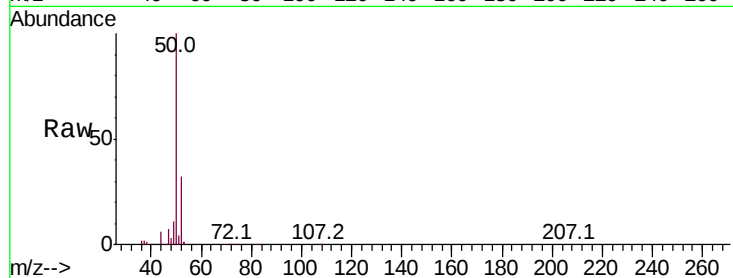
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 82157

Ion Ratio Lower Upper

50 100

52 31.6 26.0 39.0



#4

Vinyl Chloride

Concen: 18.213 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000897.D

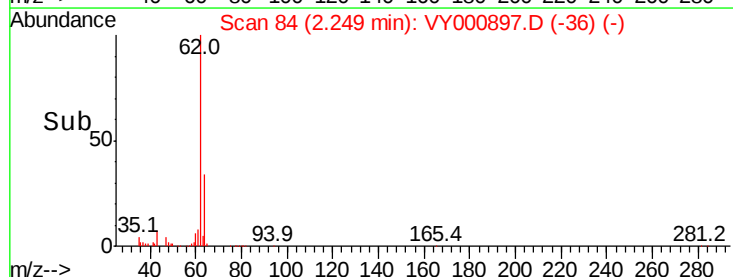
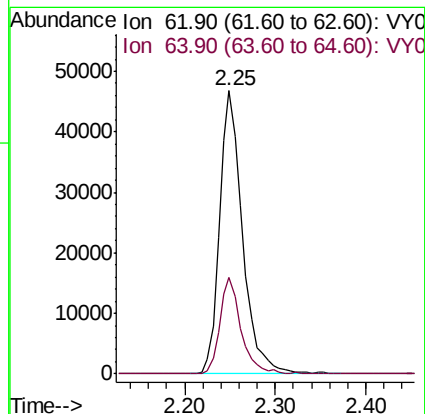
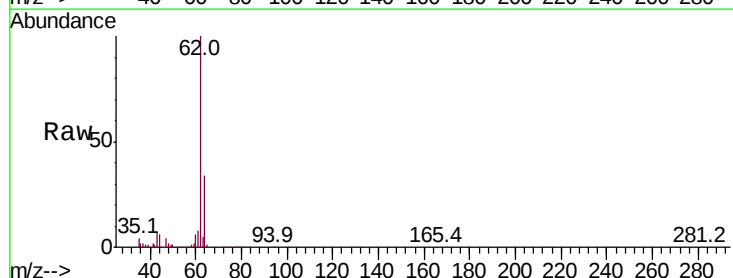
Acq: 06 Dec 2019 13:33

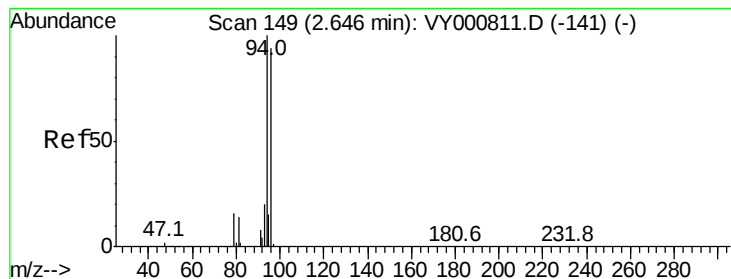
Tgt Ion: 62 Resp: 82580

Ion Ratio Lower Upper

62 100

64 34.0 25.1 37.7





#5

Bromomethane

Concen: 13.397 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

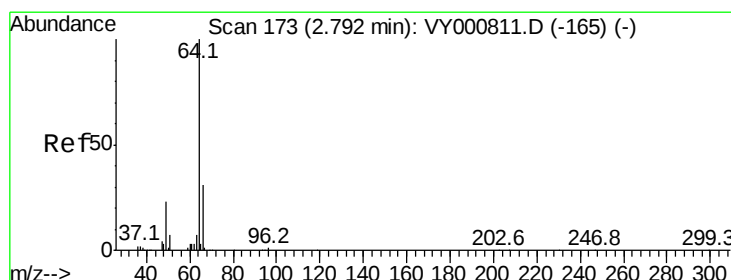
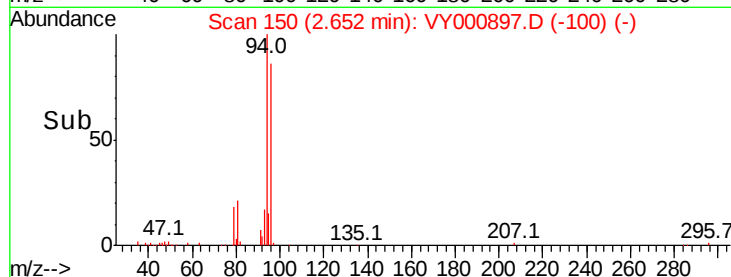
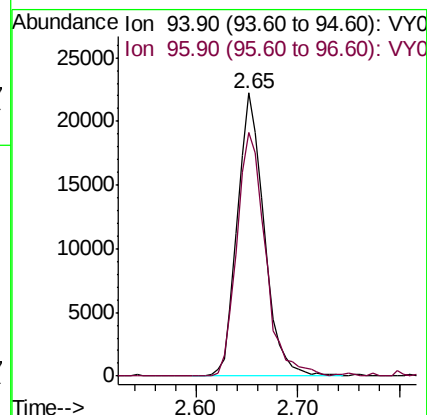
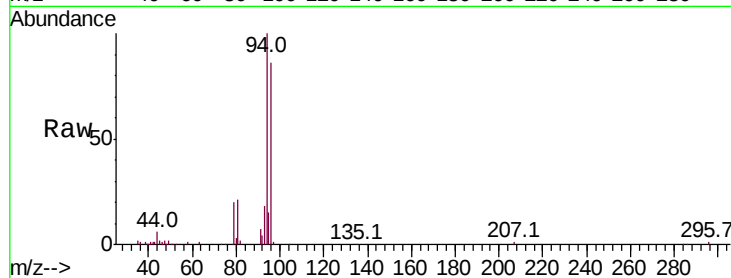
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 94 Resp: 40333

Ion Ratio Lower Upper

94 100

96 86.3 75.2 112.8



#6

Chloroethane

Concen: 16.603 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000897.D

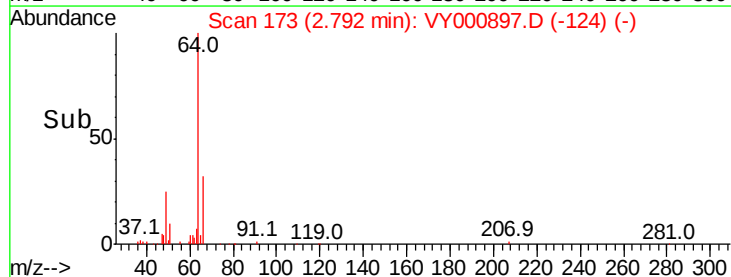
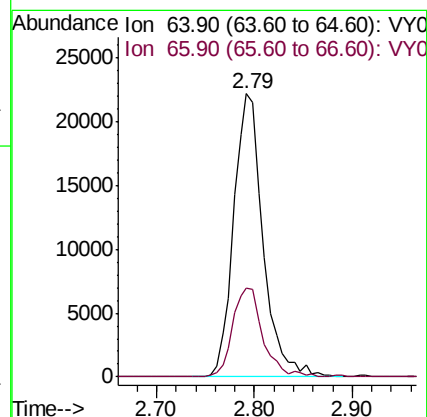
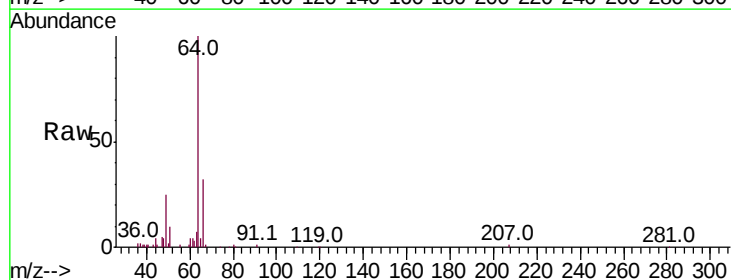
Acq: 06 Dec 2019 13:33

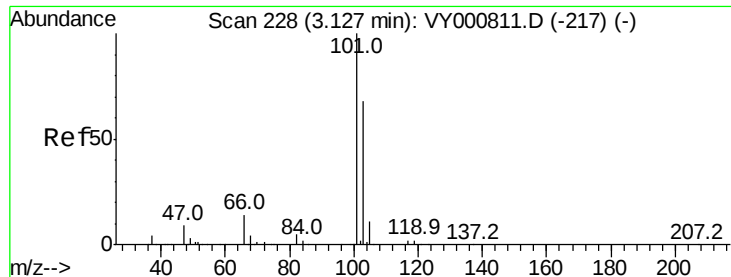
Tgt Ion: 64 Resp: 46156

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.4



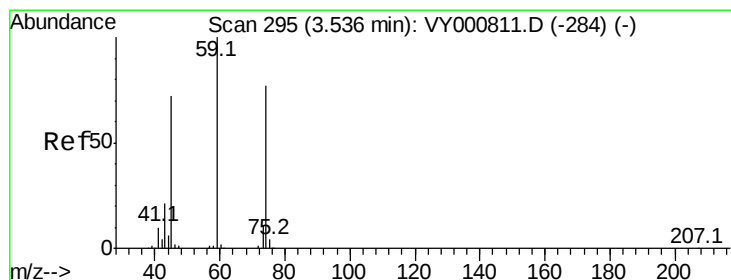
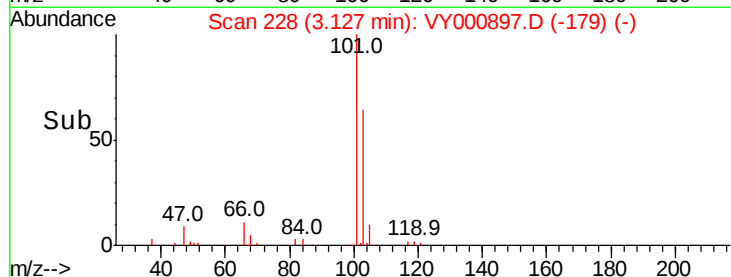
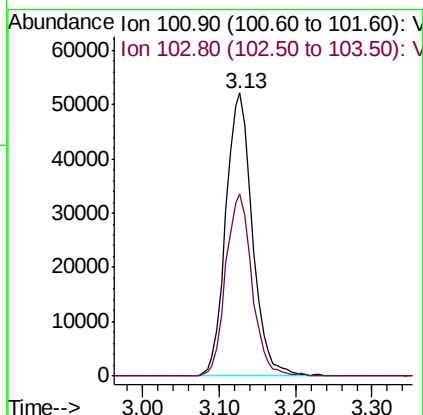
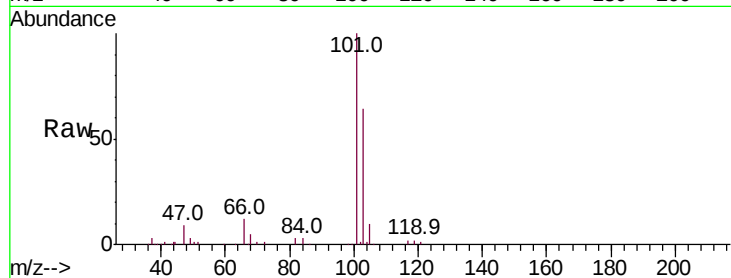


#7

Trichlorofluoromethane
Concen: 20.174 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

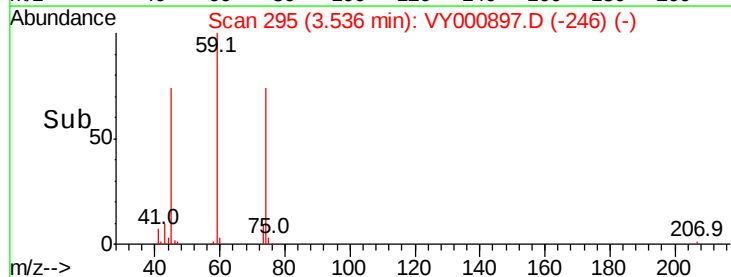
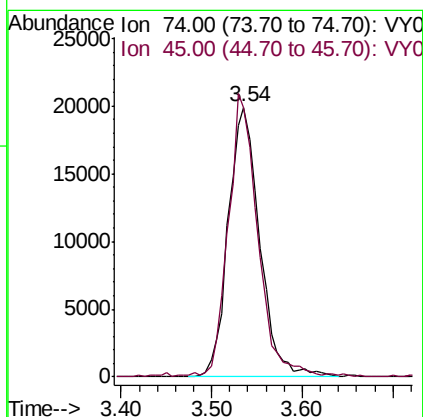
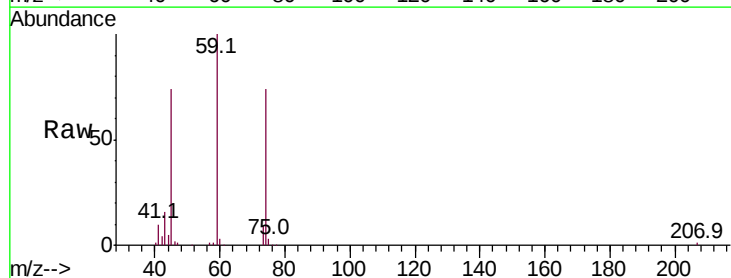
Tot Ion:101 Resp: 125358
Ion Ratio Lower Upper
101 100
103 64.2 54.2 81.2

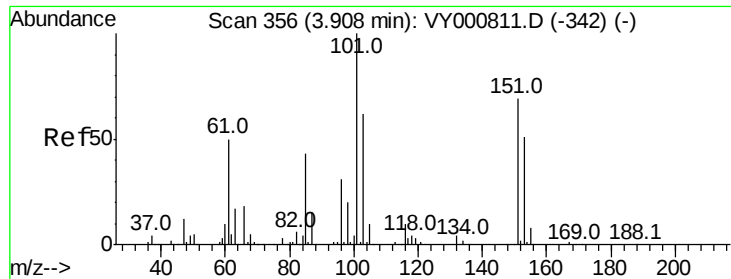


#8

Diethyl Ether
Concen: 20.472 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 74 Resp: 47878
Ion Ratio Lower Upper
74 100
45 96.3 49.0 147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.068 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

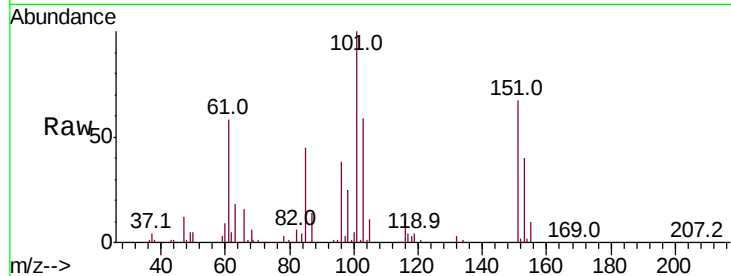
Tot Ion:101 Resp: 77008

Ion Ratio Lower Upper

101 100

85 43.7 36.0 54.0

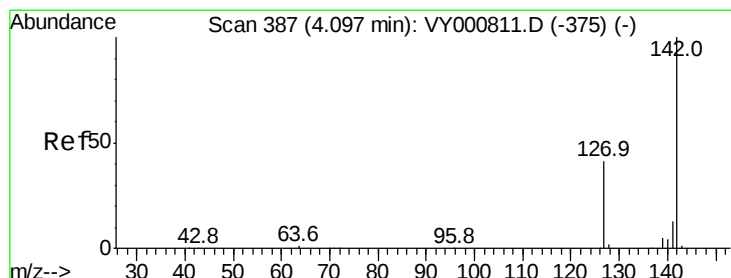
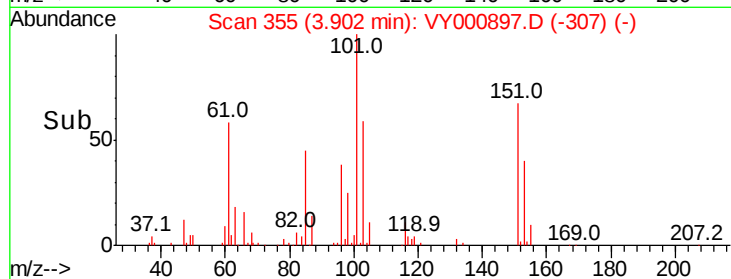
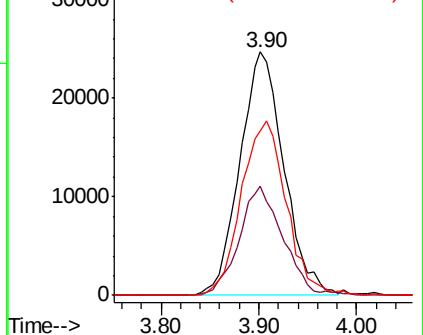
151 73.3 58.2 87.2



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: 19.989 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

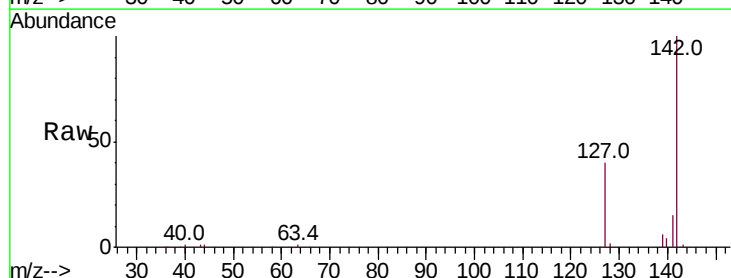
Tgt Ion:142 Resp: 96574

Ion Ratio Lower Upper

142 100

127 42.1 33.8 50.8

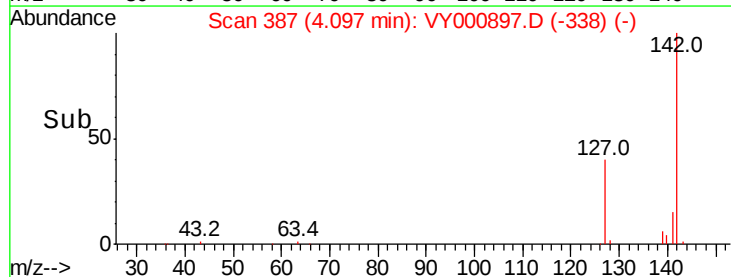
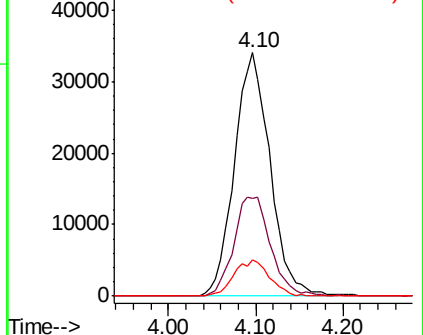
141 14.7 10.9 16.3

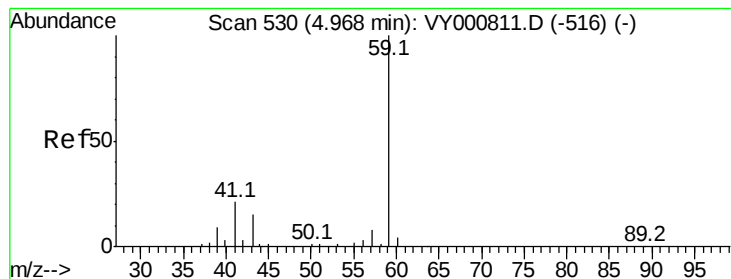


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



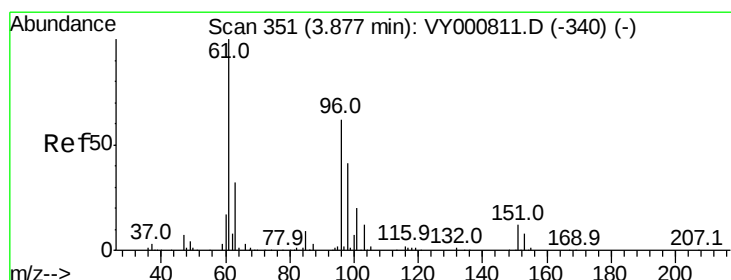
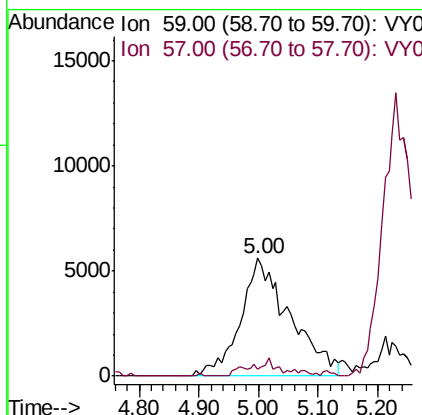
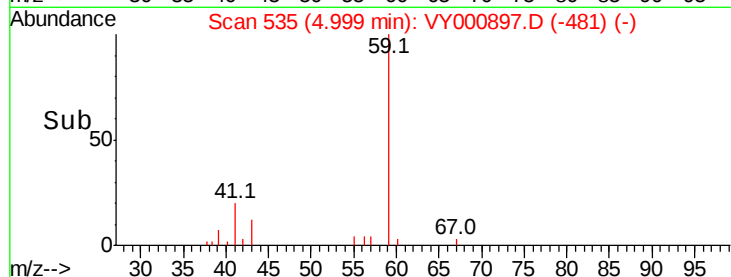
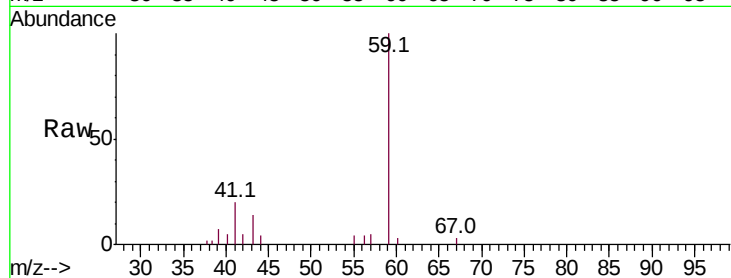


#11

Tert butyl alcohol
 Concen: 87.393 ug/l
 RT: 5.00 min Scan# 535
 Delta R.T. 0.03 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampled :

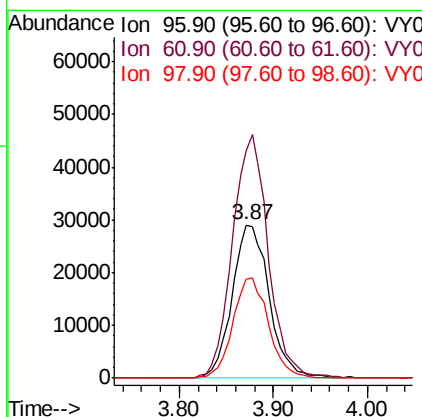
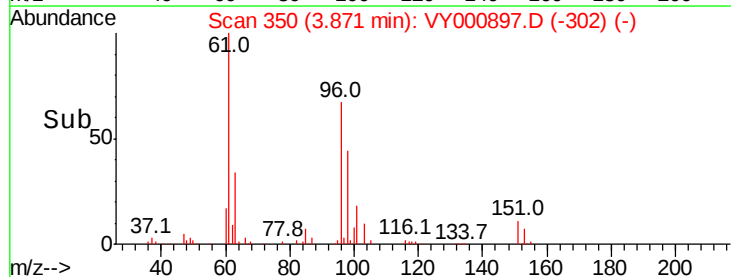
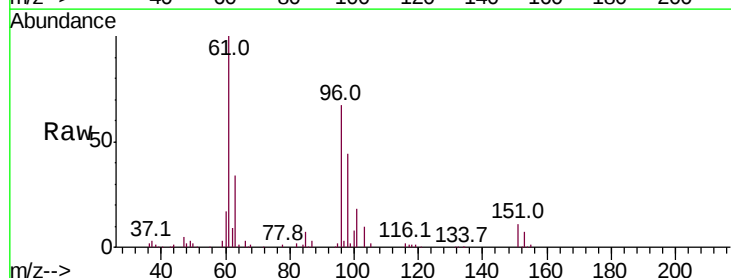
Tot Ion: 59 Resp: 32392
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

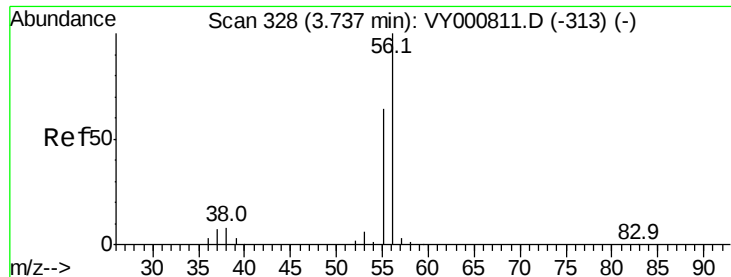


#12

1,1-Dichloroethene
 Concen: 20.872 ug/l
 RT: 3.87 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 96 Resp: 79343
 Ion Ratio Lower Upper
 96 100
 61 148.7 129.4 194.2
 98 64.7 53.4 80.0





#13

Acrolein

Concen: 104.135 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

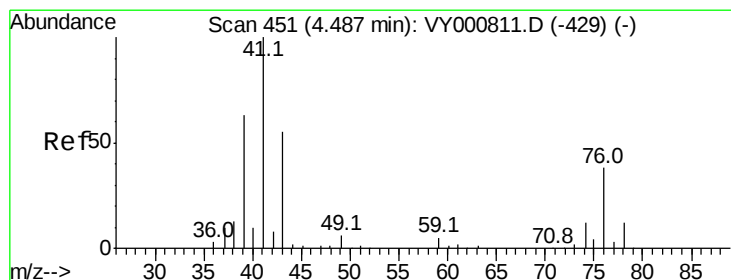
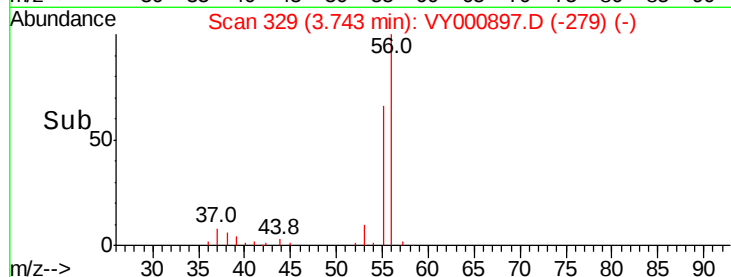
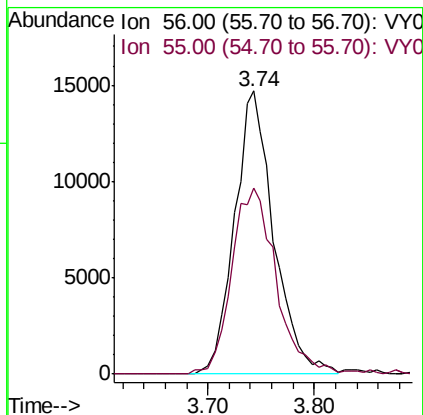
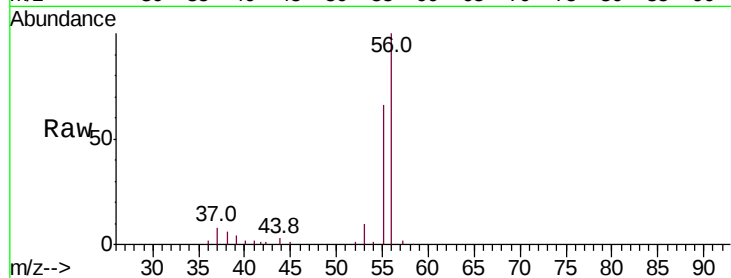
ClientSampleId :

Tot Ion: 56 Resp: 38021

Ion Ratio Lower Upper

56 100

55 74.0 55.7 83.5



#14

Allyl chloride

Concen: 19.632 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

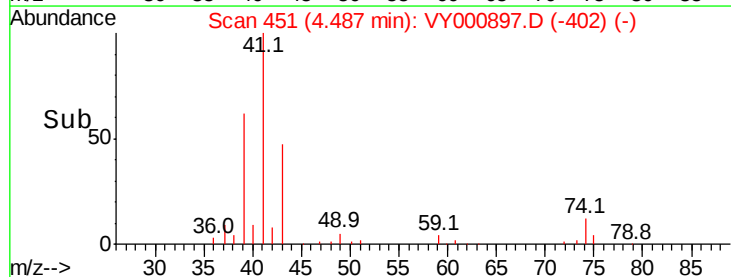
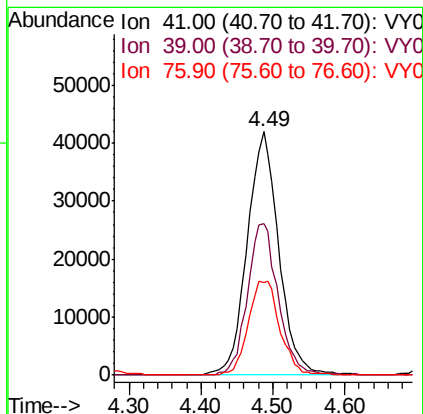
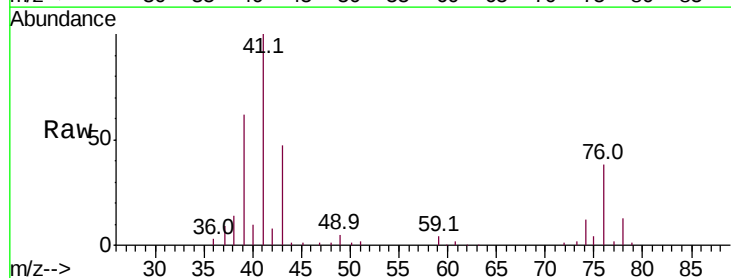
Tgt Ion: 41 Resp: 127965

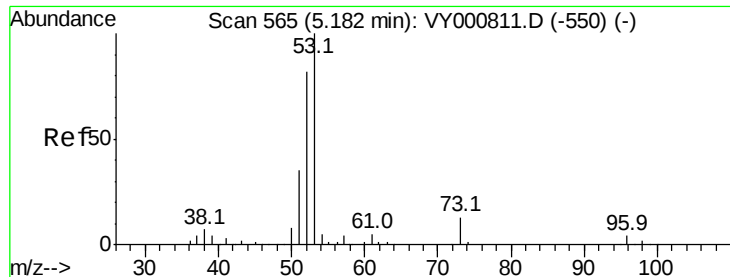
Ion Ratio Lower Upper

41 100

39 60.5 49.2 73.8

76 38.7 29.2 43.8





#15

Acrylonitrile

Concen: 97.995 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

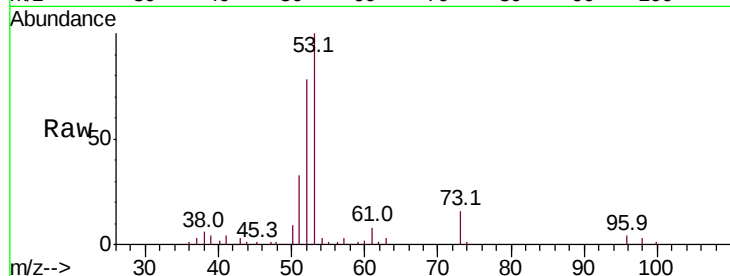
Tot Ion: 53 Resp: 118344

Ion Ratio Lower Upper

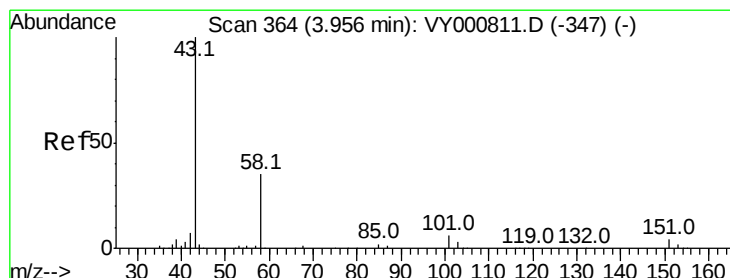
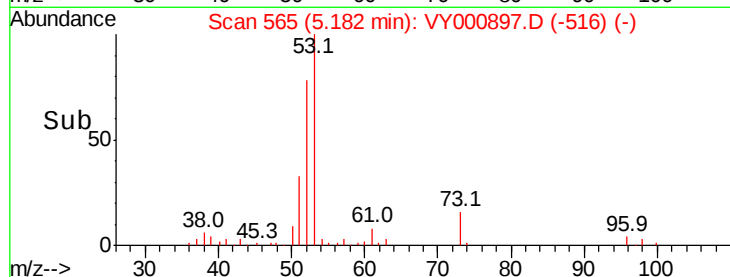
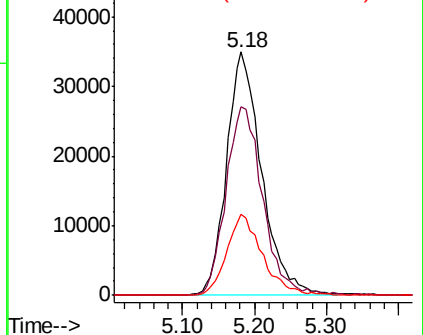
53 100

52 80.7 65.1 97.7

51 33.4 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: 92.394 ug/l

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VY000897.D

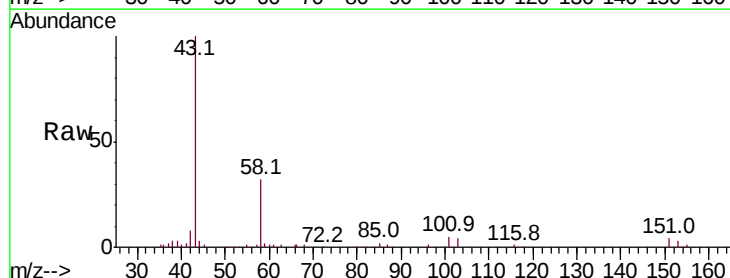
Acq: 06 Dec 2019 13:33

Tgt Ion: 43 Resp: 78084

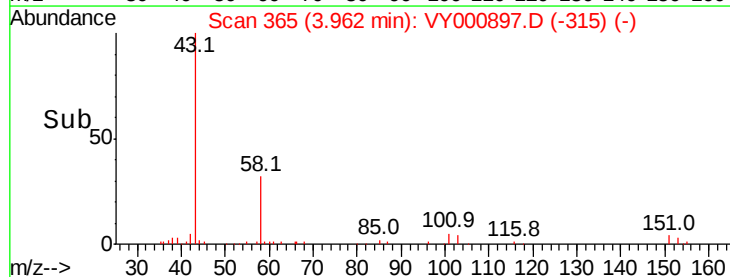
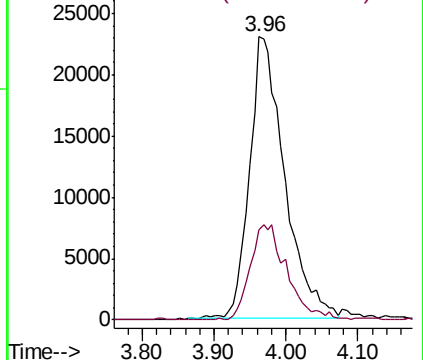
Ion Ratio Lower Upper

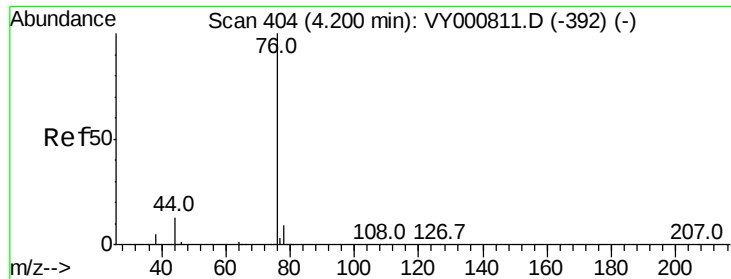
43 100

58 32.0 28.0 42.0



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

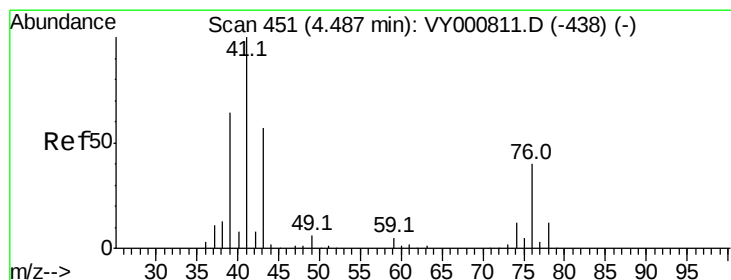
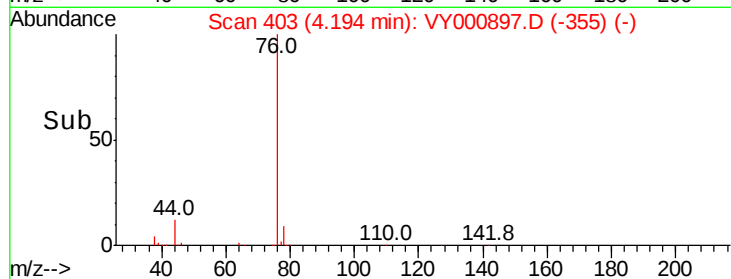
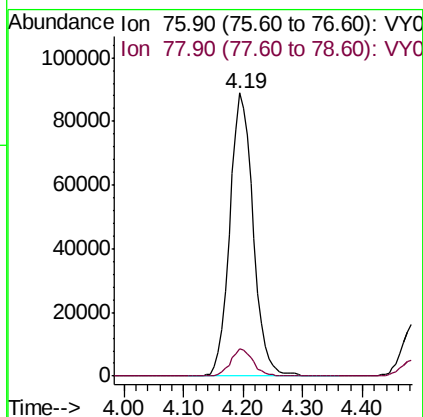
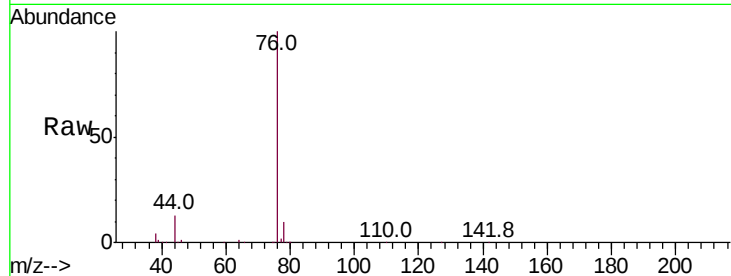




#17
Carbon Disulfide
Concen: 19.662 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

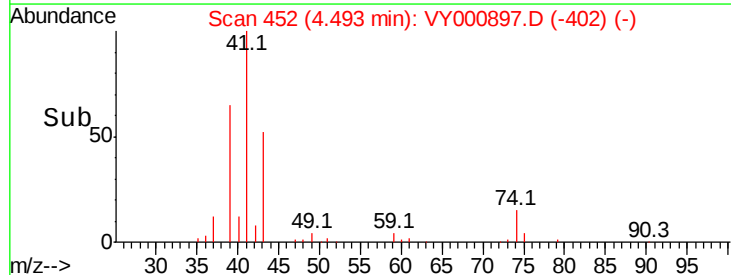
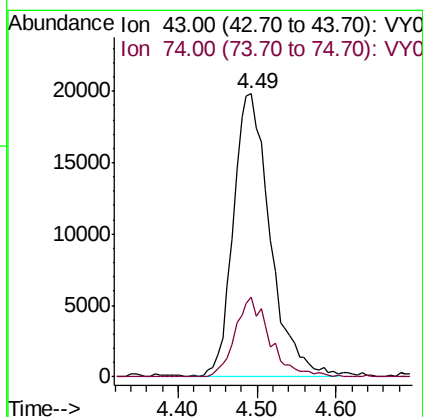
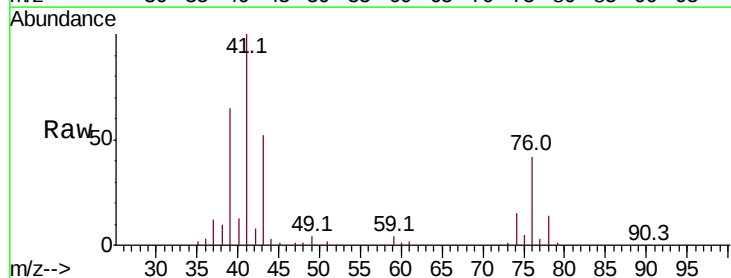
Instrument :
MSVOA_Y
ClientSampleId :

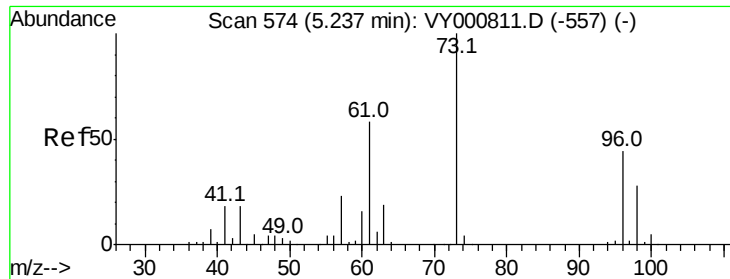
Tot Ion: 76 Resp: 241745
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#18
Methyl Acetate
Concen: 18.275 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 43 Resp: 64578
Ion Ratio Lower Upper
43 100
74 26.4 18.5 27.7

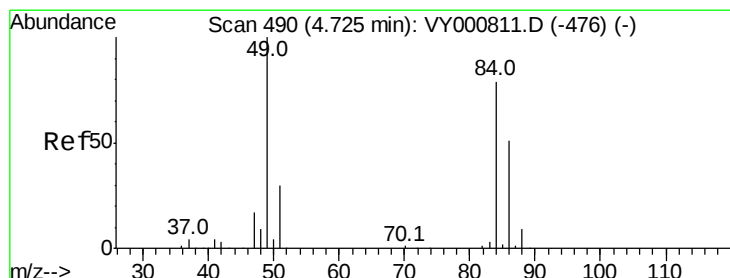
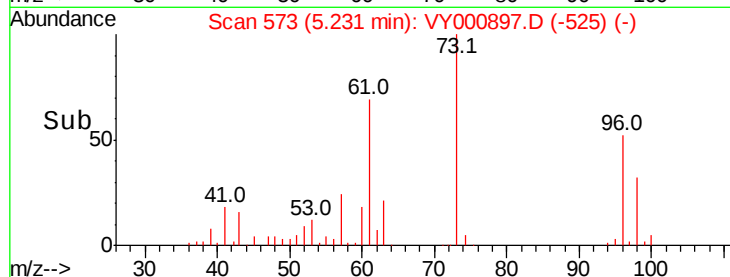
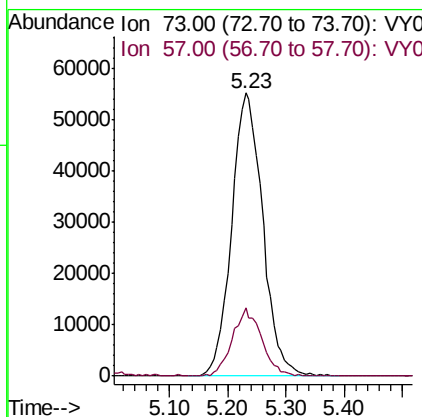
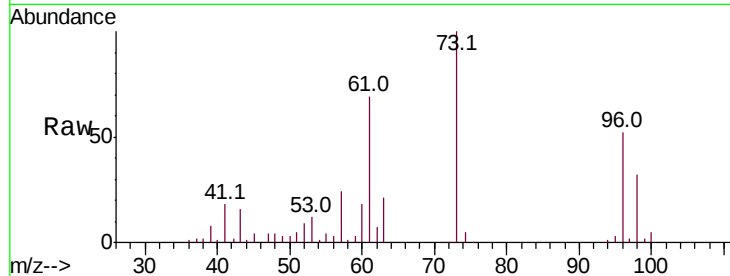




#19
Methvl tert-butvl Ether
Concen: 20.169 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

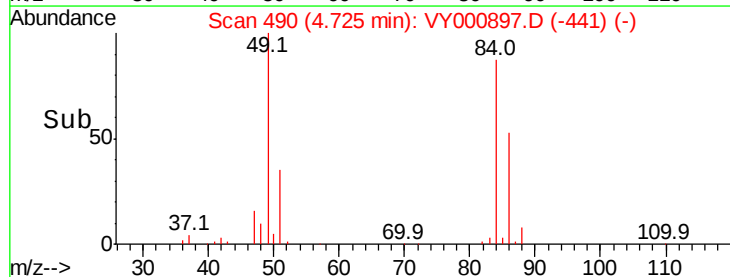
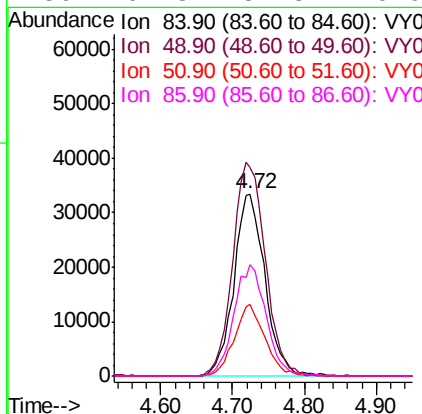
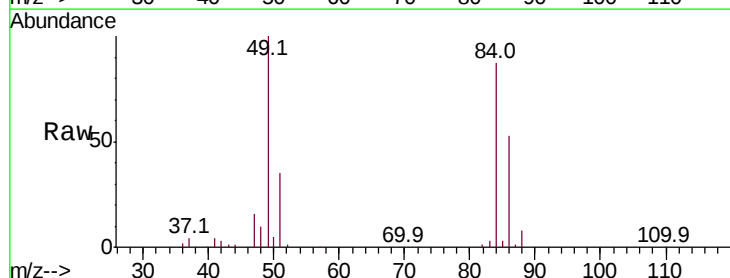
Instrument :
MSVOA_Y
ClientSampleId :

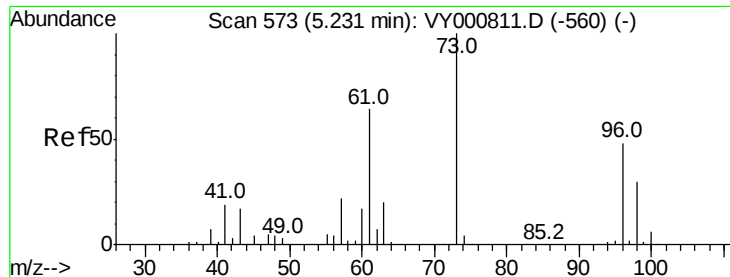
Tot Ion: 73 Resp: 204764
Ion Ratio Lower Upper
73 100
57 24.3 18.2 27.4



#20
Methylene Chloride
Concen: 22.478 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 84 Resp: 100135
Ion Ratio Lower Upper
84 100
49 114.6 101.3 151.9
51 39.6 30.6 45.8
86 61.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 20.199 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

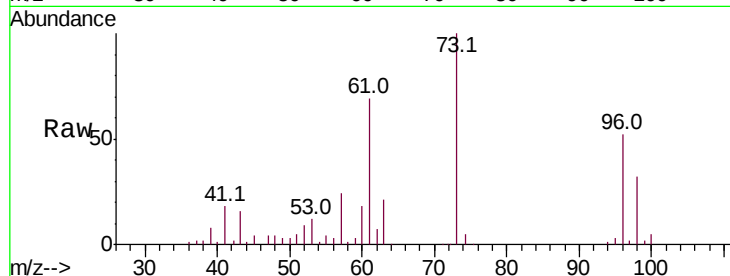
Tot Ion: 96 Resp: 87276

Ion Ratio Lower Upper

96 100

61 133.4 105.9 158.9

98 62.1 49.4 74.2

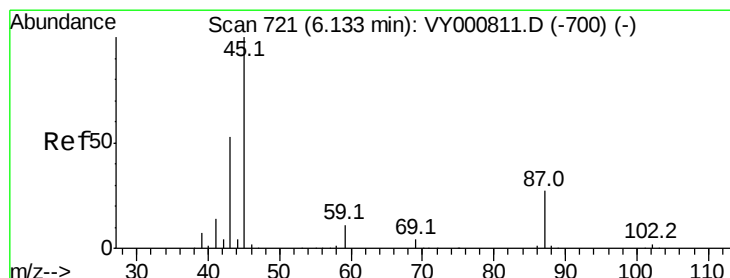
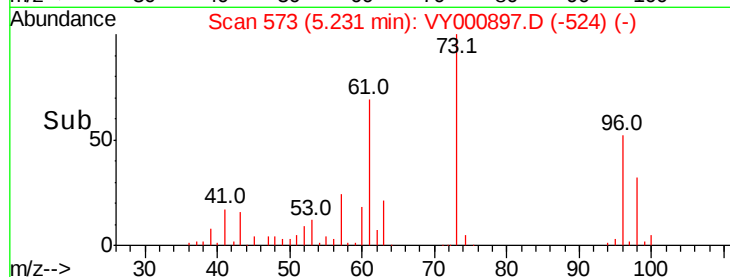
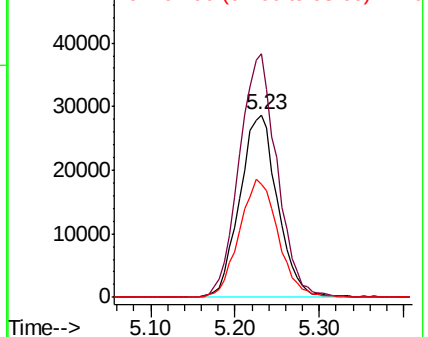


Abundance

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: 20.044 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Tgt Ion: 45 Resp: 268532

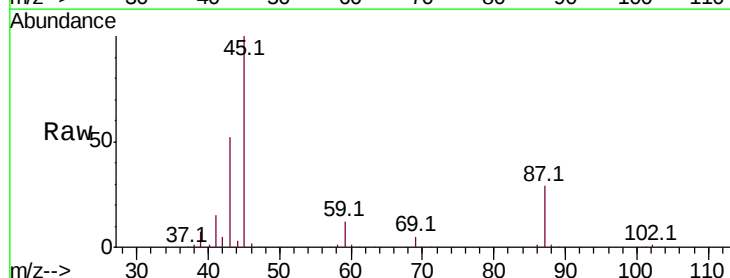
Ion Ratio Lower Upper

45 100

43 52.2 42.7 64.1

87 28.8 22.0 33.0

59 11.7 8.9 13.3



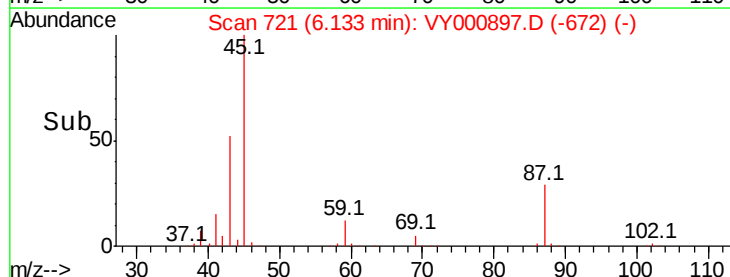
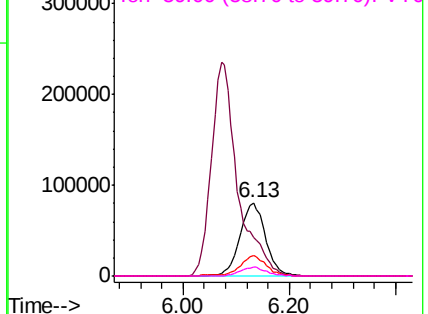
Abundance

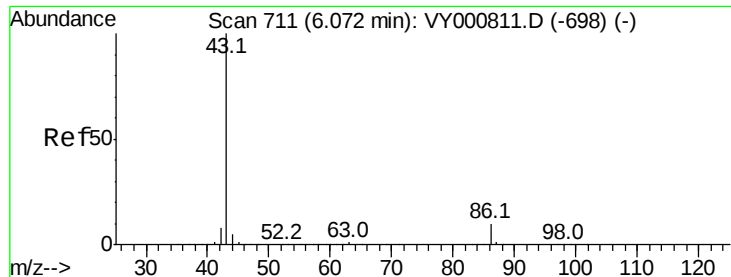
Ion 45.00 (44.70 to 45.70): VY0

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: 99.222 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

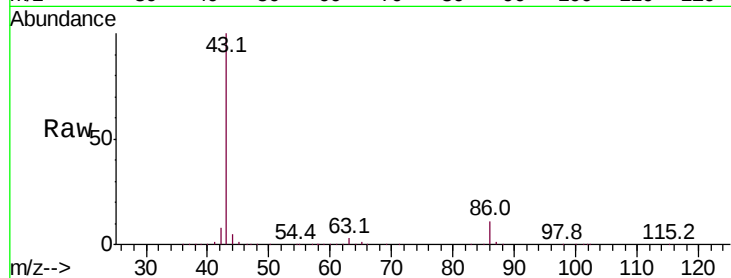
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 43 Resp: 808112

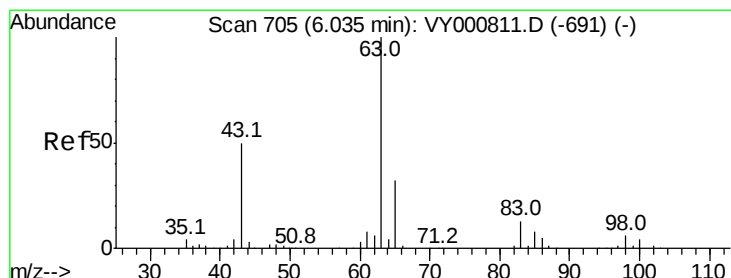
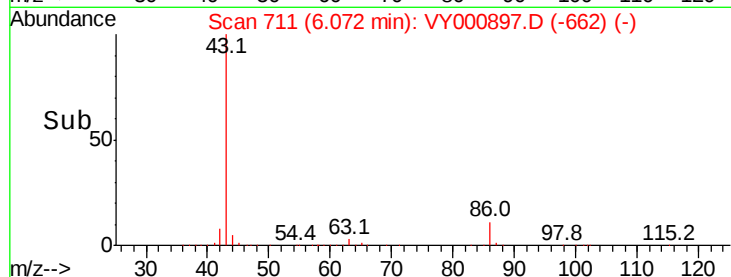
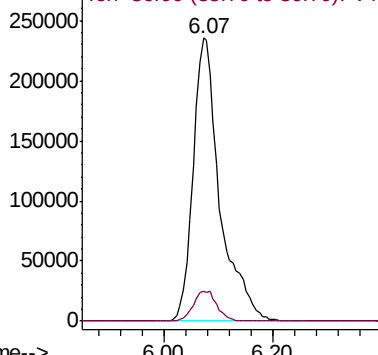
Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.355 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

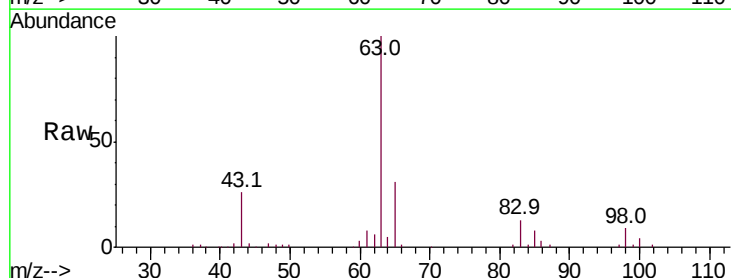
Tgt Ion: 63 Resp: 150302

Ion Ratio Lower Upper

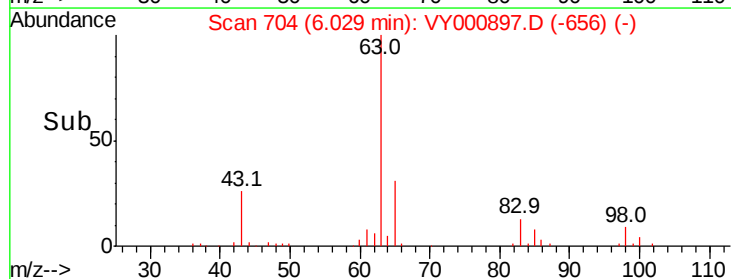
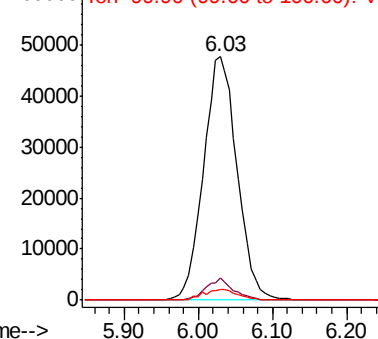
63 100

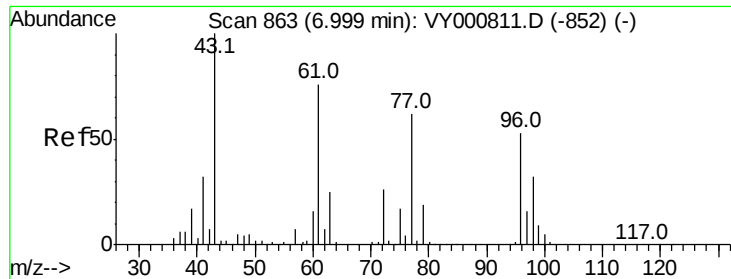
98 9.3 3.3 9.8

100 4.3 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





#25

2-Butanone

Concen: 90.785 ug/l

RT: 7.00 min Scan# 864

Delta R.T. 0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

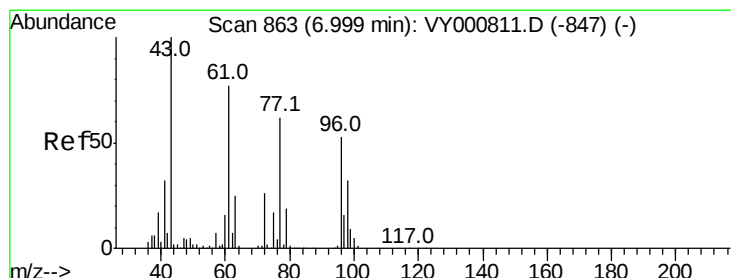
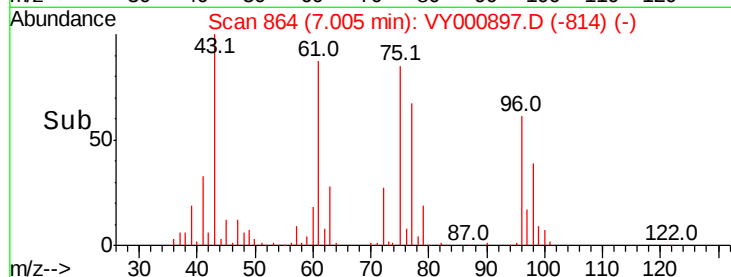
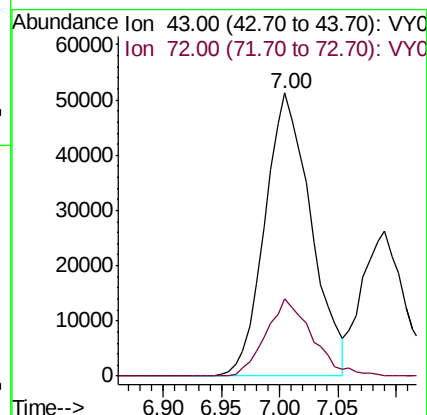
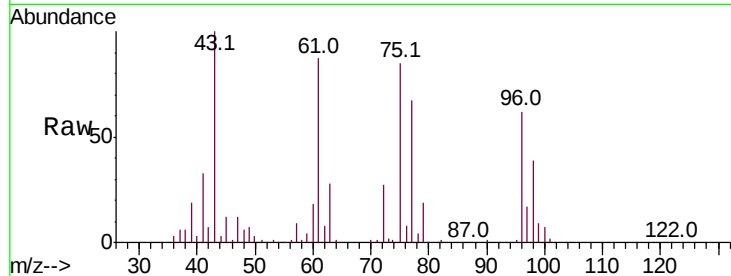
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion: 43 Resp: 141730

Ion Ratio Lower Upper

43 100

72 27.3 21.0 31.4



#26

2,2-Dichloropropane

Concen: 20.240 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000897.D

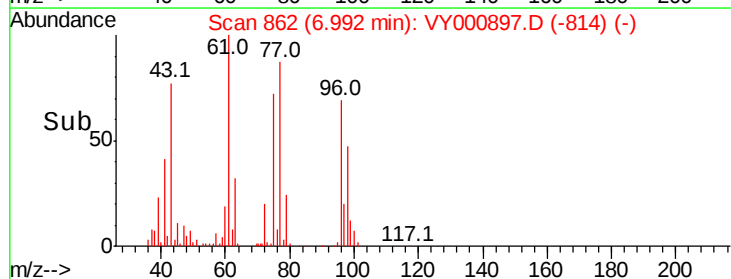
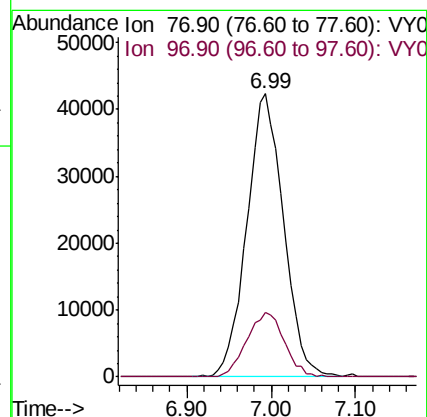
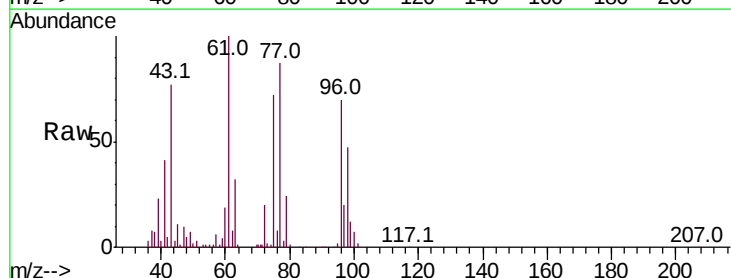
Acq: 06 Dec 2019 13:33

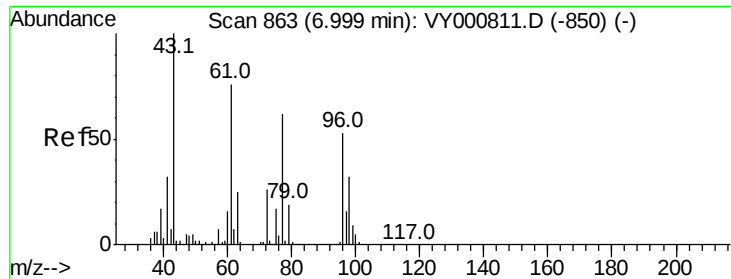
Tgt Ion: 77 Resp: 125782

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 20.399 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

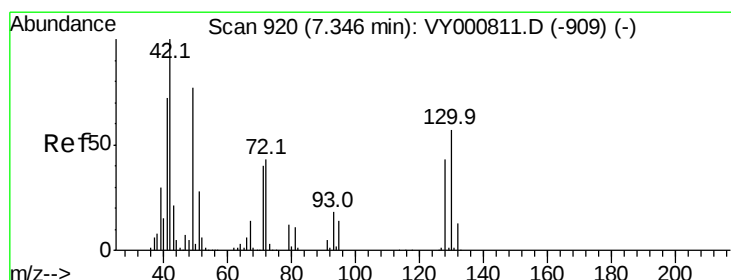
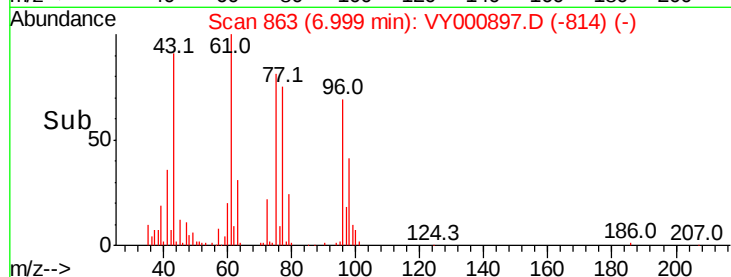
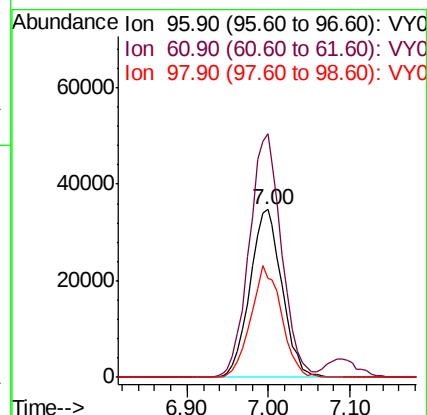
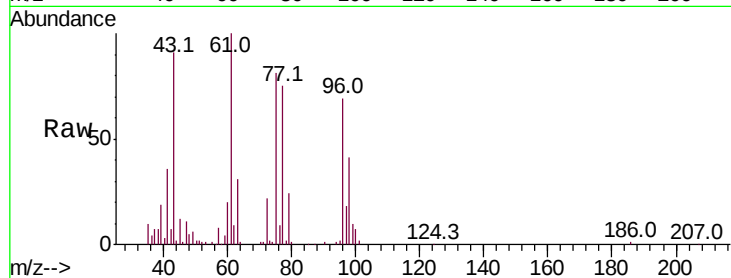
Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 96 Resp: 95276

Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	285.0
98	63.5	0.0	128.0



#28

Bromochloromethane

Concen: 13.965 ug/l

RT: 7.34 min Scan# 919

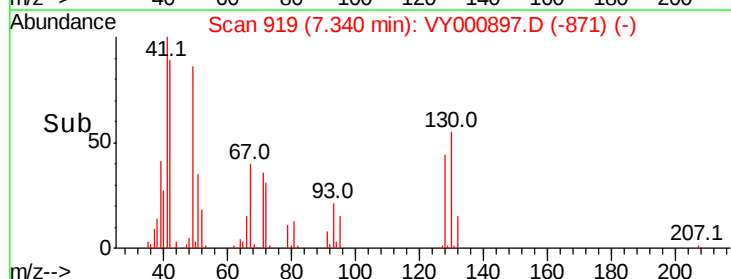
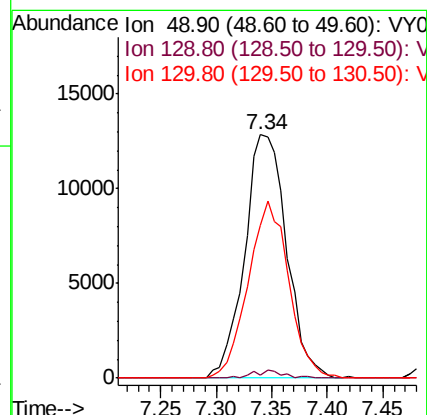
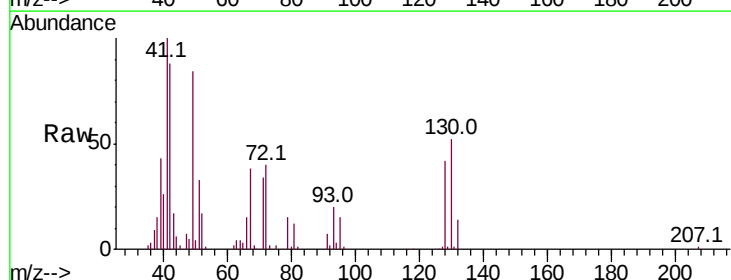
Delta R.T. -0.01 min

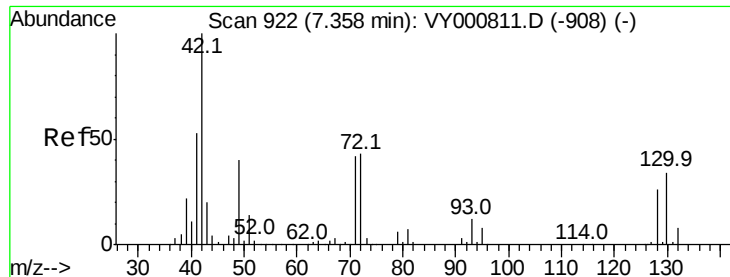
Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Tgt Ion: 49 Resp: 33711

Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	3.8
130	70.3	58.7	88.1

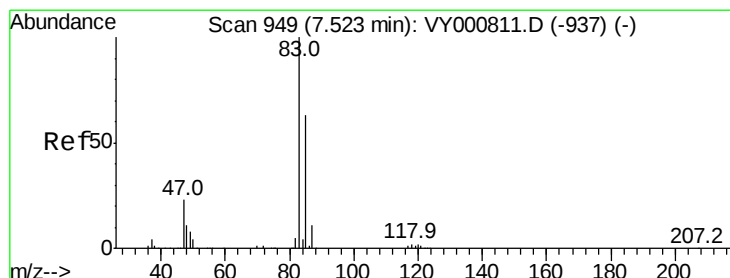
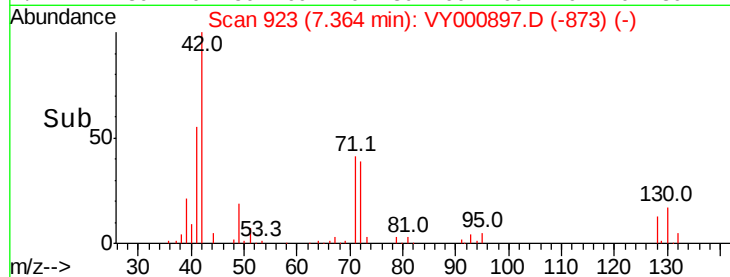
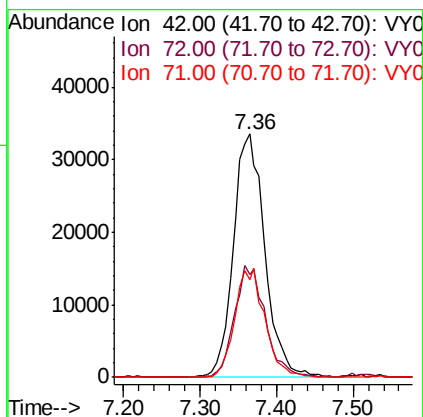
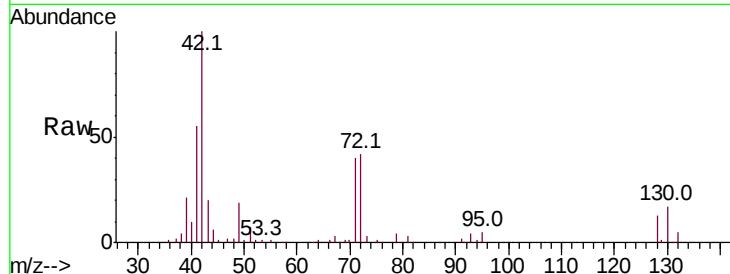




#29
Tetrahydrofuran
Concen: 92.264 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

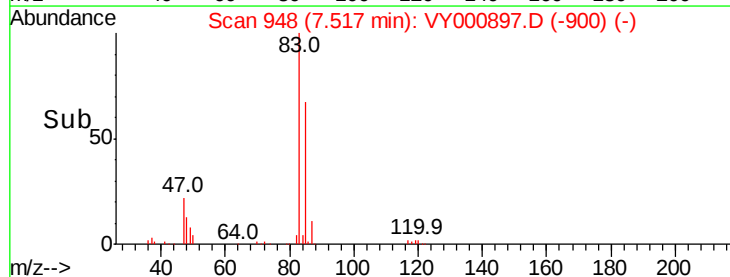
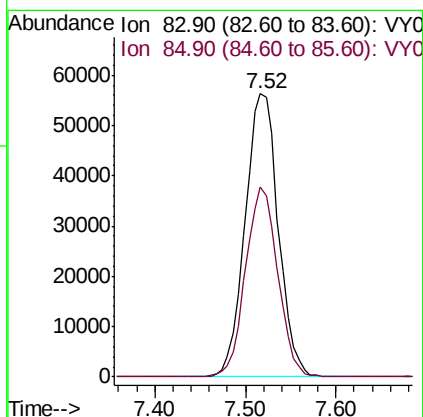
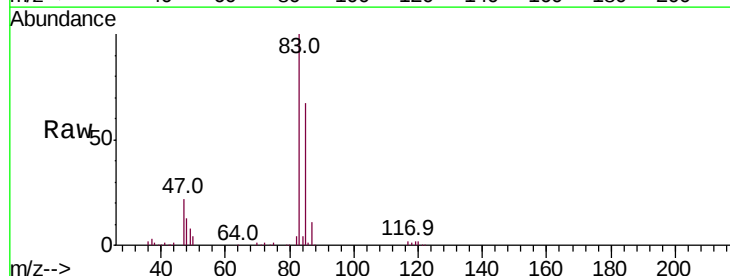
Instrument :
MSVOA_Y
ClientSampleId :

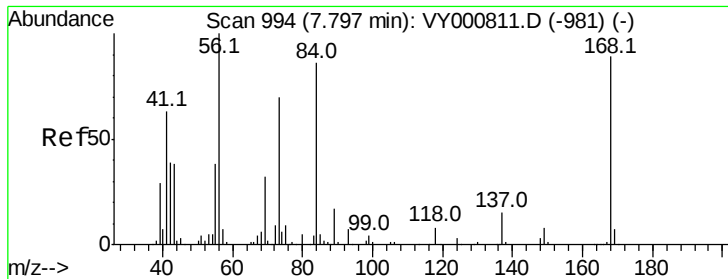
Tot Ion: 42 Resp: 95448
Ion Ratio Lower Upper
42 100
72 45.0 35.1 52.7
71 42.8 32.8 49.2



#30
Chloroform
Concen: 19.209 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 83 Resp: 142283
Ion Ratio Lower Upper
83 100
85 67.1 50.4 75.6





#31

Cyclohexane

Concen: 19.568 ug/l

RT: 7.78 min Scan# 992

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

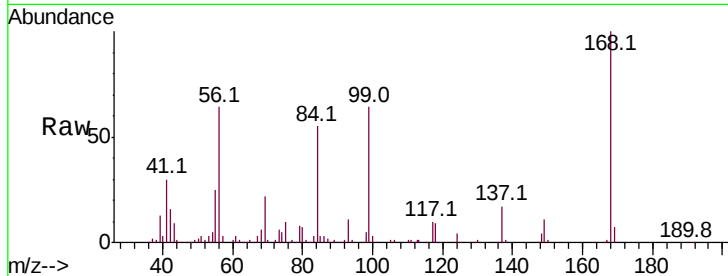
Tot Ion: 56 Resp: 153060

Ion Ratio Lower Upper

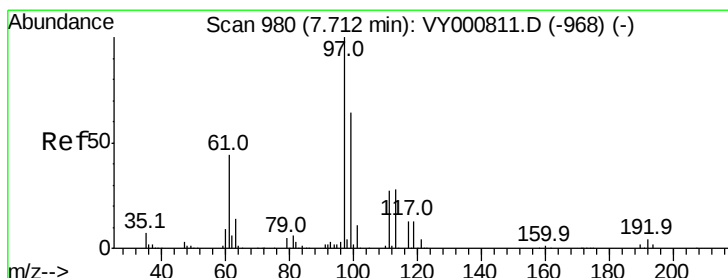
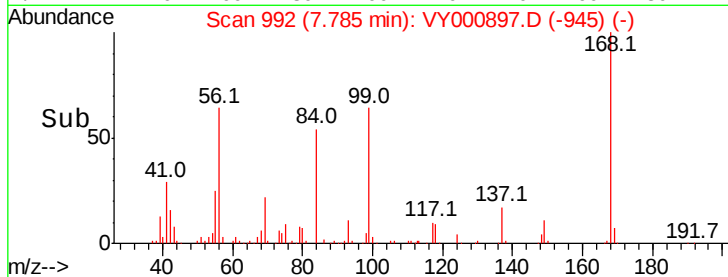
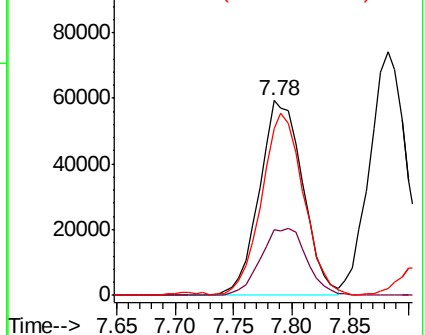
56 100

69 34.0 25.9 38.9

84 84.8 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: 19.827 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

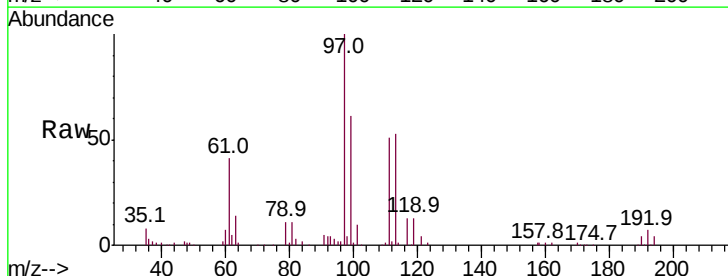
Tgt Ion: 97 Resp: 121273

Ion Ratio Lower Upper

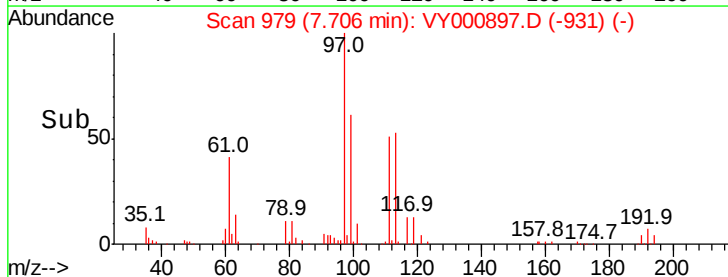
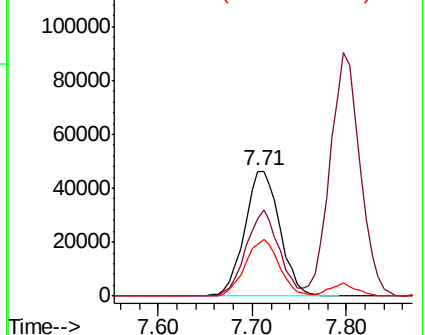
97 100

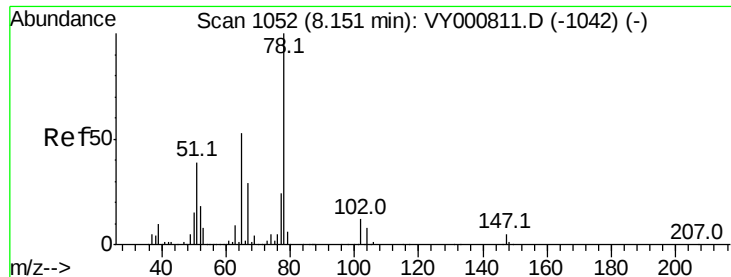
99 64.0 51.7 77.5

61 43.9 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

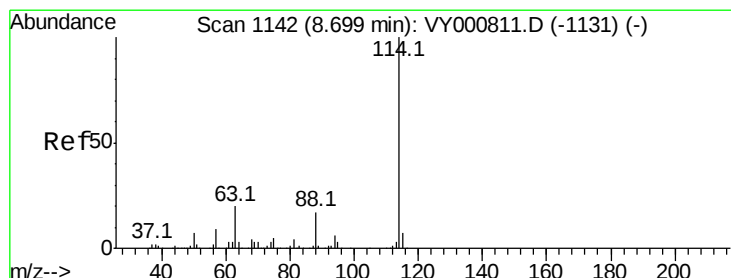
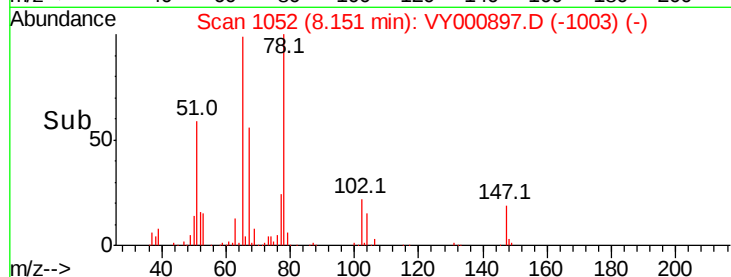
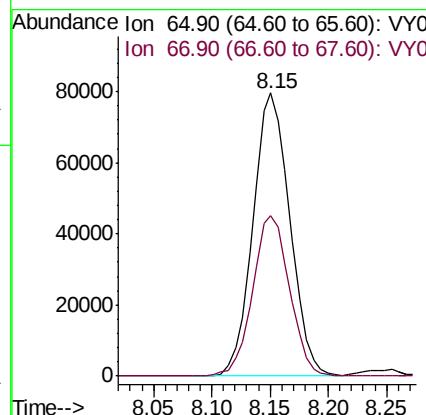
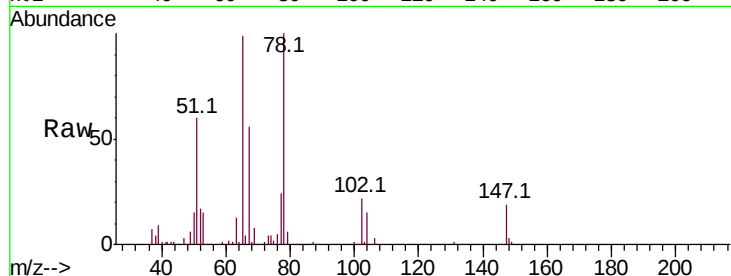




#33
 1,2-Dichloroethane-d4
 Concen: 47.501 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

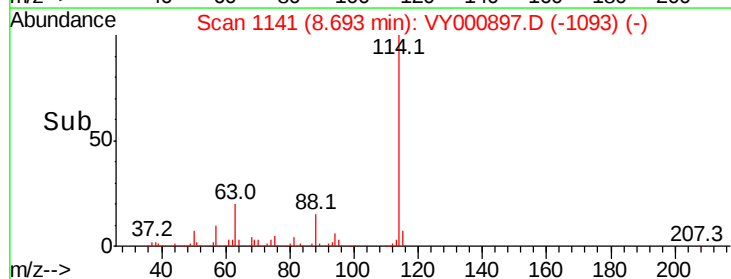
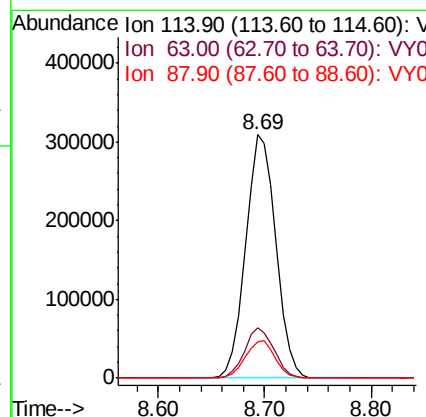
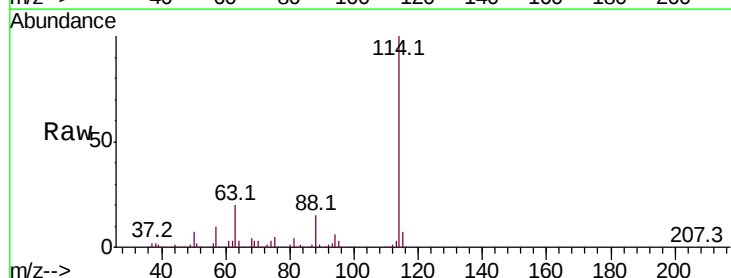
Instrument :
 MSVOA_Y
 ClientSampleId :

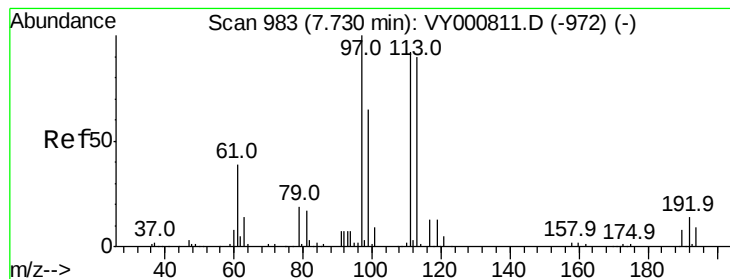
Tot Ion: 65 Resp: 174999
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 114 Resp: 614881
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.8
 88 14.8 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.104 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

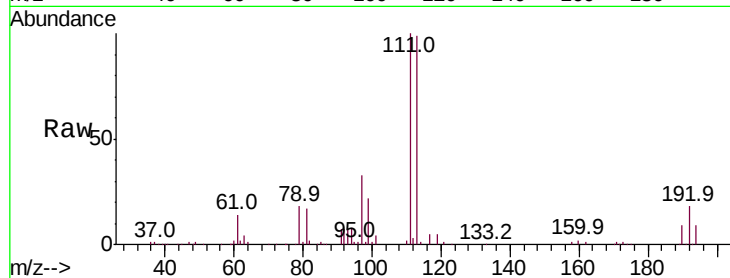
Tot Ion:113 Resp: 168800

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

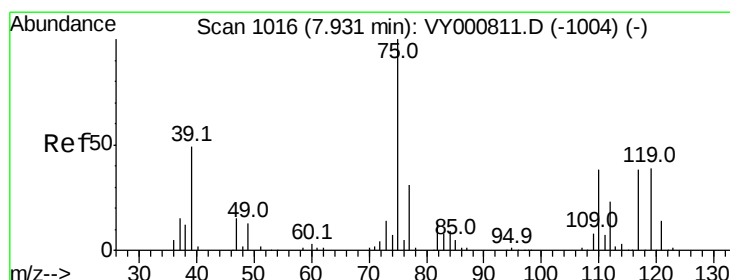
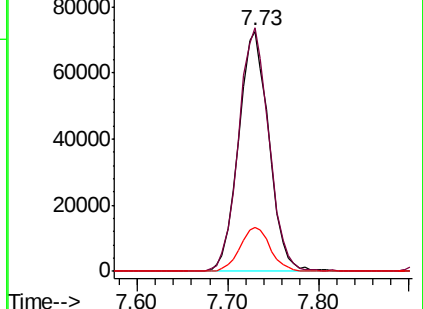
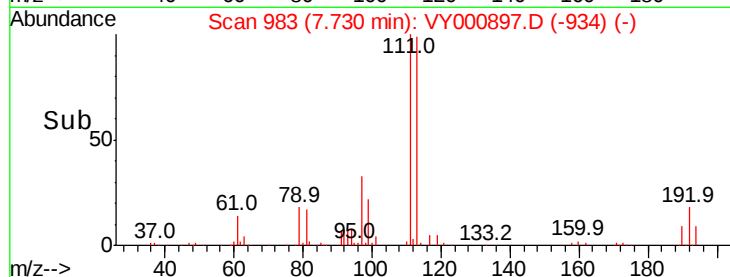
192 18.3 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.974 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

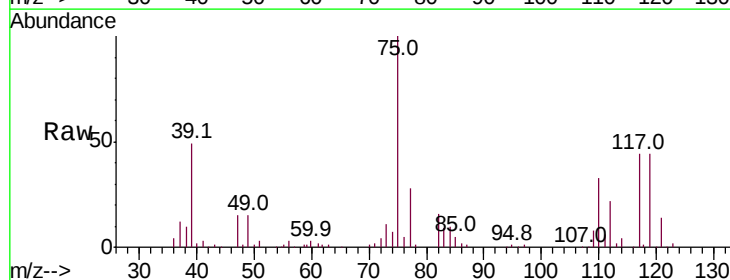
Tgt Ion: 75 Resp: 122116

Ion Ratio Lower Upper

75 100

110 35.2 17.9 53.7

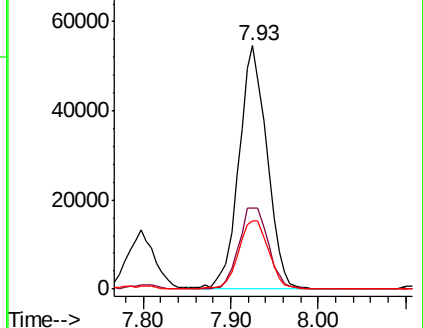
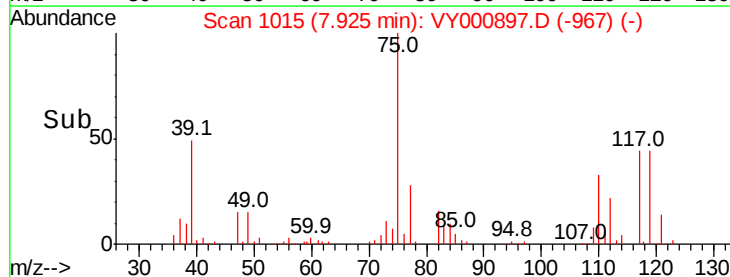
77 30.2 24.7 37.1

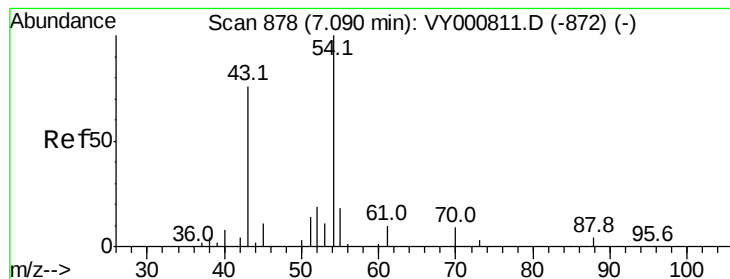


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 19.576 ug/l

RT: 7.09 min Scan# 878

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampled :

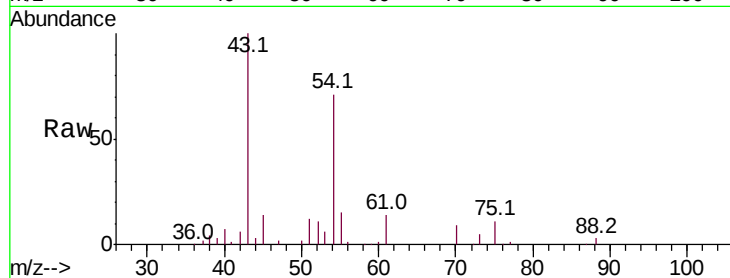
Tot Ion: 43 Resp: 69107

Ion Ratio Lower Upper

43 100

61 14.9 11.8 17.8

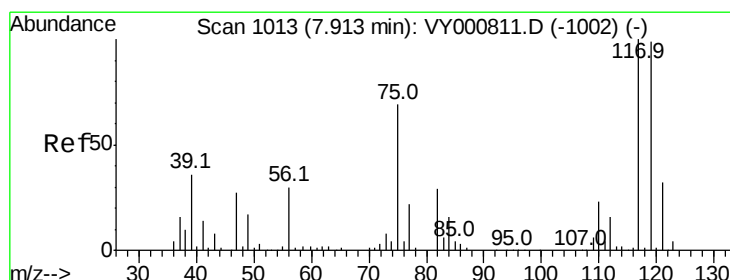
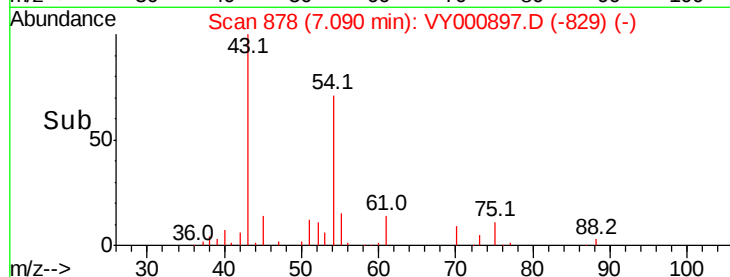
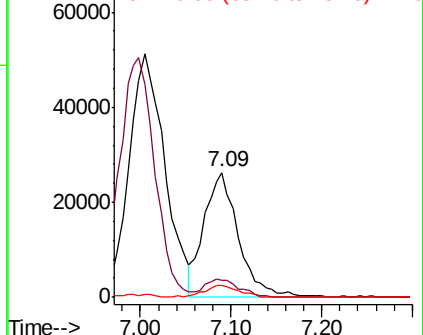
70 10.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VY000897.D (-829) (-)

Ion 60.90 (60.60 to 61.60): VY000897.D (-829) (-)

Ion 70.00 (69.70 to 70.70): VY000897.D (-829) (-)



#38

Carbon Tetrachloride

Concen: 19.572 ug/l

RT: 7.91 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

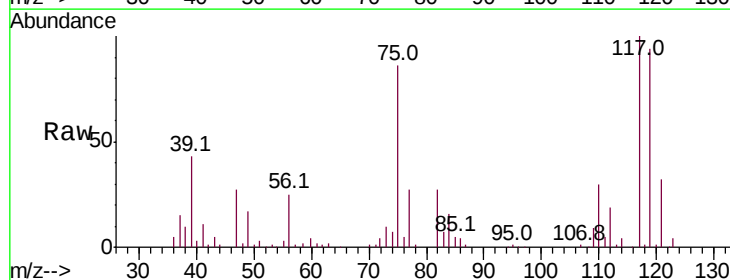
Tgt Ion: 117 Resp: 106566

Ion Ratio Lower Upper

117 100

119 94.5 79.3 118.9

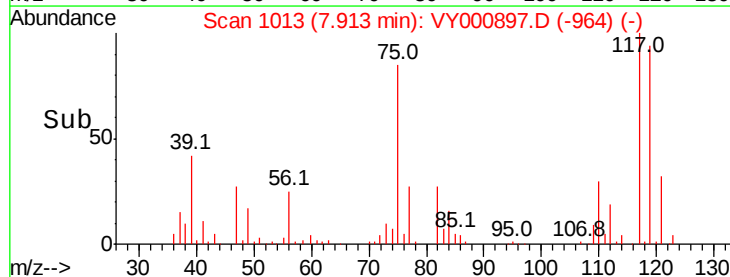
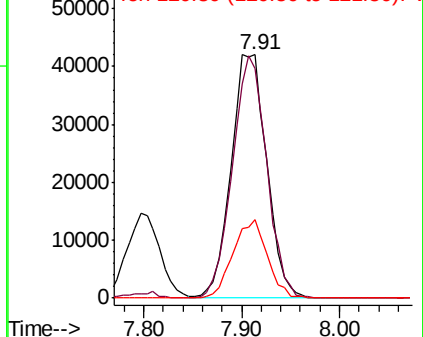
121 32.2 25.5 38.3

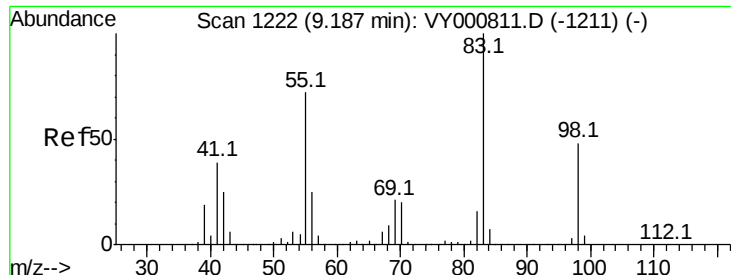


Abundance Ion 116.80 (116.50 to 117.50): VY000897.D (-964) (-)

Ion 118.80 (118.50 to 119.50): VY000897.D (-964) (-)

Ion 120.80 (120.50 to 121.50): VY000897.D (-964) (-)

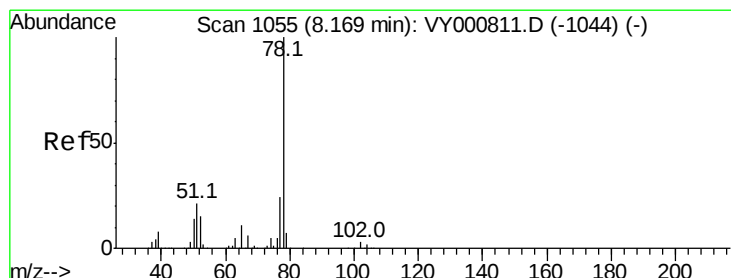
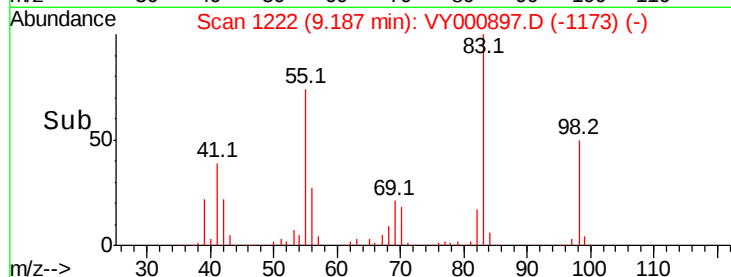
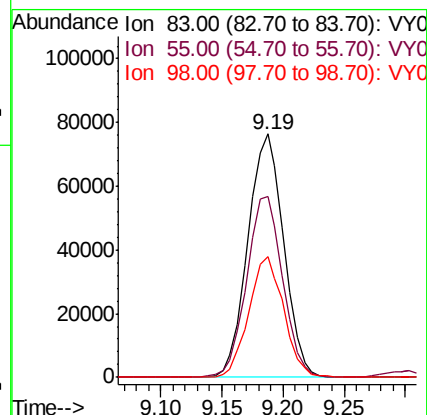
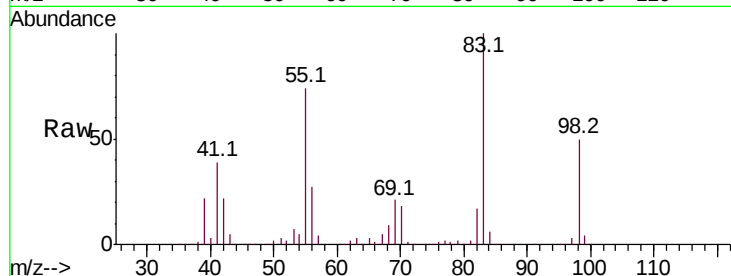




#39
Methvlcvclohexane
Concen: 19.178 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

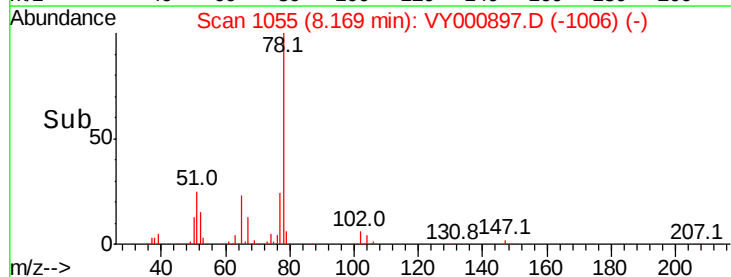
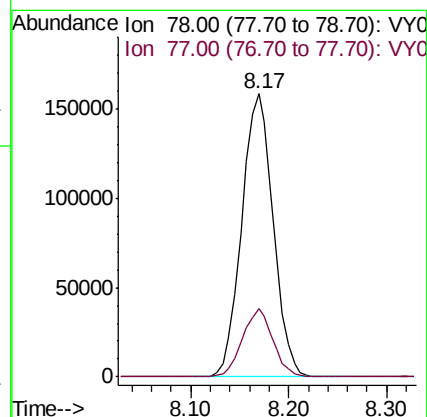
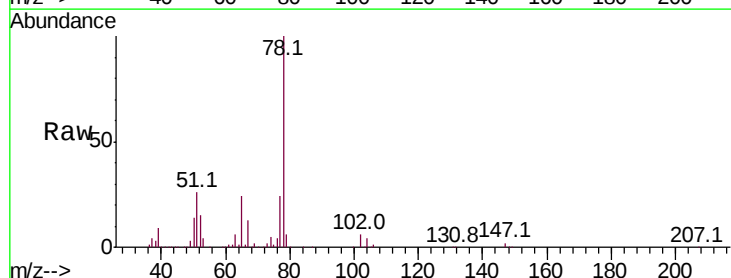
Instrument :
MSVOA_Y
ClientSampleId :

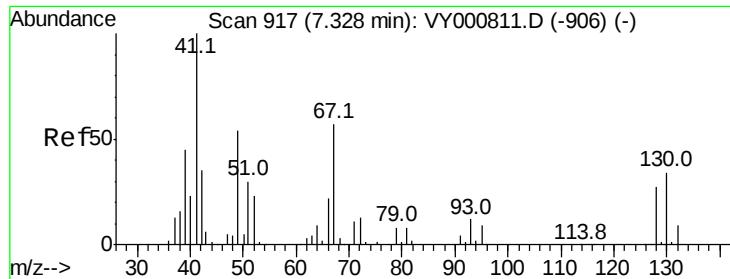
Tot Ion: 83 Resp: 155341
Ion Ratio Lower Upper
83 100
55 74.1 57.8 86.6
98 49.6 38.6 58.0



#40
Benzene
Concen: 19.798 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 78 Resp: 352562
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8

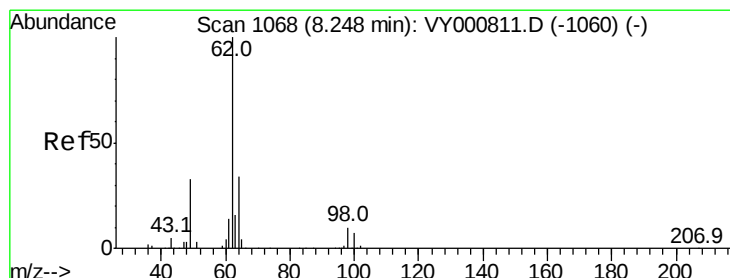
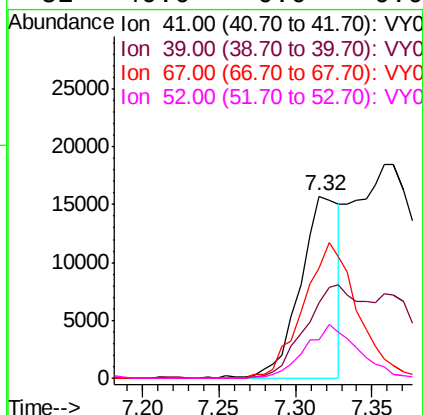
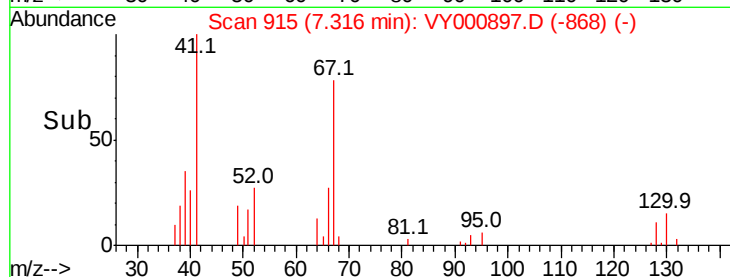
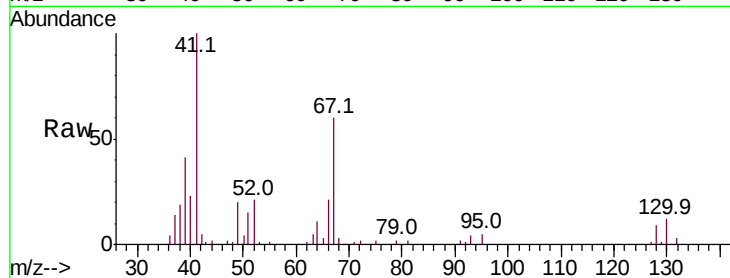




#41
Methacrylonitrile
Concen: 15.099 ug/l
RT: 7.32 min Scan# 915
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

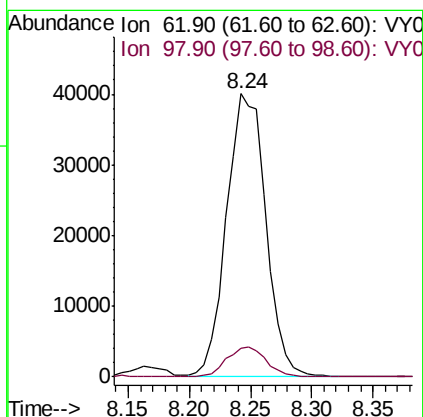
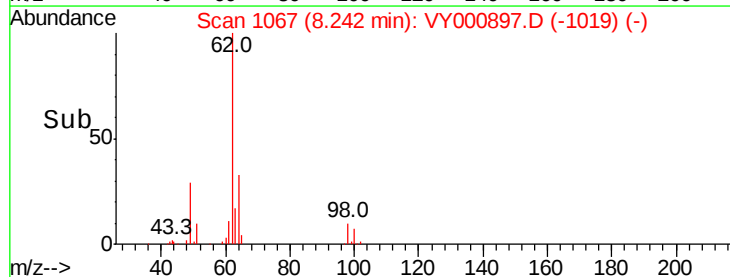
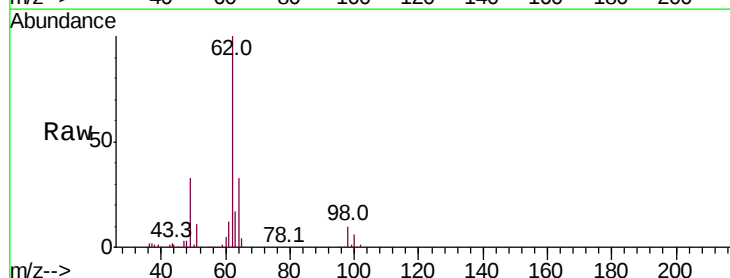
Instrument :
MSVOA_Y
ClientSampleId :

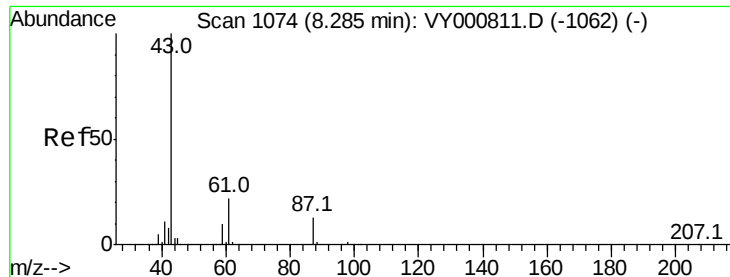
Tot Ion: 41 Resp: 28093
Ion Ratio Lower Upper
41 100
39 81.9 95.7 143.5#
67 103.6 0.0 0.0#
52 40.0 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.009 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 62 Resp: 89029
Ion Ratio Lower Upper
62 100
98 10.7 0.0 21.4





#43

Isopropyl Acetate

Concen: 18.608 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

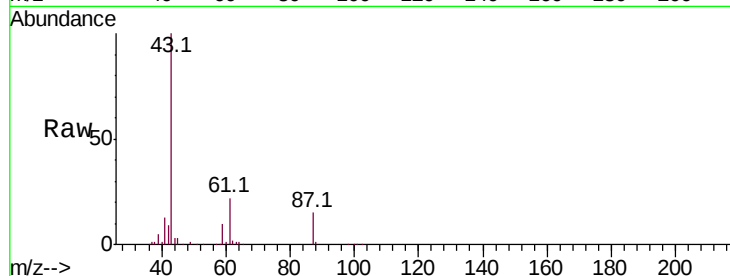
Tot Ion: 43 Resp: 123791

Ion Ratio Lower Upper

43 100

61 29.9 23.7 35.5

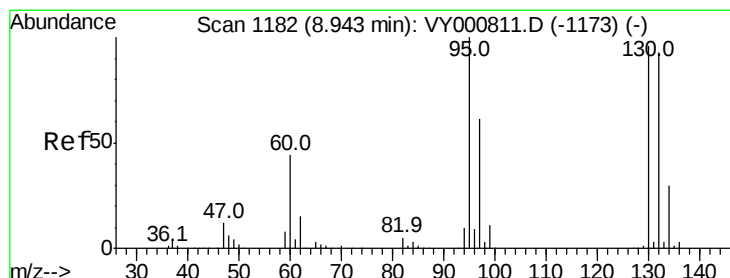
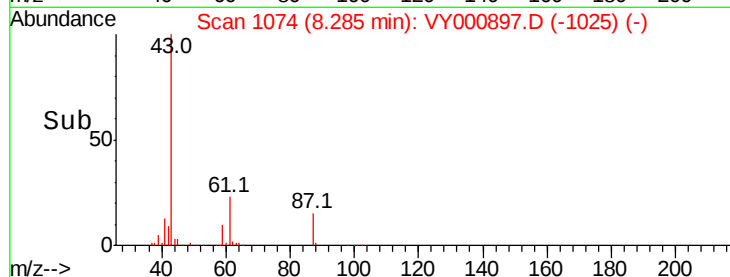
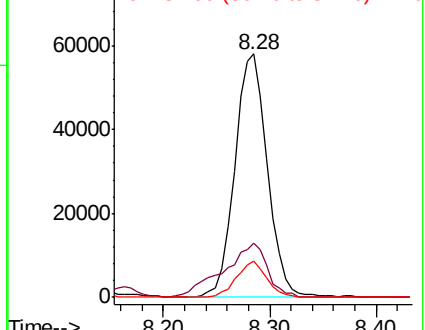
87 13.9 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1062) (-)

Ion 61.00 (60.70 to 61.70): VY000811.D (-1062) (-)

Ion 87.00 (86.70 to 87.70): VY000811.D (-1062) (-)



#44

Trichloroethene

Concen: 20.186 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VY000897.D

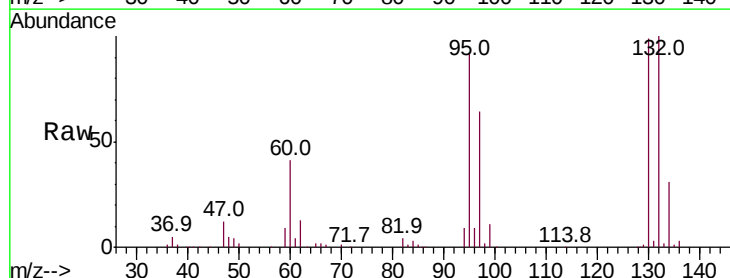
Acq: 06 Dec 2019 13:33

Tgt Ion: 130 Resp: 92385

Ion Ratio Lower Upper

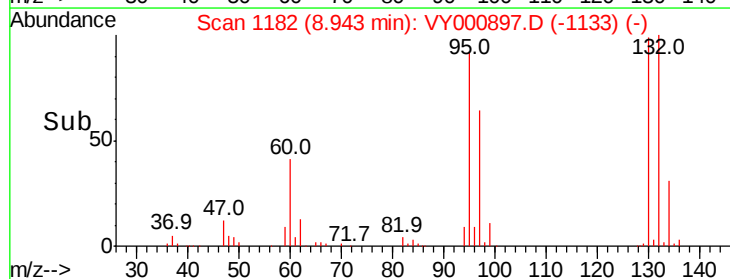
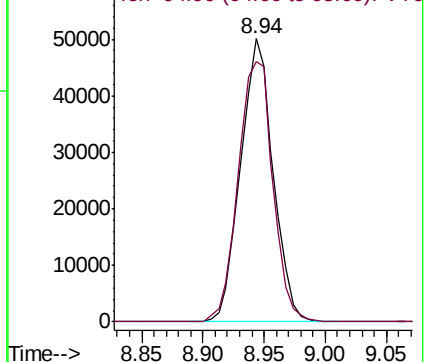
130 100

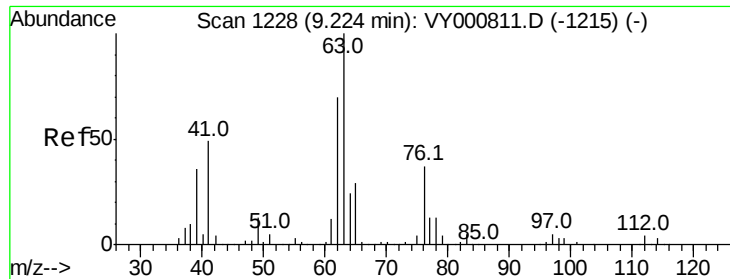
95 92.2 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VY000811.D (-1173) (-)

Ion 94.90 (94.60 to 95.60): VY000811.D (-1173) (-)

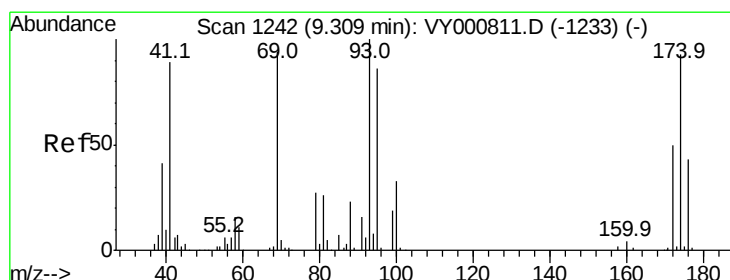
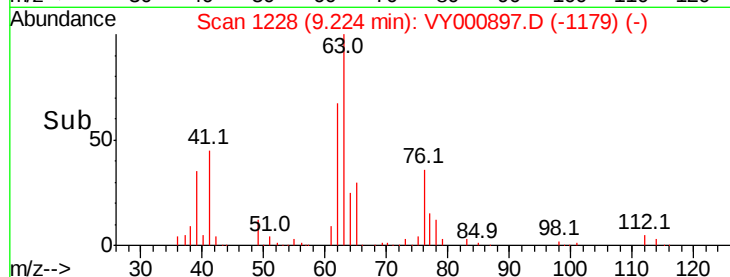
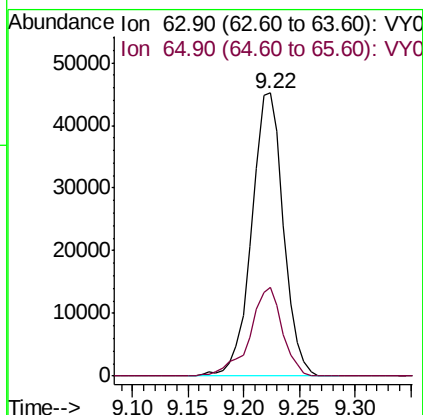
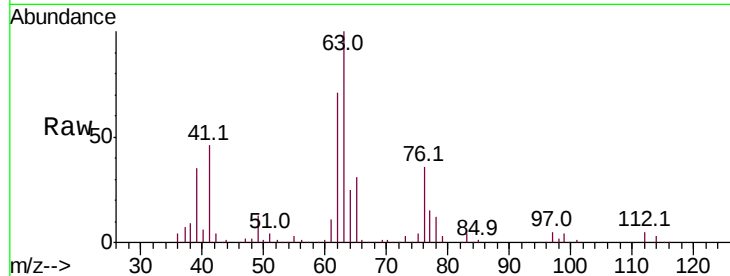




#45
 1,2-Dichloropropane
 Concen: 20.075 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

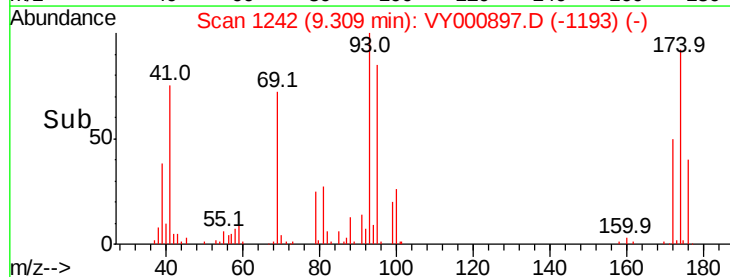
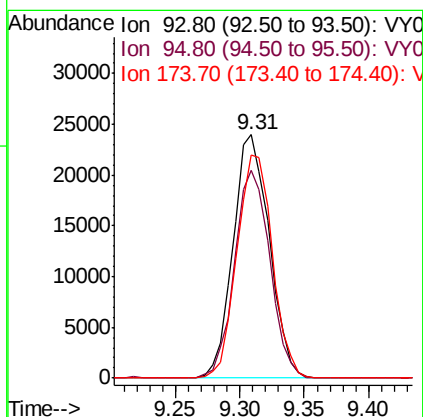
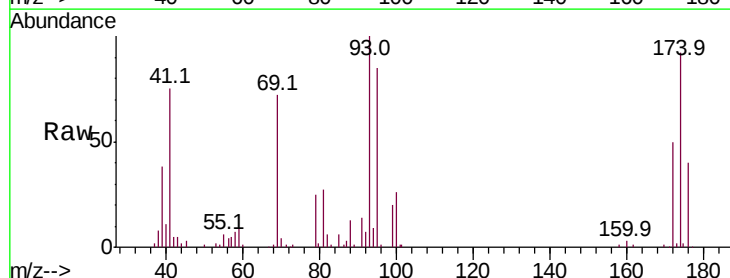
Instrument :
 MSVOA_Y
 ClientSampled :

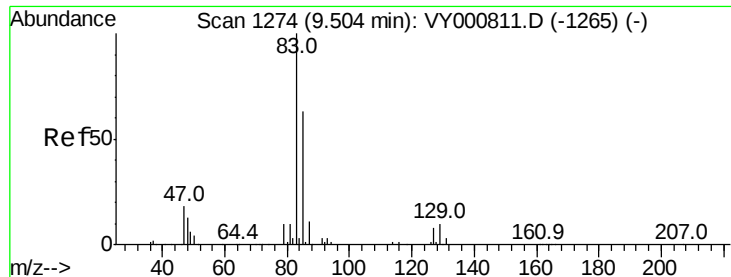
Tot Ion: 63 Resp: 89798
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.2 34.8



#46
 Dibromomethane
 Concen: 19.988 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 93 Resp: 46716
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.4 99.6
 174 89.8 73.0 109.6





#47

Bromodichloromethane

Concen: 19.494 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

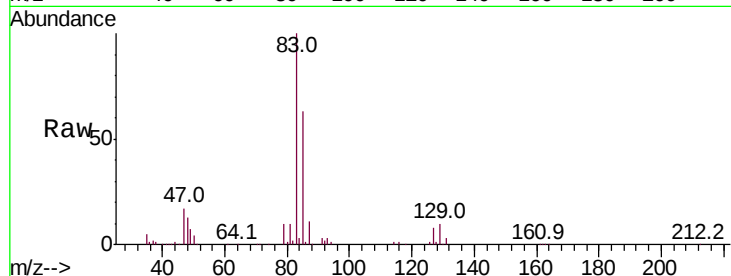
Tot Ion: 83 Resp: 107029

Ion Ratio Lower Upper

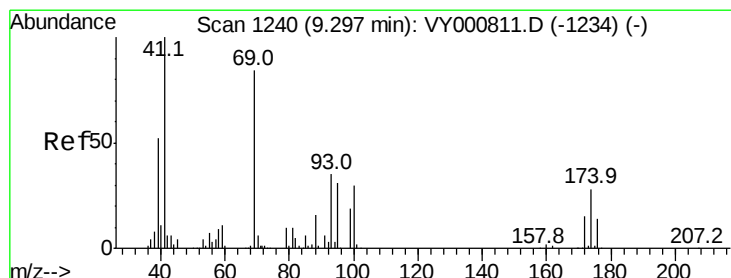
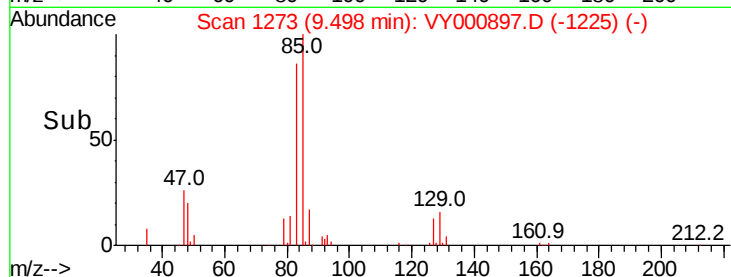
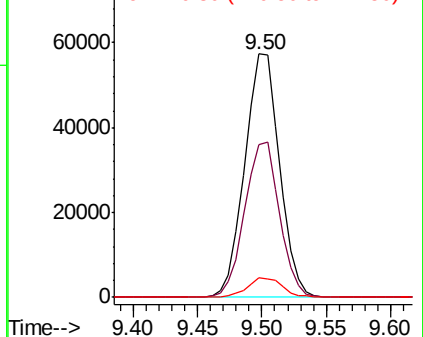
83 100

85 62.7 50.8 76.2

127 8.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 18.332 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

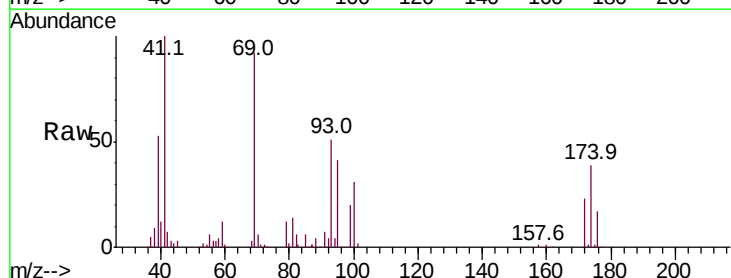
Tgt Ion: 41 Resp: 53626

Ion Ratio Lower Upper

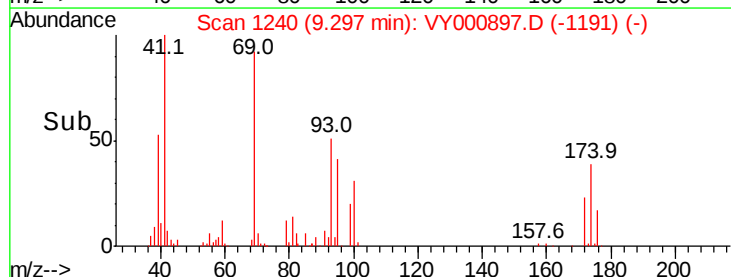
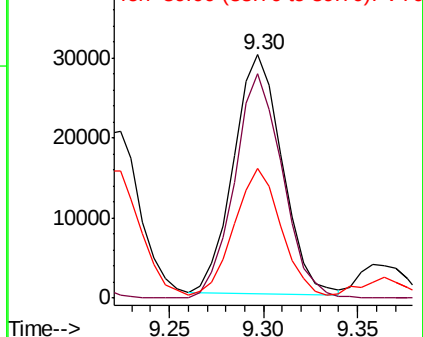
41 100

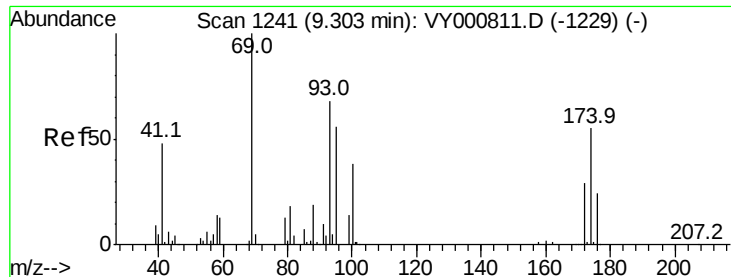
69 92.7 70.4 105.6

39 53.0 40.9 61.3



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 390.143 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

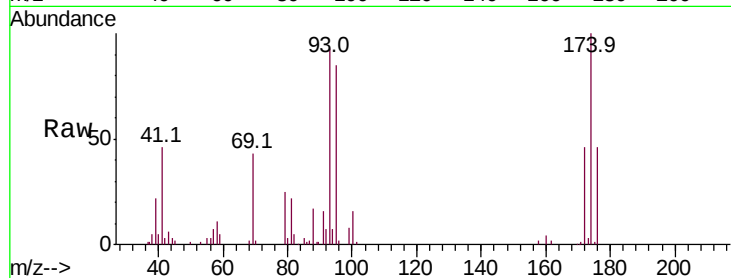
Tot Ion: 88 Resp: 12920

Ion Ratio Lower Upper

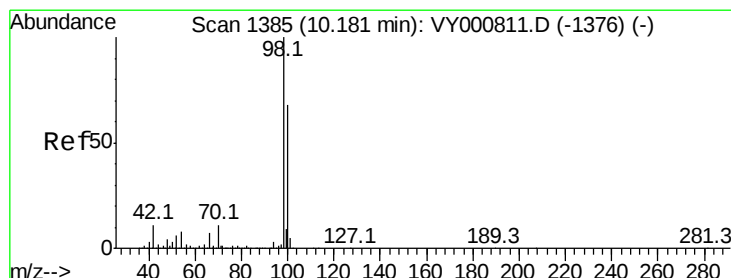
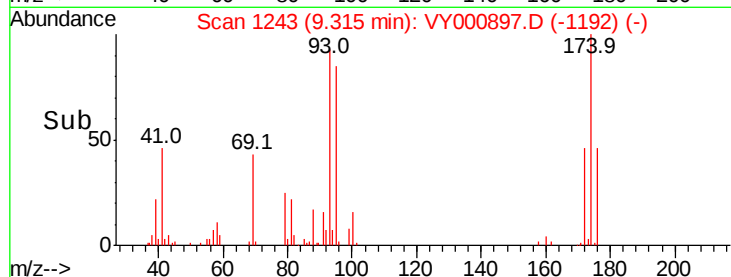
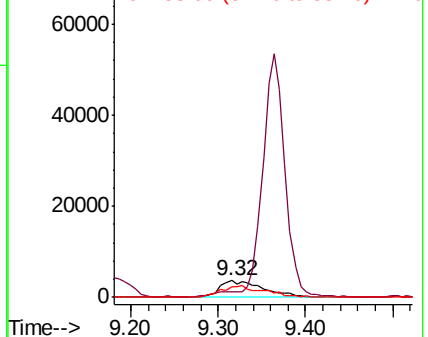
88 100

43 0.0 21.1 31.7#

58 70.8 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: 48.774 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VY000897.D

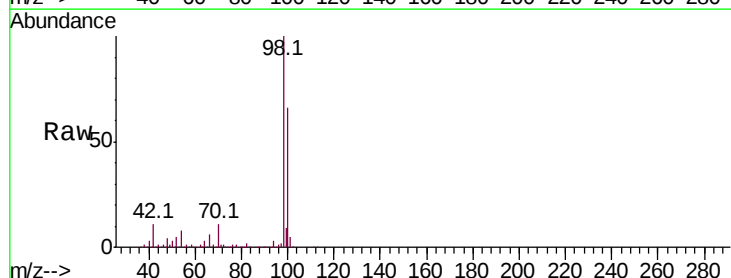
Acq: 06 Dec 2019 13:33

Tgt Ion: 98 Resp: 698767

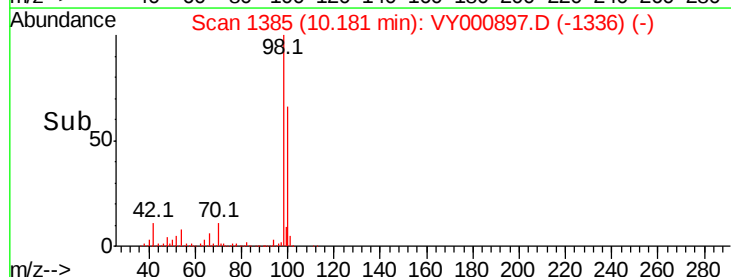
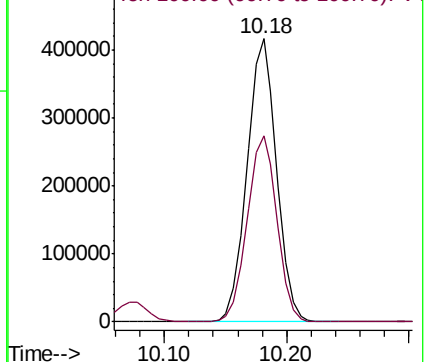
Ion Ratio Lower Upper

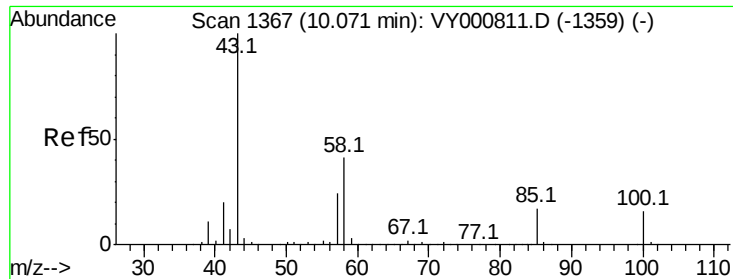
98 100

100 66.4 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: 95.153 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

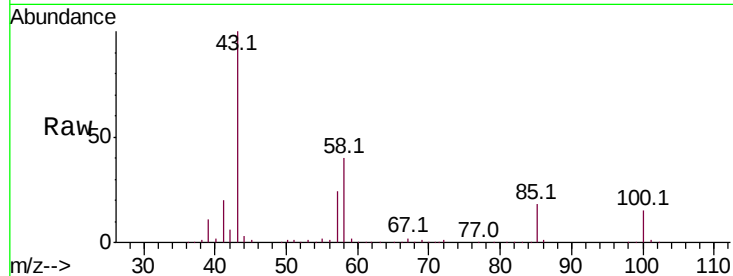
ClientSampled :

Tot Ion: 43 Resp: 327060

Ion Ratio Lower Upper

43 100

58 40.8 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.07

200000

150000

100000

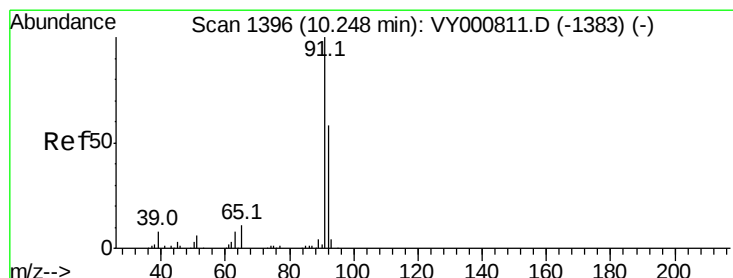
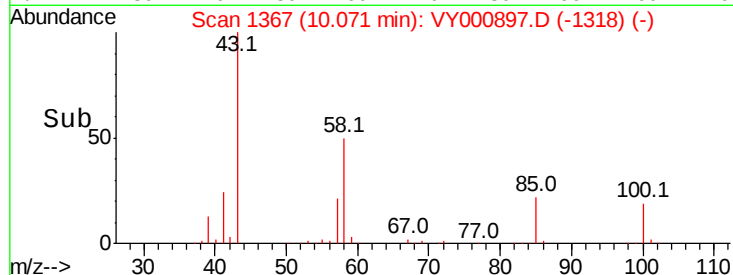
50000

0

Time-->

10.00

10.10



#52

Toluene

Concen: 19.702 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000897.D

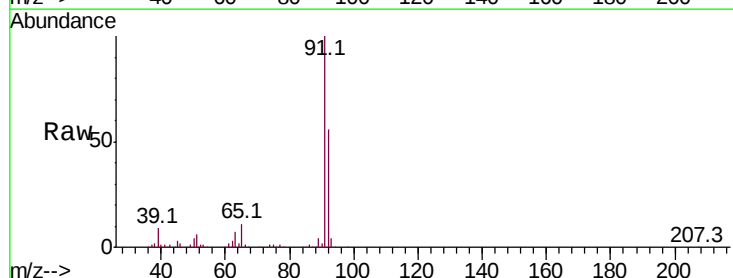
Acq: 06 Dec 2019 13:33

Tgt Ion: 92 Resp: 217239

Ion Ratio Lower Upper

92 100

91 174.3 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

10.24

250000

200000

150000

100000

50000

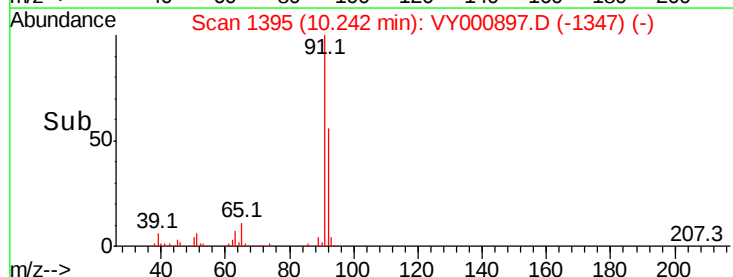
0

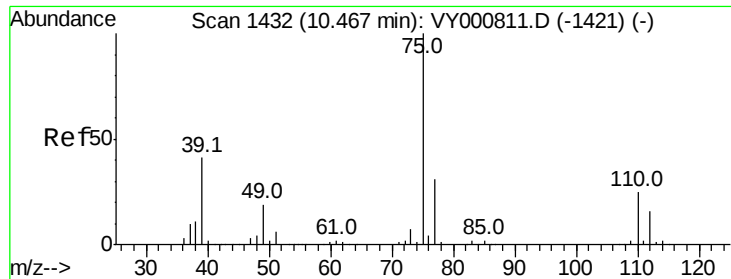
Time-->

10.20

10.25

10.30





#53

t-1,3-Dichloropropene

Concen: 19.661 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

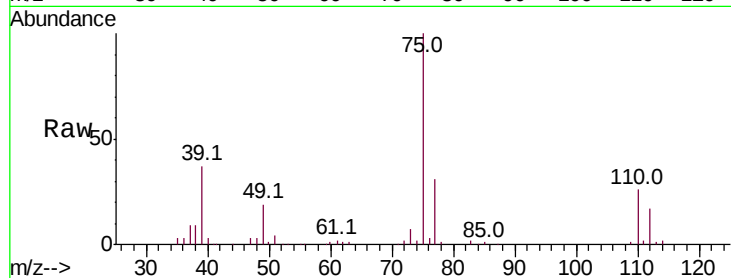
ClientSampleId :

Tot Ion: 75 Resp: 115972

Ion Ratio Lower Upper

75 100

77 31.5 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

80000

60000

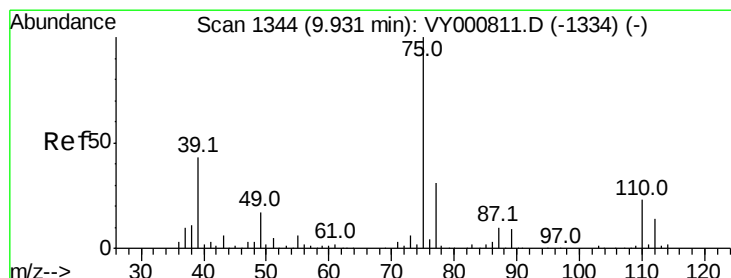
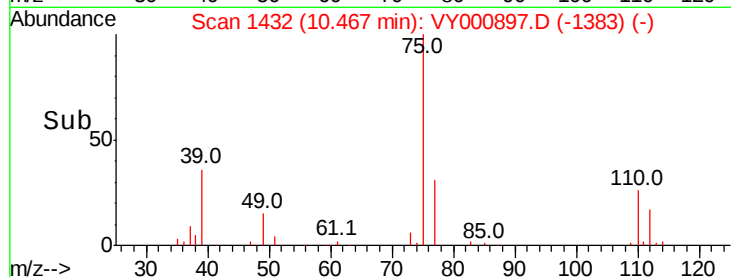
40000

20000

0

Time-->

10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 19.760 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

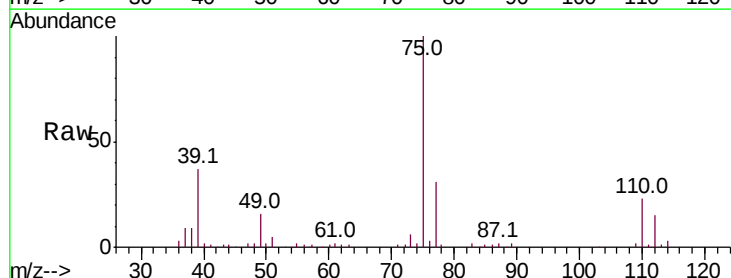
Tgt Ion: 75 Resp: 137772

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 36.9 34.5 51.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

100000

80000

60000

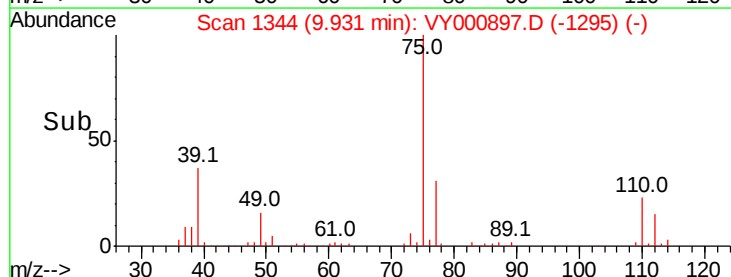
40000

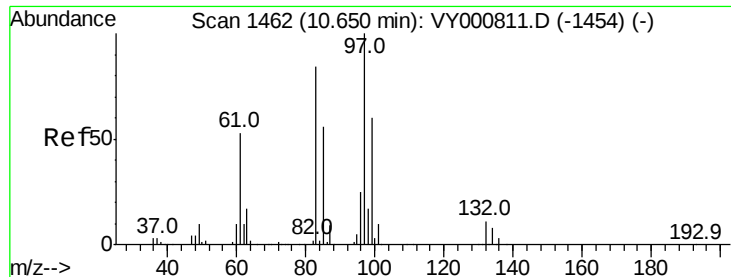
20000

0

Time-->

9.90 10.00



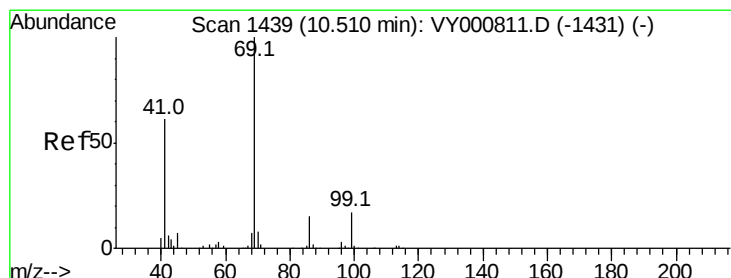
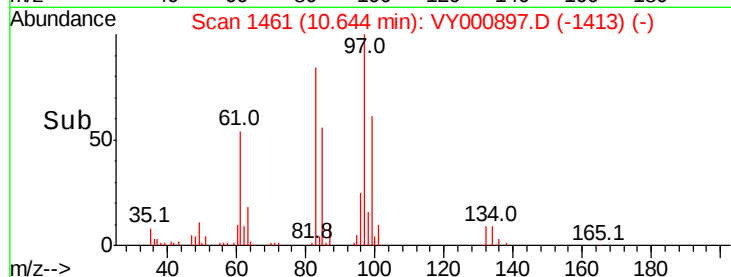
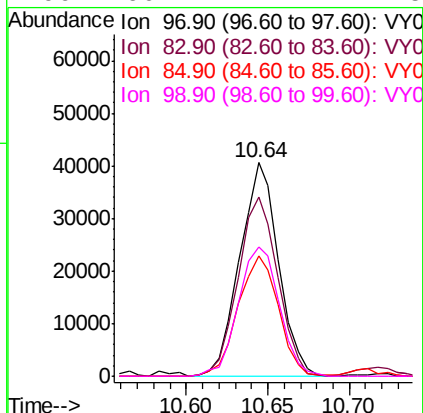
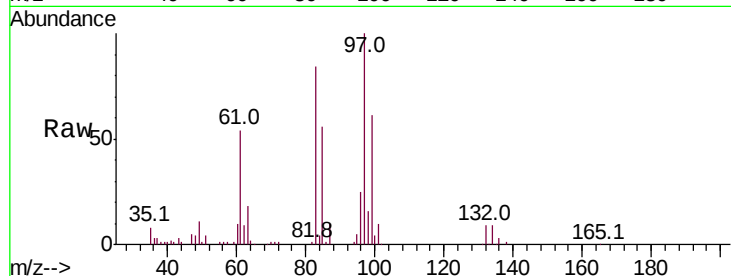


#55
 1,1,2-Trichloroethane
 Concen: 19.448 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion: 97 Resp: 67154

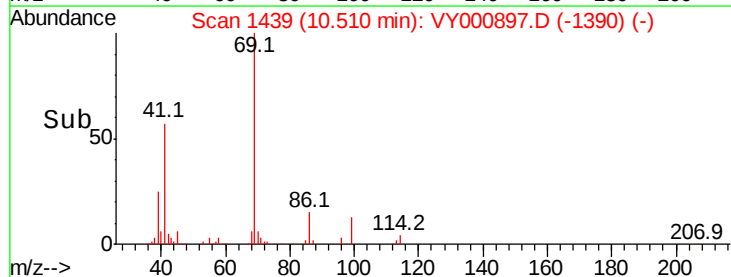
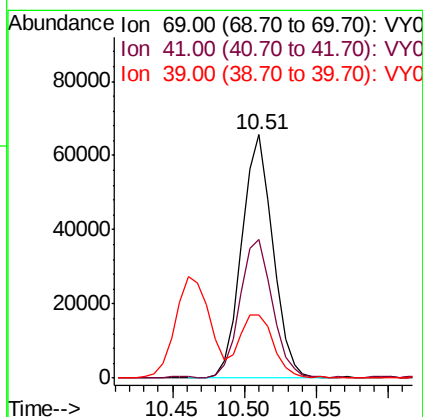
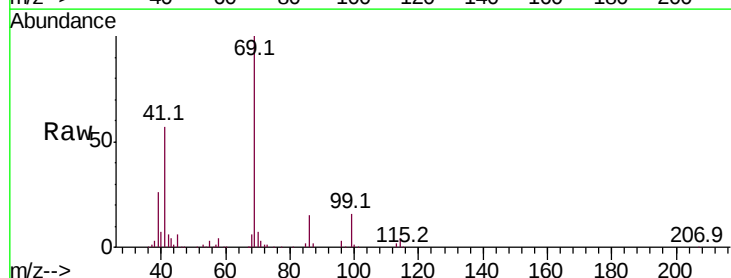
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.5	101.3
85	56.1	44.5	66.7
99	60.7	47.7	71.5

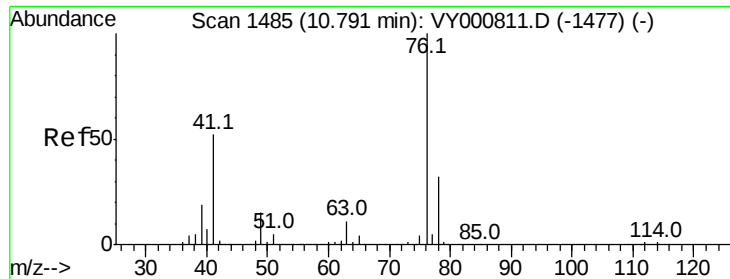


#56
 Ethyl methacrylate
 Concen: 19.944 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 69 Resp: 98516

Ion	Ratio	Lower	Upper
69	100		
41	59.1	49.0	73.6
39	28.8	23.1	34.7





#57

1,3-Dichloropropane

Concen: 20.117 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

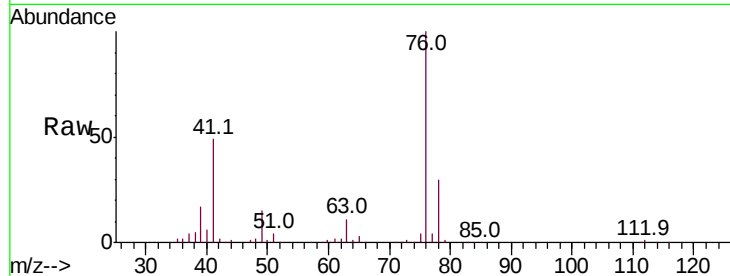
ClientSampleId :

Tot Ion: 76 Resp: 121070

Ion Ratio Lower Upper

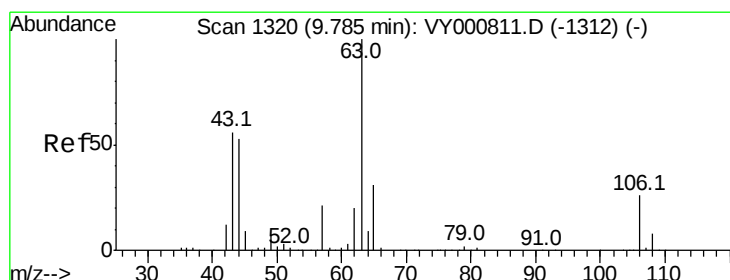
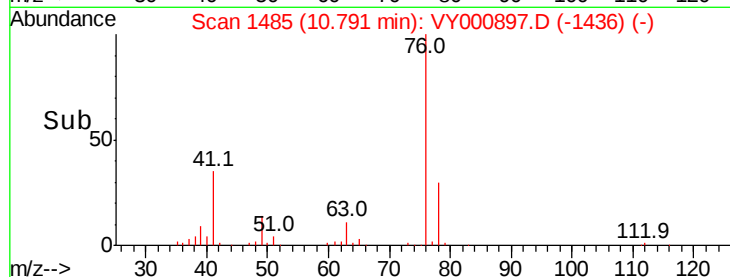
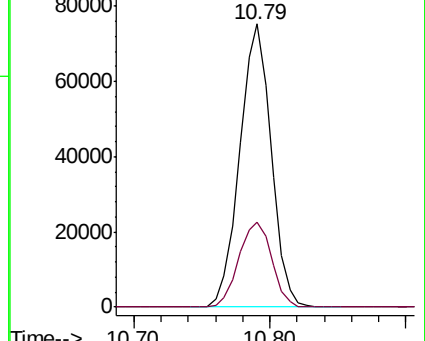
76 100

78 31.7 26.4 39.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 97.283 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY000897.D

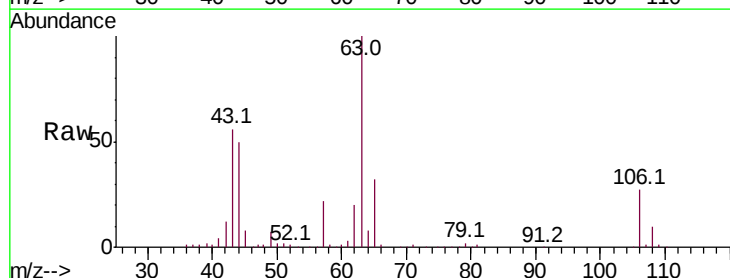
Acq: 06 Dec 2019 13:33

Tgt Ion: 63 Resp: 193762

Ion Ratio Lower Upper

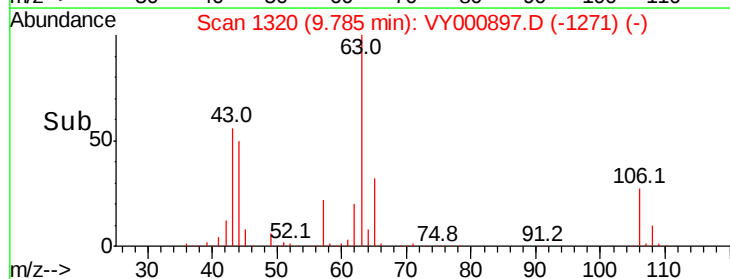
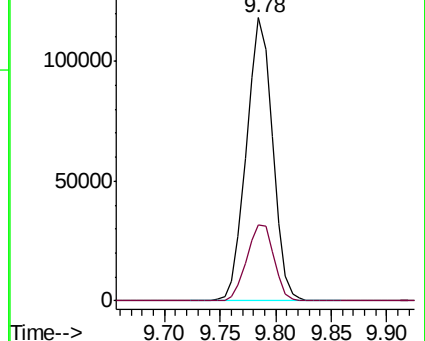
63 100

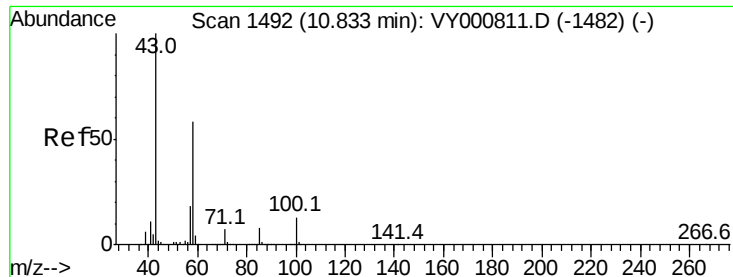
106 28.0 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

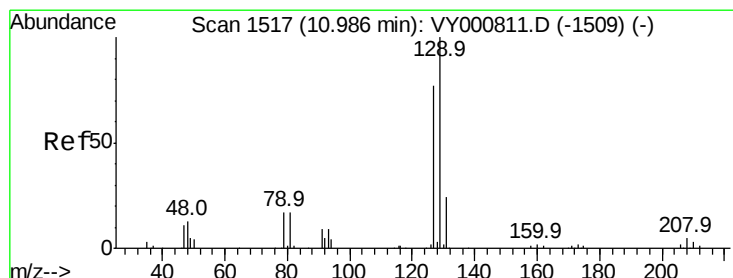
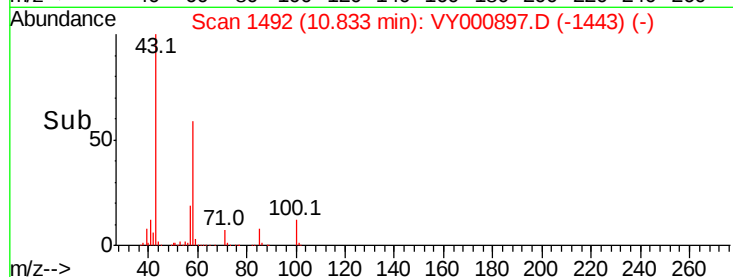
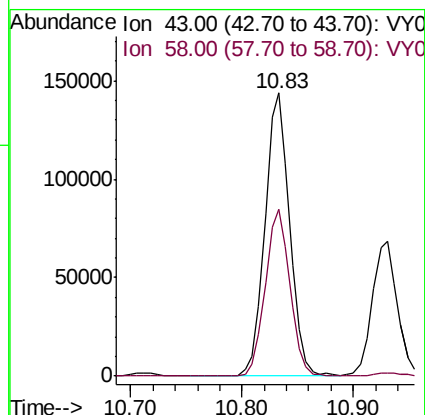
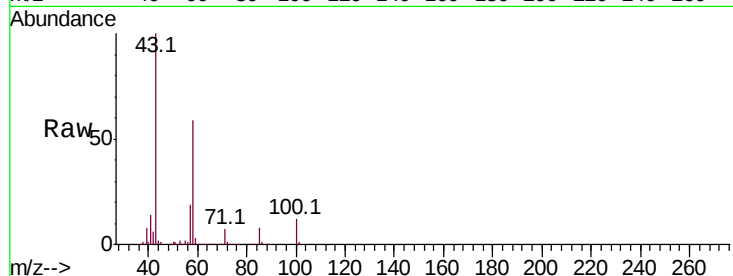




#59
2-Hexanone
Concen: 88.888 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

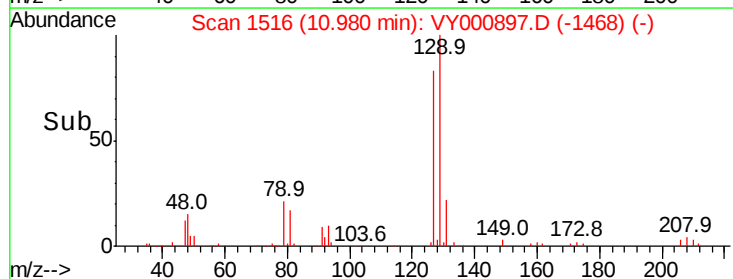
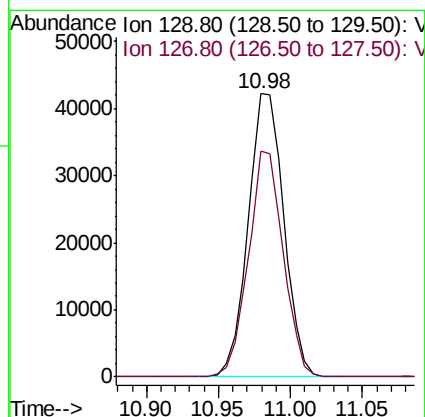
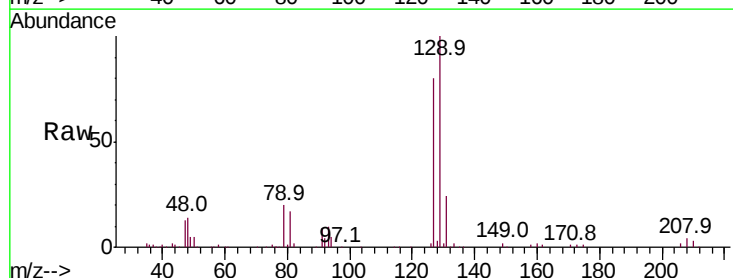
Instrument :
MSVOA_Y
ClientSampleId :

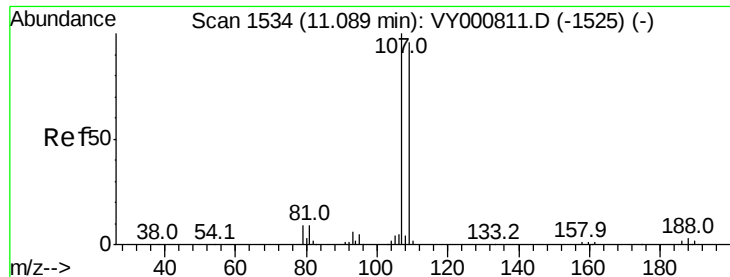
Tot Ion: 43 Resp: 222630
Ion Ratio Lower Upper
43 100
58 59.0 29.0 87.1



#60
Dibromochloromethane
Concen: 19.390 ug/l
RT: 10.98 min Scan# 1516
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion: 129 Resp: 72077
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.2

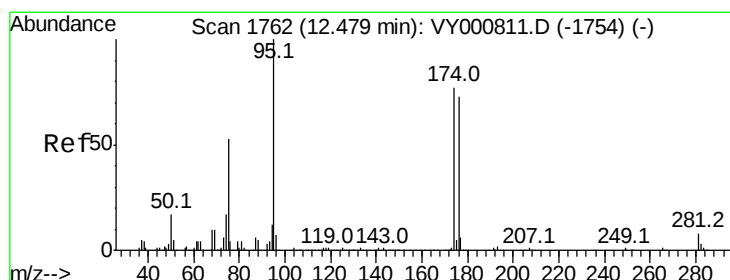
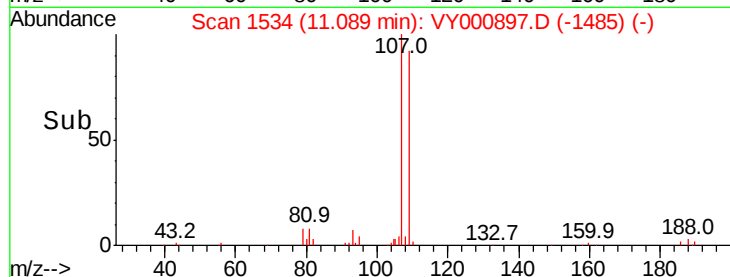
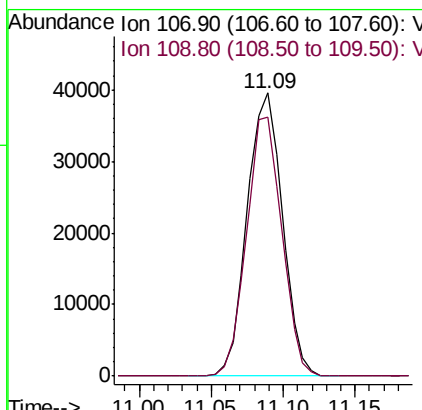
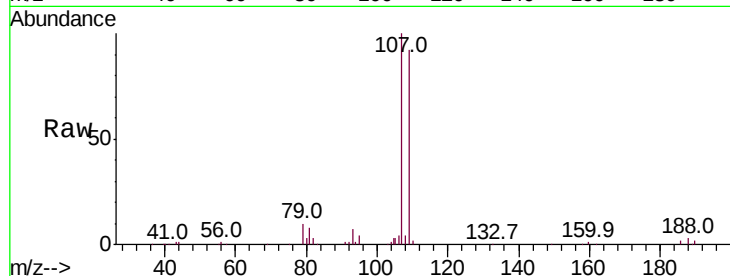




#61
 1,2-Dibromoethane
 Concen: 20.606 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

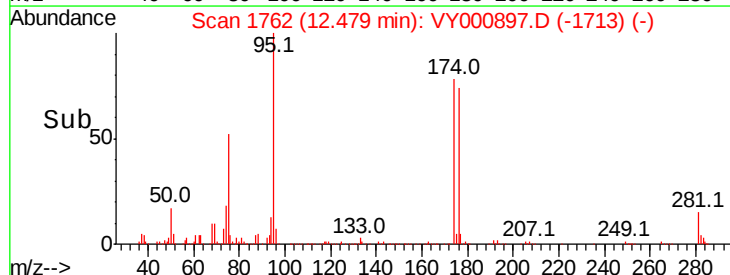
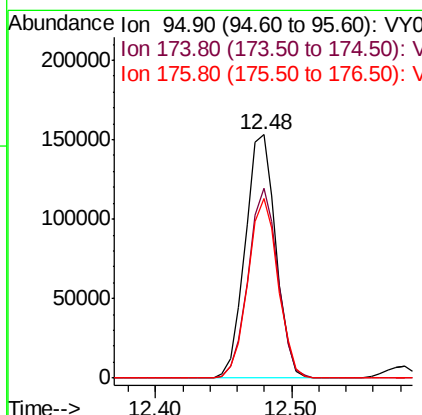
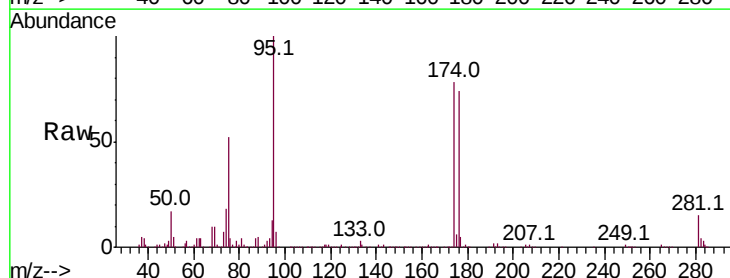
Instrument :
 MSVOA_Y
 ClientSampleId :

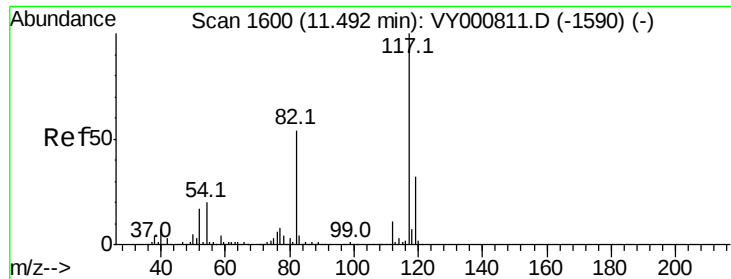
Tot Ion:107 Resp: 67056
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 44.823 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion: 95 Resp: 241170
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 150.6
 176 72.9 0.0 145.2

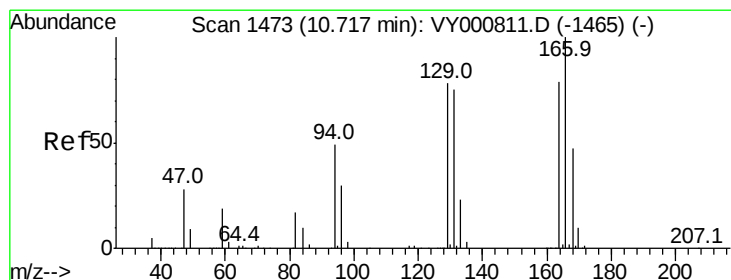
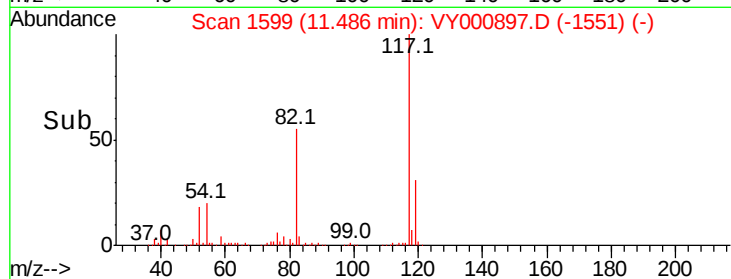
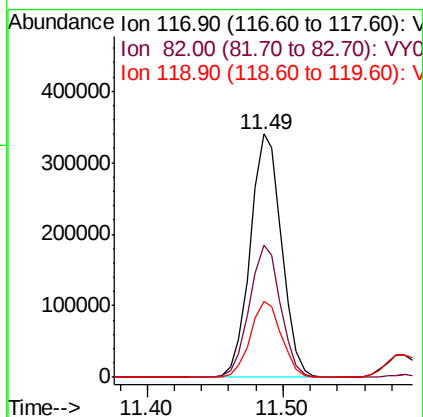
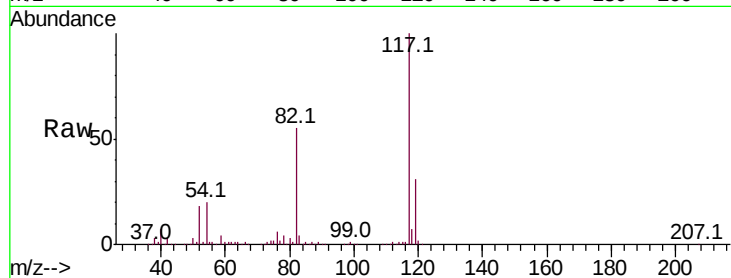




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

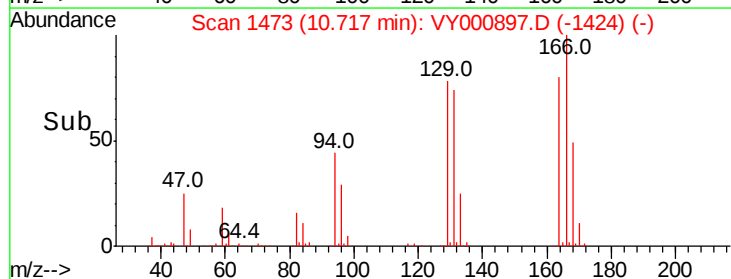
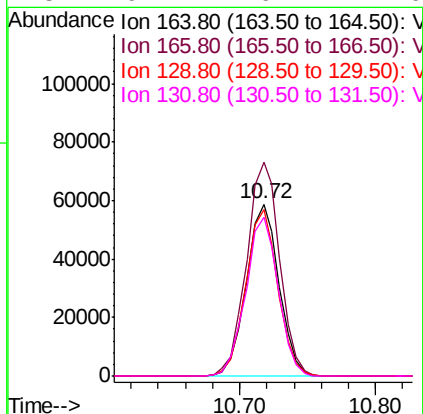
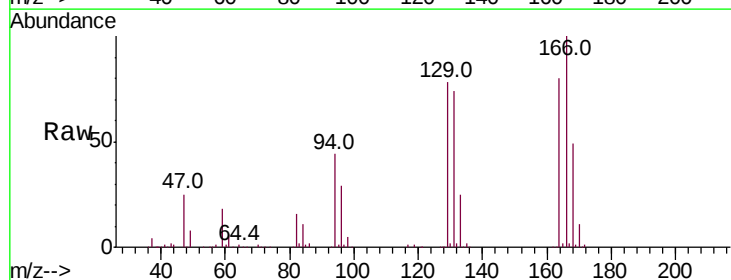
Instrument :
MSVOA_Y
ClientSampled :

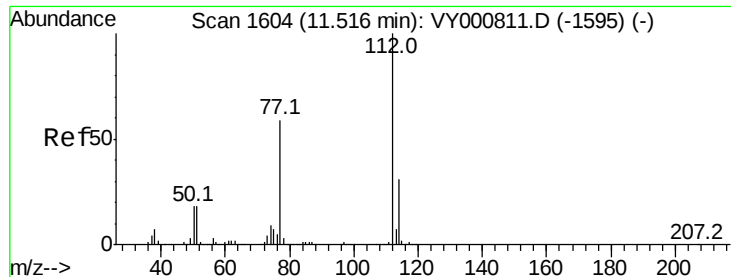
Tot Ion:117 Resp: 548613
Ion Ratio Lower Upper
117 100
82 54.6 43.1 64.7
119 31.3 25.3 37.9



#64
Tetrachloroethene
Concen: 20.672 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion:164 Resp: 98534
Ion Ratio Lower Upper
164 100
166 124.3 101.8 152.8
129 96.9 79.3 118.9
131 92.1 76.4 114.6





#65

Chlorobenzene

Concen: 19.813 ug/l

RT: 11.51 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

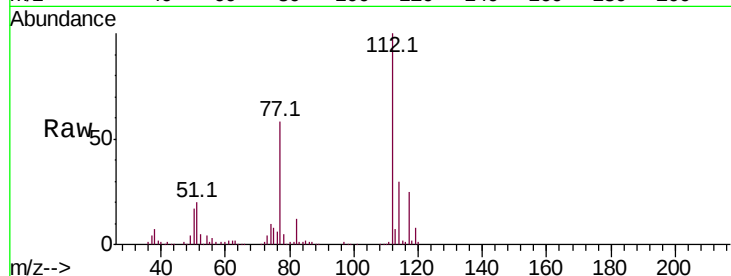
ClientSampleId :

Tot Ion:112 Resp: 225937

Ion Ratio Lower Upper

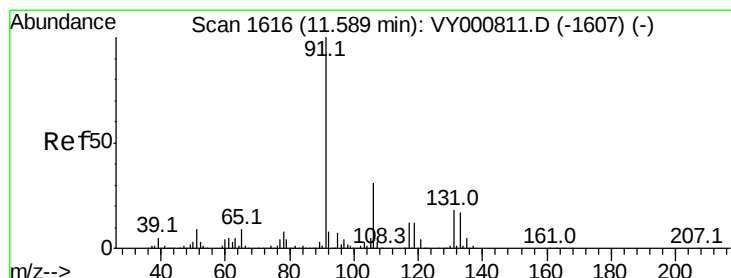
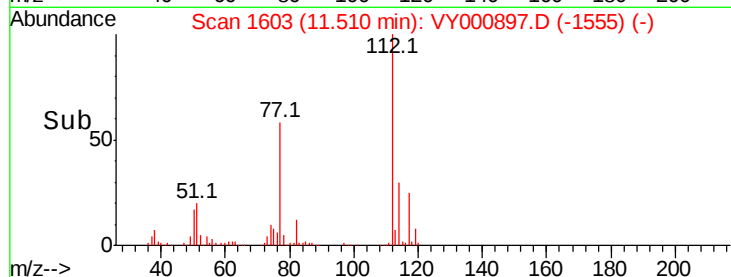
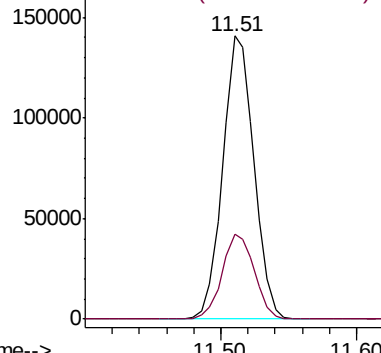
112 100

114 30.0 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: 19.661 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

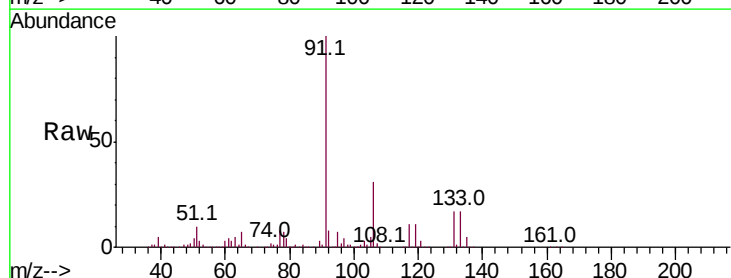
Tgt Ion:131 Resp: 75560

Ion Ratio Lower Upper

131 100

133 96.3 47.4 142.2

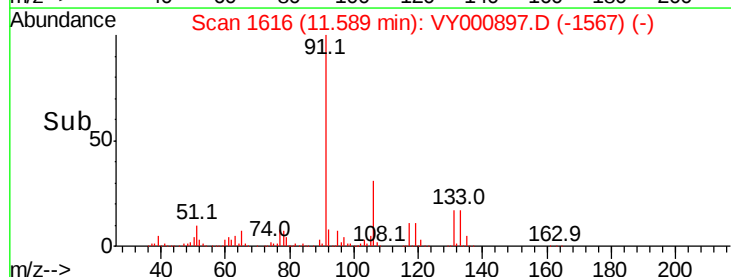
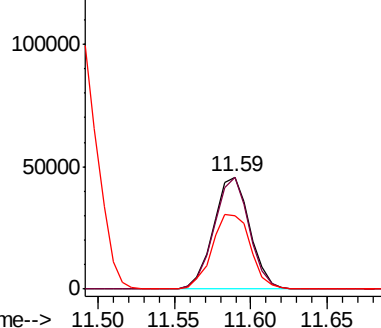
119 71.2 33.8 101.3

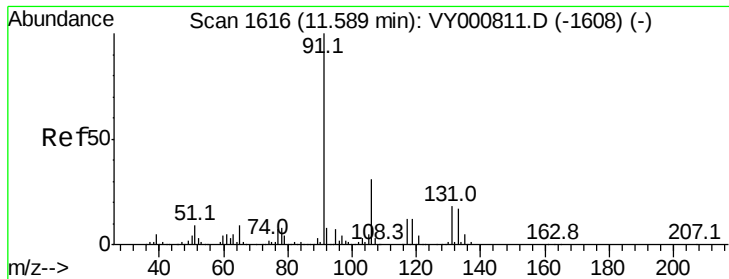


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.840 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

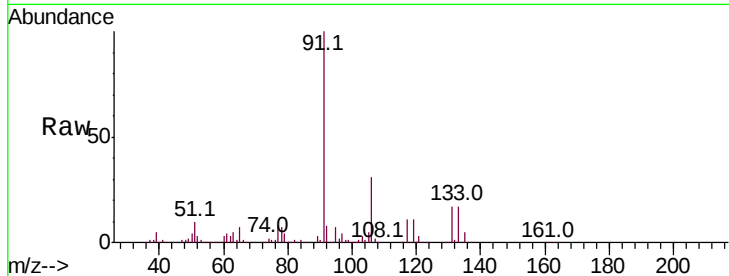
ClientSampleId :

Tot Ion: 91 Resp: 421373

Ion Ratio Lower Upper

91 100

106 31.3 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY000811.D (-1608) (-)

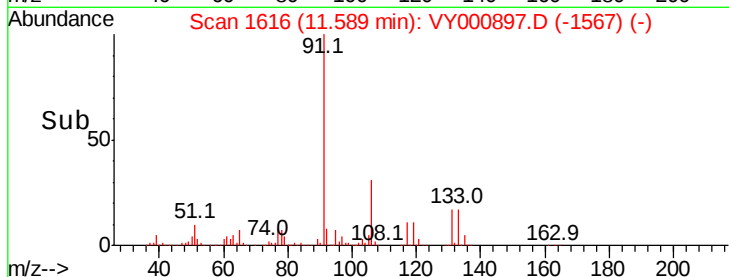
300000

200000

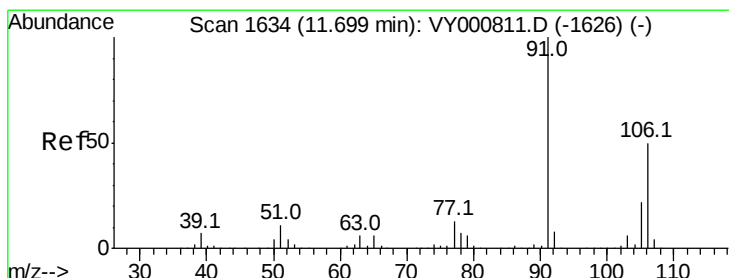
100000

0

11.50 11.55 11.60 11.65



Time-->



#68

m/p-Xylenes

Concen: 38.959 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY000897.D

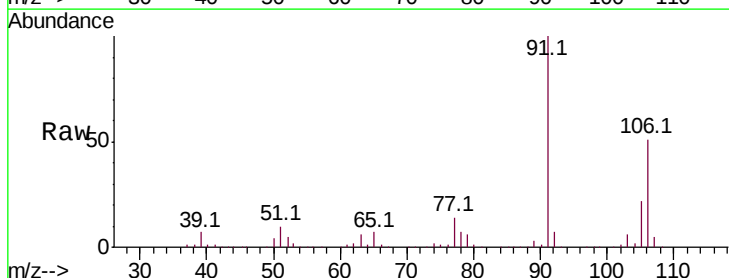
Acq: 06 Dec 2019 13:33

Tgt Ion: 106 Resp: 310564

Ion Ratio Lower Upper

106 100

91 201.4 159.6 239.4



Abundance Ion 106.00 (105.70 to 106.70): VY000811.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY000811.D (-1626) (-)

400000

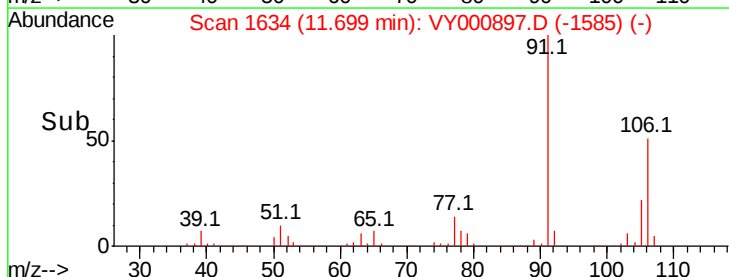
300000

200000

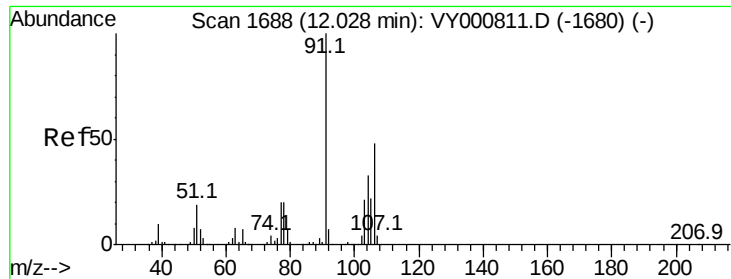
100000

0

11.60 11.70 11.80



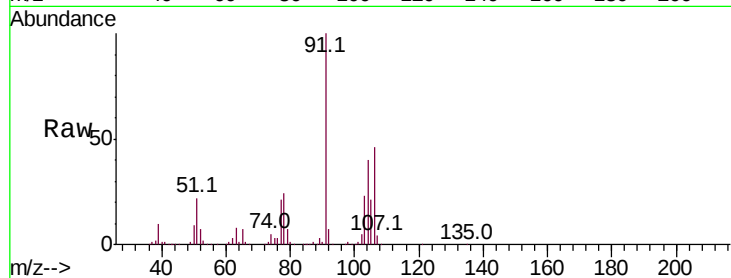
Time-->



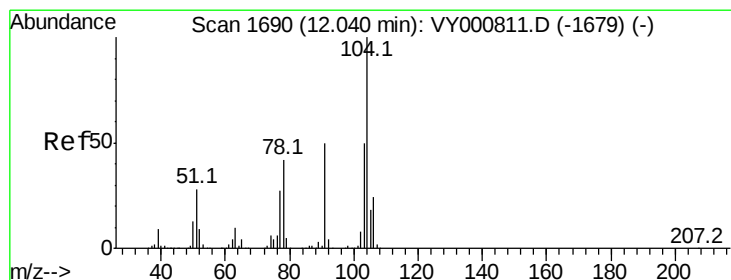
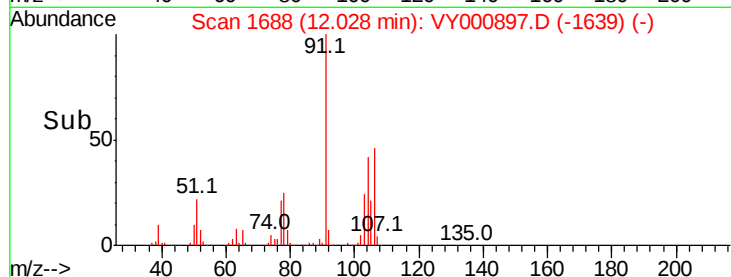
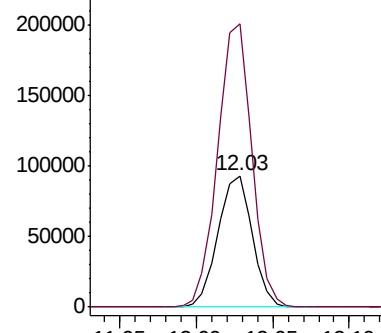
#69
o-Xylene
Concen: 19.539 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:106 Resp: 145227
Ion Ratio Lower Upper
106 100
91 214.5 106.1 318.1

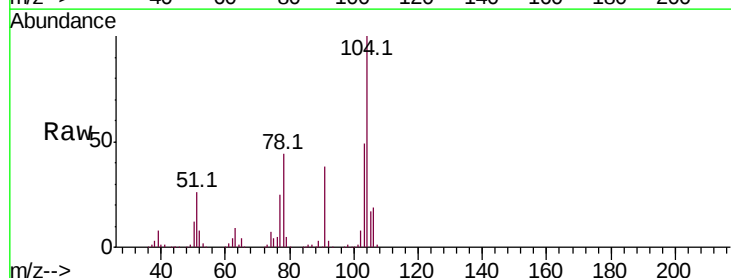


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

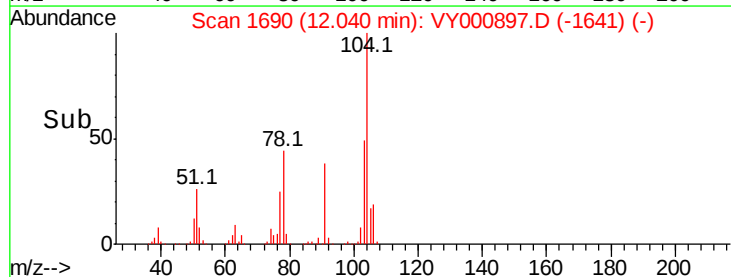
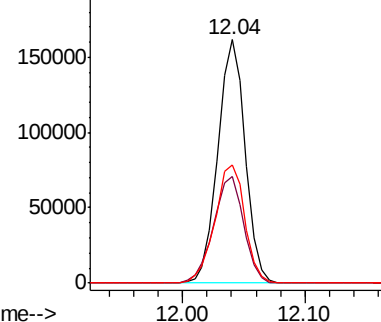


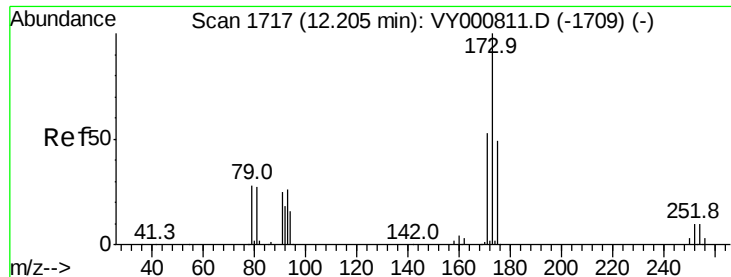
#70
Styrene
Concen: 19.682 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion:104 Resp: 250489
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.4
103 53.4 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: 19.175 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

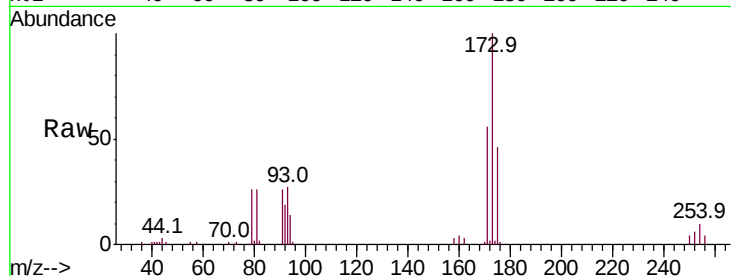
Tot Ion:173 Resp: 41563

Ion Ratio Lower Upper

173 100

175 47.5 24.5 73.5

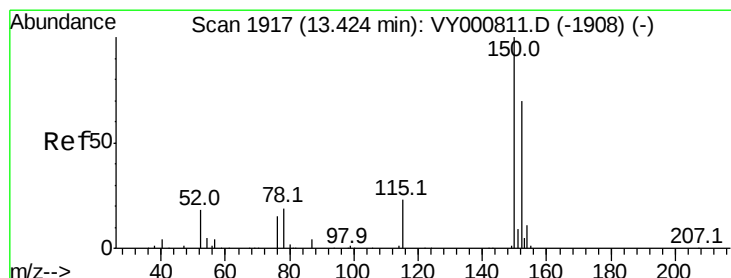
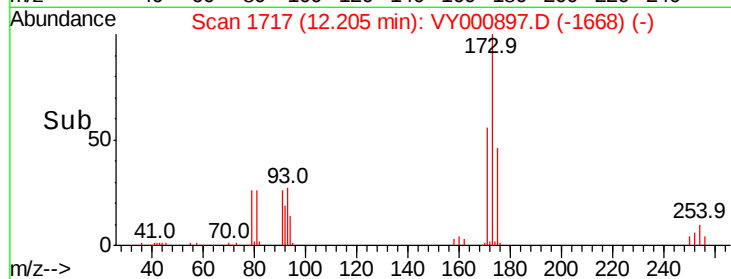
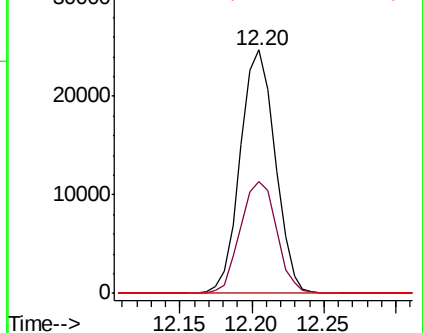
254 0.0 0.0 0.0



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: VY000897.D

Acq: 06 Dec 2019 13:33

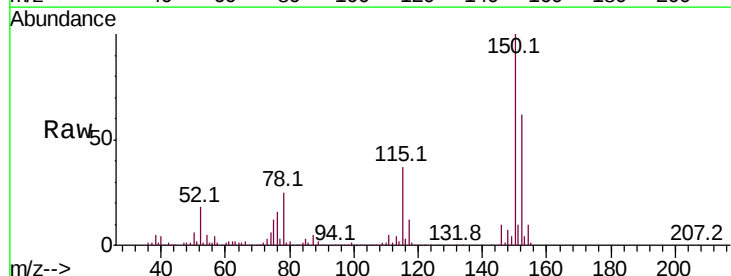
Tgt Ion:152 Resp: 248866

Ion Ratio Lower Upper

152 100

115 59.9 29.3 87.8

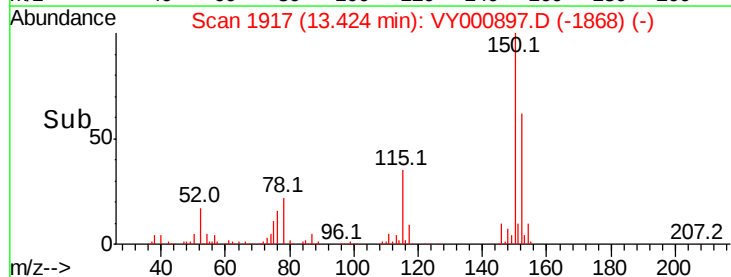
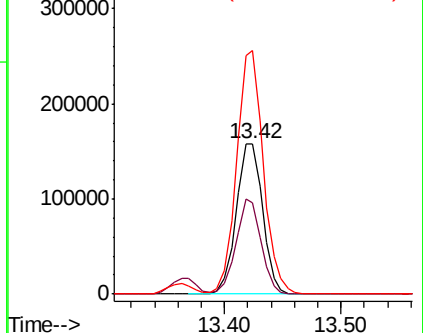
150 164.0 0.0 351.2

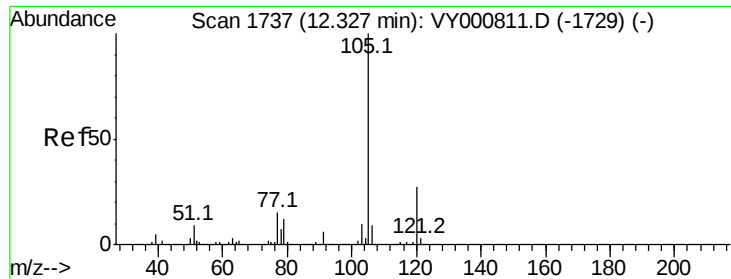


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.018 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

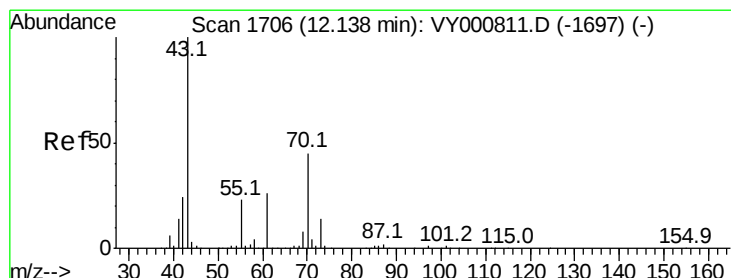
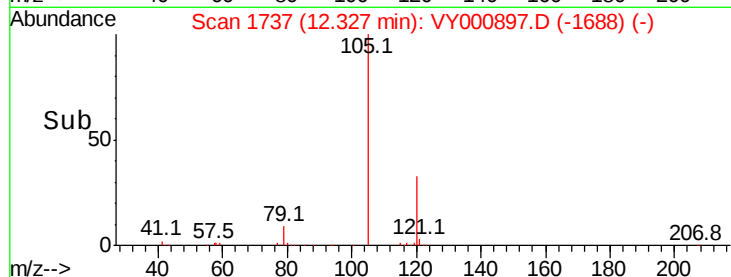
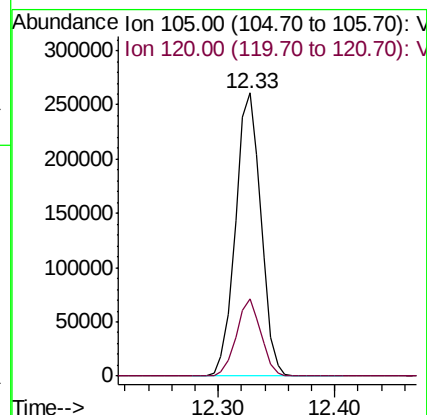
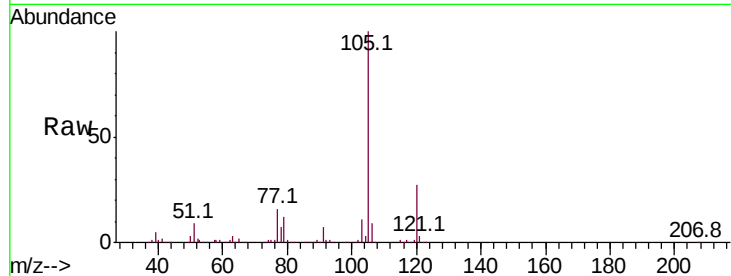
ClientSampleId :

Tot Ion:105 Resp: 396668

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



#74

N-ethyl acetate

Concen: 19.309 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Tgt Ion: 43 Resp: 106497

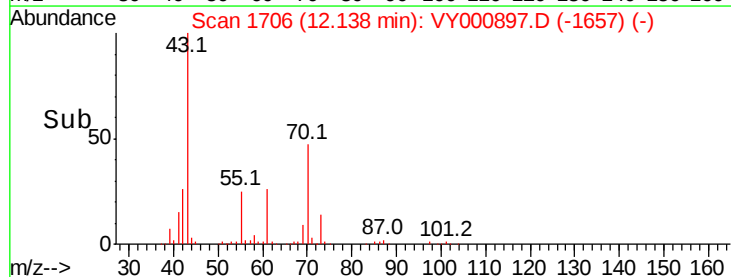
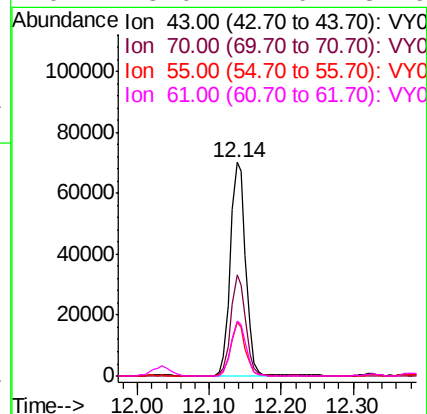
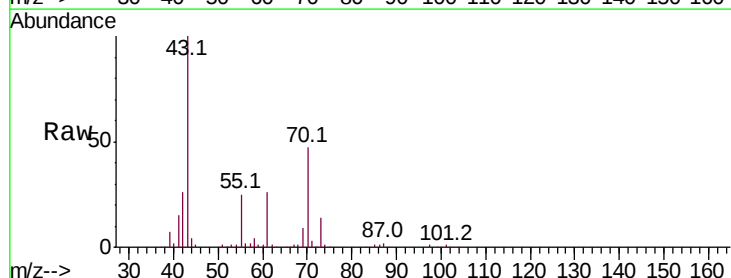
Ion Ratio Lower Upper

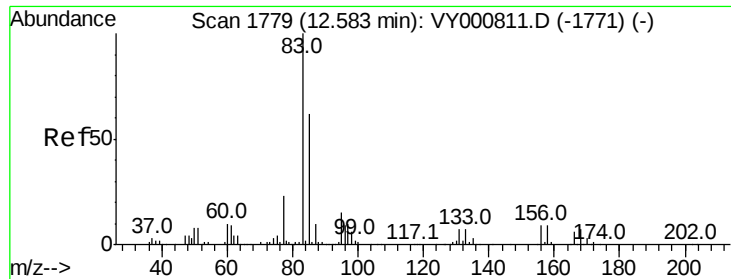
43 100

70 45.0 36.6 54.8

55 23.8 18.8 28.2

61 25.0 21.0 31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.297 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

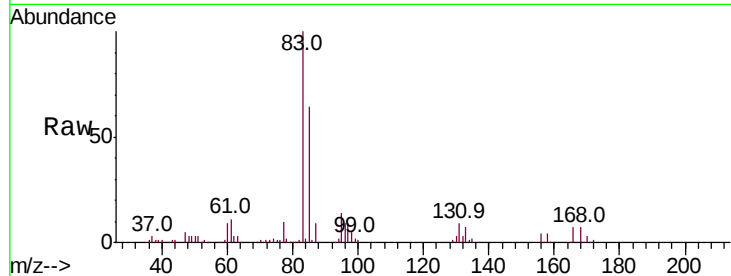
Tot Ion: 83 Resp: 75343

Ion Ratio Lower Upper

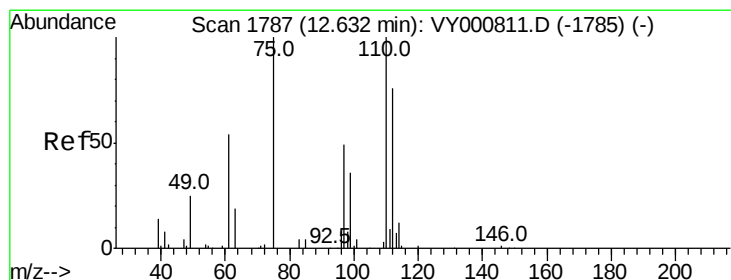
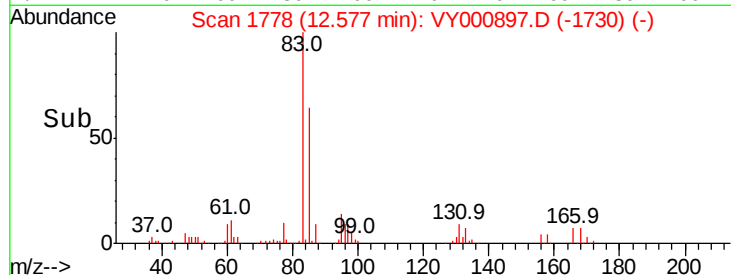
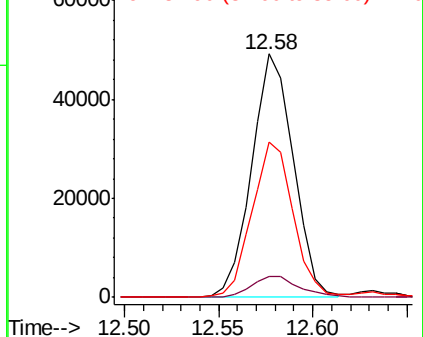
83 100

131 10.0 4.3 13.1

85 63.3 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



#76

1,2,3-Trichloropropane

Concen: 37.525 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

Lab File: VY000897.D

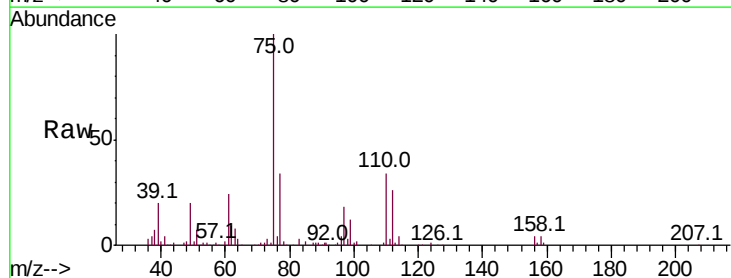
Acq: 06 Dec 2019 13:33

Tgt Ion: 75 Resp: 105806

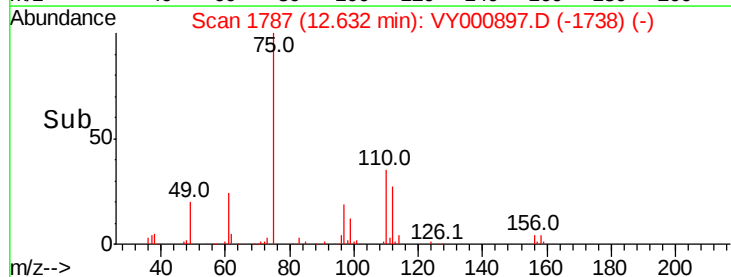
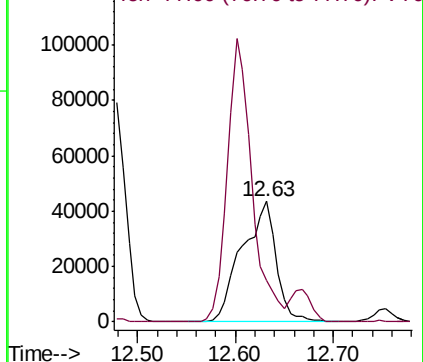
Ion Ratio Lower Upper

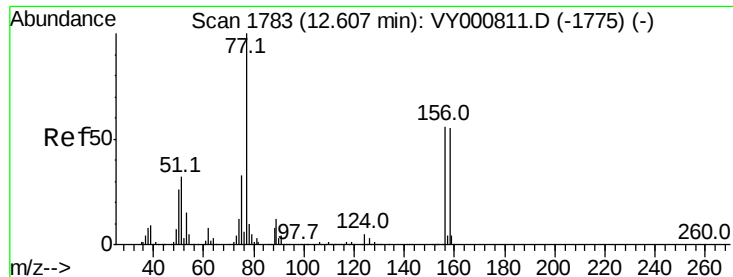
75 100

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





#77

Bromobenzene

Concen: 20.096 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampled :

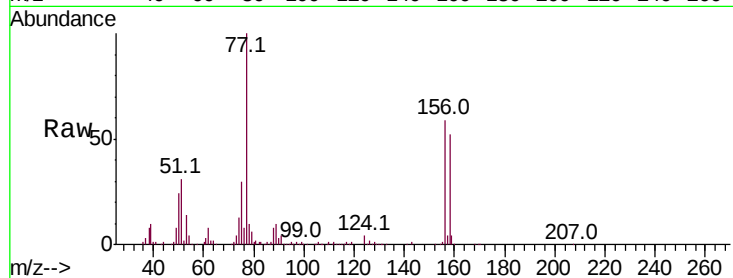
Tot Ion:156 Resp: 86318

Ion Ratio Lower Upper

156 100

77 208.2 102.6 307.7

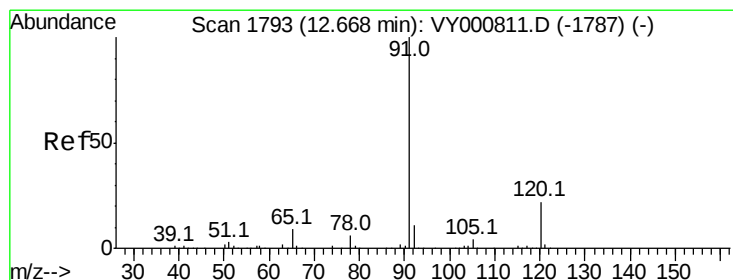
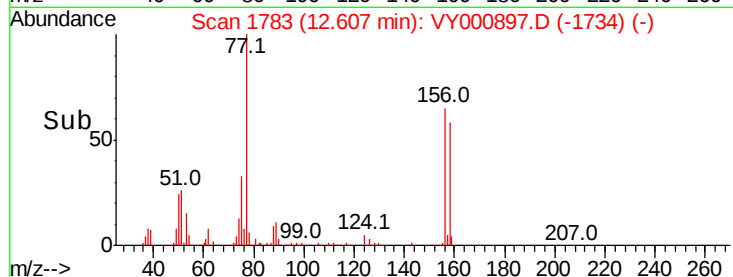
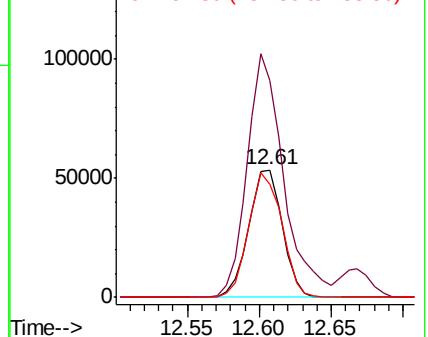
158 96.2 47.6 142.8



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: 20.038 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000897.D

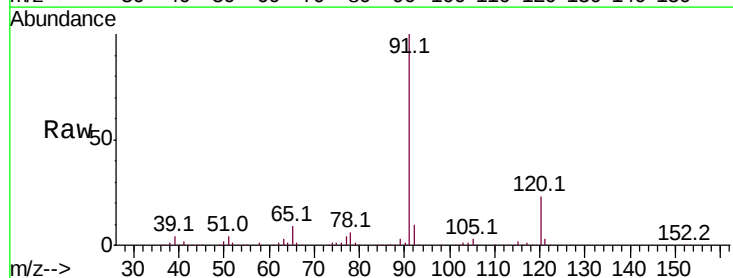
Acq: 06 Dec 2019 13:33

Tgt Ion: 91 Resp: 484814

Ion Ratio Lower Upper

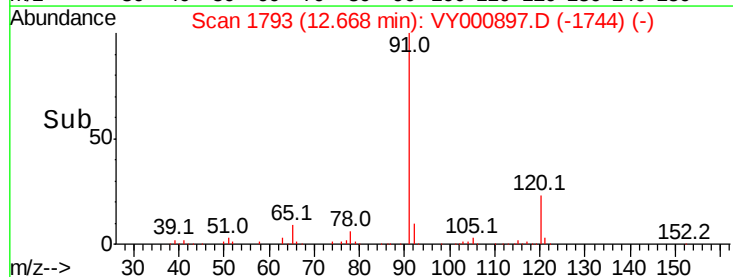
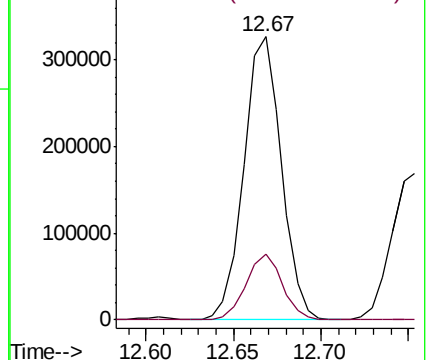
91 100

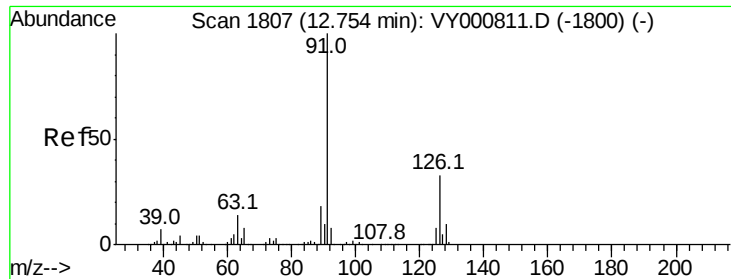
120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.845 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

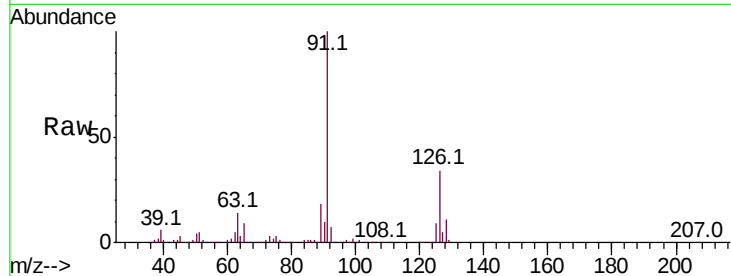
ClientSampleId :

Tot Ion: 91 Resp: 265254

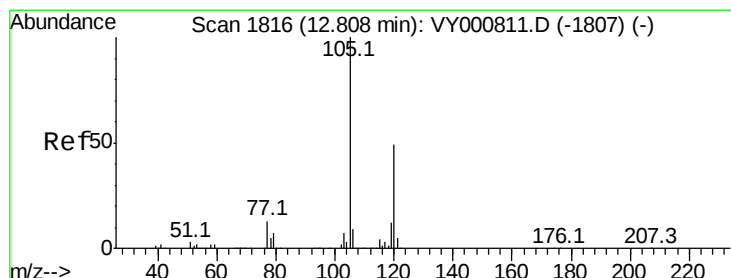
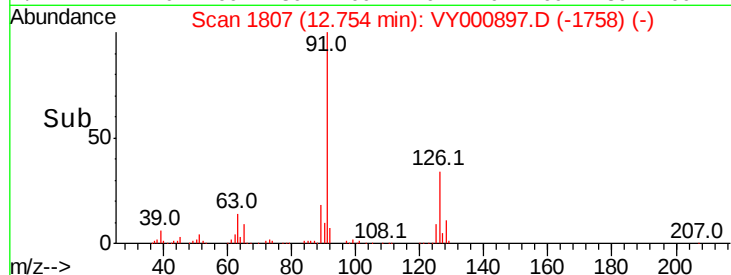
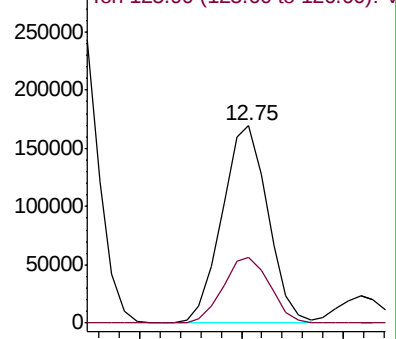
Ion Ratio Lower Upper

91 100

126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VY000811.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.894 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY000897.D

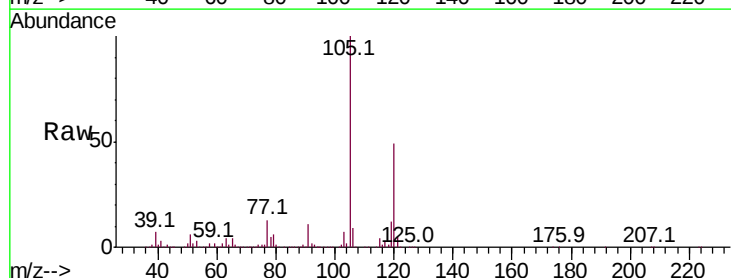
Acq: 06 Dec 2019 13:33

Tgt Ion: 105 Resp: 326386

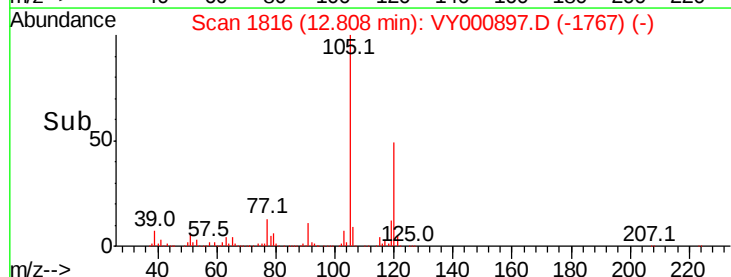
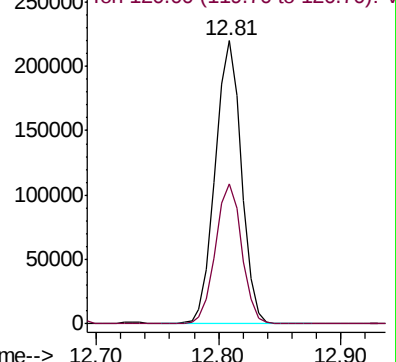
Ion Ratio Lower Upper

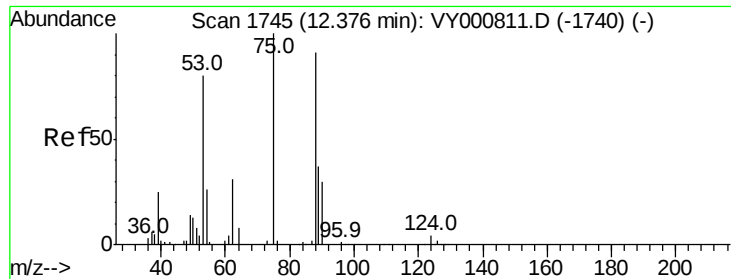
105 100

120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VY000811.D (-1807) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.485 ug/l

RT: 12.37 min Scan# 1744

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

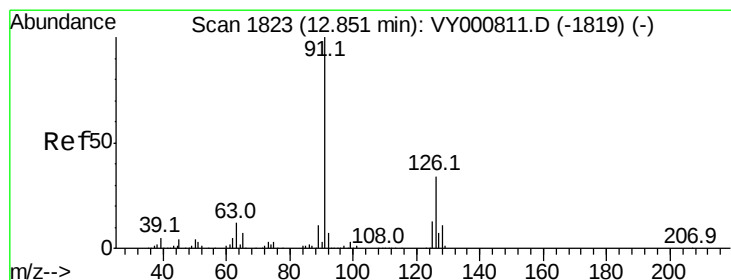
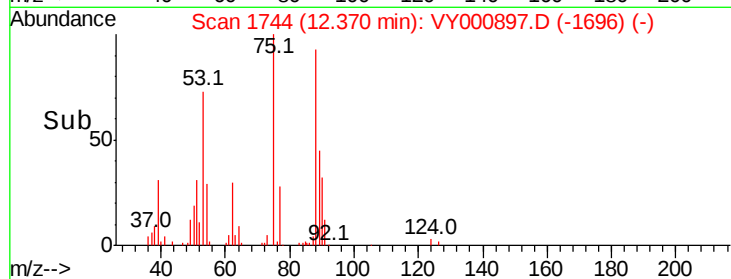
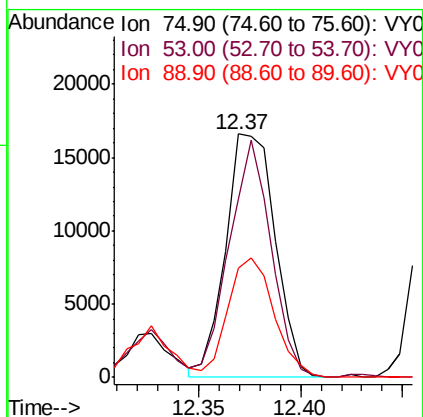
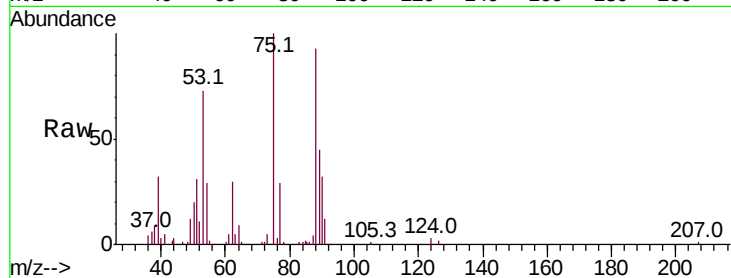
Tot Ion: 75 Resp: 27969

Ion Ratio Lower Upper

75 100

53 82.6 64.6 96.8

89 45.3 33.6 50.4



#82

4-Chlorotoluene

Concen: 20.204 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VY000897.D

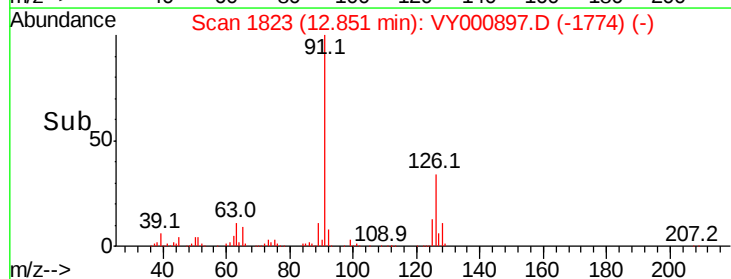
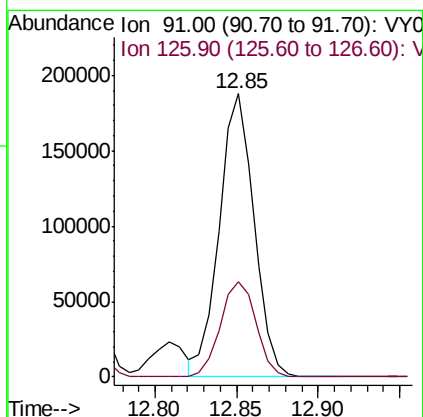
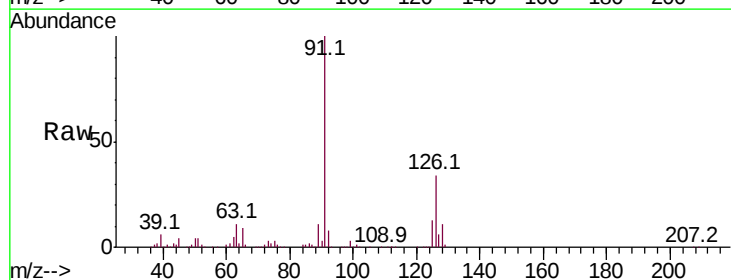
Acq: 06 Dec 2019 13:33

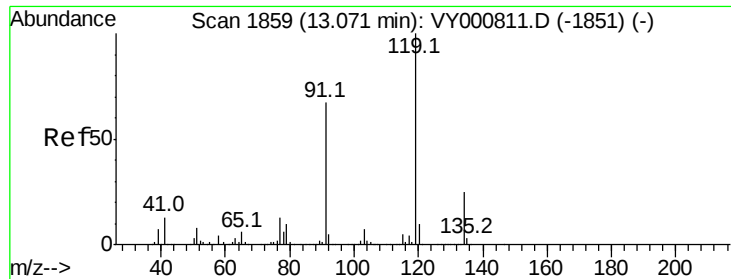
Tgt Ion: 91 Resp: 278230

Ion Ratio Lower Upper

91 100

126 34.8 17.3 51.9

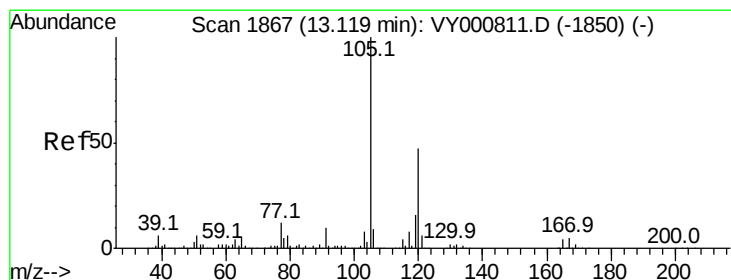
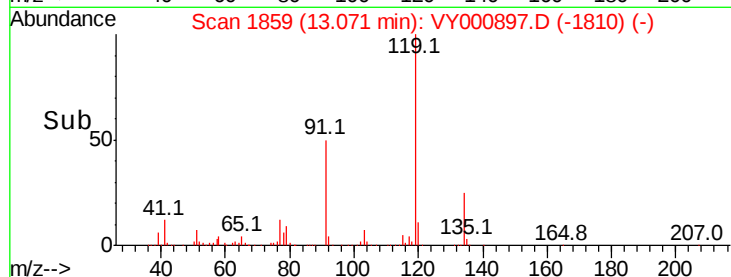
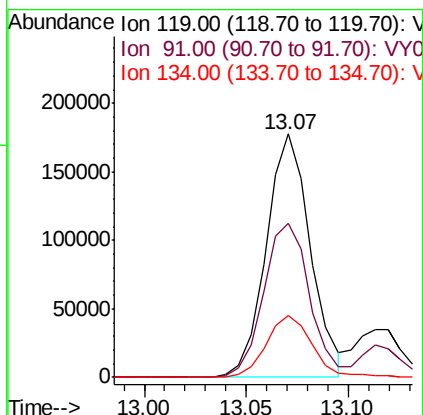
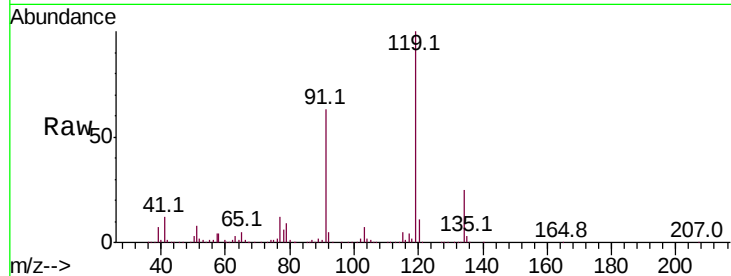




#83
tert-Butylbenzene
Concen: 19.413 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

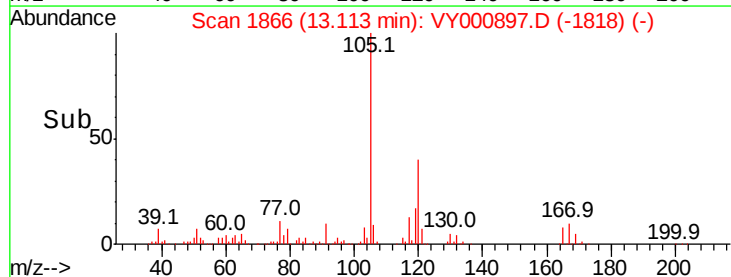
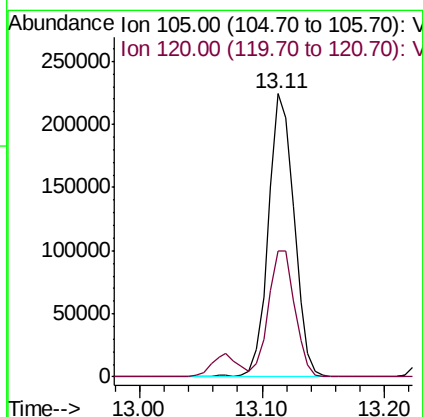
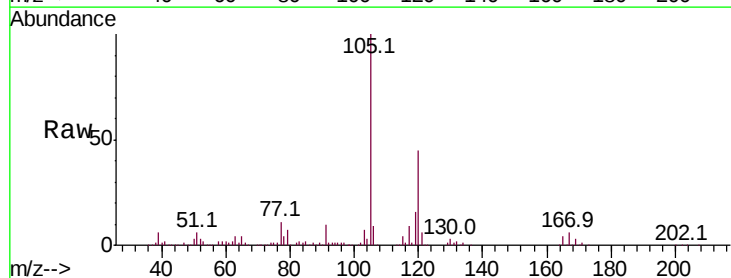
Instrument :
MSVOA_Y
ClientSampled :

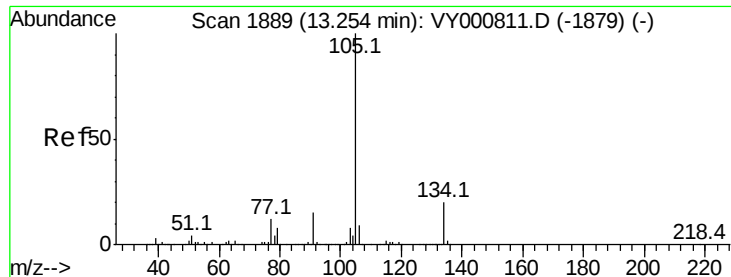
Tot Ion:119 Resp: 267777
Ion Ratio Lower Upper
119 100
91 65.4 32.3 96.8
134 26.5 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 19.884 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion:105 Resp: 326391
Ion Ratio Lower Upper
105 100
120 46.0 22.6 67.8

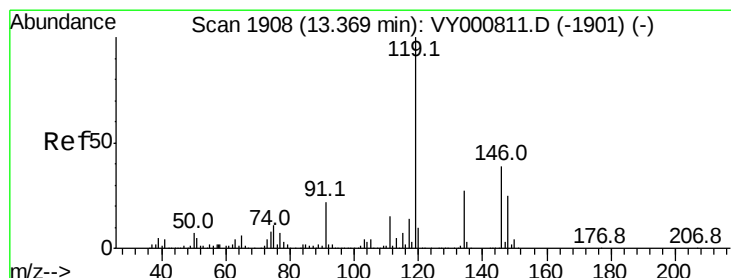
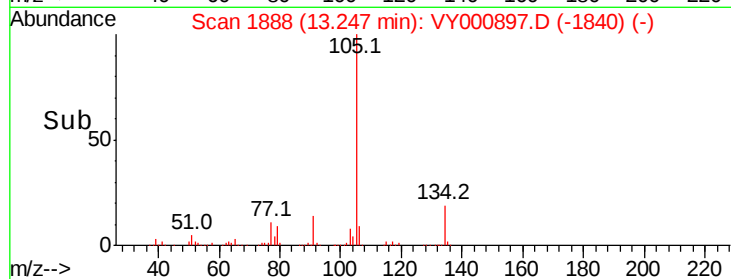
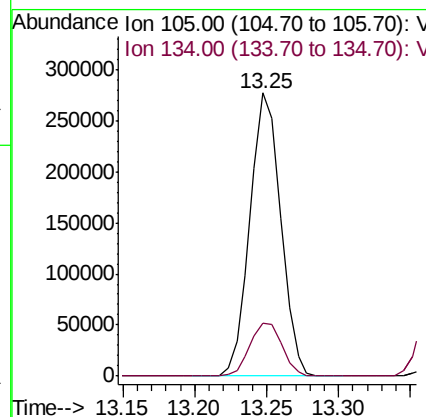
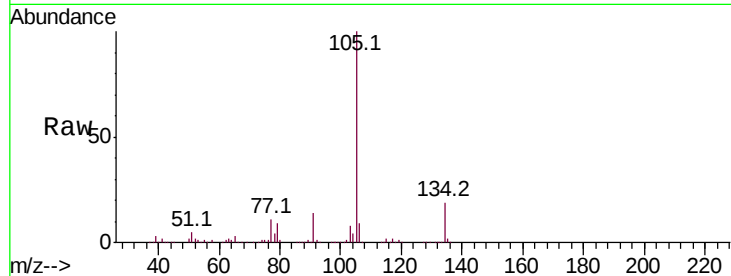




#85
 sec-Butylbenzene
 Concen: 20.409 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

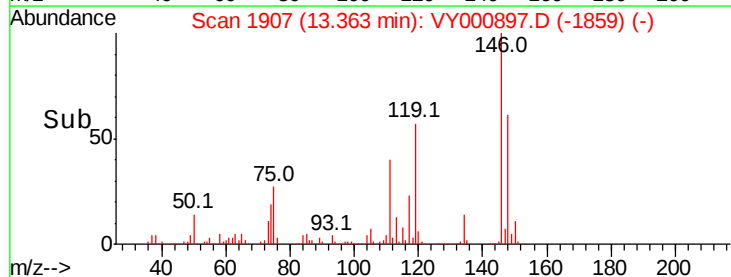
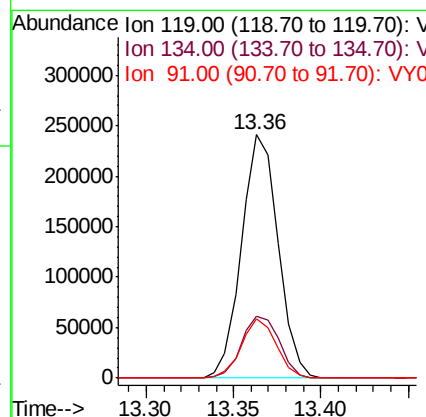
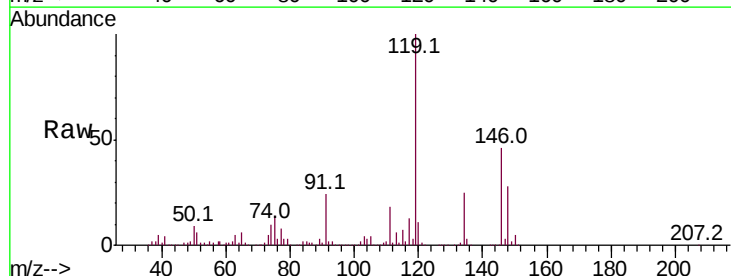
Instrument :
 MSVOA_Y
 ClientSampleId :

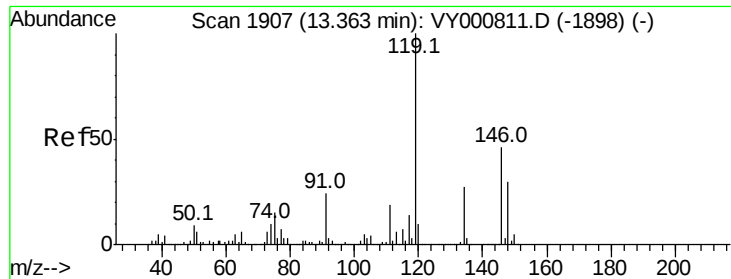
Tot Ion:105 Resp: 409426
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 20.102 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion:119 Resp: 350753
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.5 40.4
 91 23.1 11.5 34.5

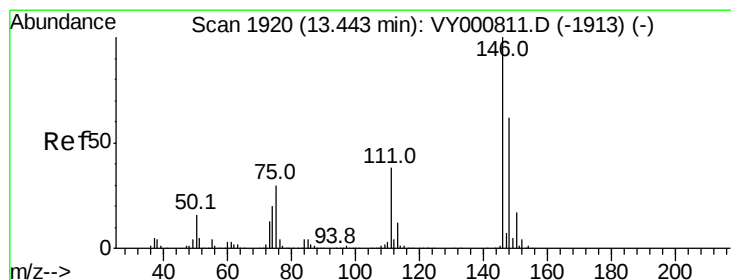
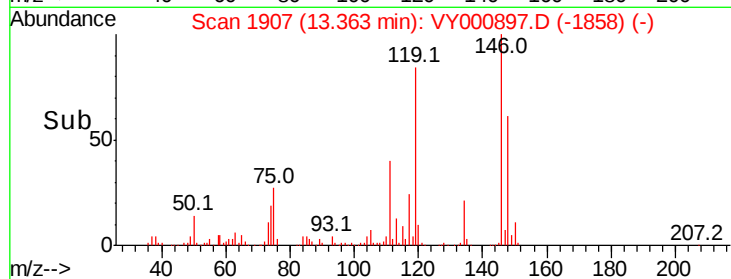
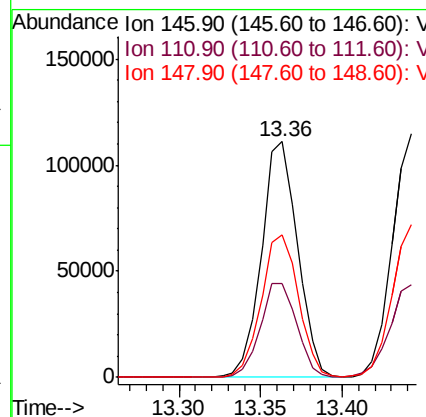
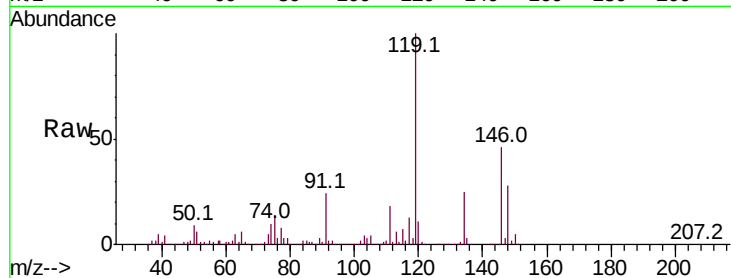




#87
 1,3-Dichlorobenzene
 Concen: 20.219 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

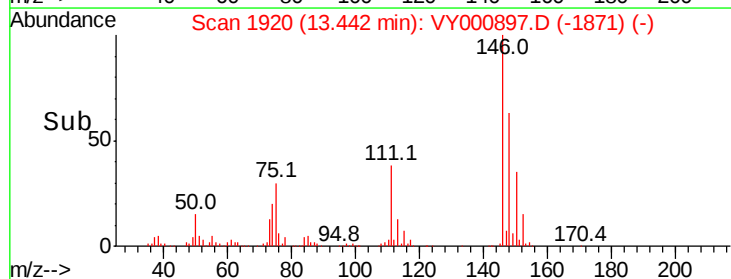
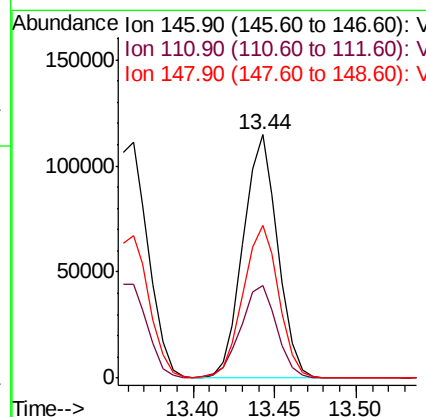
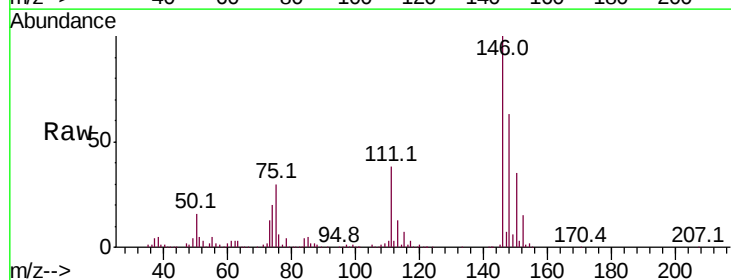
Instrument :
 MSVOA_Y
 ClientSampled :

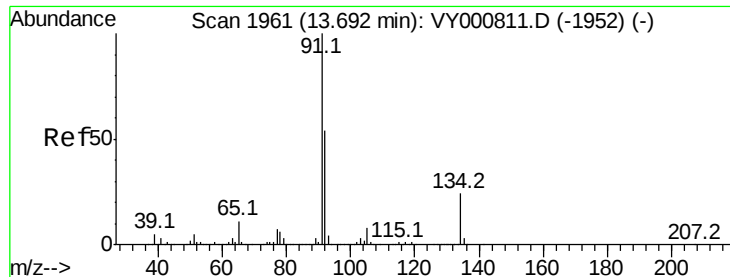
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	62.3	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.274 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	59.9
148	64.8	31.7	95.1

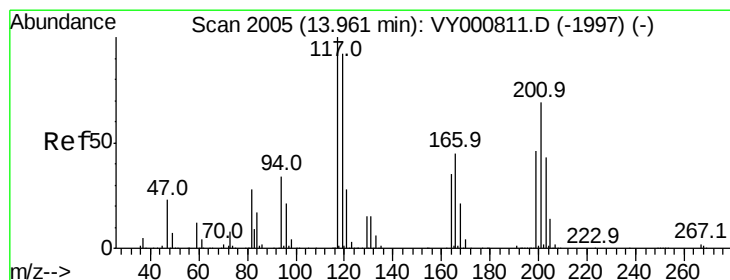
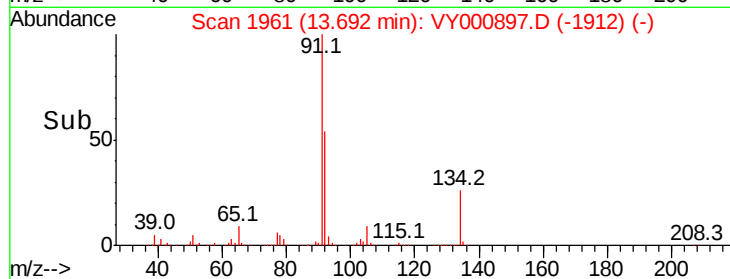
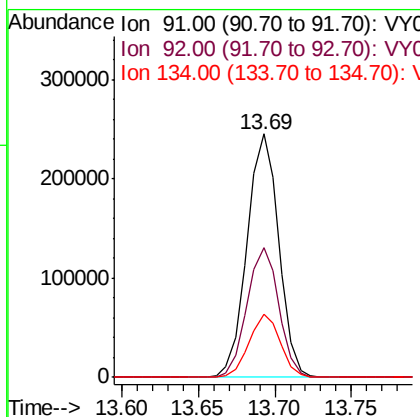
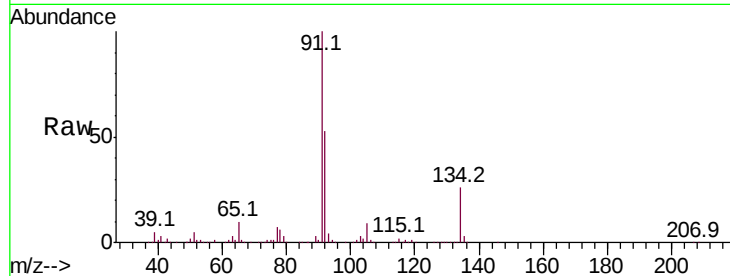




#89
n-Butylbenzene
Concen: 20.071 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

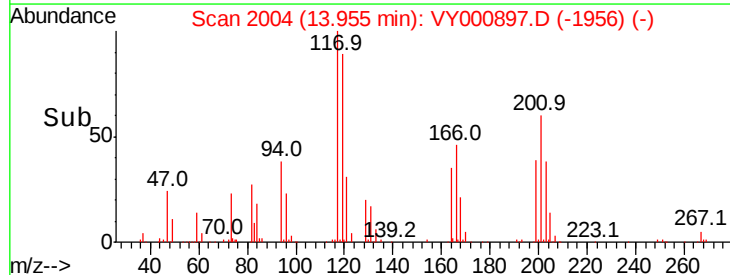
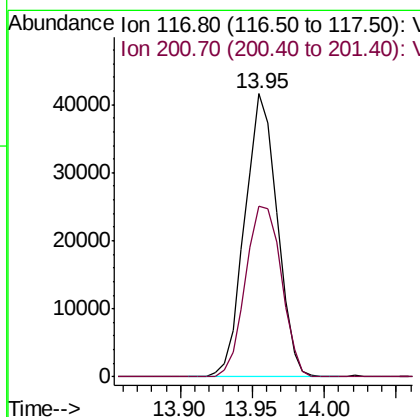
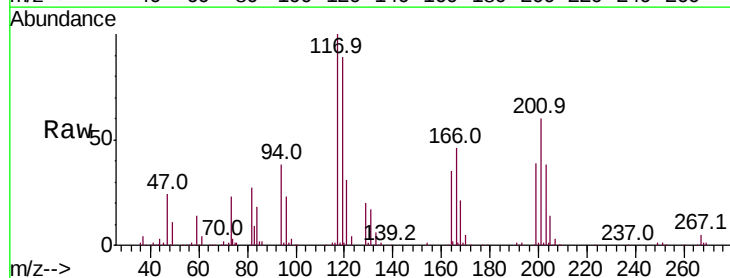
Instrument :
MSVOA_Y
ClientSampleId :

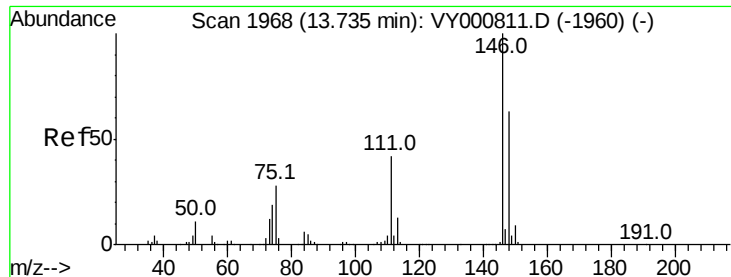
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.9	80.7
134	25.5	12.6	37.6



#90
Hexachloroethane
Concen: 20.139 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.8	34.0	102.0





#91

1,2-Dichlorobenzene

Concen: 20.333 ug/l

RT: 13.74 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

Instrument :

MSVOA_Y

ClientSampleId :

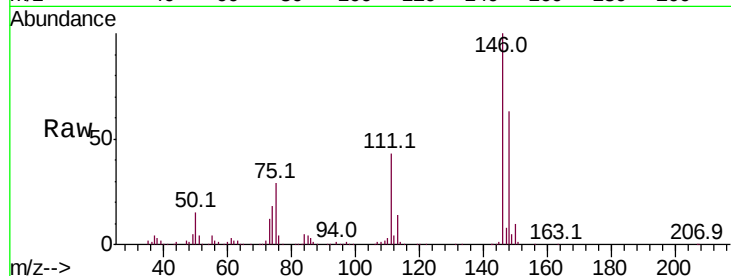
Tot Ion:146 Resp: 154108

Ion Ratio Lower Upper

146 100

111 41.9 20.9 62.7

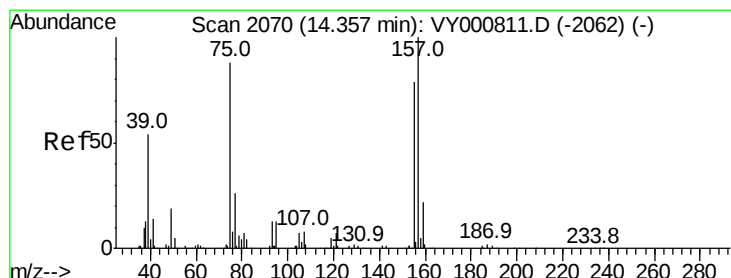
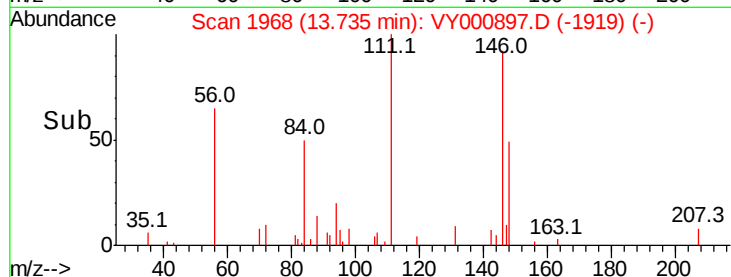
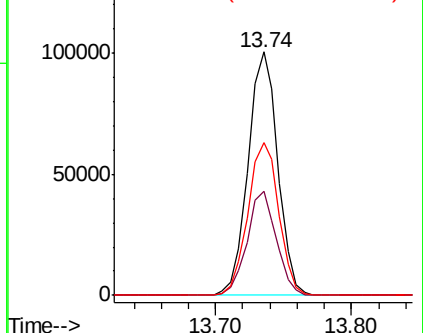
148 65.2 32.1 96.3



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: 19.977 ug/l

RT: 14.35 min Scan# 2069

Delta R.T. -0.01 min

Lab File: VY000897.D

Acq: 06 Dec 2019 13:33

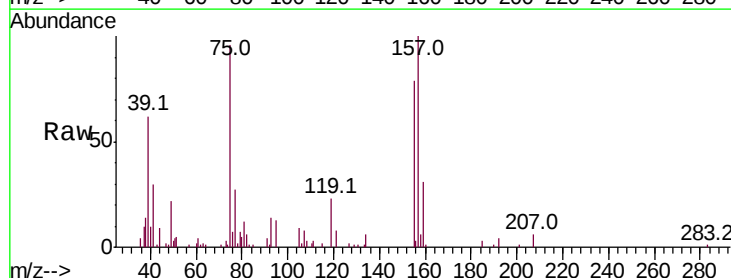
Tgt Ion: 75 Resp: 13058

Ion Ratio Lower Upper

75 100

155 78.8 44.3 132.9

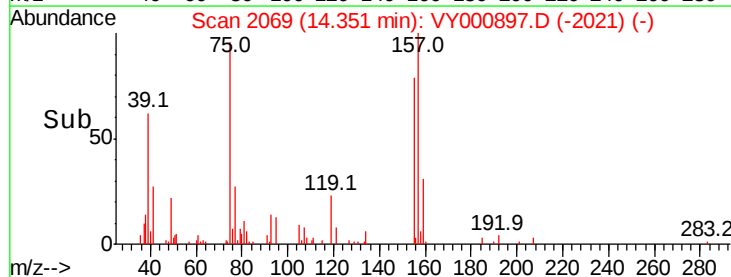
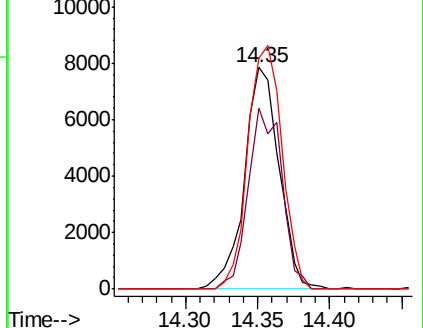
157 107.8 56.3 168.9

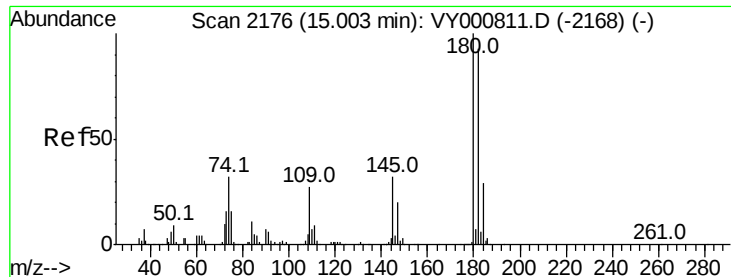


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

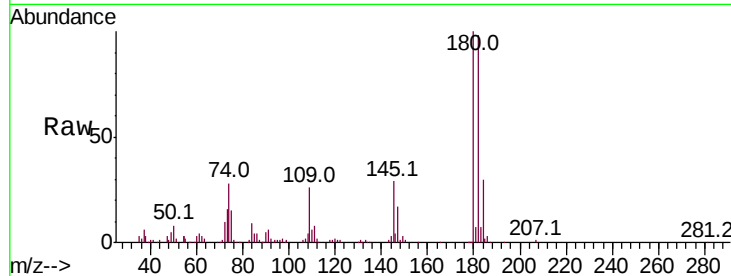




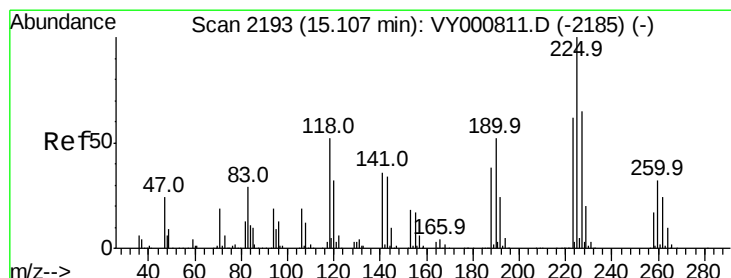
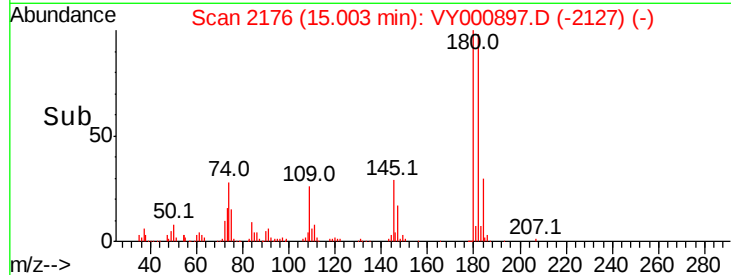
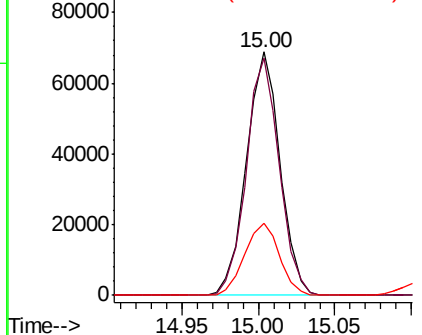
#93
 1,2,4-Trichlorobenzene
 Concen: 20.513 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Instrument :
 MSVOA_Y
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.9
145	30.7	16.0	47.9

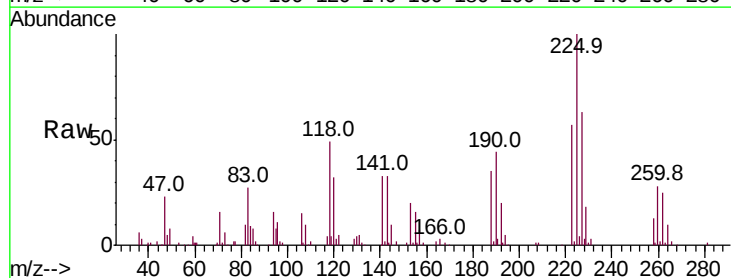


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

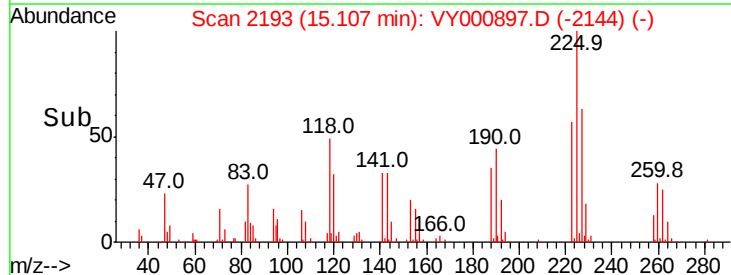
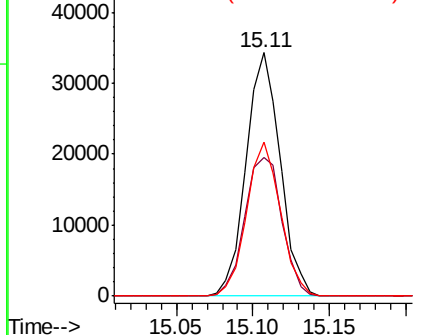


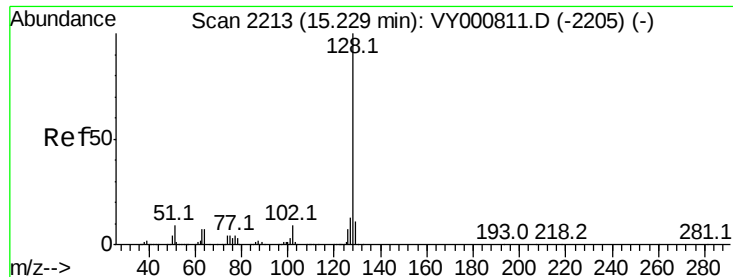
#94
 Hexachlorobutadiene
 Concen: 20.925 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000897.D
 Acq: 06 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.4	94.3
227	62.9	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

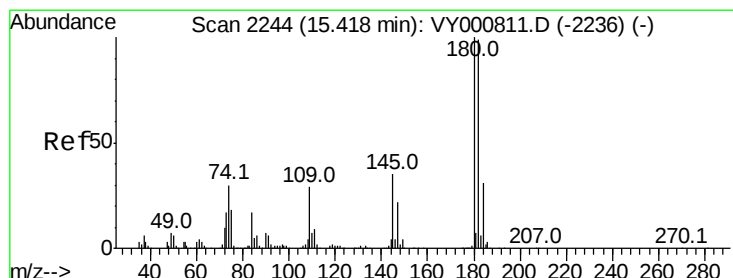
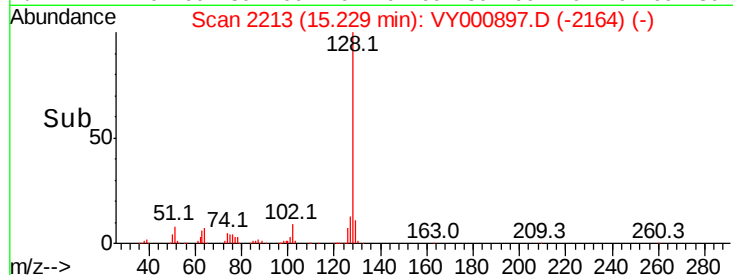
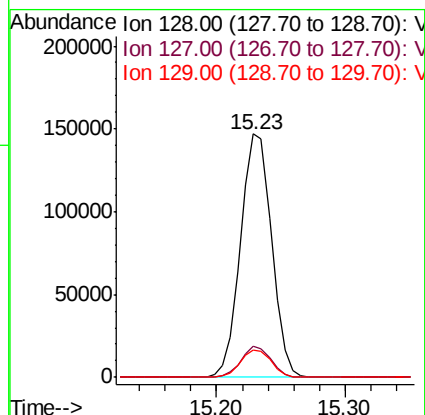
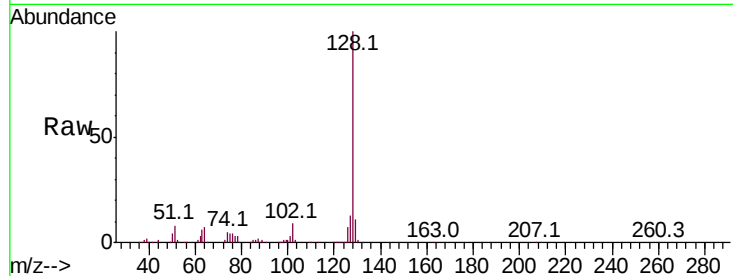




#95
Naphthalene
Concen: 20.584 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.2	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 20.413 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY000897.D
Acq: 06 Dec 2019 13:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.0
145	34.1	16.9	50.6

