

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY050720\
 Data File : VY002631.D
 Acq On : 07 May 2020 16:19
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 08 04:08:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y043020S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 04 12:22:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	363225	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.69	114	537572	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	480939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	248270	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	144752	47.40	ug/l	-0.01
Spiked Amount			Recovery	=	94.80%	
35) Dibromofluoromethane	7.72	113	155825	50.68	ug/l	-0.01
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	10.18	98	608714	50.70	ug/l	-0.01
Spiked Amount			Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.48	95	204975	50.31	ug/l	-0.01
Spiked Amount			Recovery	=	100.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	152001	50.622	ug/l	97
3) Chloromethane	2.12	50	156410	53.150	ug/l	99
4) Vinyl Chloride	2.26	62	182584	53.732	ug/l	99
5) Bromomethane	2.65	94	124279	53.035	ug/l	99
6) Chloroethane	2.80	64	108631	53.540	ug/l	100
7) Trichlorofluoromethane	3.13	101	283841	53.896	ug/l	99
8) Diethyl Ether	3.54	74	94651	53.482	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	174339	54.165	ug/l	99
10) Methyl Iodide	4.10	142	243753	55.586	ug/l	99
11) Tert butyl alcohol	4.97	59	71640	228.000	ug/l	100
12) 1,1-Dichloroethene	3.88	96	170798	54.623	ug/l	97
13) Acrolein	3.74	56	41774	192.261	ug/l	98
14) Allyl chloride	4.49	41	252233	55.365	ug/l	98
15) Acrylonitrile	5.18	53	211505	253.423	ug/l	100
16) Acetone	3.96	43	155564	246.813	ug/l	100
17) Carbon Disulfide	4.20	76	514952	54.743	ug/l	100
18) Methyl Acetate	4.49	43	102214	48.536	ug/l	99
19) Methyl tert-butyl Ether	5.24	73	425810	52.196	ug/l	98
20) Methylene Chloride	4.73	84	181869	51.599	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	186460	54.559	ug/l	98
22) Diisopropyl ether	6.13	45	500405	54.285	ug/l	99
23) Vinyl Acetate	6.07	43	1532455	264.341	ug/l	100
24) 1,1-Dichloroethane	6.03	63	296859	54.435	ug/l	99
25) 2-Butanone	7.00	43	254204	246.382	ug/l	99
26) 2,2-Dichloropropane	6.99	77	269740	52.037	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	204581	54.101	ug/l	99
28) Bromochloromethane	7.35	49	118455	53.015	ug/l	99
29) Tetrahydrofuran	7.35	42	173896	254.747	ug/l	100
30) Chloroform	7.52	83	303495	53.523	ug/l	97
31) Cyclohexane	7.79	56	289769	52.788	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	284985	54.073	ug/l	99
36) 1,1-Dichloropropene	7.93	75	245585	54.495	ug/l	99
37) Ethyl Acetate	7.08	43	114672	49.517	ug/l	98
38) Carbon Tetrachloride	7.91	117	264327	53.725	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	328300	55.156	ug/l	99
40) Benzene	8.17	78	709038	54.475	ug/l	100
41) Methacrylonitrile	7.35	41	158827	127.559	ug/l #	42
42) 1,2-Dichloroethane	8.24	62	184191	50.451	ug/l	98
43) Isopropyl Acetate	8.28	43	225713	51.990	ug/l	100
44) Trichloroethene	8.94	130	224341	55.153	ug/l	96
45) 1,2-Dichloropropane	9.22	63	169134	53.842	ug/l	100
46) Dibromomethane	9.31	93	93372	51.662	ug/l	98
47) Bromodichloromethane	9.50	83	234847	53.439	ug/l	98
48) Methyl methacrylate	9.30	41	101751	51.787	ug/l	98
49) 1,4-Dioxane	9.30	88	25145	1050.761	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	577754	258.185	ug/l	100
52) Toluene	10.24	92	455441	54.447	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	247664	53.787	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	287843	54.074	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	137765	52.270	ug/l	98
56) Ethyl methacrylate	10.51	69	188658	53.806	ug/l	97
57) 1,3-Dichloropropane	10.79	76	234595	52.486	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	470048	254.213	ug/l	99
59) 2-Hexanone	10.83	43	402777	261.514	ug/l	99
60) Dibromochloromethane	10.99	129	177449	52.935	ug/l	99
61) 1,2-Dibromoethane	11.09	107	133480	51.147	ug/l	100
64) Tetrachloroethene	10.72	164	245736	57.507	ug/l	97
65) Chlorobenzene	11.52	112	495447	54.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	186960	55.089	ug/l	99
67) Ethyl Benzene	11.60	91	888207	55.307	ug/l	99
68) m/p-Xylenes	11.70	106	689123	110.901	ug/l	100
69) o-Xylene	12.03	106	323987	55.686	ug/l	99
70) Styrene	12.05	104	553533	55.652	ug/l	99
71) Bromoform	12.21	173	111844	53.097	ug/l	100
73) Isopropylbenzene	12.33	105	885643	55.042	ug/l	100
74) N-amyl acetate	12.14	43	206800	53.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	126101	49.279	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	202389	91.732	ug/l #	100
77) Bromobenzene	12.61	156	214462	53.349	ug/l	100
78) n-propylbenzene	12.67	91	1028359	55.074	ug/l	100
79) 2-Chlorotoluene	12.75	91	566404	54.761	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	737053	55.261	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	56646	51.483	ug/l	100
82) 4-Chlorotoluene	12.86	91	587623	54.085	ug/l	99
83) tert-Butylbenzene	13.08	119	650736	55.644	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	732001	55.069	ug/l	100
85) sec-Butylbenzene	13.25	105	900994	55.521	ug/l	99
86) p-Isopropyltoluene	13.37	119	836142	54.990	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	411626	54.101	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	407601	54.102	ug/l	100
89) n-Butylbenzene	13.70	91	771733	55.752	ug/l	100
90) Hexachloroethane	13.96	117	154845	55.920	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	366640	54.004	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23908	50.121	ug/l	98

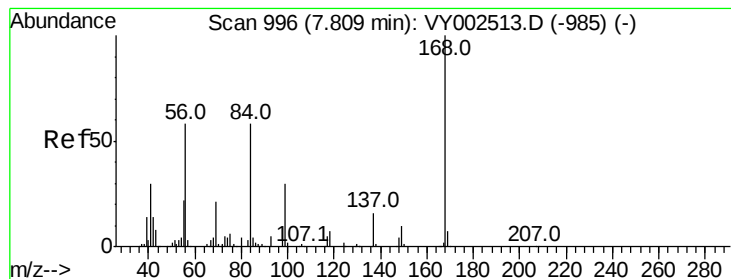
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	265896	53.945	ug/l	100
94) Hexachlorobutadiene	15.11	225	162697	54.990	ug/l	99
95) Naphthalene	15.23	128	478259	53.189	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	226398	54.106	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

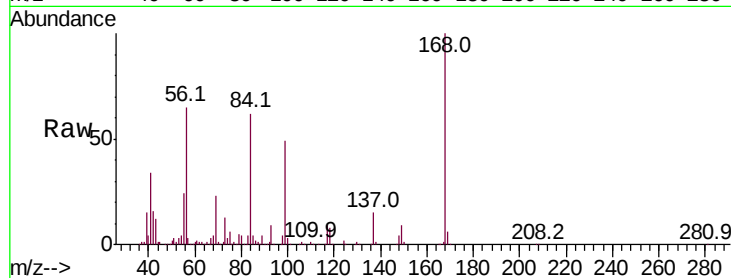
ClientSampled :

Tot Ion:168 Resp: 363225

Ion Ratio Lower Upper

168 100

99 49.5 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): VY002513.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY002513.D (-985) (-)

7.80

150000

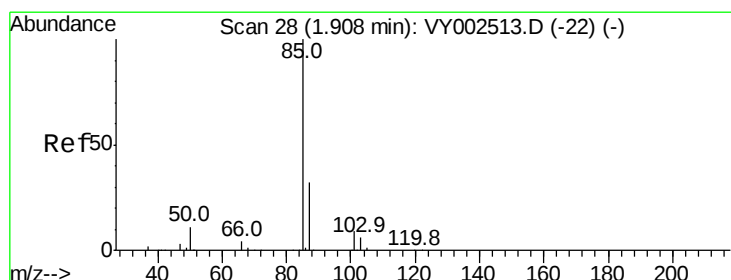
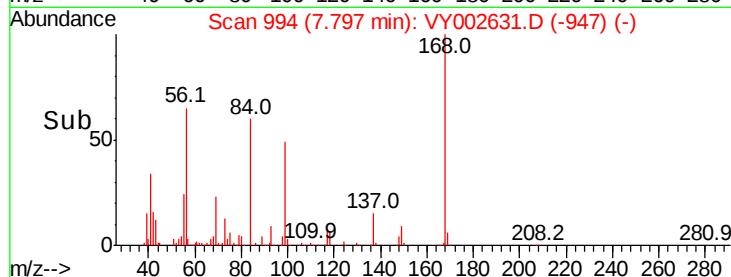
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.622 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.00 min

Lab File: VY002631.D

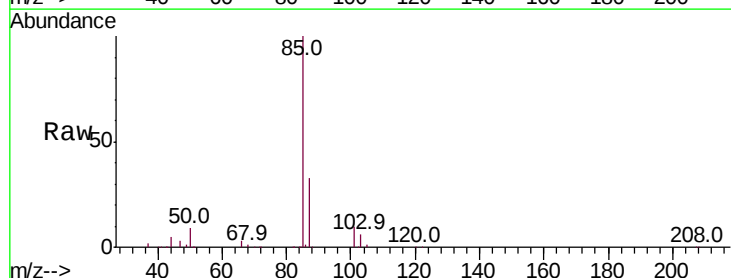
Acq: 07 May 2020 16:19

Tgt Ion: 85 Resp: 152001

Ion Ratio Lower Upper

85 100

87 33.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VY002513.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY002513.D (-22) (-)

1.91

120000

100000

80000

60000

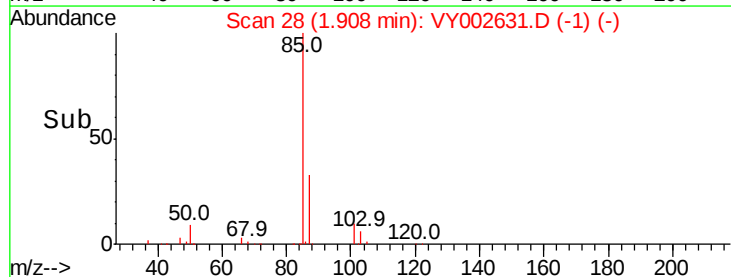
40000

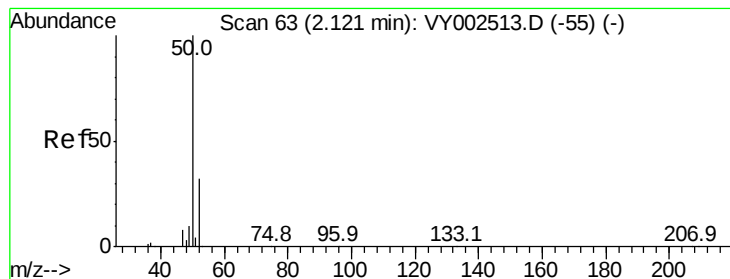
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 53.150 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

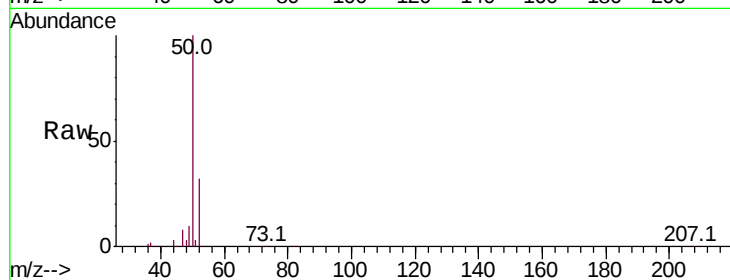
ClientSampled :

Tot Ion: 50 Resp: 156410

Ion Ratio Lower Upper

50 100

52 32.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

120000

100000

80000

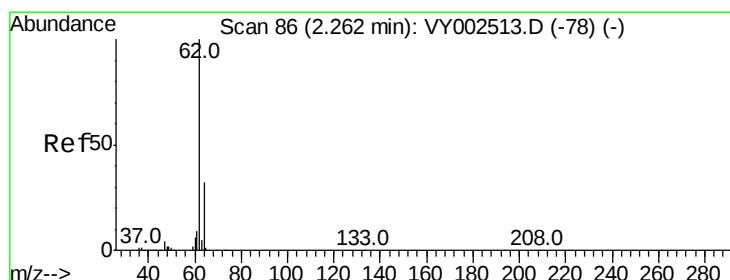
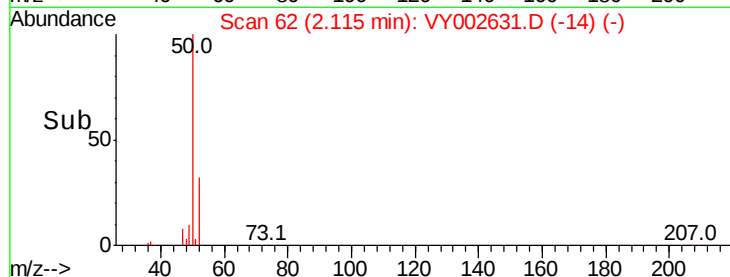
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 53.732 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY002631.D

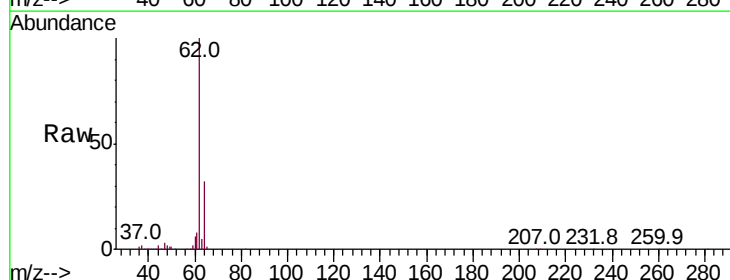
Acq: 07 May 2020 16:19

Tgt Ion: 62 Resp: 182584

Ion Ratio Lower Upper

62 100

64 32.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

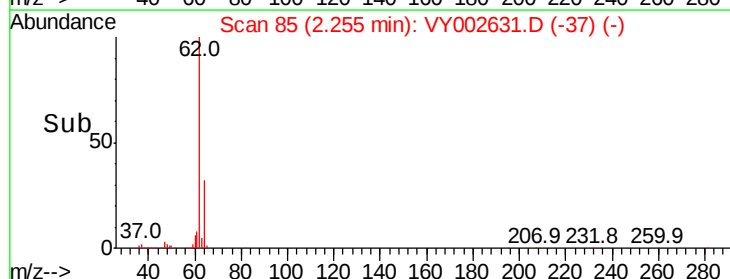
2.26

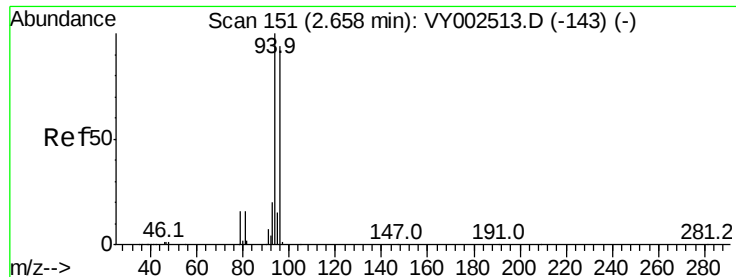
100000

50000

0

Time-->





#5

Bromomethane

Concen: 53.035 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

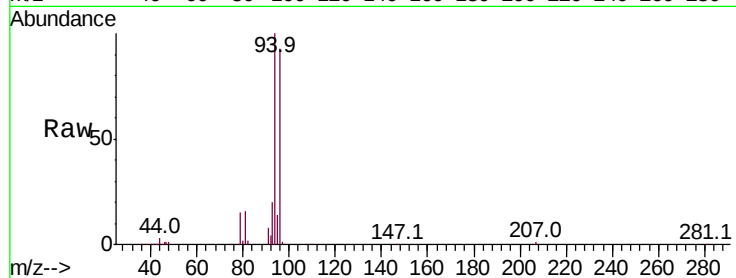
ClientSampleId :

Tot Ion: 94 Resp: 124279

Ion Ratio Lower Upper

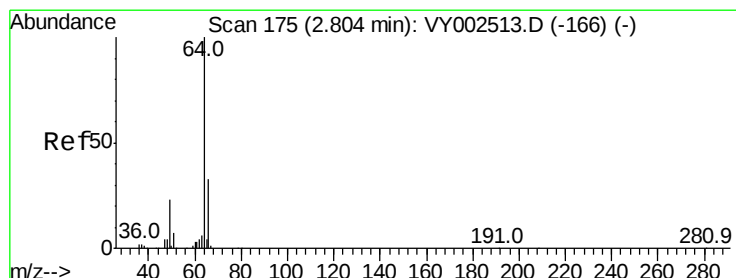
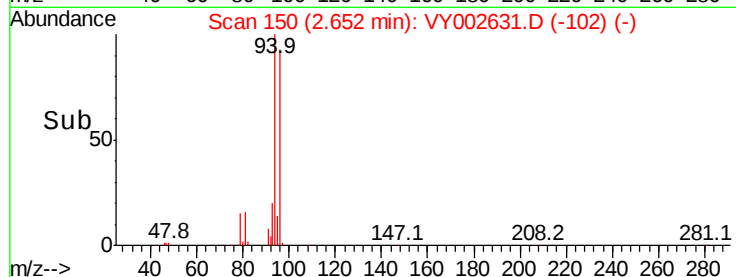
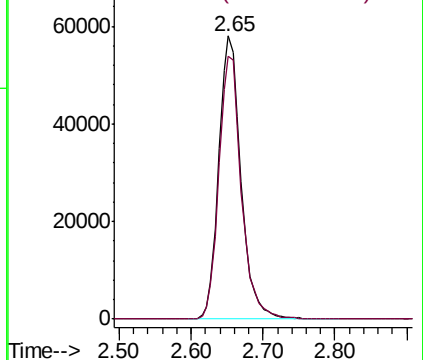
94 100

96 92.7 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.540 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY002631.D

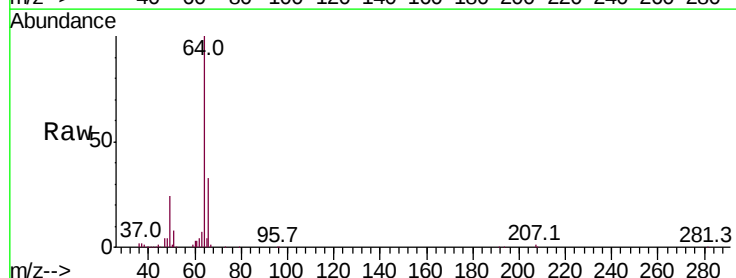
Acq: 07 May 2020 16:19

Tgt Ion: 64 Resp: 108631

Ion Ratio Lower Upper

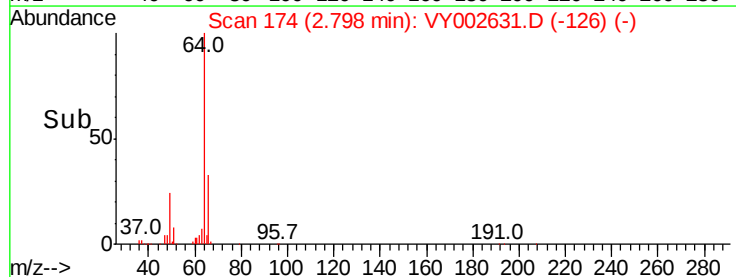
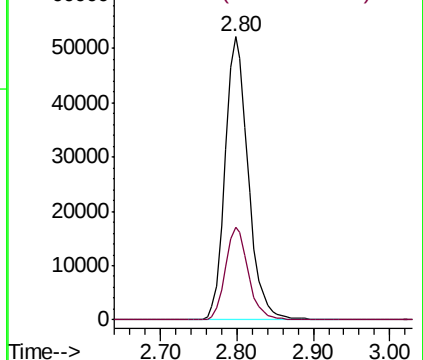
64 100

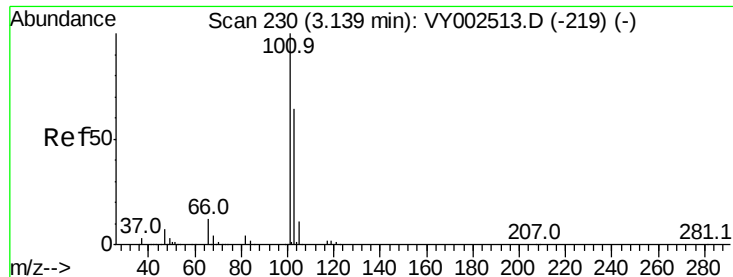
66 32.8 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



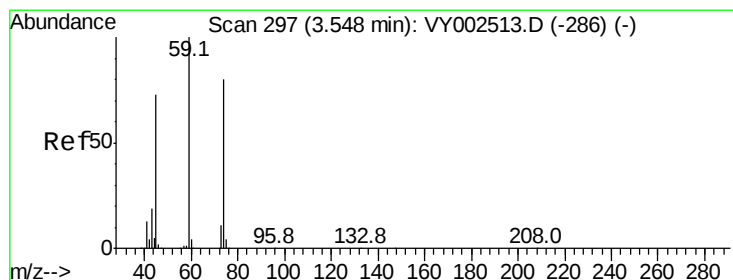
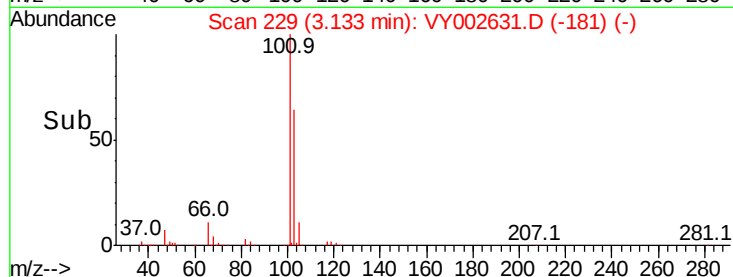
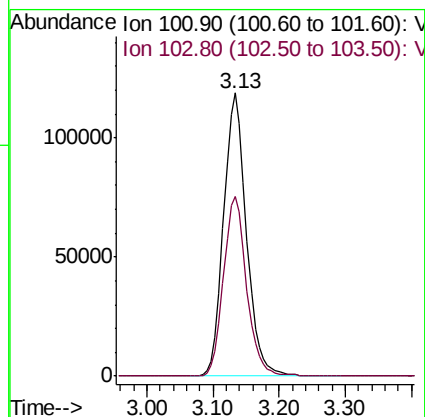
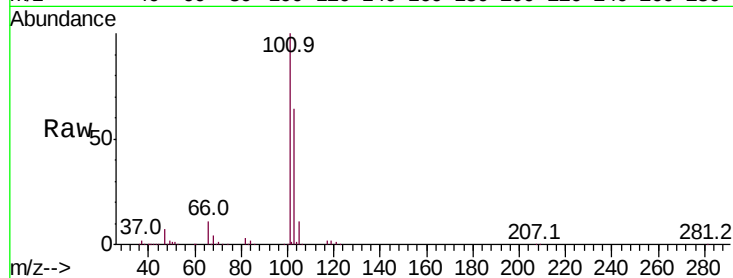


#7

Trichlorofluoromethane
Concen: 53.896 ug/l
RT: 3.13 min Scan# 229
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Instrument :
MSVOA_Y
ClientSampled :

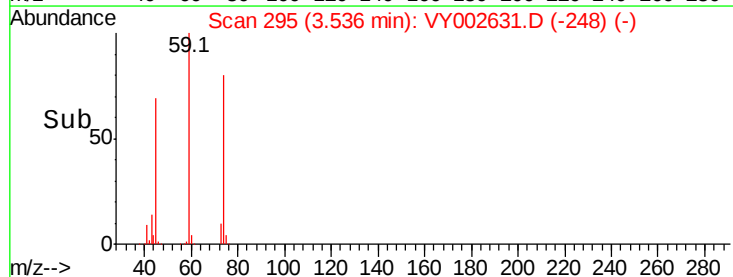
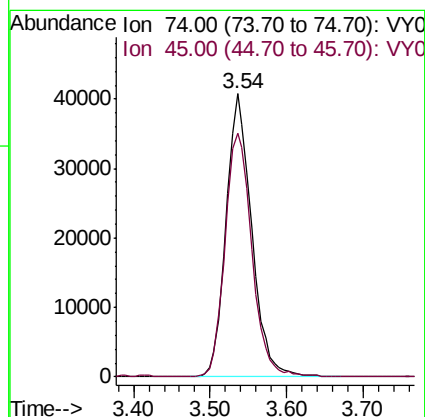
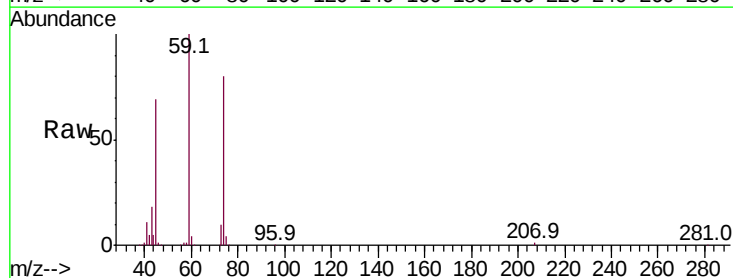
Tot Ion:101 Resp: 283841
Ion Ratio Lower Upper
101 100
103 63.6 51.4 77.0

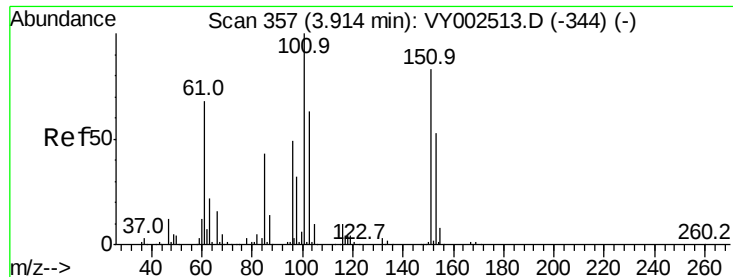


#8

Diethyl Ether
Concen: 53.482 ug/l
RT: 3.54 min Scan# 295
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 74 Resp: 94651
Ion Ratio Lower Upper
74 100
45 90.1 46.2 138.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.165 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

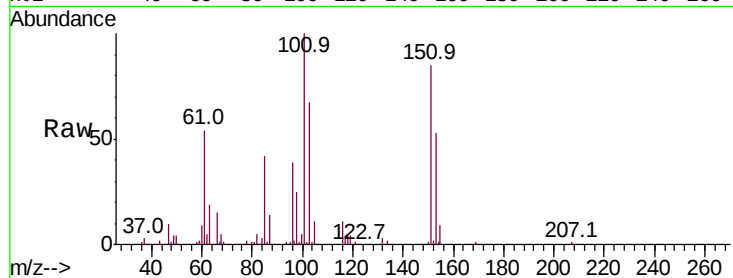
Tot Ion:101 Resp: 174339

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

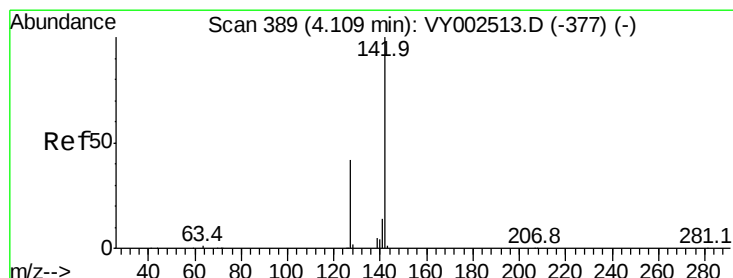
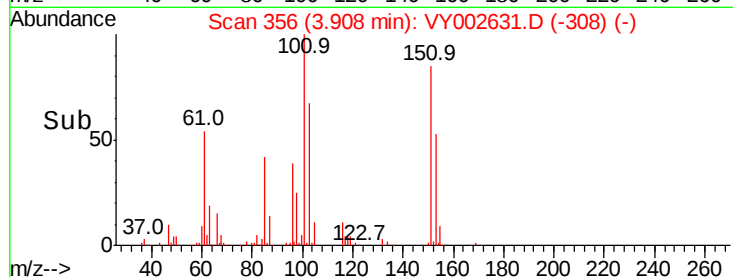
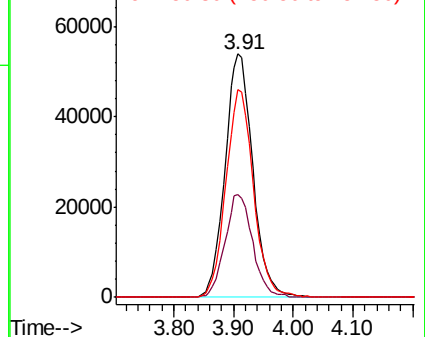
151 84.6 66.8 100.2



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: 55.586 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

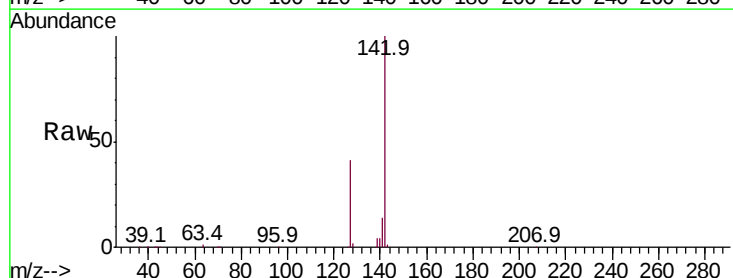
Tgt Ion:142 Resp: 243753

Ion Ratio Lower Upper

142 100

127 41.7 33.7 50.5

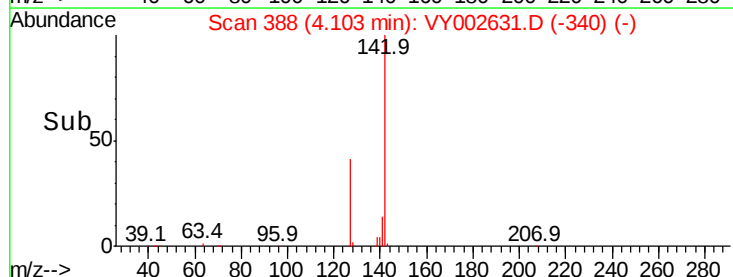
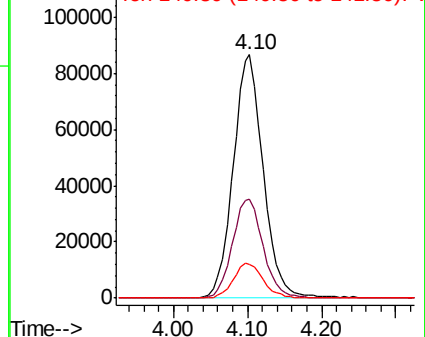
141 14.3 11.4 17.0

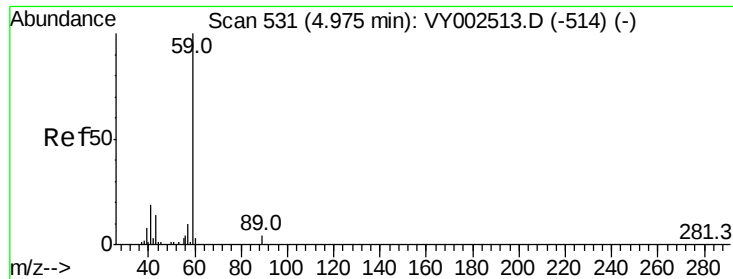


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



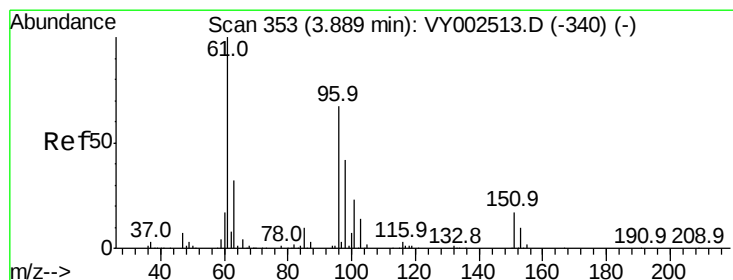
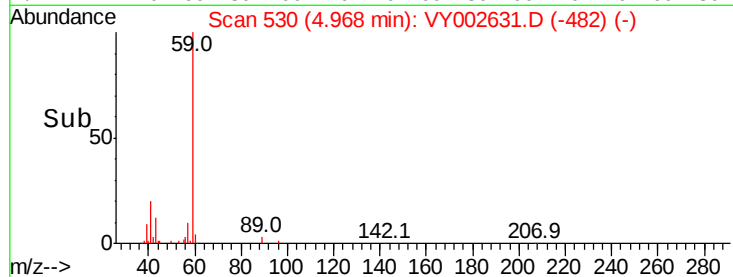
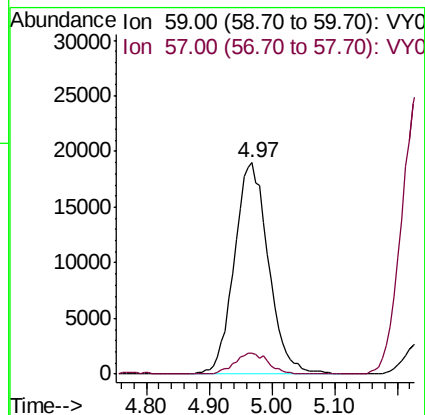
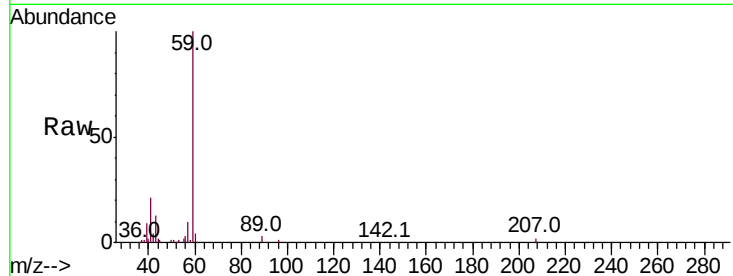


#11

Tert butyl alcohol
 Concen: 228.000 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Instrument :
 MSVOA_Y
 ClientSampleId :

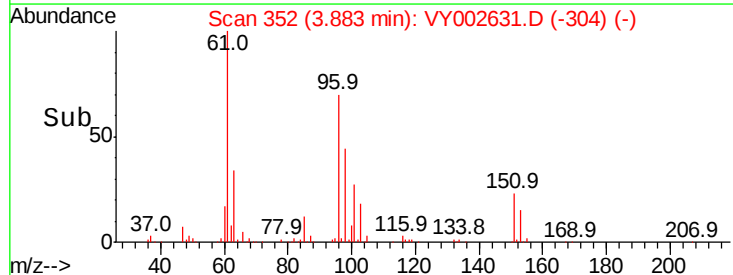
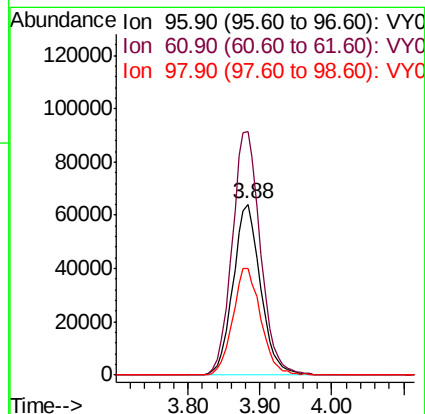
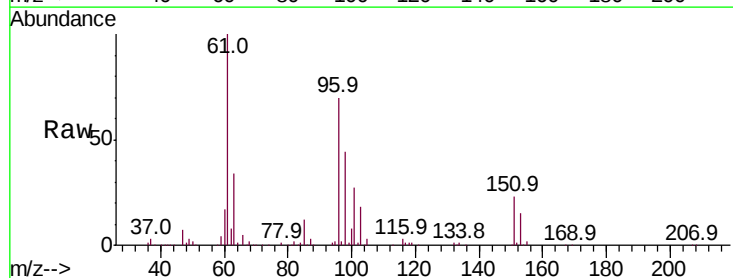
Tot Ion: 59 Resp: 71640
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

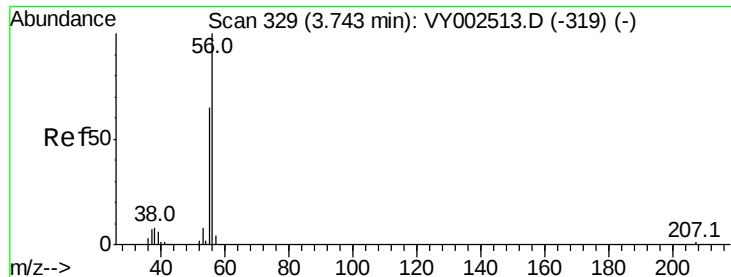


#12

1,1-Dichloroethene
 Concen: 54.623 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion: 96 Resp: 170798
 Ion Ratio Lower Upper
 96 100
 61 142.5 118.8 178.2
 98 62.3 49.6 74.4

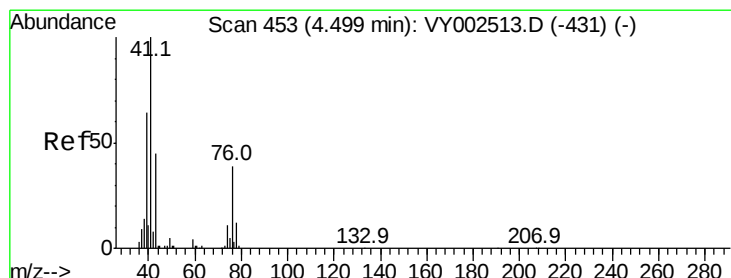
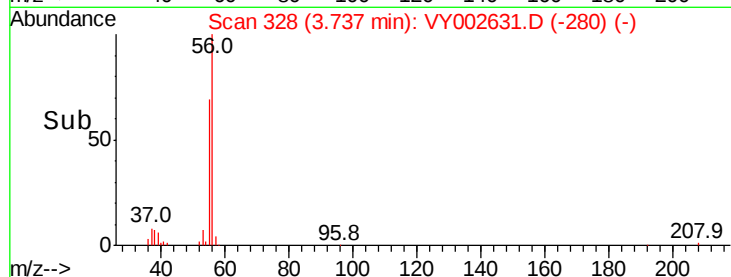
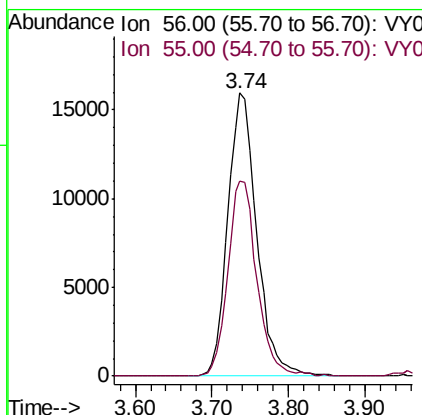
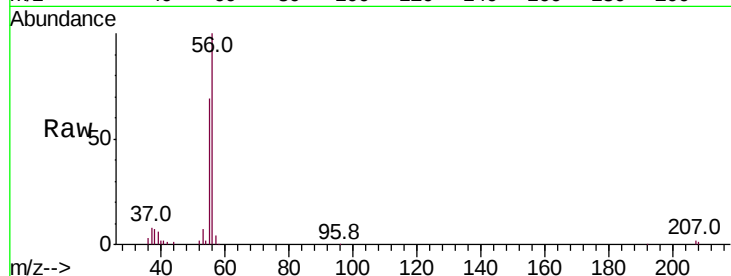




#13
 Acrolein
 Concen: 192.261 ug/l
 RT: 3.74 min Scan# 328
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

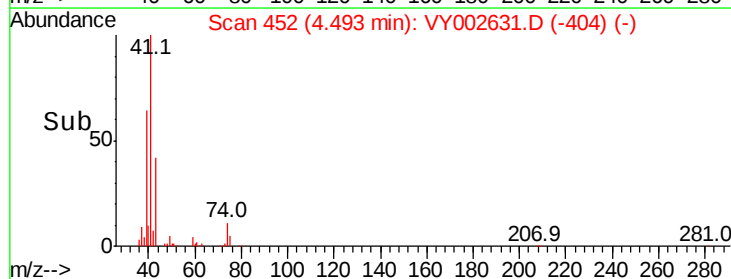
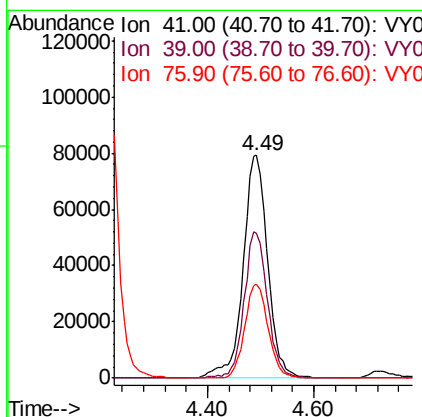
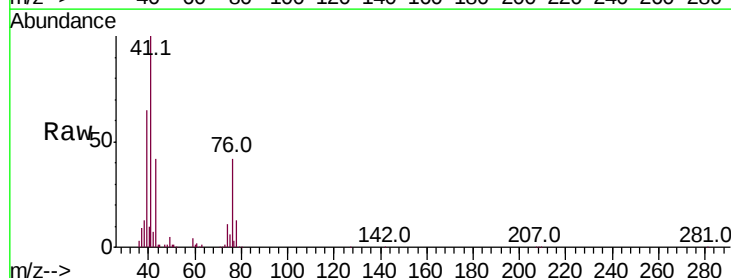
Instrument :
 MSVOA_Y
 ClientSampleId :

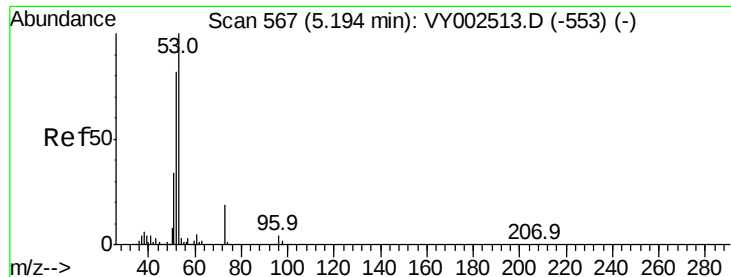
Tot Ion: 56 Resp: 41774
 Ion Ratio Lower Upper
 56 100
 55 69.0 53.8 80.6



#14
 Allyl chloride
 Concen: 55.365 ug/l
 RT: 4.49 min Scan# 452
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion: 41 Resp: 252233
 Ion Ratio Lower Upper
 41 100
 39 62.5 51.8 77.6
 76 40.1 31.7 47.5





#15

Acrylonitrile

Concen: 253.423 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.02 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

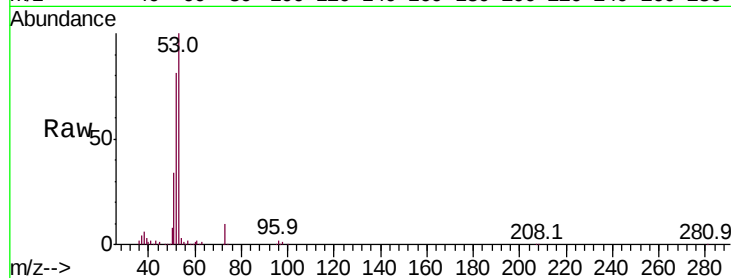
Tot Ion: 53 Resp: 211505

Ion Ratio Lower Upper

53 100

52 81.6 65.4 98.0

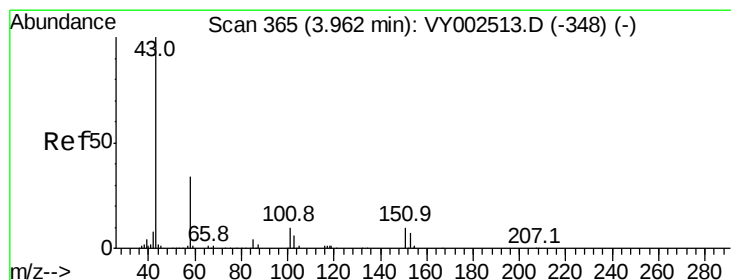
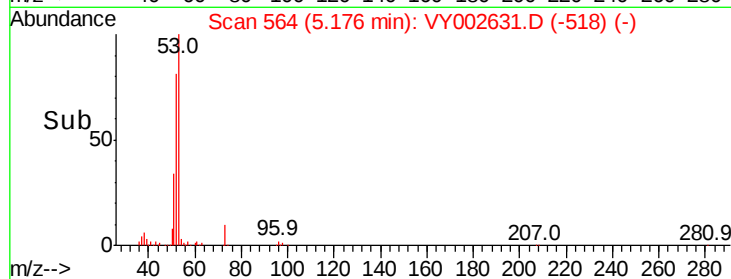
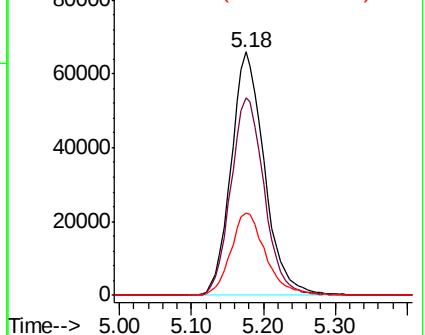
51 35.7 28.7 43.1



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: 246.813 ug/l

RT: 3.96 min Scan# 364

Delta R.T. -0.01 min

Lab File: VY002631.D

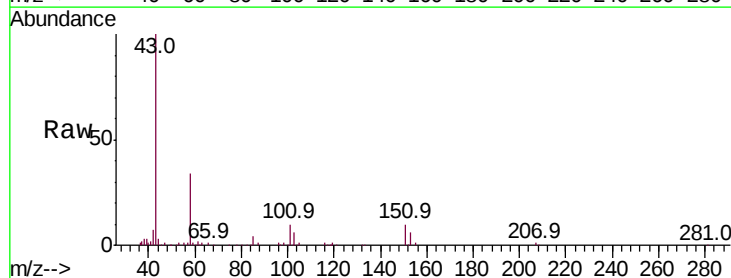
Acq: 07 May 2020 16:19

Tgt Ion: 43 Resp: 155564

Ion Ratio Lower Upper

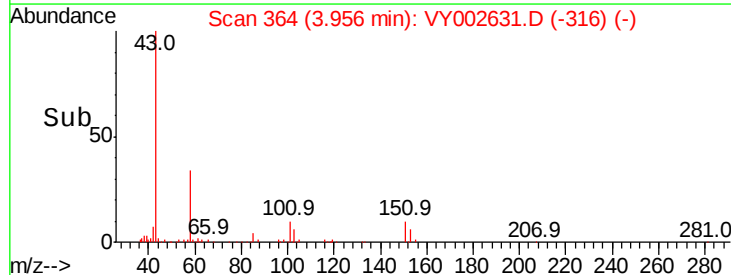
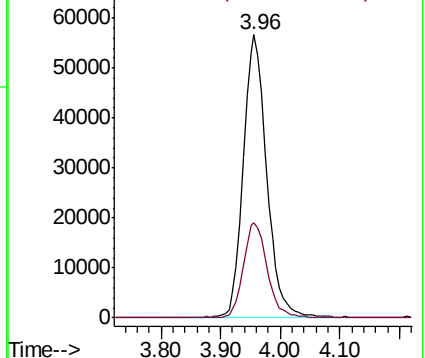
43 100

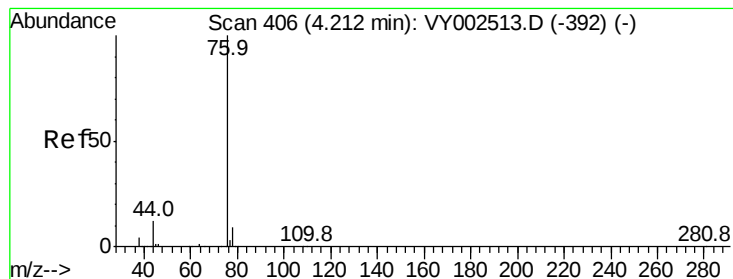
58 33.7 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0





#17

Carbon Disulfide

Concen: 54.743 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

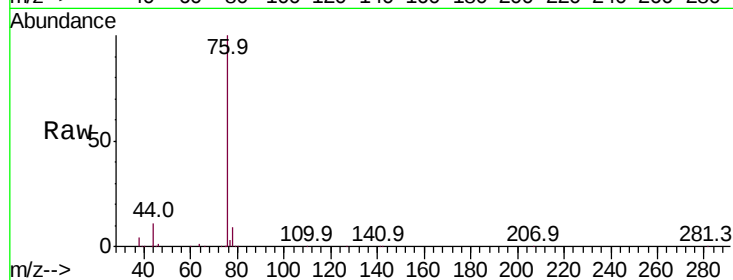
ClientSampleId :

Tot Ion: 76 Resp: 514952

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VY002513.D (-392) (-)

Ion 77.90 (77.60 to 78.60): VY002513.D (-392) (-)

4.20

200000

150000

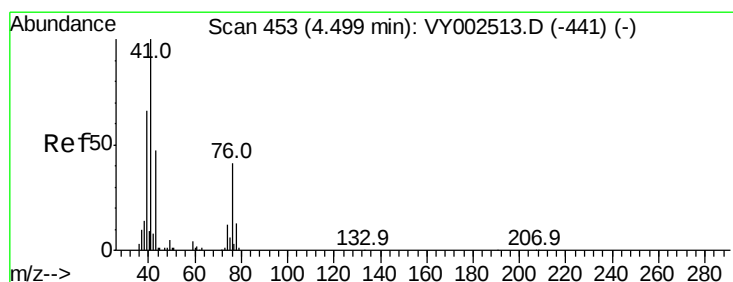
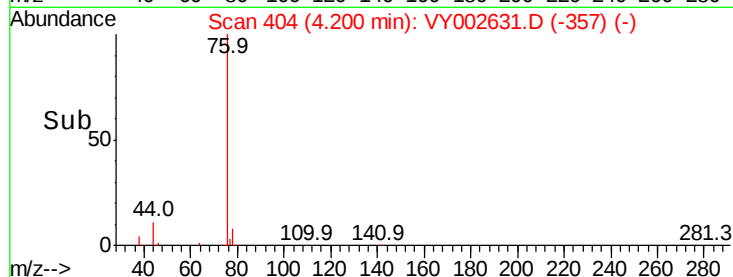
100000

50000

0

4.00 4.10 4.20 4.30 4.40

Time-->



#18

Methyl Acetate

Concen: 48.536 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.01 min

Lab File: VY002631.D

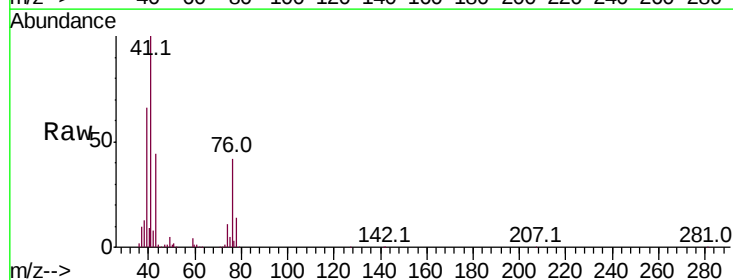
Acq: 07 May 2020 16:19

Tgt Ion: 43 Resp: 102214

Ion Ratio Lower Upper

43 100

74 25.9 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-441) (-)

Ion 74.00 (73.70 to 74.70): VY002513.D (-441) (-)

4.49

40000

30000

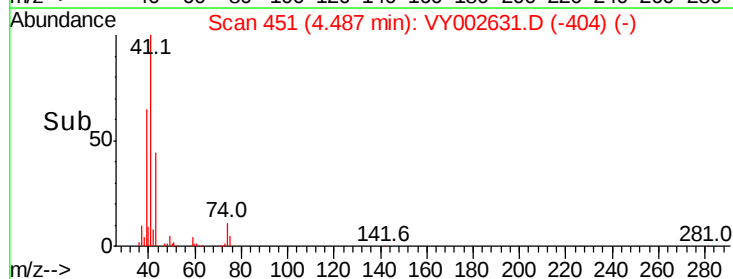
20000

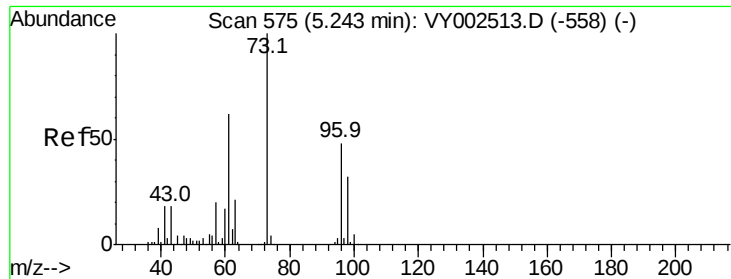
10000

0

4.30 4.40 4.50 4.60

Time-->

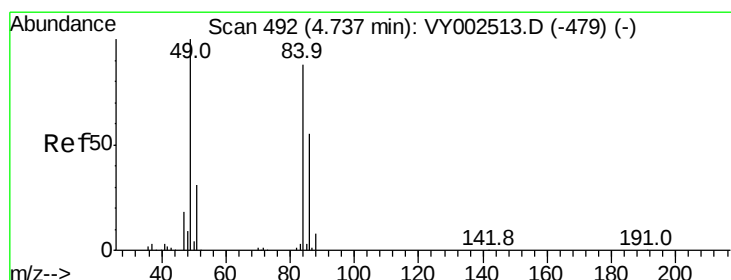
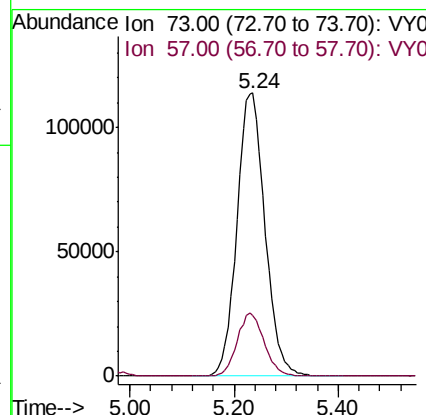
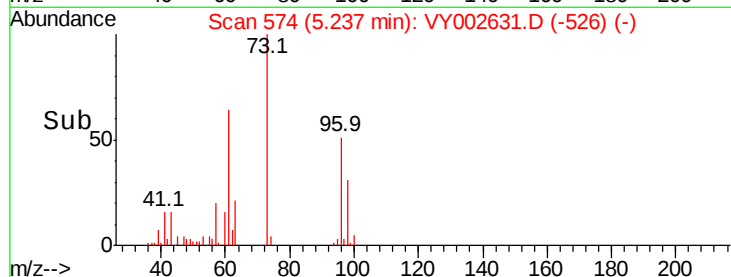
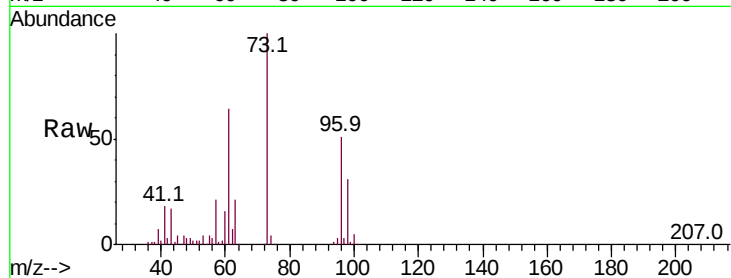




#19
Methvl tert-butvl Ether
Concen: 52.196 ug/l
RT: 5.24 min Scan# 574
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

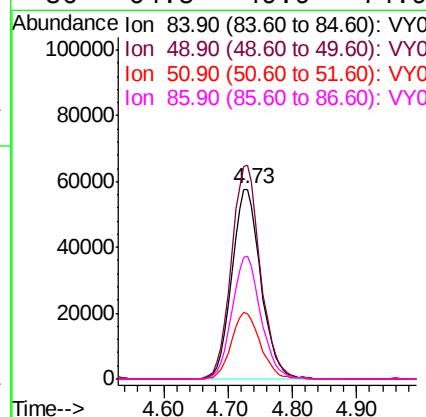
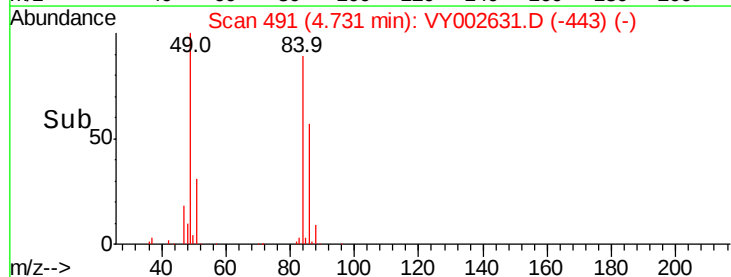
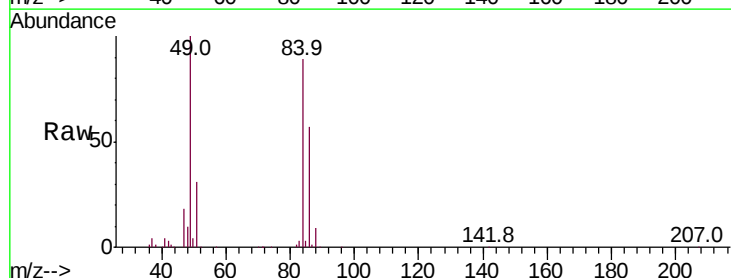
Instrument :
MSVOA_Y
ClientSampleId :

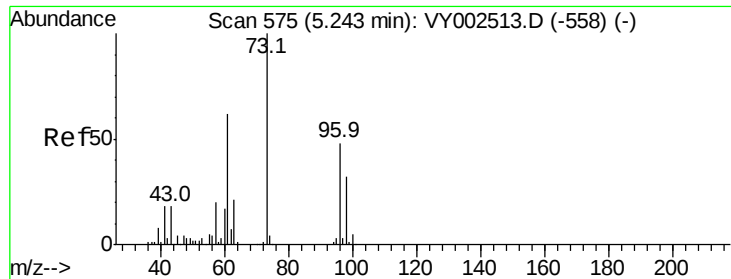
Tot Ion: 73 Resp: 425810
Ion Ratio Lower Upper
73 100
57 21.3 16.3 24.5



#20
Methylene Chloride
Concen: 51.599 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 84 Resp: 181869
Ion Ratio Lower Upper
84 100
49 112.5 90.5 135.7
51 34.3 28.3 42.5
86 64.5 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 54.559 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

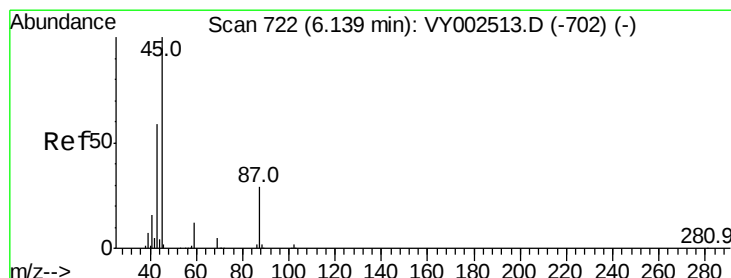
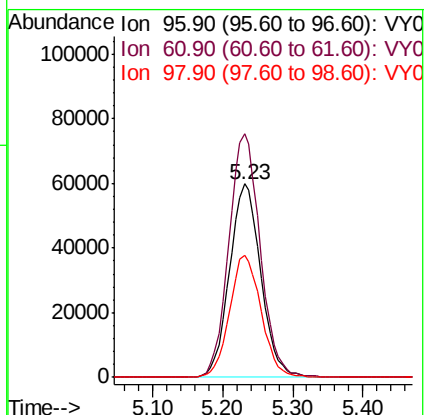
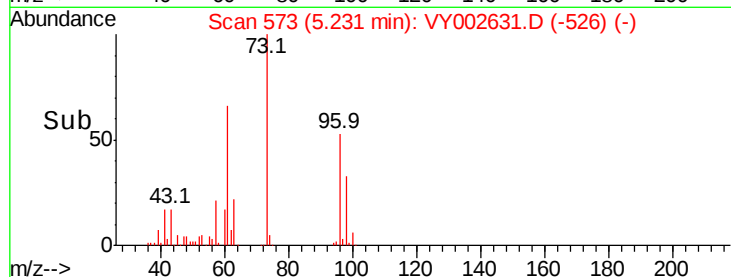
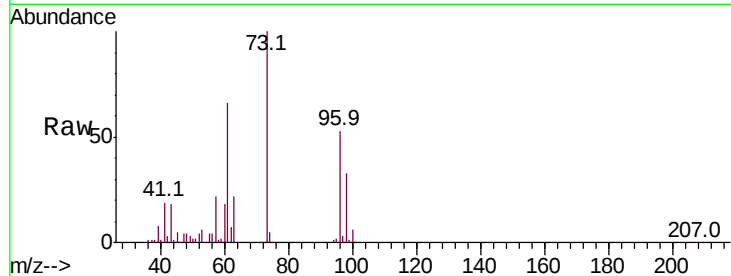
Tot Ion: 96 Resp: 186460

Ion Ratio Lower Upper

96 100

61 126.1 102.0 153.0

98 63.3 53.0 79.4



#22

Diisopropyl ether

Concen: 54.285 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Tgt Ion: 45 Resp: 500405

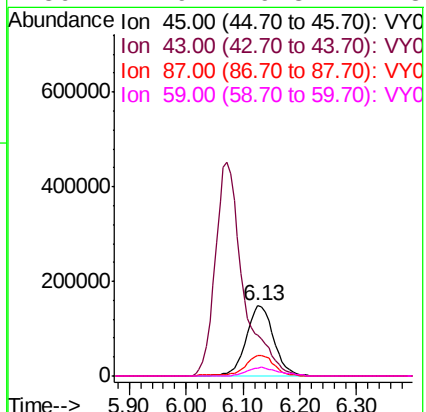
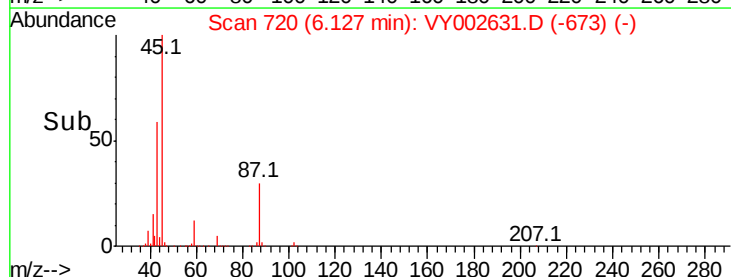
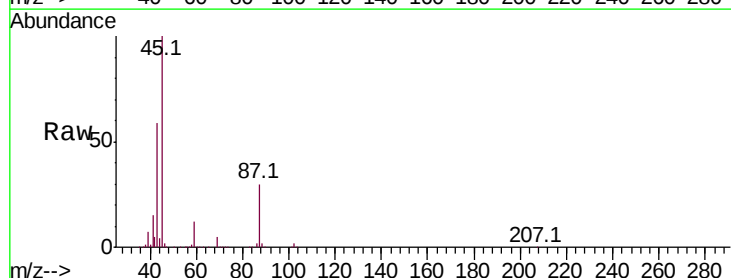
Ion Ratio Lower Upper

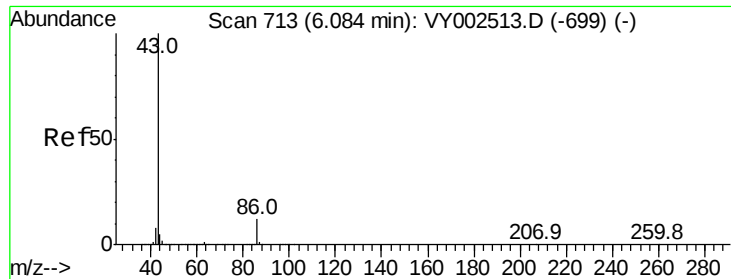
45 100

43 58.3 47.4 71.0

87 29.8 24.0 36.0

59 11.9 9.8 14.8

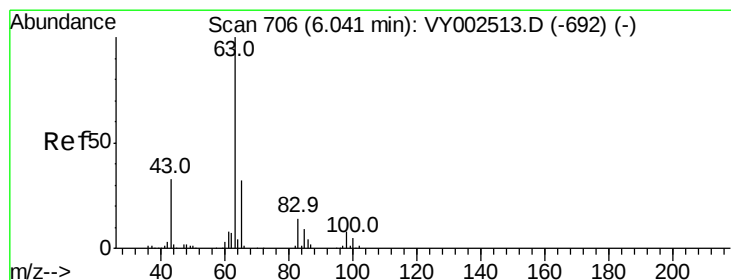
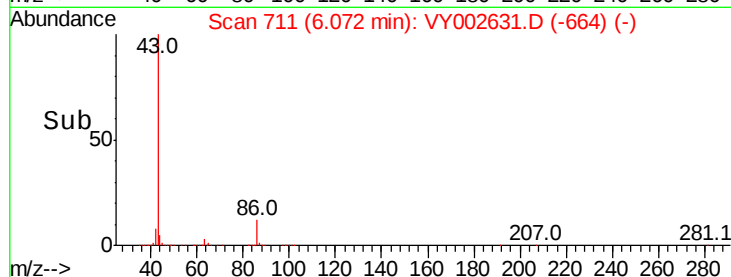
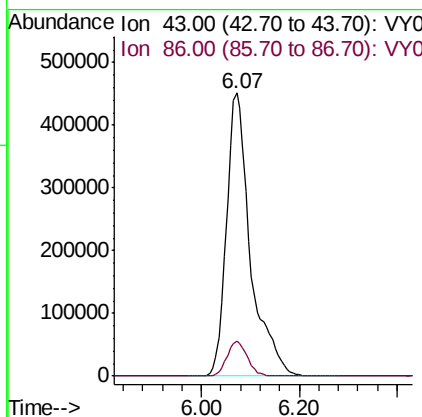
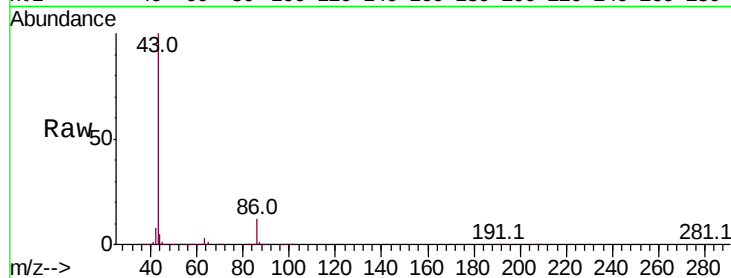




#23
 Vinyl Acetate
 Concen: 264.341 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

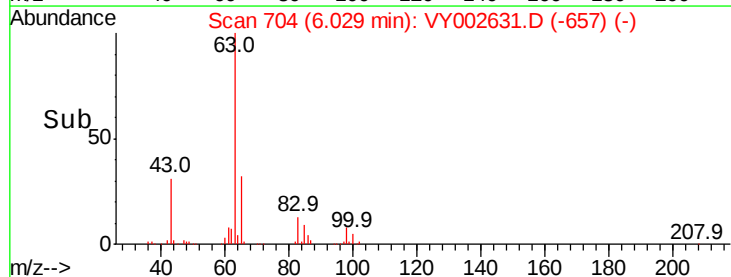
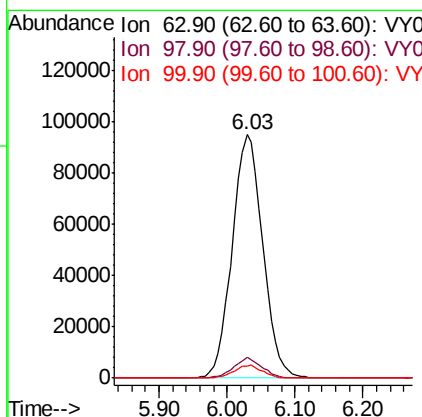
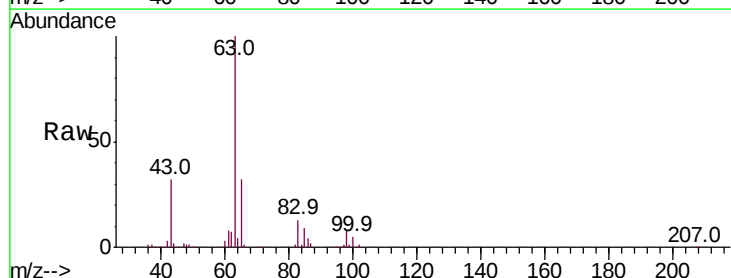
Instrument :
 MSVOA_Y
 ClientSampleId :

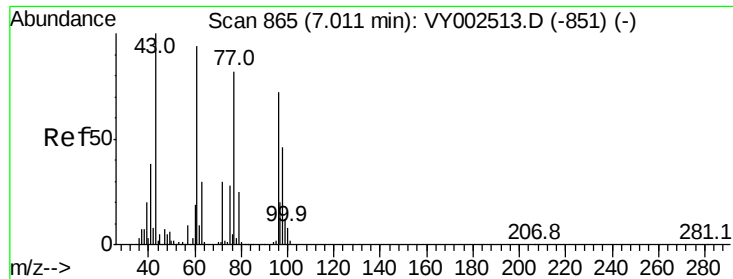
Tot Ion: 43 Resp: 1532455
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.8 14.6



#24
 1,1-Dichloroethane
 Concen: 54.435 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion: 63 Resp: 296859
 Ion Ratio Lower Upper
 63 100
 98 8.5 3.9 11.7
 100 4.8 2.4 7.2

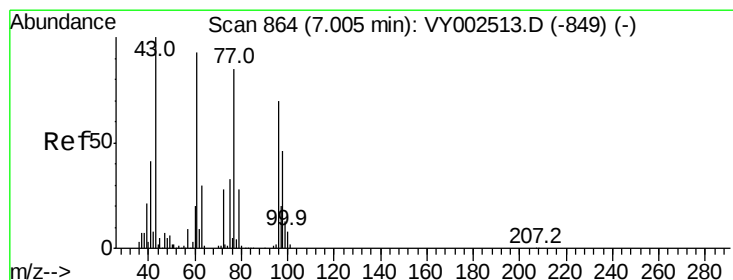
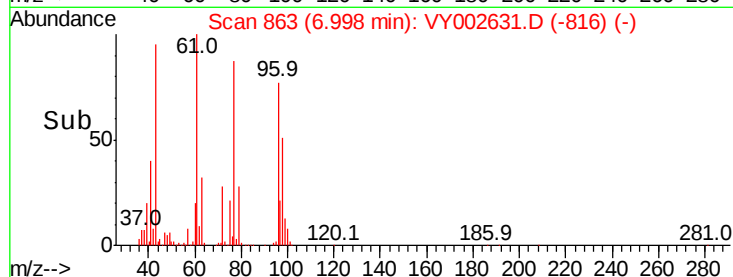
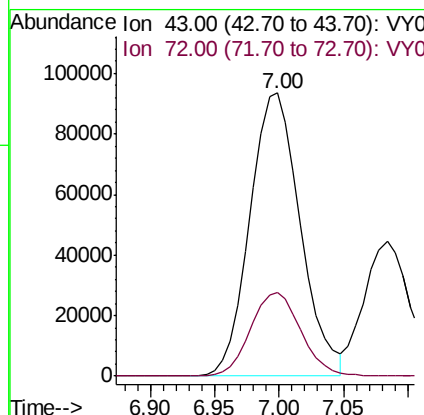
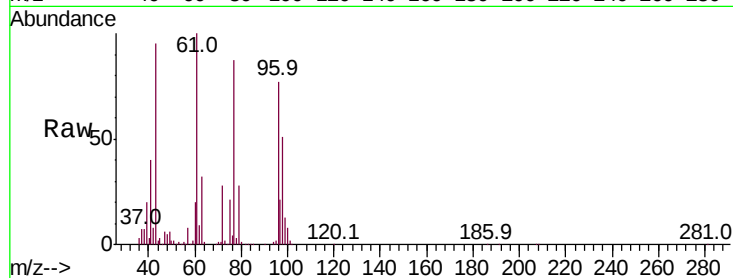




#25
2-Butanone
Concen: 246.382 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

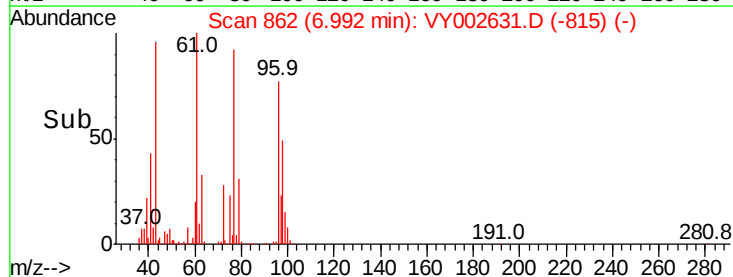
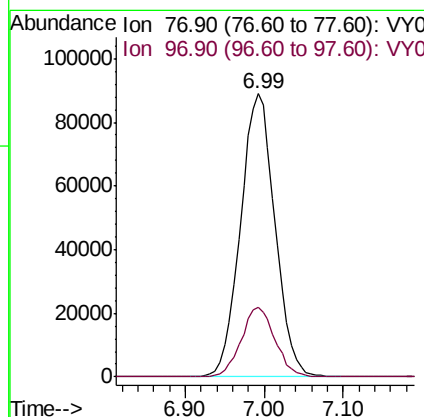
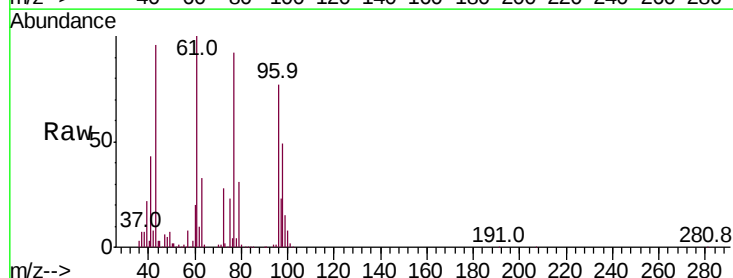
Instrument :
MSVOA_Y
ClientSampleId :

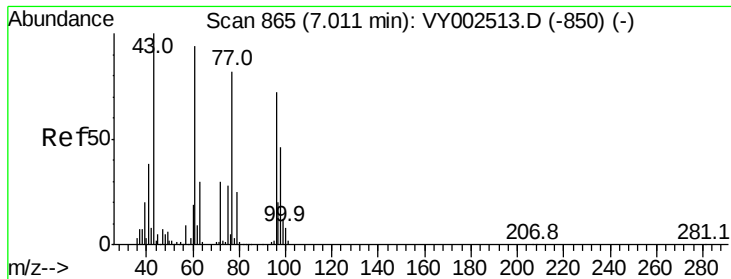
Tot Ion: 43 Resp: 254204
Ion Ratio Lower Upper
43 100
72 29.4 24.1 36.1



#26
2,2-Dichloropropane
Concen: 52.037 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 77 Resp: 269740
Ion Ratio Lower Upper
77 100
97 24.2 11.9 35.5



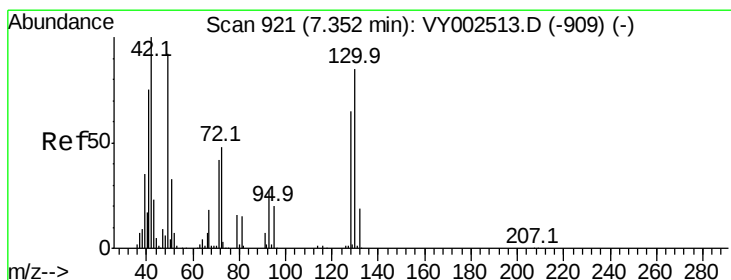
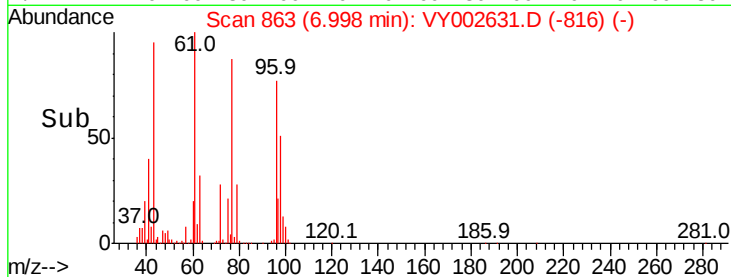
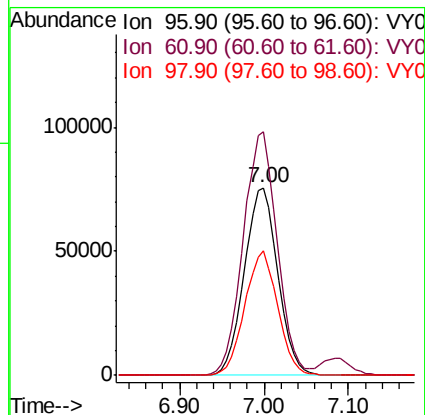
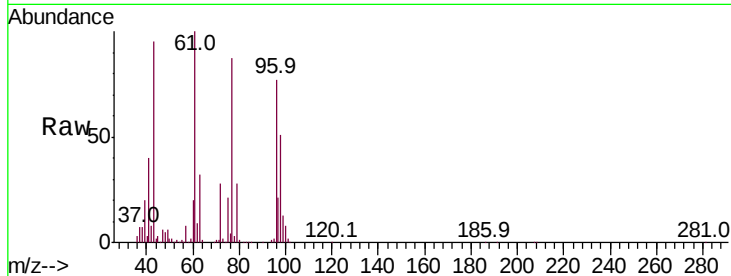


#27

cis-1,2-Dichloroethene
Concen: 54.101 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :

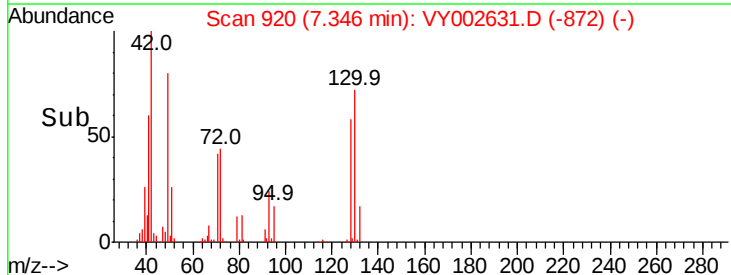
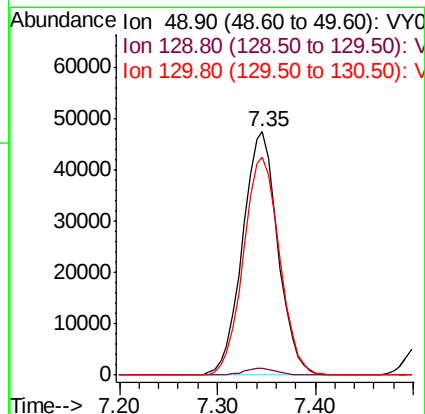
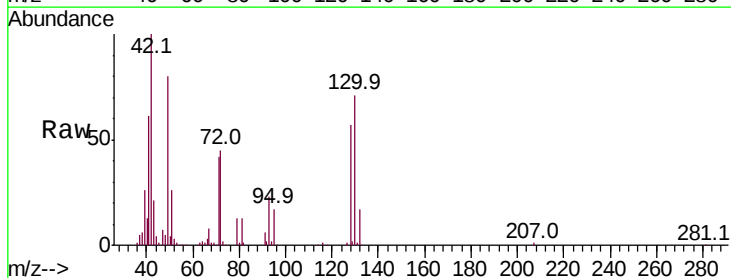
Tot Ion: 96 Resp: 204581
Ion Ratio Lower Upper
96 100
61 131.2 0.0 266.6
98 64.9 0.0 129.2

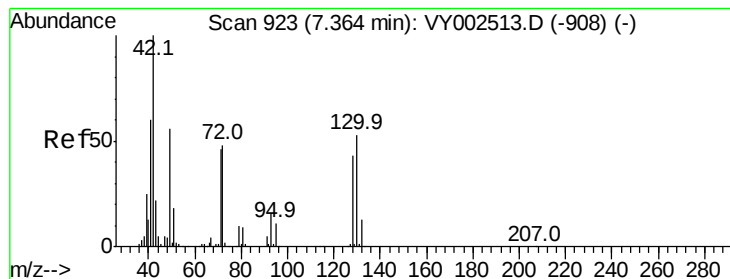


#28

Bromochloromethane
Concen: 53.015 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 49 Resp: 118455
Ion Ratio Lower Upper
49 100
129 2.5 0.0 4.8
130 91.6 72.5 108.7





#29

Tetrahydrofuran

Concen: 254.747 ug/l

RT: 7.35 min Scan# 921

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :

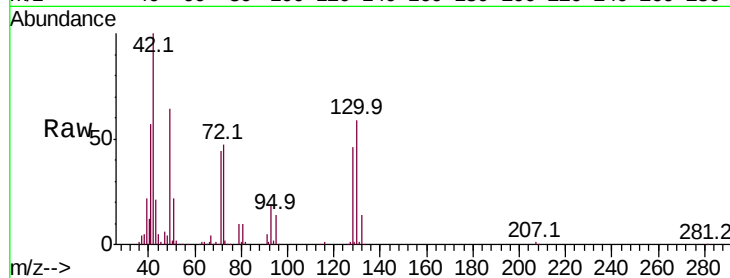
Tot Ion: 42 Resp: 173896

Ion Ratio Lower Upper

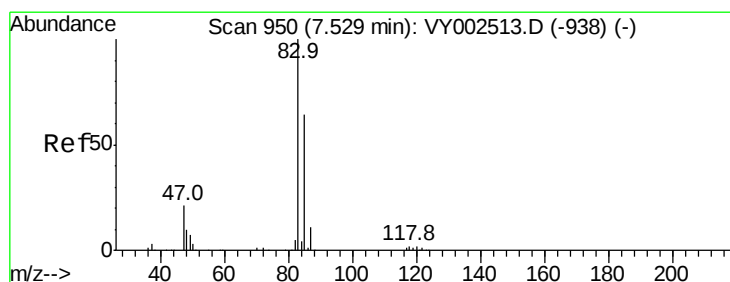
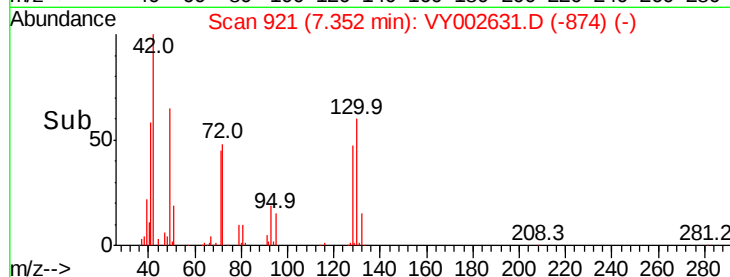
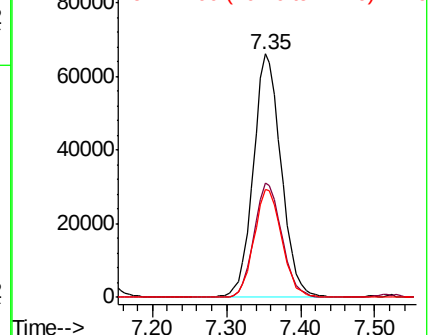
42 100

72 46.7 37.4 56.2

71 44.0 35.0 52.4



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



#30

Chloroform

Concen: 53.523 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.01 min

Lab File: VY002631.D

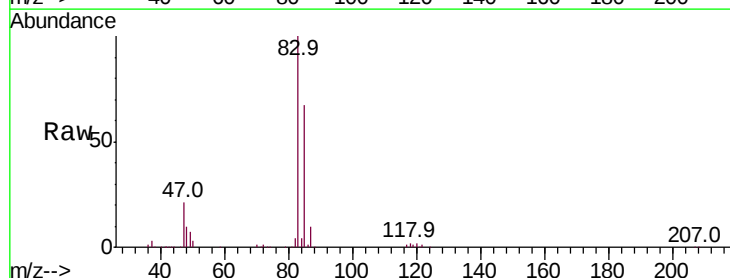
Acq: 07 May 2020 16:19

Tgt Ion: 83 Resp: 303495

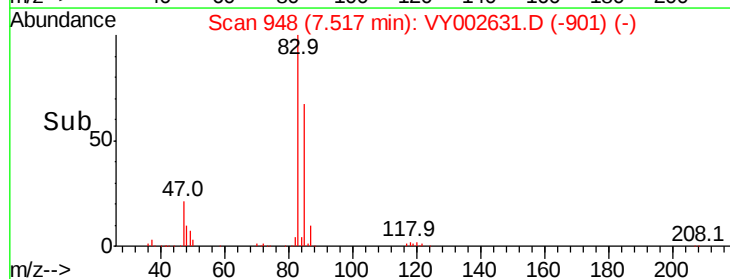
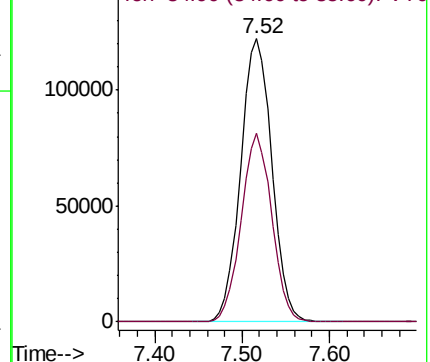
Ion Ratio Lower Upper

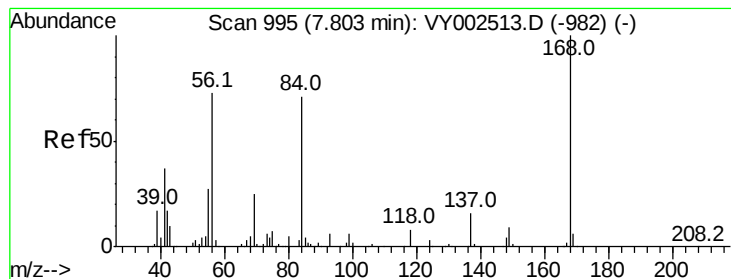
83 100

85 66.6 51.5 77.3



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





#31

Cyclohexane

Concen: 52.788 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

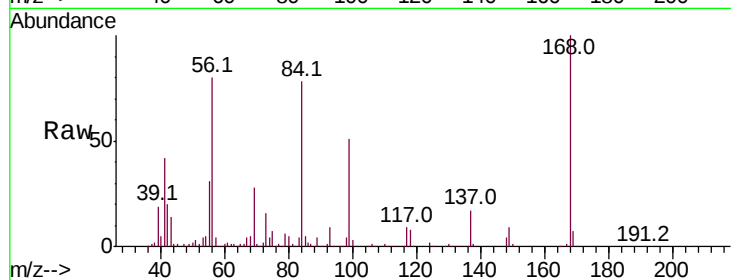
Tot Ion: 56 Resp: 289769

Ion Ratio Lower Upper

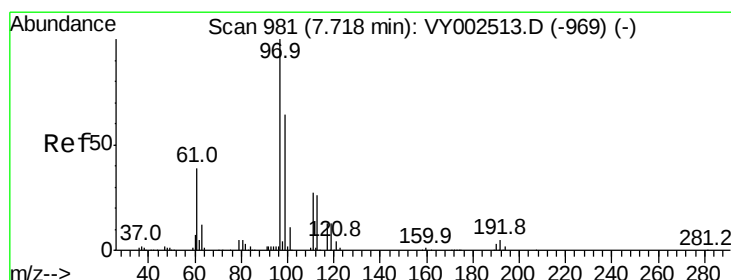
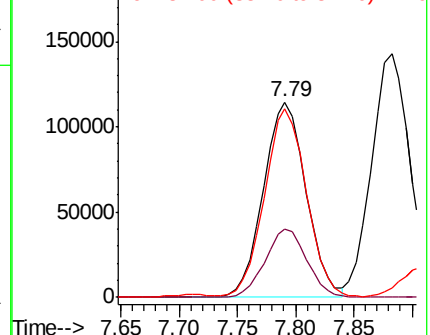
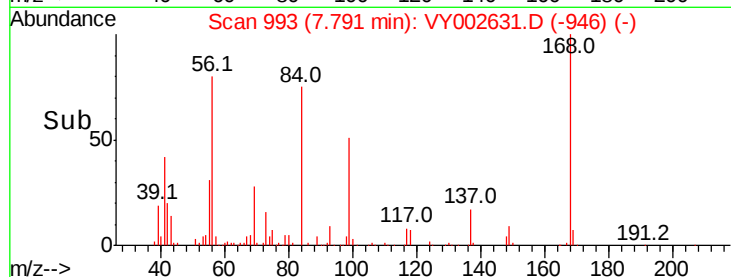
56 100

69 35.2 27.6 41.4

84 95.3 77.7 116.5



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: 54.073 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

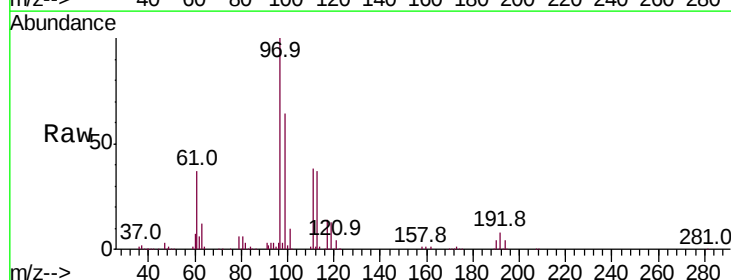
Tgt Ion: 97 Resp: 284985

Ion Ratio Lower Upper

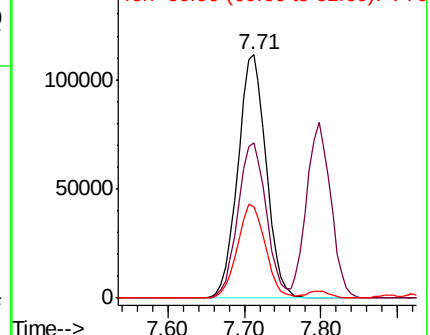
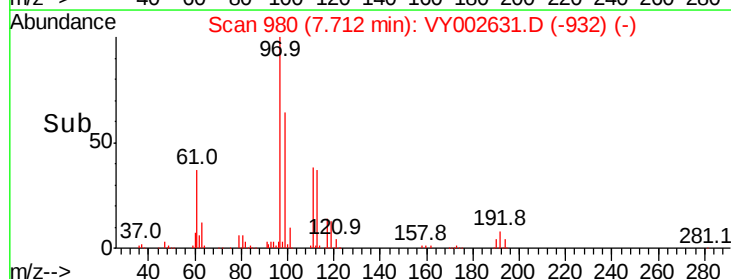
97 100

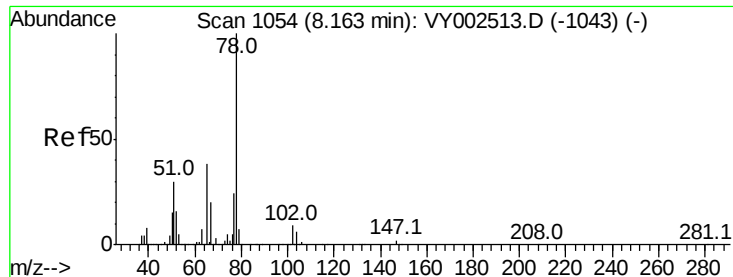
99 64.2 51.9 77.9

61 38.3 31.0 46.6



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: 47.397 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

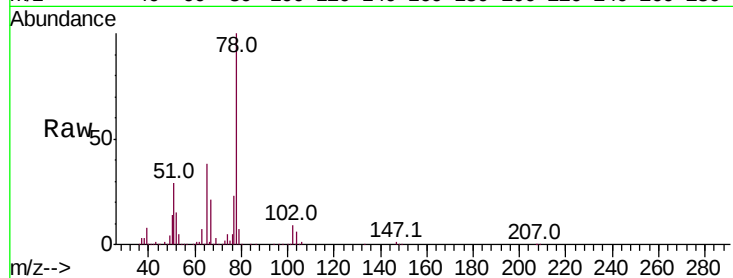
ClientSampleId :

Tot Ion: 65 Resp: 144752

Ion Ratio Lower Upper

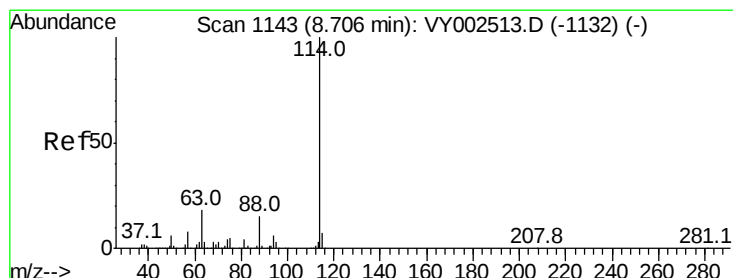
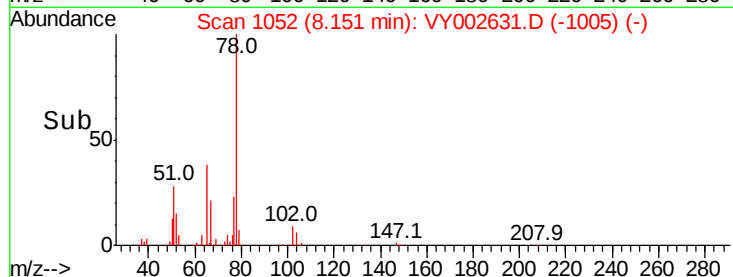
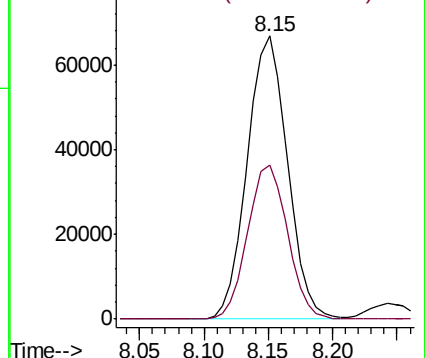
65 100

67 54.0 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

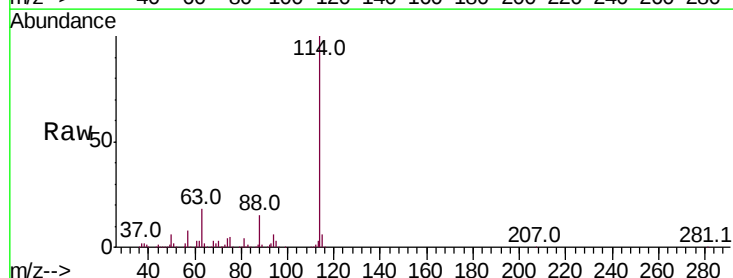
Tgt Ion: 114 Resp: 537572

Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.4

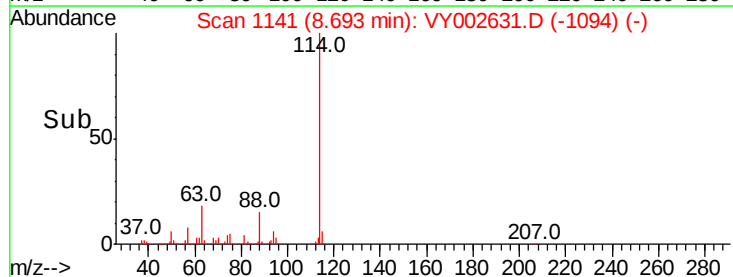
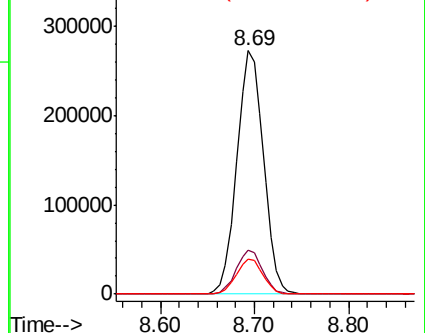
88 14.6 0.0 29.6

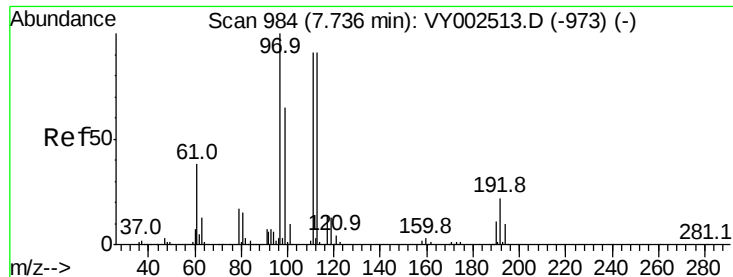


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

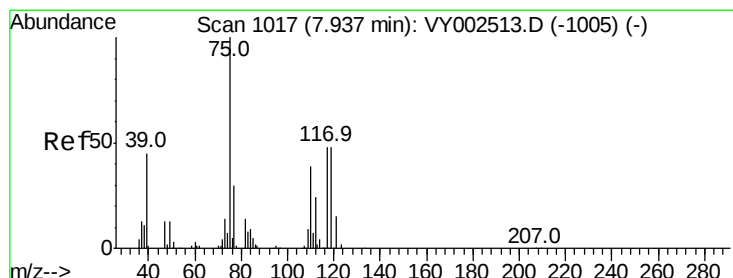
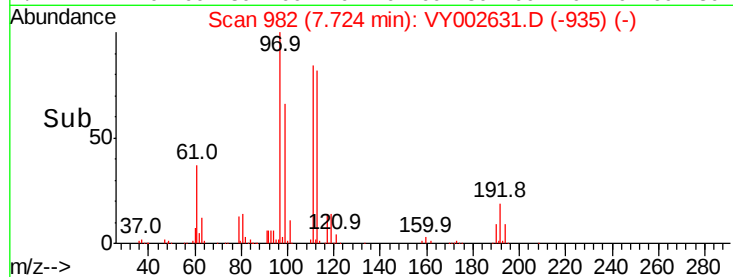
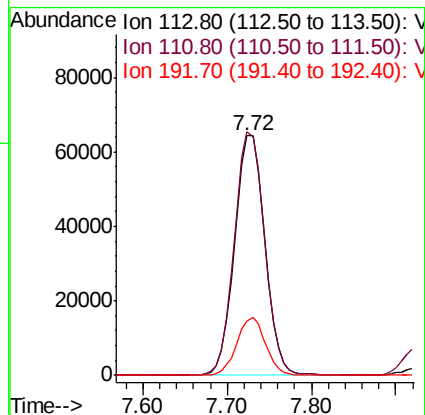
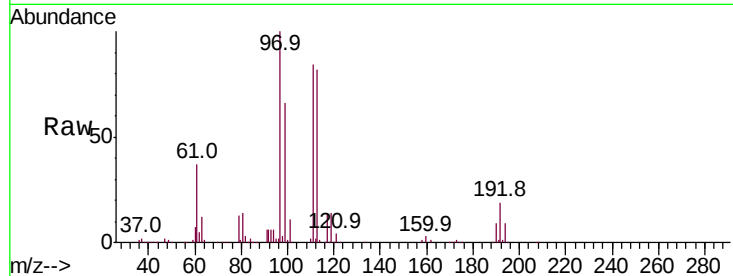




#35
 Dibromofluoromethane
 Concen: 50.685 ug/l
 RT: 7.72 min Scan# 982
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

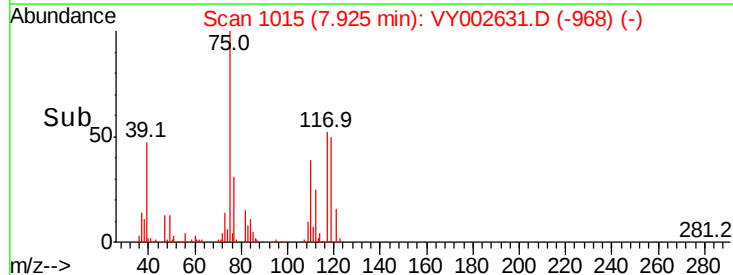
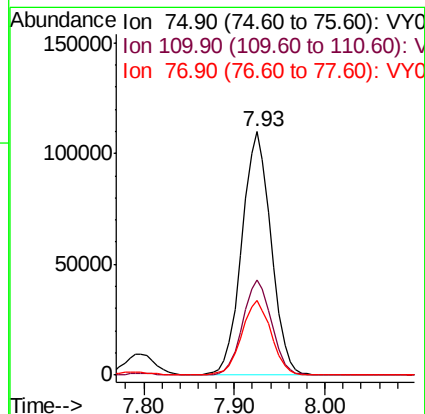
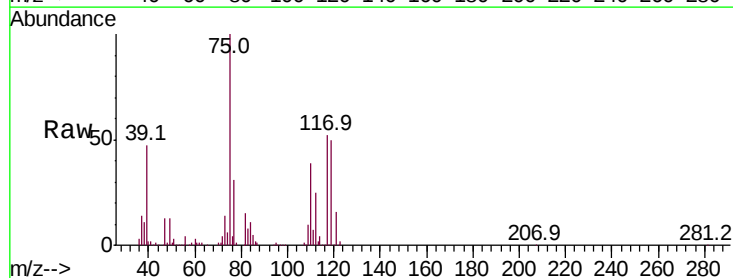
Instrument :
 MSVOA_Y
 ClientSampleId :

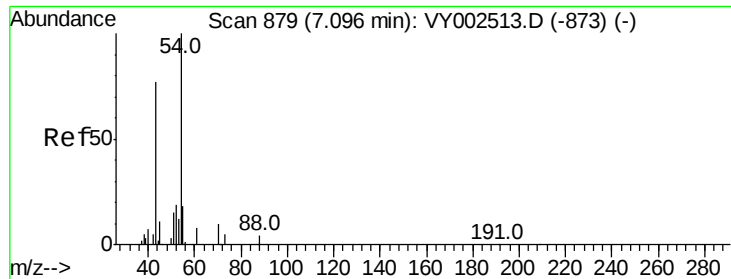
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.8	122.6
192	22.9	18.2	27.4



#36
 1,1-Dichloropropene
 Concen: 54.495 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.1	57.3
77	31.1	24.6	37.0

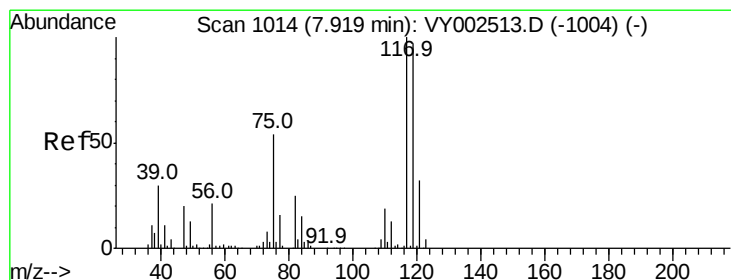
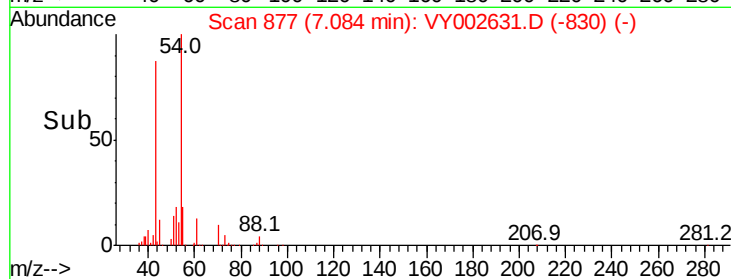
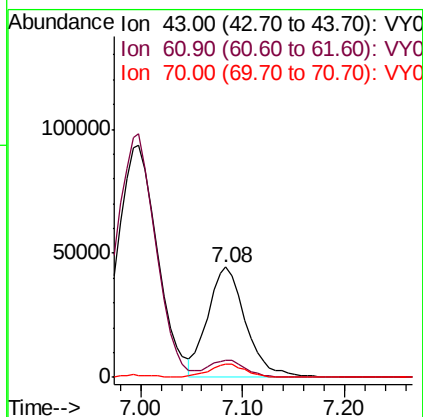
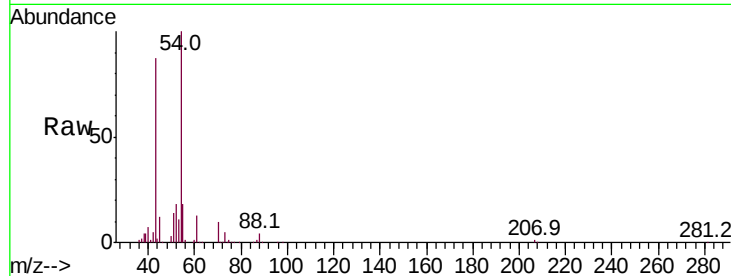




#37
Ethyl Acetate
Concen: 49.517 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

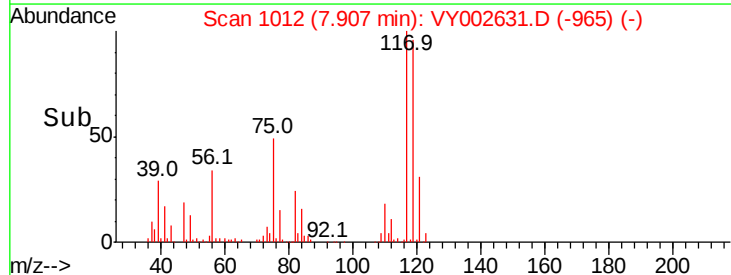
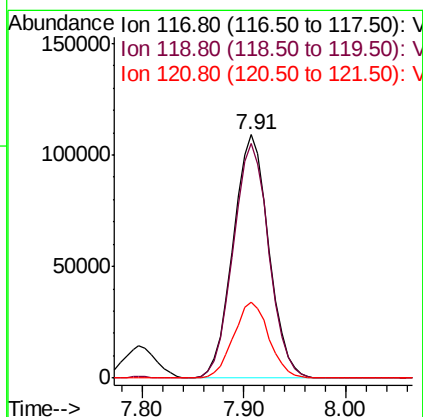
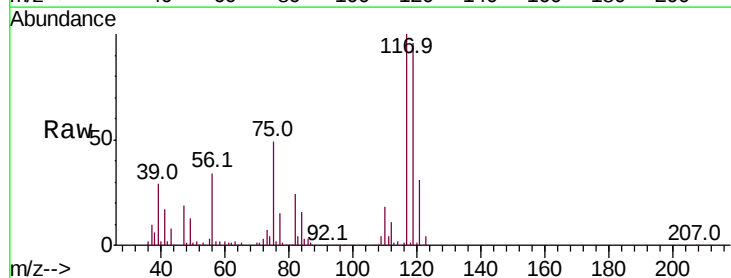
Instrument :
MSVOA_Y
ClientSampled :

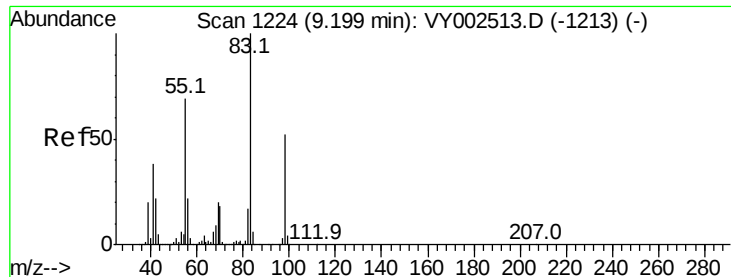
Tot Ion: 43 Resp: 114672
Ion Ratio Lower Upper
43 100
61 15.3 11.6 17.4
70 11.7 9.0 13.6



#38
Carbon Tetrachloride
Concen: 53.725 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 117 Resp: 264327
Ion Ratio Lower Upper
117 100
119 96.4 77.1 115.7
121 31.1 25.2 37.8

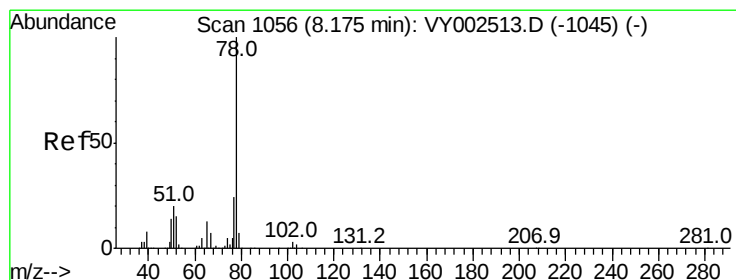
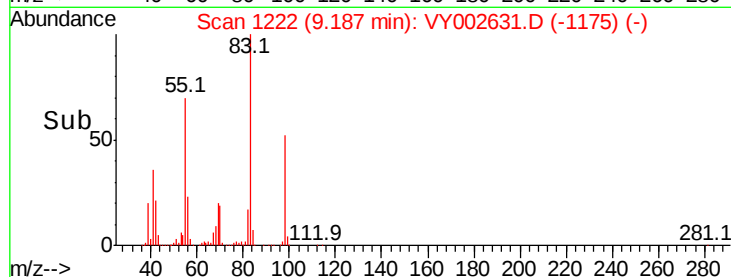
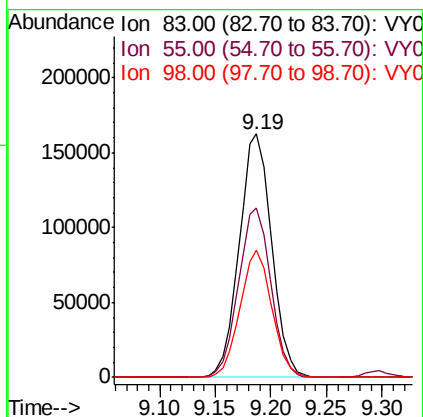
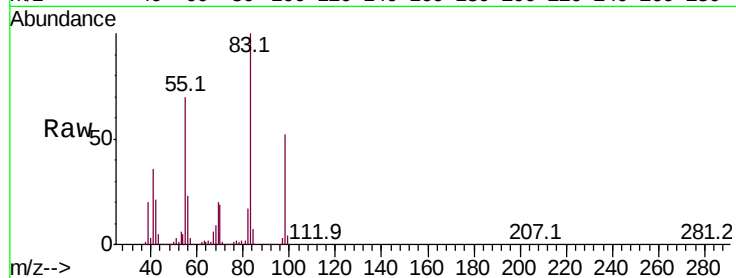




#39
Methvlcvclohexane
Concen: 55.156 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

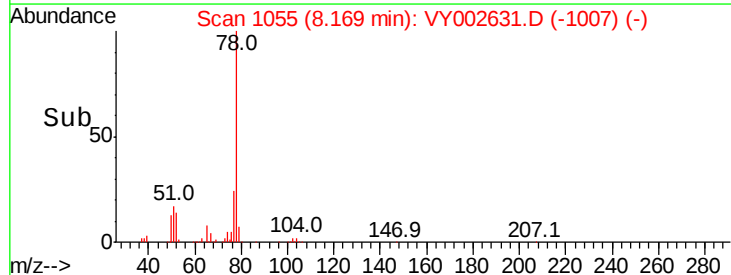
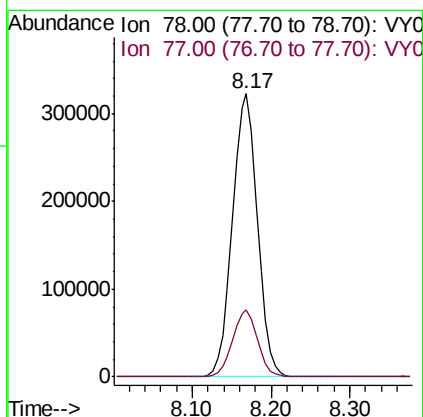
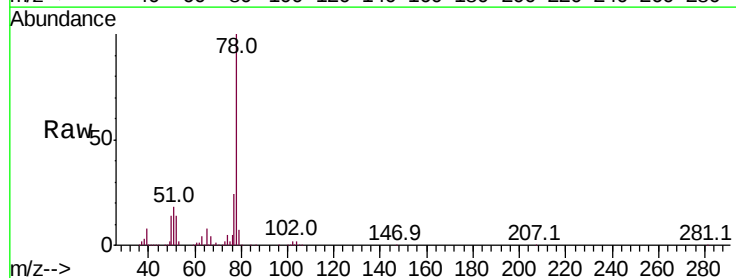
Instrument :
MSVOA_Y
ClientSampleId :

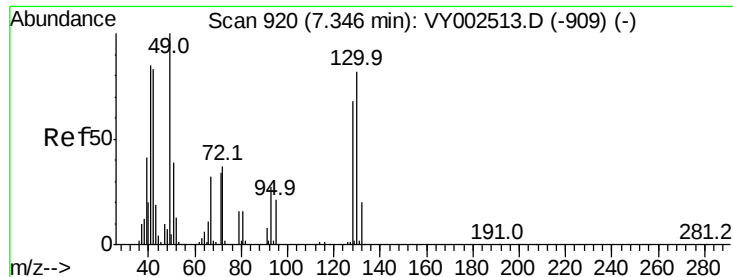
Tot Ion: 83 Resp: 328300
Ion Ratio Lower Upper
83 100
55 69.7 55.4 83.0
98 52.1 41.3 61.9



#40
Benzene
Concen: 54.475 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 78 Resp: 709038
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8





#41

Methacrylonitrile

Concen: 127.559 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

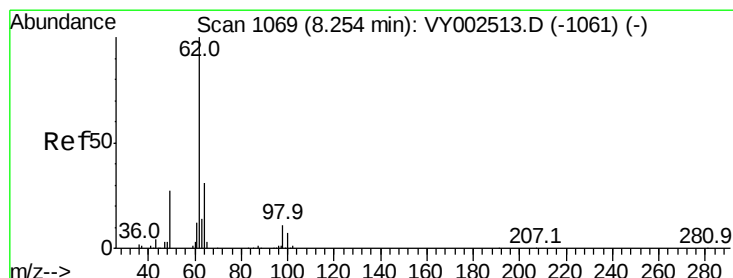
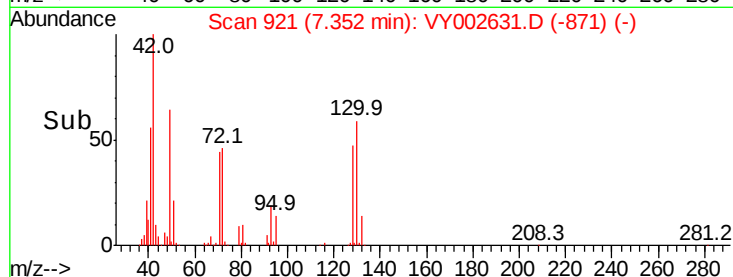
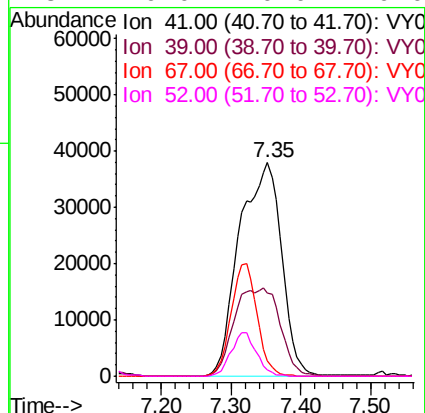
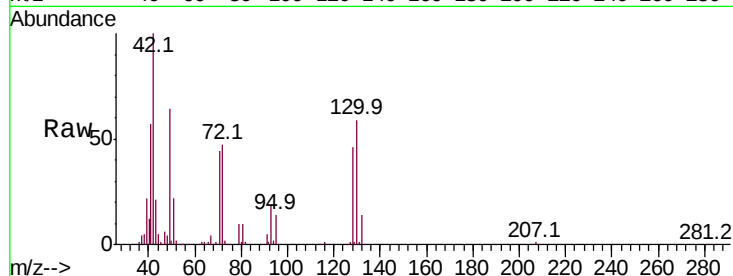
Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 41 Resp: 158827

Ion	Ratio	Lower	Upper
41	100		
39	44.8	83.1	124.7#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42

1,2-Dichloroethane

Concen: 50.451 ug/l

RT: 8.24 min Scan# 1067

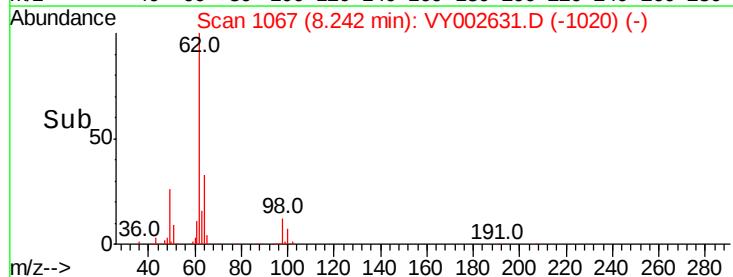
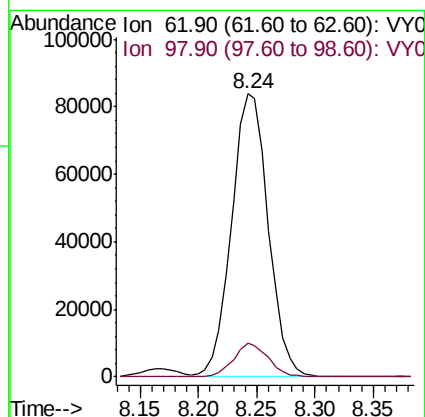
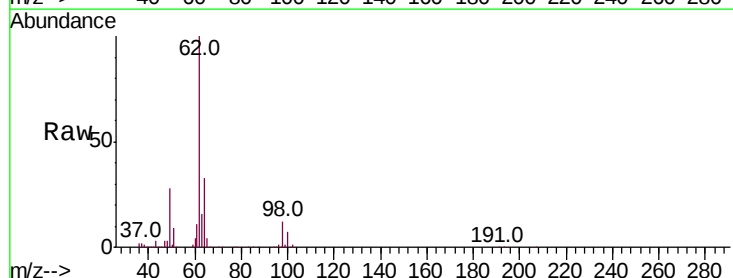
Delta R.T. -0.01 min

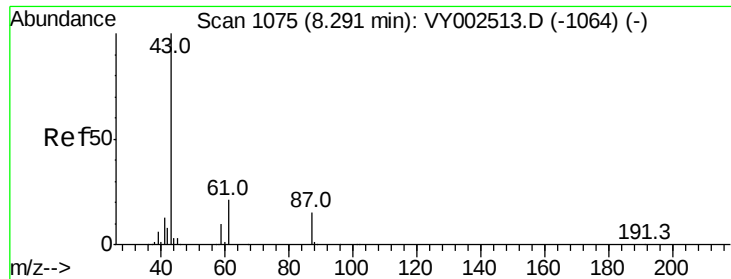
Lab File: VY002631.D

Acq: 07 May 2020 16:19

Tgt Ion: 62 Resp: 184191

Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	21.0





#43

Isopropyl Acetate

Concen: 51.990 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

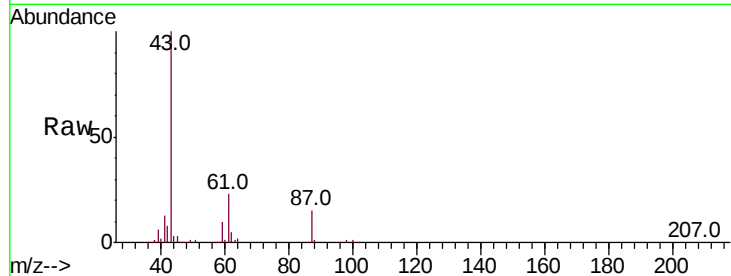
Tot Ion: 43 Resp: 225713

Ion Ratio Lower Upper

43 100

61 31.0 24.8 37.2

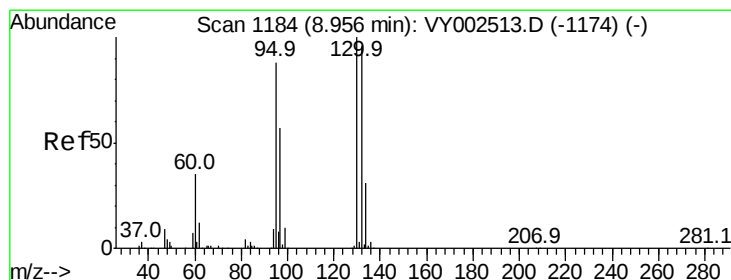
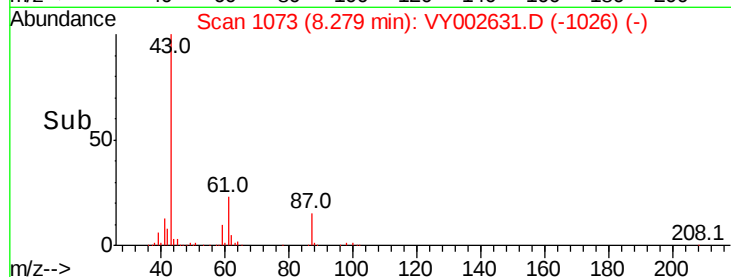
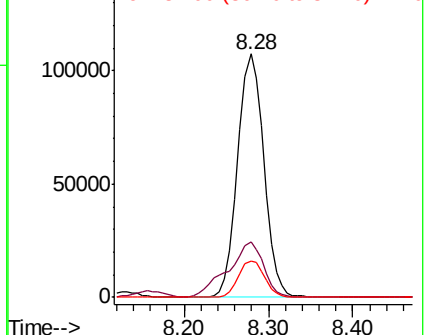
87 15.0 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VY002513.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY002513.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY002513.D (-1064) (-)



#44

Trichloroethene

Concen: 55.153 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VY002631.D

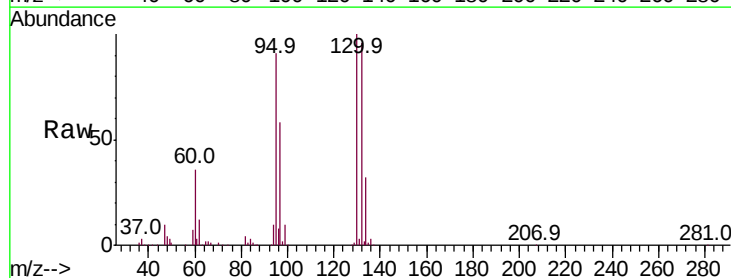
Acq: 07 May 2020 16:19

Tgt Ion:130 Resp: 224341

Ion Ratio Lower Upper

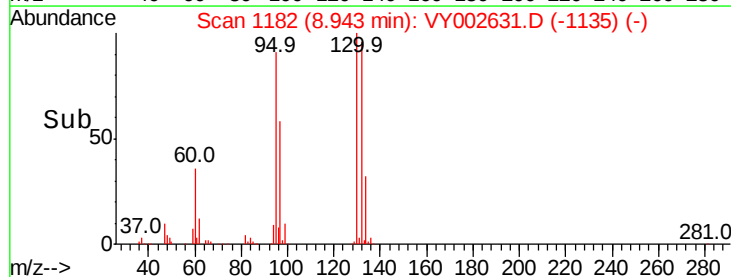
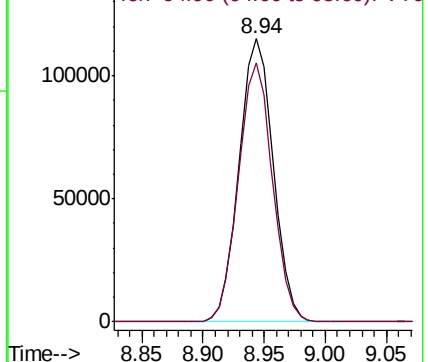
130 100

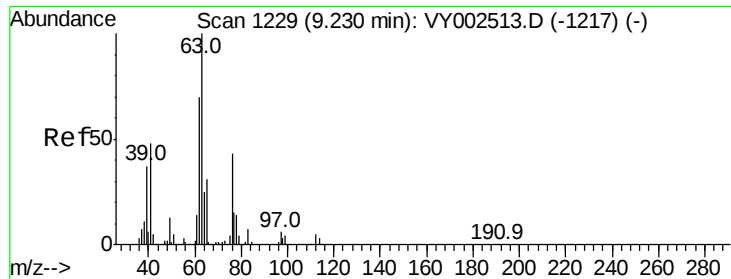
95 91.3 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): VY002513.D (-1174) (-)

Ion 94.90 (94.60 to 95.60): VY002513.D (-1174) (-)





#45

1,2-Dichloropropane

Concen: 53.842 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

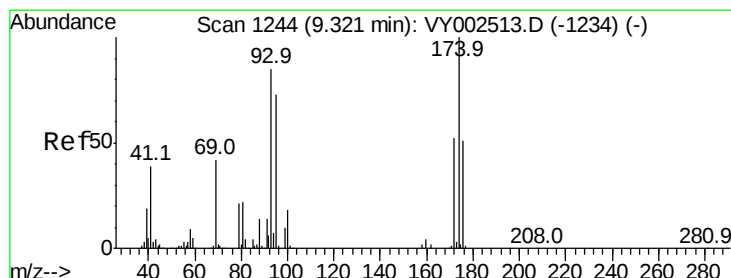
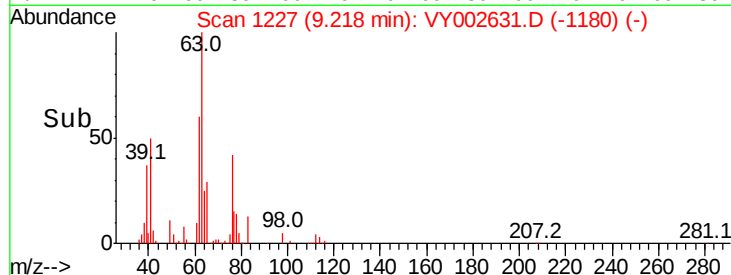
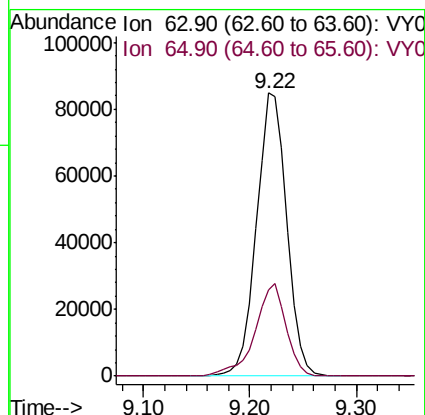
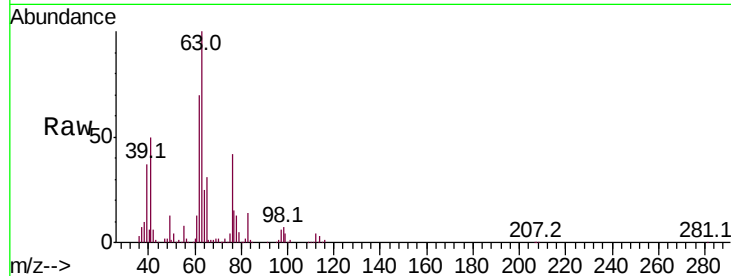
ClientSampleId :

Tot Ion: 63 Resp: 169134

Ion Ratio Lower Upper

63 100

65 30.6 24.5 36.7



#46

Dibromomethane

Concen: 51.662 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

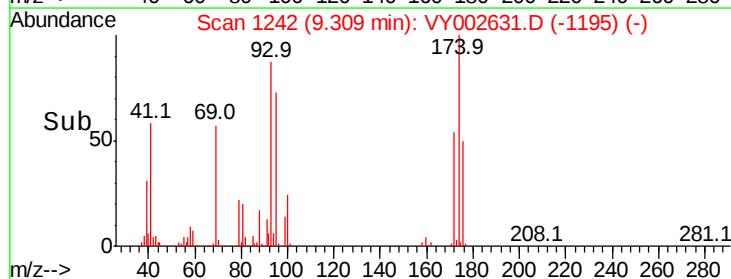
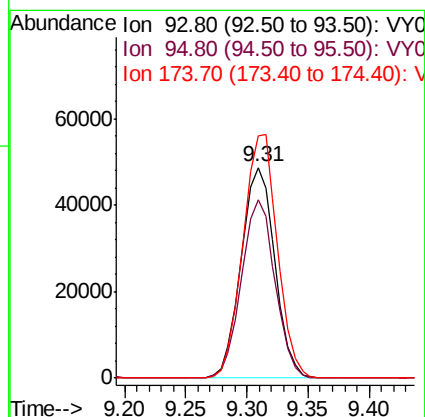
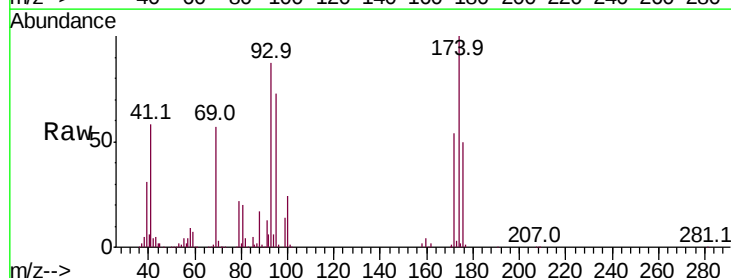
Tgt Ion: 93 Resp: 93372

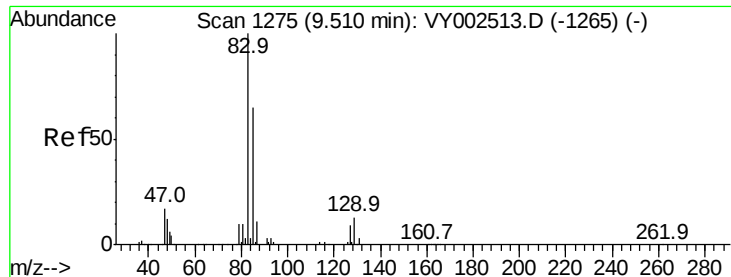
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.4

174 118.4 92.7 139.1





#47

Bromodichloromethane

Concen: 53.439 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :
MSVOA_Y
ClientSampleId :

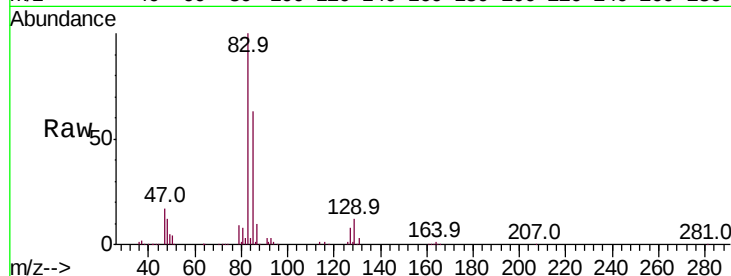
Tot Ion: 83 Resp: 234847

Ion Ratio Lower Upper

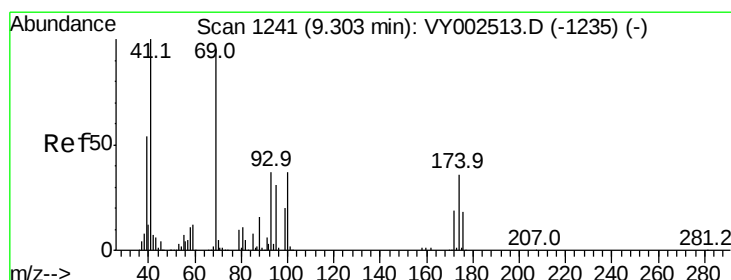
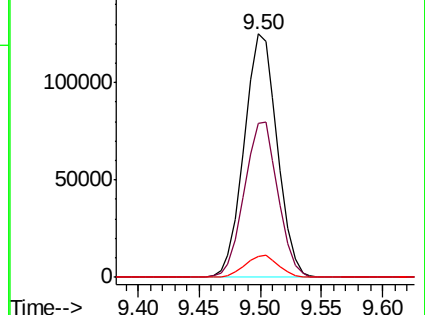
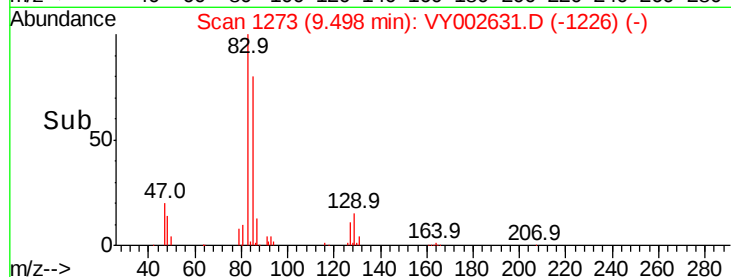
83 100

85 63.2 51.8 77.8

127 8.5 7.4 11.0



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: 51.787 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

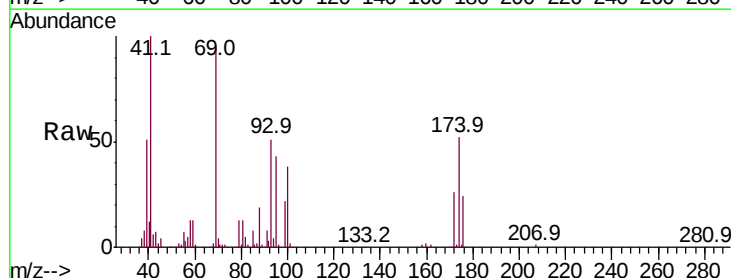
Tgt Ion: 41 Resp: 101751

Ion Ratio Lower Upper

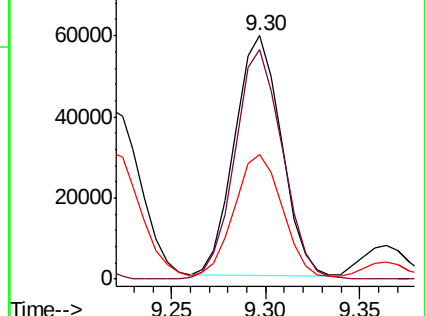
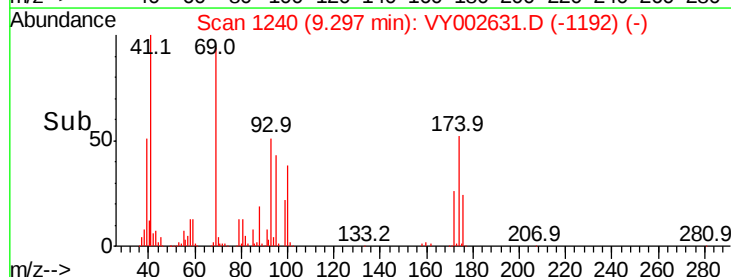
41 100

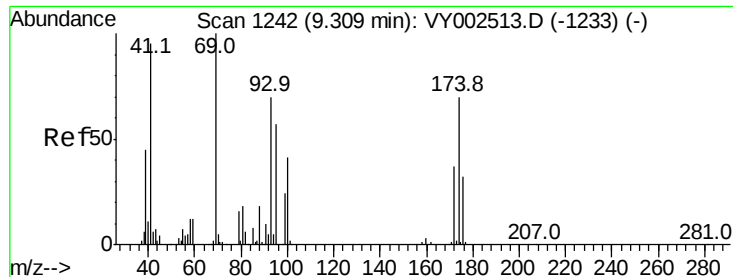
69 97.6 76.2 114.4

39 51.8 42.7 64.1



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

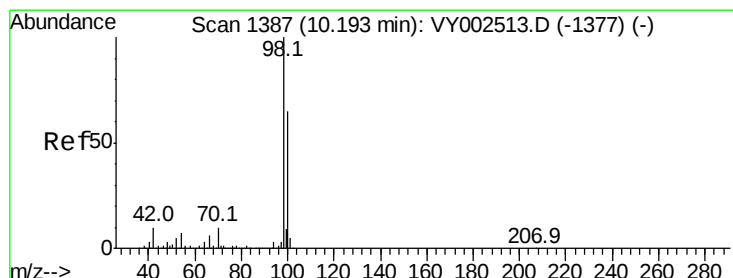
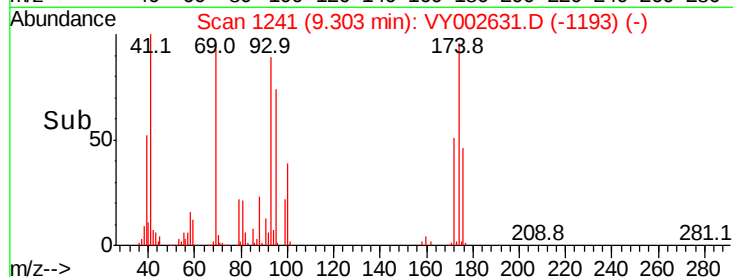
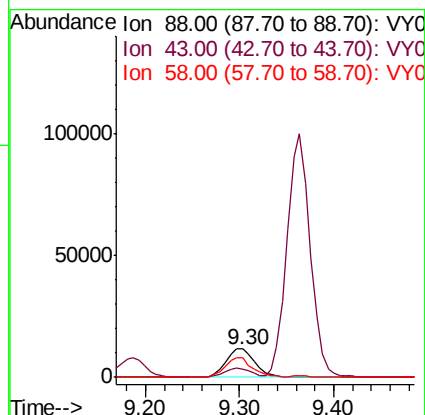
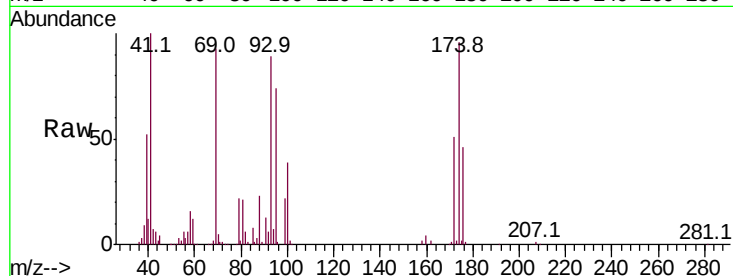




#49
1,4-Dioxane
Concen: 1050.761 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

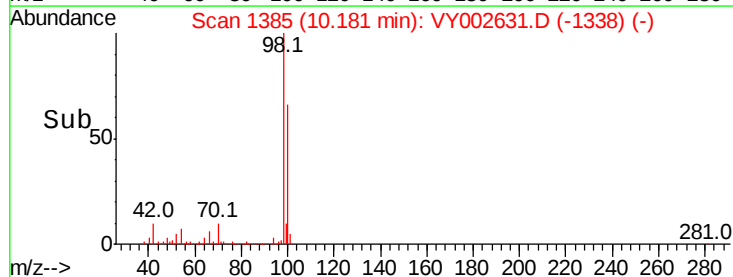
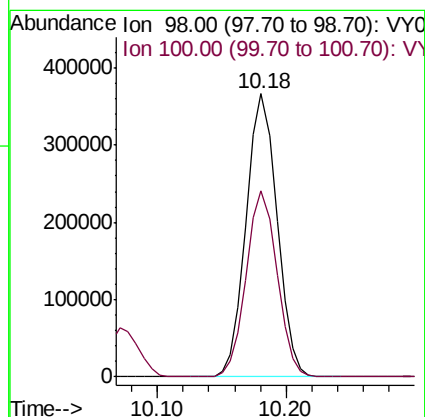
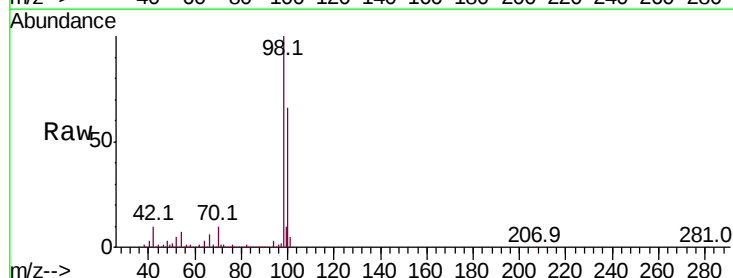
Instrument :
MSVOA_Y
ClientSampled :

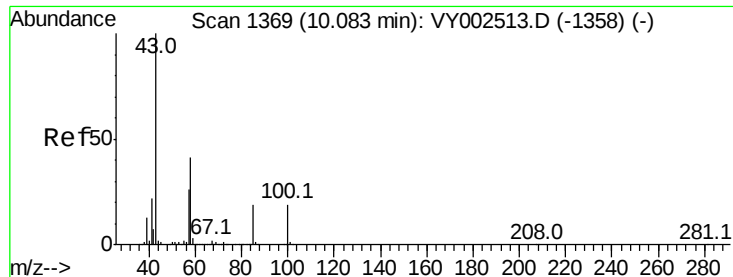
Tot Ion: 88 Resp: 25145
Ion Ratio Lower Upper
88 100
43 29.4 22.8 34.2
58 64.3 51.4 77.2



#50
Toluene-d8
Concen: 50.701 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion: 98 Resp: 608714
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 258.185 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

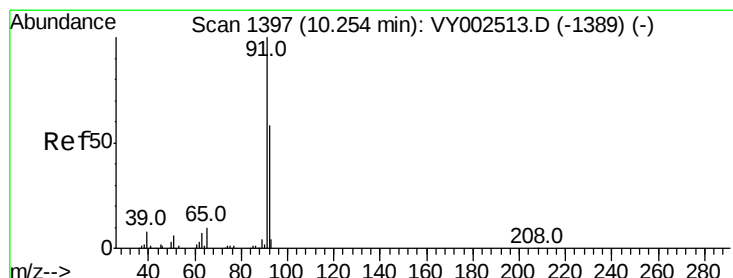
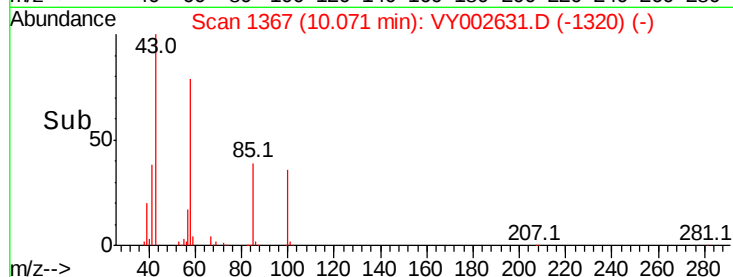
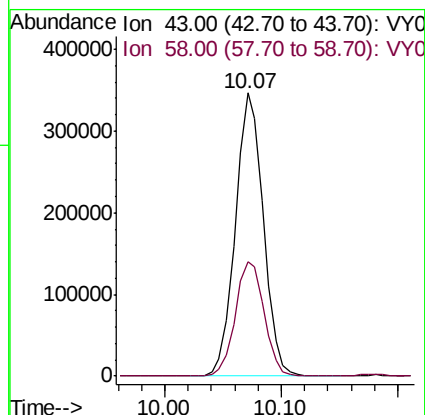
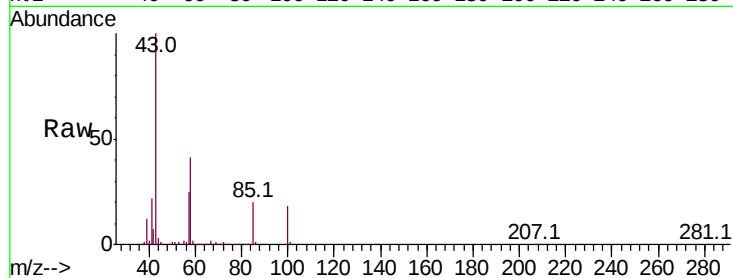
ClientSampled :

Tot Ion: 43 Resp: 577754

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



#52

Toluene

Concen: 54.447 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY002631.D

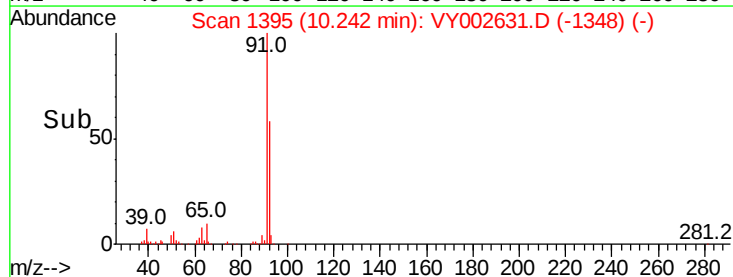
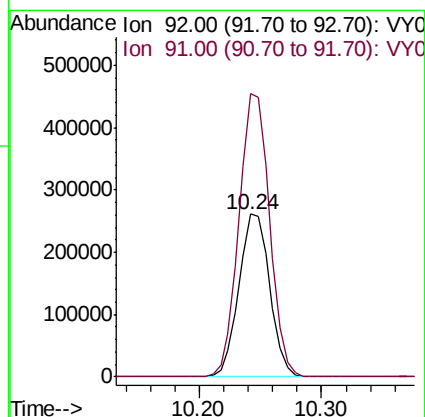
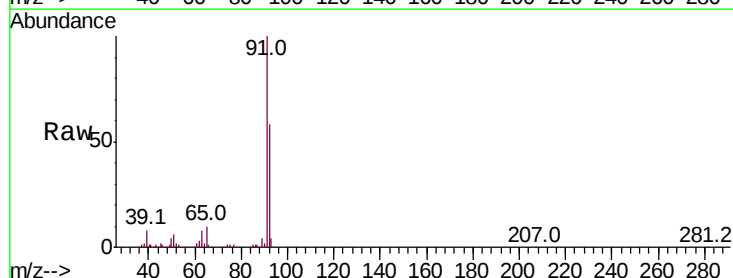
Acq: 07 May 2020 16:19

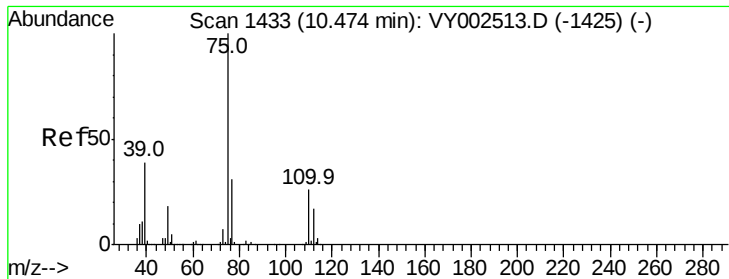
Tgt Ion: 92 Resp: 455441

Ion Ratio Lower Upper

92 100

91 173.0 139.3 208.9





#53

t-1,3-Dichloropropene

Concen: 53.787 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

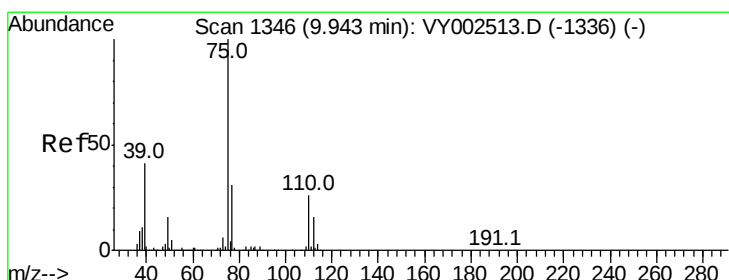
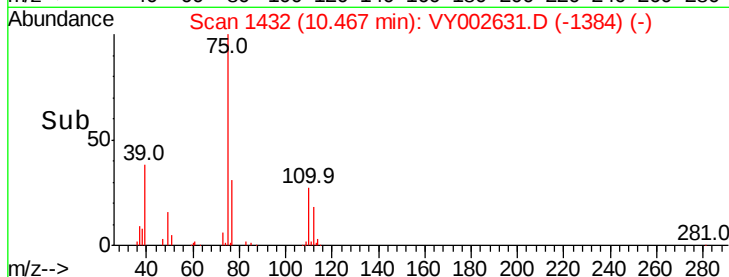
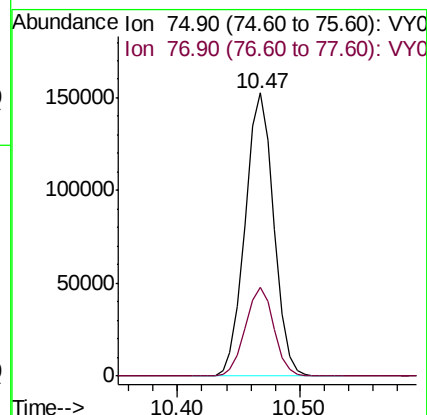
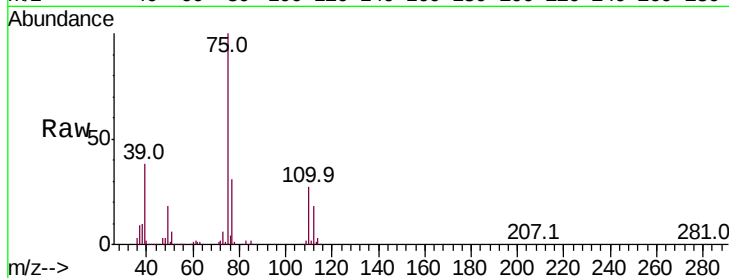
ClientSampleId :

Tot Ion: 75 Resp: 247664

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 54.074 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

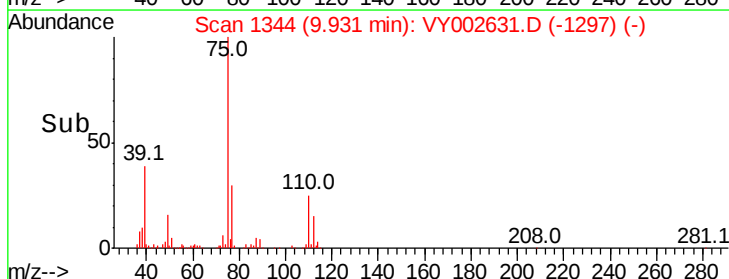
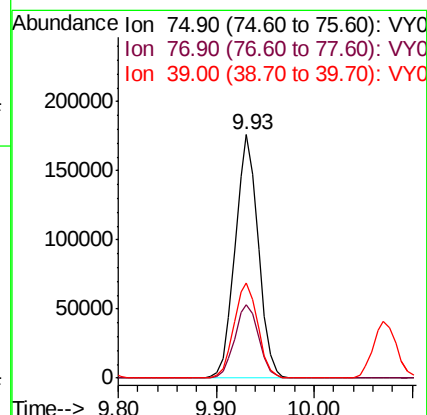
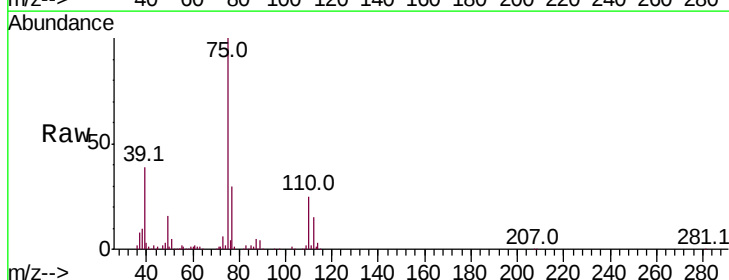
Tgt Ion: 75 Resp: 287843

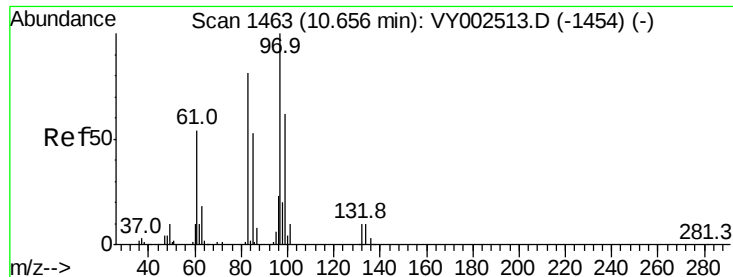
Ion Ratio Lower Upper

75 100

77 30.3 25.1 37.7

39 39.1 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 52.270 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

Tot Ion: 97 Resp: 137765

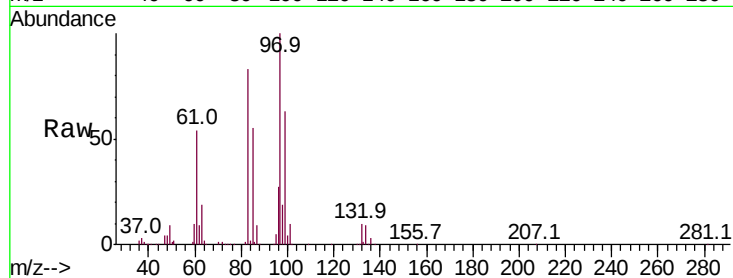
Ion Ratio Lower Upper

97 100

83 83.4 65.1 97.7

85 55.1 42.7 64.1

99 62.6 50.0 75.0

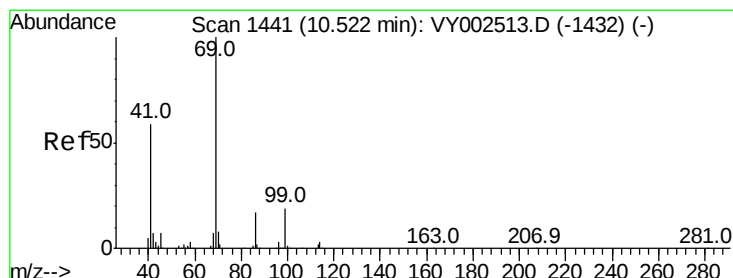
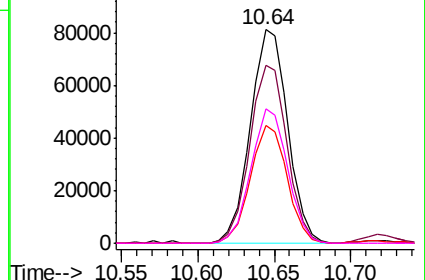
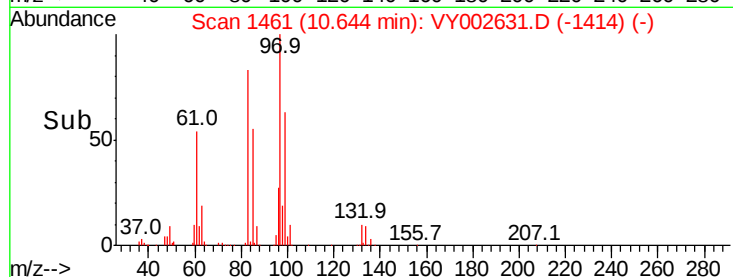


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 53.806 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

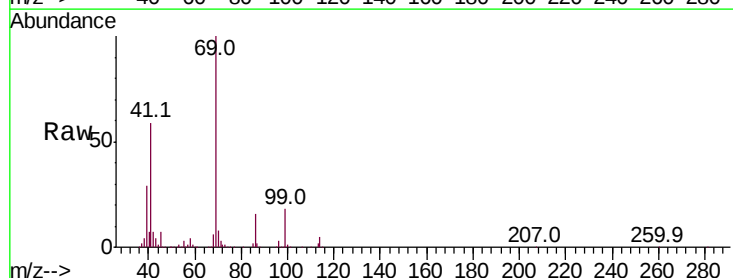
Tgt Ion: 69 Resp: 188658

Ion Ratio Lower Upper

69 100

41 59.3 48.6 73.0

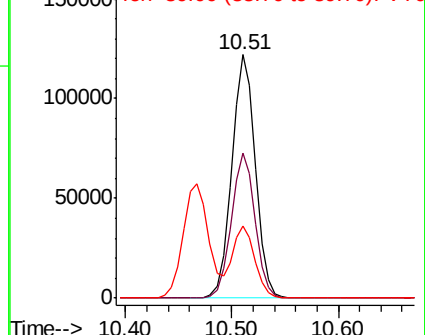
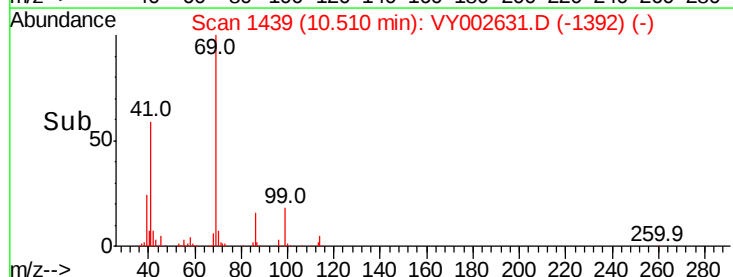
39 27.9 25.0 37.4

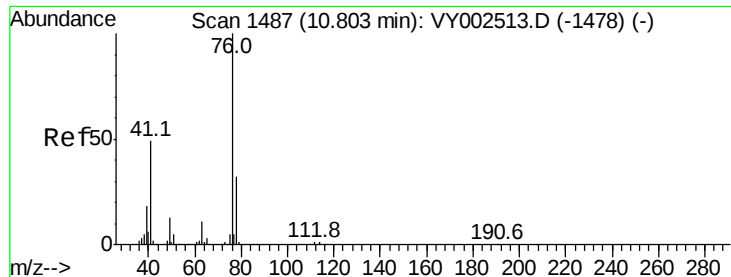


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 52.486 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

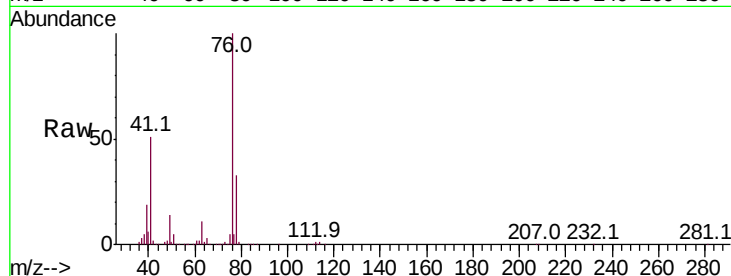
ClientSampleId :

Tot Ion: 76 Resp: 234595

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

10.79

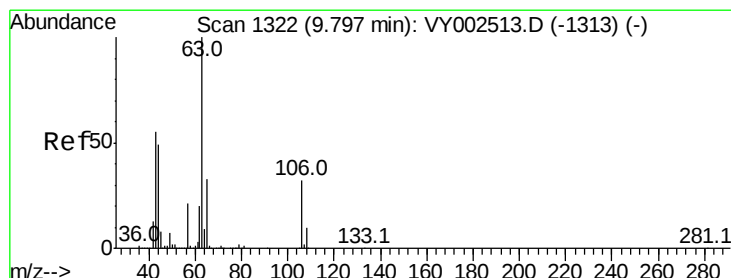
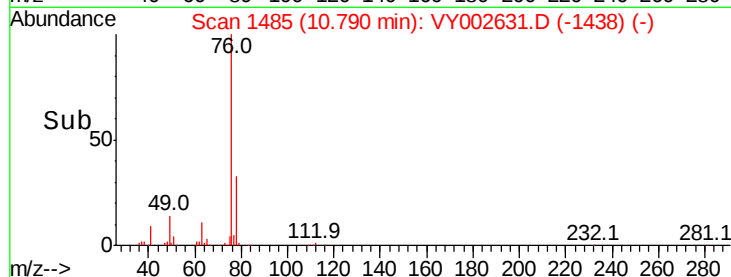
150000

100000

50000

0

Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 254.213 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY002631.D

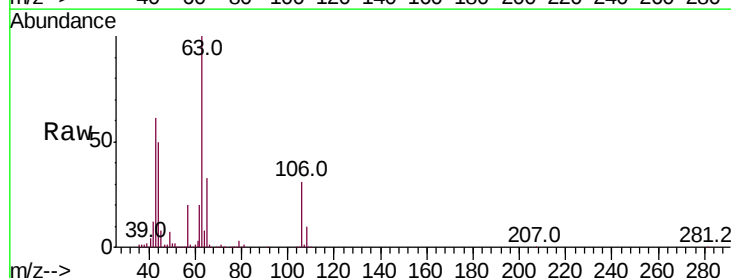
Acq: 07 May 2020 16:19

Tgt Ion: 63 Resp: 470048

Ion Ratio Lower Upper

63 100

106 30.9 25.2 37.8



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

9.78

300000

250000

200000

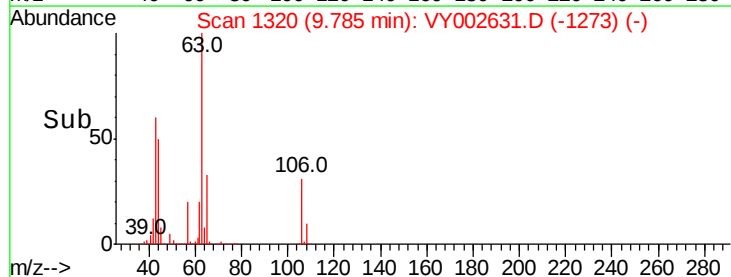
150000

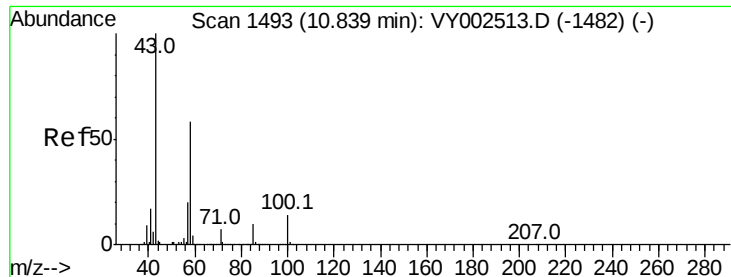
100000

50000

0

Time--> 9.70 9.80 9.90





#59

2-Hexanone

Concen: 261.514 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

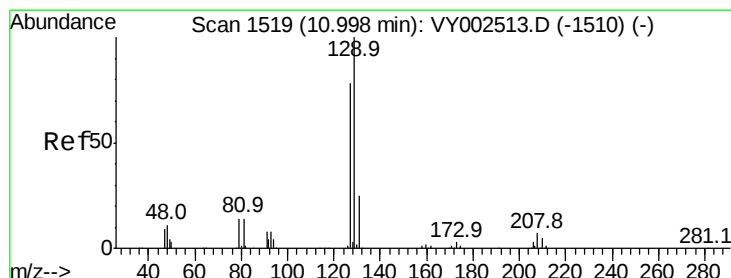
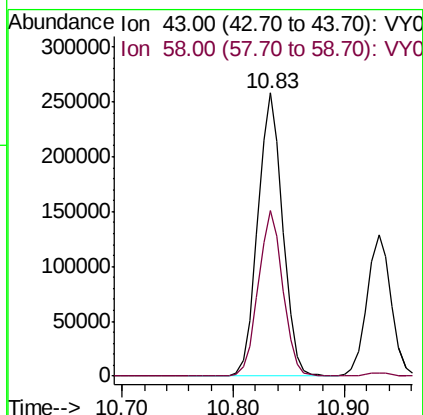
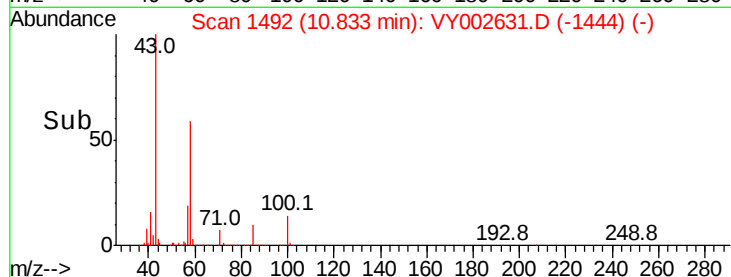
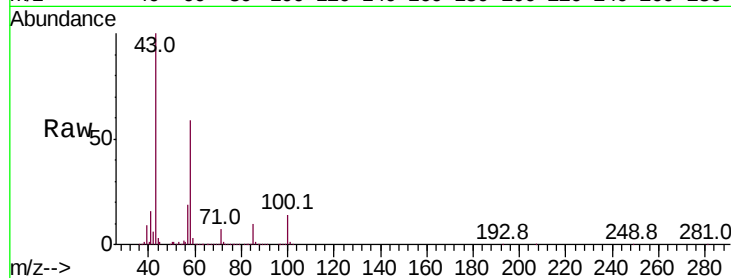
ClientSampleId :

Tot Ion: 43 Resp: 402777

Ion Ratio Lower Upper

43 100

58 57.7 29.1 87.3



#60

Dibromochloromethane

Concen: 52.935 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VY002631.D

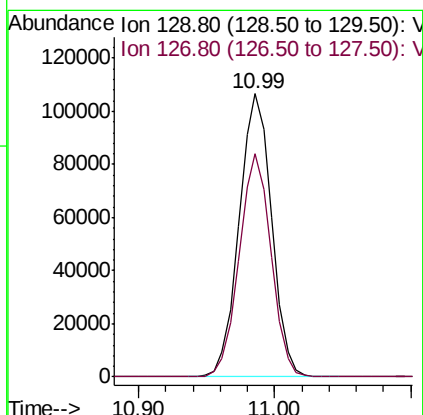
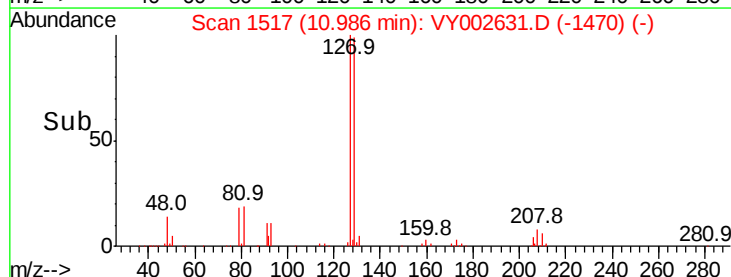
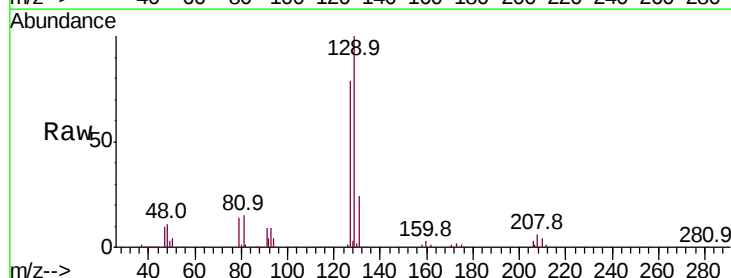
Acq: 07 May 2020 16:19

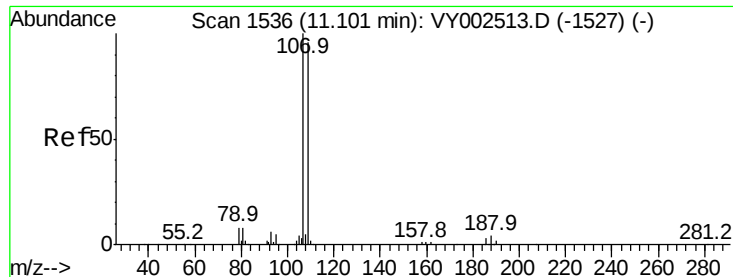
Tgt Ion: 129 Resp: 177449

Ion Ratio Lower Upper

129 100

127 77.3 39.0 117.0





#61

1,2-Dibromoethane

Concen: 51.147 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

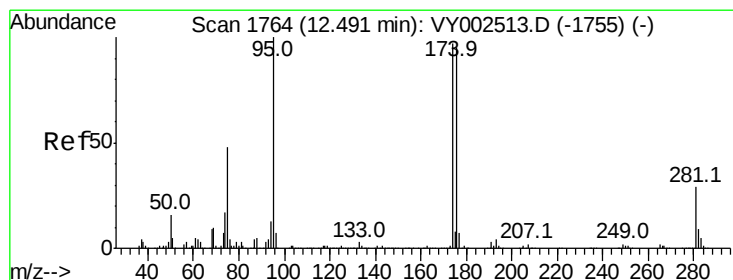
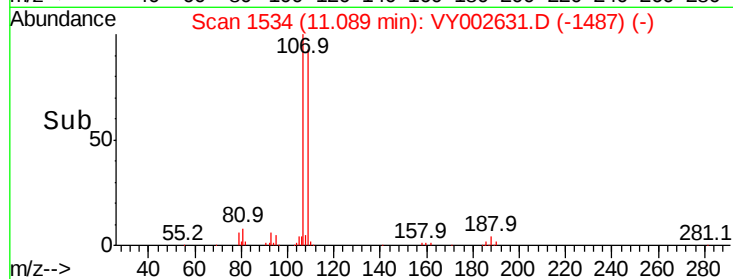
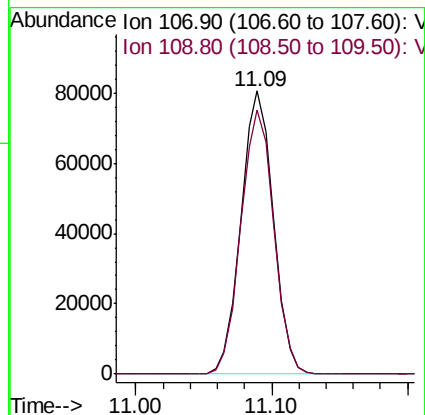
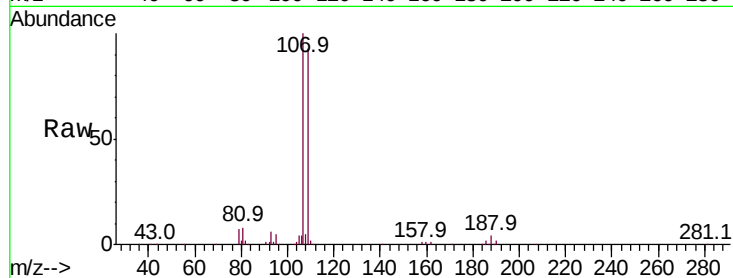
ClientSampleId :

Tot Ion:107 Resp: 133480

Ion Ratio Lower Upper

107 100

109 95.0 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 50.314 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

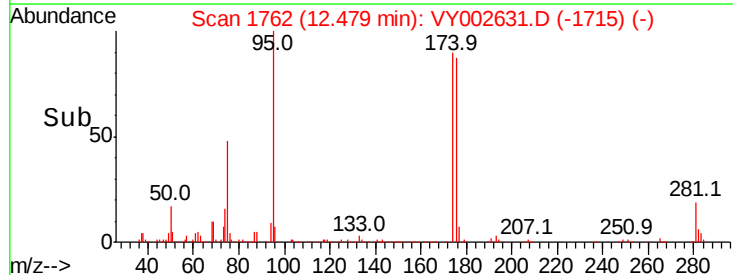
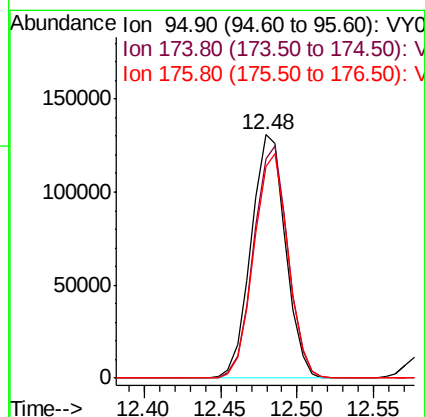
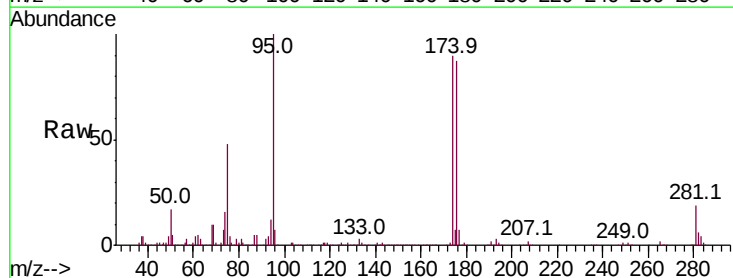
Tgt Ion: 95 Resp: 204975

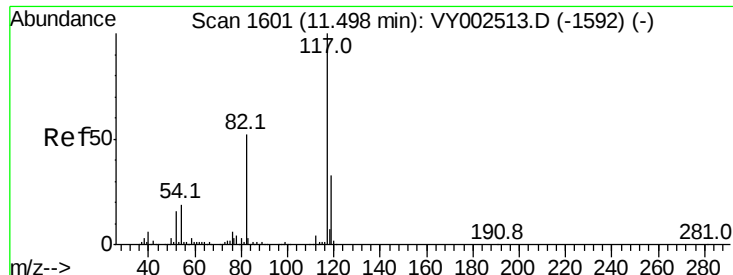
Ion Ratio Lower Upper

95 100

174 95.0 0.0 188.8

176 92.0 0.0 183.2

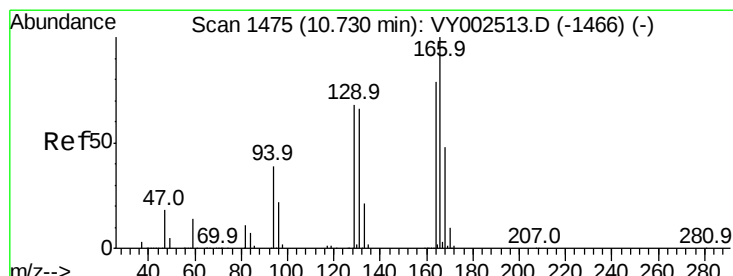
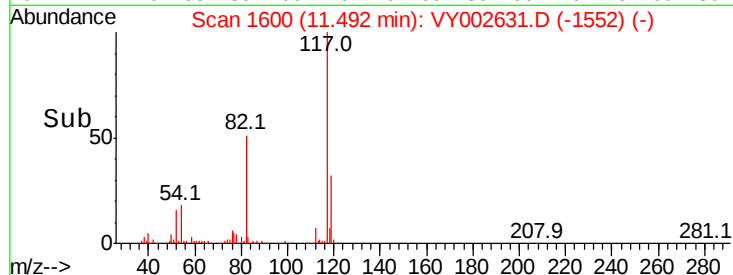
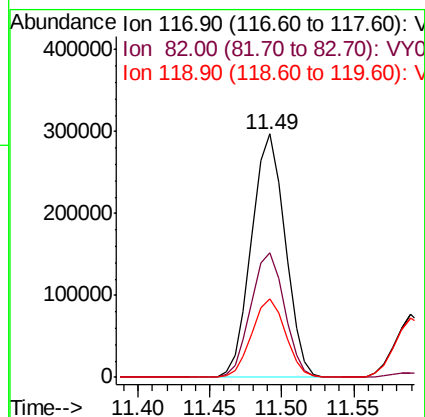
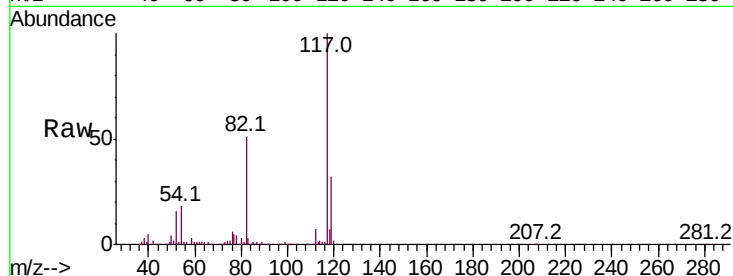




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

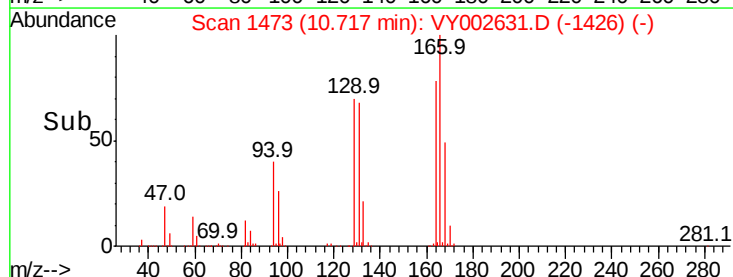
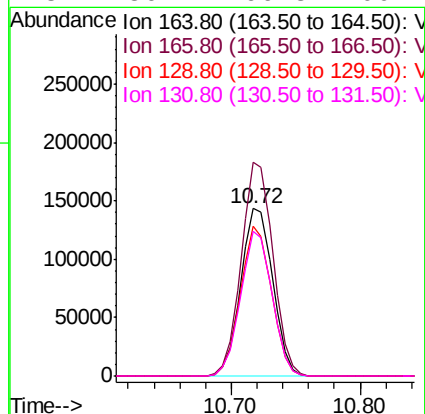
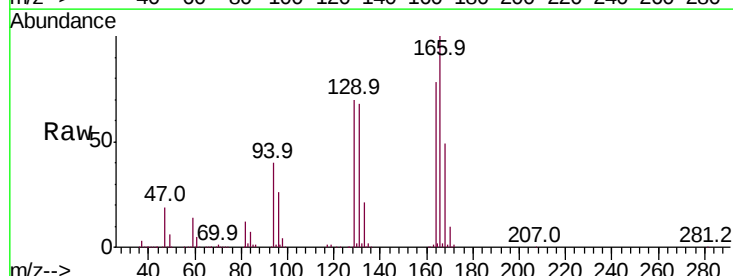
Instrument :
MSVOA_Y
ClientSampleId :

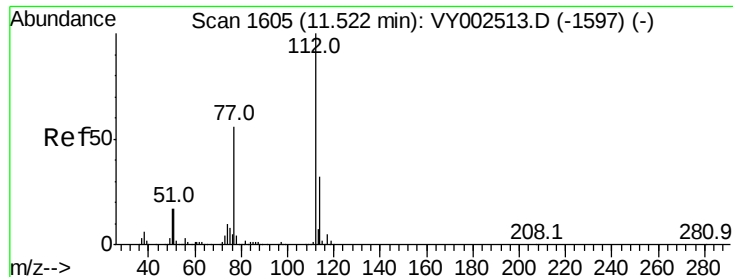
Tot Ion:117 Resp: 480939
Ion Ratio Lower Upper
117 100
82 51.1 41.3 61.9
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 57.507 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion:164 Resp: 245736
Ion Ratio Lower Upper
164 100
166 127.6 100.7 151.1
129 89.4 68.3 102.5
131 86.2 66.8 100.2

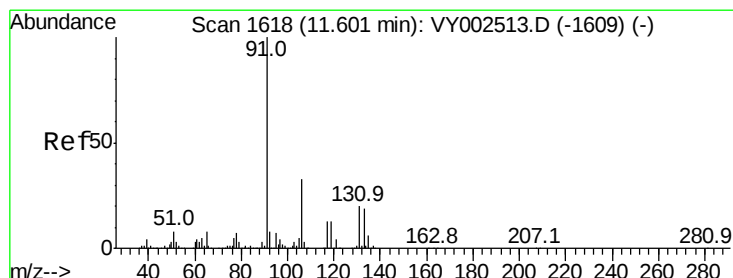
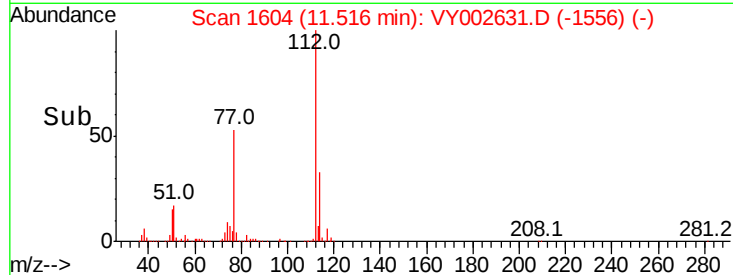
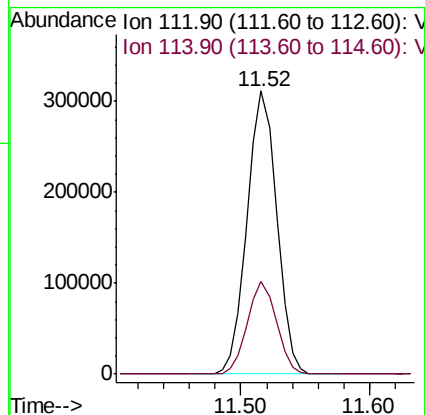
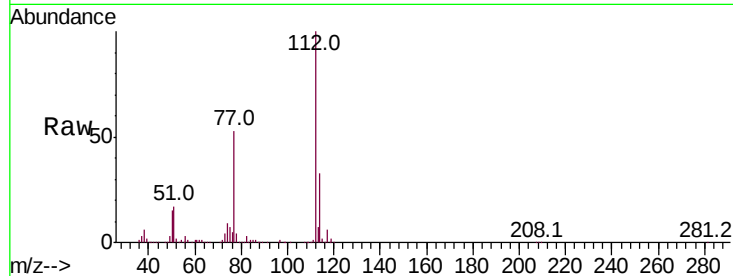




#65
Chlorobenzene
Concen: 54.191 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

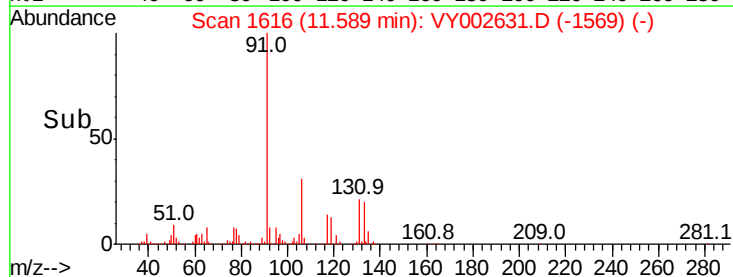
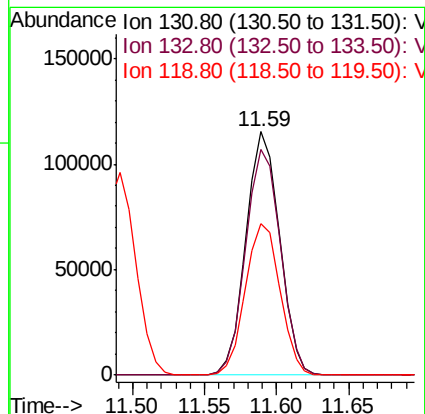
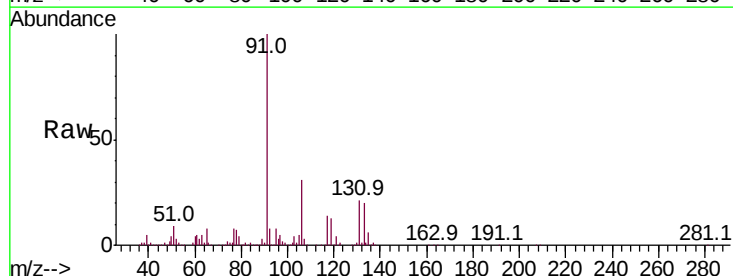
Instrument :
MSVOA_Y
ClientSampleId :

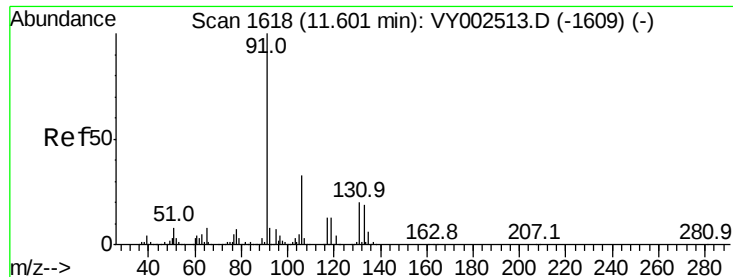
Tot Ion:112 Resp: 495447
Ion Ratio Lower Upper
112 100
114 32.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 55.089 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion:131 Resp: 186960
Ion Ratio Lower Upper
131 100
133 95.4 48.1 144.4
119 64.1 31.6 95.0





#67

Ethyl Benzene

Concen: 55.307 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

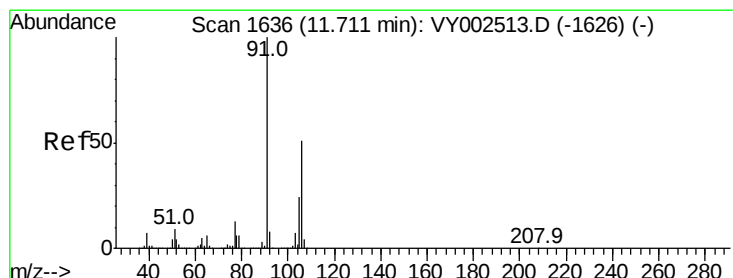
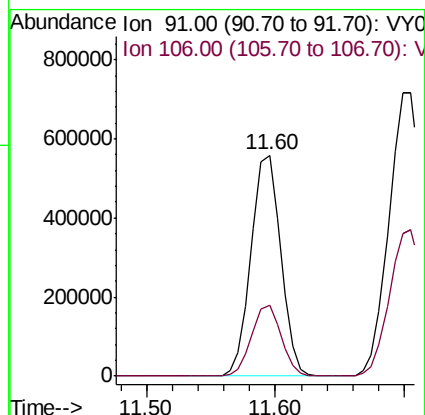
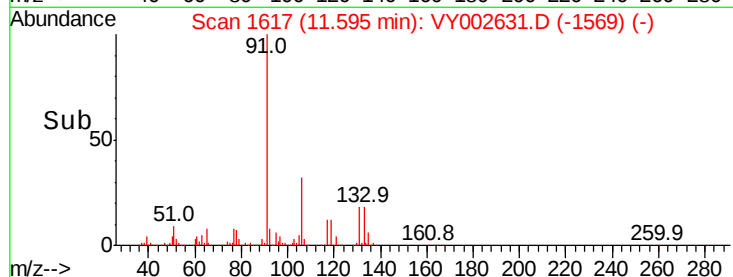
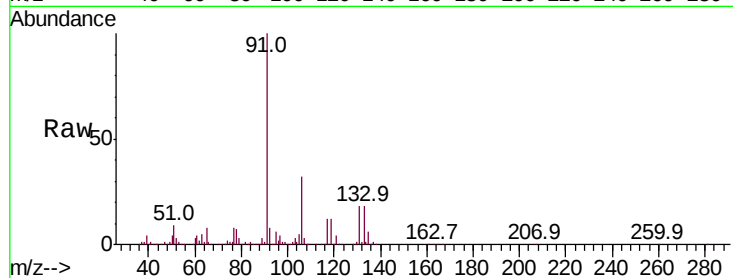
ClientSampled :

Tot Ion: 91 Resp: 888207

Ion Ratio Lower Upper

91 100

106 32.3 26.1 39.1



#68

m/p-Xylenes

Concen: 110.901 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY002631.D

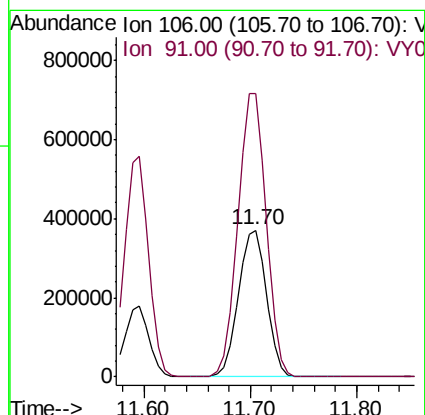
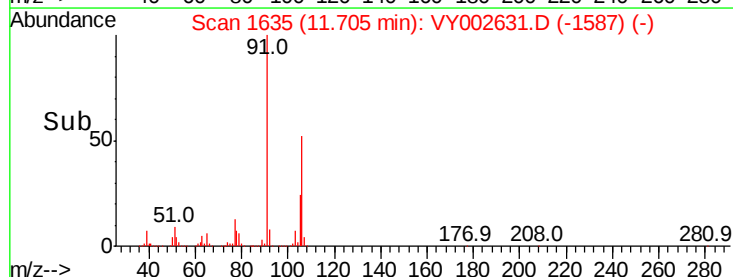
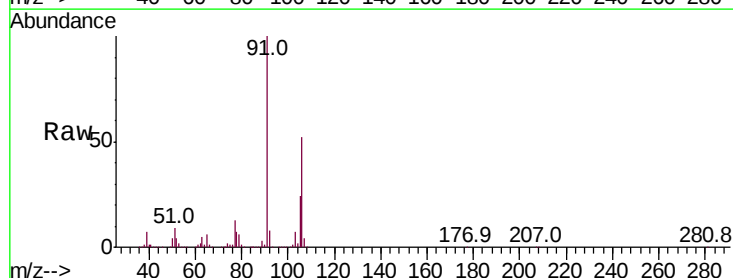
Acq: 07 May 2020 16:19

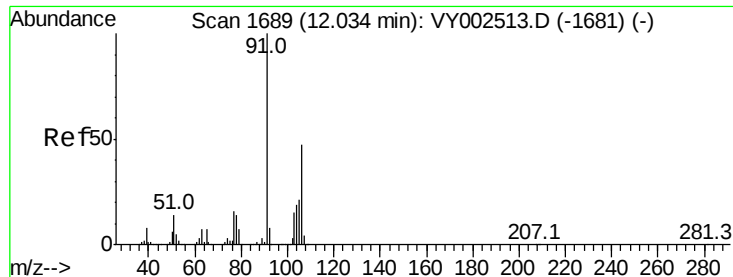
Tgt Ion: 106 Resp: 689123

Ion Ratio Lower Upper

106 100

91 193.9 155.2 232.8

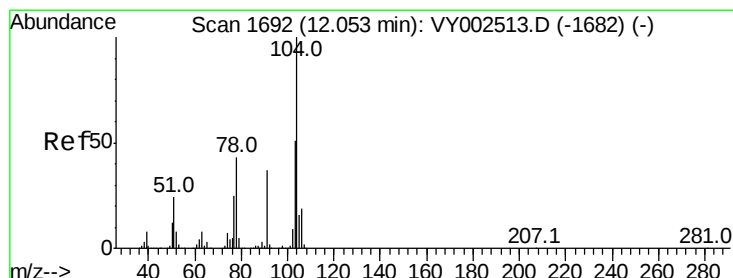
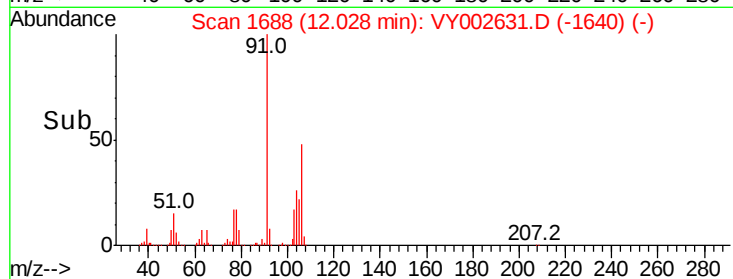
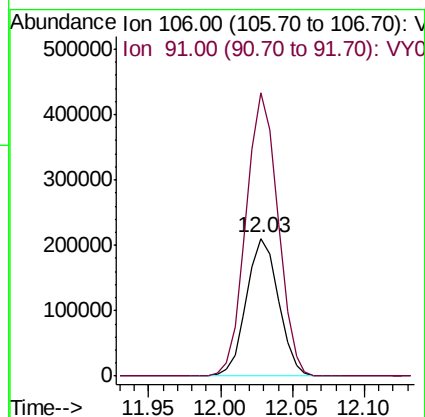
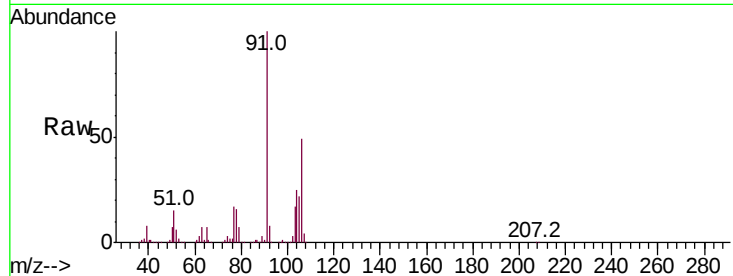




#69
o-Xylene
Concen: 55.686 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

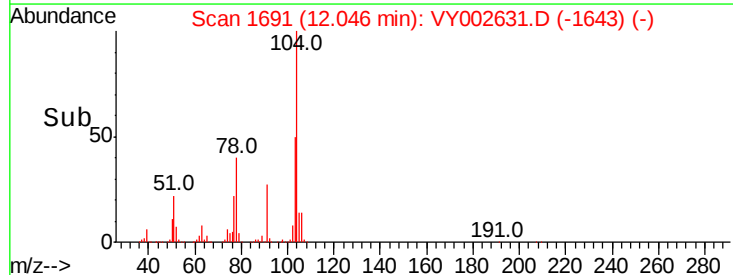
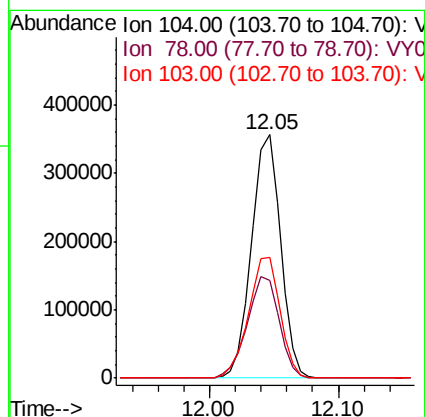
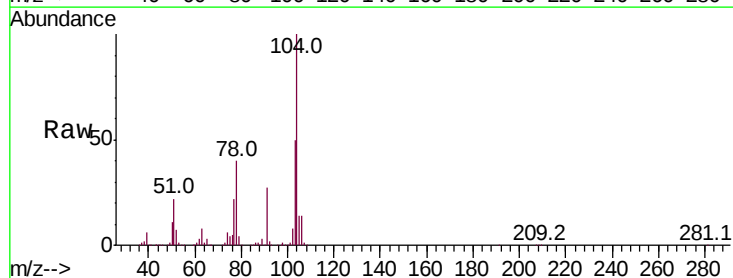
Instrument :
MSVOA_Y
ClientSampled :

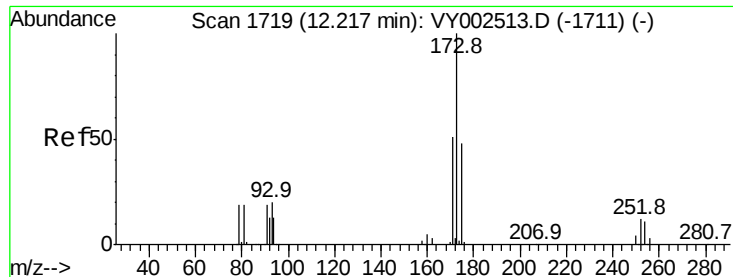
Tot Ion:106 Resp: 323987
Ion Ratio Lower Upper
106 100
91 205.3 103.8 311.3



#70
Styrene
Concen: 55.652 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY002631.D
Acq: 07 May 2020 16:19

Tgt Ion:104 Resp: 553533
Ion Ratio Lower Upper
104 100
78 46.0 37.4 56.0
103 54.2 43.9 65.9





#71

Bromoform

Concen: 53.097 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

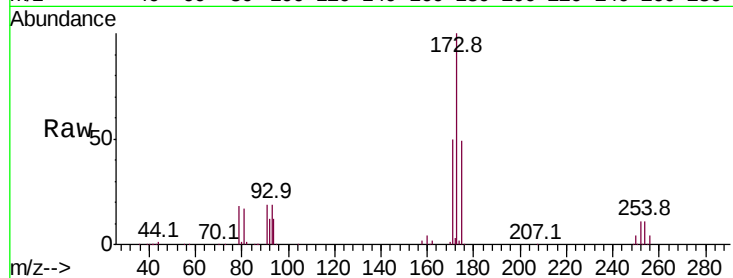
Tot Ion:173 Resp: 111844

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.8

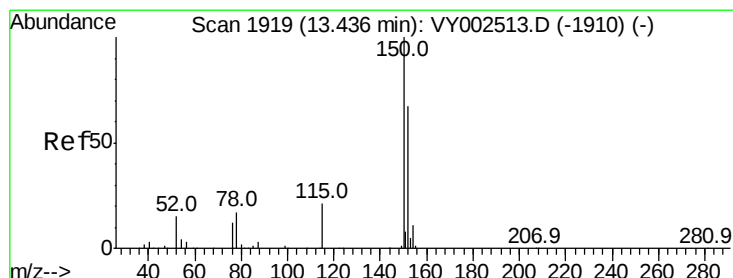
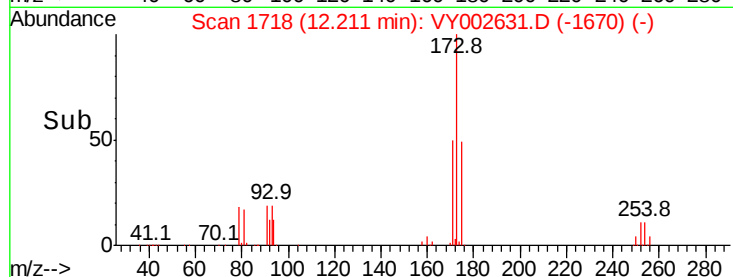
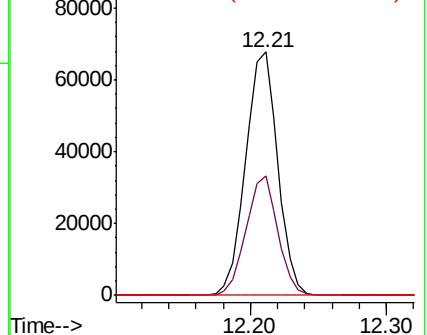
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

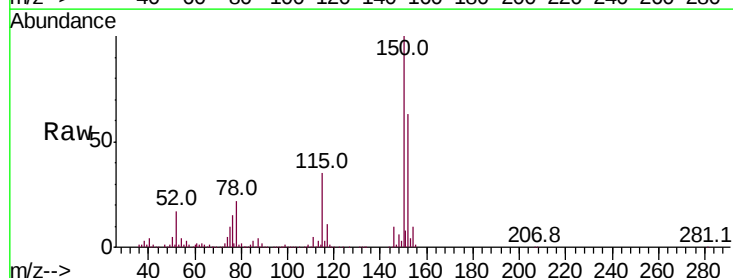
Tgt Ion:152 Resp: 248270

Ion Ratio Lower Upper

152 100

115 54.4 27.5 82.4

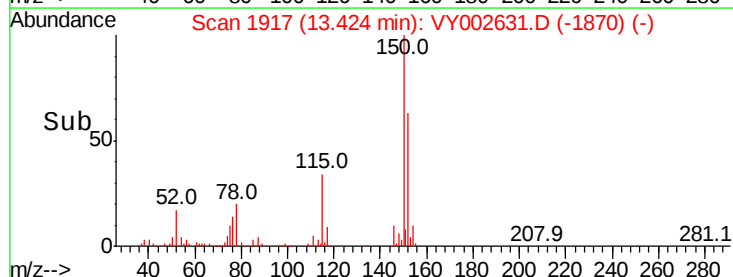
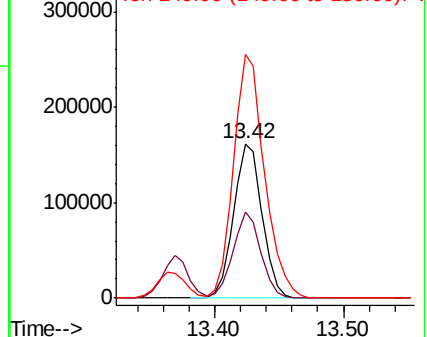
150 172.6 0.0 346.4

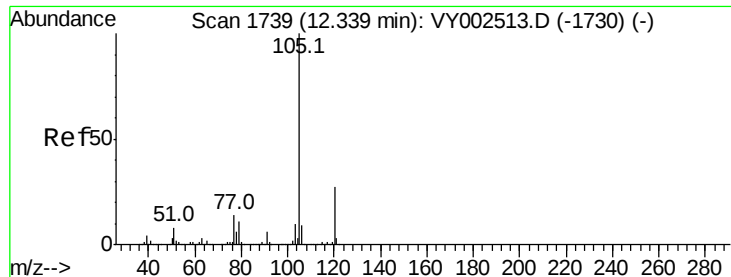


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.042 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

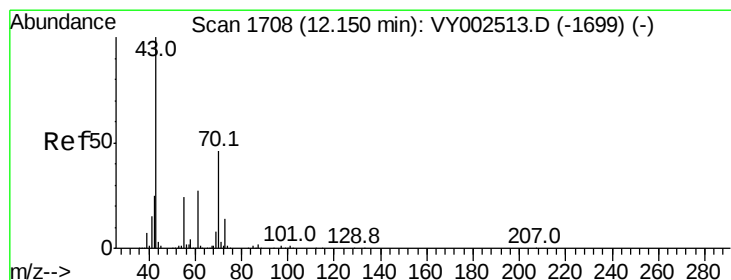
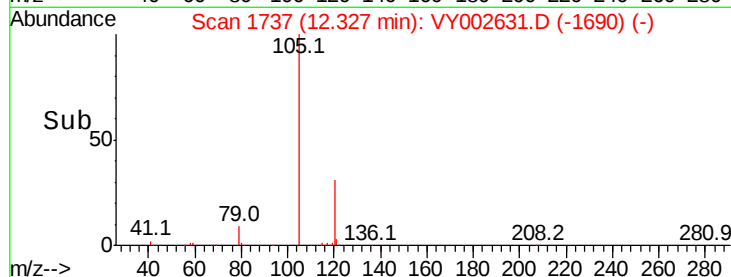
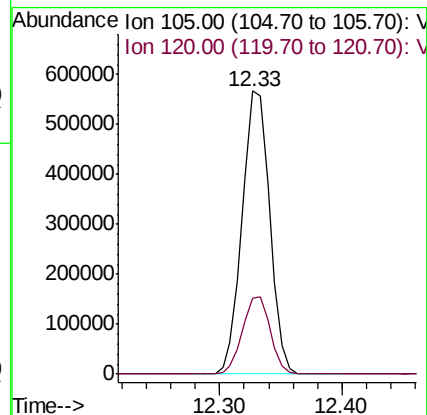
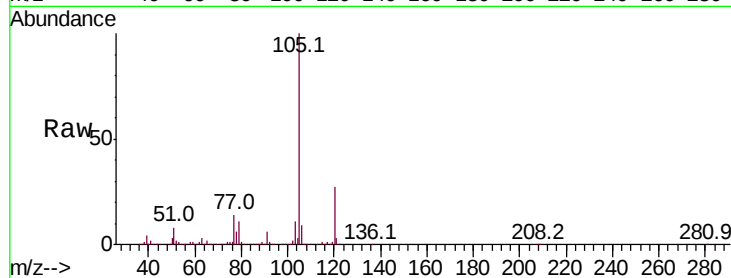
ClientSampleId :

Tot Ion:105 Resp: 885643

Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3



#74

N-ethyl acetate

Concen: 53.429 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Tgt Ion: 43 Resp: 206800

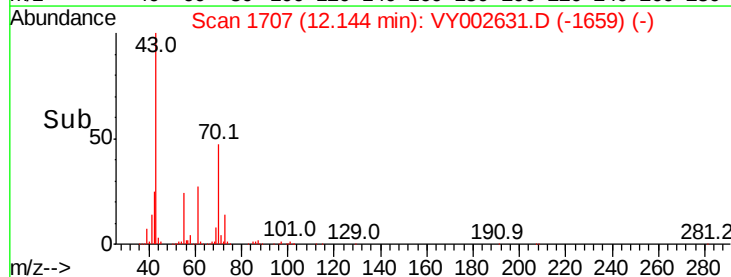
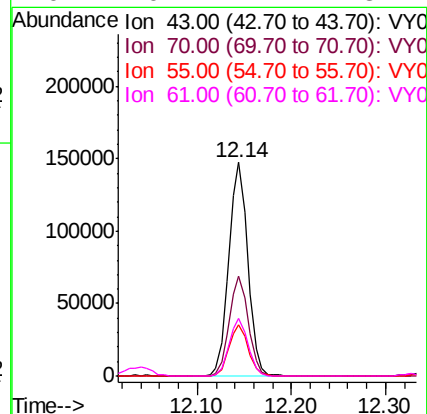
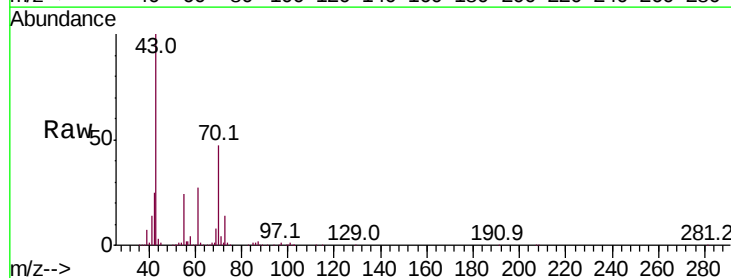
Ion Ratio Lower Upper

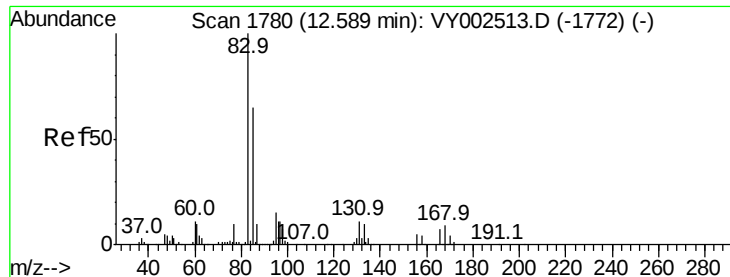
43 100

70 46.6 36.7 55.1

55 24.4 19.2 28.8

61 26.7 21.1 31.7





#75

1,1,2,2-Tetrachloroethane

Concen: 49.279 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

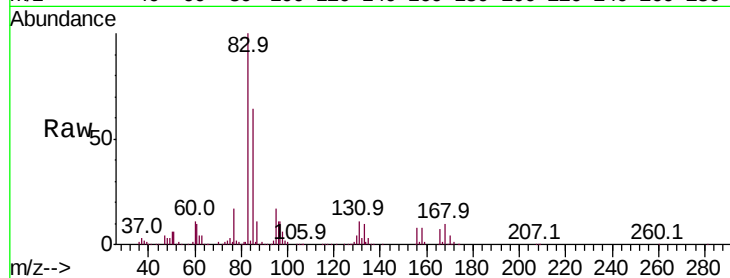
Tot Ion: 83 Resp: 126101

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.8

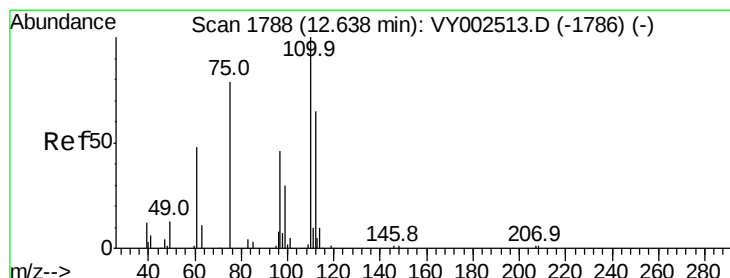
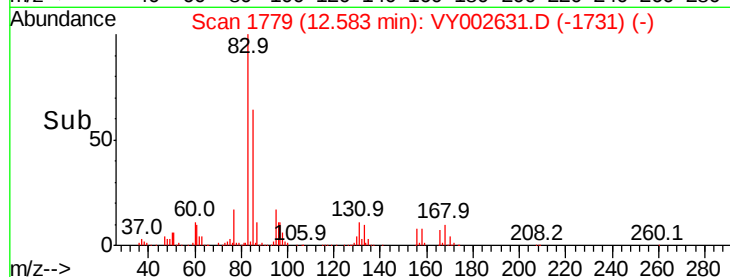
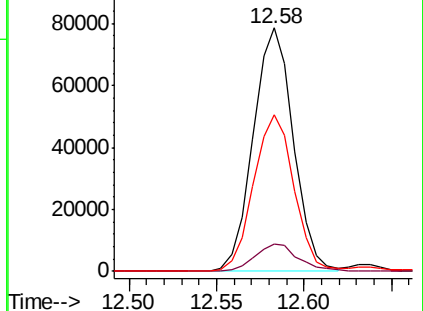
85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VY002513.D (-1772) (-)

Ion 130.80 (130.50 to 131.50): VY002513.D (-1772) (-)

Ion 84.90 (84.60 to 85.60): VY002513.D (-1772) (-)



#76

1,2,3-Trichloropropane

Concen: 91.732 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY002631.D

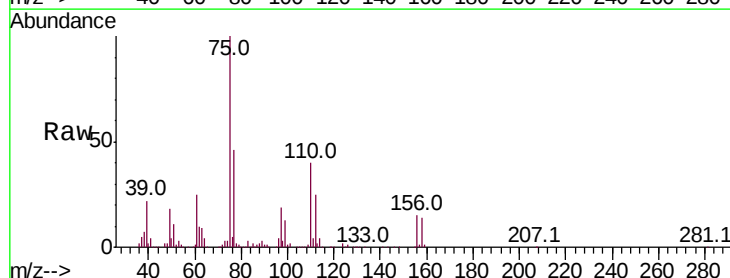
Acq: 07 May 2020 16:19

Tgt Ion: 75 Resp: 202389

Ion Ratio Lower Upper

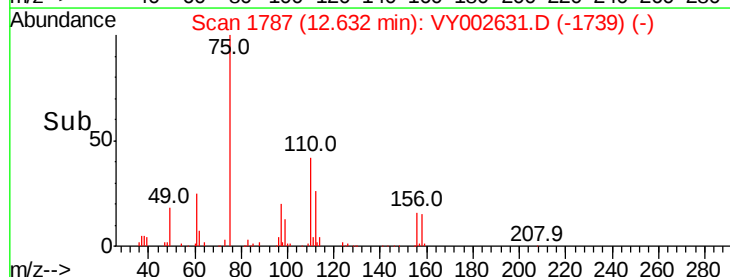
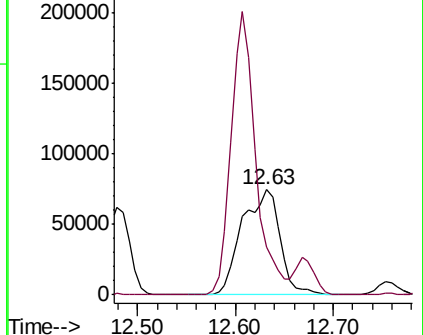
75 100

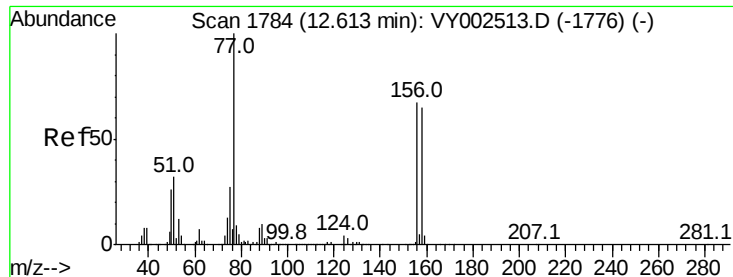
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002513.D (-1786) (-)

Ion 77.00 (76.70 to 77.70): VY002513.D (-1786) (-)





#77

Bromobenzene

Concen: 53.349 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

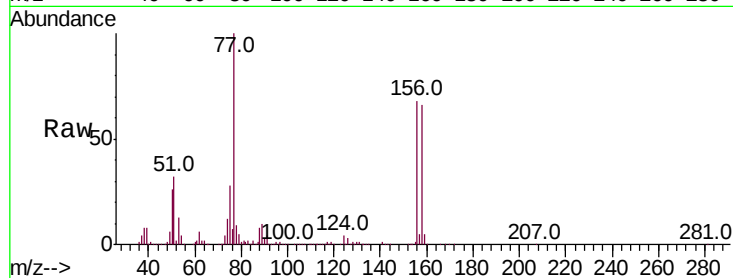
Tot Ion:156 Resp: 214462

Ion Ratio Lower Upper

156 100

77 163.0 82.0 245.8

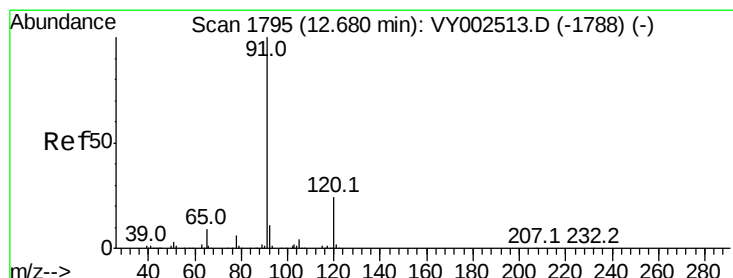
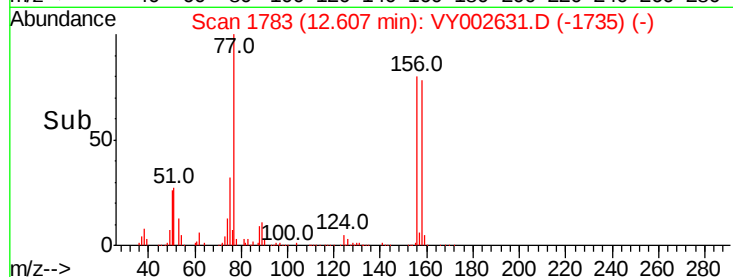
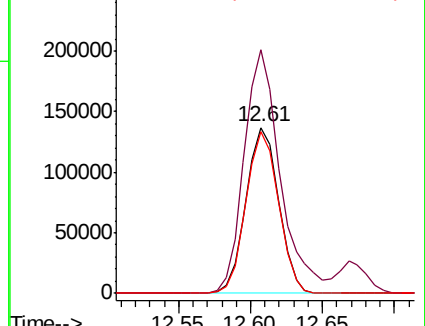
158 97.3 48.5 145.6



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: 55.074 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY002631.D

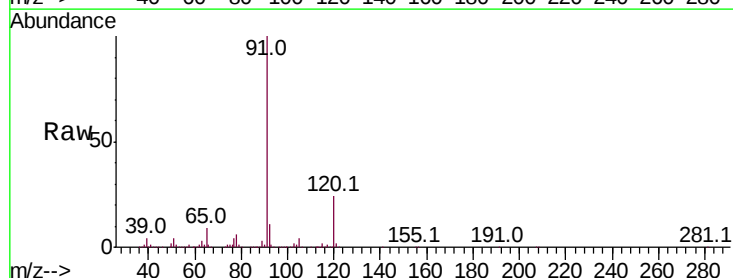
Acq: 07 May 2020 16:19

Tgt Ion: 91 Resp: 1028359

Ion Ratio Lower Upper

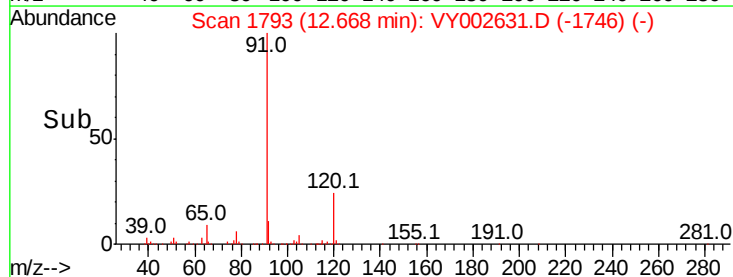
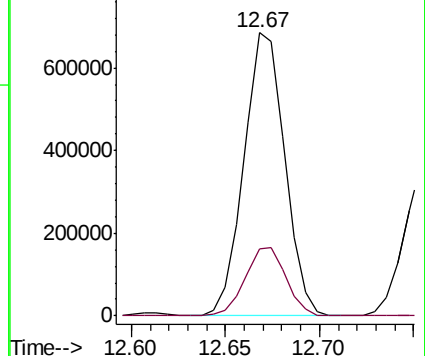
91 100

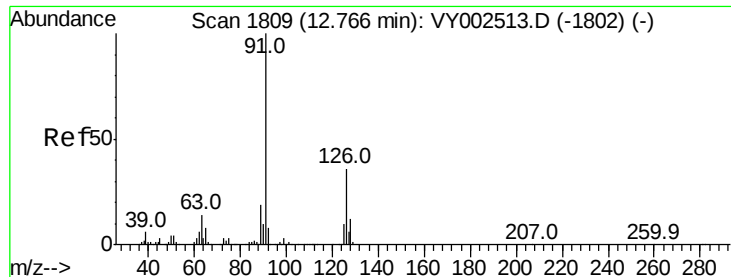
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.761 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

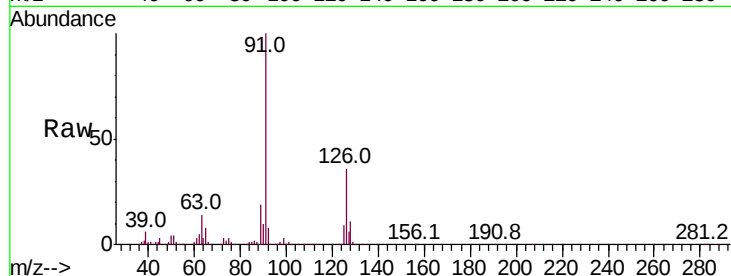
ClientSampleId :

Tot Ion: 91 Resp: 566404

Ion Ratio Lower Upper

91 100

126 36.5 18.4 55.2



Abundance Ion 91.00 (90.70 to 91.70): VY002631.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002631.D (-1802) (-)

800000

600000

400000

200000

0

12.70 12.75 12.80

Abundance Ion 91.00 (90.70 to 91.70): VY002631.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY002631.D (-1802) (-)

800000

600000

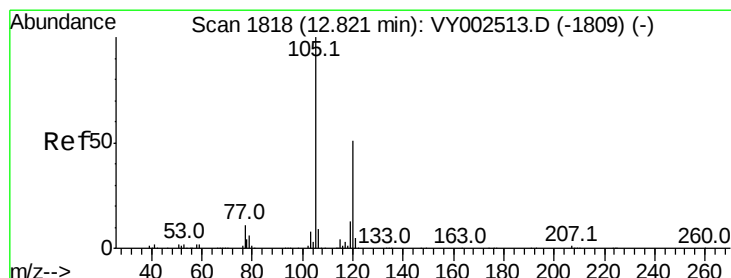
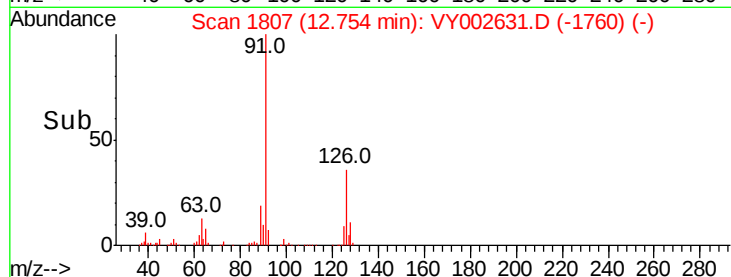
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.261 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY002631.D

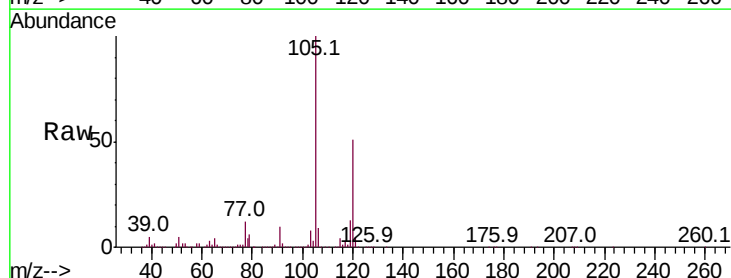
Acq: 07 May 2020 16:19

Tgt Ion:105 Resp: 737053

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.9



Abundance Ion 105.00 (104.70 to 105.70): VY002631.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY002631.D (-1769) (-)

500000

400000

300000

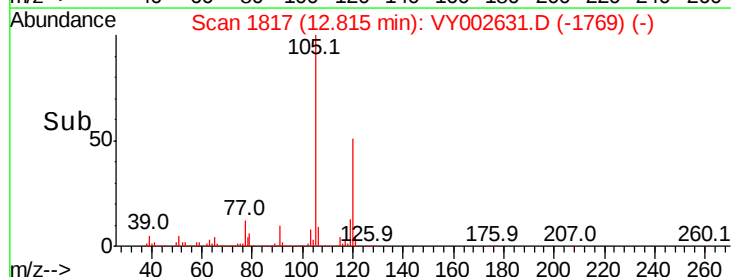
200000

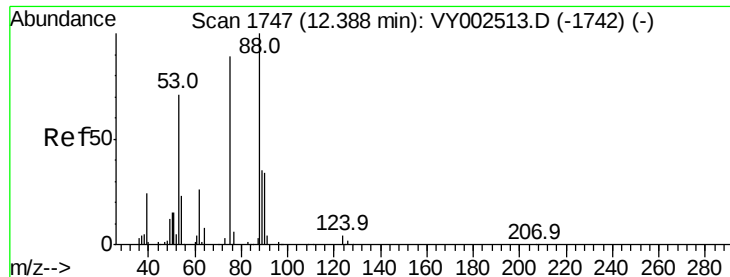
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 51.483 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

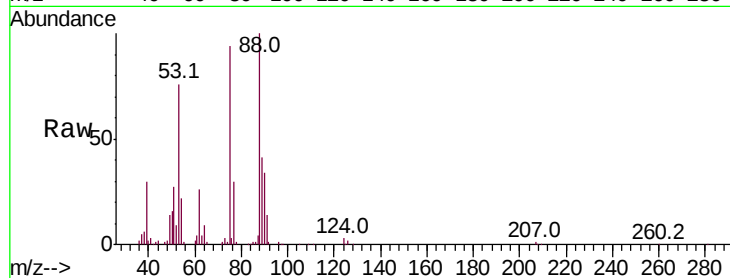
Tot Ion: 75 Resp: 56646

Ion Ratio Lower Upper

75 100

53 83.9 67.4 101.0

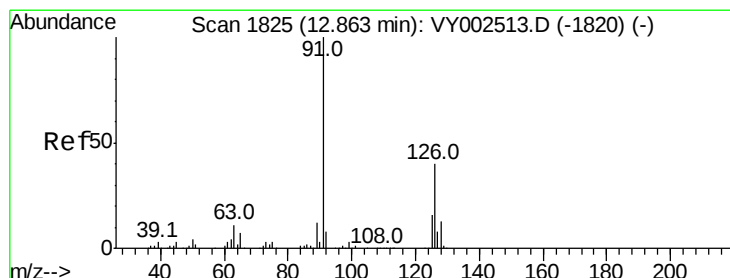
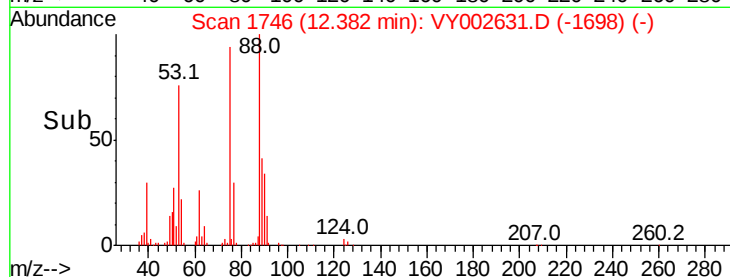
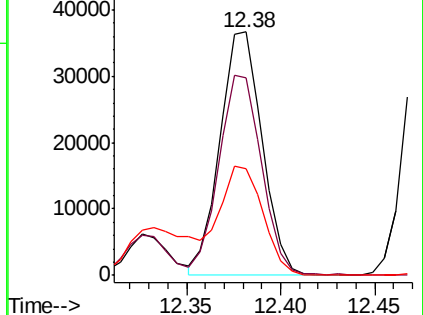
89 46.7 37.4 56.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 54.085 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY002631.D

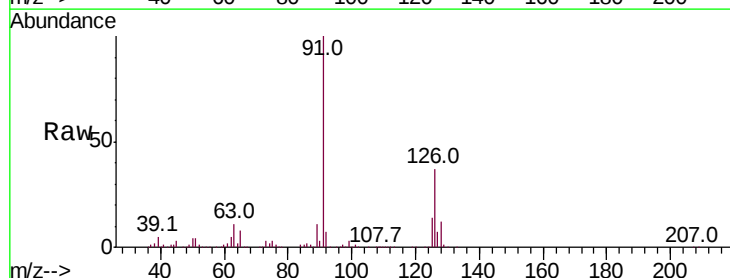
Acq: 07 May 2020 16:19

Tgt Ion: 91 Resp: 587623

Ion Ratio Lower Upper

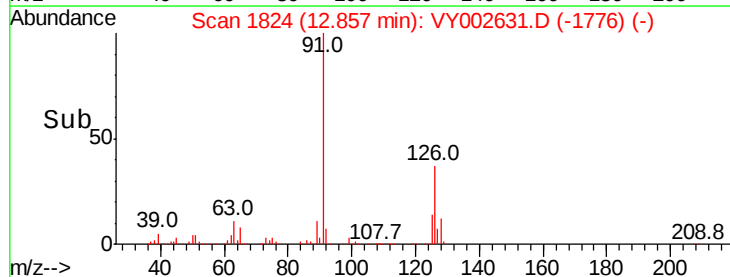
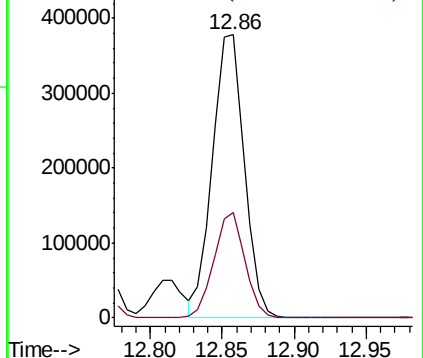
91 100

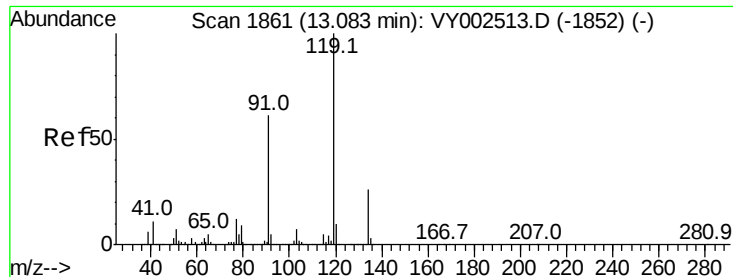
126 36.2 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

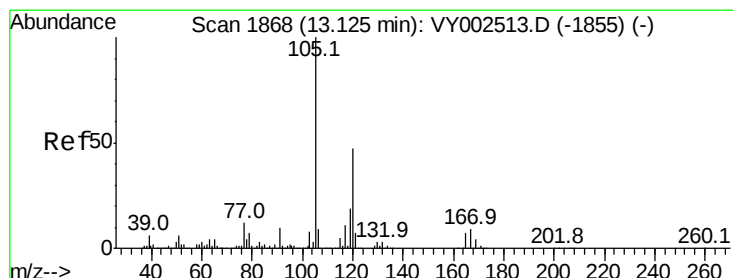
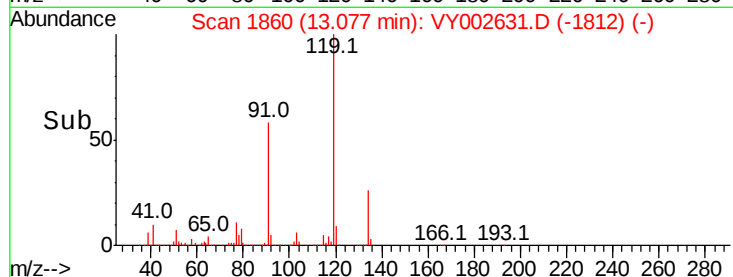
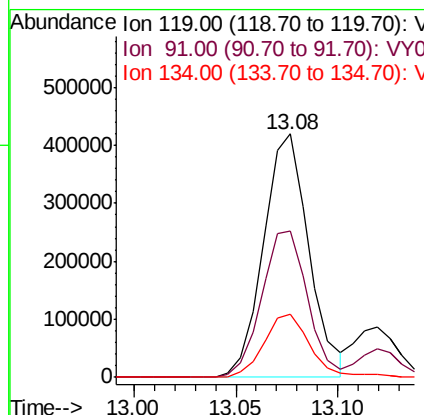
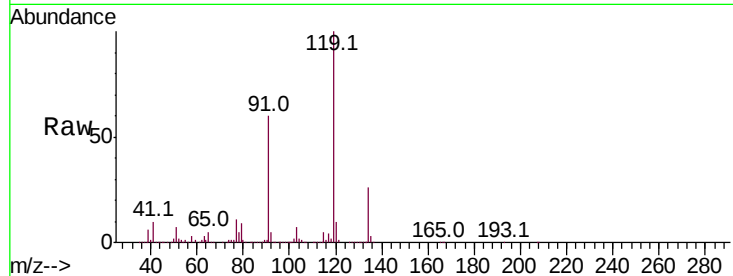




#83
 tert-Butylbenzene
 Concen: 55.644 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

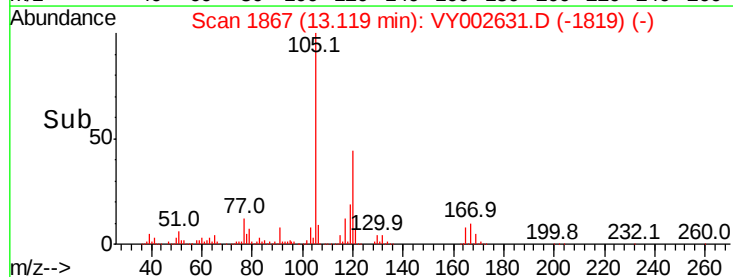
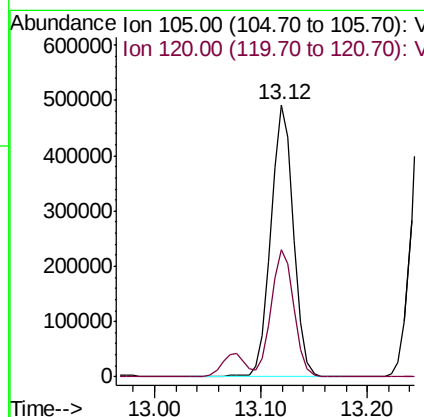
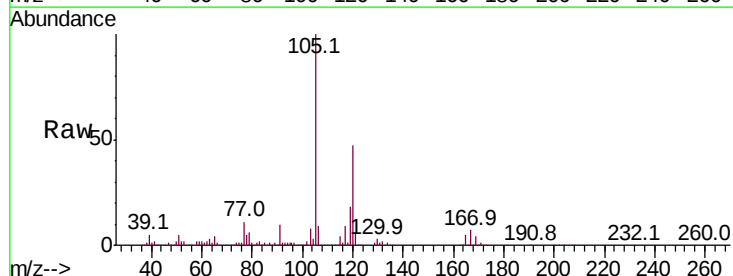
Instrument :
 MSVOA_Y
 ClientSampleId :

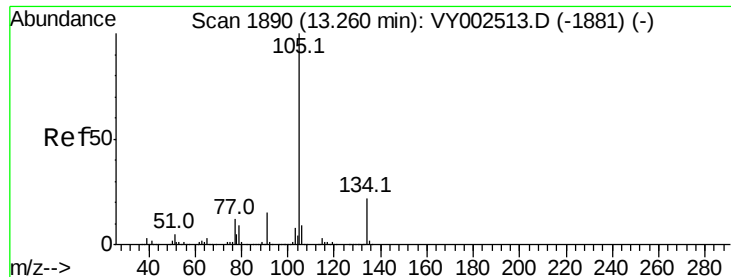
Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.6	91.6
134	26.7	13.5	40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 55.069 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





#85

sec-Butylbenzene

Concen: 55.521 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

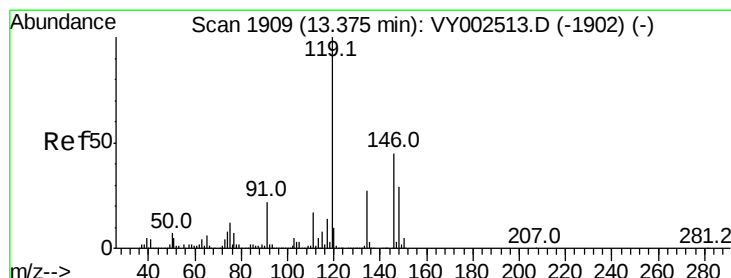
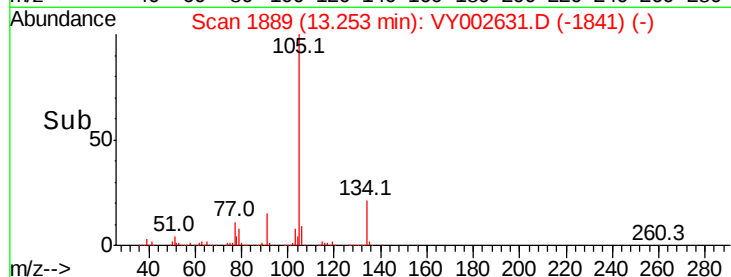
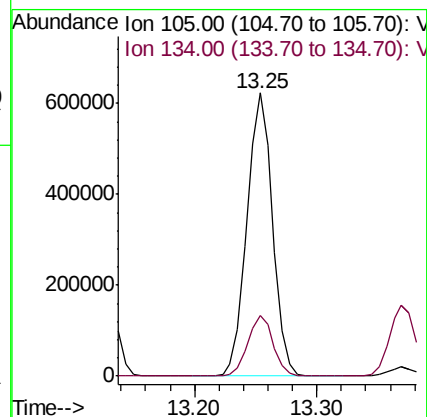
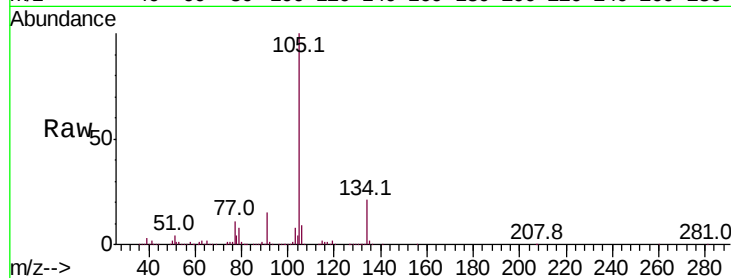
ClientSampleId :

Tot Ion:105 Resp: 900994

Ion Ratio Lower Upper

105 100

134 21.2 10.8 32.3



#86

p-Isopropyltoluene

Concen: 54.990 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

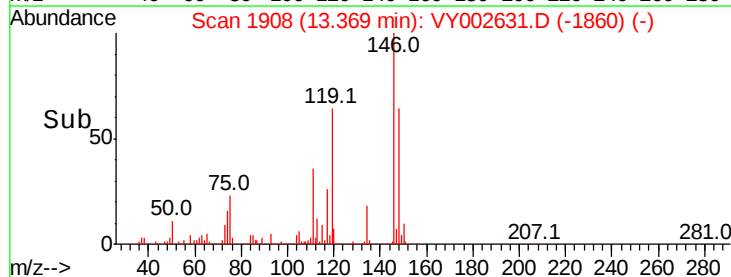
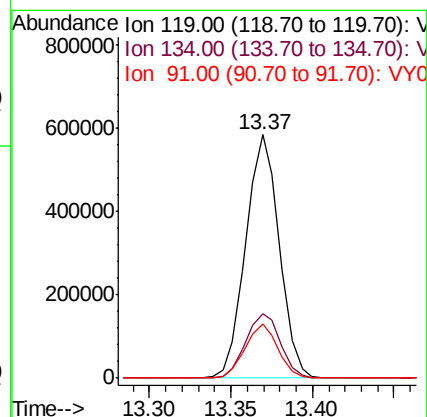
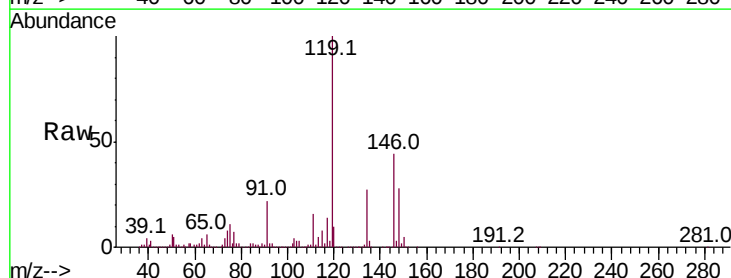
Tgt Ion:119 Resp: 836142

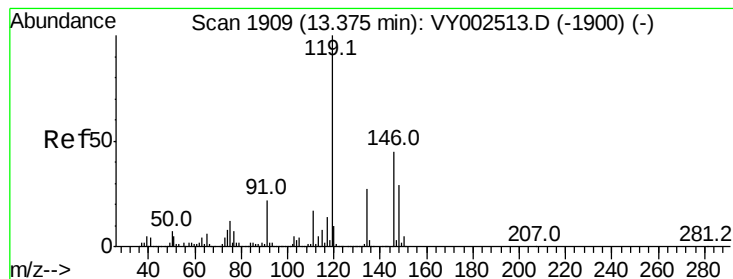
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 21.8 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 54.101 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

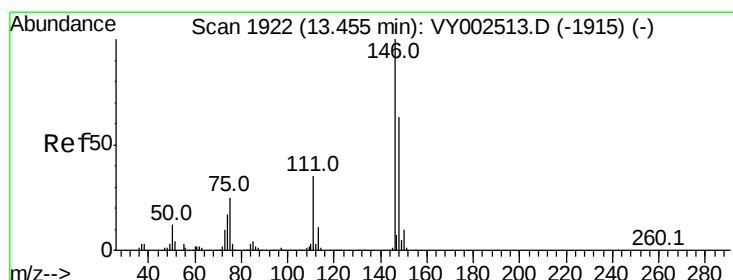
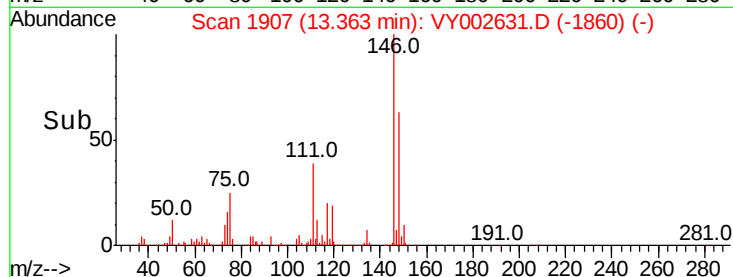
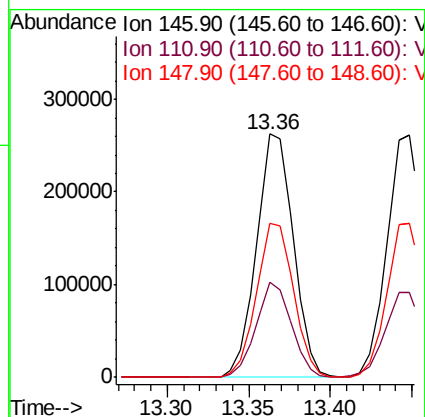
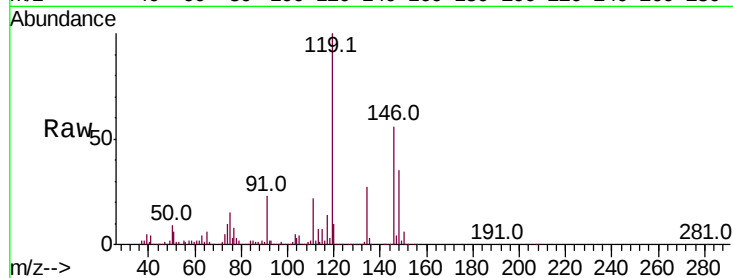
Tot Ion:146 Resp: 411626

Ion Ratio Lower Upper

146 100

111 37.3 18.8 56.3

148 63.8 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 54.102 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

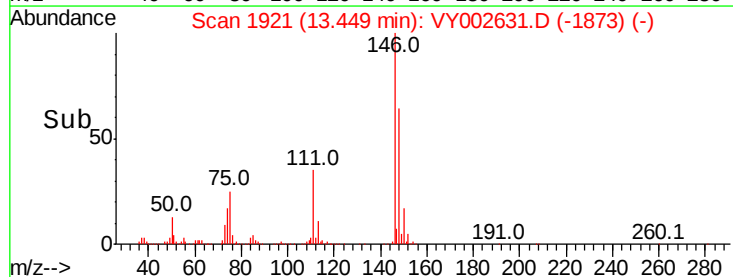
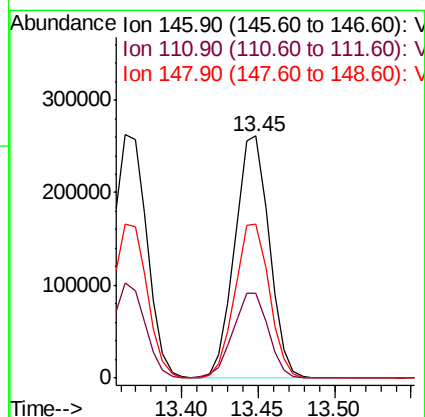
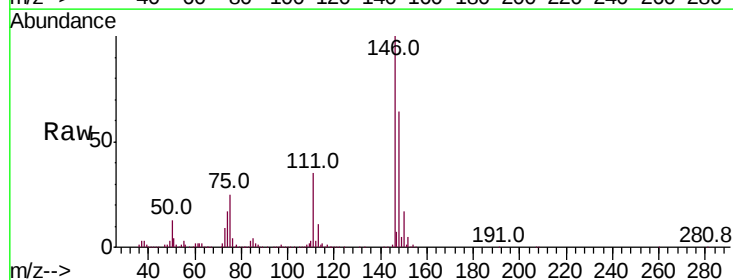
Tgt Ion:146 Resp: 407601

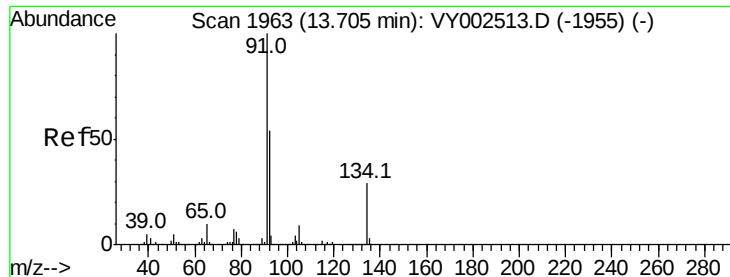
Ion Ratio Lower Upper

146 100

111 36.0 18.1 54.1

148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 55.752 ug/l

RT: 13.70 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

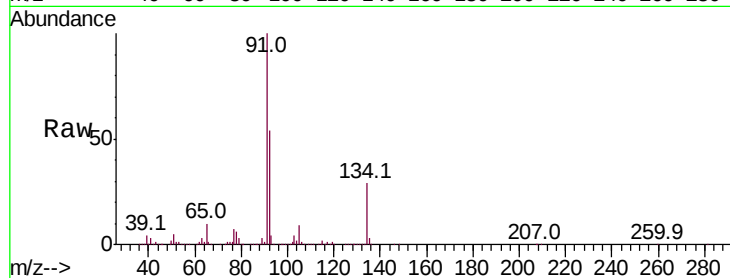
Tot Ion: 91 Resp: 771733

Ion Ratio Lower Upper

91 100

92 54.2 27.1 81.3

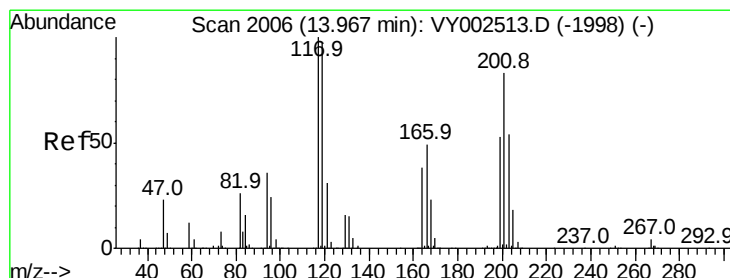
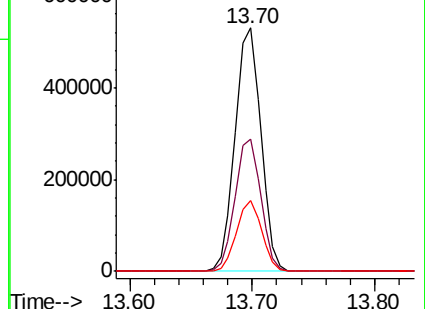
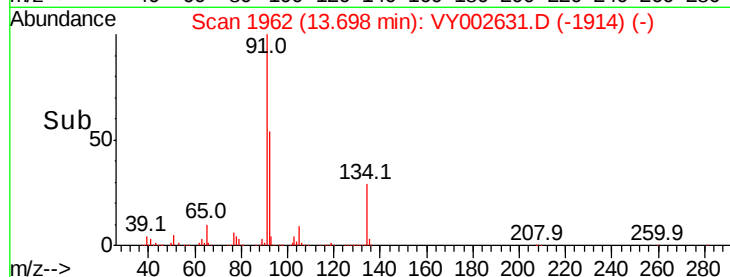
134 28.4 14.4 43.0



Abundance Ion 91.00 (90.70 to 91.70): VY002631.D (-1955) (-)

Ion 92.00 (91.70 to 92.70): VY002631.D (-1955) (-)

Ion 134.00 (133.70 to 134.70): VY002631.D (-1955) (-)



#90

Hexachloroethane

Concen: 55.920 ug/l

RT: 13.96 min Scan# 2005

Delta R.T. -0.01 min

Lab File: VY002631.D

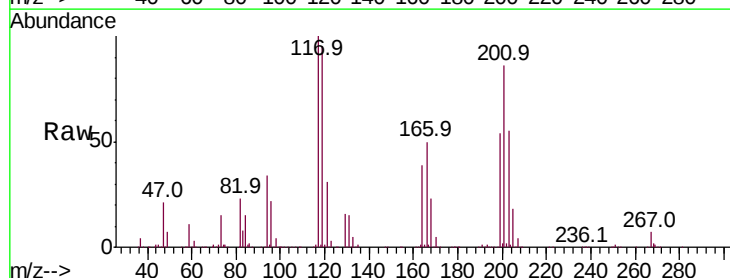
Acq: 07 May 2020 16:19

Tgt Ion: 117 Resp: 154845

Ion Ratio Lower Upper

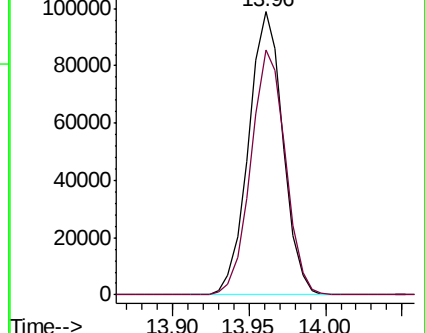
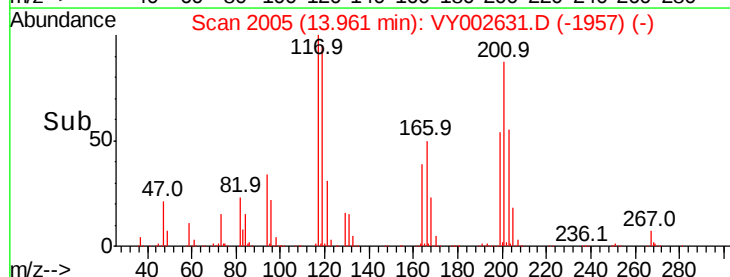
117 100

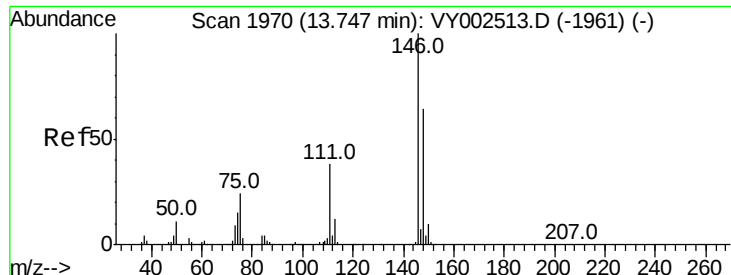
201 86.7 44.4 133.2



Abundance Ion 116.80 (116.50 to 117.50): VY002631.D (-1957) (-)

Ion 200.70 (200.40 to 201.40): VY002631.D (-1957) (-)





#91

1,2-Dichlorobenzene

Concen: 54.004 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

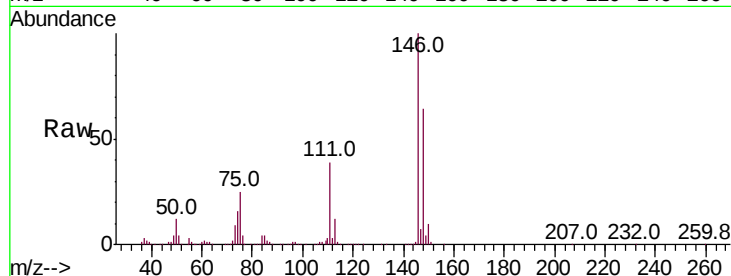
Tot Ion:146 Resp: 366640

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.5

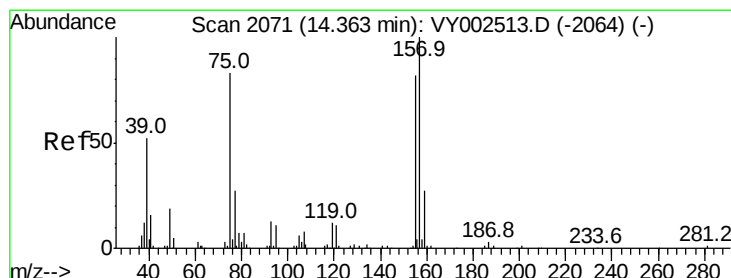
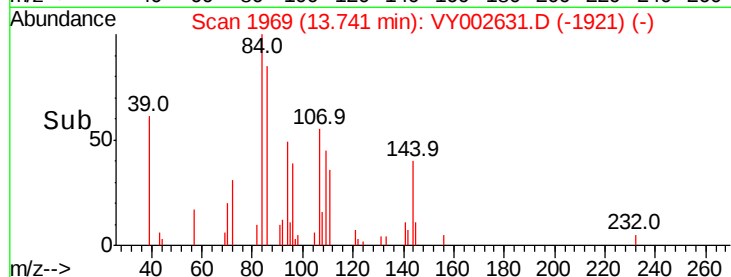
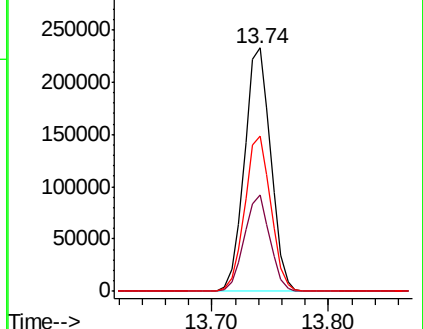
148 63.4 31.9 95.7



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: 50.121 ug/l

RT: 14.36 min Scan# 2070

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

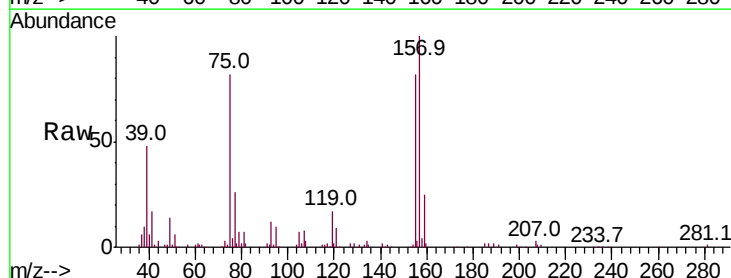
Tgt Ion: 75 Resp: 23908

Ion Ratio Lower Upper

75 100

155 100.7 51.3 153.9

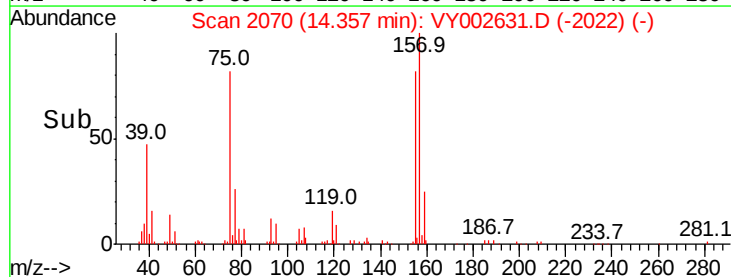
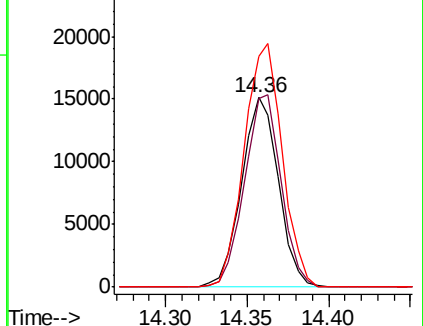
157 132.0 65.0 195.0

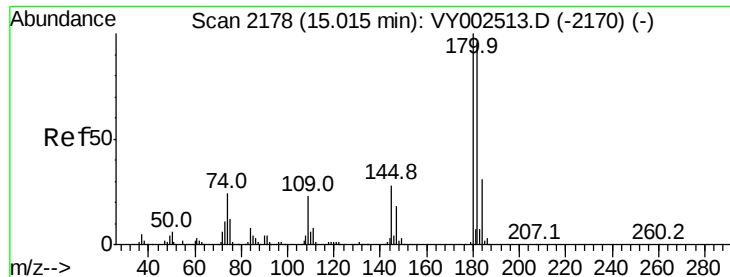


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

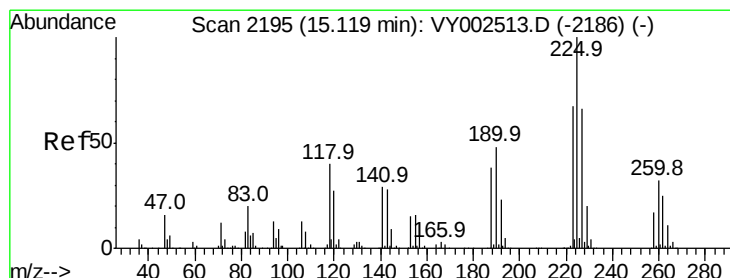
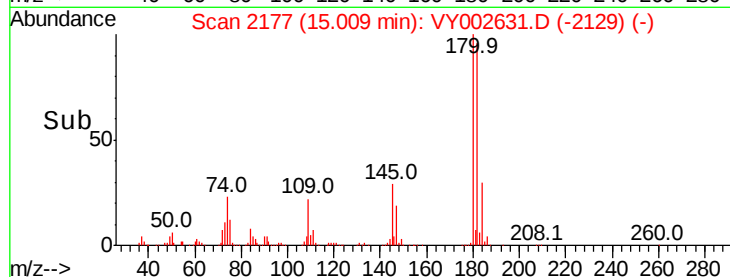
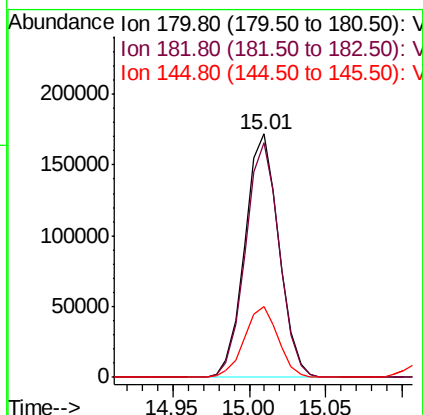
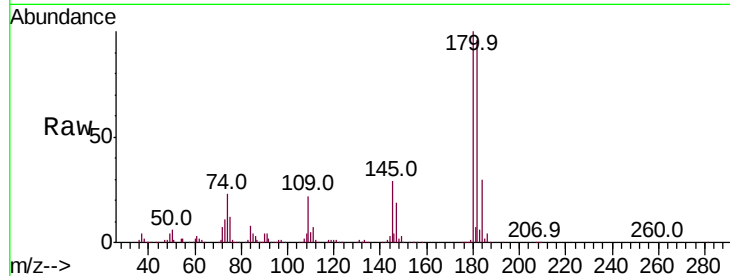




#93
 1,2,4-Trichlorobenzene
 Concen: 53.945 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

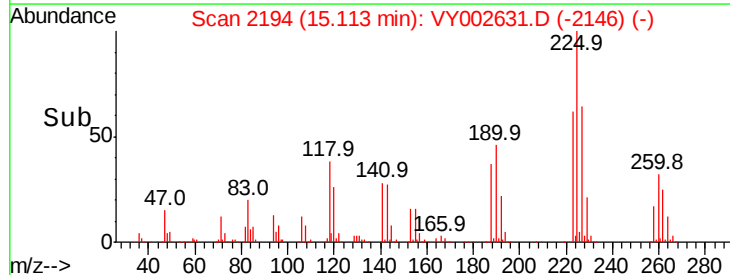
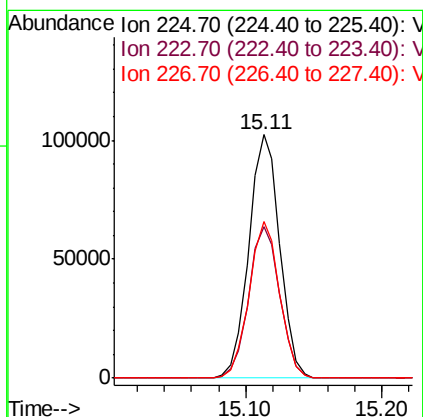
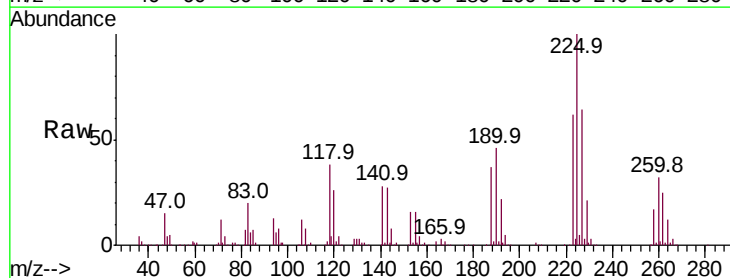
Instrument :
 MSVOA_Y
 ClientSampleId :

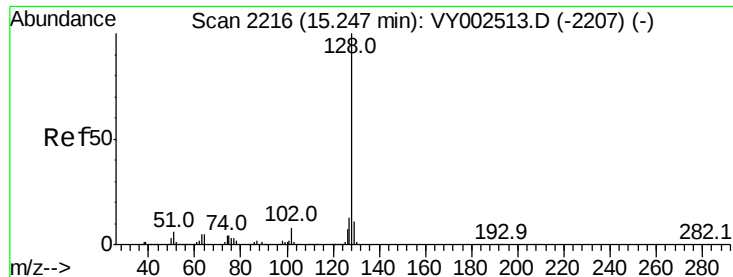
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.6
145	29.0	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 54.990 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY002631.D
 Acq: 07 May 2020 16:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	32.1	96.5
227	63.4	32.0	96.2





#95

Naphthalene

Concen: 53.189 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

Instrument :

MSVOA_Y

ClientSampleId :

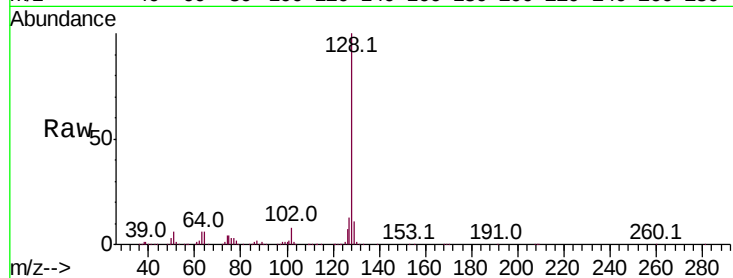
Tot Ion:128 Resp: 478259

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

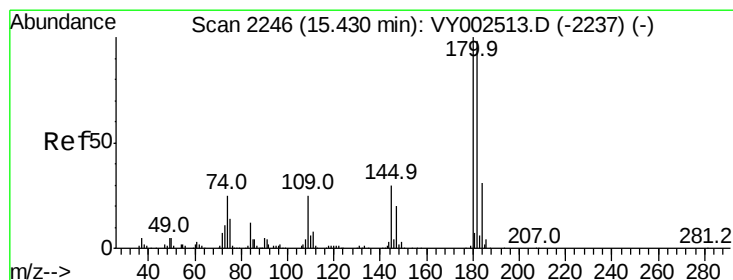
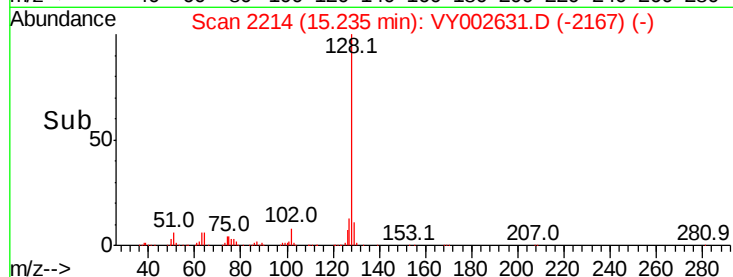
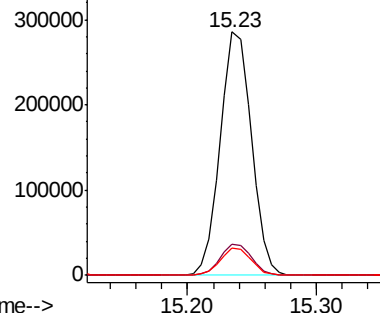
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.106 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.01 min

Lab File: VY002631.D

Acq: 07 May 2020 16:19

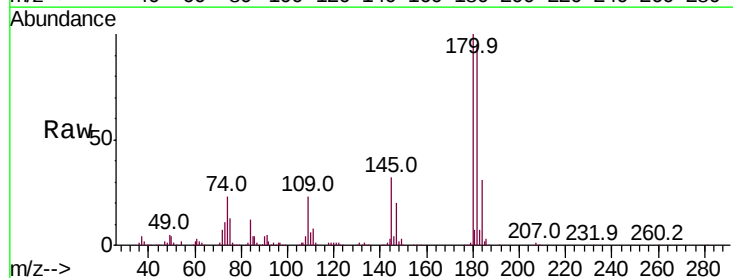
Tgt Ion:180 Resp: 226398

Ion Ratio Lower Upper

180 100

182 94.1 47.9 143.8

145 30.0 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

