

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY042320\
 Data File : VY002459.D
 Acq On : 23 Apr 2020 13:09
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 23 13:23:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y042320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	284374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	416073	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	386045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	175658	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	369540	151.49	ug/l	0.00
Spiked Amount			Recovery	=	302.98%	
35) Dibromofluoromethane	7.75	113	347209	150.55	ug/l	0.00
Spiked Amount			Recovery	=	301.10%	
50) Toluene-d8	10.20	98	1380800	149.25	ug/l	0.00
Spiked Amount			Recovery	=	298.50%	
62) 4-Bromofluorobenzene	12.49	95	466278	150.49	ug/l	0.00
Spiked Amount			Recovery	=	300.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	300116	144.216	ug/l	97
3) Chloromethane	2.13	50	375122	141.728	ug/l	98
4) Vinyl Chloride	2.26	62	301539	158.105	ug/l	99
5) Bromomethane	2.65	94	193209	173.654	ug/l	88
6) Chloroethane	2.80	64	157841	152.571	ug/l	99
7) Trichlorofluoromethane	3.14	101	546278	165.009	ug/l	100
8) Diethyl Ether	3.55	74	231570	181.756	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.92	101	370875	160.611	ug/l	99
10) Methyl Iodide	4.11	142	562442	154.393	ug/l	99
11) Tert butyl alcohol	5.00	59	182440	807.492	ug/l	98
12) 1,1-Dichloroethene	3.90	96	381930	162.941	ug/l	97
13) Acrolein	3.76	56	167366	985.694	ug/l	99
14) Allyl chloride	4.50	41	534892	150.663	ug/l	99
15) Acrylonitrile	5.20	53	535830	803.434	ug/l	99
16) Acetone	3.97	43	447507	890.345	ug/l	99
17) Carbon Disulfide	4.22	76	1144747	151.527	ug/l	98
18) Methyl Acetate	4.50	43	255100	155.862	ug/l	98
19) Methyl tert-butyl Ether	5.25	73	1021255	157.548	ug/l	99
20) Methylene Chloride	4.75	84	390815	132.513	ug/l	98
21) trans-1,2-Dichloroethene	5.25	96	402766	147.723	ug/l	95
22) Diisopropyl ether	6.15	45	1036660	148.693	ug/l	100
23) Vinyl Acetate	6.09	43	3468773	785.107	ug/l	98
24) 1,1-Dichloroethane	6.05	63	623975	146.432	ug/l	99
25) 2-Butanone	7.02	43	639606	827.337	ug/l	98
26) 2,2-Dichloropropane	7.01	77	609719	149.764	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	438986	148.016	ug/l	99
28) Bromochloromethane	7.36	49	235806	142.453	ug/l	99
29) Tetrahydrofuran	7.38	42	417139	809.648	ug/l	100
30) Chloroform	7.53	83	670041	148.205	ug/l	99
31) Cyclohexane	7.81	56	590559	138.855	ug/l	99
32) 1,1,1-Trichloroethane	7.73	97	649871	151.604	ug/l	100
36) 1,1-Dichloropropene	7.94	75	533186	150.852	ug/l	99
37) Ethyl Acetate	7.10	43	287566	164.456	ug/l	98
38) Carbon Tetrachloride	7.92	117	627799	154.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	706487	153.483	ug/l	99
40) Benzene	8.19	78	1550870	151.984	ug/l	99
41) Methacrylonitrile	7.37	41	395486	359.076	ug/l #	42
42) 1,2-Dichloroethane	8.26	62	456966	154.239	ug/l	99
43) Isopropyl Acetate	8.30	43	542531	165.704	ug/l	98
44) Trichloroethene	8.96	130	480140	150.135	ug/l	100
45) 1,2-Dichloropropane	9.24	63	355649	151.660	ug/l	98
46) Dibromomethane	9.33	93	214890	156.515	ug/l	99
47) Bromodichloromethane	9.52	83	532625	155.155	ug/l	100
48) Methyl methacrylate	9.31	41	249445	167.284	ug/l	98
49) 1,4-Dioxane	9.32	88	57481	3354.587	ug/l	93
51) 4-Methyl-2-Pentanone	10.09	43	1420661	839.624	ug/l	99
52) Toluene	10.26	92	1013946	154.797	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	580386	160.969	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	644638	156.339	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	315759	155.889	ug/l	99
56) Ethyl methacrylate	10.52	69	448946	163.801	ug/l	99
57) 1,3-Dichloropropane	10.80	76	534527	156.329	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	1045239	785.453	ug/l	99
59) 2-Hexanone	10.85	43	1016617	864.594	ug/l	100
60) Dibromochloromethane	11.00	129	422568	159.407	ug/l	99
61) 1,2-Dibromoethane	11.10	107	315791	157.552	ug/l	99
64) Tetrachloroethene	10.74	164	523595	149.204	ug/l	100
65) Chlorobenzene	11.53	112	1119030	151.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	429384	155.151	ug/l	100
67) Ethyl Benzene	11.61	91	2030108	154.448	ug/l	99
68) m/p-Xylenes	11.72	106	1559041	308.065	ug/l	99
69) o-Xylene	12.04	106	689715	145.898	ug/l	99
70) Styrene	12.06	104	1218070	148.301	ug/l	99
71) Bromoform	12.22	173	277016	159.774	ug/l #	100
73) Isopropylbenzene	12.34	105	1976195	174.182	ug/l	99
74) N-amyl acetate	12.16	43	494187	187.086	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	311689	181.414	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	497320	346.434	ug/l #	100
77) Bromobenzene	12.62	156	494584	174.270	ug/l	99
78) n-propylbenzene	12.68	91	2273118	172.399	ug/l	100
79) 2-Chlorotoluene	12.77	91	1256263	174.687	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	1657356	171.967	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	140243	182.332	ug/l	95
82) 4-Chlorotoluene	12.86	91	1204780	159.202	ug/l	100
83) tert-Butylbenzene	13.09	119	1369580	161.717	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	1373112	142.735	ug/l	98
85) sec-Butylbenzene	13.27	105	1698652	146.991	ug/l	99
86) p-Isopropyltoluene	13.38	119	1670005	152.393	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	812468	150.080	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	821284	153.397	ug/l	99
89) n-Butylbenzene	13.70	91	1591814	160.183	ug/l	99
90) Hexachloroethane	13.97	117	315408	161.421	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	588598	121.888	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	62159	182.310	ug/l	97

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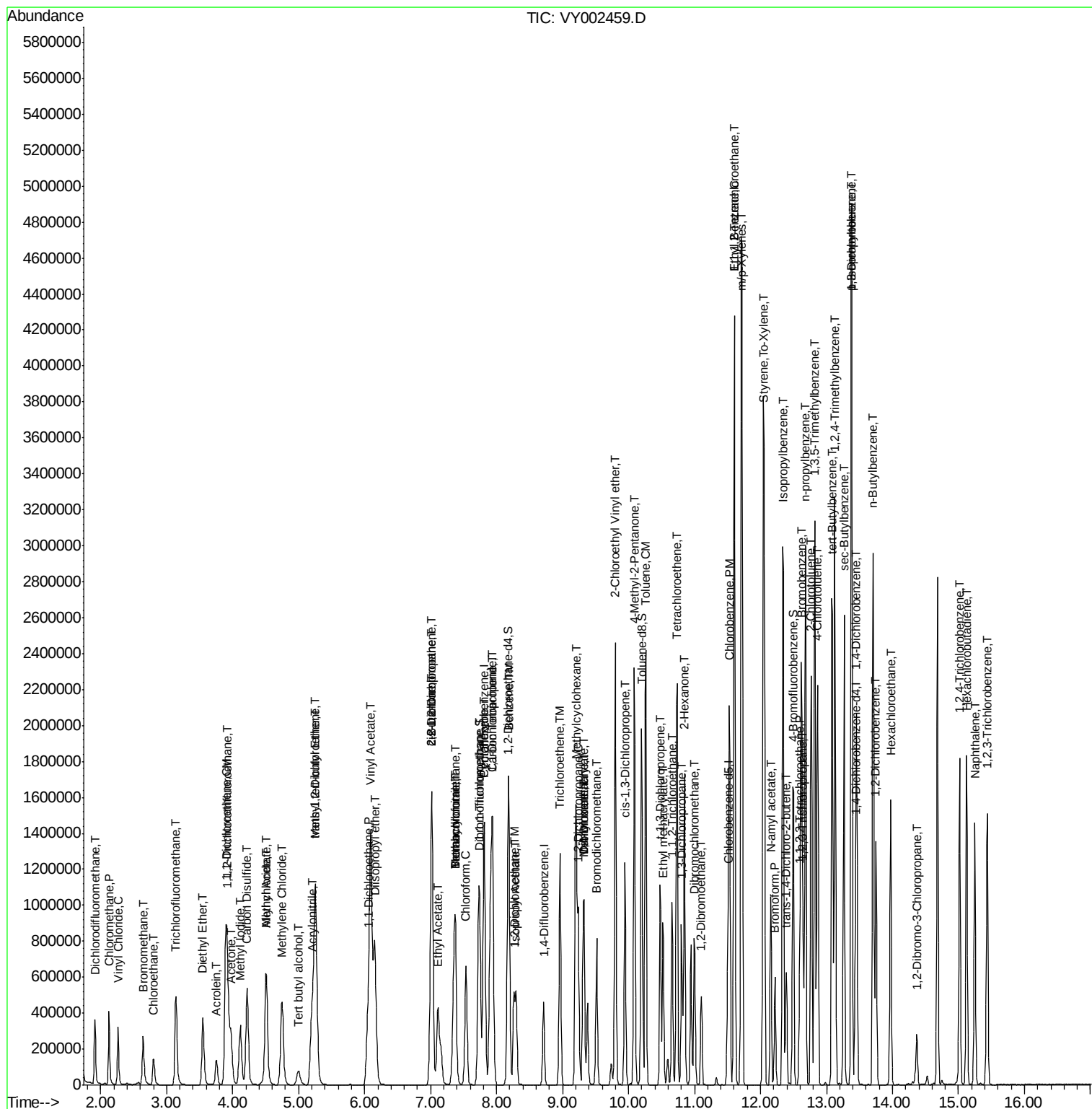
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	607645	170.382	ug/l	99
94) Hexachlorobutadiene	15.12	225	357132	165.571	ug/l	99
95) Naphthalene	15.25	128	1207689	184.398	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	527927	175.102	ug/l	100

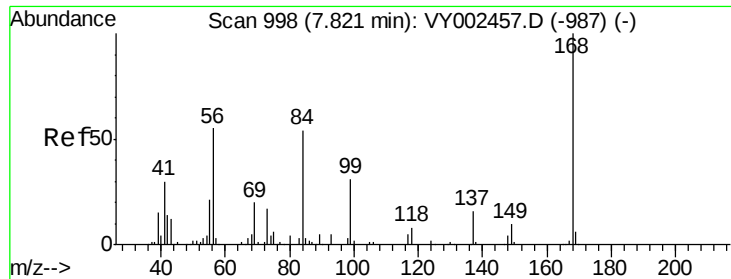
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

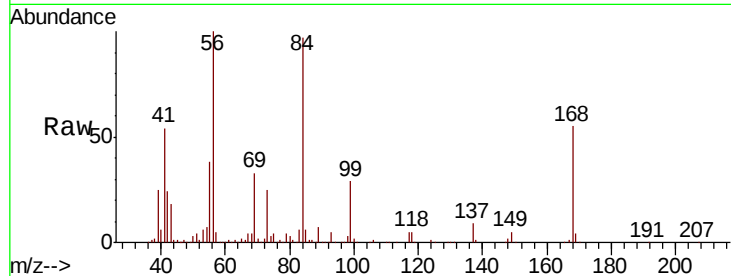
Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:168 Resp: 284374

Ion Ratio Lower Upper

168 100

99 51.9 39.7 59.5



Abundance Ion 167.90 (167.60 to 168.60): VY002457.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY002457.D (-987) (-)

150000

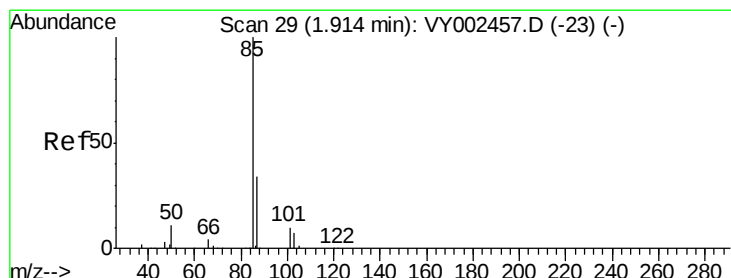
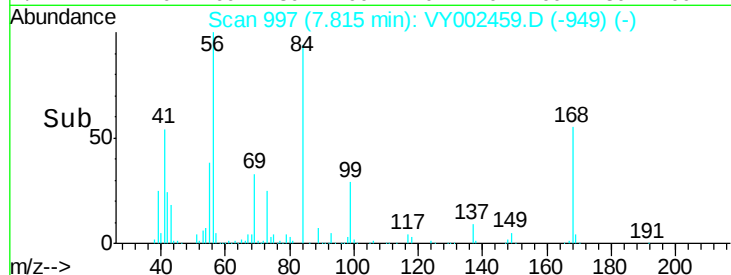
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 144.216 ug/l

RT: 1.91 min Scan# 29

Delta R.T. -0.00 min

Lab File: VY002459.D

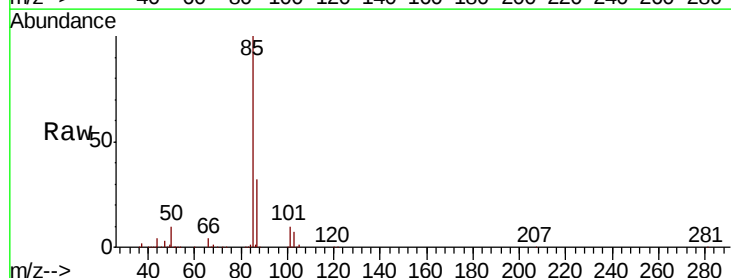
Acq: 23 Apr 2020 13:09

Tgt Ion: 85 Resp: 300116

Ion Ratio Lower Upper

85 100

87 32.3 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VY002457.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY002457.D (-23) (-)

200000

150000

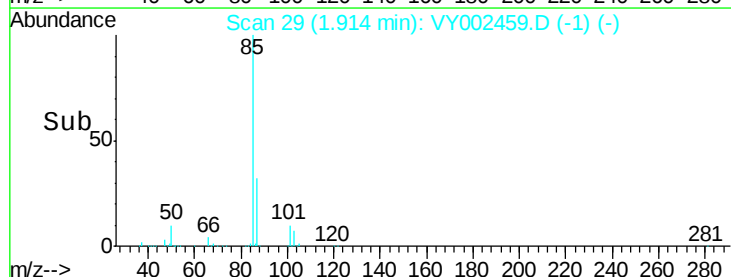
100000

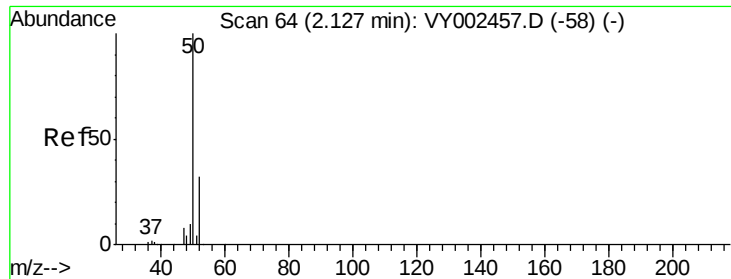
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 141.728 ug/l

RT: 2.13 min Scan# 64

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

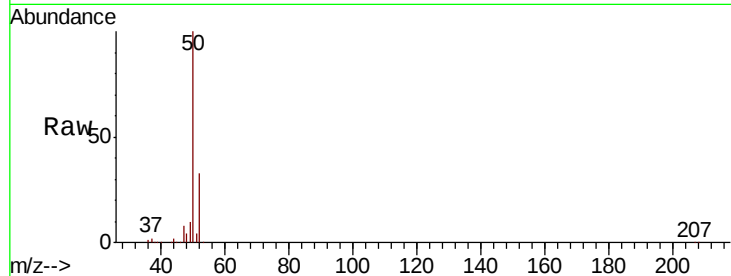
Instrument :
MSVOA_Y
ClientSampled :

Tot Ion: 50 Resp: 375122

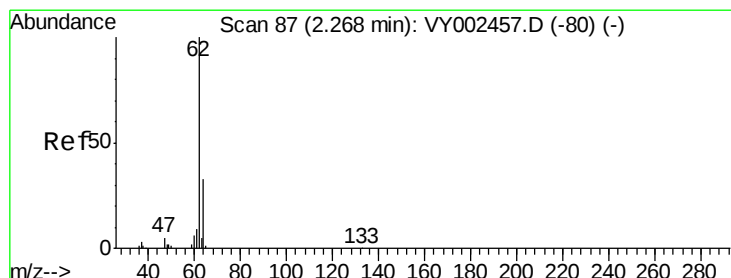
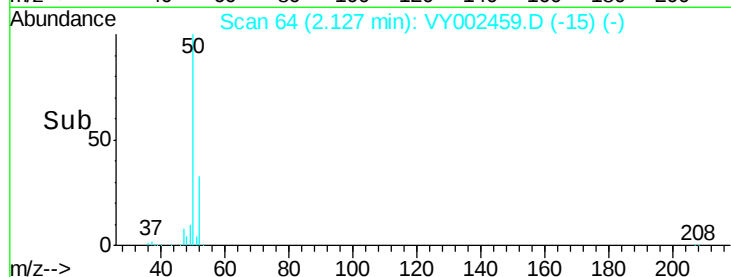
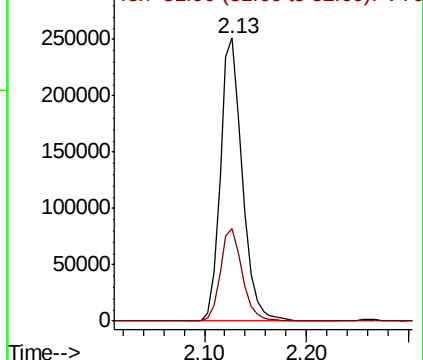
Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VY0
Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 158.105 ug/l

RT: 2.26 min Scan# 86

Delta R.T. -0.01 min

Lab File: VY002459.D

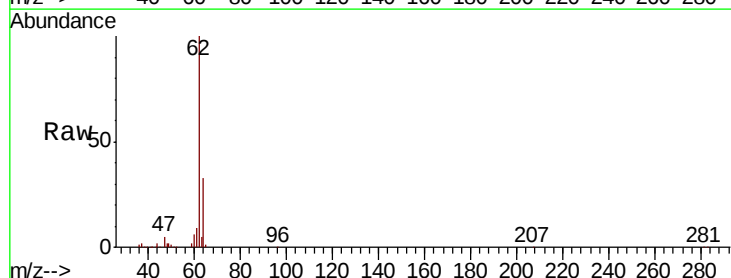
Acq: 23 Apr 2020 13:09

Tgt Ion: 62 Resp: 301539

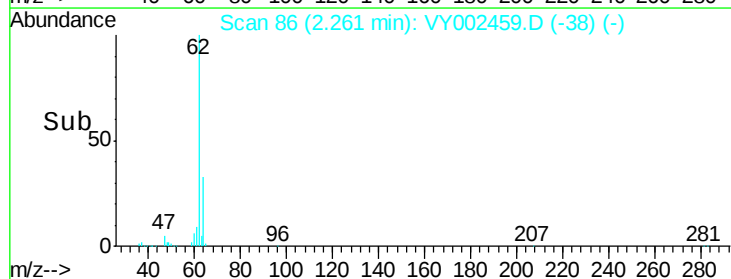
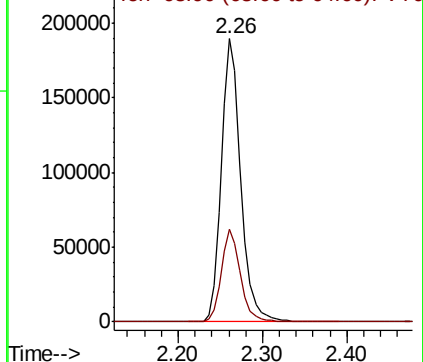
Ion Ratio Lower Upper

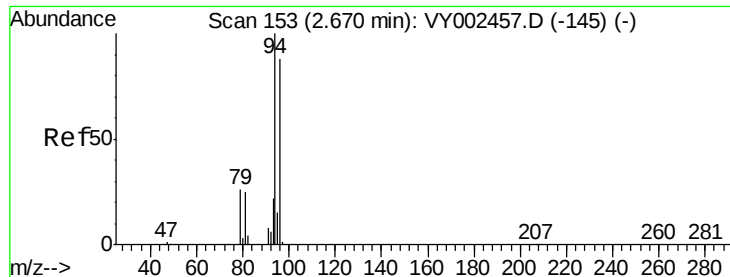
62 100

64 32.6 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VY0
Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 173.654 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.02 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

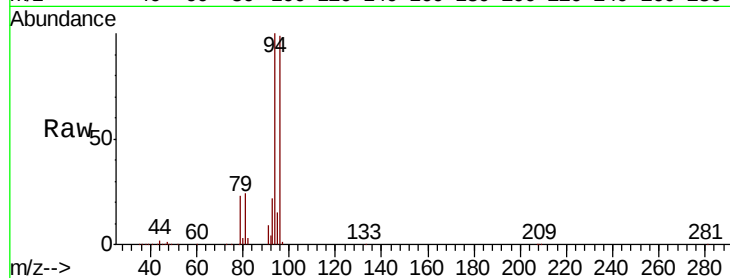
ClientSampleId :

Tot Ion: 94 Resp: 193209

Ion Ratio Lower Upper

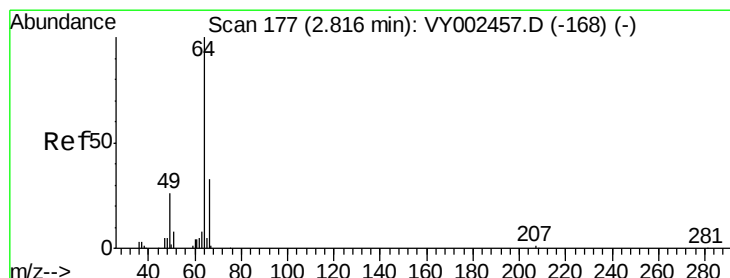
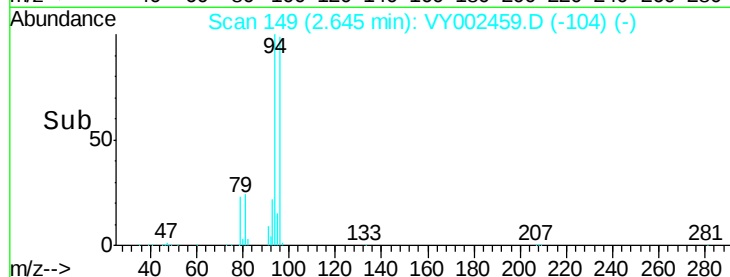
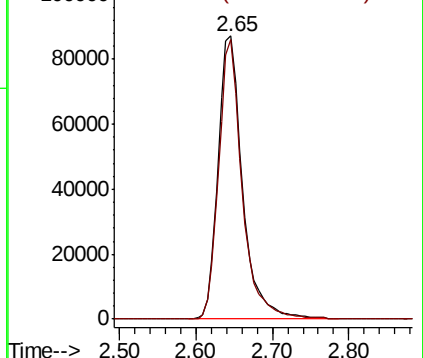
94 100

96 99.0 70.2 105.4



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 152.571 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY002459.D

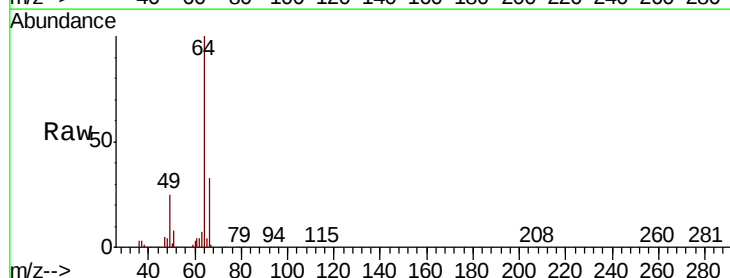
Acq: 23 Apr 2020 13:09

Tgt Ion: 64 Resp: 157841

Ion Ratio Lower Upper

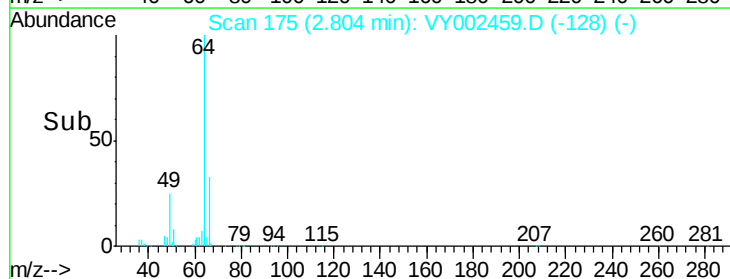
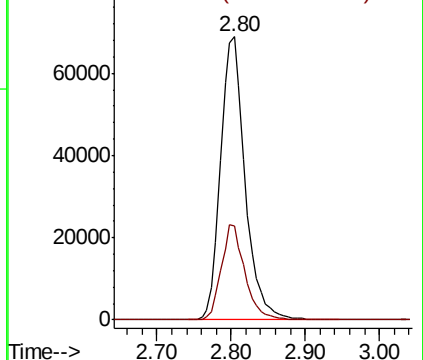
64 100

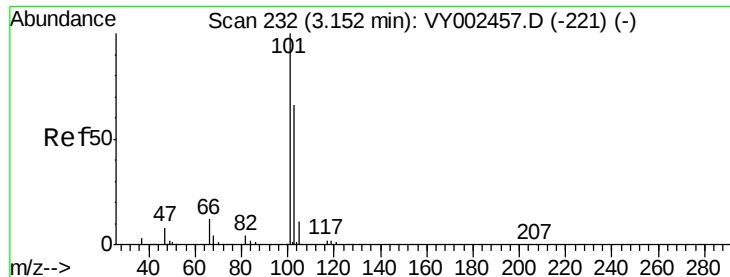
66 33.0 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



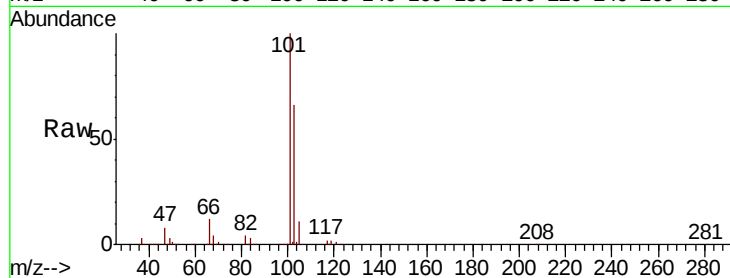


#7

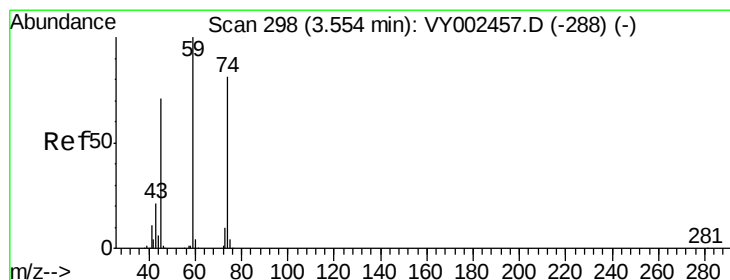
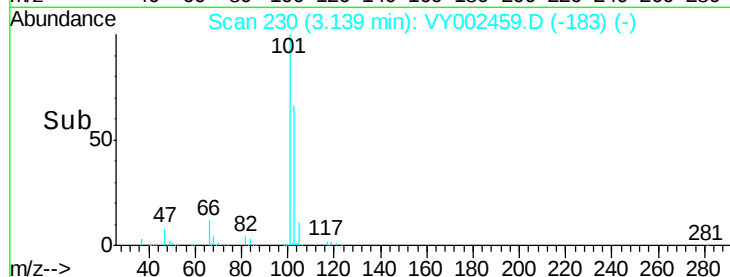
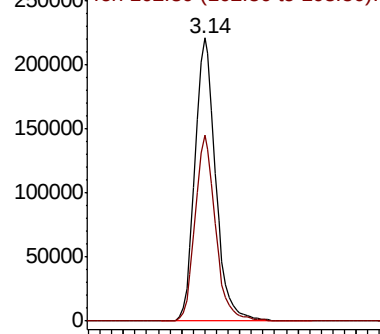
Trichlorofluoromethane
Concen: 165.009 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
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ClientSampleId :

Tot Ion:101 Resp: 546278
Ion Ratio Lower Upper
101 100
103 65.6 52.5 78.7



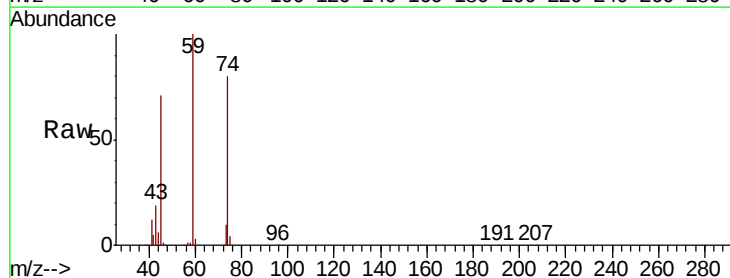
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



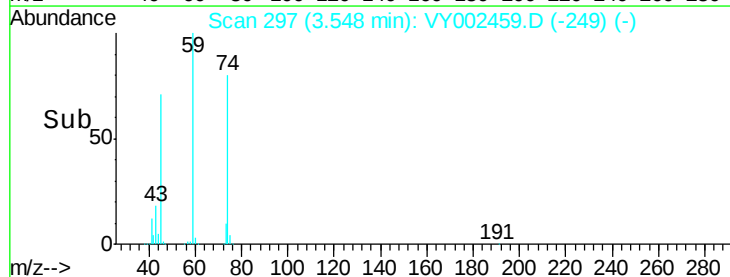
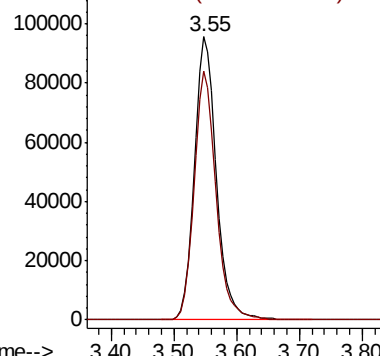
#8

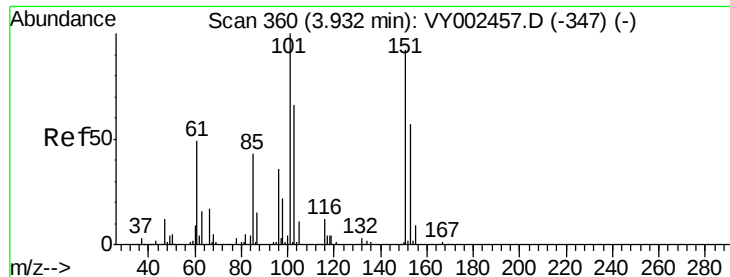
Diethyl Ether
Concen: 181.756 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY002459.D
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Tgt Ion: 74 Resp: 231570
Ion Ratio Lower Upper
74 100
45 86.6 44.0 132.0



Abundance Ion 74.00 (73.70 to 74.70): VY0
Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 160.611 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

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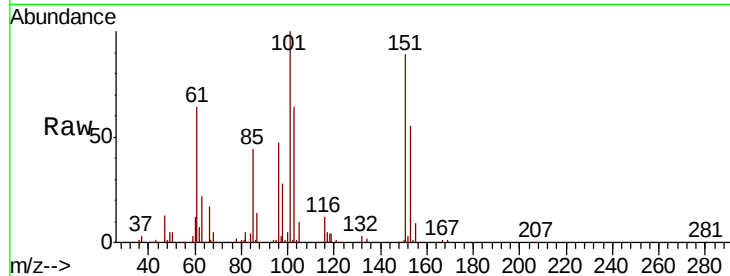
Tot Ion:101 Resp: 370875

Ion Ratio Lower Upper

101 100

85 42.5 34.1 51.1

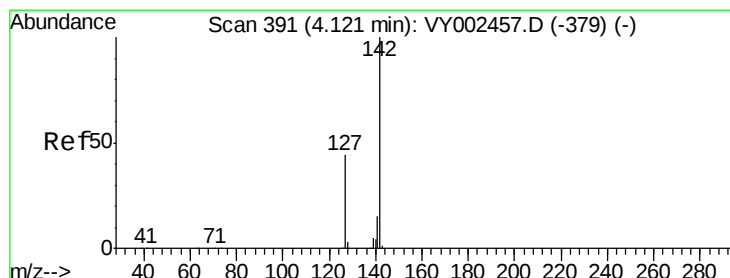
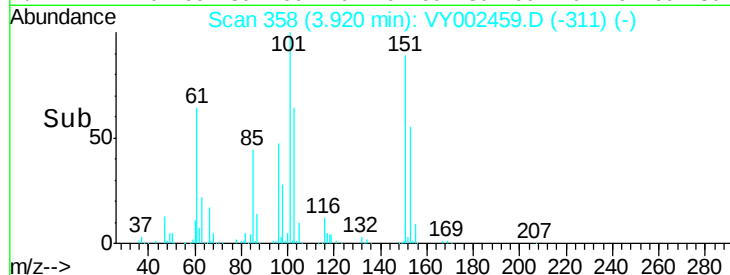
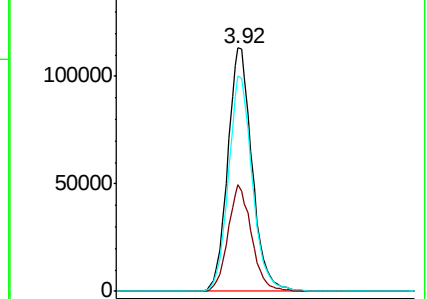
151 87.2 70.3 105.5



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: 154.393 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

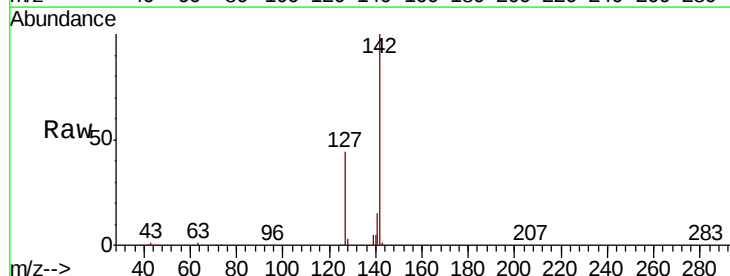
Tgt Ion:142 Resp: 562442

Ion Ratio Lower Upper

142 100

127 44.2 35.8 53.8

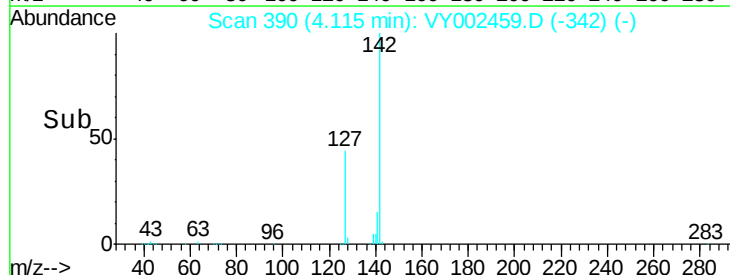
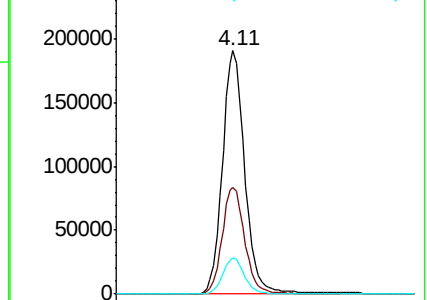
141 14.5 11.6 17.4

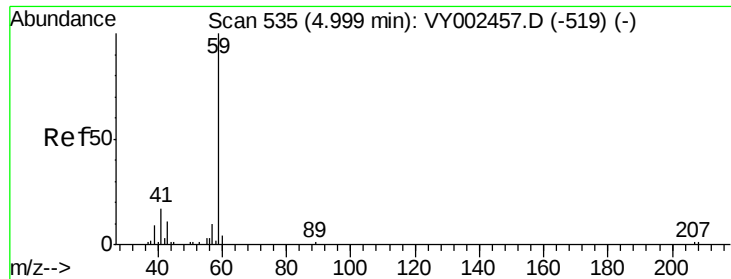


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

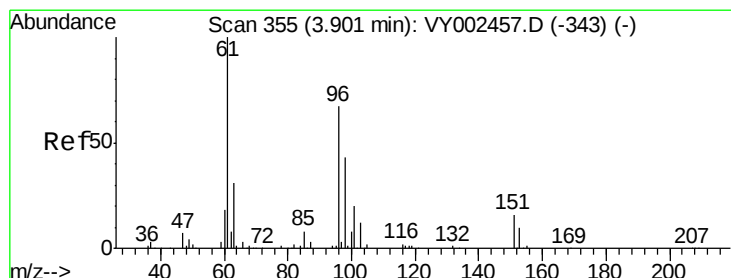
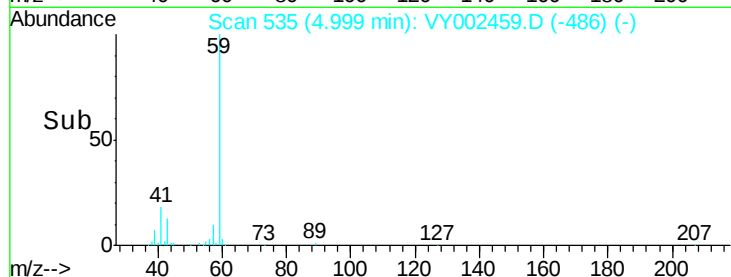
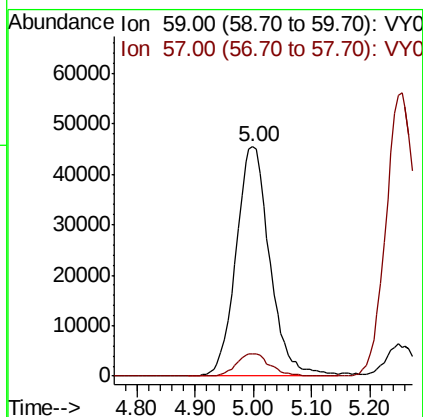
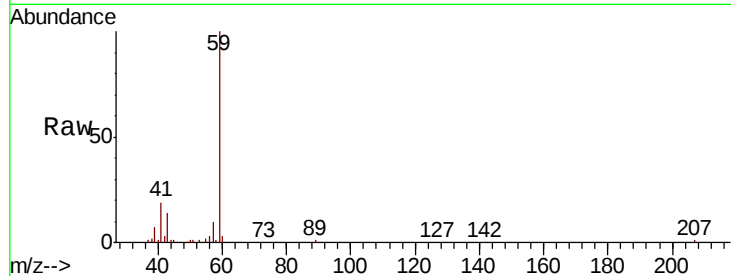




#11
Tert butyl alcohol
Concen: 807.492 ug/l
RT: 5.00 min Scan# 535
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

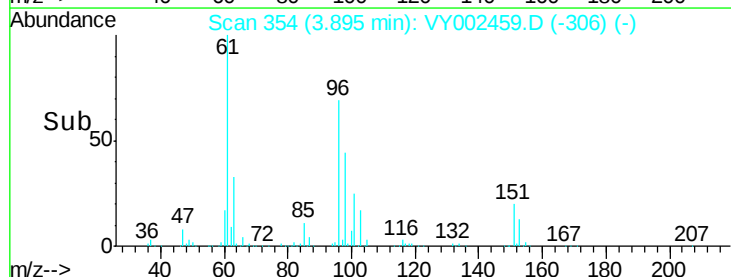
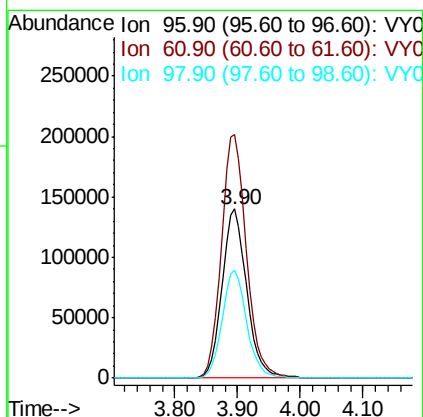
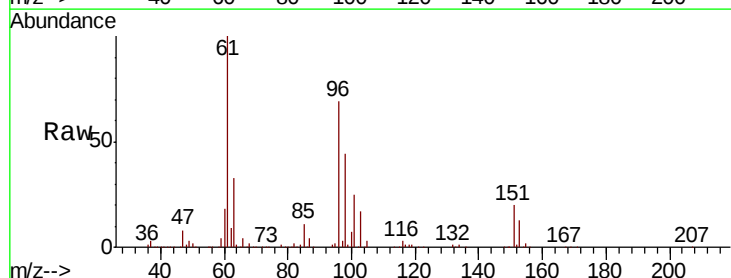
Instrument :
MSVOA_Y
ClientSampleId :

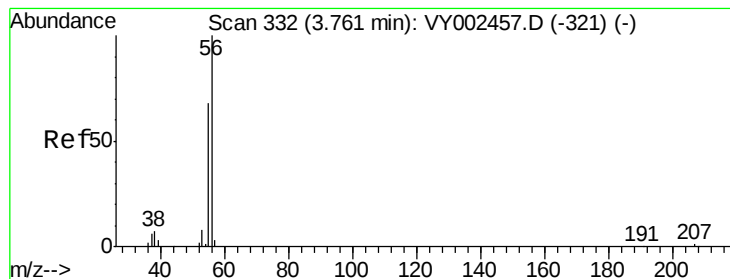
Tot Ion: 59 Resp: 182440
Ion Ratio Lower Upper
59 100
57 9.8 8.4 12.6



#12
1,1-Dichloroethene
Concen: 162.941 ug/l
RT: 3.90 min Scan# 354
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 96 Resp: 381930
Ion Ratio Lower Upper
96 100
61 143.9 119.0 178.6
98 63.9 51.4 77.2





#13

Acrolein

Concen: 985.694 ug/l

RT: 3.76 min Scan# 331

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

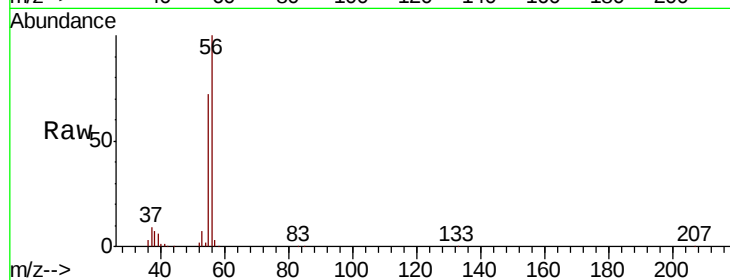
ClientSampleId :

Tot Ion: 56 Resp: 167366

Ion Ratio Lower Upper

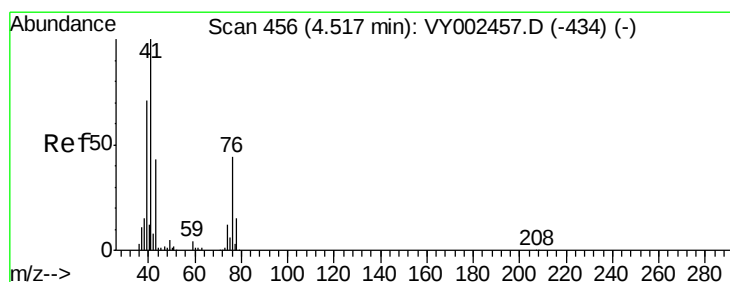
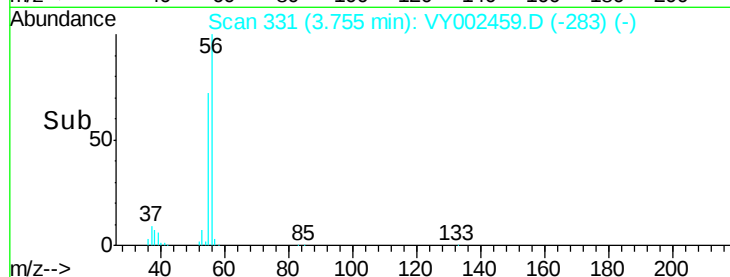
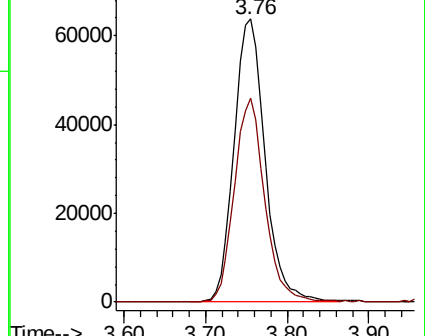
56 100

55 70.6 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 150.663 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

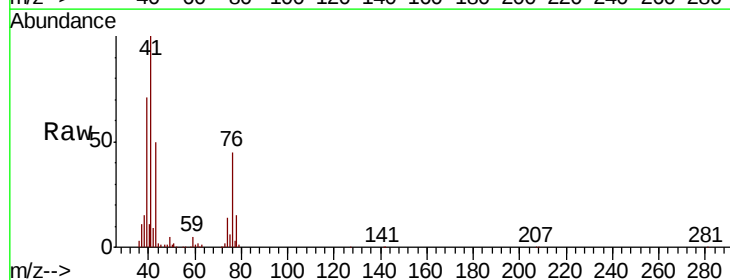
Tgt Ion: 41 Resp: 534892

Ion Ratio Lower Upper

41 100

39 67.7 55.1 82.7

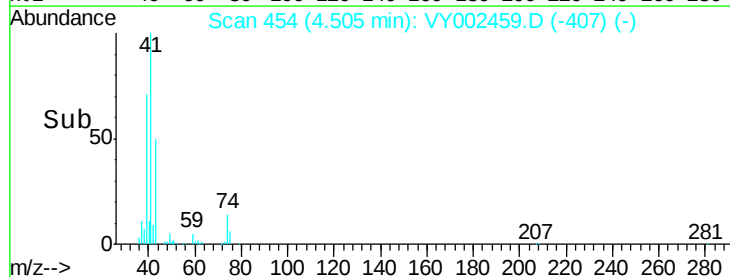
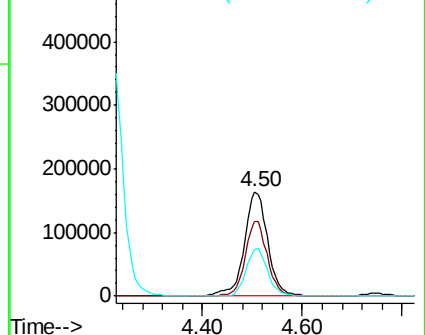
76 42.0 34.3 51.5

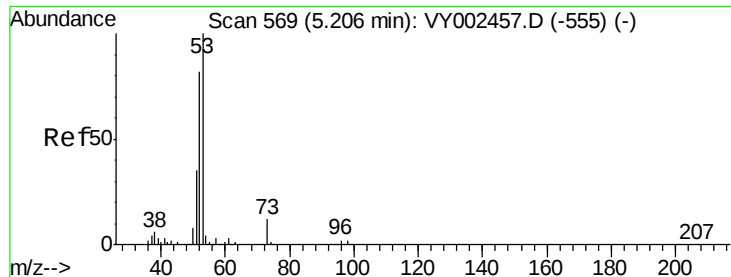


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 803.434 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

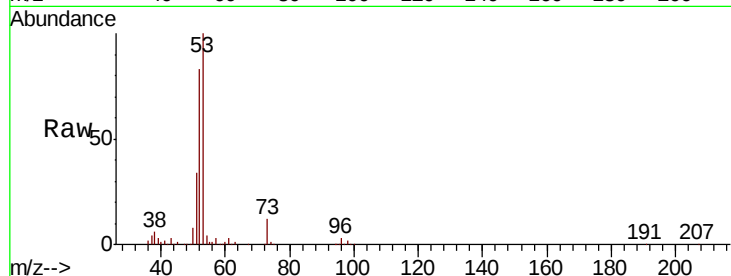
Tot Ion: 53 Resp: 535830

Ion Ratio Lower Upper

53 100

52 82.7 65.4 98.2

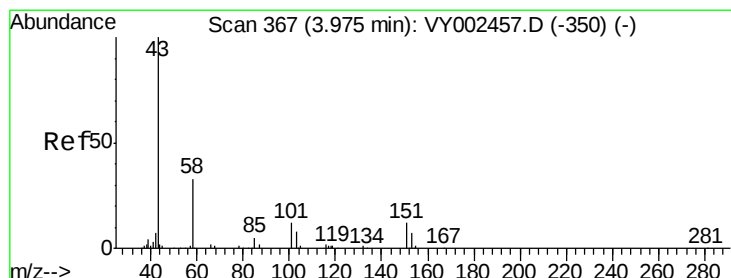
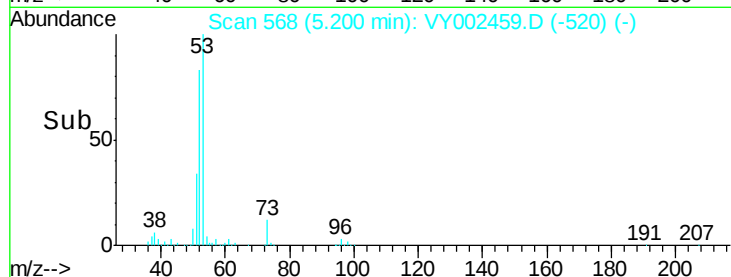
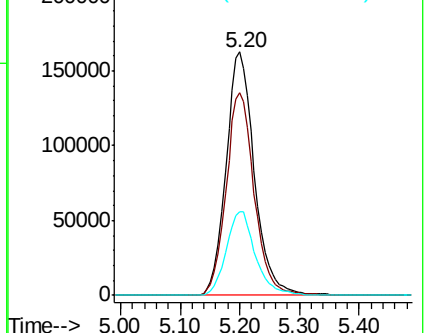
51 35.7 28.3 42.5



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: 890.345 ug/l

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VY002459.D

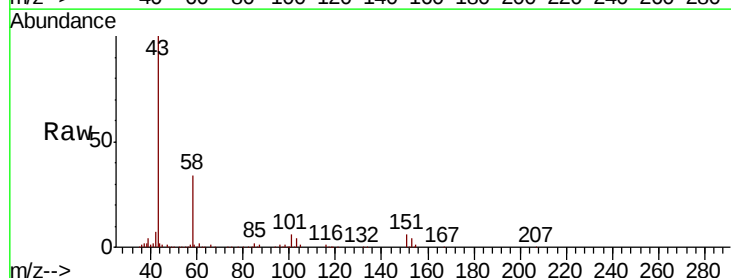
Acq: 23 Apr 2020 13:09

Tgt Ion: 43 Resp: 447507

Ion Ratio Lower Upper

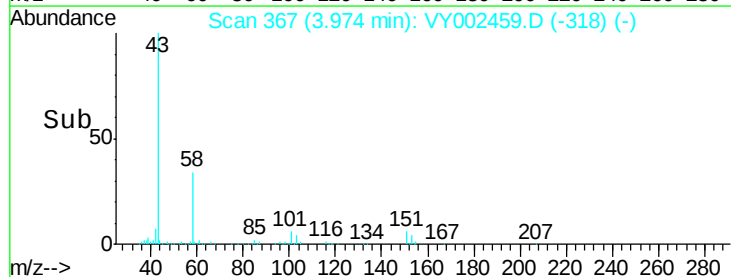
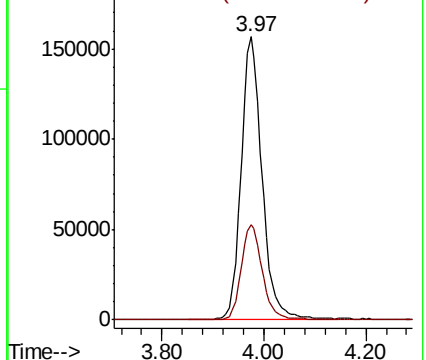
43 100

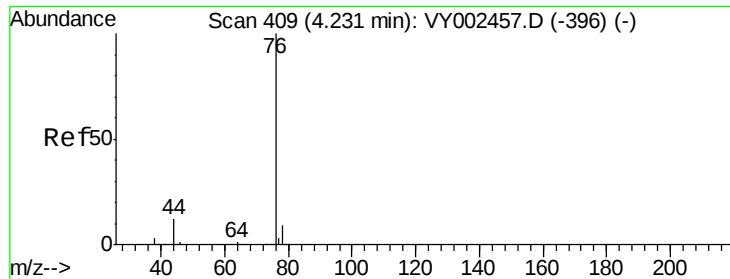
58 33.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

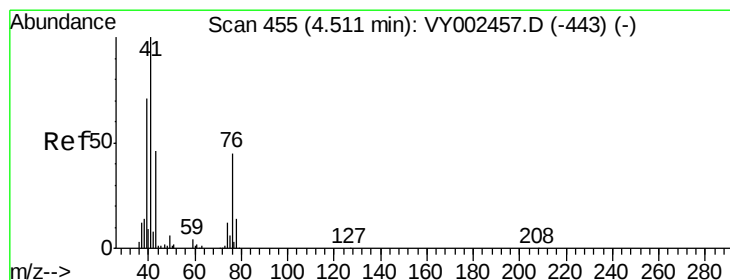
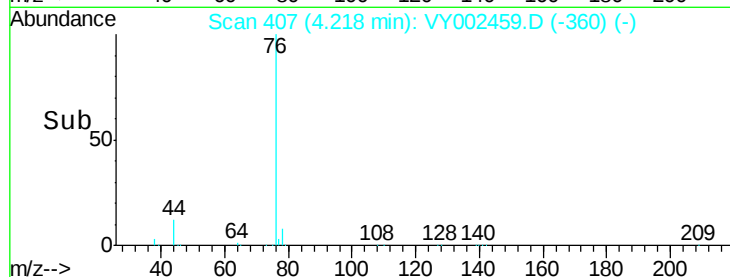
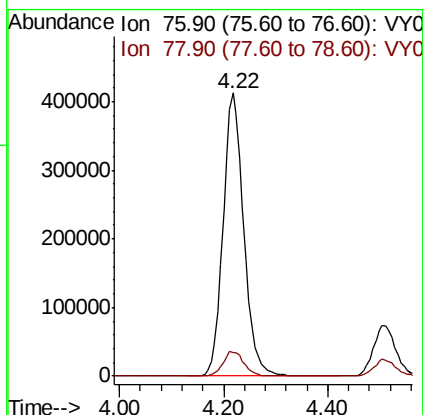
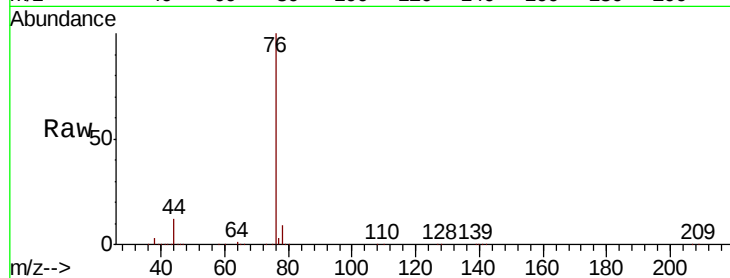




#17
Carbon Disulfide
Concen: 151.527 ug/l
RT: 4.22 min Scan# 407
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

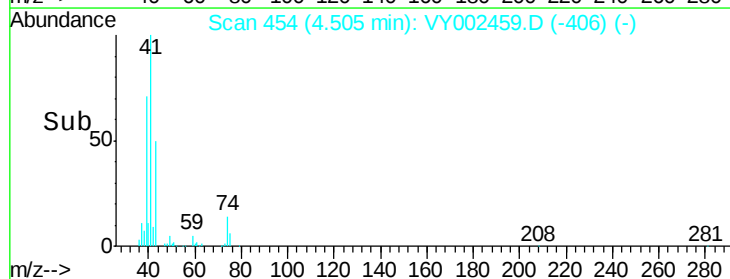
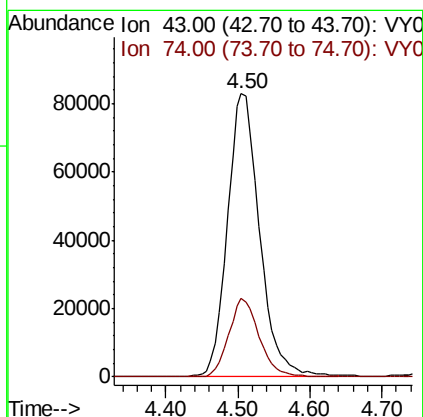
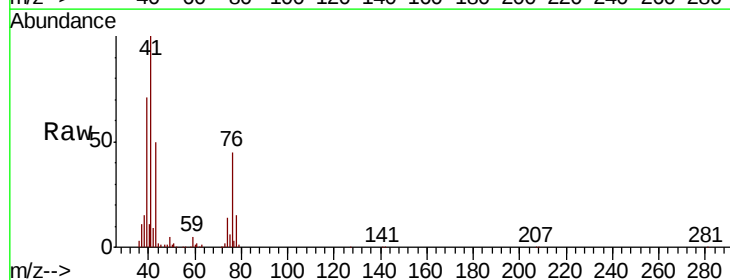
Instrument :
MSVOA_Y
ClientSampleId :

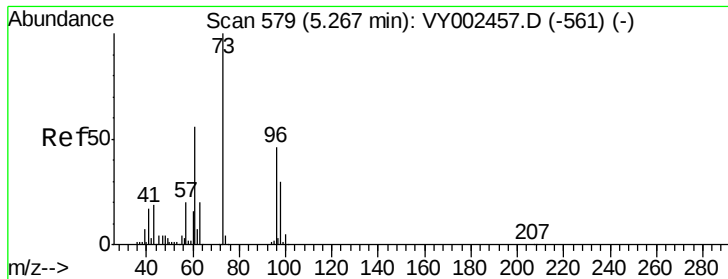
Tot Ion: 76 Resp: 1144747
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#18
Methyl Acetate
Concen: 155.862 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 43 Resp: 255100
Ion Ratio Lower Upper
43 100
74 26.6 22.0 33.0

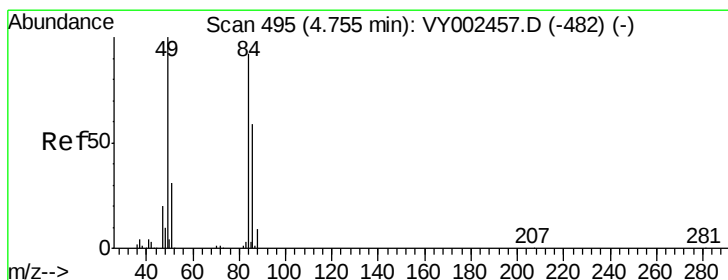
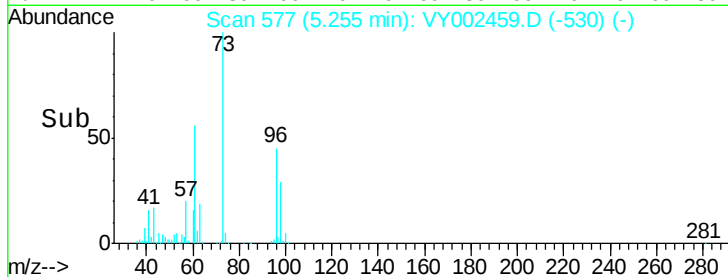
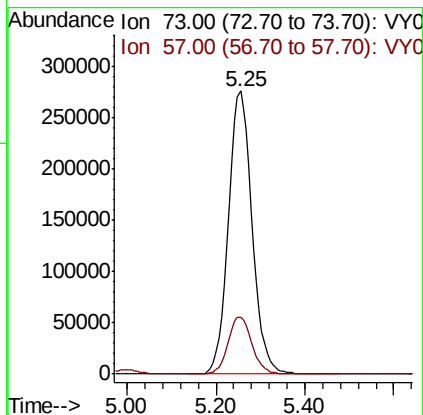
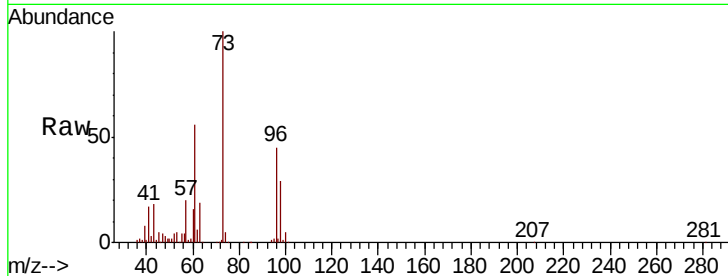




#19
Methvl tert-butvl Ether
Concen: 157.548 ug/l
RT: 5.25 min Scan# 577
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

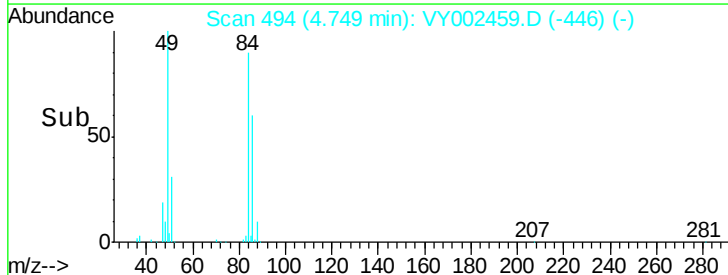
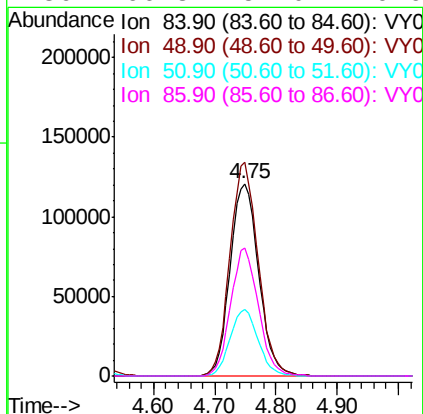
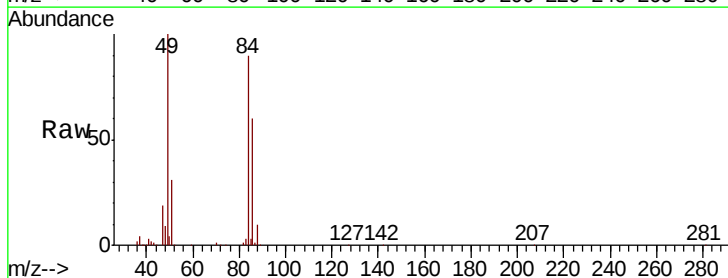
Instrument :
MSVOA_Y
ClientSampleId :

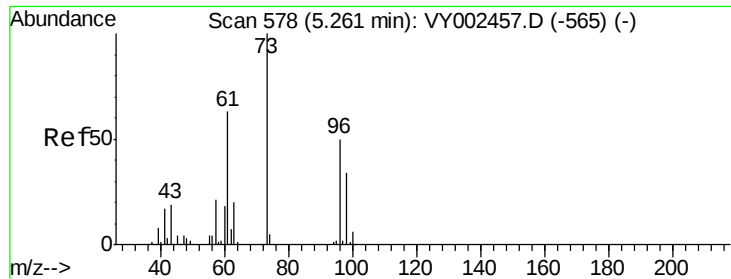
Tot Ion: 73 Resp: 1021255
Ion Ratio Lower Upper
73 100
57 20.3 16.0 24.0



#20
Methylene Chloride
Concen: 132.513 ug/l
RT: 4.75 min Scan# 494
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 84 Resp: 390815
Ion Ratio Lower Upper
84 100
49 111.1 86.9 130.3
51 35.0 27.3 40.9
86 66.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 147.723 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :

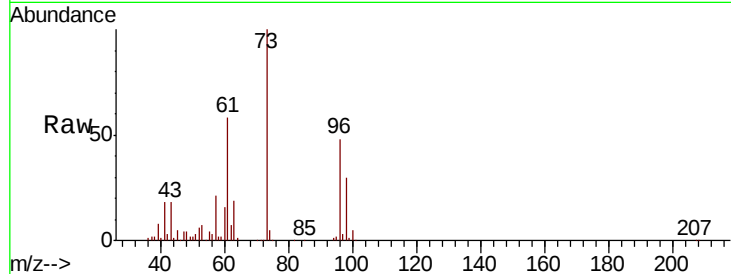
Tot Ion: 96 Resp: 402766

Ion Ratio Lower Upper

96 100

61 121.0 101.4 152.0

98 61.8 53.6 80.4

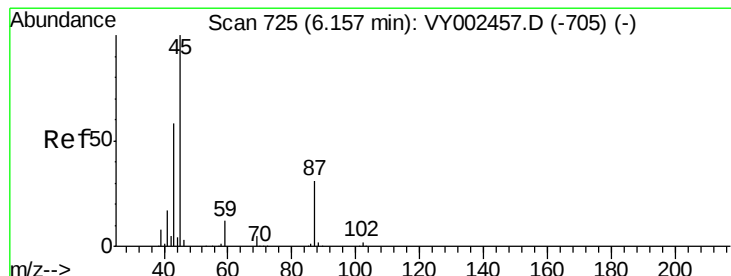
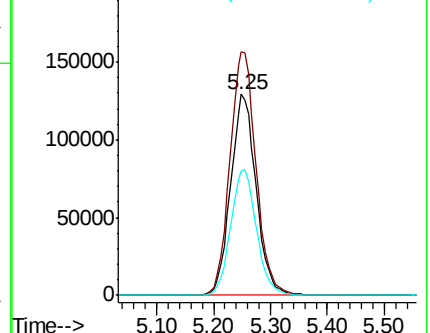
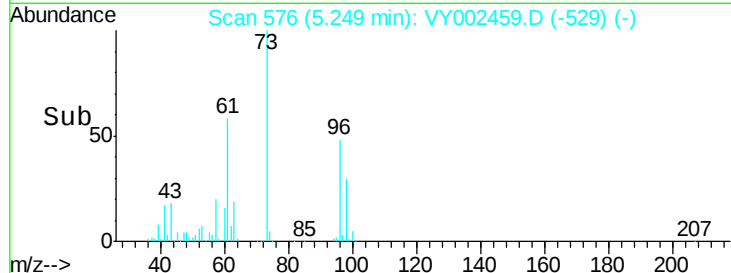


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 148.693 ug/l

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Tgt Ion: 45 Resp: 1036660

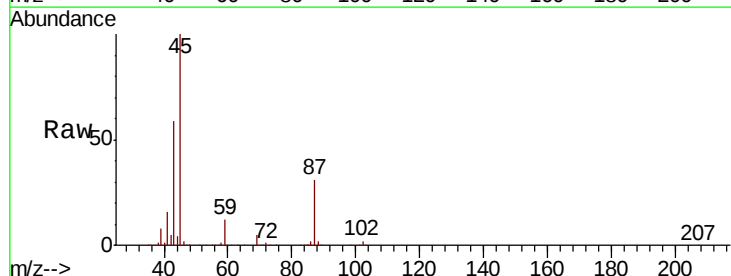
Ion Ratio Lower Upper

45 100

43 58.9 47.1 70.7

87 31.1 25.0 37.6

59 11.5 9.7 14.5



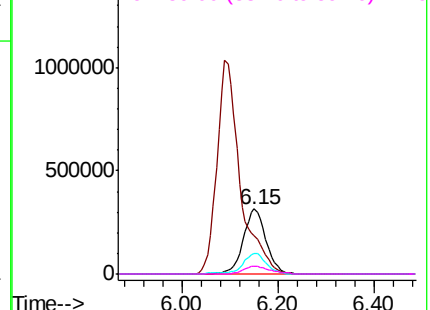
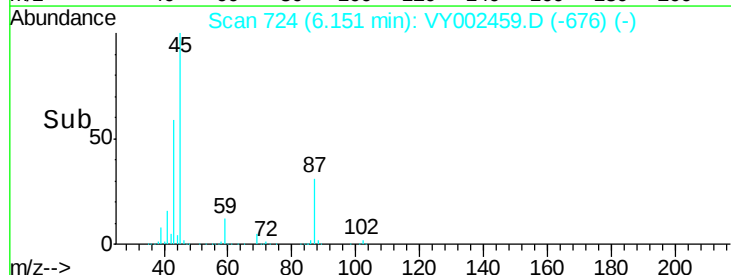
Abundance

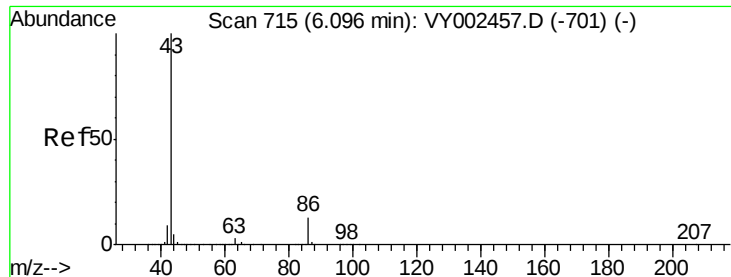
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 785.107 ug/l

RT: 6.09 min Scan# 714

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

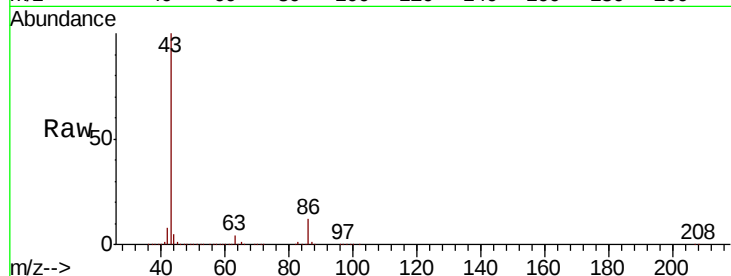
ClientSampled :

Tot Ion: 43 Resp: 3468773

Ion Ratio Lower Upper

43 100

86 11.9 10.2 15.4



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

1200000

1000000

800000

600000

400000

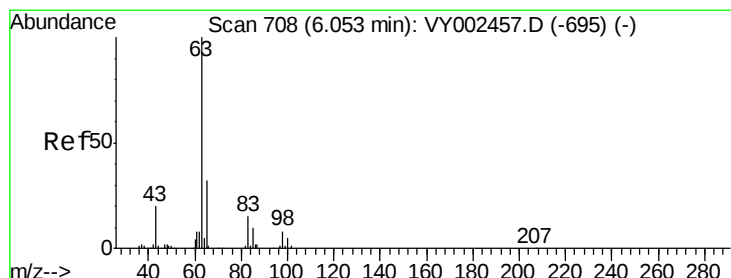
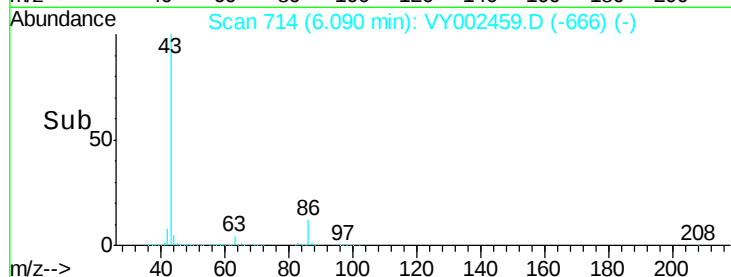
200000

0

6.09

6.00 6.20 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 146.432 ug/l

RT: 6.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

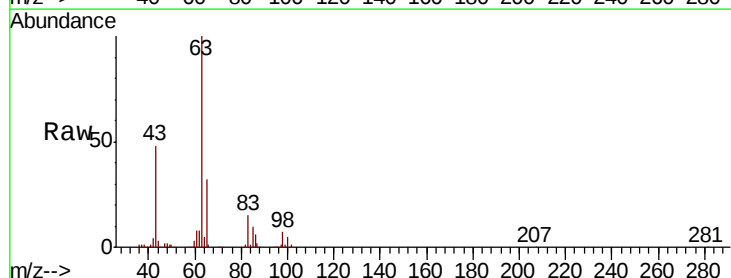
Tgt Ion: 63 Resp: 623975

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

100 5.0 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

250000

200000

150000

100000

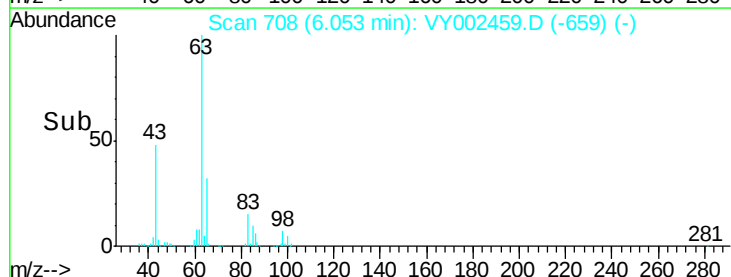
50000

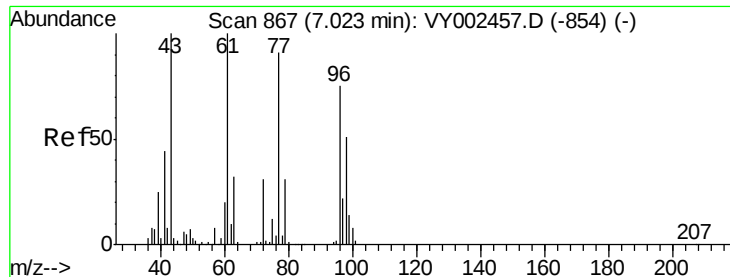
0

6.05

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 827.337 ug/l

RT: 7.02 min Scan# 866

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

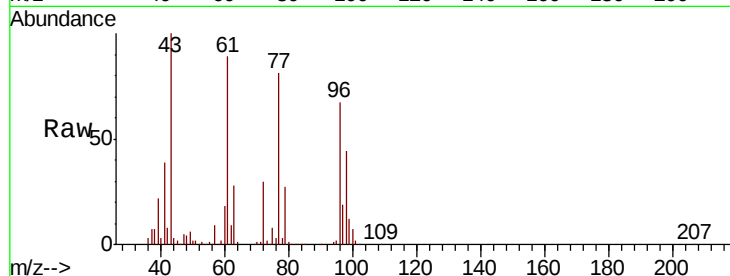
ClientSampled :

Tot Ion: 43 Resp: 639606

Ion Ratio Lower Upper

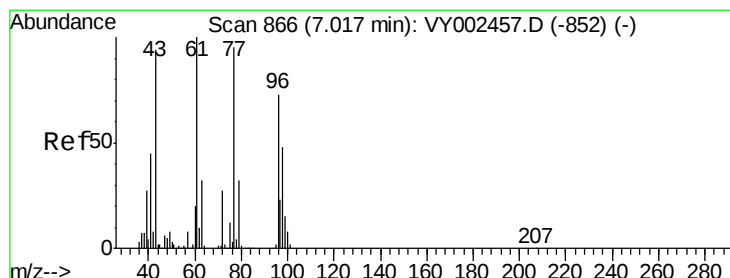
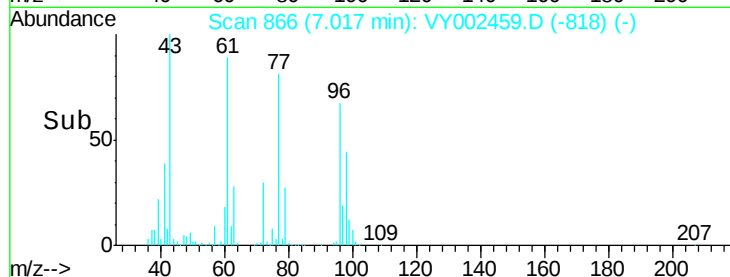
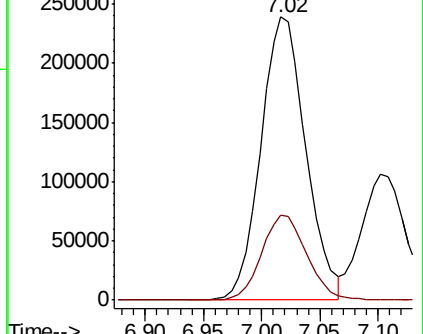
43 100

72 30.0 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 149.764 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY002459.D

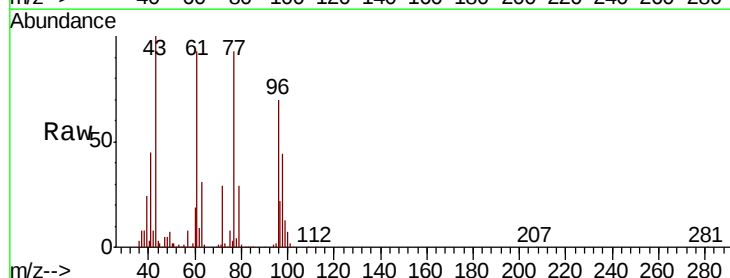
Acq: 23 Apr 2020 13:09

Tgt Ion: 77 Resp: 609719

Ion Ratio Lower Upper

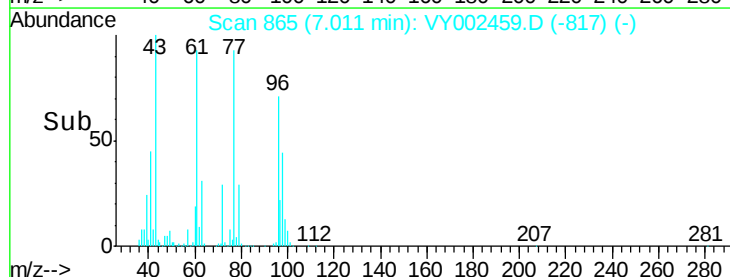
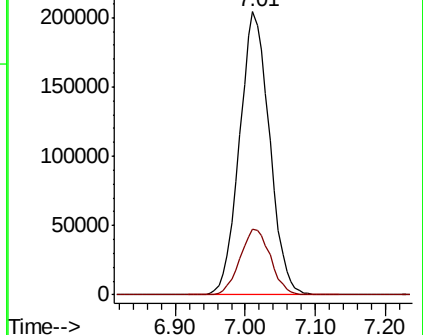
77 100

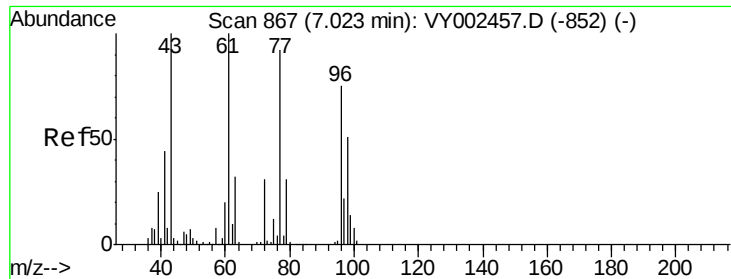
97 23.6 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



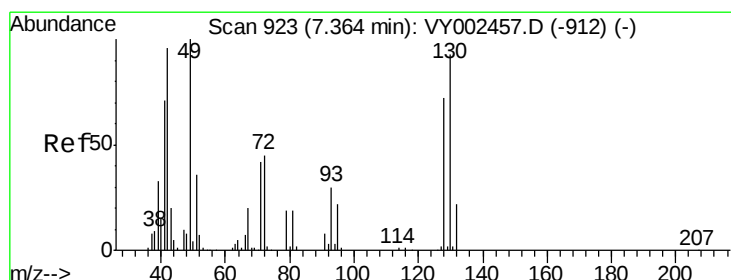
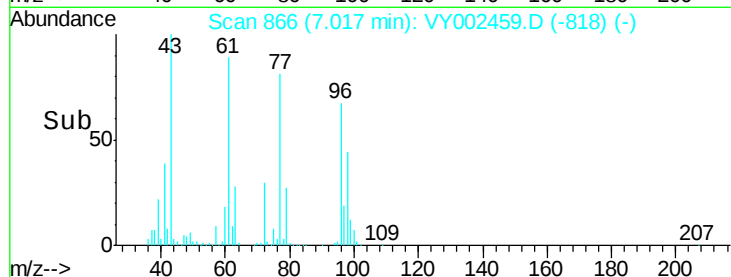
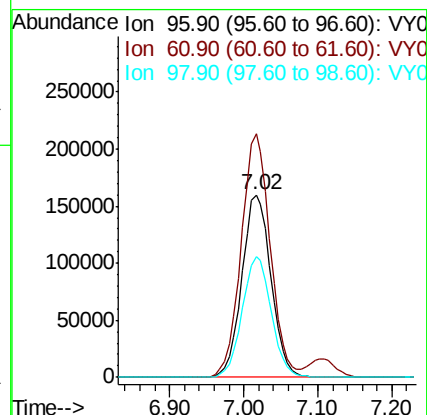
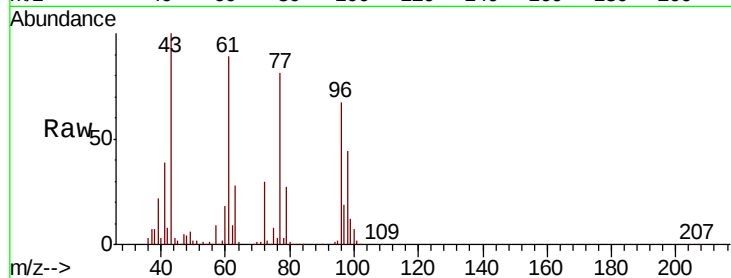


#27

cis-1,2-Dichloroethene
 Concen: 148.016 ug/l
 RT: 7.02 min Scan# 866
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Instrument :
 MSVOA_Y
 ClientSampled :

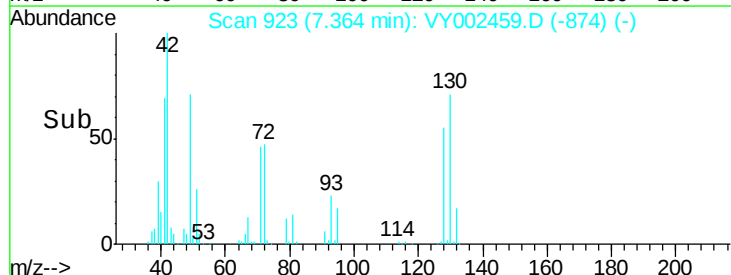
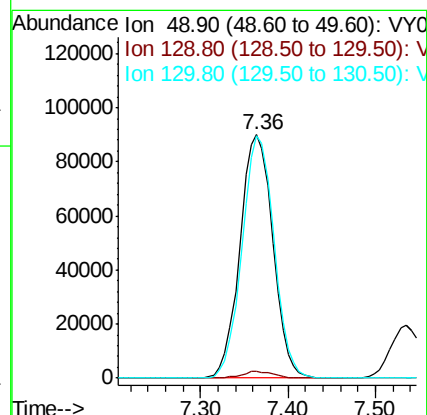
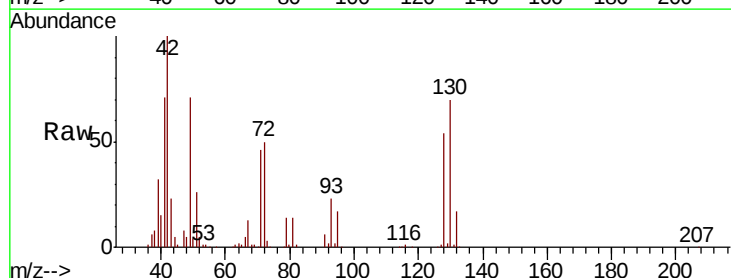
Tot Ion: 96 Resp: 438986
 Ion Ratio Lower Upper
 96 100
 61 133.1 0.0 262.6
 98 65.7 0.0 131.0

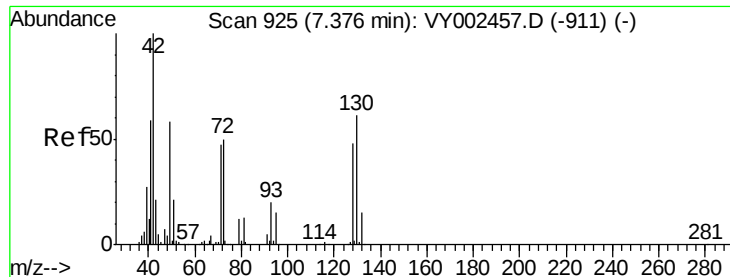


#28

Bromochloromethane
 Concen: 142.453 ug/l
 RT: 7.36 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion: 49 Resp: 235806
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 5.6
 130 96.7 76.3 114.5





#29

Tetrahydrofuran

Concen: 809.648 ug/l

RT: 7.38 min Scan# 925

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

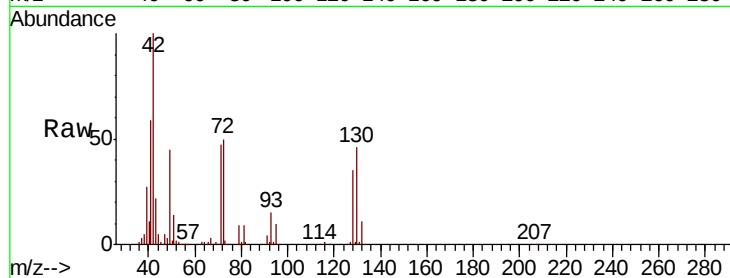
Tot Ion: 42 Resp: 417139

Ion Ratio Lower Upper

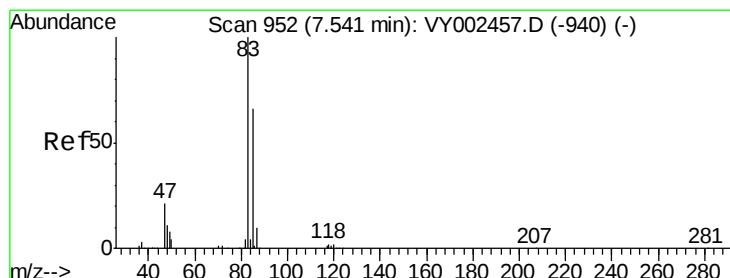
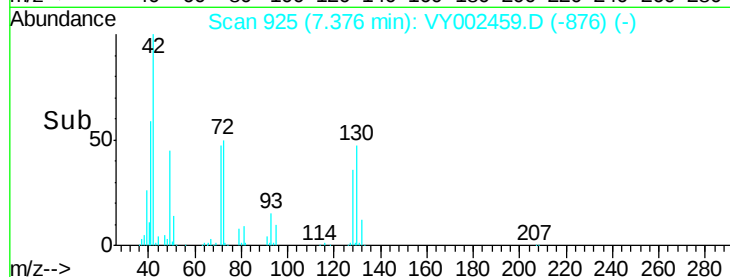
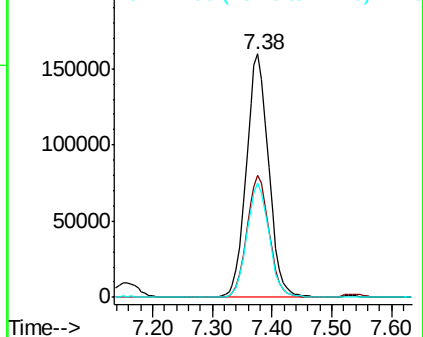
42 100

72 49.4 39.5 59.3

71 46.4 37.6 56.4



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: 148.205 ug/l

RT: 7.53 min Scan# 951

Delta R.T. -0.01 min

Lab File: VY002459.D

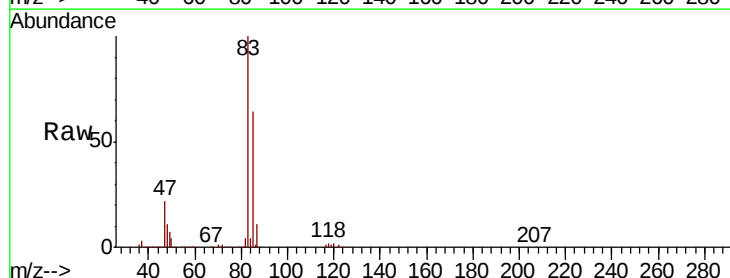
Acq: 23 Apr 2020 13:09

Tgt Ion: 83 Resp: 670041

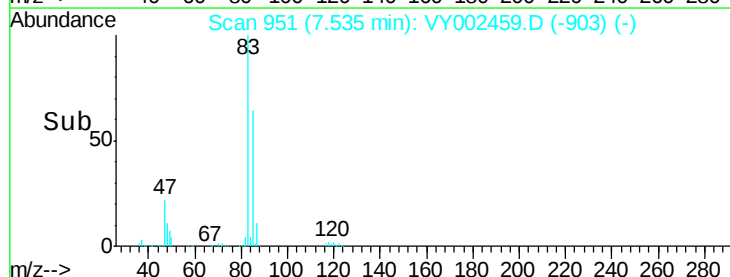
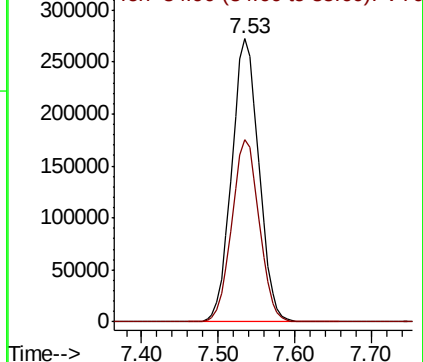
Ion Ratio Lower Upper

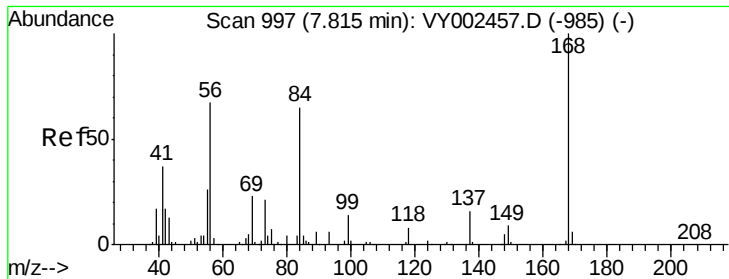
83 100

85 64.4 52.4 78.6



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

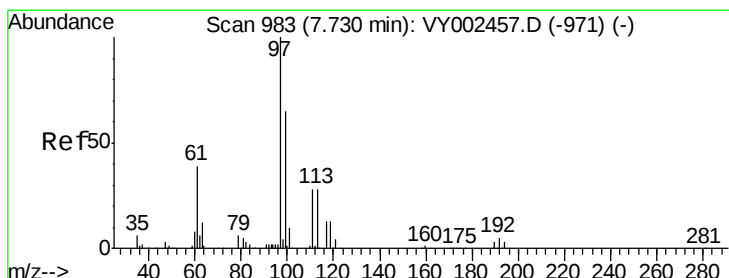
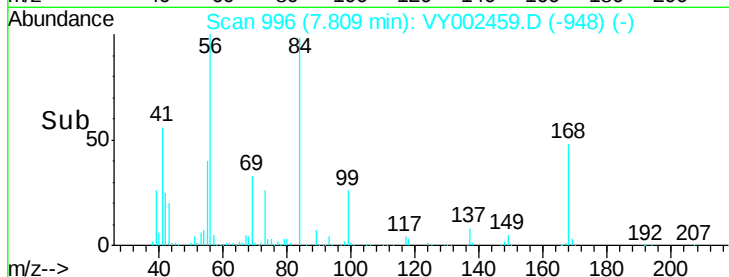
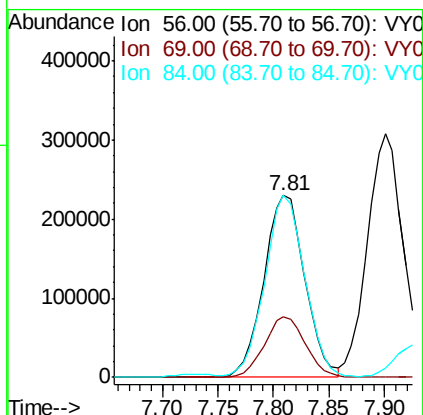
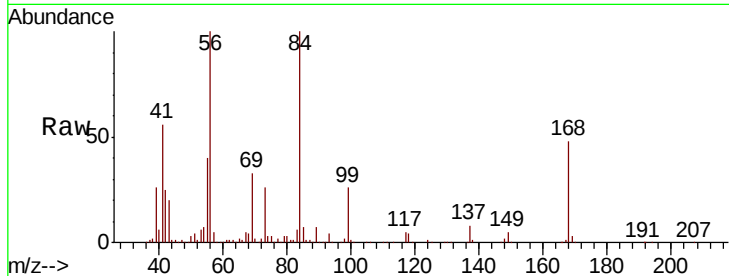




#31
Cyclohexane
Concen: 138.855 ug/l
RT: 7.81 min Scan# 996
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

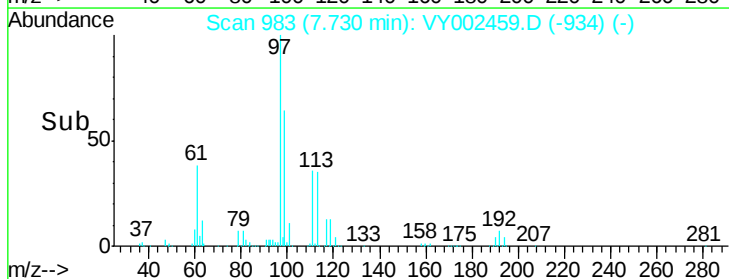
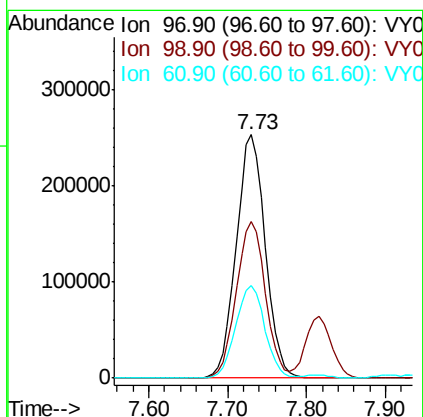
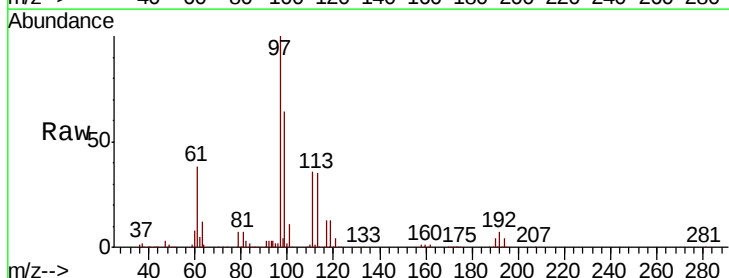
Instrument :
MSVOA_Y
ClientSampleId :

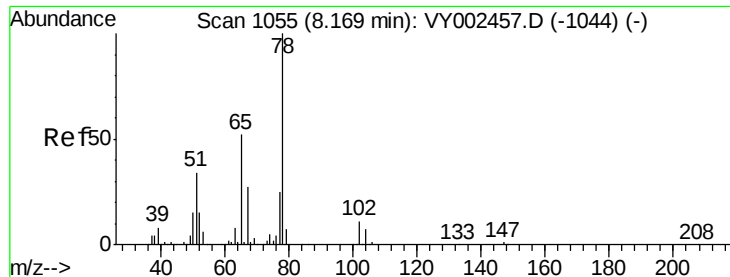
Tot Ion: 56 Resp: 590559
Ion Ratio Lower Upper
56 100
69 33.4 27.0 40.6
84 98.4 77.4 116.2



#32
1,1,1-Trichloroethane
Concen: 151.604 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 97 Resp: 649871
Ion Ratio Lower Upper
97 100
99 64.7 51.6 77.4
61 38.4 30.6 45.8





#33

1,2-Dichloroethane-d4

Concen: 151.486 ug/l

RT: 8.17 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

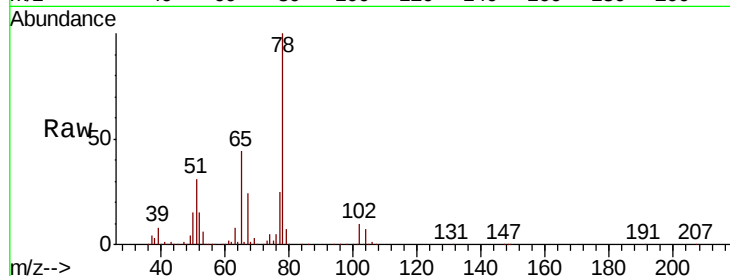
ClientSampleId :

Tot Ion: 65 Resp: 369540

Ion Ratio Lower Upper

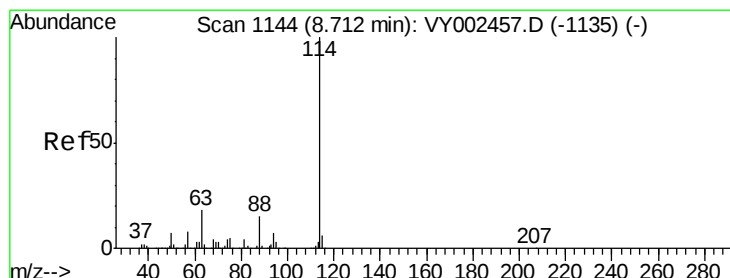
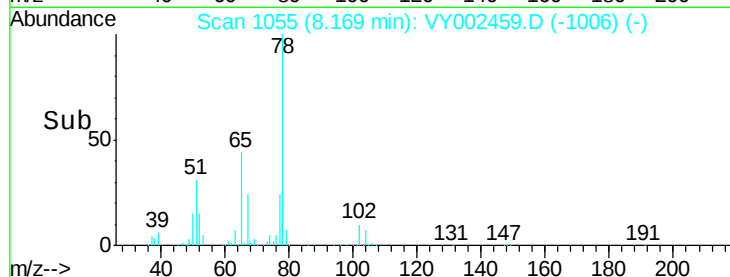
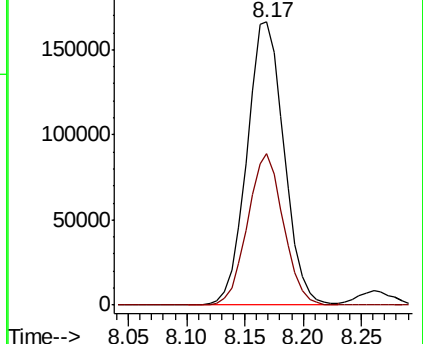
65 100

67 51.8 0.0 104.2



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: 8.71 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

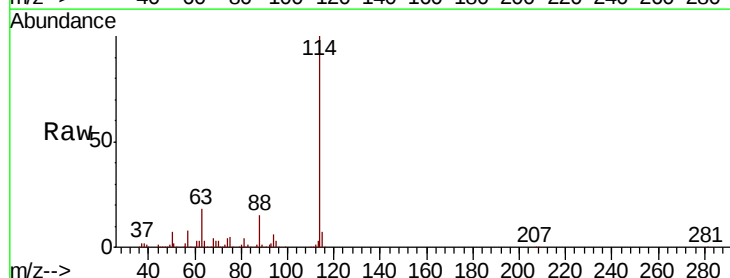
Tgt Ion:114 Resp: 416073

Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.6

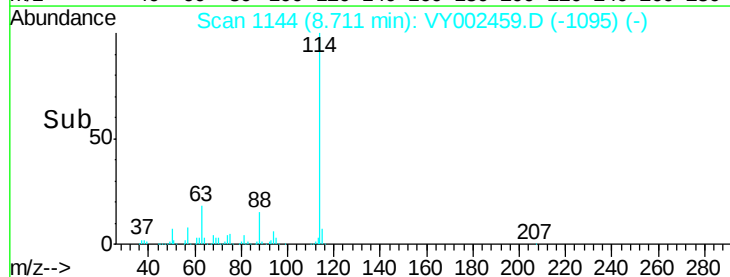
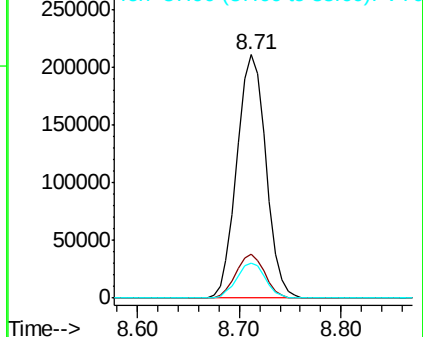
88 14.6 0.0 29.4

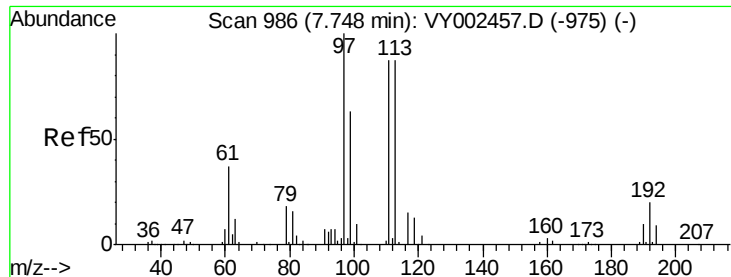


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0

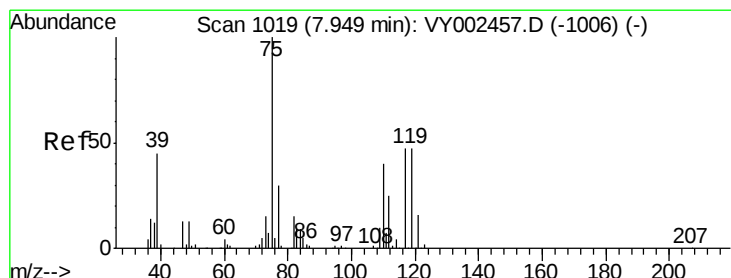
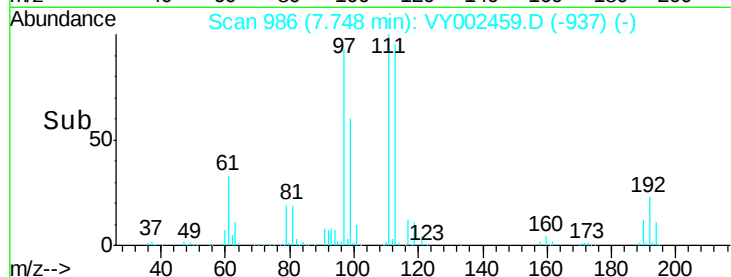
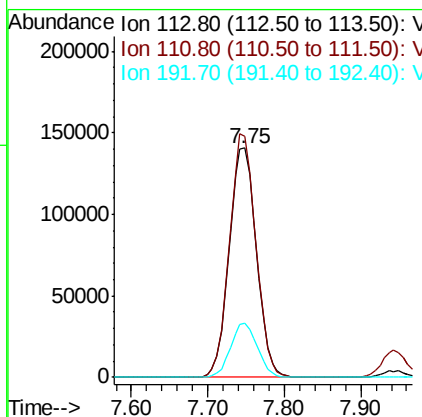
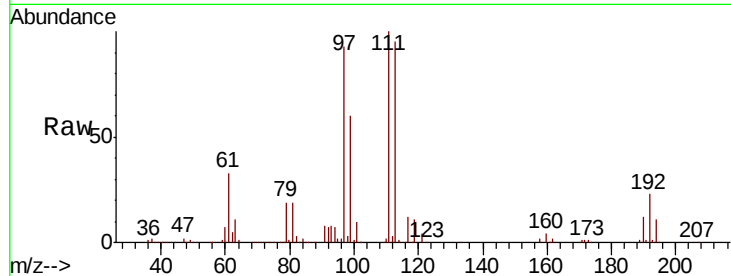




#35
 Dibromofluoromethane
 Concen: 150.546 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

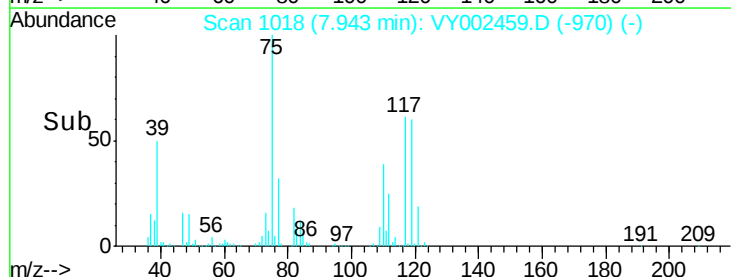
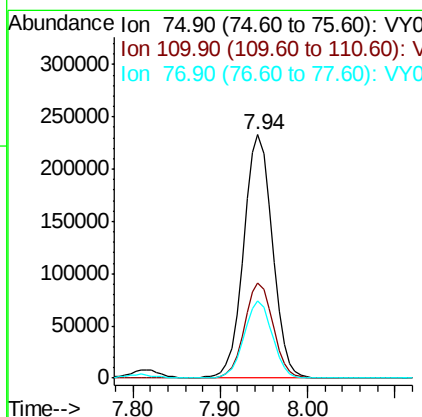
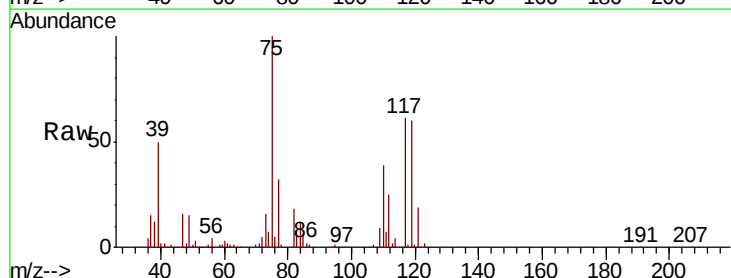
Instrument :
 MSVOA_Y
 ClientSampleId :

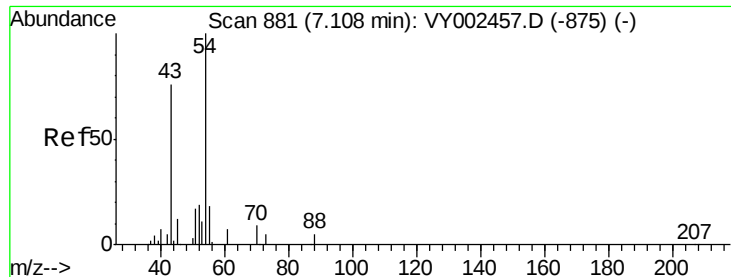
Tot Ion:113 Resp: 347209
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.0 121.4
 192 23.2 18.6 27.8



#36
 1,1-Dichloropropene
 Concen: 150.852 ug/l
 RT: 7.94 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion: 75 Resp: 533186
 Ion Ratio Lower Upper
 75 100
 110 38.5 19.4 58.4
 77 31.2 24.7 37.1

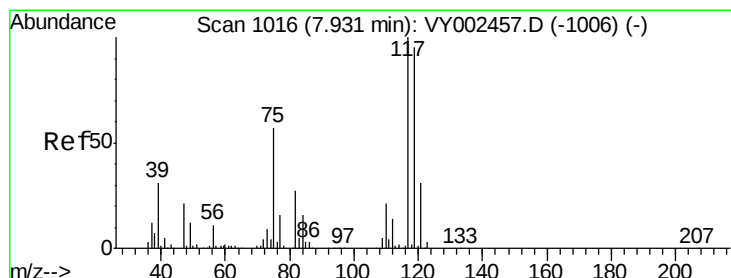
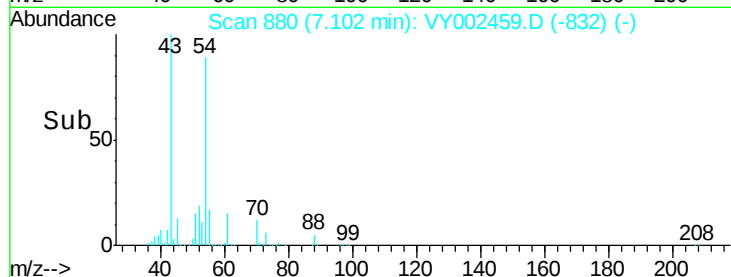
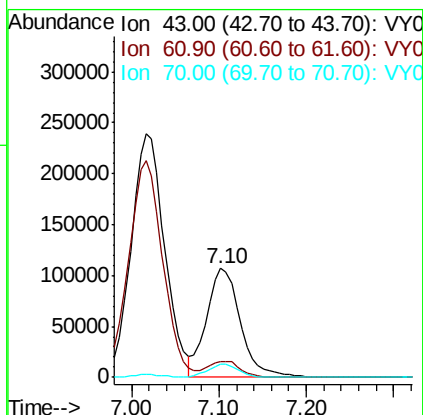
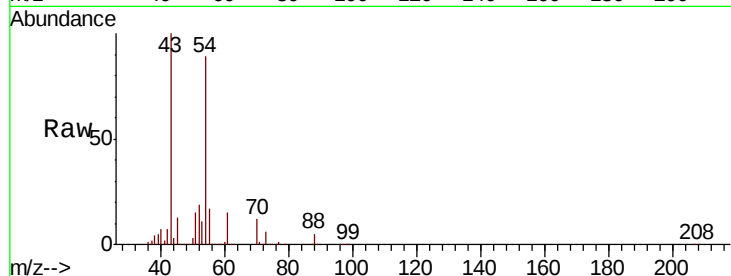




#37
Ethyl Acetate
Concen: 164.456 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

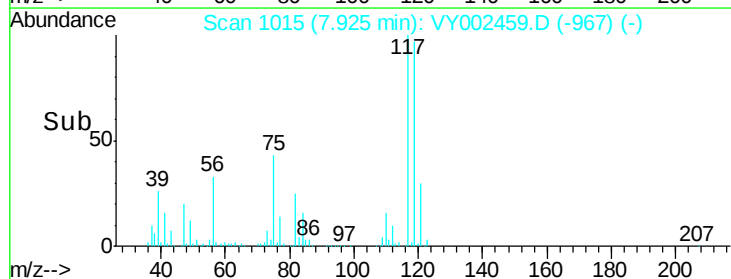
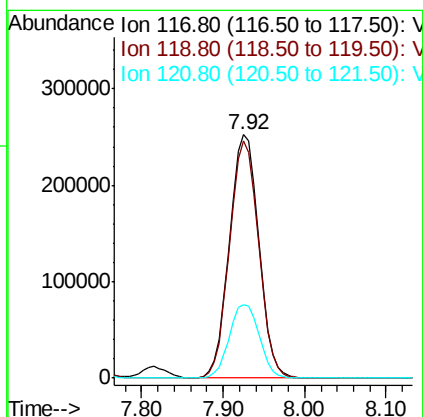
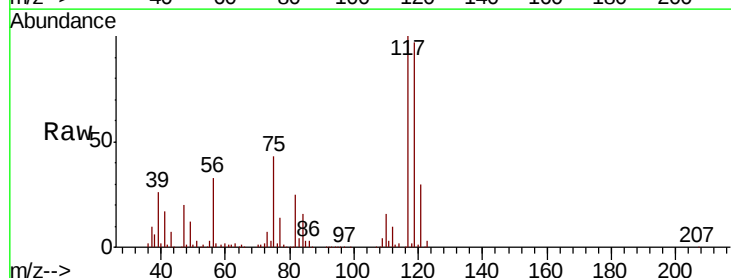
Instrument :
MSVOA_Y
ClientSampled :

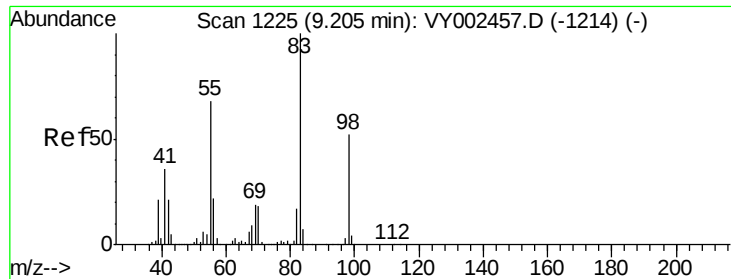
Tot Ion: 43 Resp: 287566
Ion Ratio Lower Upper
43 100
61 13.9 11.8 17.8
70 11.1 9.3 13.9



#38
Carbon Tetrachloride
Concen: 154.341 ug/l
RT: 7.92 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 117 Resp: 627799
Ion Ratio Lower Upper
117 100
119 97.3 75.9 113.9
121 30.2 24.5 36.7

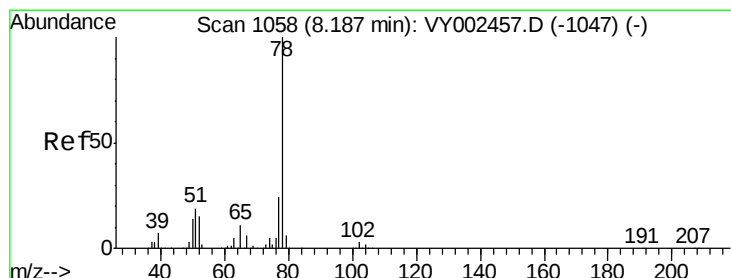
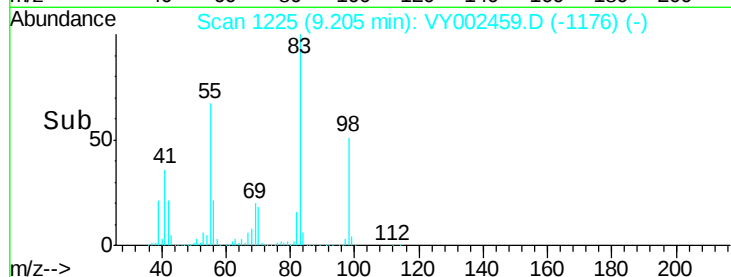
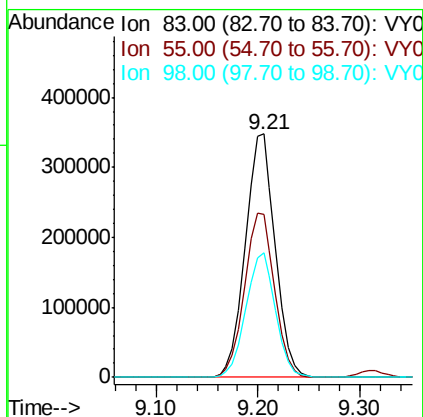
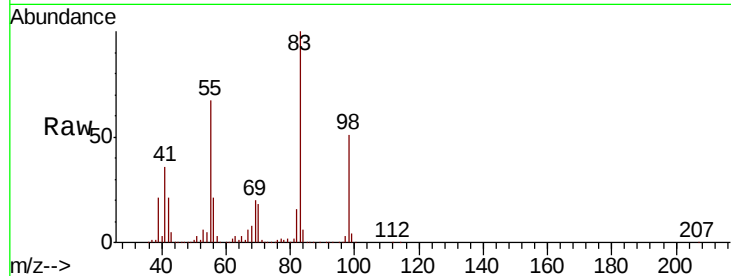




#39
Methvlcvclohexane
Concen: 153.483 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

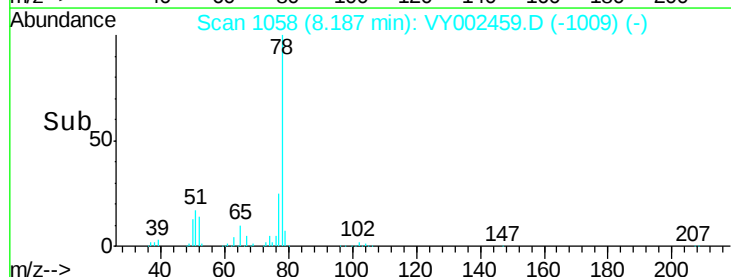
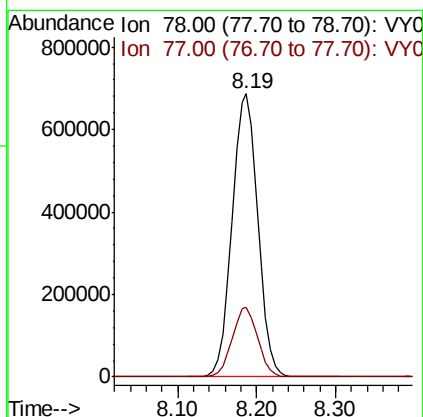
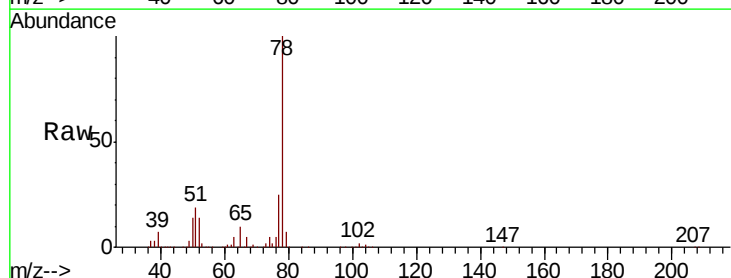
Instrument :
MSVOA_Y
ClientSampled :

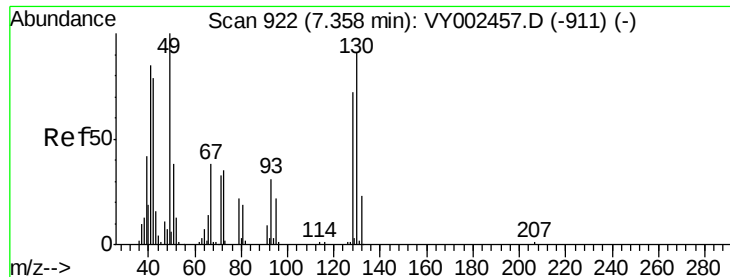
Tot Ion: 83 Resp: 706487
Ion Ratio Lower Upper
83 100
55 67.0 54.2 81.2
98 51.3 41.9 62.9



#40
Benzene
Concen: 151.984 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 78 Resp: 1550870
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0

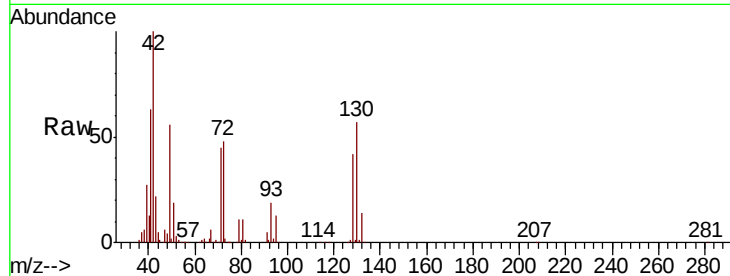




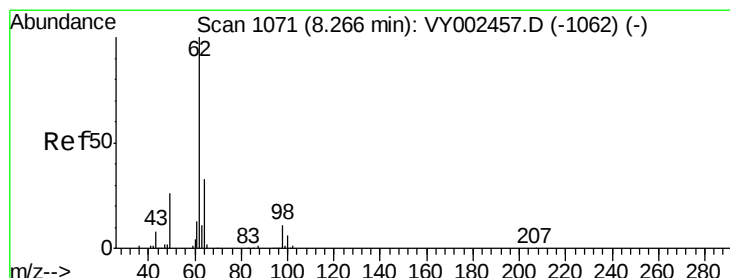
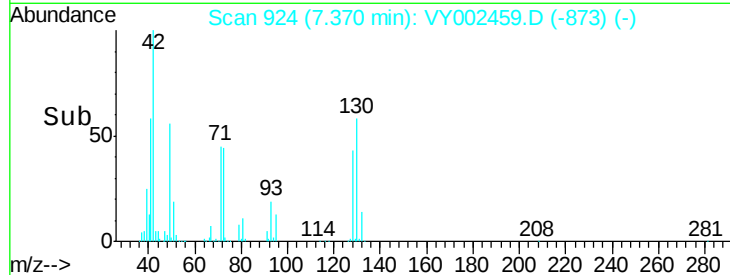
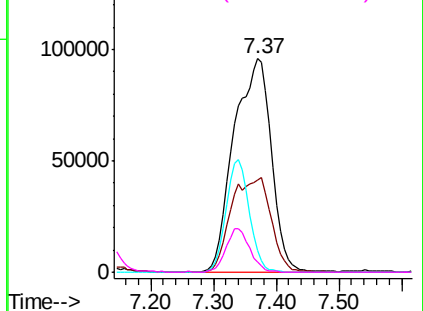
#41
Methacrylonitrile
Concen: 359.076 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampled :

Tot Ion:	41	Resp:	395486
Ion	Ratio	Lower	Upper
41	100		
39	47.0	85.7	128.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

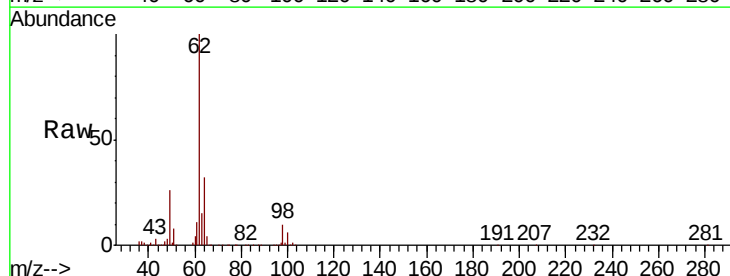


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

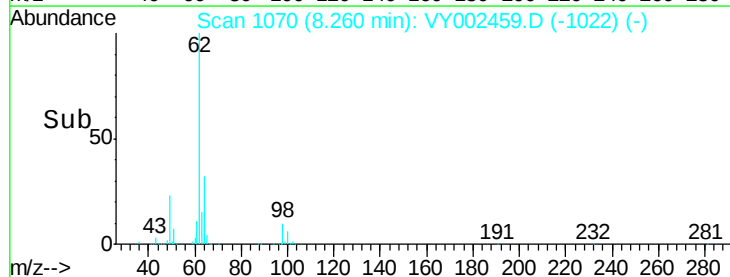
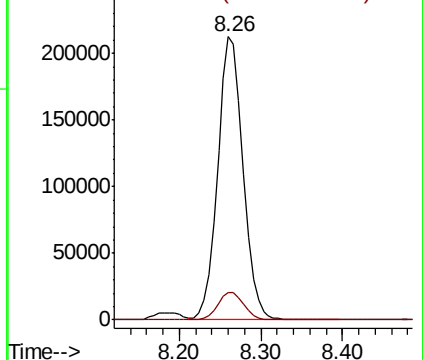


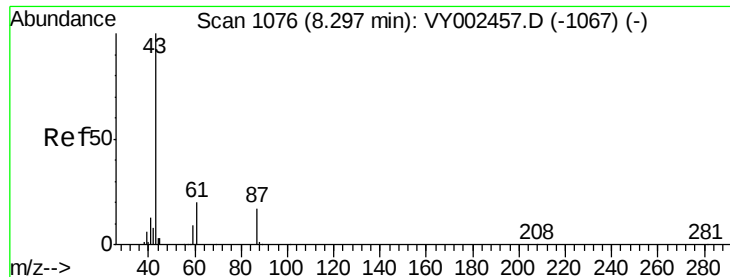
#42
1,2-Dichloroethane
Concen: 154.239 ug/l
RT: 8.26 min Scan# 1070
Delta R.T. -0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:	62	Resp:	456966
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 165.704 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

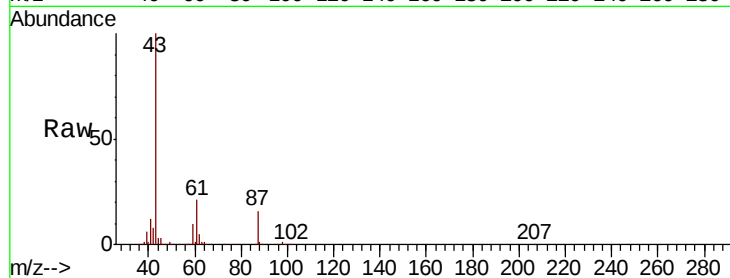
Tot Ion: 43 Resp: 542531

Ion Ratio Lower Upper

43 100

61 30.2 25.0 37.4

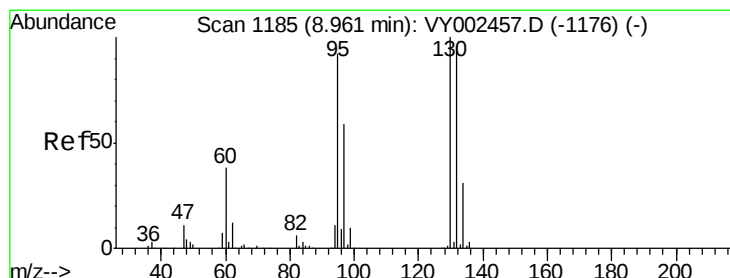
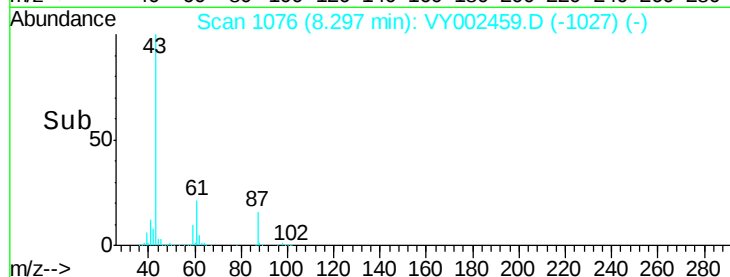
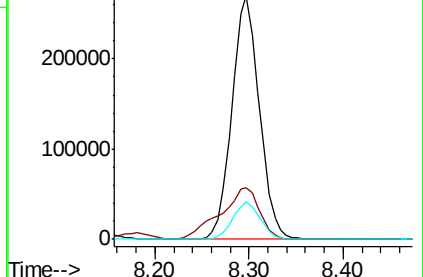
87 15.6 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VY002459.D (-1076) (-)

Ion 61.00 (60.70 to 61.70): VY002459.D (-1076) (-)

Ion 87.00 (86.70 to 87.70): VY002459.D (-1076) (-)



#44

Trichloroethene

Concen: 150.135 ug/l

RT: 8.96 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VY002459.D

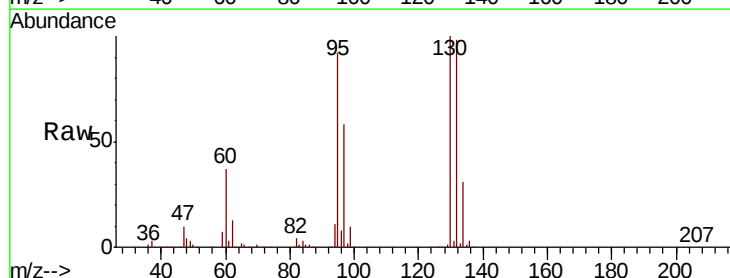
Acq: 23 Apr 2020 13:09

Tgt Ion:130 Resp: 480140

Ion Ratio Lower Upper

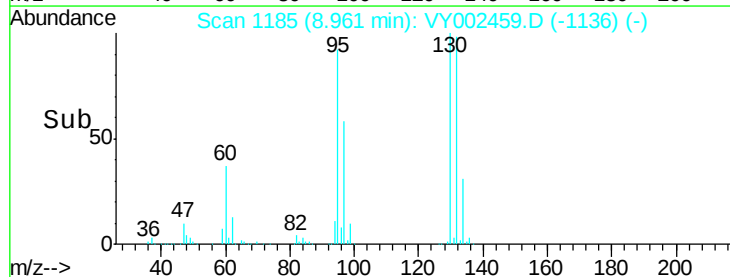
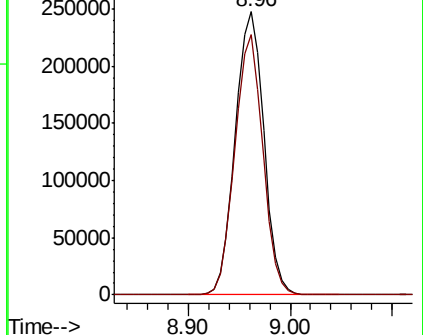
130 100

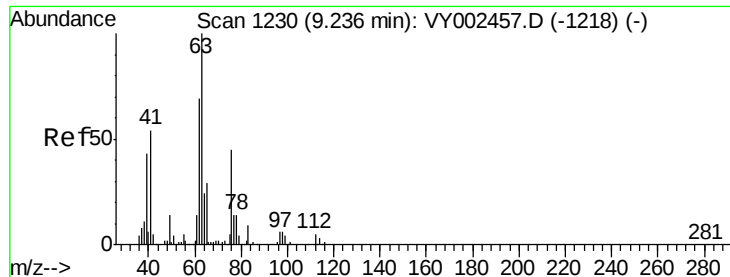
95 92.1 0.0 184.2



Abundance Ion 129.80 (129.50 to 130.50): VY002459.D (-1185) (-)

Ion 94.90 (94.60 to 95.60): VY002459.D (-1185) (-)





#45

1,2-Dichloropropane

Concen: 151.660 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

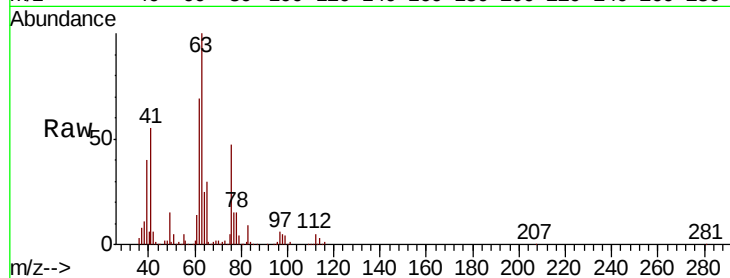
ClientSampled :

Tot Ion: 63 Resp: 355649

Ion Ratio Lower Upper

63 100

65 30.2 23.4 35.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0

9.24

200000

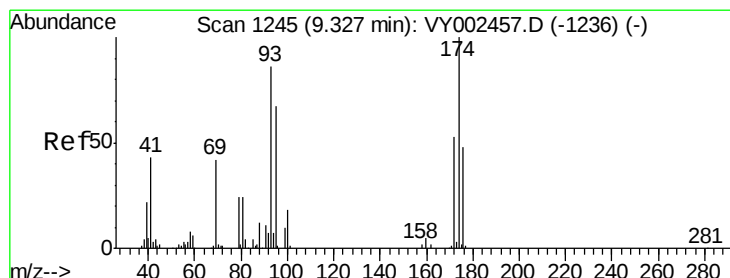
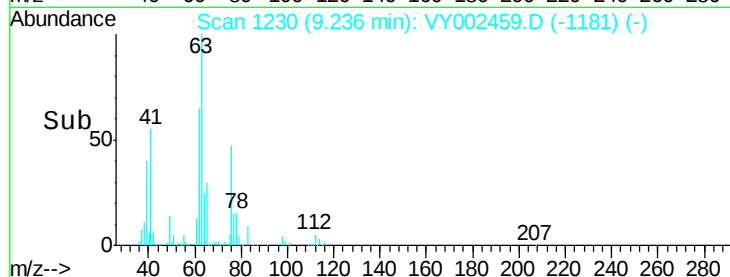
150000

100000

50000

0

Time--> 9.10 9.20 9.30



#46

Dibromomethane

Concen: 156.515 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

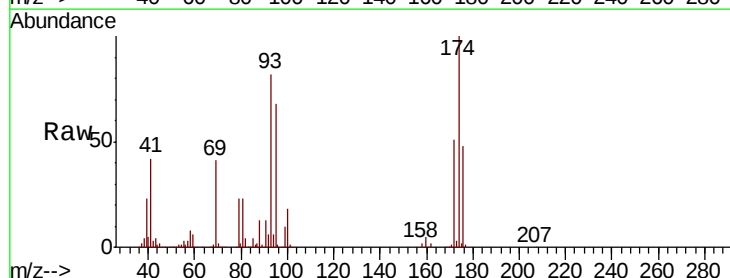
Tgt Ion: 93 Resp: 214890

Ion Ratio Lower Upper

93 100

95 82.3 65.4 98.0

174 119.1 94.8 142.2



Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0

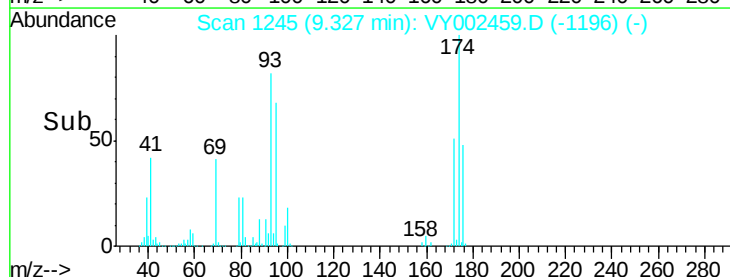
150000

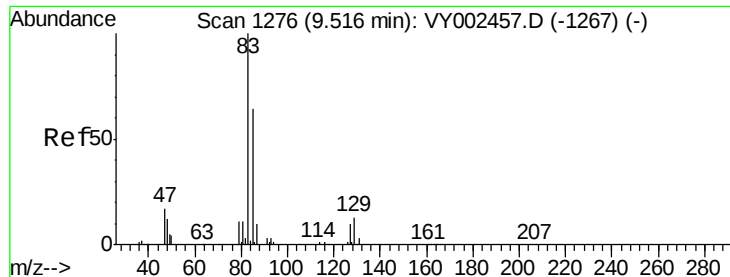
100000

50000

0

Time--> 9.20 9.30 9.40





#47

Bromodichloromethane

Concen: 155.155 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

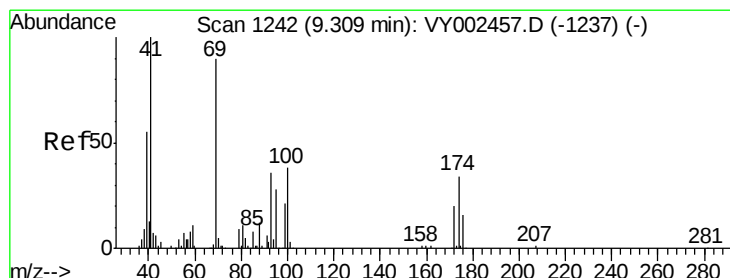
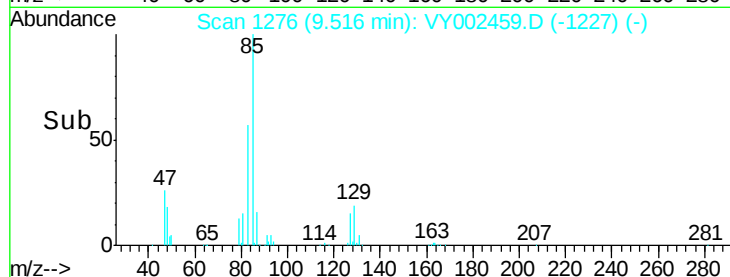
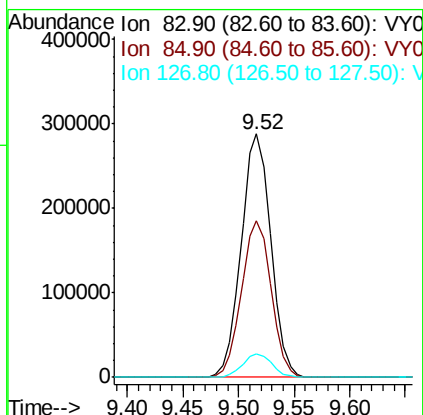
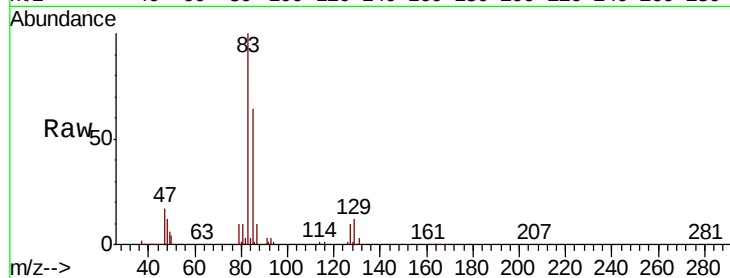
Tot Ion: 83 Resp: 532625

Ion Ratio Lower Upper

83 100

85 64.4 51.2 76.8

127 9.5 7.7 11.5



#48

Methyl methacrylate

Concen: 167.284 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

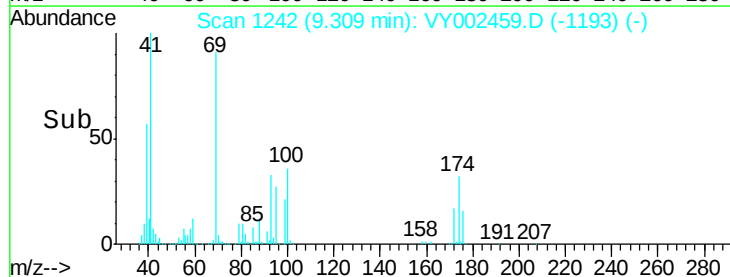
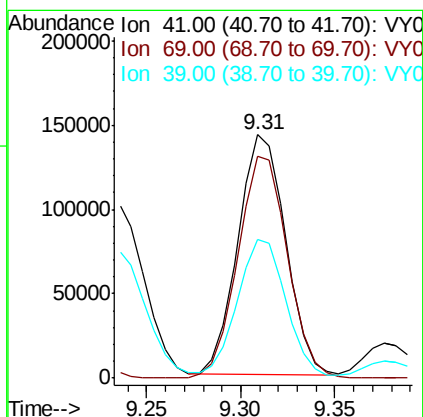
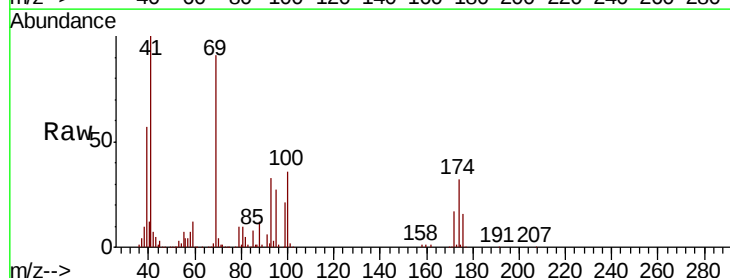
Tgt Ion: 41 Resp: 249445

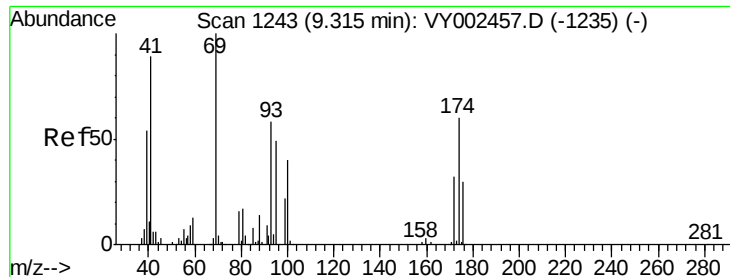
Ion Ratio Lower Upper

41 100

69 96.4 77.9 116.9

39 57.1 47.9 71.9

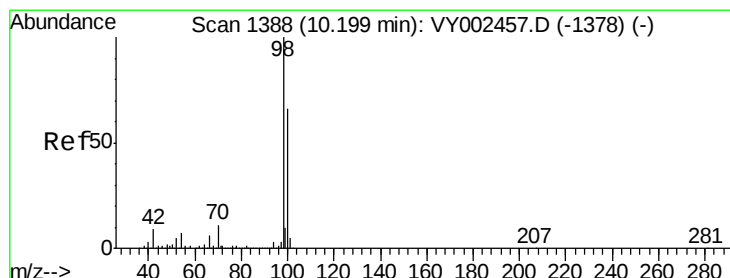
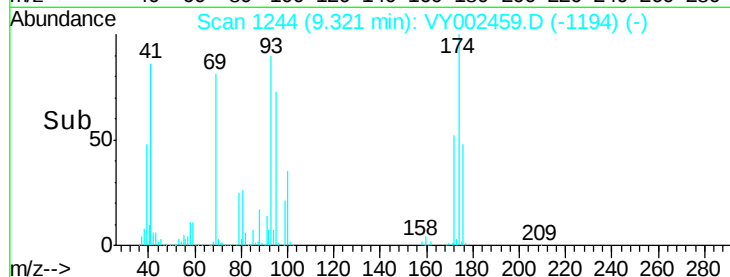
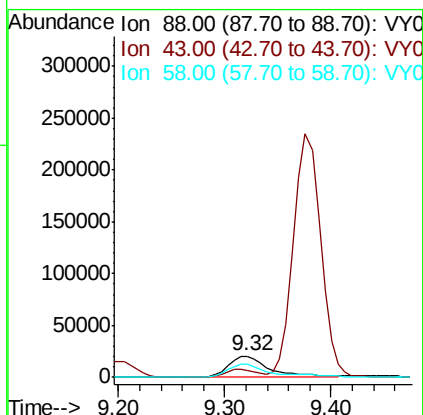
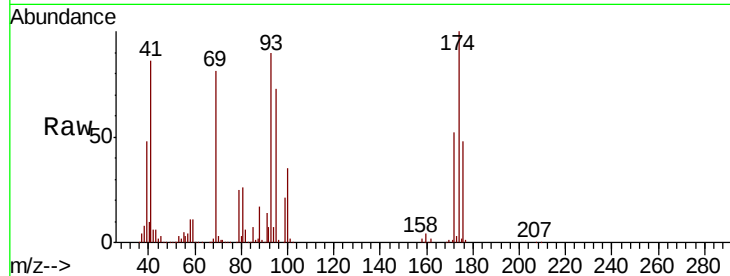




#49
1,4-Dioxane
Concen: 3354.587 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

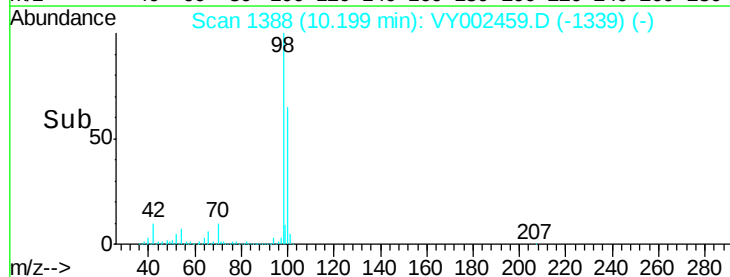
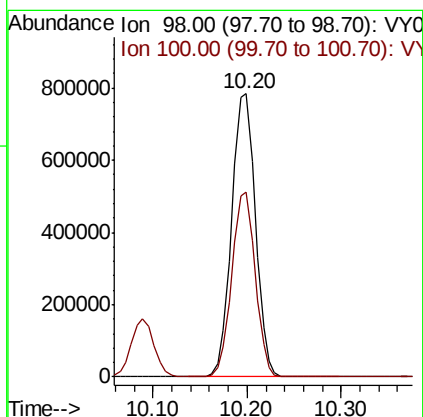
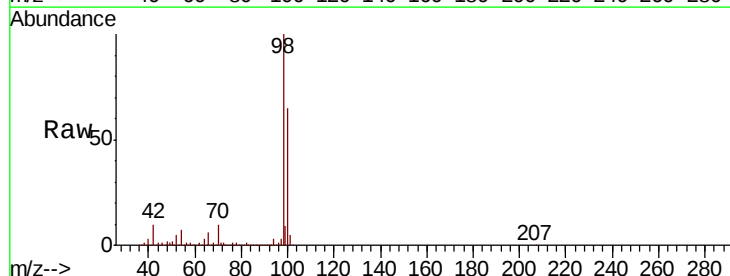
Instrument :
MSVOA_Y
ClientSampleId :

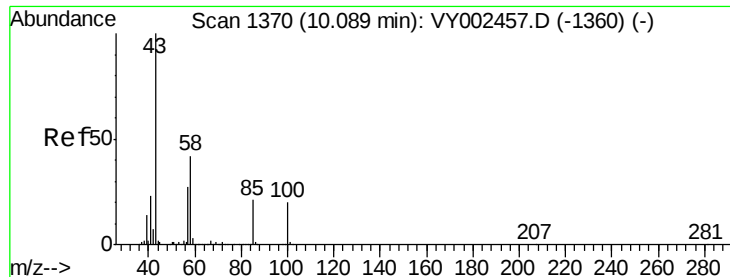
Tot Ion: 88 Resp: 57481
Ion Ratio Lower Upper
88 100
43 28.1 22.9 34.3
58 68.9 49.5 74.3



#50
Toluene-d8
Concen: 149.247 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 98 Resp: 1380800
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

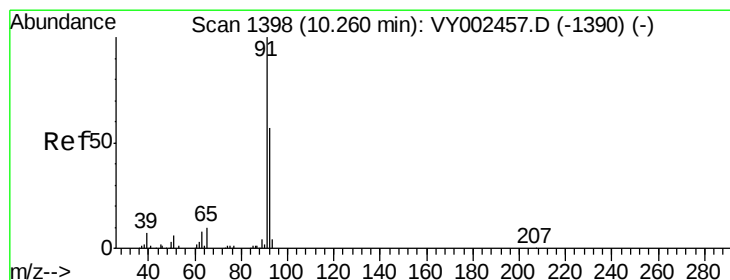
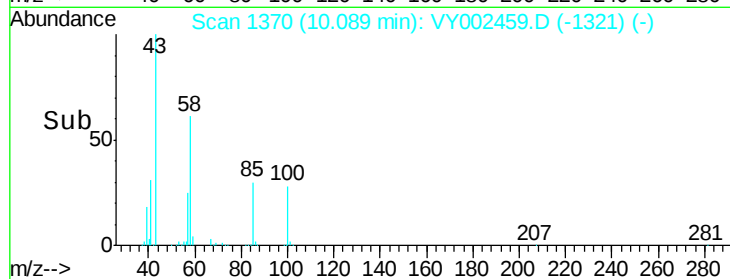
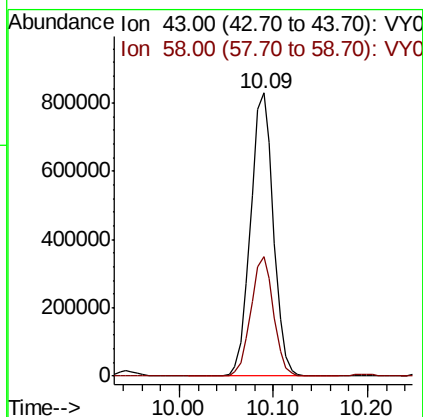
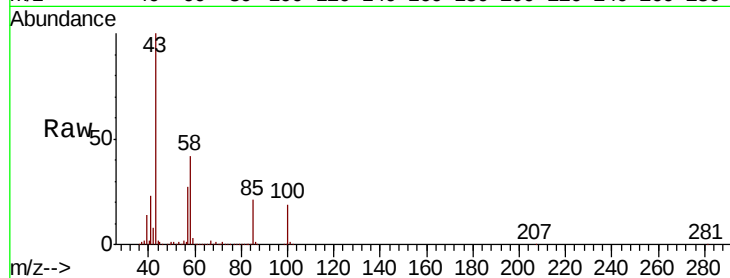




#51
4-Methyl-2-Pentanone
Concen: 839.624 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

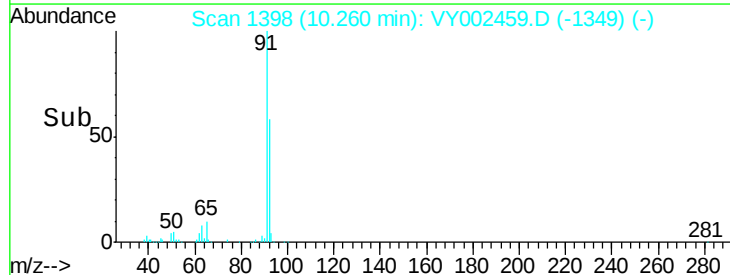
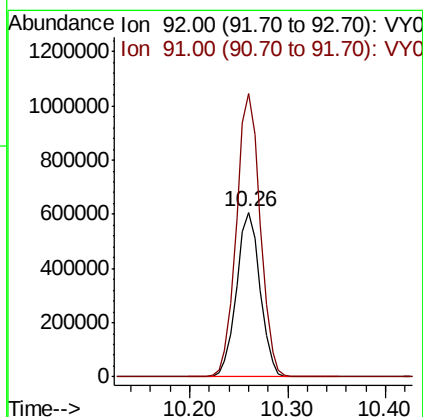
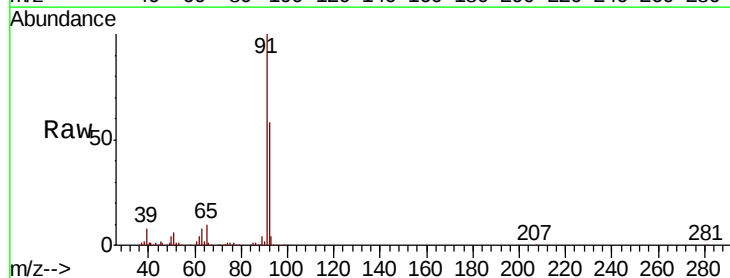
Instrument :
MSVOA_Y
ClientSampleId :

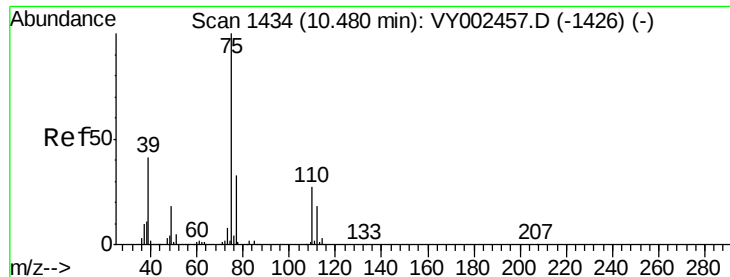
Tot Ion: 43 Resp: 1420661
Ion Ratio Lower Upper
43 100
58 41.8 33.2 49.8



#52
Toluene
Concen: 154.797 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 92 Resp: 1013946
Ion Ratio Lower Upper
92 100
91 174.1 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 160.969 ug/l

RT: 10.48 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

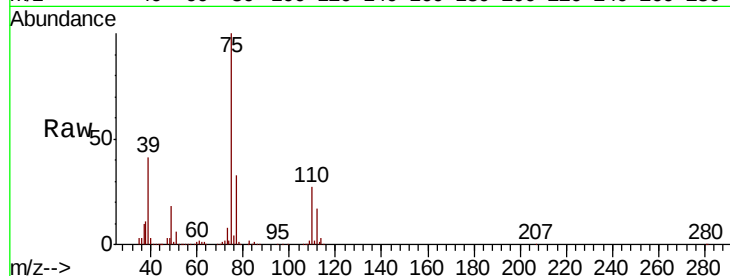
ClientSampleId :

Tot Ion: 75 Resp: 580386

Ion Ratio Lower Upper

75 100

77 32.6 26.4 39.6



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.48

400000

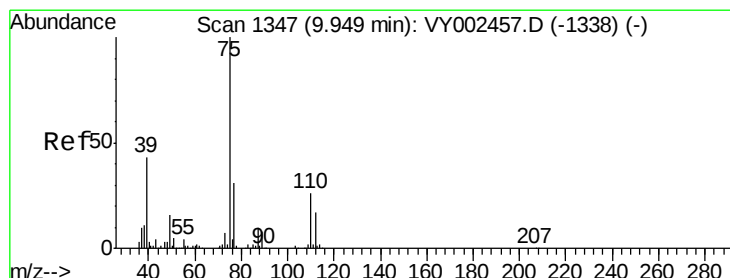
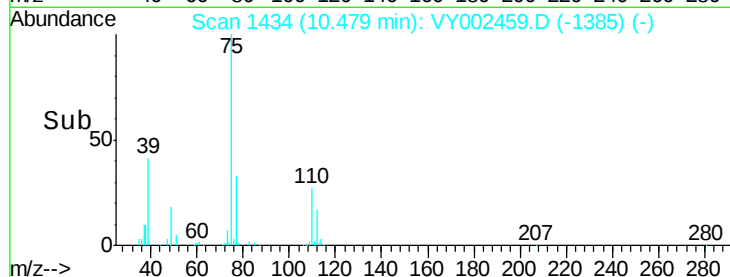
300000

200000

100000

0

Time--> 10.40 10.50 10.60



#54

cis-1,3-Dichloropropene

Concen: 156.339 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

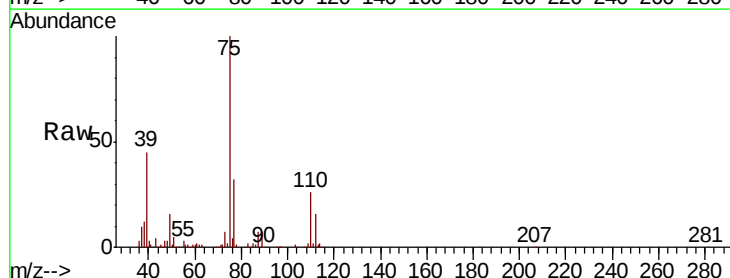
Tgt Ion: 75 Resp: 644638

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

39 44.5 34.2 51.2



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

500000

400000

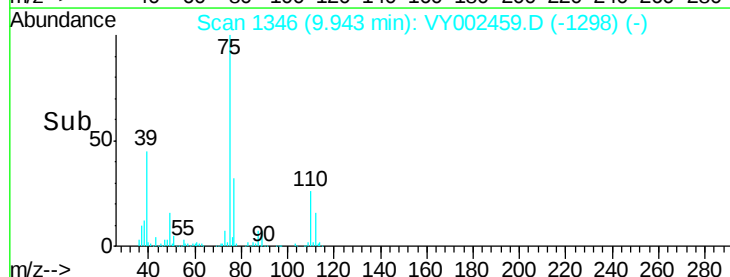
300000

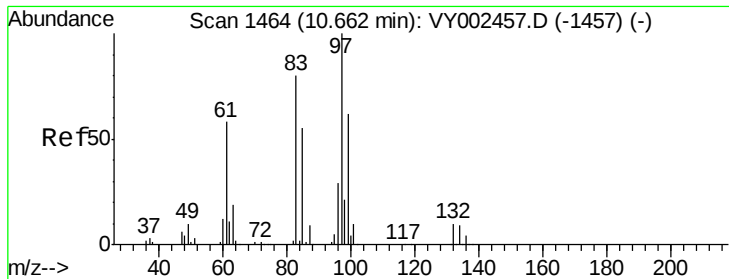
200000

100000

0

Time--> 9.80 9.90 10.00 10.10





#55

1,1,2-Trichloroethane

Concen: 155.889 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampled :

Tot Ion: 97 Resp: 315759

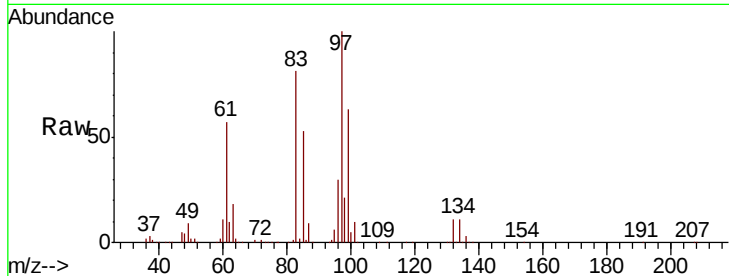
Ion Ratio Lower Upper

97 100

83 80.6 63.8 95.8

85 53.3 43.9 65.9

99 63.2 49.8 74.6



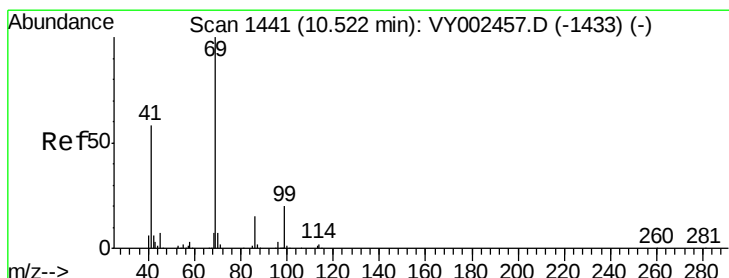
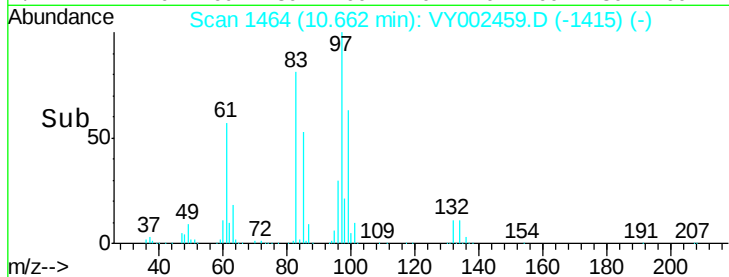
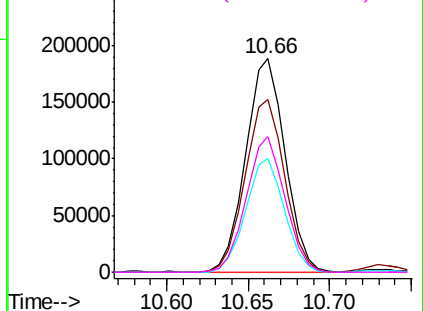
Abundance

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: 163.801 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

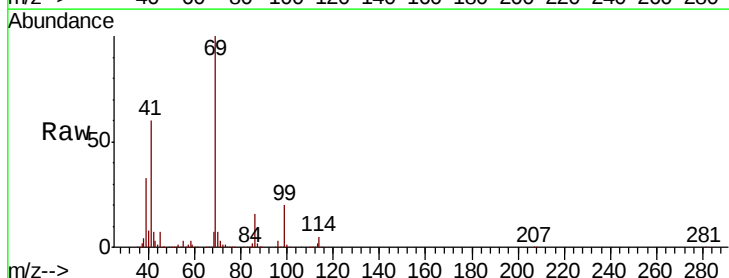
Tgt Ion: 69 Resp: 448946

Ion Ratio Lower Upper

69 100

41 60.6 47.5 71.3

39 31.9 25.7 38.5

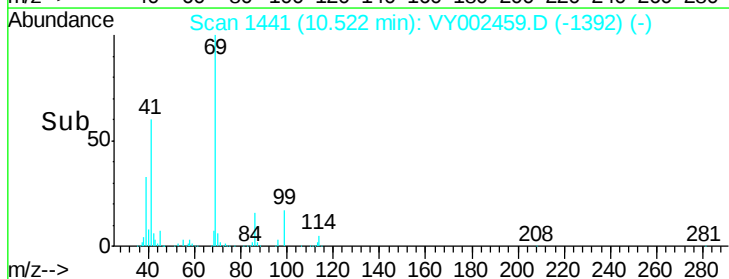
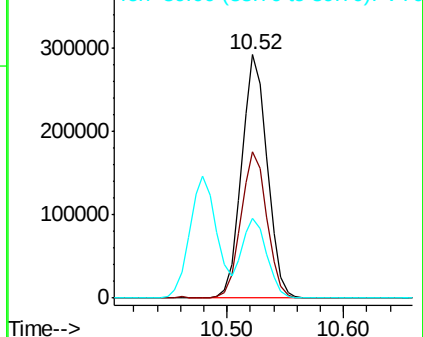


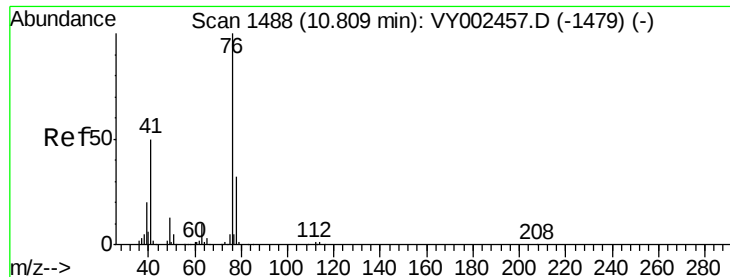
Abundance

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: 156.329 ug/l

RT: 10.80 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

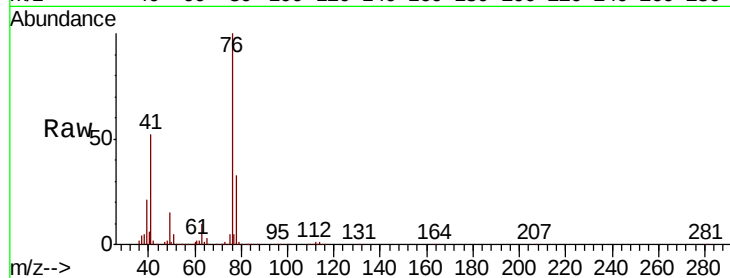
ClientSampleId :

Tot Ion: 76 Resp: 534527

Ion Ratio Lower Upper

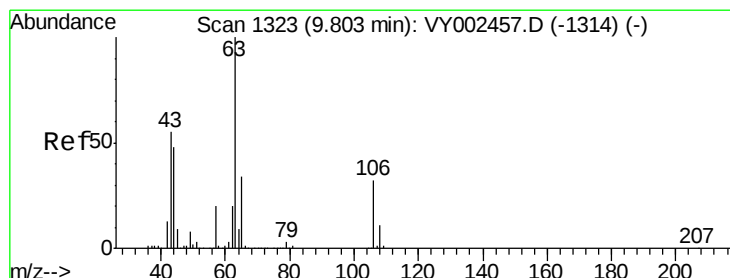
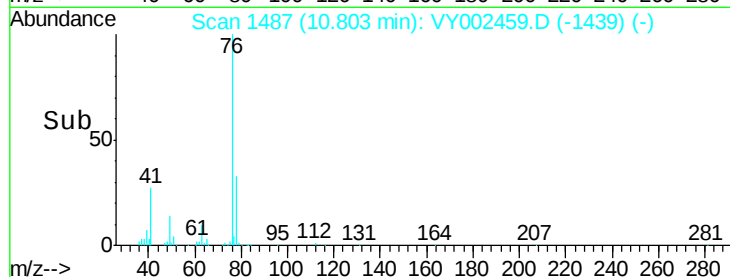
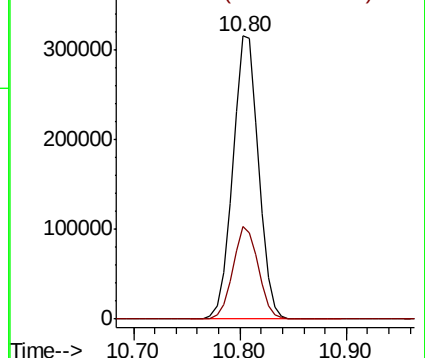
76 100

78 32.4 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 785.453 ug/l

RT: 9.80 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VY002459.D

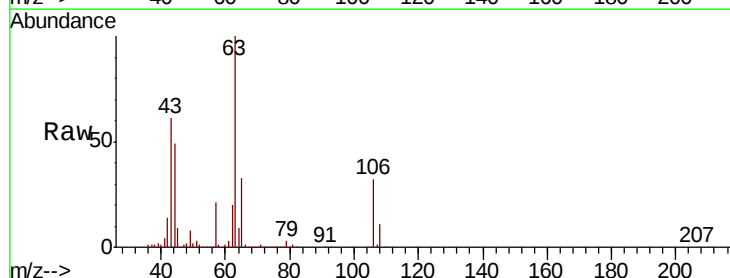
Acq: 23 Apr 2020 13:09

Tgt Ion: 63 Resp: 1045239

Ion Ratio Lower Upper

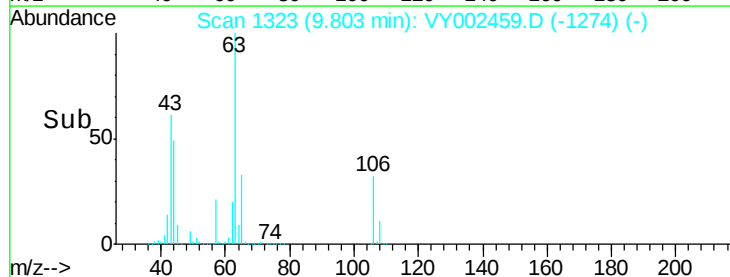
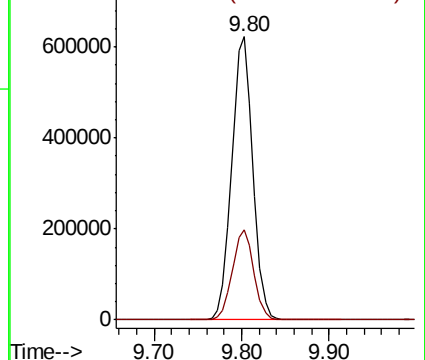
63 100

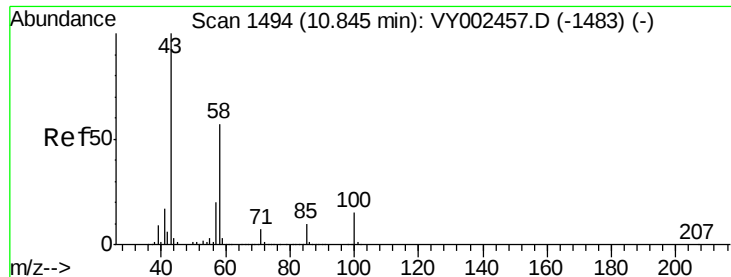
106 32.0 26.0 39.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 864.594 ug/l

RT: 10.85 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

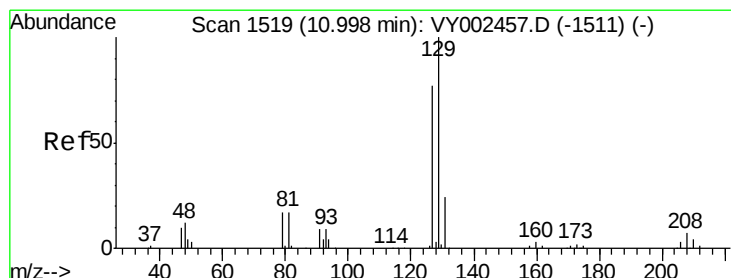
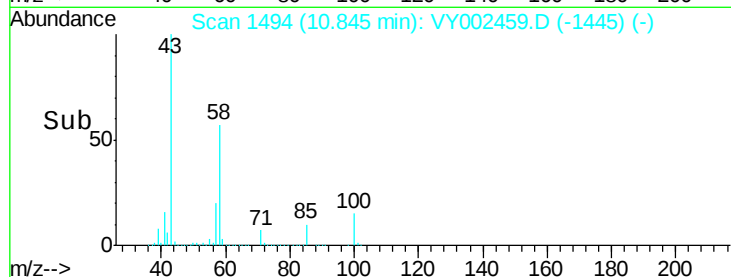
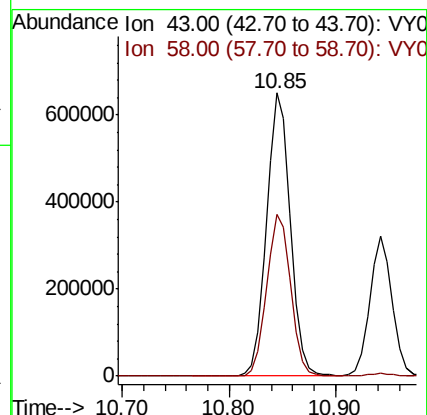
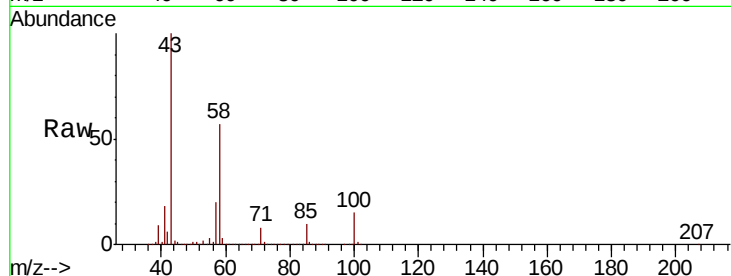
ClientSampleId :

Tot Ion: 43 Resp: 1016617

Ion Ratio Lower Upper

43 100

58 57.9 28.8 86.4



#60

Dibromochloromethane

Concen: 159.407 ug/l

RT: 11.00 min Scan# 1519

Delta R.T. -0.00 min

Lab File: VY002459.D

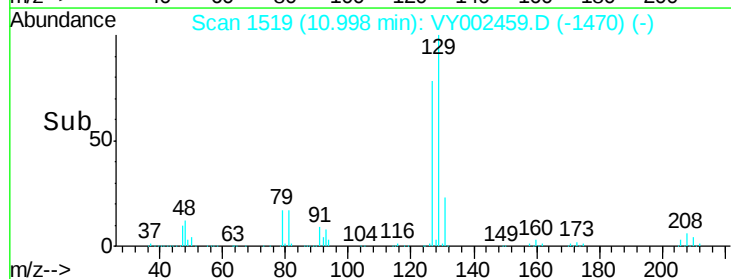
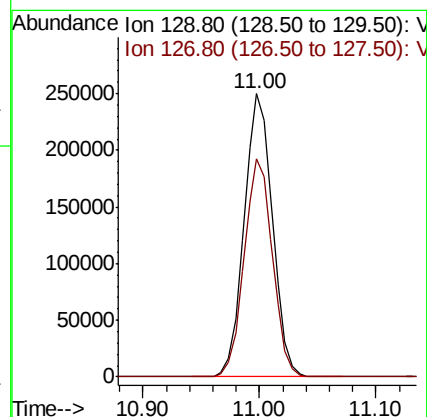
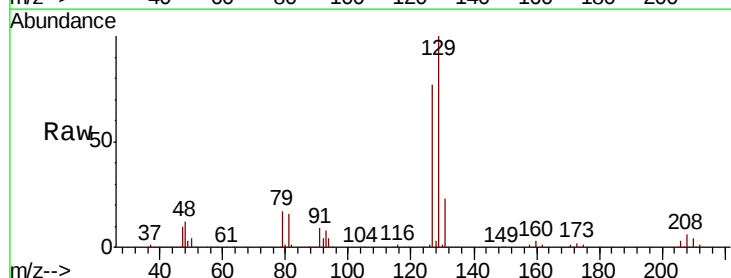
Acq: 23 Apr 2020 13:09

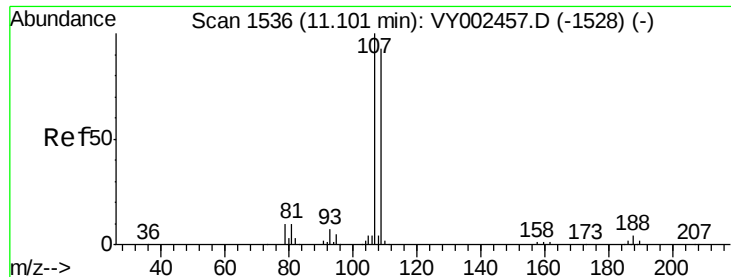
Tgt Ion: 129 Resp: 422568

Ion Ratio Lower Upper

129 100

127 77.2 38.3 114.9

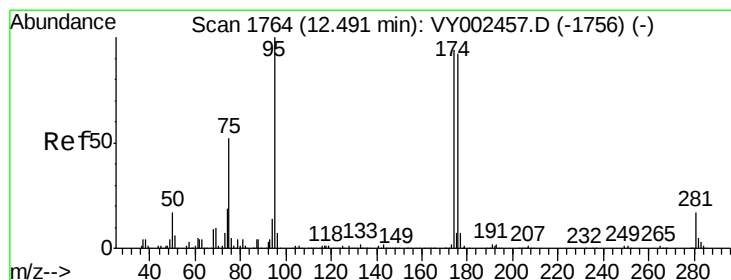
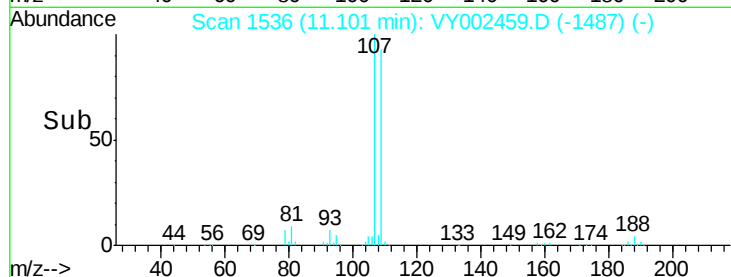
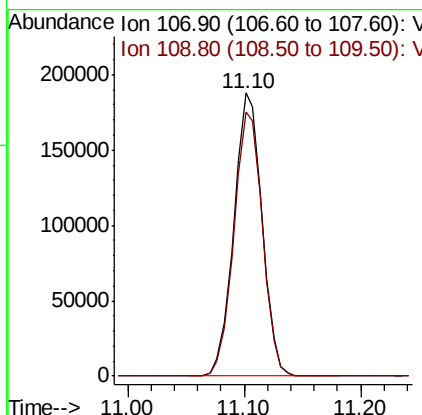
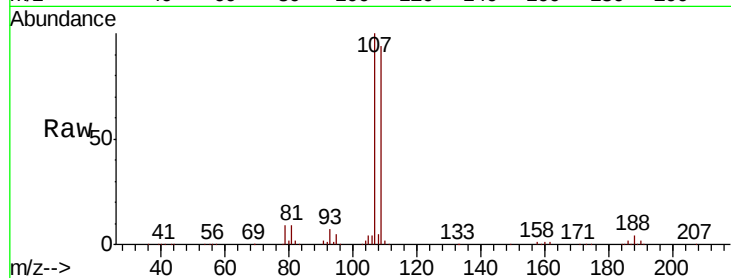




#61
 1,2-Dibromoethane
 Concen: 157.552 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

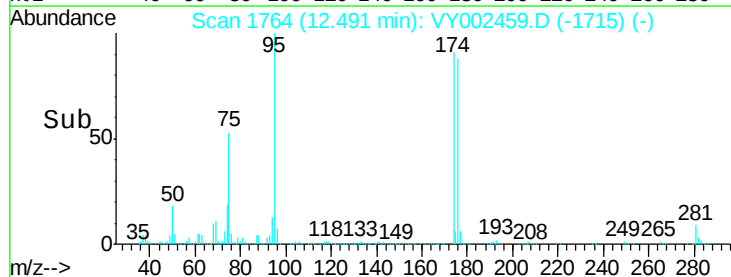
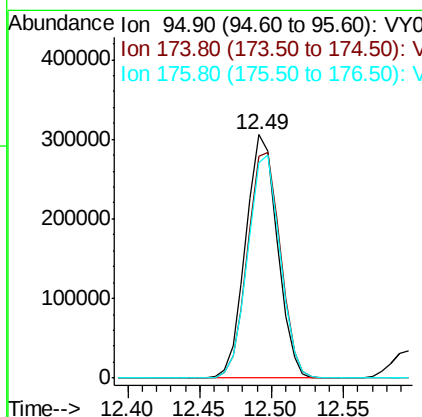
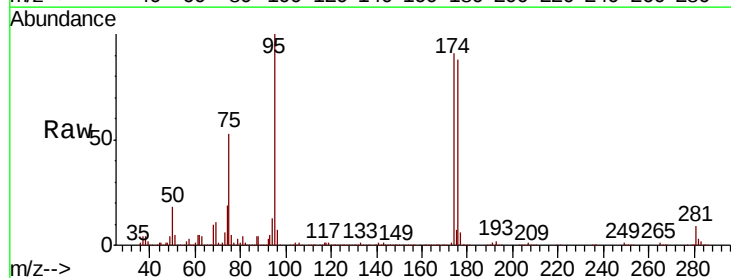
Instrument :
 MSVOA_Y
 ClientSampleId :

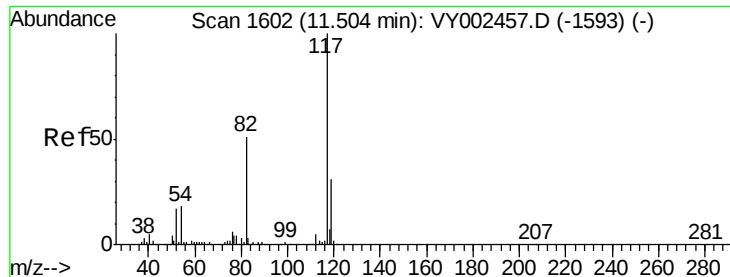
Tot Ion:107 Resp: 315791
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.9 112.3



#62
 4-Bromofluorobenzene
 Concen: 150.492 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion: 95 Resp: 466278
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 193.0
 176 92.8 0.0 190.4

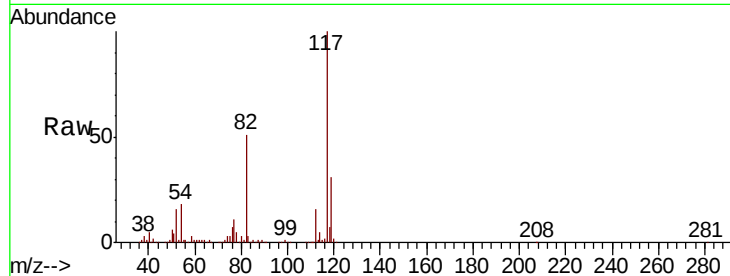




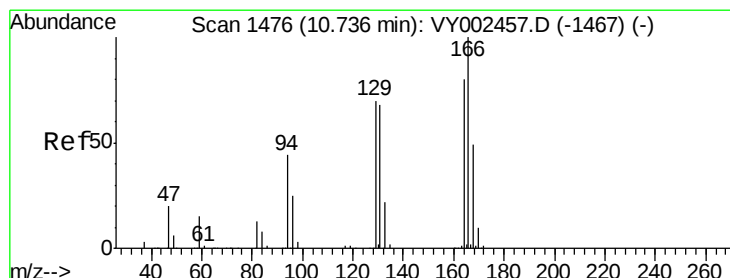
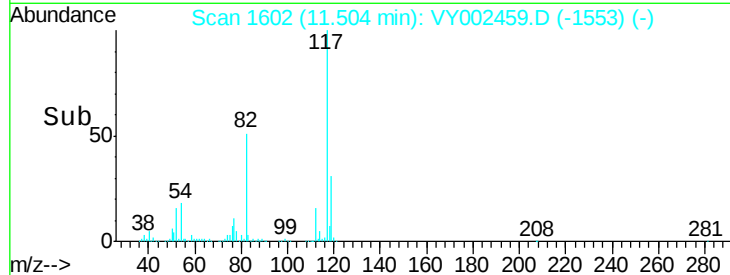
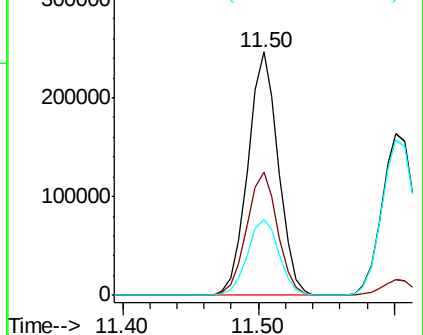
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:117 Resp: 386045
Ion Ratio Lower Upper
117 100
82 50.5 40.8 61.2
119 31.3 25.2 37.8

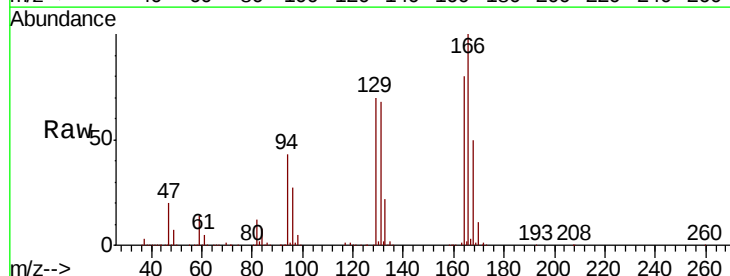


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

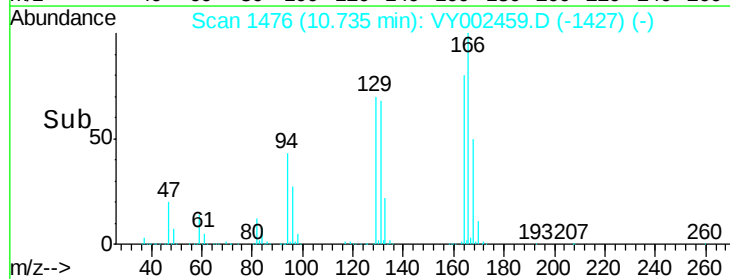
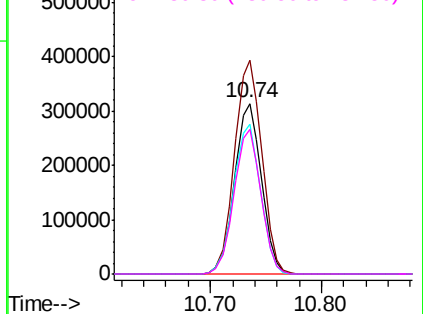


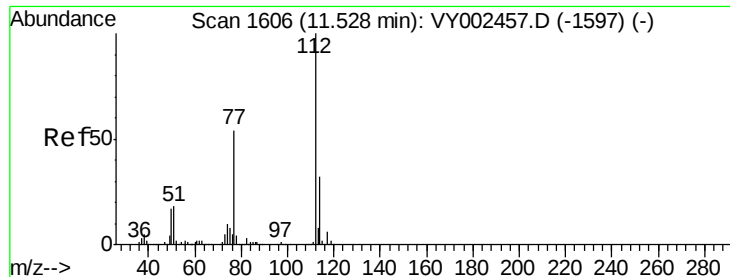
#64
Tetrachloroethene
Concen: 149.204 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:164 Resp: 523595
Ion Ratio Lower Upper
164 100
166 125.1 100.0 150.0
129 87.6 69.8 104.8
131 84.9 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

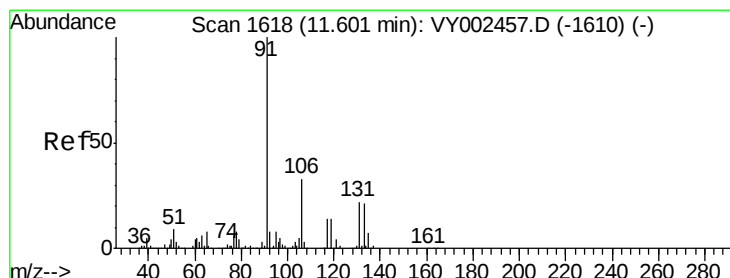
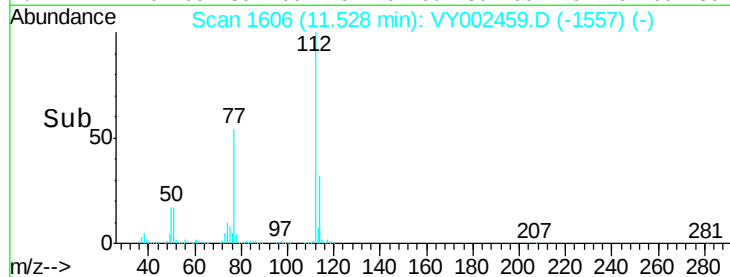
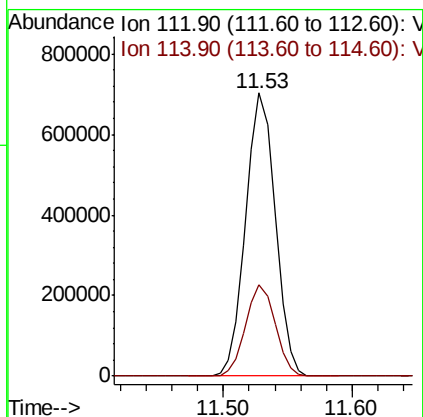
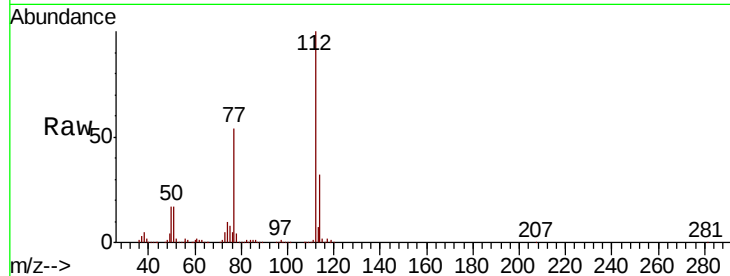




#65
Chlorobenzene
Concen: 151.472 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

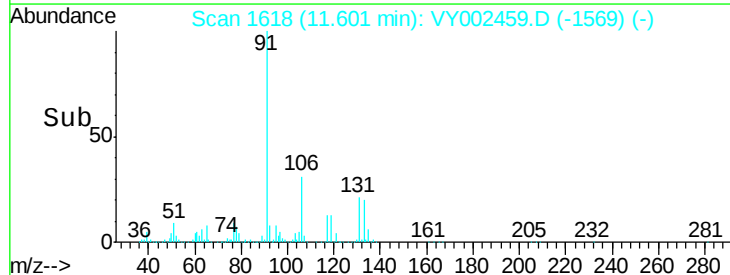
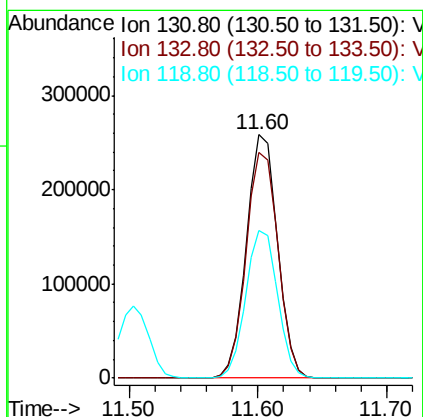
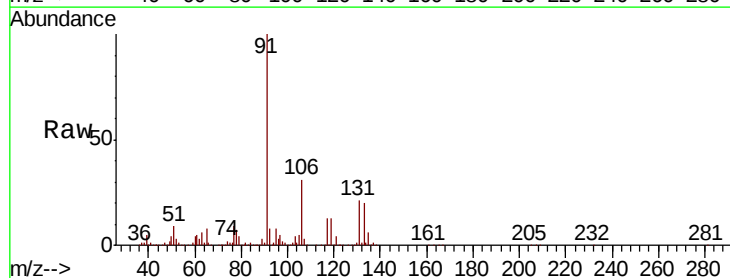
Instrument :
MSVOA_Y
ClientSampleId :

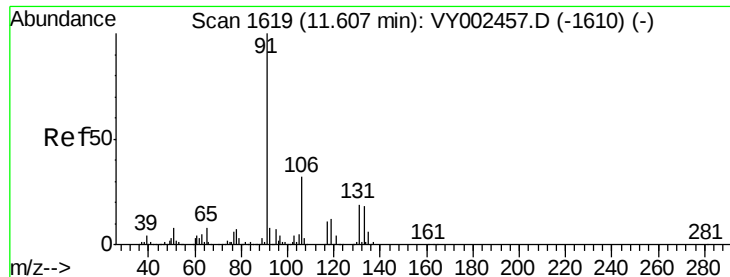
Tot Ion:112 Resp: 1119030
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 155.151 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:131 Resp: 429384
Ion Ratio Lower Upper
131 100
133 95.1 47.8 143.4
119 61.9 31.1 93.3





#67

Ethyl Benzene

Concen: 154.448 ug/l

RT: 11.61 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

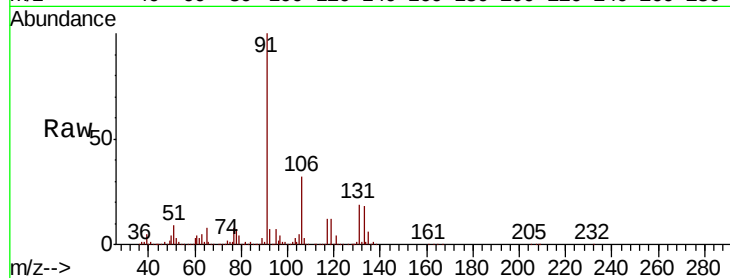
ClientSampled :

Tot Ion: 91 Resp: 2030108

Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.6



Abundance Ion 91.00 (90.70 to 91.70): VY002457.D (-1610) (-)

Ion 106.00 (105.70 to 106.70): VY002457.D (-1610) (-)

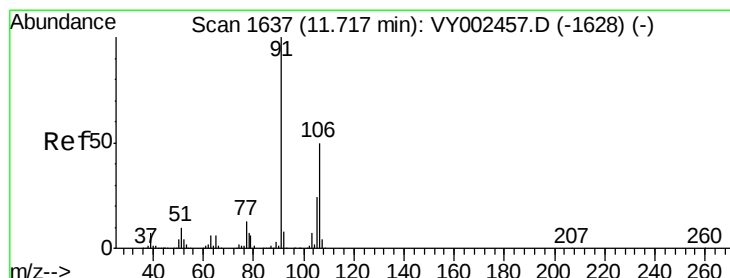
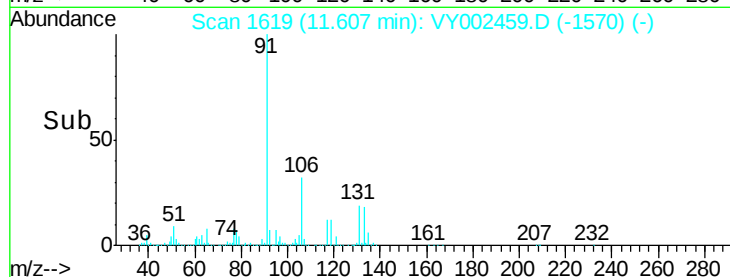
1500000

1000000

500000

0

Time--> 11.50 11.60



#68

m/p-Xylenes

Concen: 308.065 ug/l

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VY002459.D

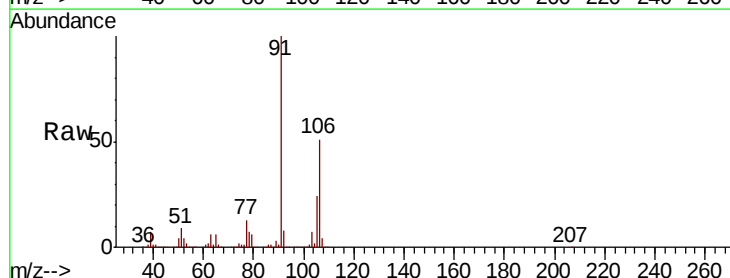
Acq: 23 Apr 2020 13:09

Tgt Ion:106 Resp: 1559041

Ion Ratio Lower Upper

106 100

91 197.7 159.8 239.6



Abundance Ion 106.00 (105.70 to 106.70): VY002457.D (-1628) (-)

Ion 91.00 (90.70 to 91.70): VY002457.D (-1628) (-)

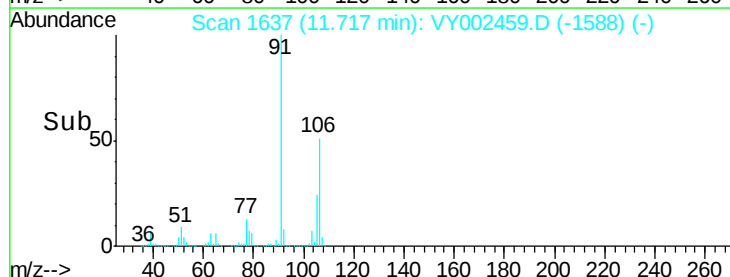
1500000

1000000

500000

0

Time--> 11.60 11.70 11.80

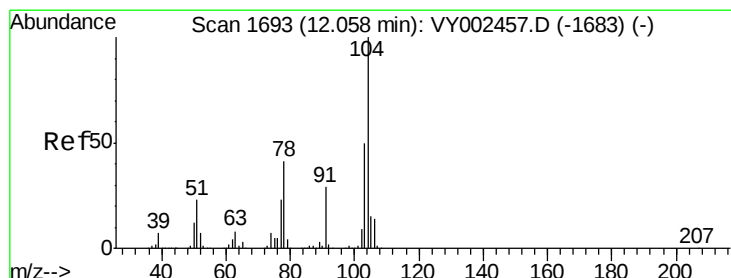
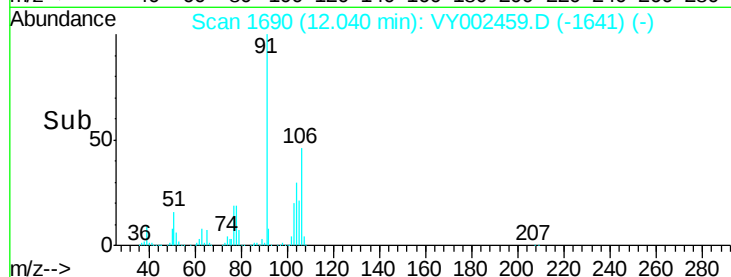
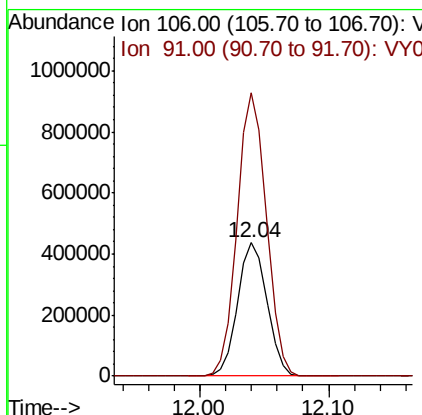
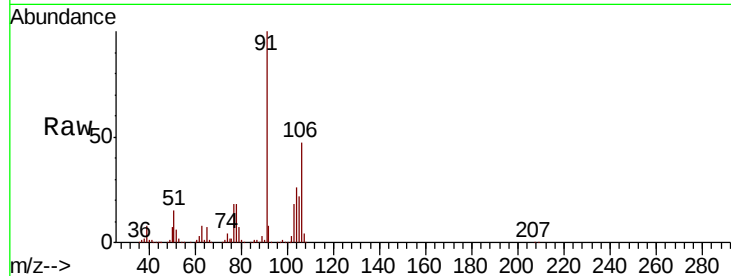




#69
o-Xylene
Concen: 145.898 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

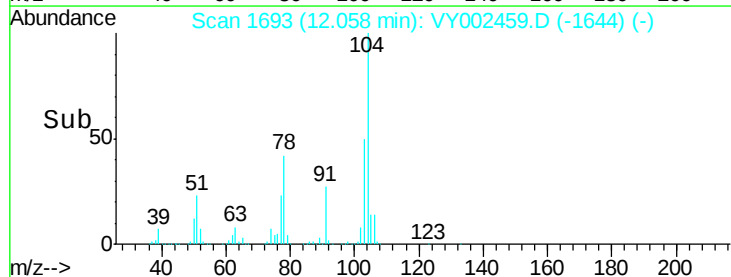
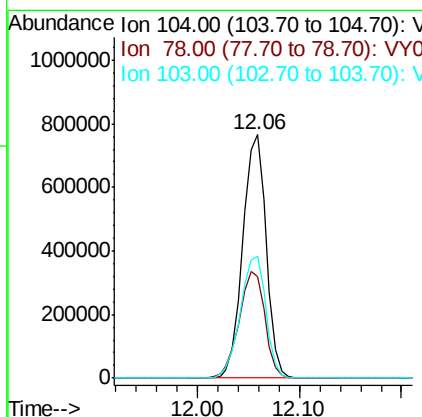
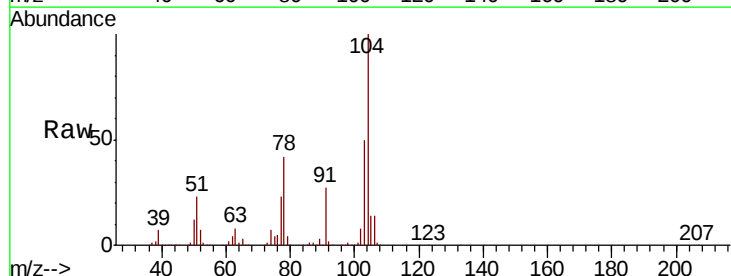
Instrument :
MSVOA_Y
ClientSampled :

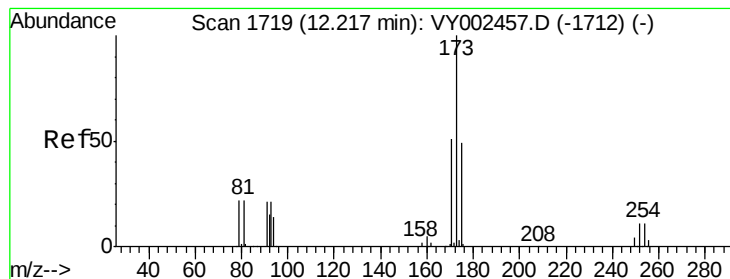
Tot Ion:106 Resp: 689715
Ion Ratio Lower Upper
106 100
91 210.8 104.5 313.3



#70
Styrene
Concen: 148.301 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:104 Resp: 1218070
Ion Ratio Lower Upper
104 100
78 48.1 38.0 57.0
103 54.8 44.4 66.6





#71

Bromoform

Concen: 159.774 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

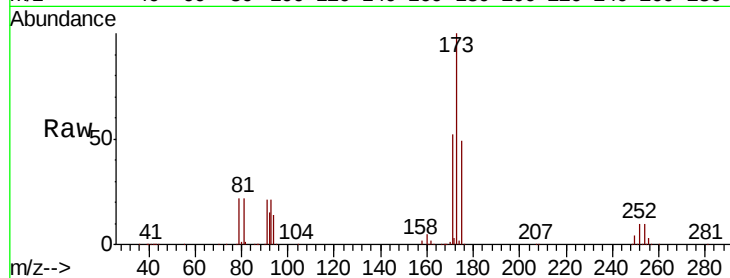
Tot Ion:173 Resp: 277016

Ion Ratio Lower Upper

173 100

175 49.0 24.3 73.0

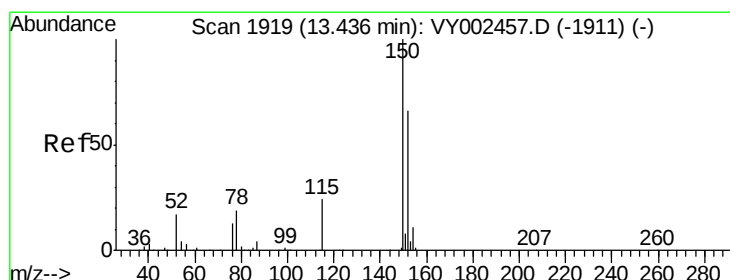
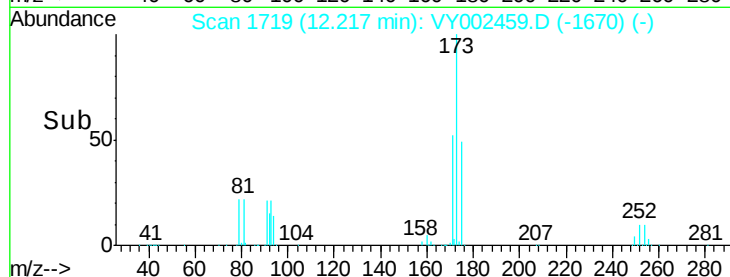
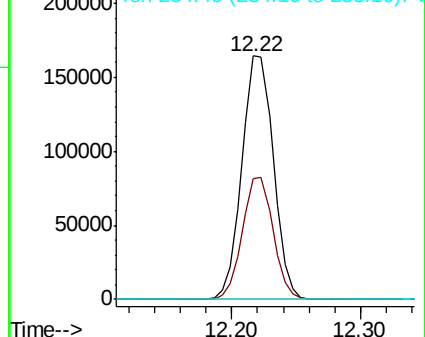
254 0.1 0.1 0.1#



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: 13.44 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

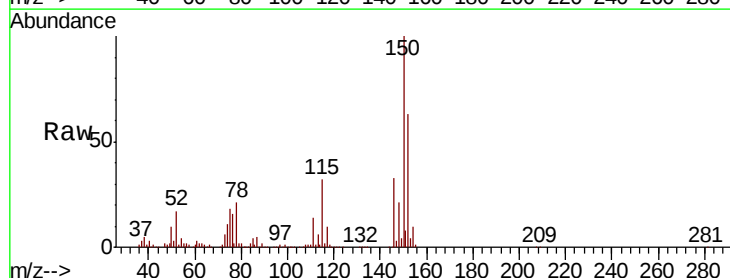
Tgt Ion:152 Resp: 175658

Ion Ratio Lower Upper

152 100

115 53.4 27.3 81.8

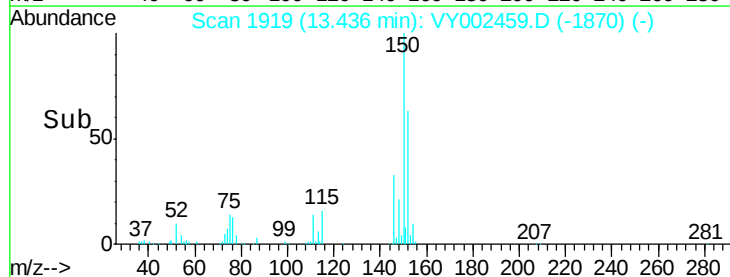
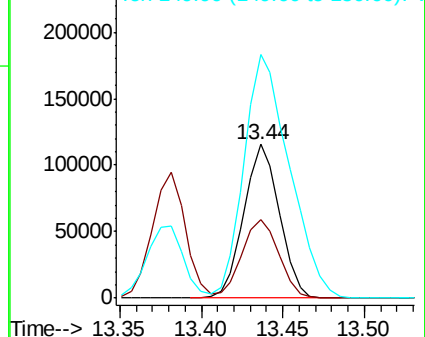
150 202.4 0.0 346.8

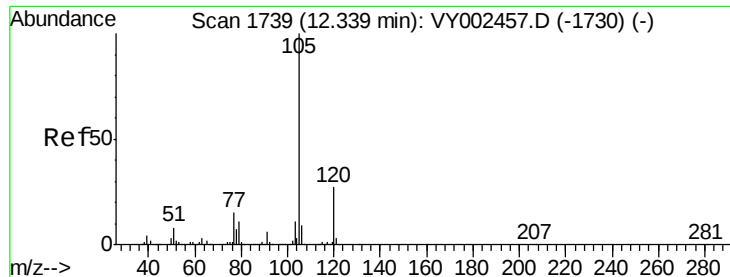


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

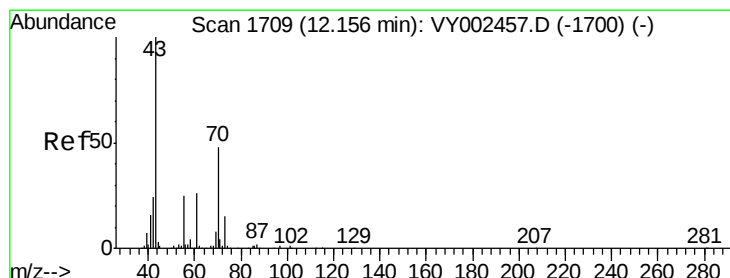
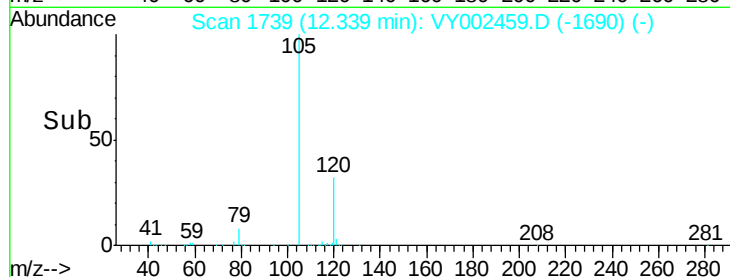
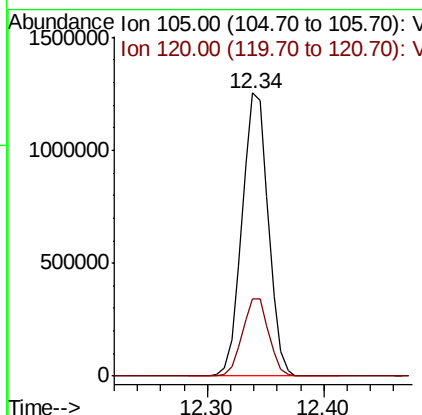
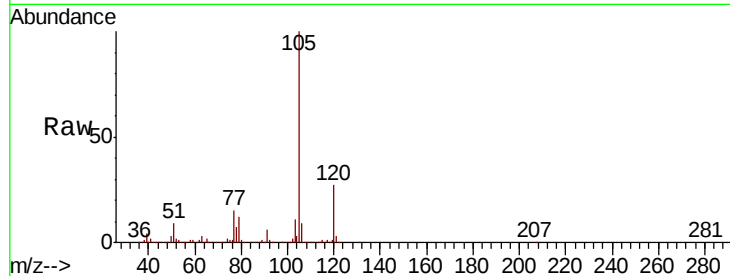




#73
Isopropylbenzene
Concen: 174.182 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

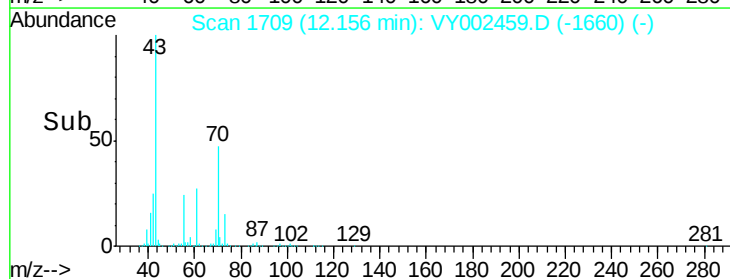
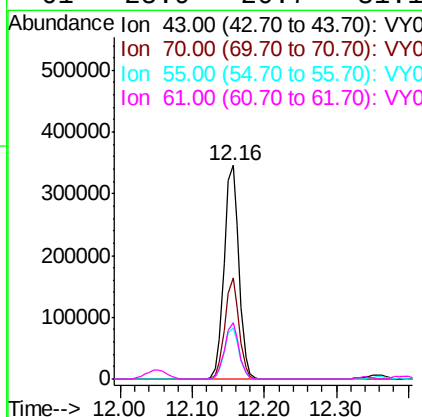
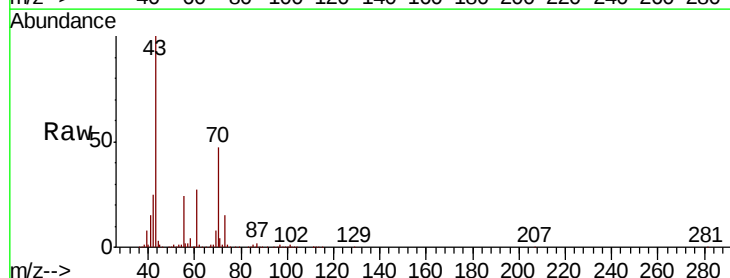
Instrument :
MSVOA_Y
ClientSampled :

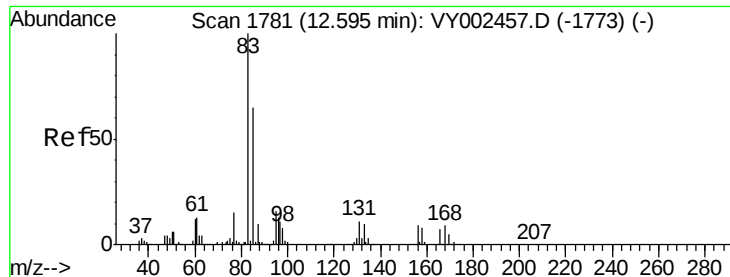
Tot Ion:105 Resp: 1976195
Ion Ratio Lower Upper
105 100
120 27.5 13.6 40.7



#74
N-ethyl acetate
Concen: 187.086 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 43 Resp: 494187
Ion Ratio Lower Upper
43 100
70 45.5 37.2 55.8
55 23.8 19.6 29.4
61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 181.414 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampled :

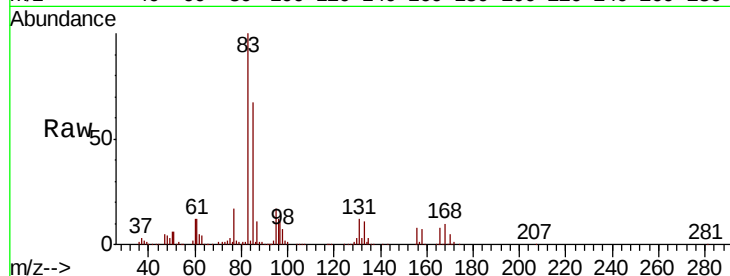
Tot Ion: 83 Resp: 311689

Ion Ratio Lower Upper

83 100

131 12.2 6.2 18.6

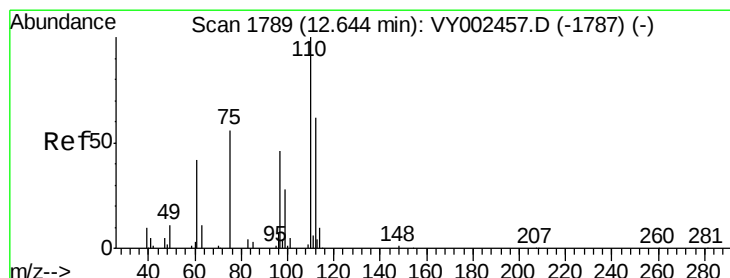
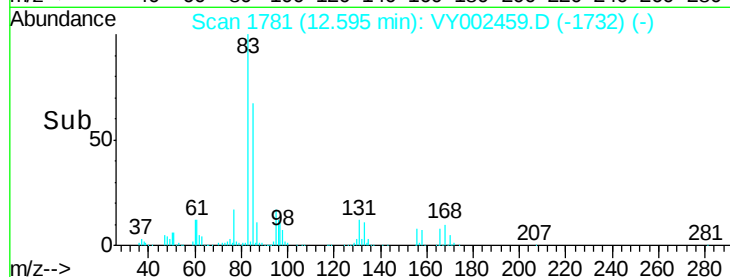
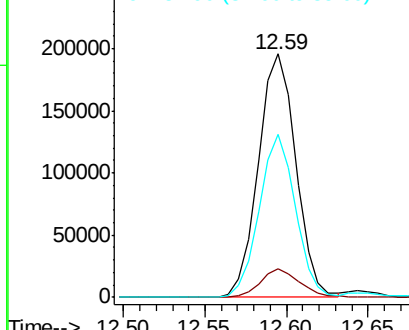
85 64.7 32.5 97.5



Abundance Ion 82.90 (82.60 to 83.60): VY002459.D (-1732) (-)

Ion 130.80 (130.50 to 131.50): VY002459.D (-1732) (-)

Ion 84.90 (84.60 to 85.60): VY002459.D (-1732) (-)



#76

1,2,3-Trichloropropane

Concen: 346.434 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VY002459.D

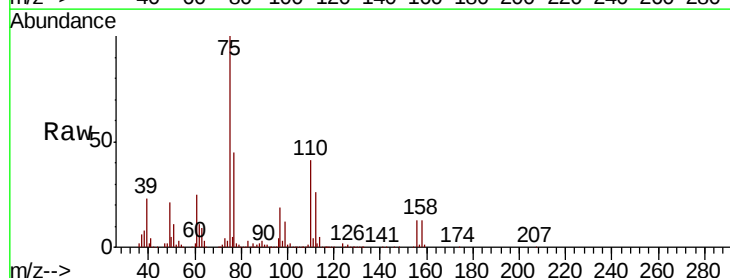
Acq: 23 Apr 2020 13:09

Tgt Ion: 75 Resp: 497320

Ion Ratio Lower Upper

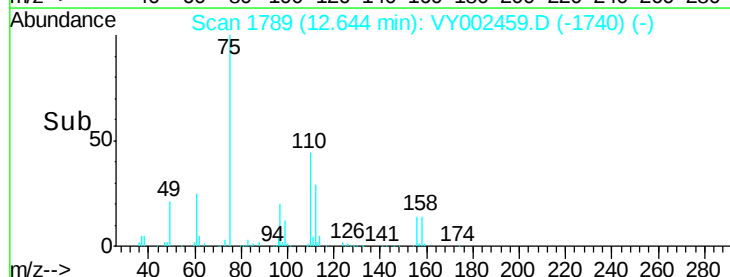
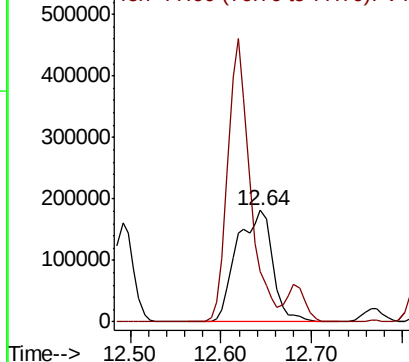
75 100

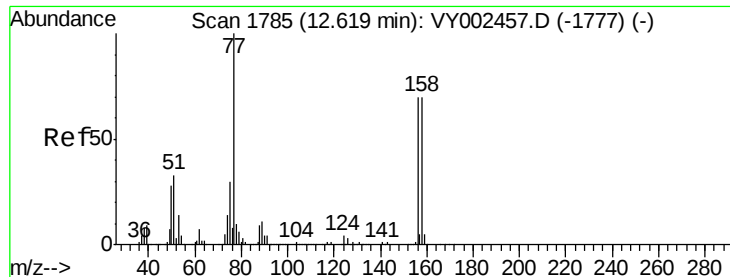
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002459.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY002459.D (-1740) (-)





#77

Bromobenzene

Concen: 174.270 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

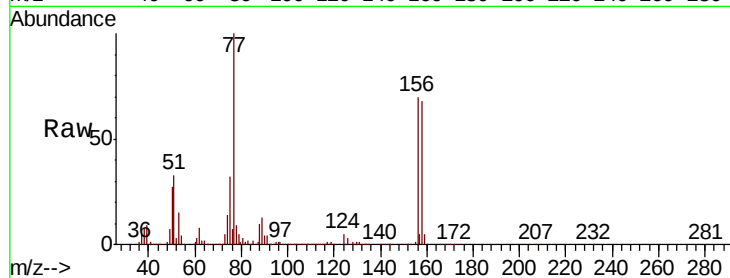
Tot Ion:156 Resp: 494584

Ion Ratio Lower Upper

156 100

77 160.1 78.5 235.7

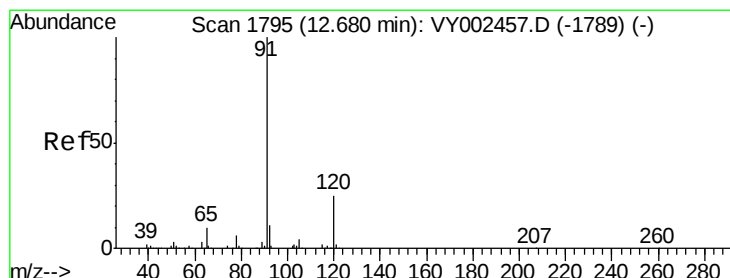
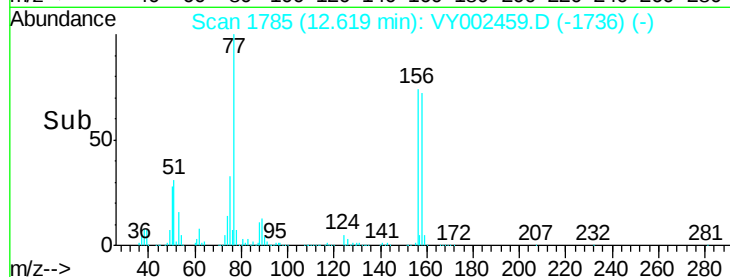
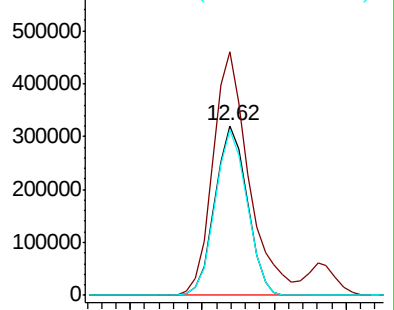
158 96.9 48.4 145.3



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: 172.399 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VY002459.D

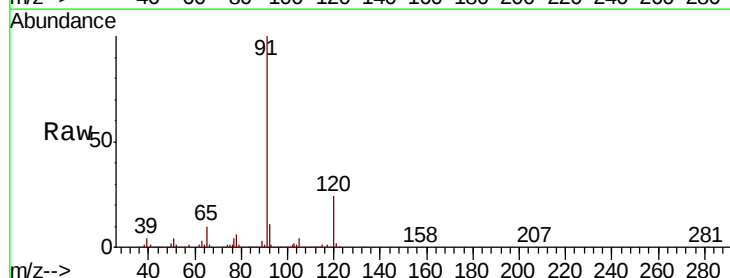
Acq: 23 Apr 2020 13:09

Tgt Ion: 91 Resp: 2273118

Ion Ratio Lower Upper

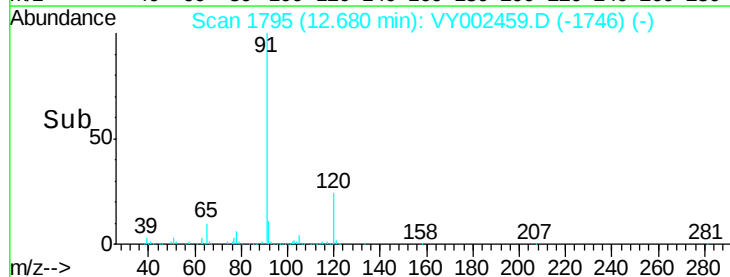
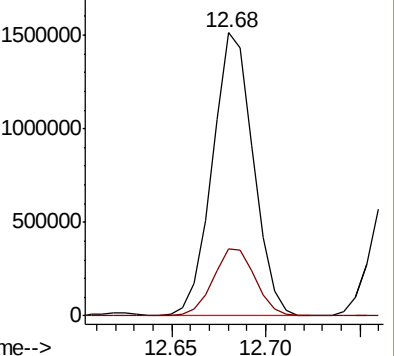
91 100

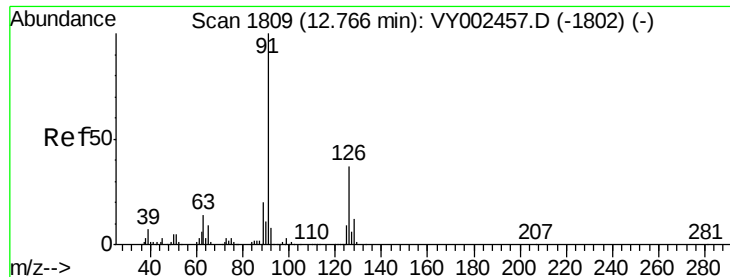
120 24.5 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 174.687 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

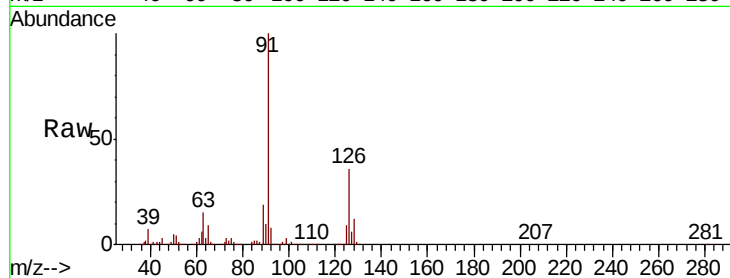
ClientSampleId :

Tot Ion: 91 Resp: 1256263

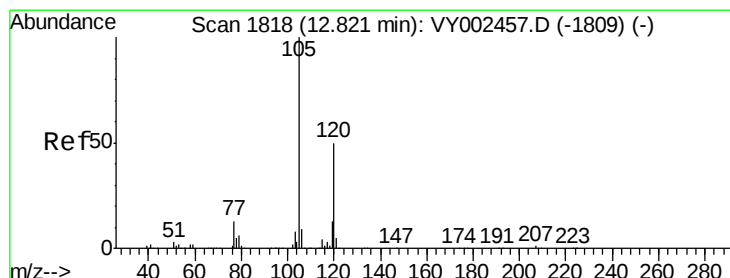
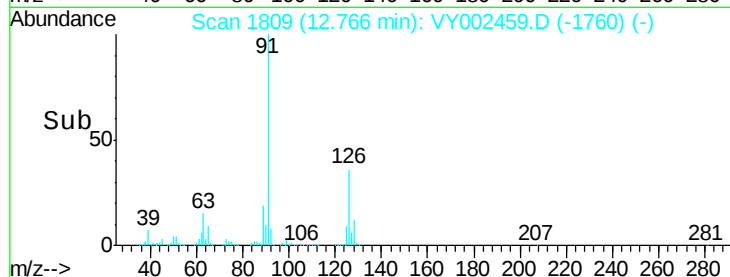
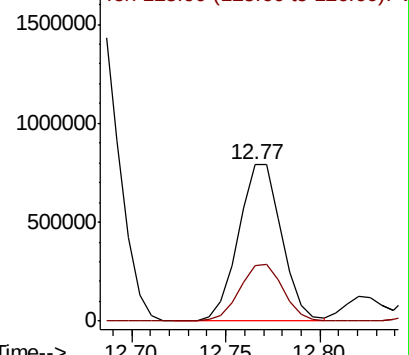
Ion Ratio Lower Upper

91 100

126 36.7 18.5 55.5



Abundance Ion 91.00 (90.70 to 91.70): VY002459.D (-1760) (-)



#80

1,3,5-Trimethylbenzene

Concen: 171.967 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VY002459.D

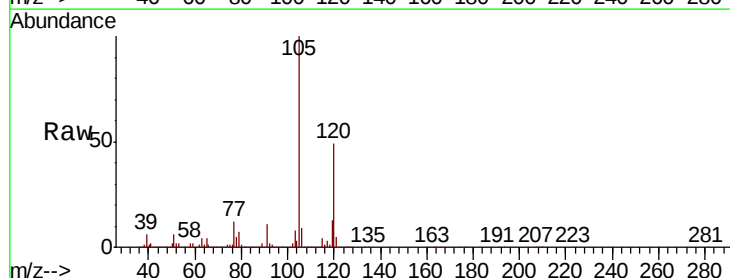
Acq: 23 Apr 2020 13:09

Tgt Ion:105 Resp: 1657356

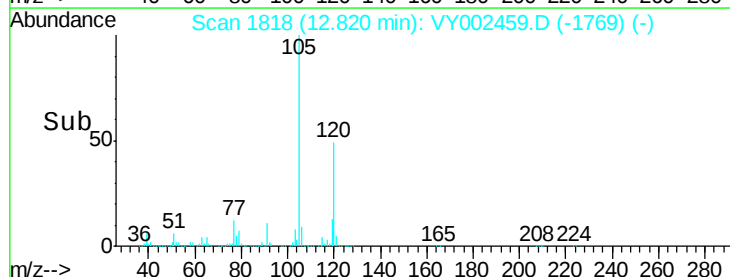
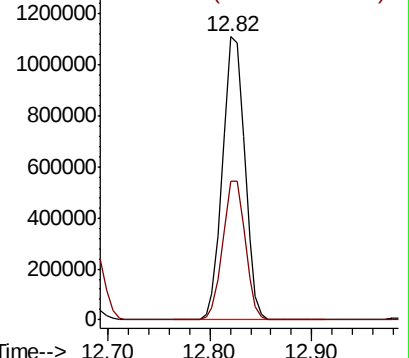
Ion Ratio Lower Upper

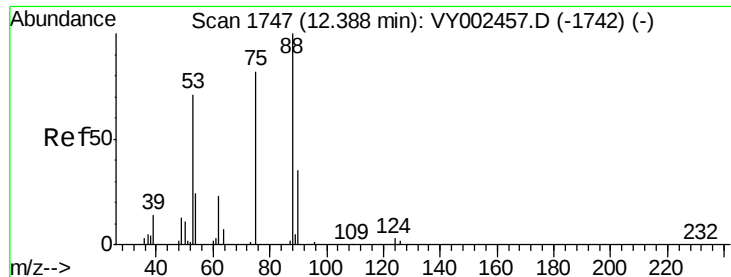
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VY002459.D (-1769) (-)

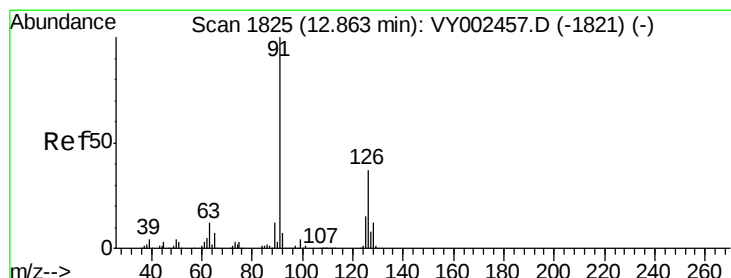
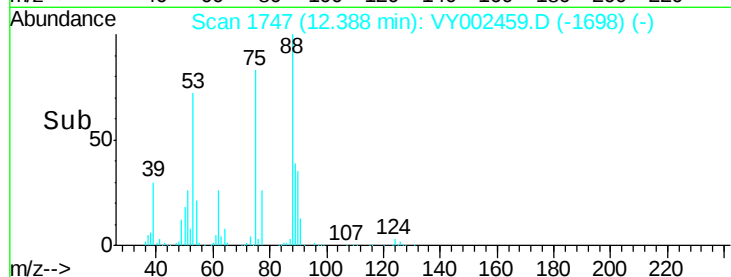
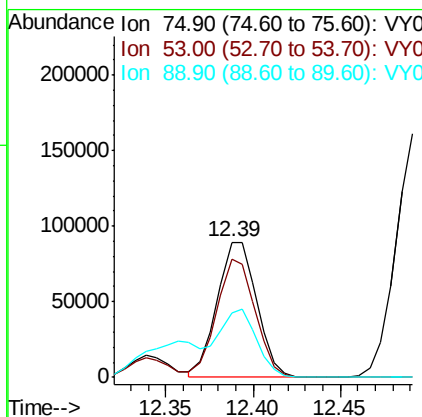
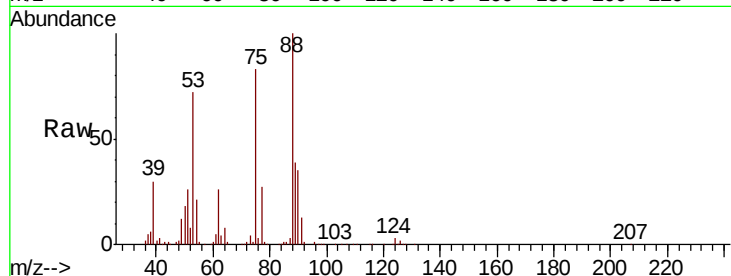




#81
trans-1,4-Dichloro-2-butene
Concen: 182.332 ug/l
RT: 12.39 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

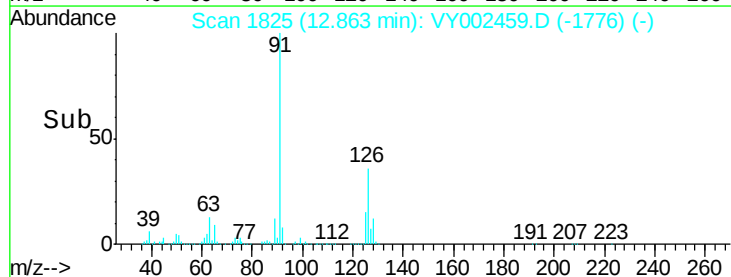
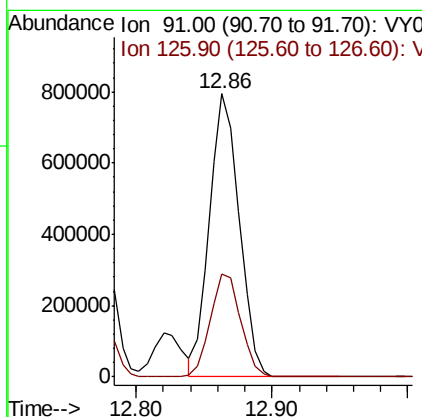
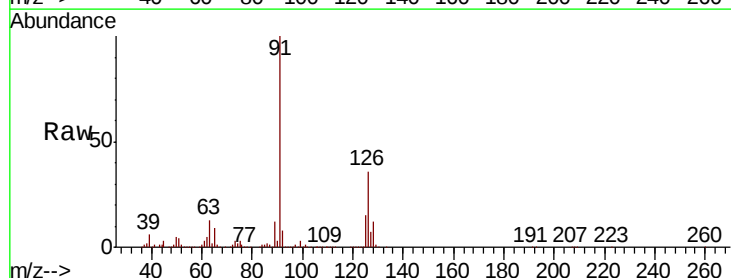
Instrument :
MSVOA_Y
ClientSampleId :

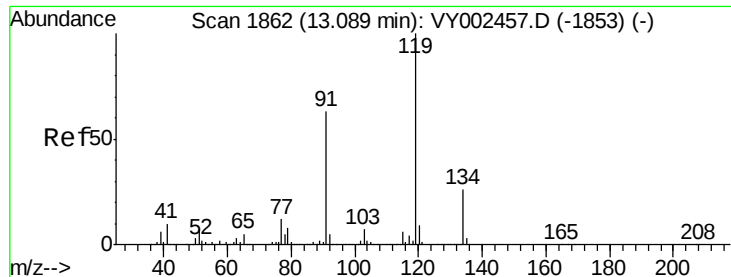
Tot Ion: 75 Resp: 140243
Ion Ratio Lower Upper
75 100
53 85.5 70.0 105.0
89 49.9 34.9 52.3



#82
4-Chlorotoluene
Concen: 159.202 ug/l
RT: 12.86 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion: 91 Resp: 1204780
Ion Ratio Lower Upper
91 100
126 37.1 18.5 55.5

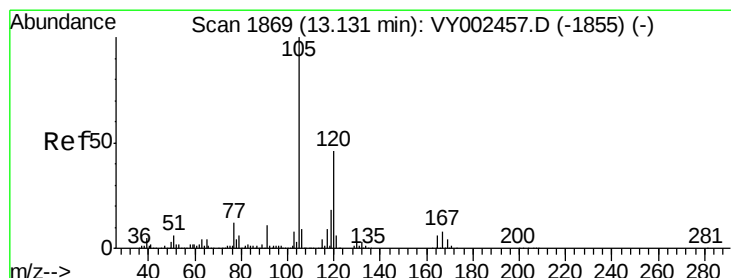
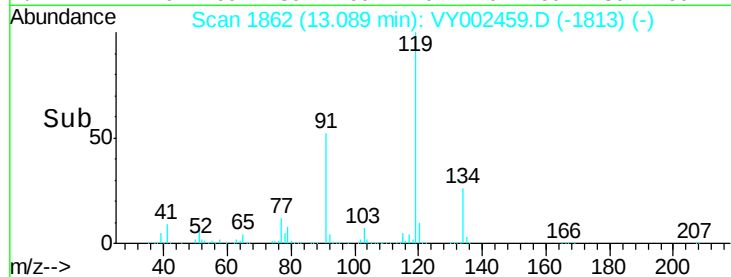
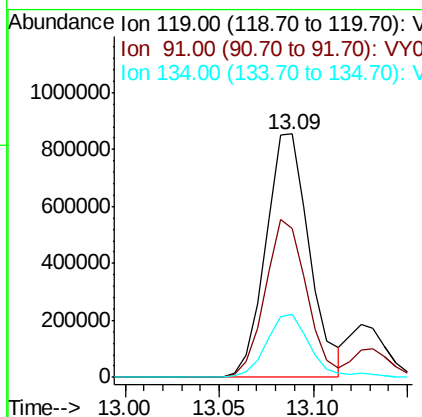
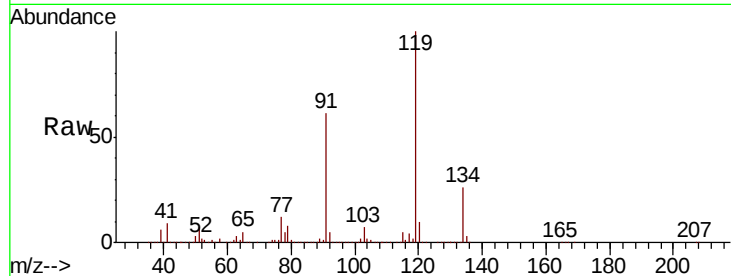




#83
tert-Butylbenzene
Concen: 161.717 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

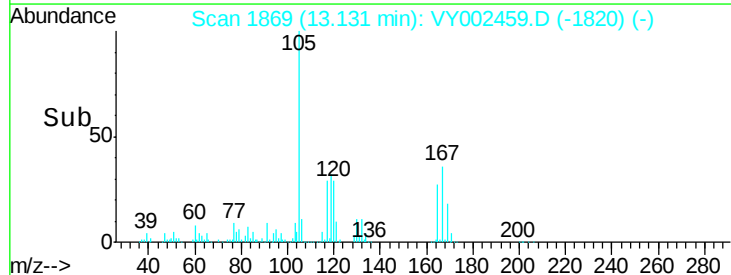
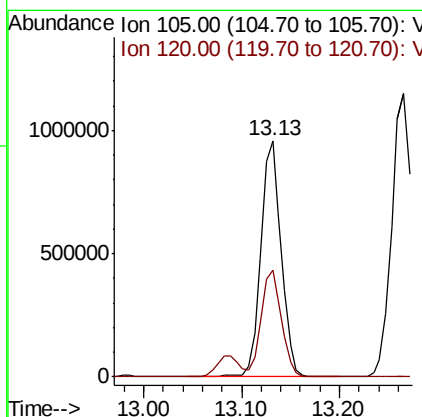
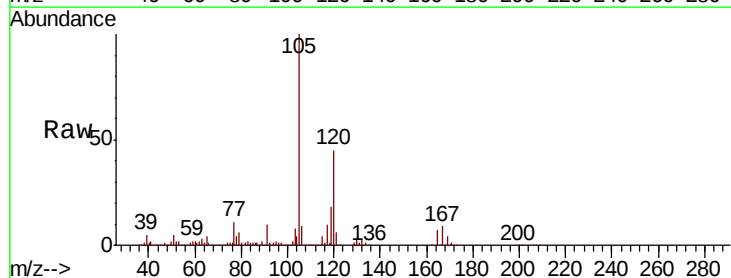
Instrument :
MSVOA_Y
ClientSampleId :

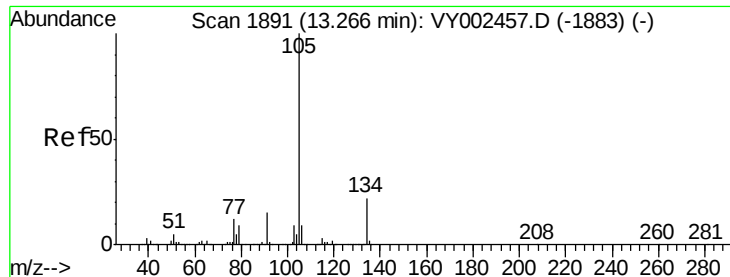
Tot Ion:119 Resp: 1369580
Ion Ratio Lower Upper
119 100
91 61.9 30.8 92.3
134 26.1 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 142.735 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:105 Resp: 1373112
Ion Ratio Lower Upper
105 100
120 44.9 23.1 69.2





#85

sec-Butylbenzene

Concen: 146.991 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

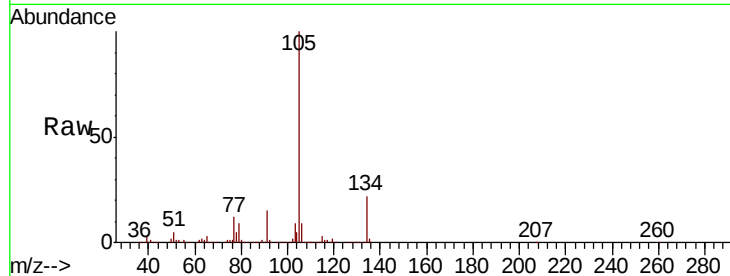
ClientSampled :

Tot Ion:105 Resp: 1698652

Ion Ratio Lower Upper

105 100

134 22.0 10.8 32.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.27

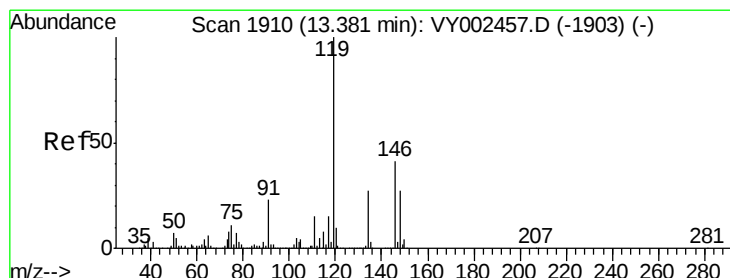
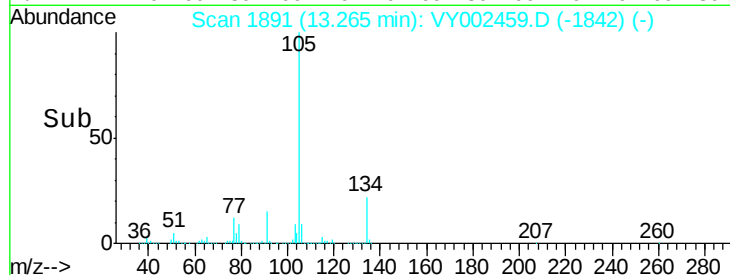
1000000

500000

0

Time-->

13.20 13.30



#86

p-Isopropyltoluene

Concen: 152.393 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

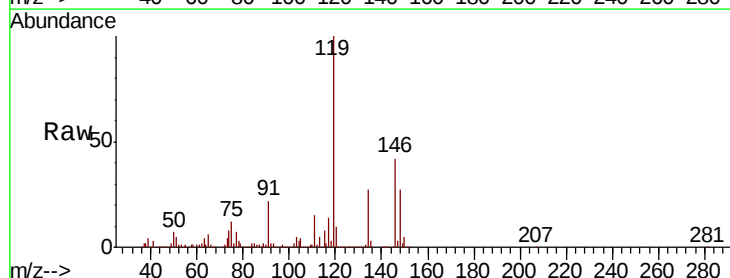
Tgt Ion:119 Resp: 1670005

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.38

1500000

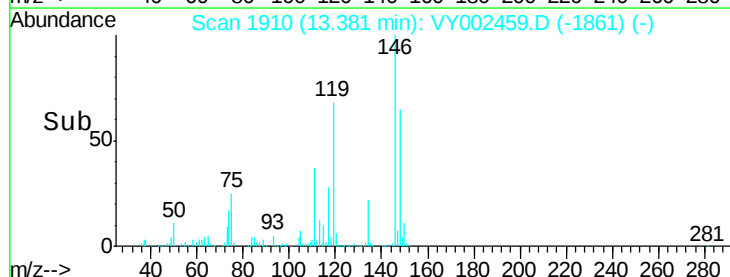
1000000

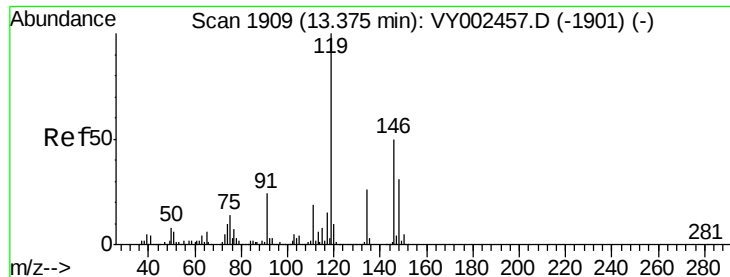
500000

0

Time-->

13.30 13.35 13.40 13.45

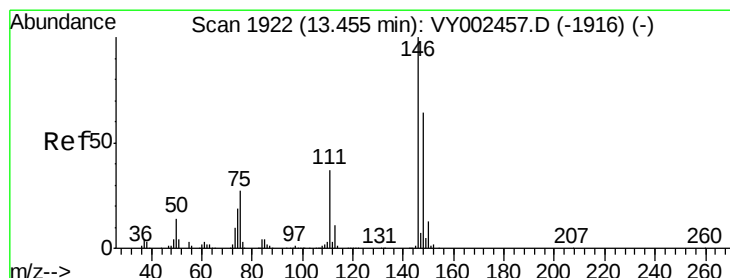
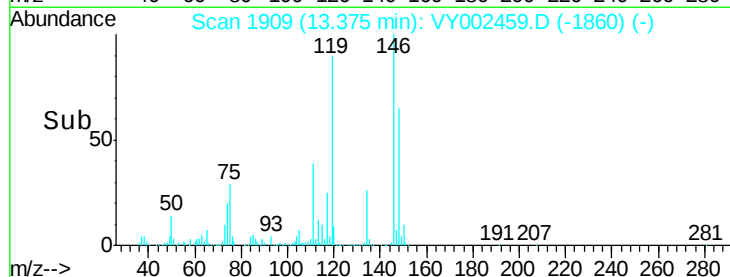
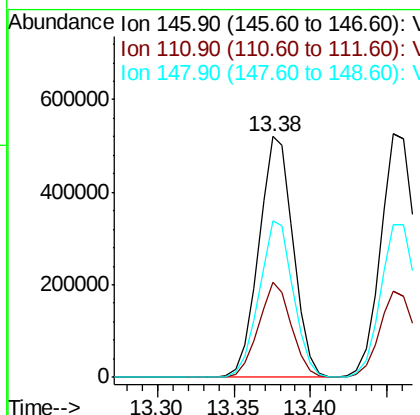
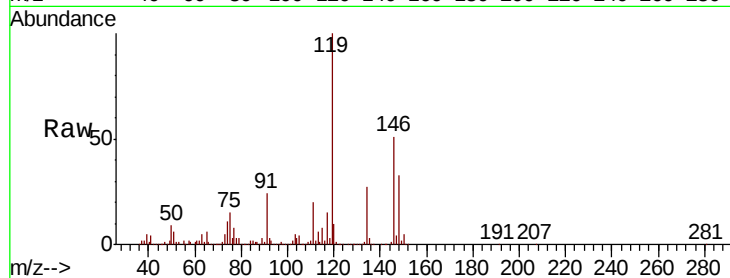




#87
 1,3-Dichlorobenzene
 Concen: 150.080 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

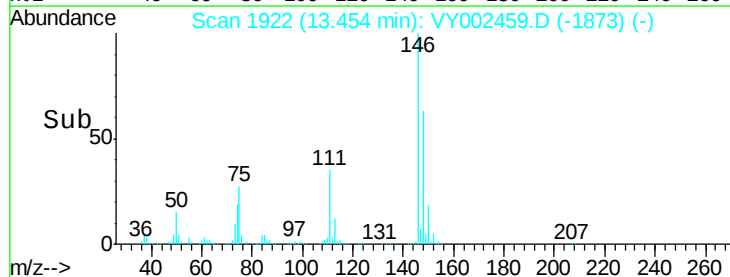
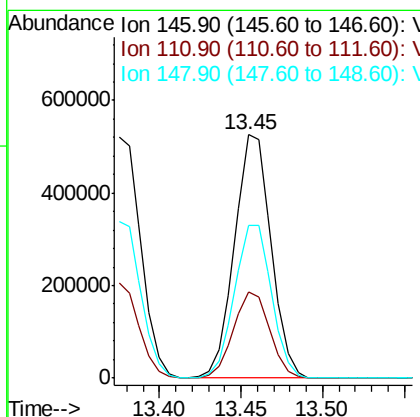
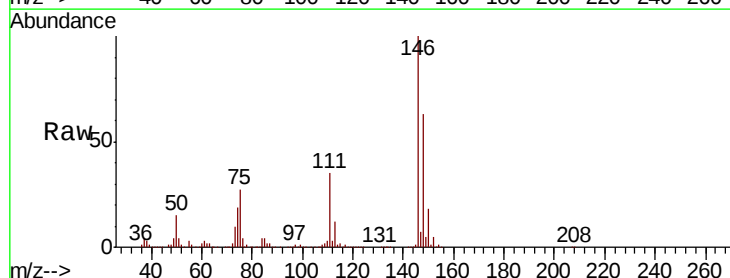
Instrument :
 MSVOA_Y
 ClientSampleId :

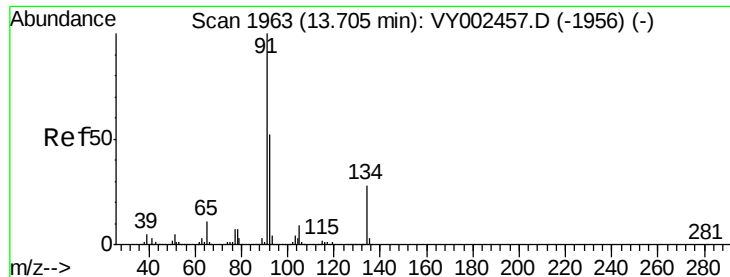
Tot Ion:146 Resp: 812468
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.2 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 153.397 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion:146 Resp: 821284
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.1 54.1
 148 64.0 32.1 96.5





#89

n-Butylbenzene

Concen: 160.183 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VY002459.D

Acq: 23 Apr 2020 13:09

Instrument :

MSVOA_Y

ClientSampled :

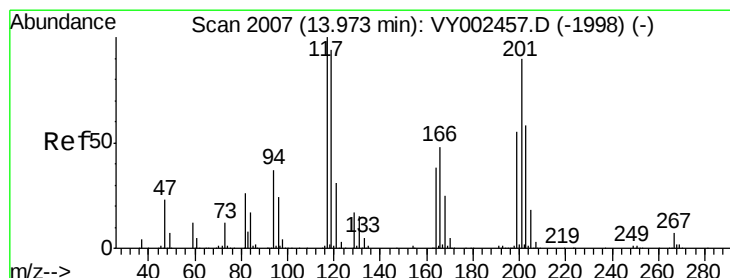
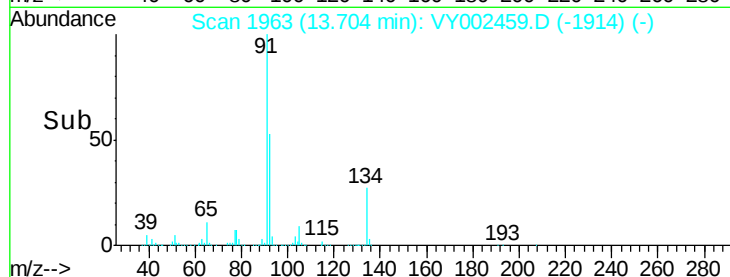
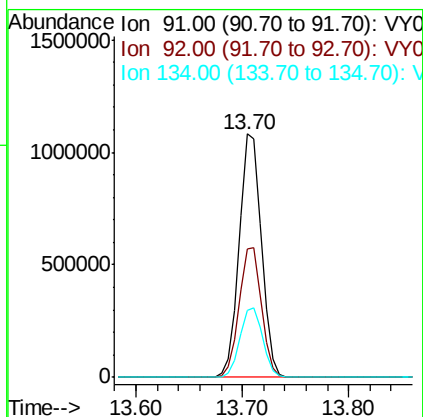
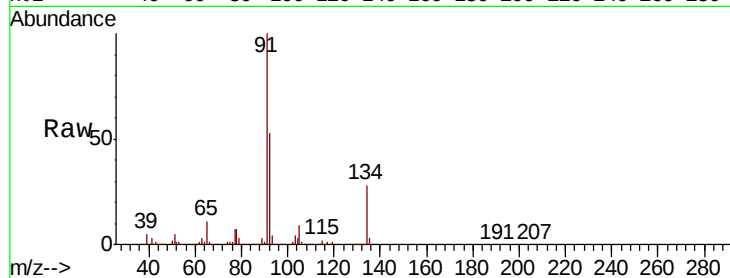
Tot Ion: 91 Resp: 1591814

Ion Ratio Lower Upper

91 100

92 53.6 26.5 79.4

134 29.0 14.3 42.9



#90

Hexachloroethane

Concen: 161.421 ug/l

RT: 13.97 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VY002459.D

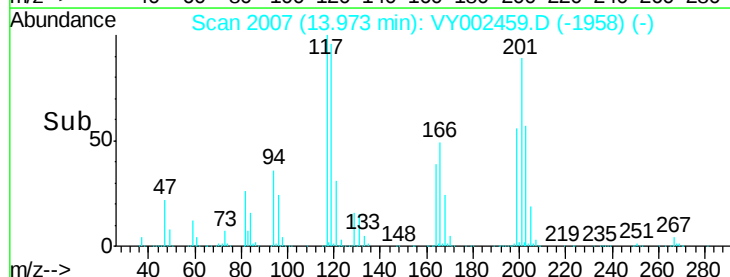
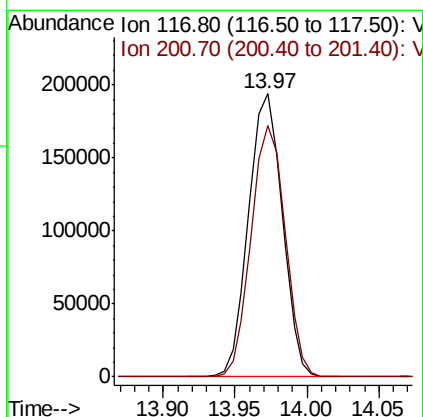
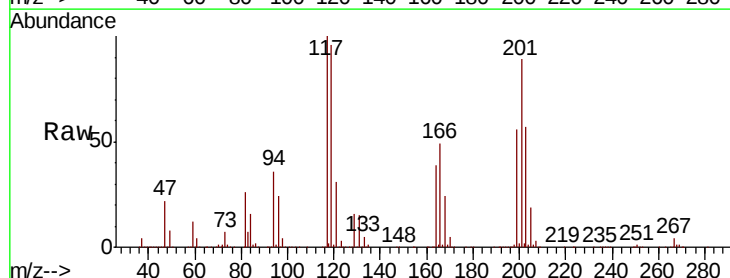
Acq: 23 Apr 2020 13:09

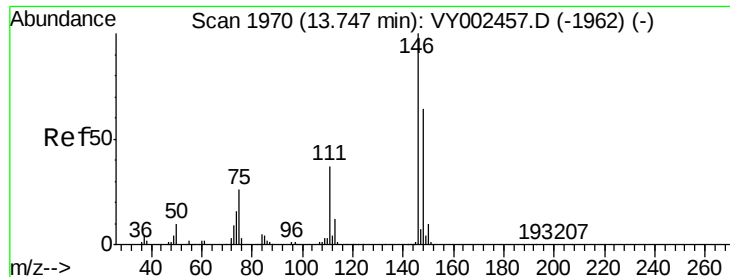
Tgt Ion: 117 Resp: 315408

Ion Ratio Lower Upper

117 100

201 89.5 44.4 133.1

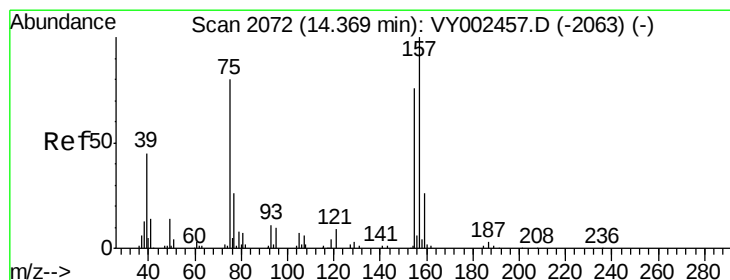
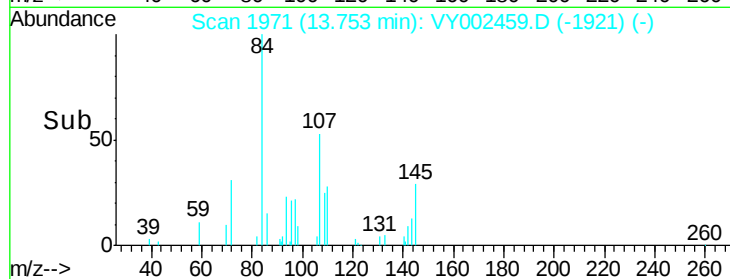
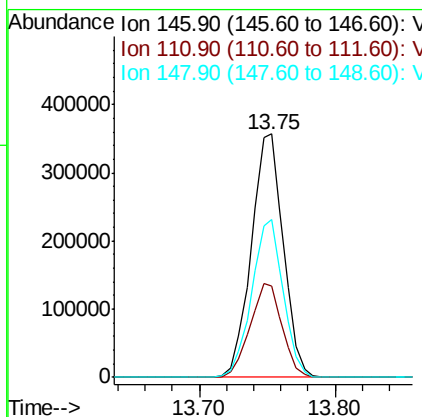
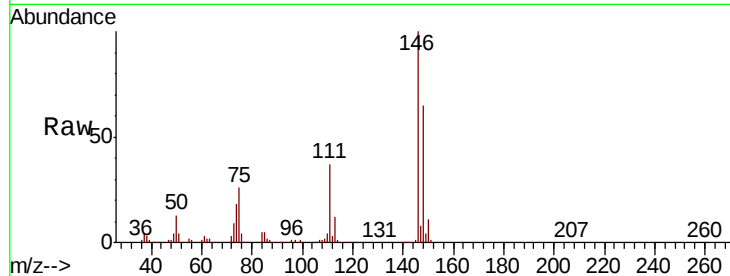




#91
 1,2-Dichlorobenzene
 Concen: 121.888 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

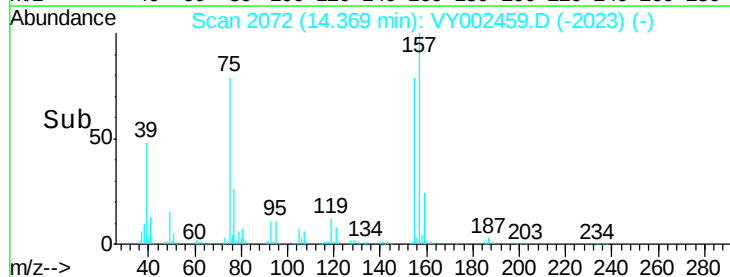
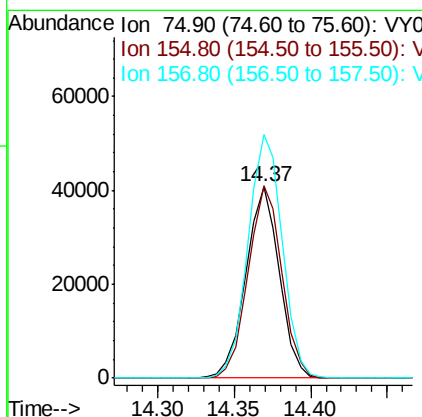
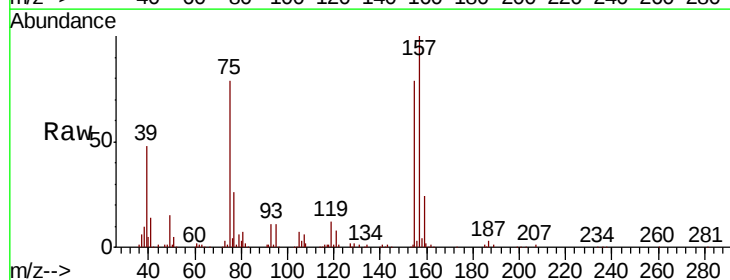
Instrument :
 MSVOA_Y
 ClientSampleId :

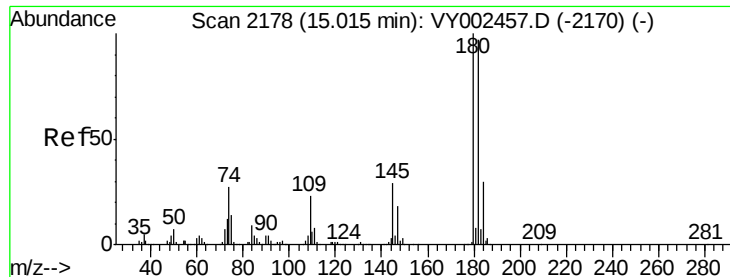
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.9
148	63.7	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 182.310 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	49.6	149.0
157	130.3	62.6	187.9

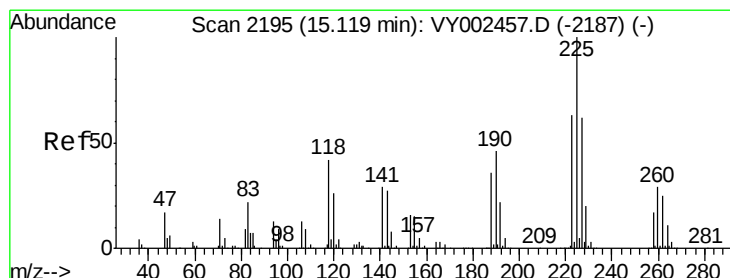
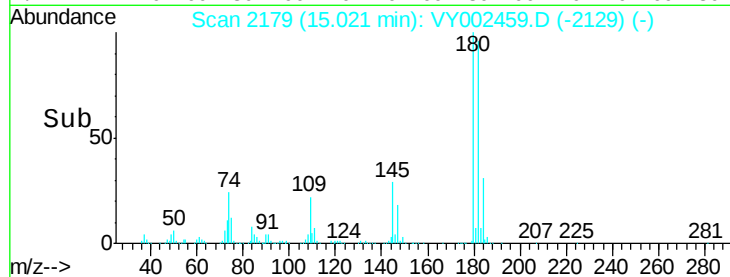
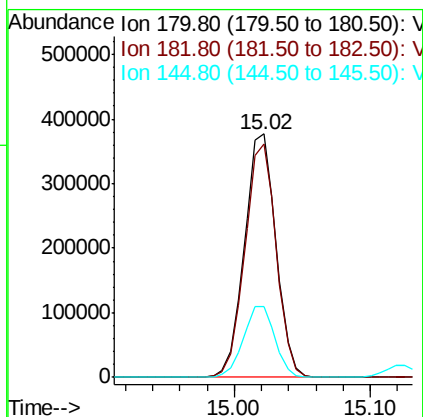
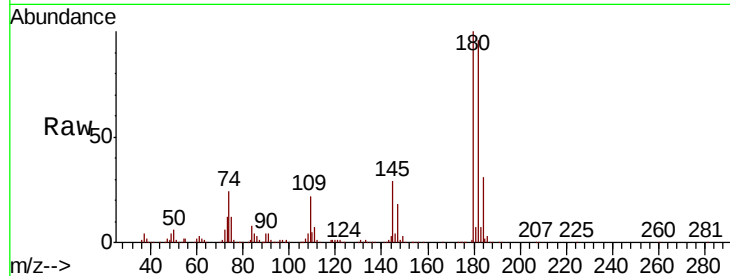




#93
 1,2,4-Trichlorobenzene
 Concen: 170.382 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

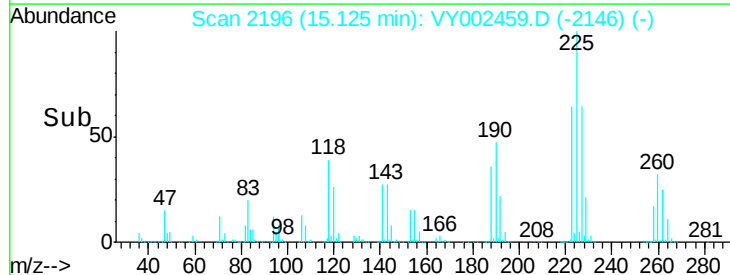
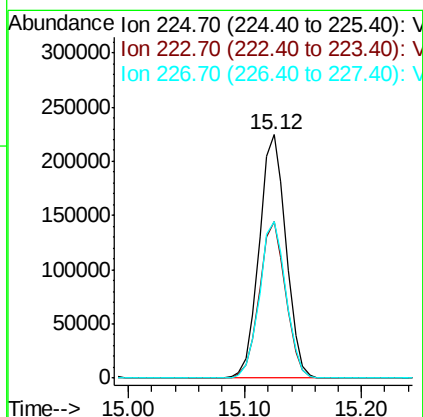
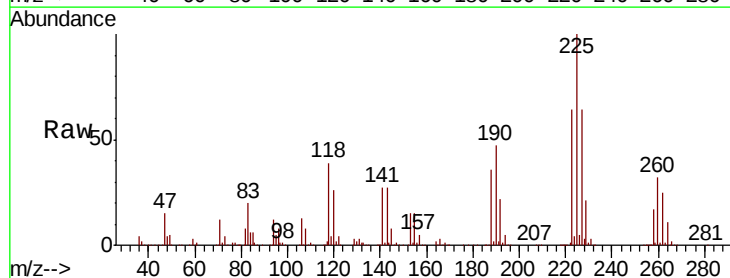
Instrument :
 MSVOA_Y
 ClientSampled :

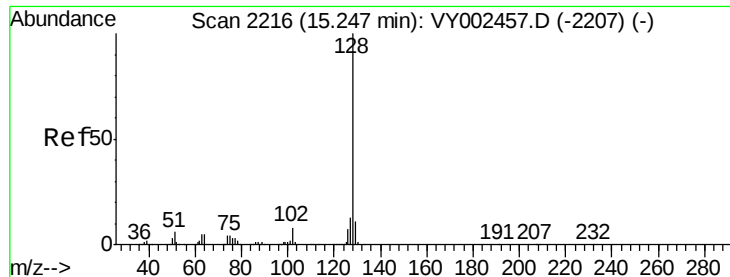
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.9	143.7
145	29.2	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 165.571 ug/l
 RT: 15.12 min Scan# 2196
 Delta R.T. 0.01 min
 Lab File: VY002459.D
 Acq: 23 Apr 2020 13:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.1	93.3
227	63.6	31.5	94.5

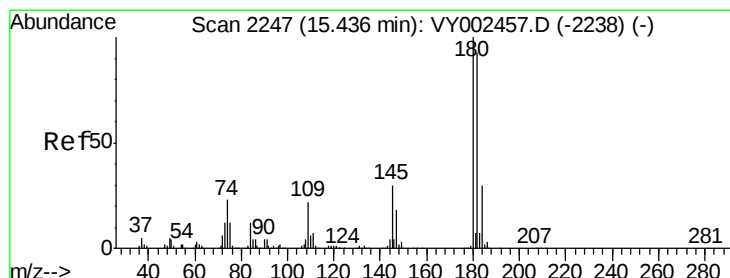
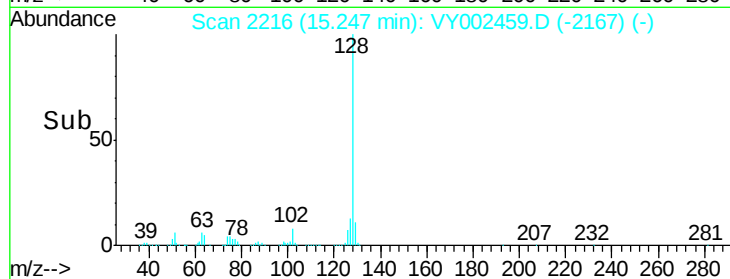
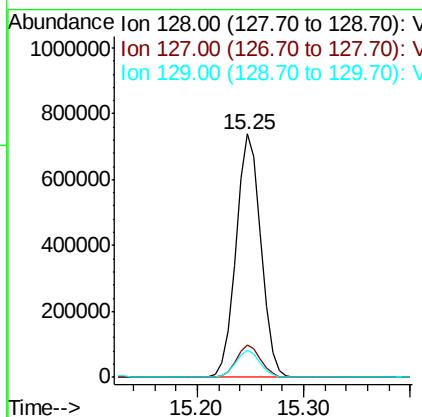
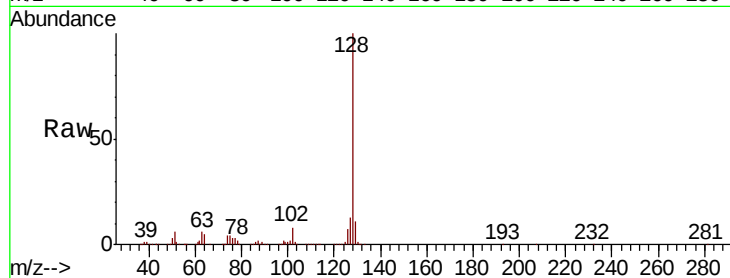




#95
Naphthalene
Concen: 184.398 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Instrument :
MSVOA_Y
ClientSampleId :

Tot Ion:128 Resp: 1207689
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 175.102 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY002459.D
Acq: 23 Apr 2020 13:09

Tgt Ion:180 Resp: 527927
Ion Ratio Lower Upper
180 100
182 95.0 47.5 142.6
145 30.2 15.3 45.9

