

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
 Data File : VY001022.D
 Acq On : 23 Dec 2019 12:26
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

Quant Time: Dec 24 04:41:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	347366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	598768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	530508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	242254	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	176463	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	
35) Dibromofluoromethane	7.72	113	183117	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	10.18	98	762200	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	
62) 4-Bromofluorobenzene	12.48	95	249633	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	148107	48.931	ug/l	96
3) Chloromethane	2.12	50	197055	47.834	ug/l	96
4) Vinyl Chloride	2.26	62	192224	48.048	ug/l	99
5) Bromomethane	2.65	94	121941	48.373	ug/l	100
6) Chloroethane	2.79	64	119650	48.018	ug/l	97
7) Trichlorofluoromethane	3.13	101	285709	48.690	ug/l	95
8) Diethyl Ether	3.54	74	114648	47.864	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.90	101	188671	48.948	ug/l	98
10) Methyl Iodide	4.09	142	267920	50.308	ug/l	99
11) Tert butyl alcohol	4.96	59	85411	226.736	ug/l	99
12) 1,1-Dichloroethene	3.88	96	195683	50.144	ug/l	92
13) Acrolein	3.74	56	117359	251.443	ug/l	99
14) Allyl chloride	4.49	41	291446	48.075	ug/l	99
15) Acrylonitrile	5.17	53	287954	240.542	ug/l	99
16) Acetone	3.96	43	177833	225.317	ug/l	100
17) Carbon Disulfide	4.19	76	637444	49.988	ug/l	98
18) Methyl Acetate	4.48	43	135809	44.851	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	486605	48.312	ug/l	95
20) Methylene Chloride	4.72	84	230117	49.534	ug/l	96
21) trans-1,2-Dichloroethene	5.22	96	218463	50.514	ug/l	97
22) Diisopropyl ether	6.13	45	568238	46.373	ug/l	99
23) Vinyl Acetate	6.07	43	1834223	237.021	ug/l	100
24) 1,1-Dichloroethane	6.02	63	345323	47.688	ug/l	100
25) 2-Butanone	6.99	43	316520	228.283	ug/l	95
26) 2,2-Dichloropropane	6.99	77	282934	47.557	ug/l	97
27) cis-1,2-Dichloroethene	6.99	96	230328	48.476	ug/l	99
28) Bromochloromethane	7.34	49	144557	51.164	ug/l	96
29) Tetrahydrofuran	7.35	42	227031	230.192	ug/l	98
30) Chloroform	7.52	83	330274	48.235	ug/l	100
31) Cyclohexane	7.79	56	353460	46.420	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	285010	48.795	ug/l	98
36) 1,1-Dichloropropene	7.93	75	282831	49.514	ug/l	99
37) Ethyl Acetate	7.08	43	152458	48.202	ug/l	99
38) Carbon Tetrachloride	7.91	117	251400	50.233	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	391097	51.558	ug/l	97
40) Benzene	8.17	78	855216	49.627	ug/l	99
41) Methacrylonitrile	7.35	41	193367	141.012	ug/l #	100
42) 1,2-Dichloroethane	8.24	62	202431	49.133	ug/l	100
43) Isopropyl Acetate	8.28	43	281606	48.096	ug/l	99
44) Trichloroethene	8.94	130	223492	49.222	ug/l	100
45) 1,2-Dichloropropane	9.22	63	209110	48.370	ug/l	99
46) Dibromomethane	9.31	93	110614	49.635	ug/l	99
47) Bromodichloromethane	9.50	83	255687	49.532	ug/l	98
48) Methyl methacrylate	9.30	41	119368	47.775	ug/l	95
49) 1,4-Dioxane	9.30	88	31843	976.784	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	724649	237.455	ug/l	100
52) Toluene	10.24	92	529256	49.898	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	281705	50.283	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	332893	49.416	ug/l	100
55) 1,1,2-Trichloroethane	10.64	97	163273	49.076	ug/l	94
56) Ethyl methacrylate	10.51	69	239945	50.674	ug/l	98
57) 1,3-Dichloropropane	10.79	76	280881	48.166	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	434124	237.375	ug/l	99
59) 2-Hexanone	10.83	43	512941	242.913	ug/l	99
60) Dibromochloromethane	10.99	129	180442	50.775	ug/l	100
61) 1,2-Dibromoethane	11.09	107	157778	49.593	ug/l	100
64) Tetrachloroethene	10.72	164	228338	49.745	ug/l	99
65) Chlorobenzene	11.52	112	544288	49.461	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	183887	50.637	ug/l	98
67) Ethyl Benzene	11.59	91	997309	50.386	ug/l	99
68) m/p-Xylenes	11.70	106	756645	100.679	ug/l	100
69) o-Xylene	12.03	106	359994	50.917	ug/l	99
70) Styrene	12.04	104	617437	51.359	ug/l	99
71) Bromoform	12.20	173	104600	51.729	ug/l #	99
73) Isopropylbenzene	12.33	105	949773	50.663	ug/l	99
74) N-amyl acetate	12.14	43	244037	49.551	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	180779	48.950	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	256349	85.836	ug/l #	100
77) Bromobenzene	12.61	156	210978	50.040	ug/l	99
78) n-propylbenzene	12.67	91	1162233	50.879	ug/l	99
79) 2-Chlorotoluene	12.75	91	628602	49.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	786301	51.170	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	71309	50.924	ug/l	99
82) 4-Chlorotoluene	12.85	91	648209	49.471	ug/l	100
83) tert-Butylbenzene	13.07	119	651563	50.512	ug/l	98
84) 1,2,4-Trimethylbenzene	13.11	105	775160	50.199	ug/l	100
85) sec-Butylbenzene	13.25	105	964925	50.742	ug/l	99
86) p-Isopropyltoluene	13.36	119	845279	51.370	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	413181	51.025	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	411539	50.380	ug/l	99
89) n-Butylbenzene	13.69	91	850191	51.355	ug/l	99
90) Hexachloroethane	13.95	117	160660	51.824	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	374092	50.082	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	30144	48.786	ug/l	98

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QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

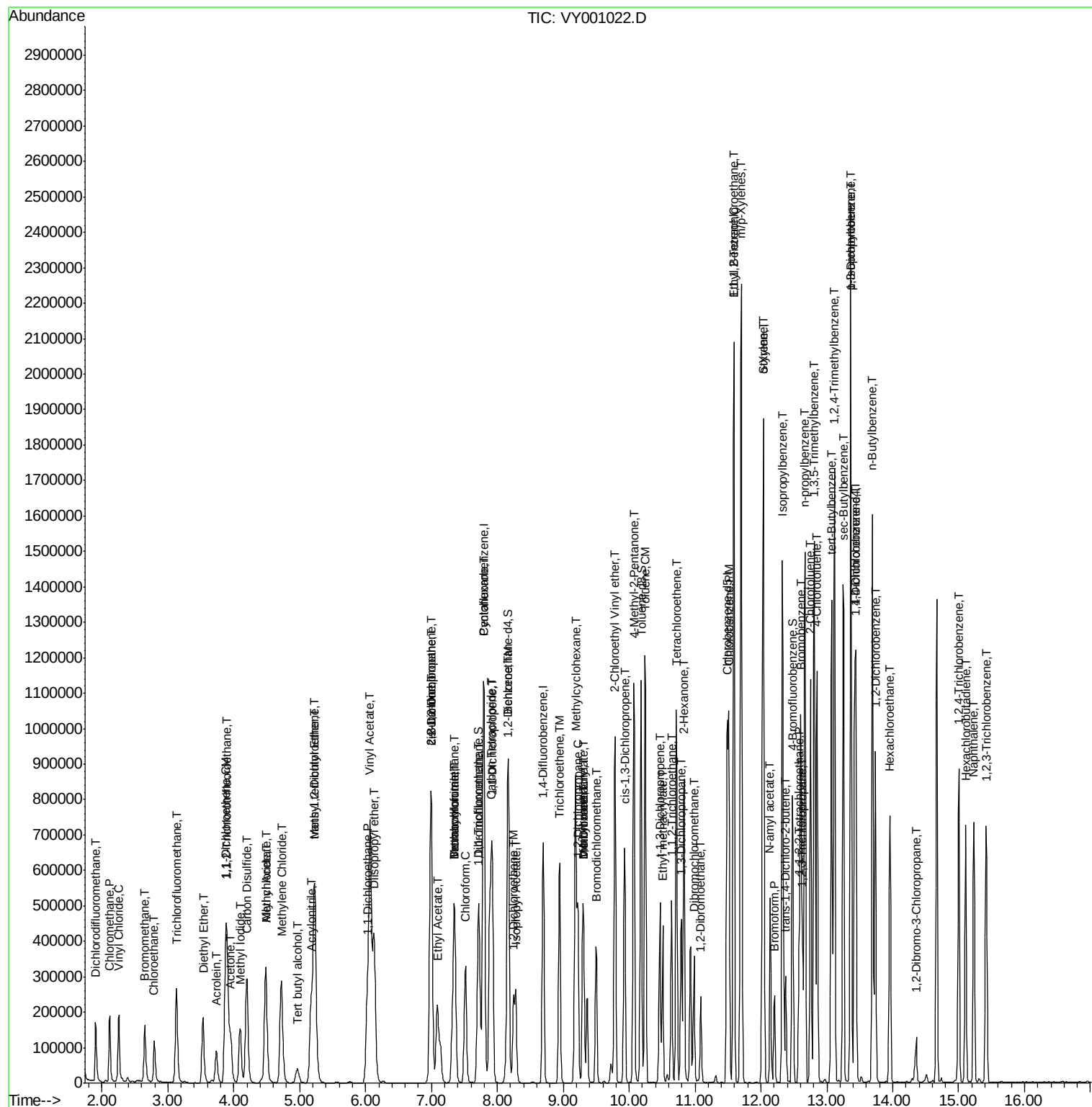
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	260732	51.714	ug/l	99
94) Hexachlorobutadiene	15.11	225	122407	51.019	ug/l	100
95) Naphthalene	15.23	128	615790	51.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	234742	52.208	ug/l	98

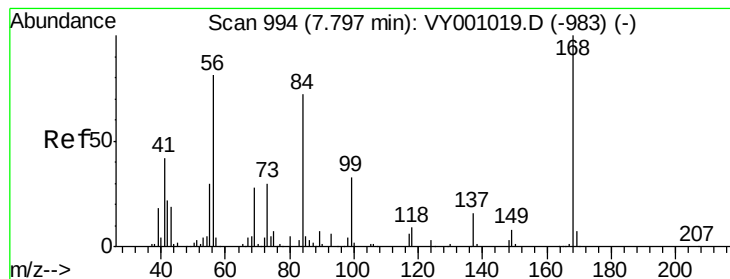
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY122319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

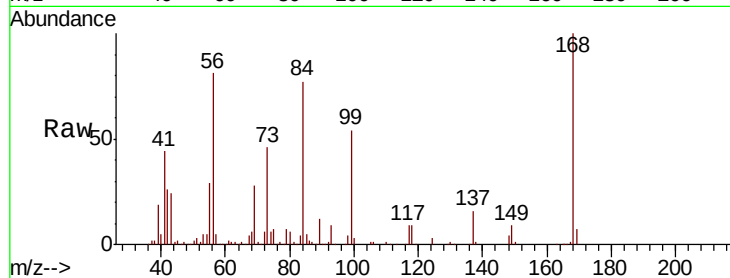
ICVVY122319

Tot Ion:168 Resp: 347366

Ion Ratio Lower Upper

168 100

99 53.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VY001019.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001019.D (-983) (-)

7.80

150000

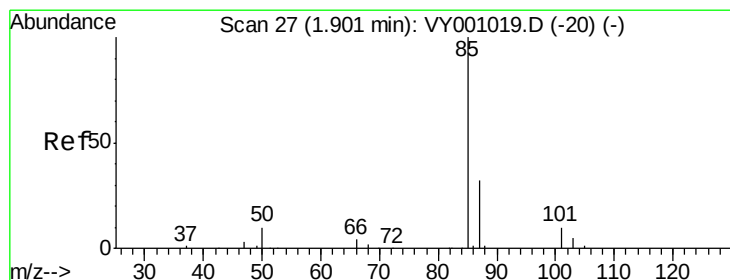
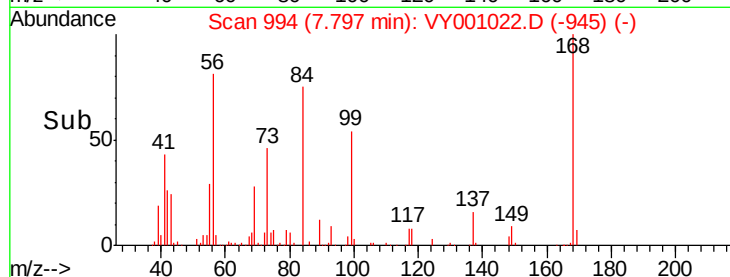
100000

50000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 48.931 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001022.D

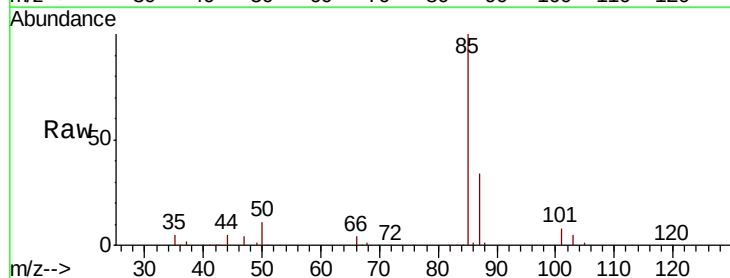
Acq: 23 Dec 2019 12:26

Tgt Ion: 85 Resp: 148107

Ion Ratio Lower Upper

85 100

87 34.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001019.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY001019.D (-20) (-)

1.90

100000

80000

60000

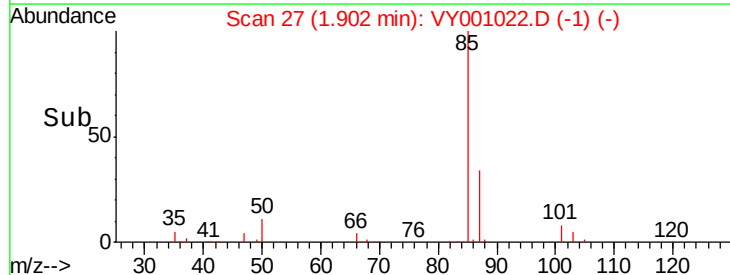
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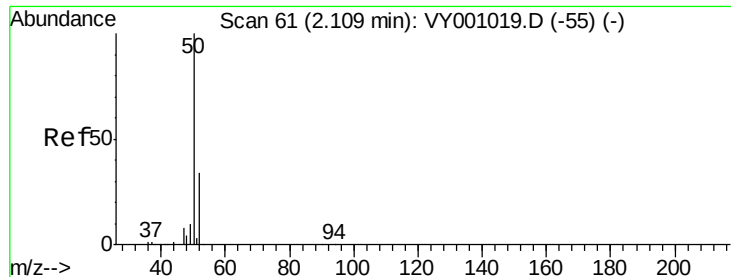
20000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 47.834 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

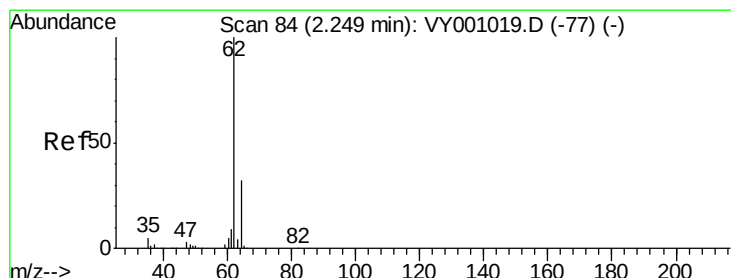
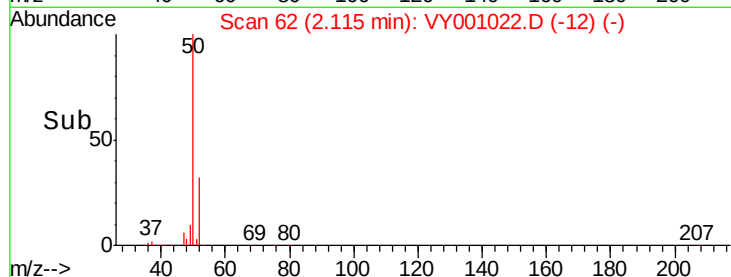
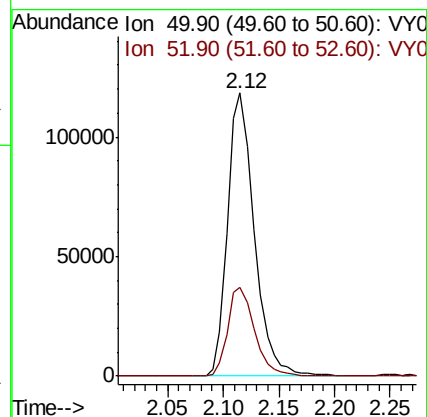
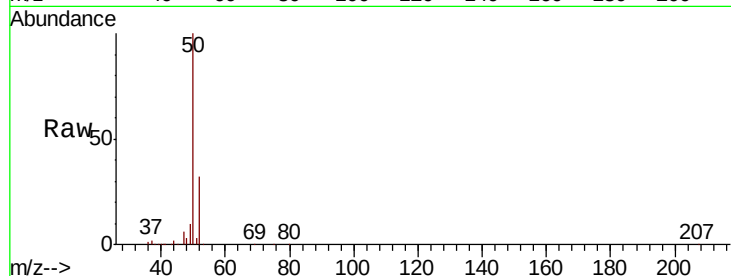
ICVVY122319

Tot Ion: 50 Resp: 197055

Ion Ratio Lower Upper

50 100

52 31.6 27.1 40.7



#4

Vinyl Chloride

Concen: 48.048 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001022.D

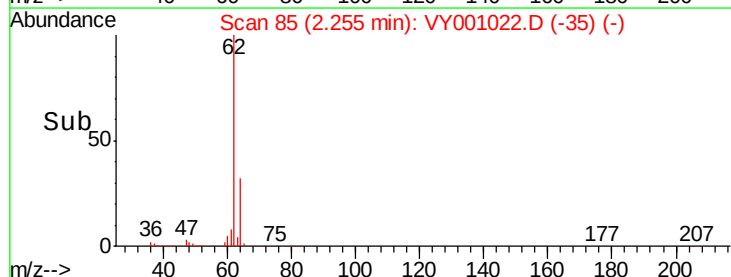
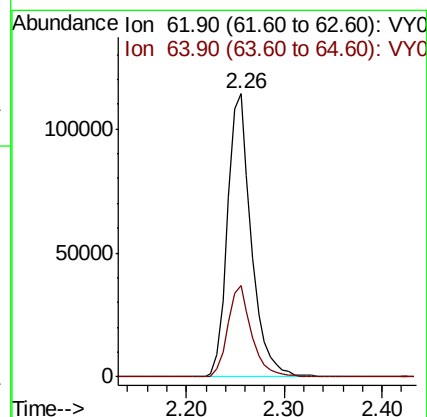
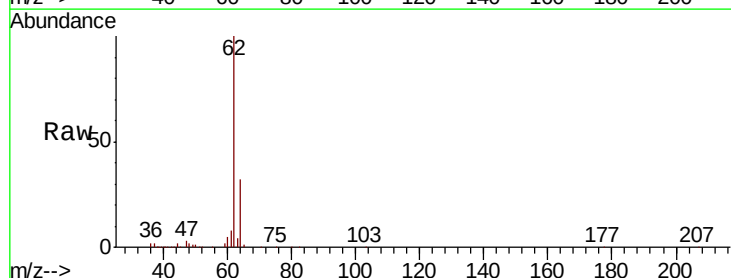
Acq: 23 Dec 2019 12:26

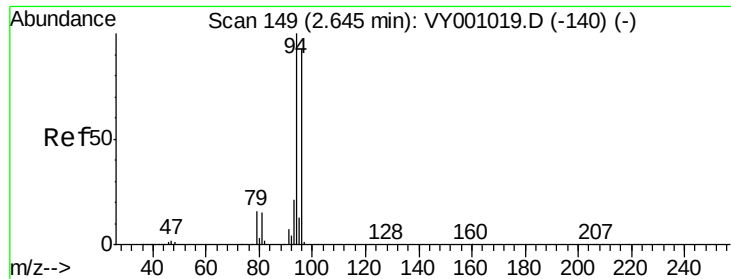
Tgt Ion: 62 Resp: 192224

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 48.373 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

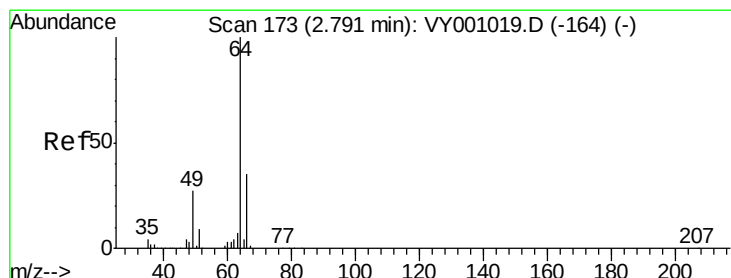
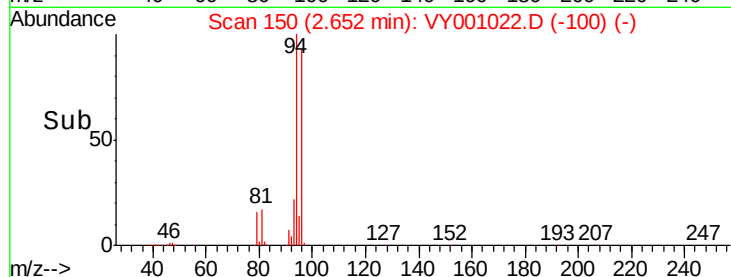
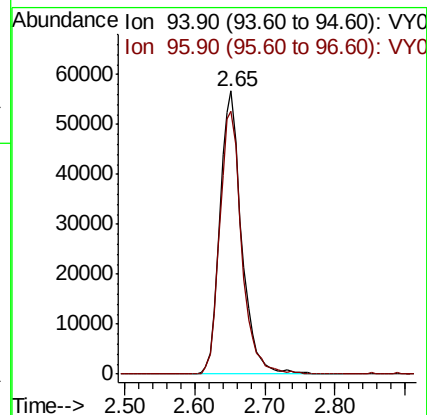
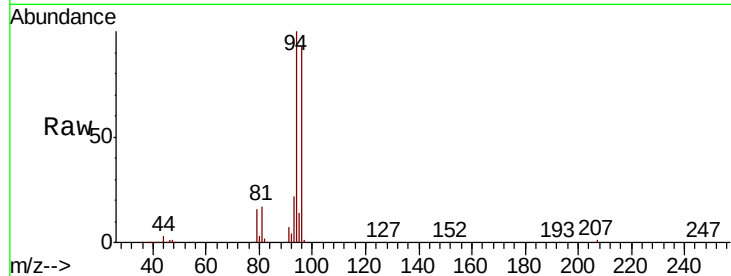
ICVVY122319

Tot Ion: 94 Resp: 121941

Ion Ratio Lower Upper

94 100

96 93.0 74.2 111.4



#6

Chloroethane

Concen: 48.018 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001022.D

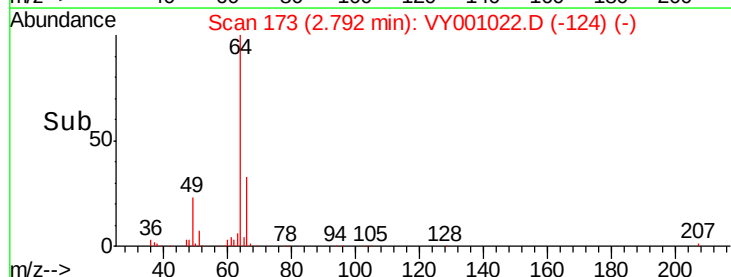
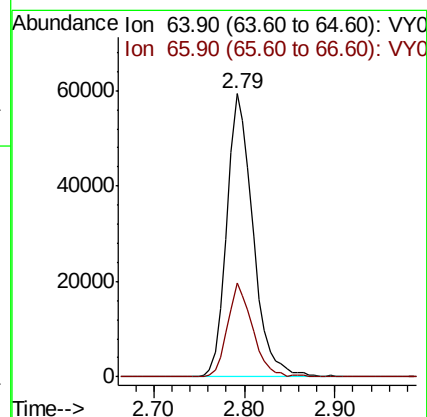
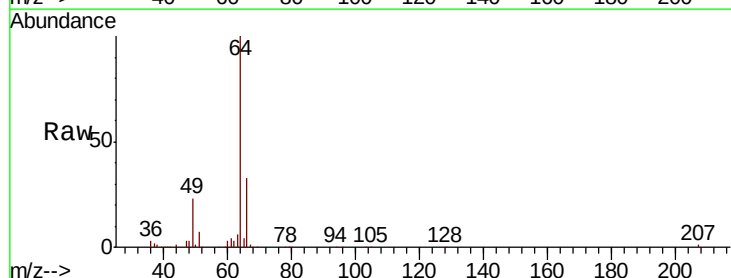
Acq: 23 Dec 2019 12:26

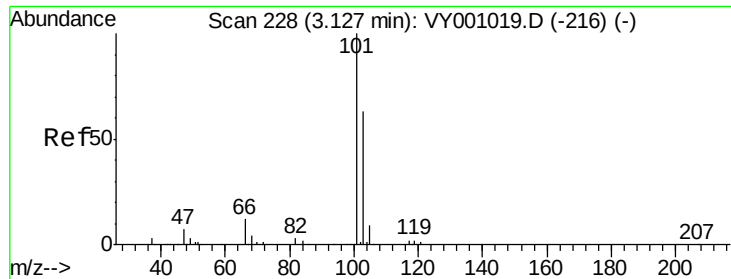
Tgt Ion: 64 Resp: 119650

Ion Ratio Lower Upper

64 100

66 33.1 27.8 41.6



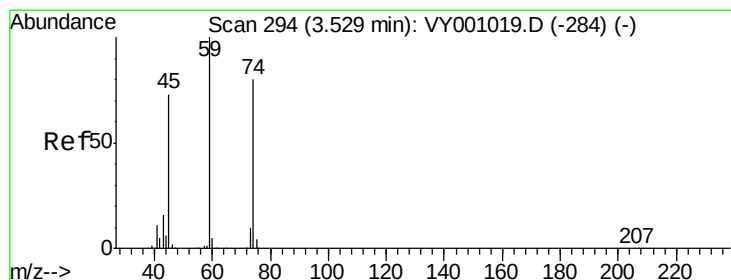
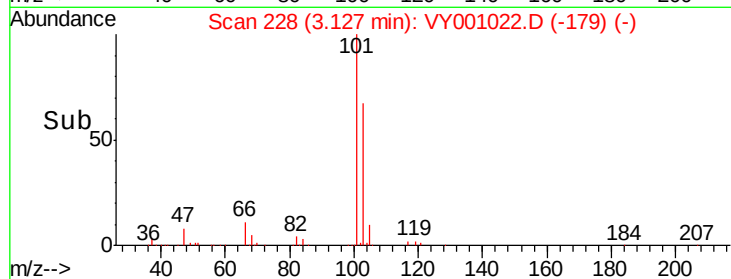
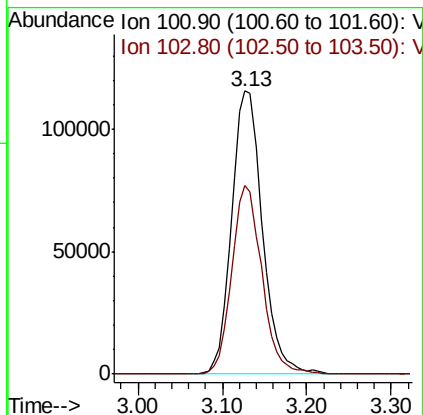
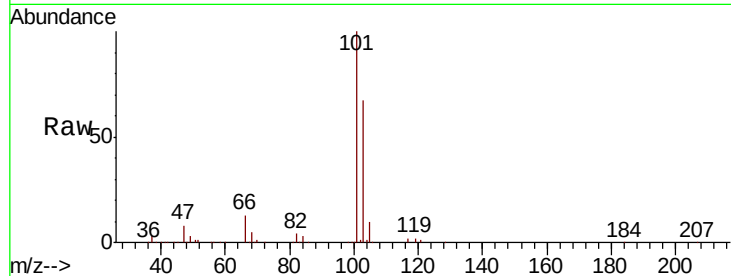


#7

Trichlorofluoromethane
Concen: 48.690 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
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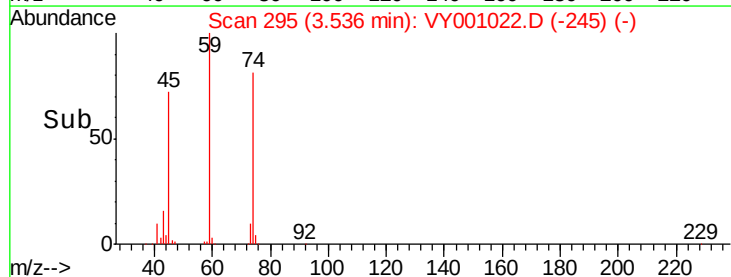
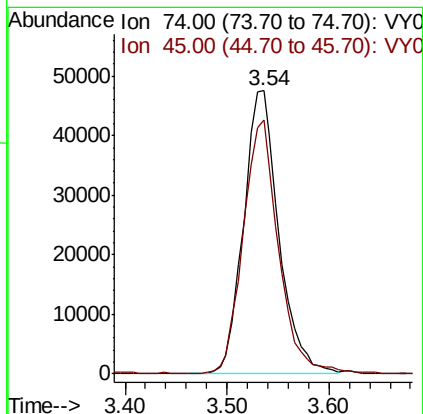
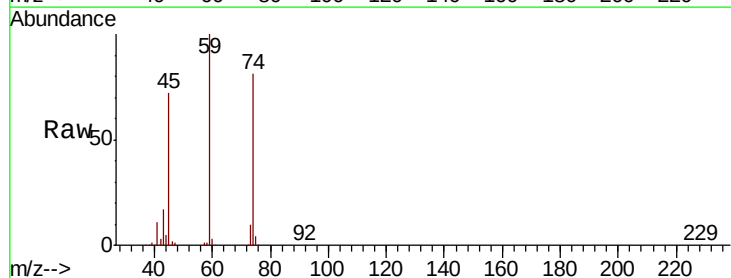
Tot Ion:101 Resp: 285709
Ion Ratio Lower Upper
101 100
103 66.5 50.2 75.2

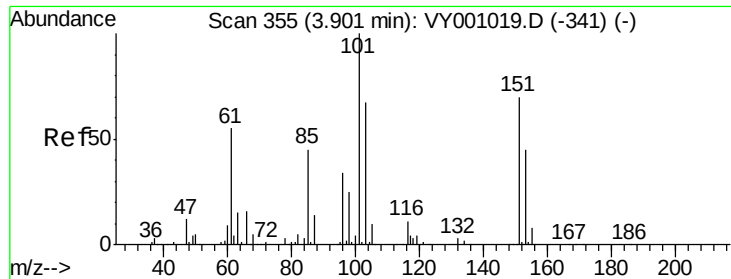


#8

Diethyl Ether
Concen: 47.864 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 74 Resp: 114648
Ion Ratio Lower Upper
74 100
45 90.1 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.948 ug/l

RT: 3.90 min Scan# 354

Delta R.T. -0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

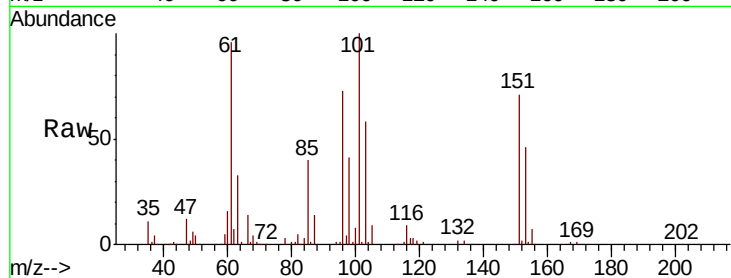
Tot Ion:101 Resp: 188671

Ion Ratio Lower Upper

101 100

85 42.3 34.2 51.2

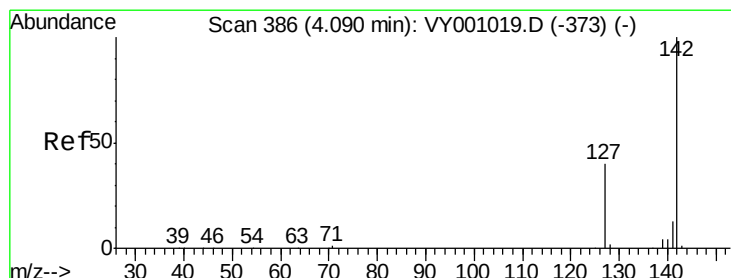
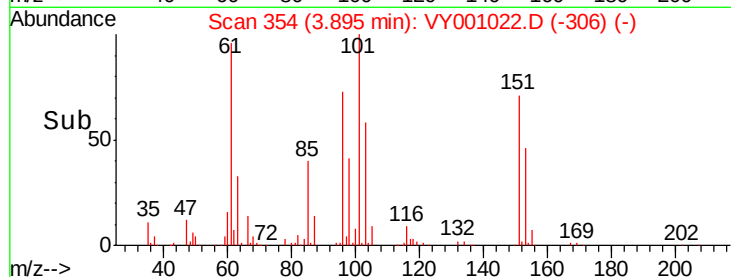
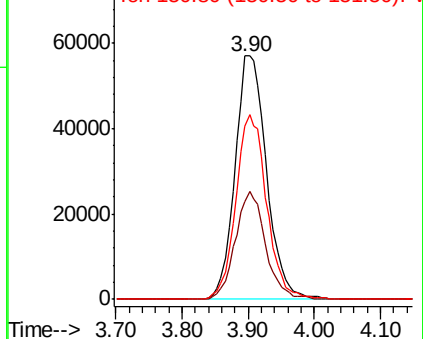
151 74.1 57.0 85.6



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: 50.308 ug/l

RT: 4.09 min Scan# 386

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

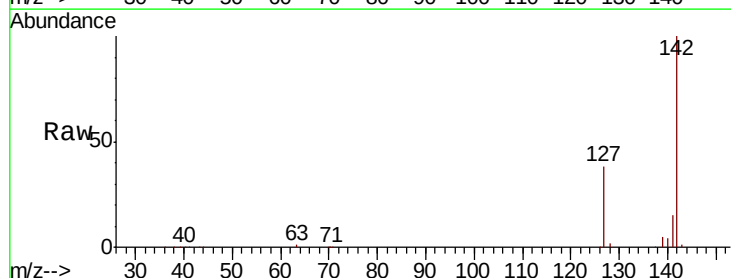
Tgt Ion:142 Resp: 267920

Ion Ratio Lower Upper

142 100

127 39.5 31.2 46.8

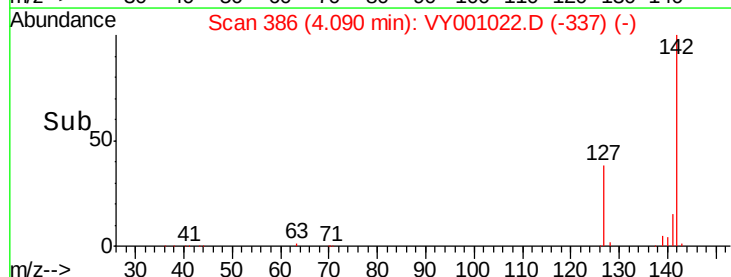
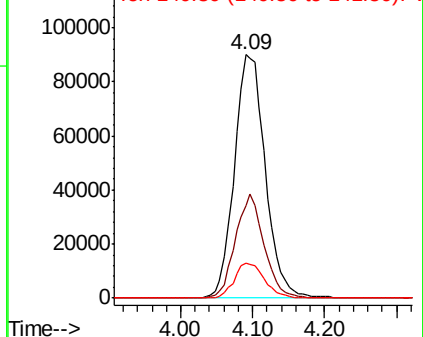
141 14.2 11.0 16.4

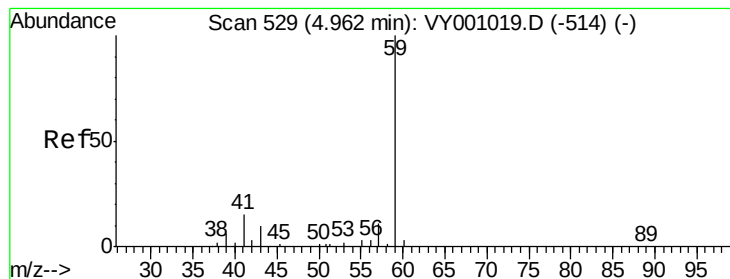


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



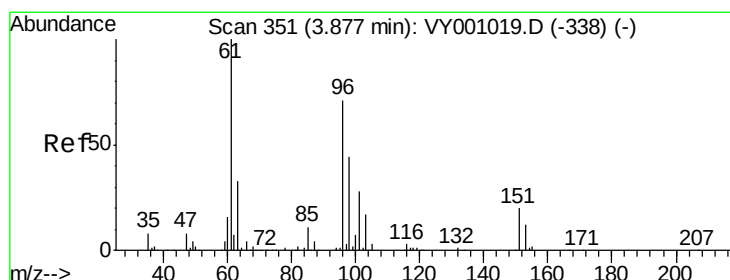
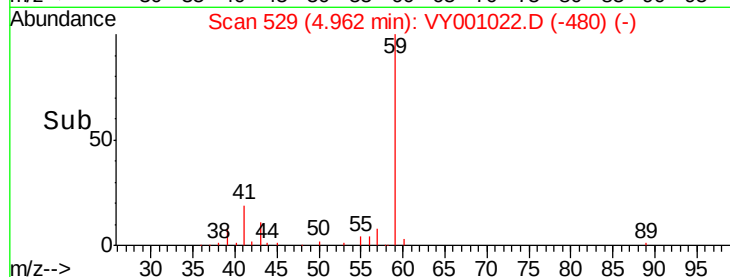
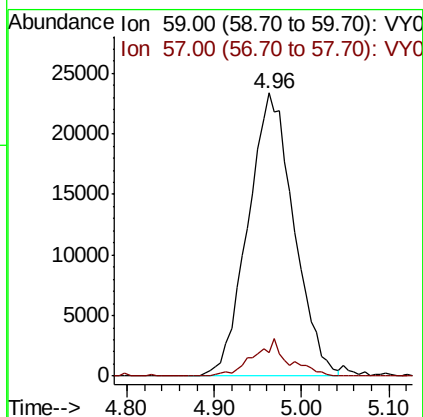
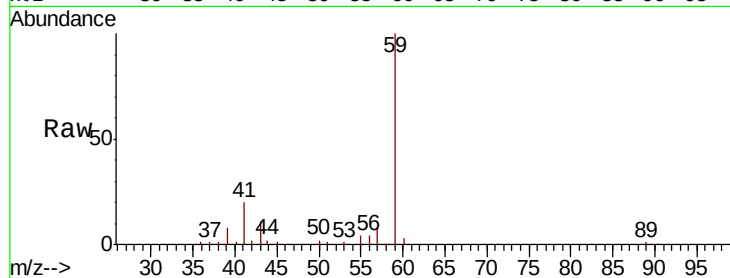


#11

Tert butyl alcohol
 Concen: 226.736 ug/l
 RT: 4.96 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

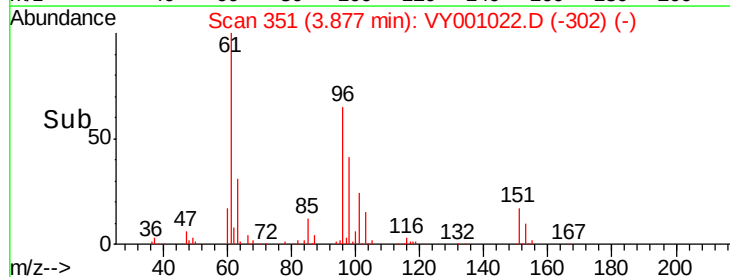
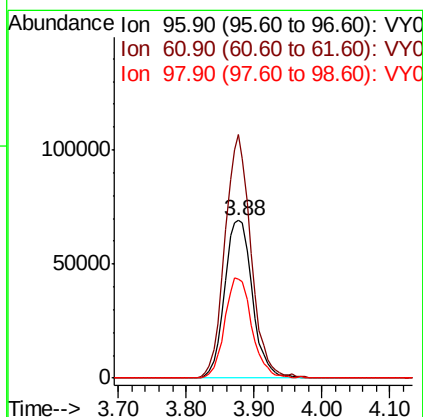
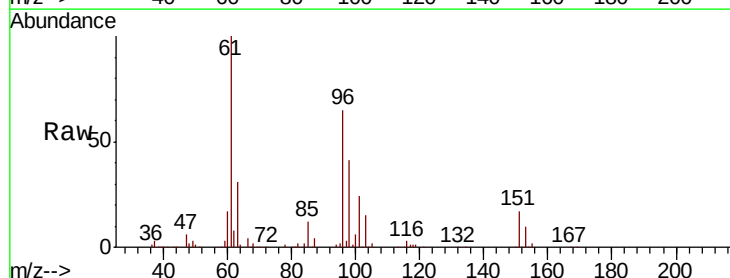
Tot Ion: 59 Resp: 85411
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.6

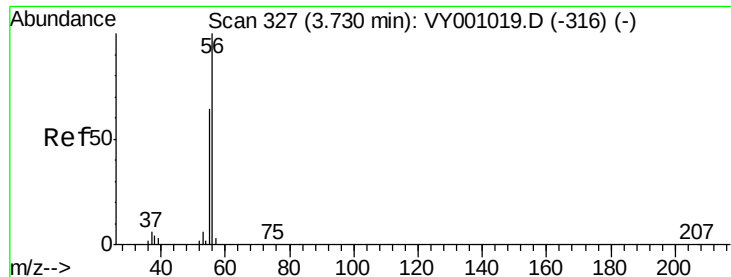


#12

1,1-Dichloroethene
 Concen: 50.144 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

Tgt Ion: 96 Resp: 195683
 Ion Ratio Lower Upper
 96 100
 61 154.3 113.0 169.4
 98 63.0 49.8 74.8





#13

Acrolein

Concen: 251.443 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

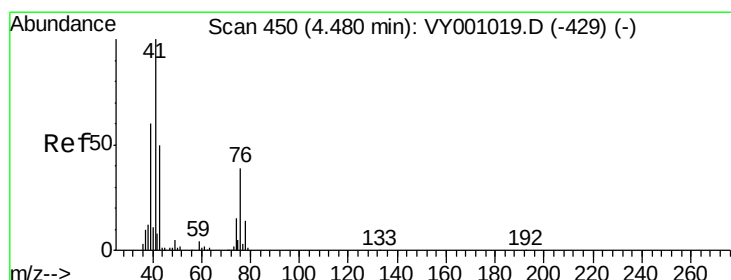
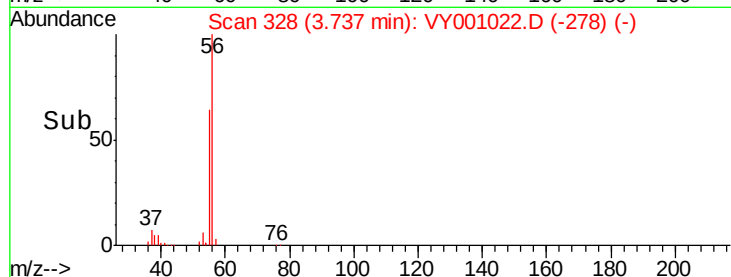
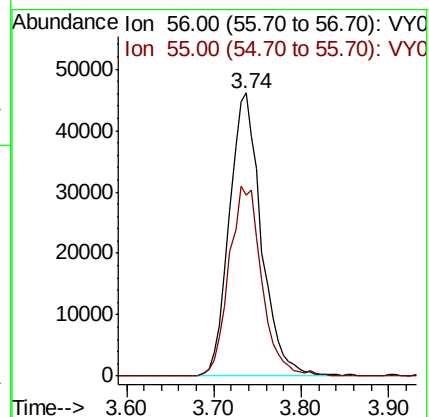
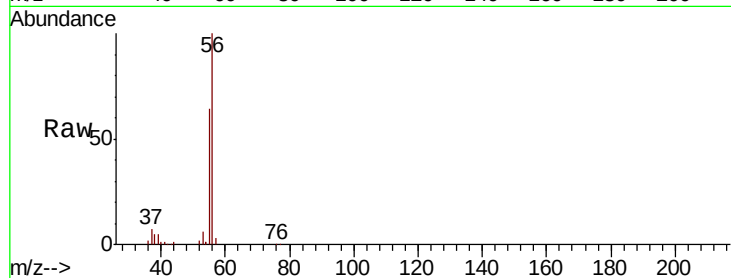
ICVVY122319

Tot Ion: 56 Resp: 117359

Ion Ratio Lower Upper

56 100

55 69.0 55.6 83.4



#14

Allyl chloride

Concen: 48.075 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

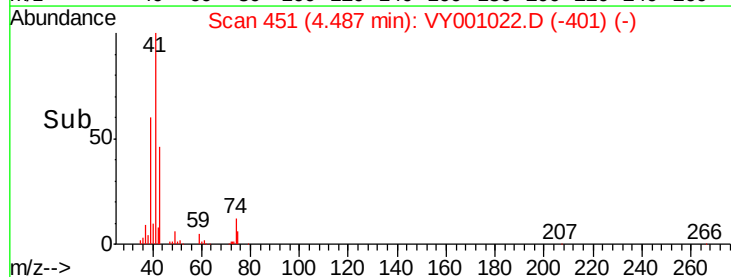
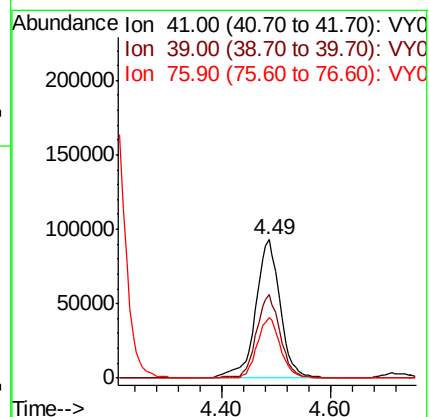
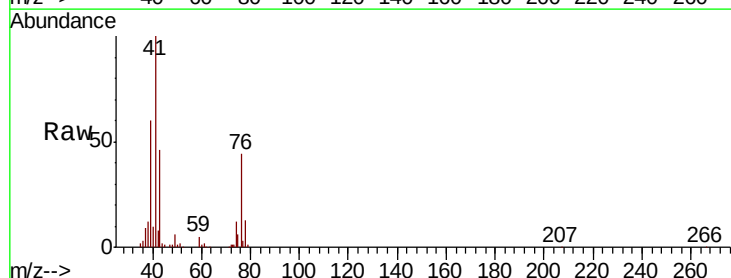
Tgt Ion: 41 Resp: 291446

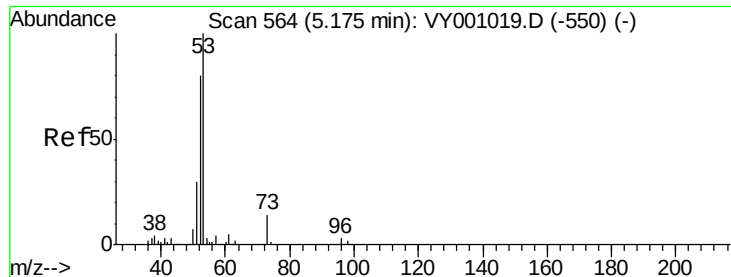
Ion Ratio Lower Upper

41 100

39 58.2 46.0 69.0

76 41.3 32.6 48.8





#15

Acrylonitrile

Concen: 240.542 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

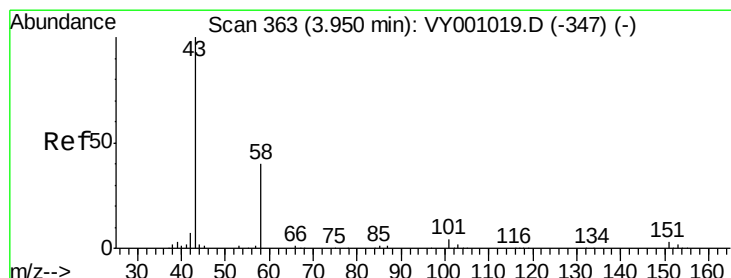
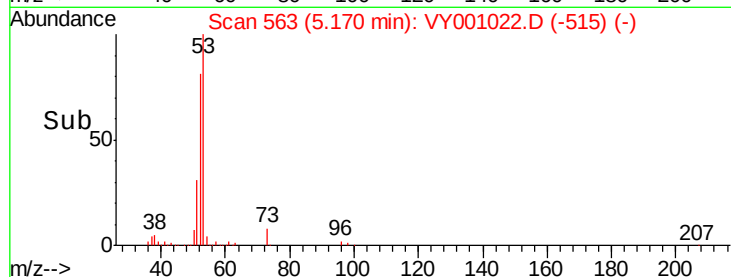
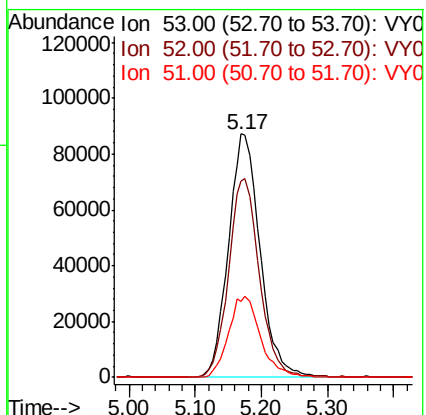
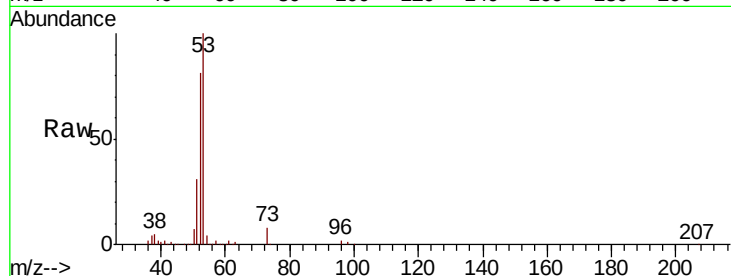
Tot Ion: 53 Resp: 287954

Ion Ratio Lower Upper

53 100

52 79.8 63.6 95.4

51 33.9 26.7 40.1



#16

Acetone

Concen: 225.317 ug/l

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY001022.D

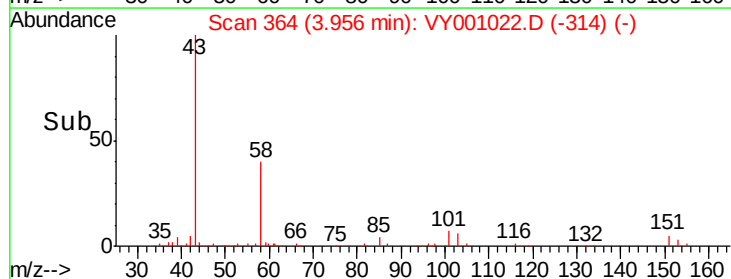
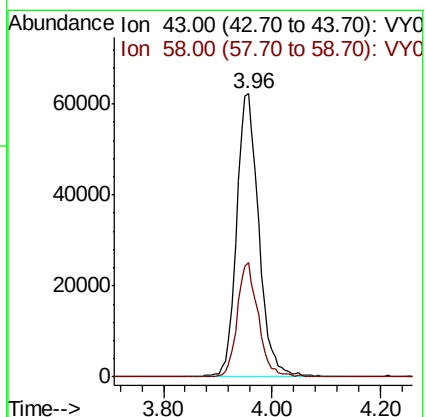
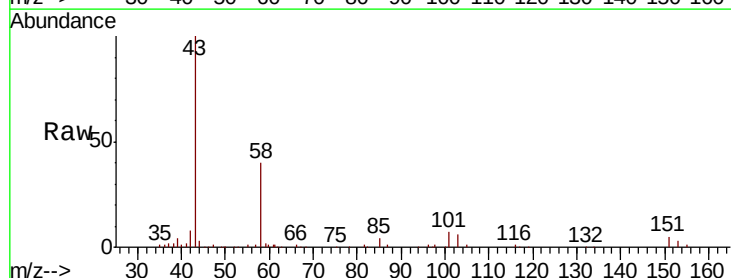
Acq: 23 Dec 2019 12:26

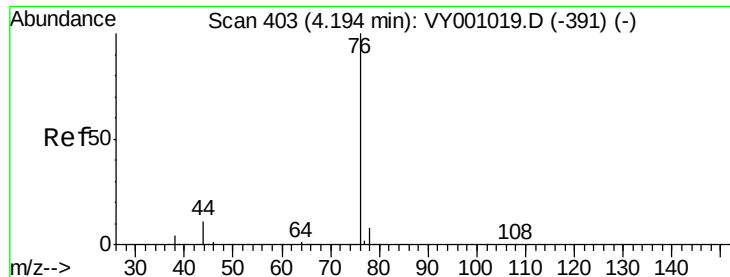
Tgt Ion: 43 Resp: 177833

Ion Ratio Lower Upper

43 100

58 40.2 32.1 48.1

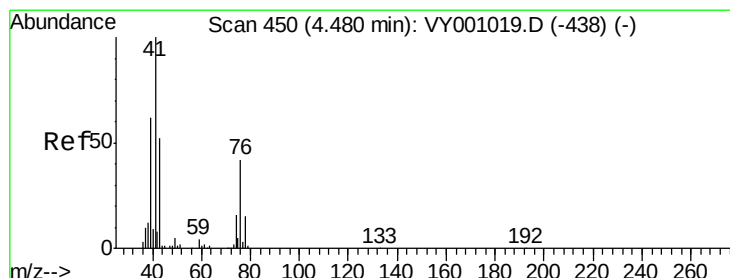
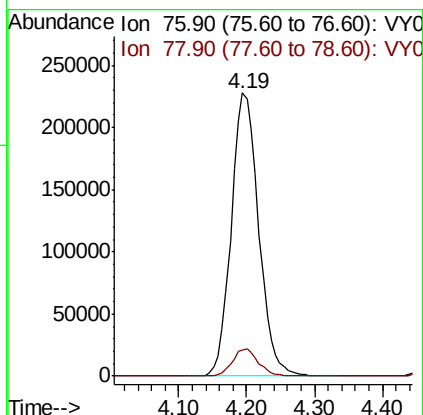
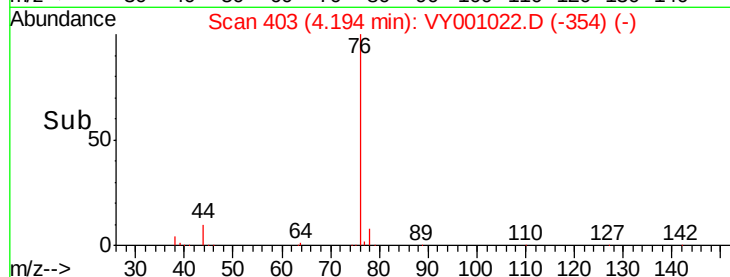
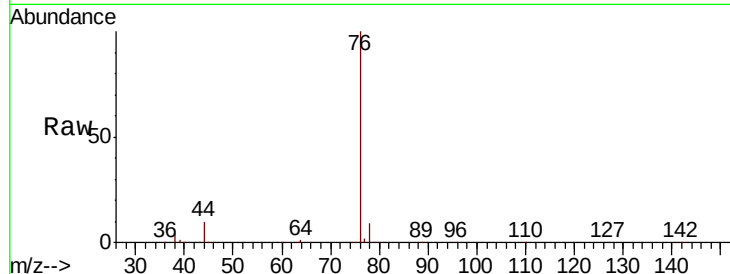




#17
Carbon Disulfide
Concen: 49.988 ug/l
RT: 4.19 min Scan# 403
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

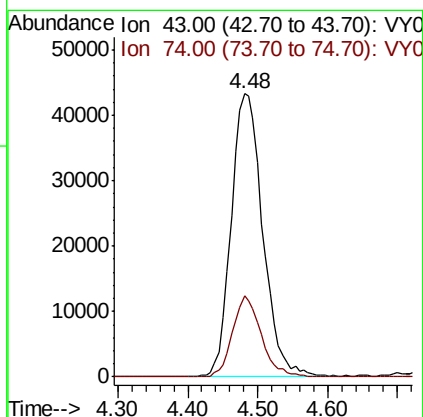
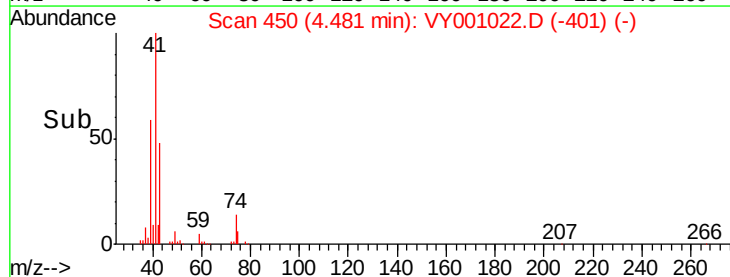
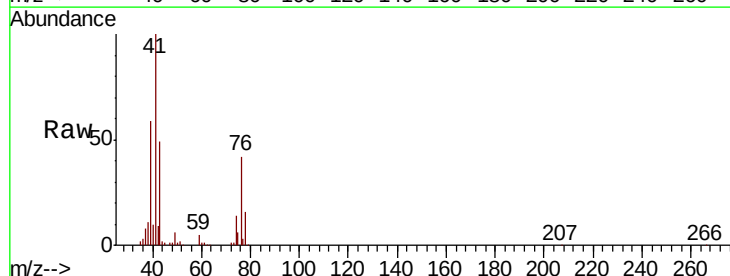
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

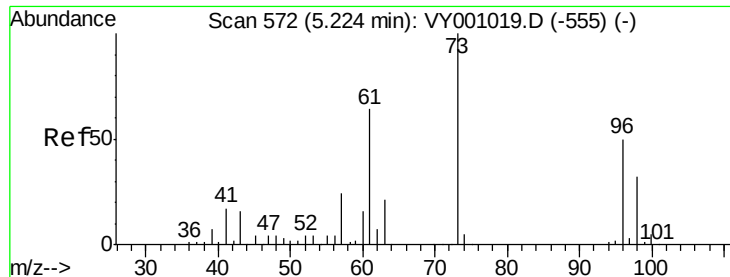
Tot Ion: 76 Resp: 637444
Ion Ratio Lower Upper
76 100
78 9.2 6.7 10.1



#18
Methyl Acetate
Concen: 44.851 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 43 Resp: 135809
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1

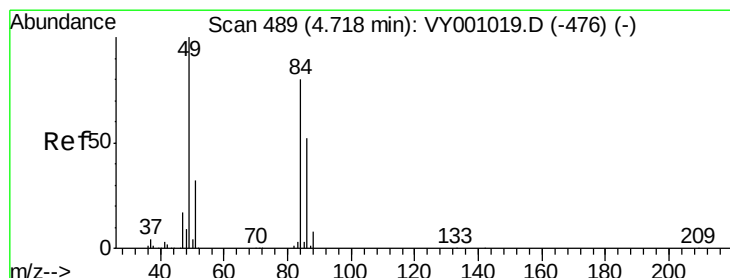
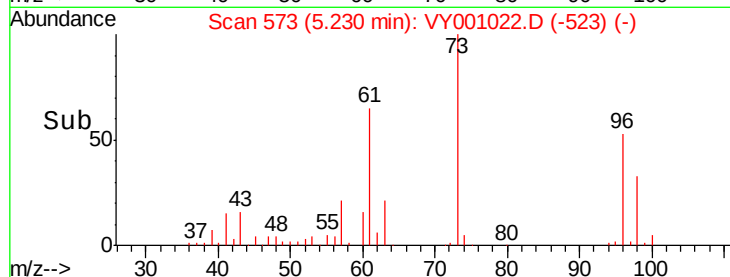
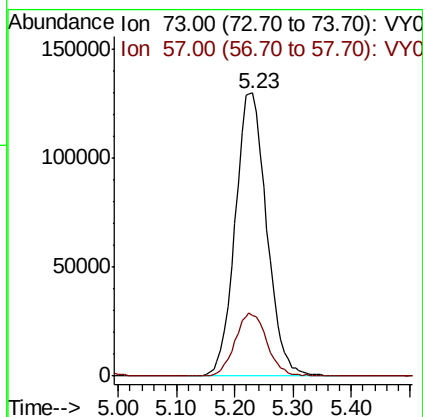
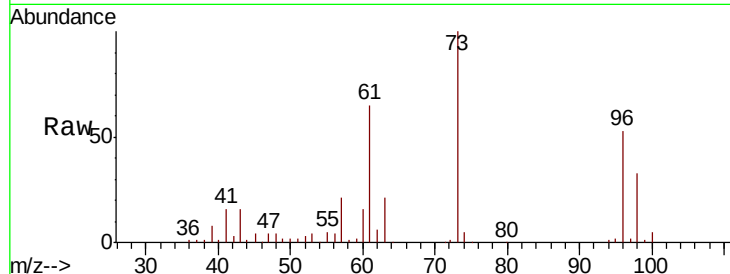




#19
Methyl tert-butyl Ether
Concen: 48.312 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

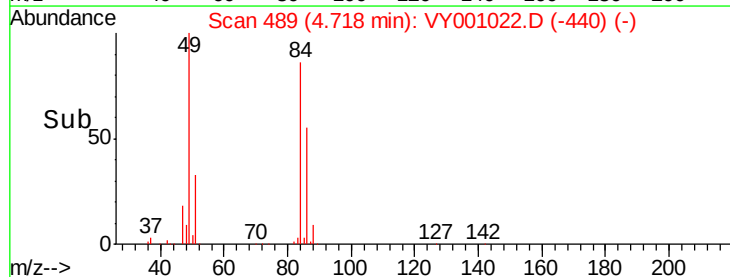
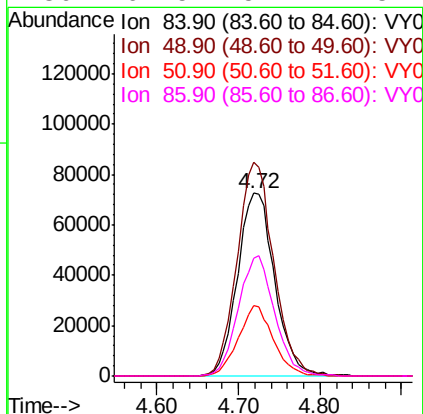
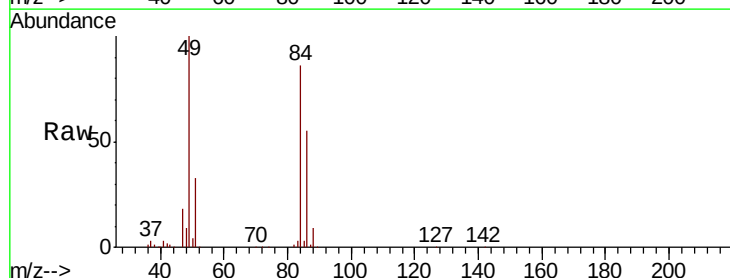
Instrument :
MSVOA_Y
ClientSampleId :
ICVY122319

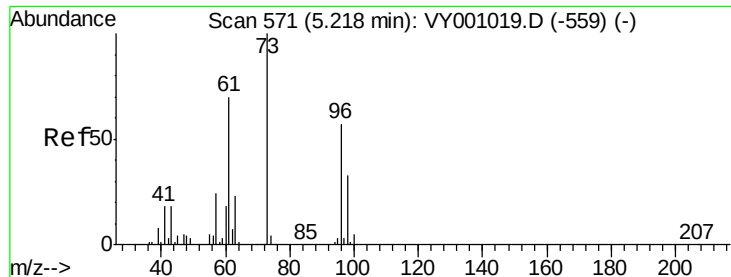
Tot Ion: 73 Resp: 486605
Ion Ratio Lower Upper
73 100
57 21.4 19.0 28.6



#20
Methylene Chloride
Concen: 49.534 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 84 Resp: 230117
Ion Ratio Lower Upper
84 100
49 116.8 99.8 149.6
51 38.8 31.4 47.2
86 64.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 50.514 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

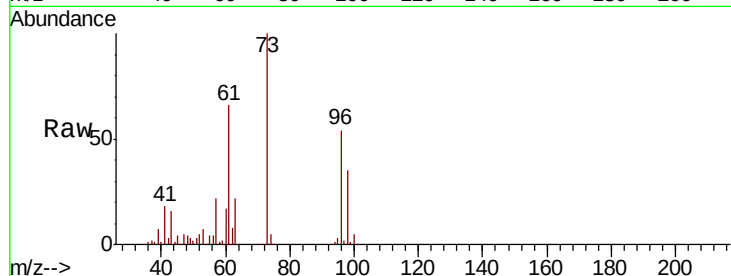
Tot Ion: 96 Resp: 218463

Ion Ratio Lower Upper

96 100

61 122.5 98.1 147.1

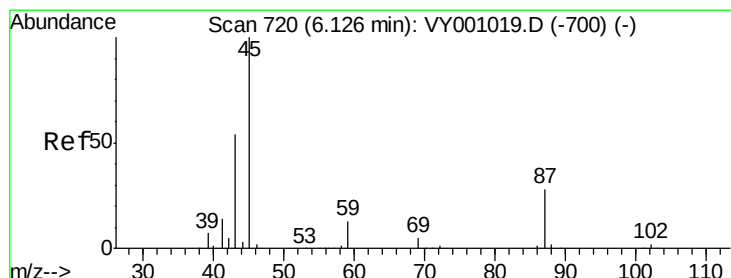
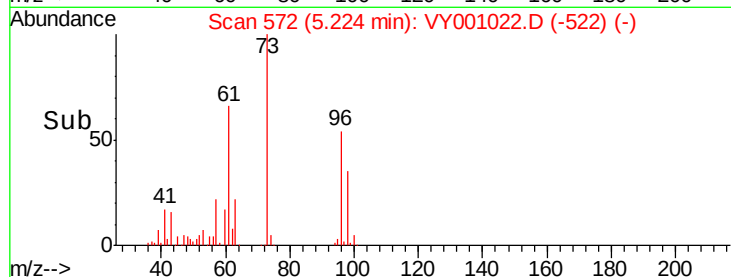
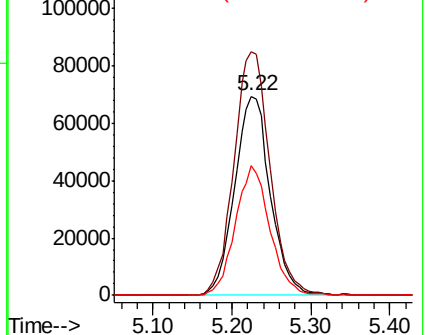
98 65.5 47.2 70.8



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: 46.373 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Tgt Ion: 45 Resp: 568238

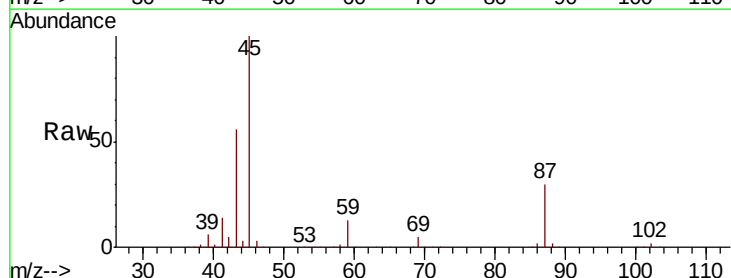
Ion Ratio Lower Upper

45 100

43 55.4 43.6 65.4

87 30.1 23.1 34.7

59 13.1 10.2 15.4

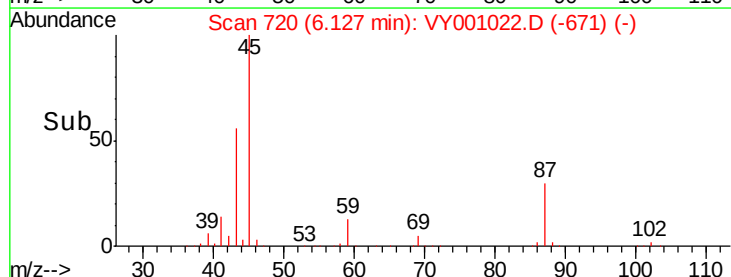
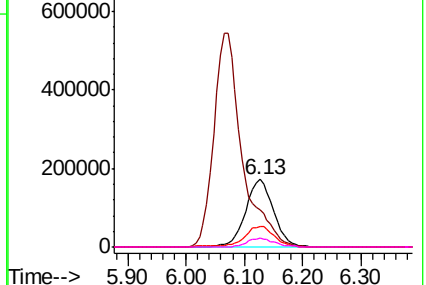


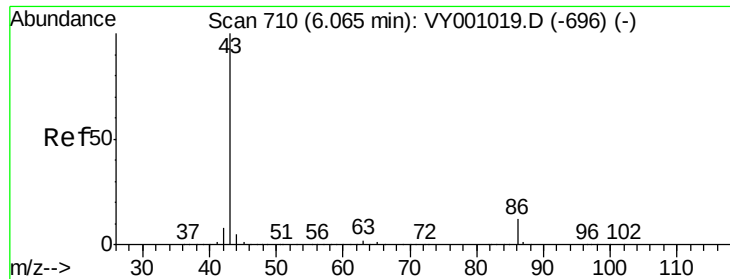
Abundance Ion 45.00 (44.70 to 45.70): VY0

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: 237.021 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

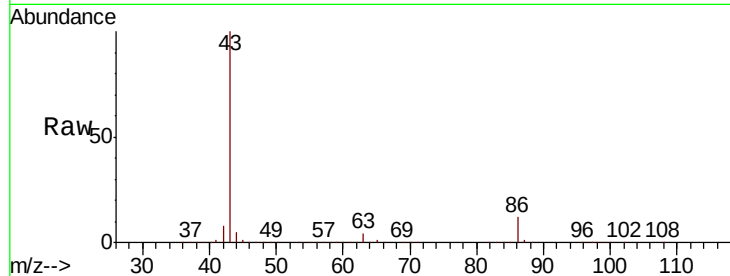
ICVVY122319

Tot Ion: 43 Resp: 1834223

Ion Ratio Lower Upper

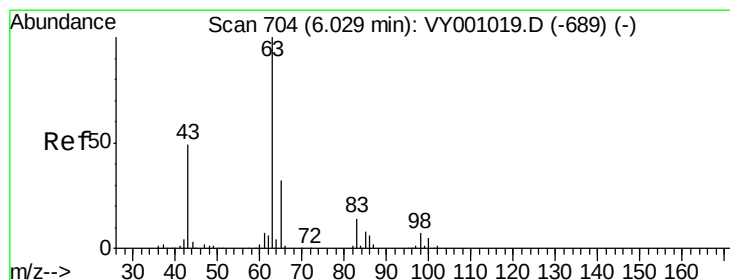
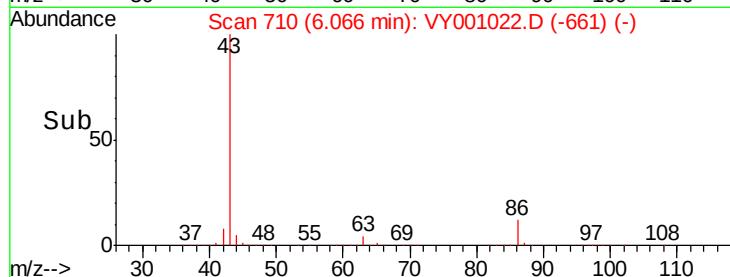
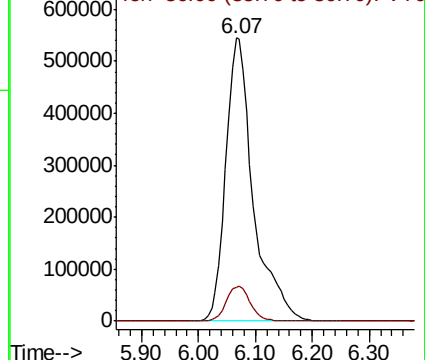
43 100

86 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 47.688 ug/l

RT: 6.02 min Scan# 703

Delta R.T. -0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

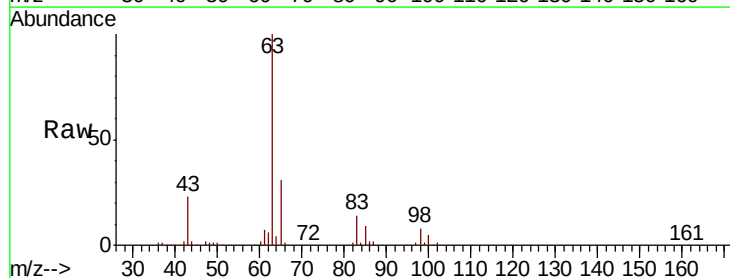
Tgt Ion: 63 Resp: 345323

Ion Ratio Lower Upper

63 100

98 7.5 3.8 11.2

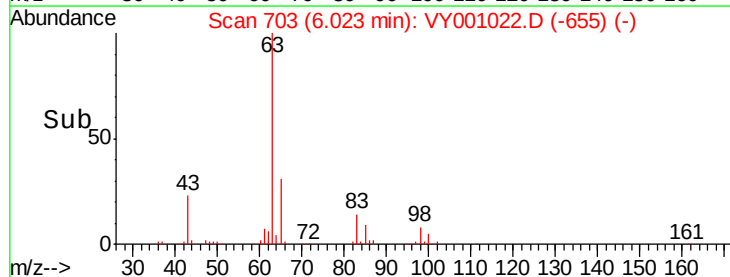
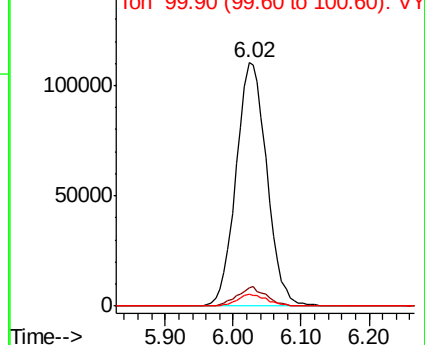
100 4.8 2.5 7.5

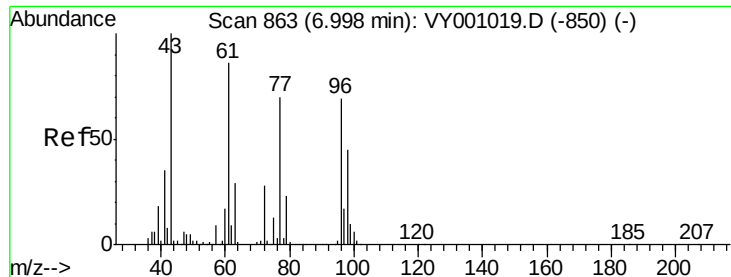


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 228.283 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

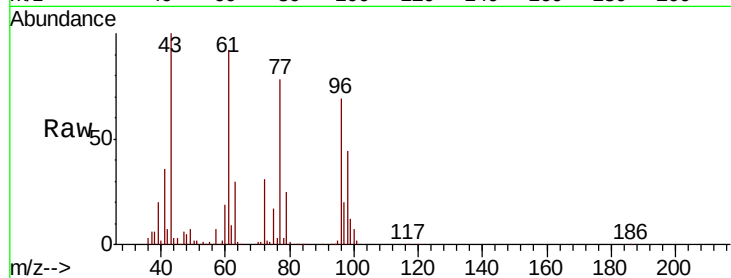
ICVVY122319

Tot Ion: 43 Resp: 316520

Ion Ratio Lower Upper

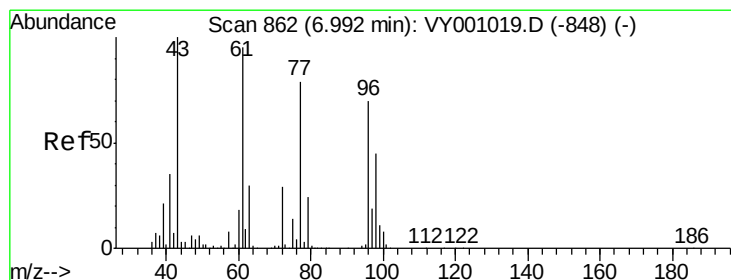
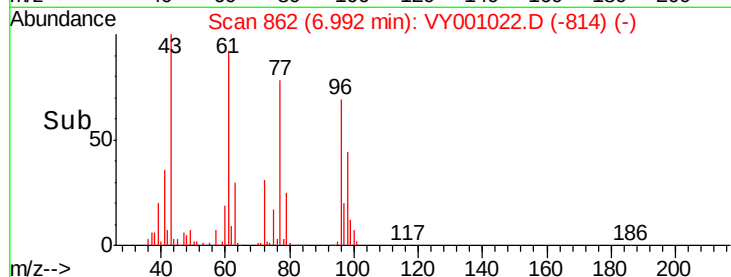
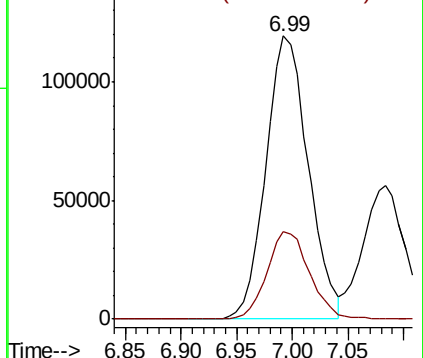
43 100

72 30.7 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 47.557 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001022.D

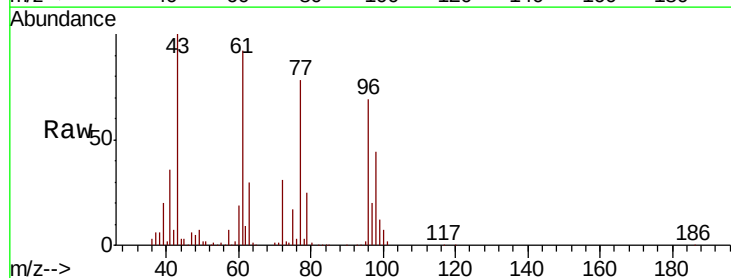
Acq: 23 Dec 2019 12:26

Tgt Ion: 77 Resp: 282934

Ion Ratio Lower Upper

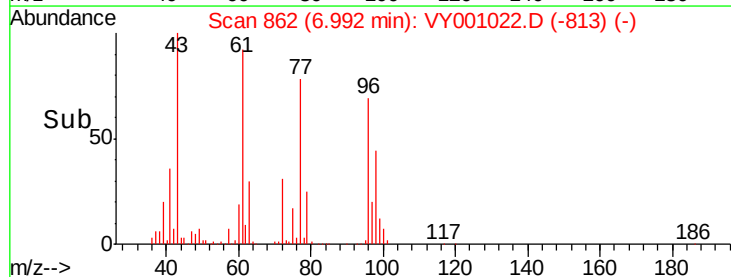
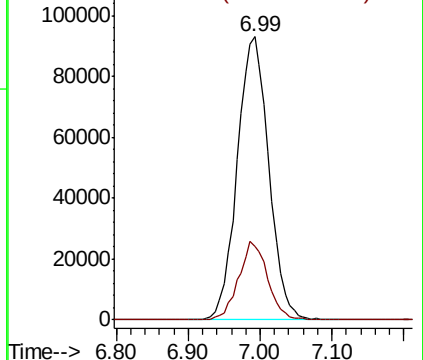
77 100

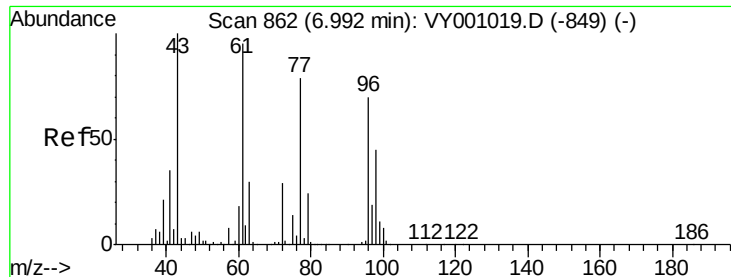
97 25.4 12.0 36.1



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



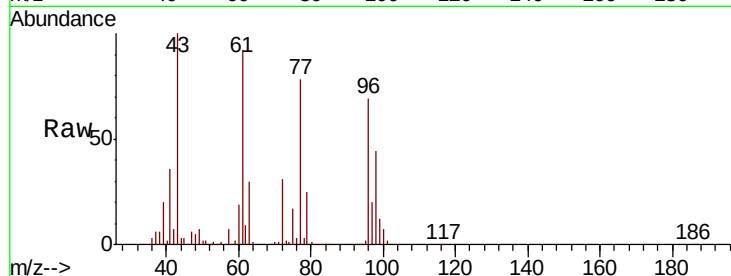


#27

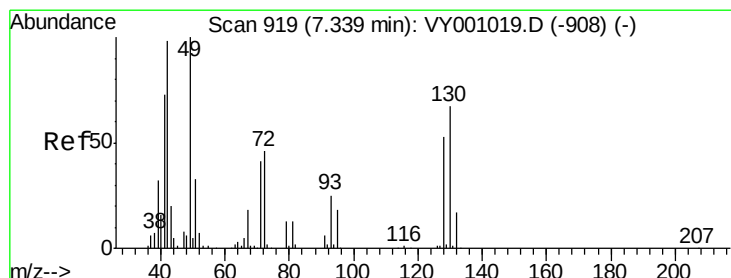
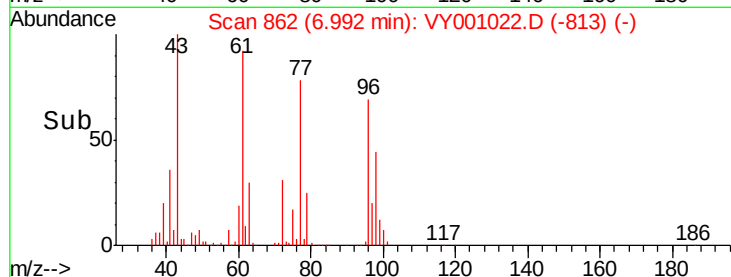
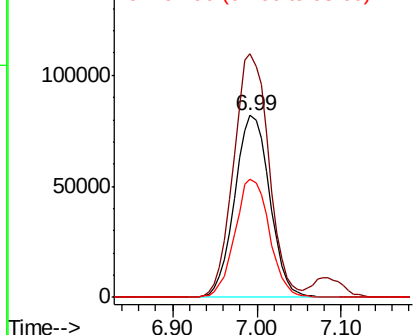
cis-1,2-Dichloroethene
Concen: 48.476 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

Tot Ion: 96 Resp: 230328
Ion Ratio Lower Upper
96 100
61 134.8 0.0 268.2
98 63.9 0.0 129.2



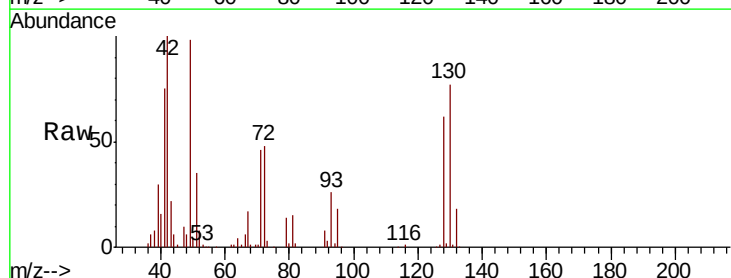
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



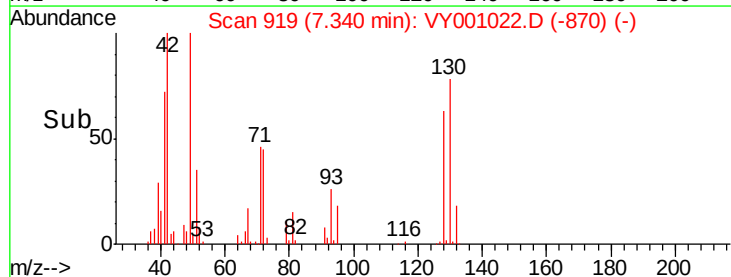
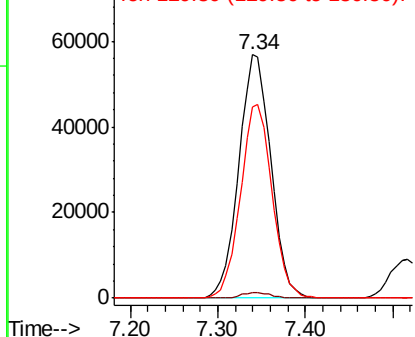
#28

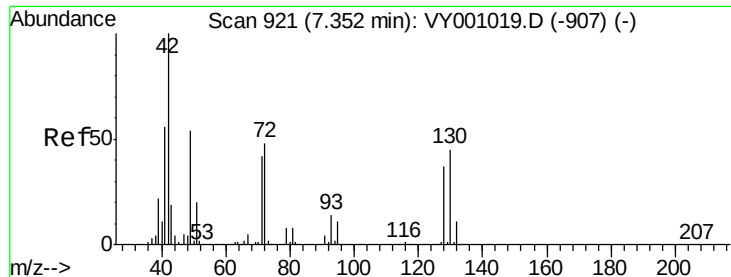
Bromochloromethane
Concen: 51.164 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 49 Resp: 144557
Ion Ratio Lower Upper
49 100
129 2.1 0.0 3.8
130 78.6 60.4 90.6



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





#29

Tetrahydrofuran

Concen: 230.192 ug/l

RT: 7.35 min Scan# 921

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVY122319

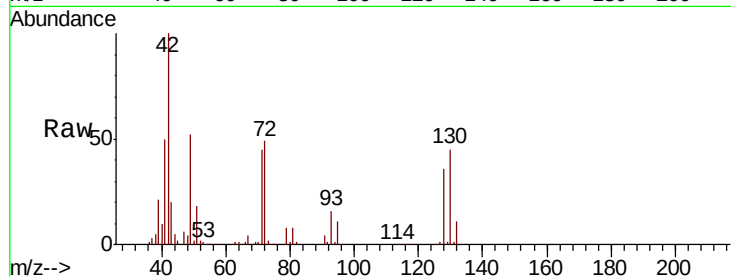
Tot Ion: 42 Resp: 227031

Ion Ratio Lower Upper

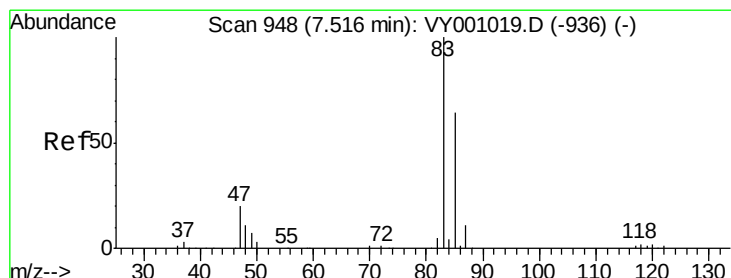
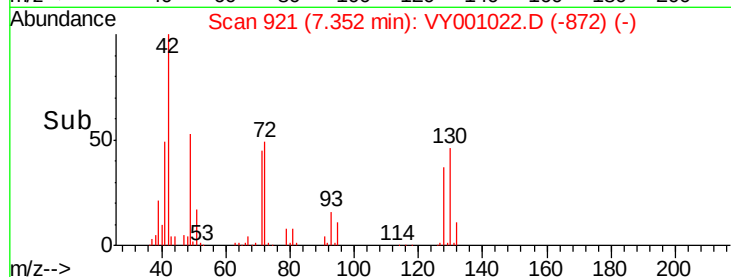
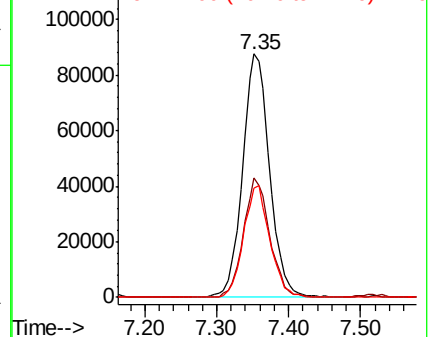
42 100

72 47.6 37.7 56.5

71 44.8 34.6 51.8



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: 48.235 ug/l

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY001022.D

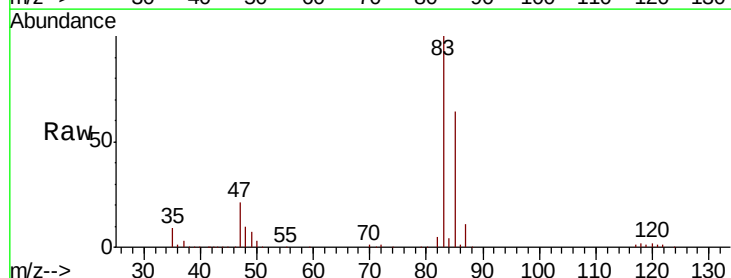
Acq: 23 Dec 2019 12:26

Tgt Ion: 83 Resp: 330274

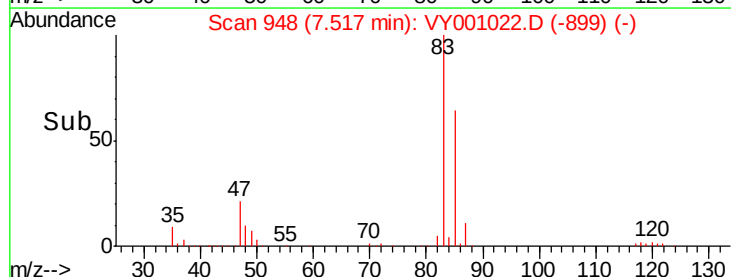
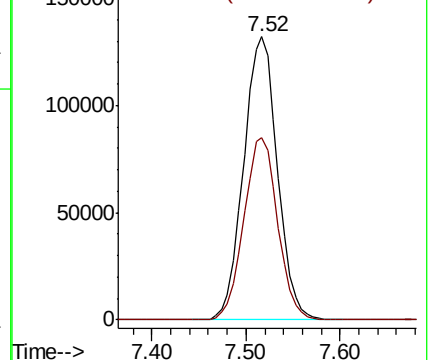
Ion Ratio Lower Upper

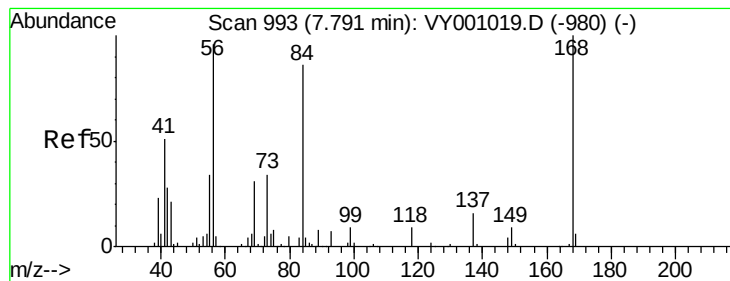
83 100

85 64.2 51.6 77.4



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





#31

Cyclohexane

Concen: 46.420 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVY122319

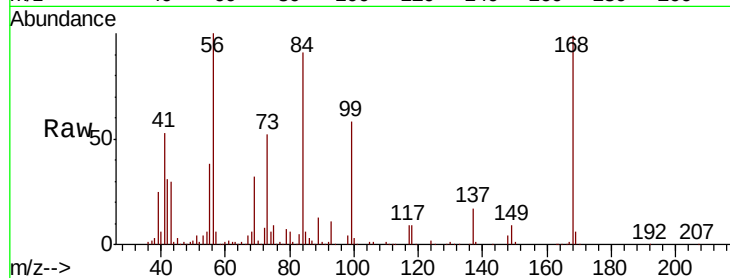
Tot Ion: 56 Resp: 353460

Ion Ratio Lower Upper

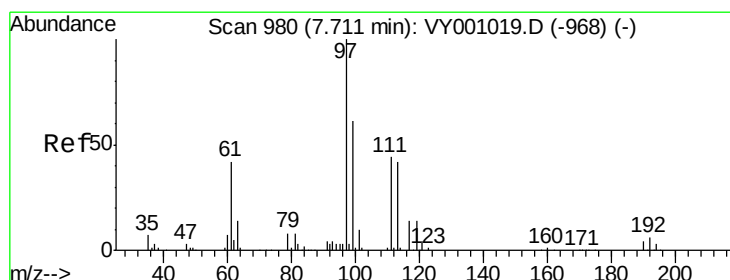
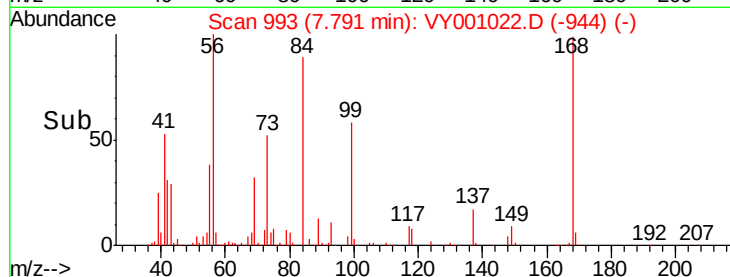
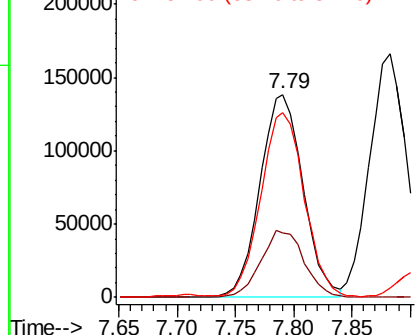
56 100

69 31.7 26.1 39.1

84 89.7 71.8 107.8



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



#32

1,1,1-Trichloroethane

Concen: 48.795 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

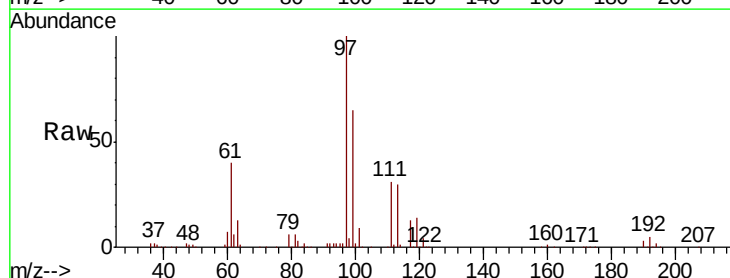
Tgt Ion: 97 Resp: 285010

Ion Ratio Lower Upper

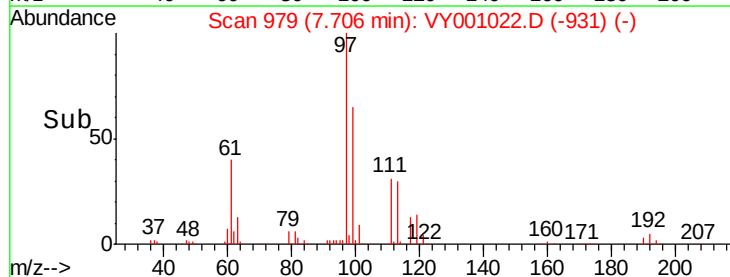
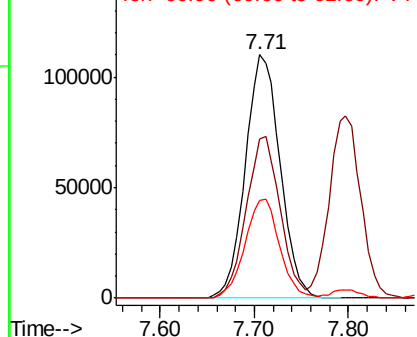
97 100

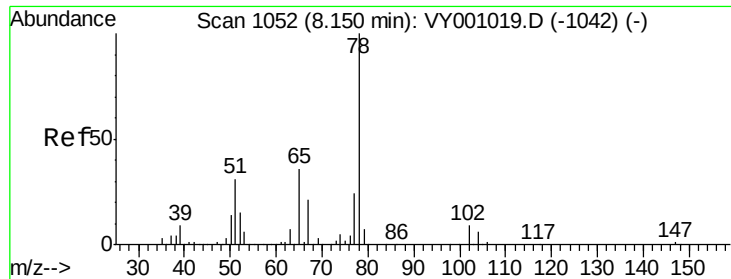
99 64.9 50.6 76.0

61 40.6 33.0 49.6



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

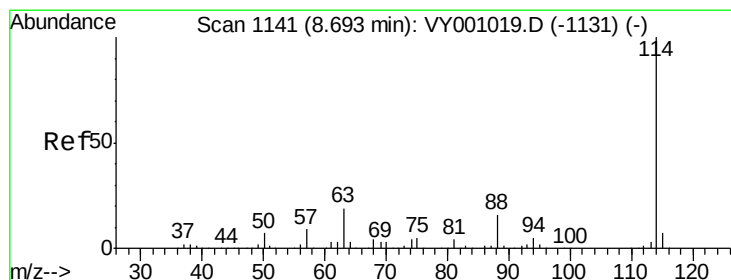
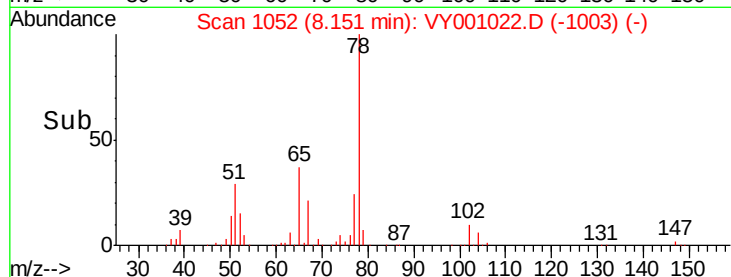
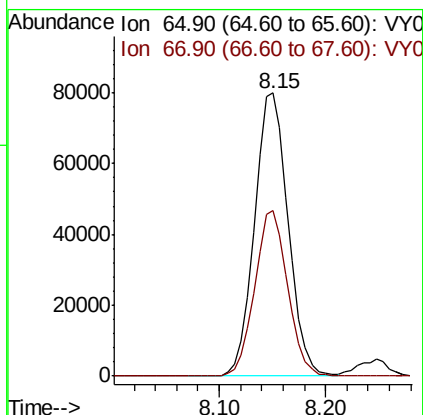
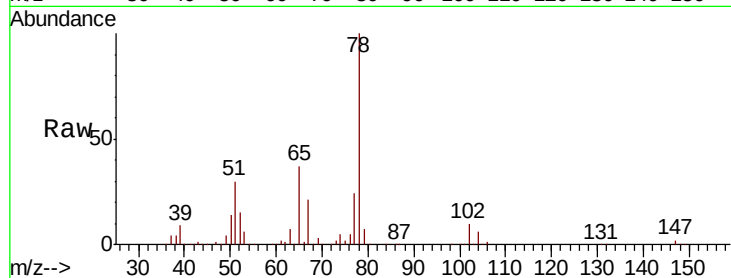




#33
 1,2-Dichloroethane-d4
 Concen: 51.507 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

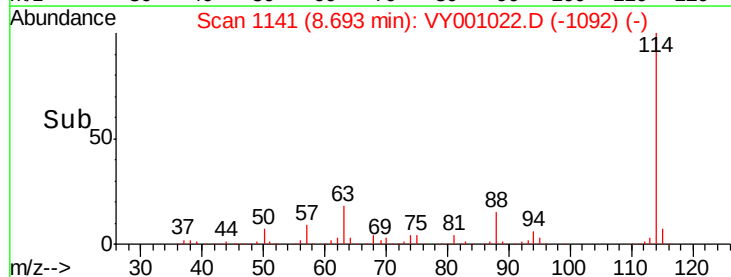
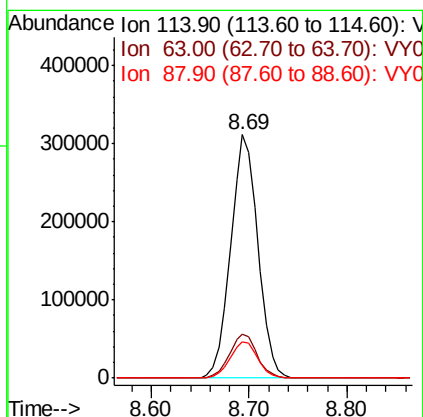
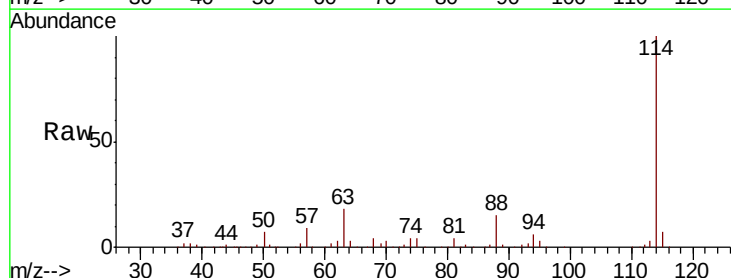
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

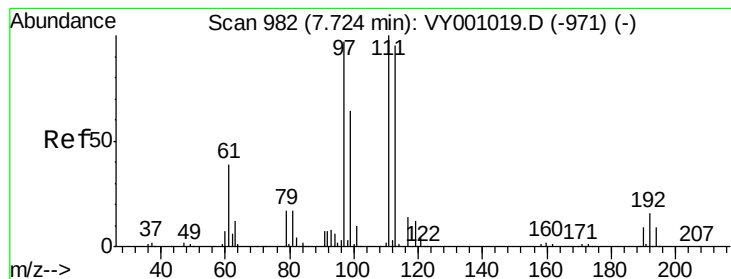
Tot Ion: 65 Resp: 176463
 Ion Ratio Lower Upper
 65 100
 67 57.3 0.0 112.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

Tgt Ion: 114 Resp: 598768
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 37.0
 88 14.7 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

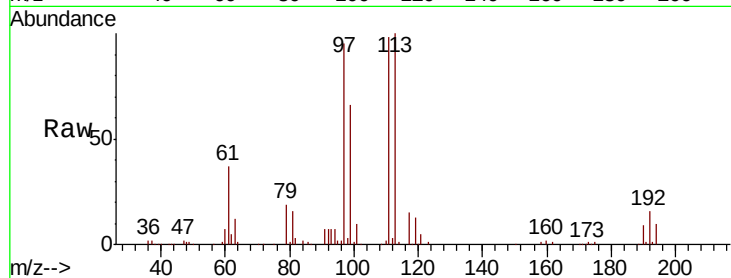
Tot Ion:113 Resp: 183117

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.4

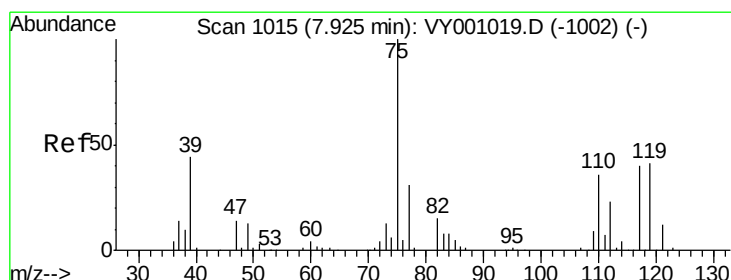
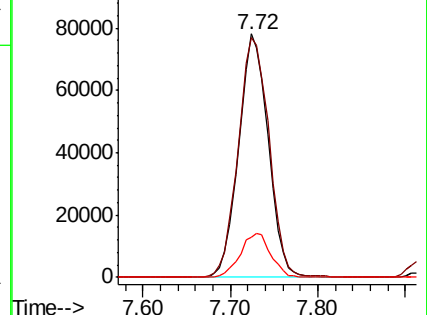
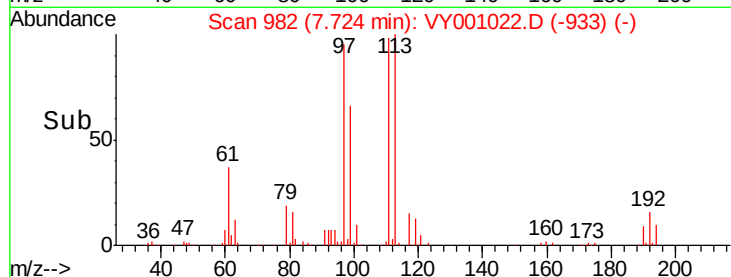
192 18.6 14.6 21.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.514 ug/l

RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

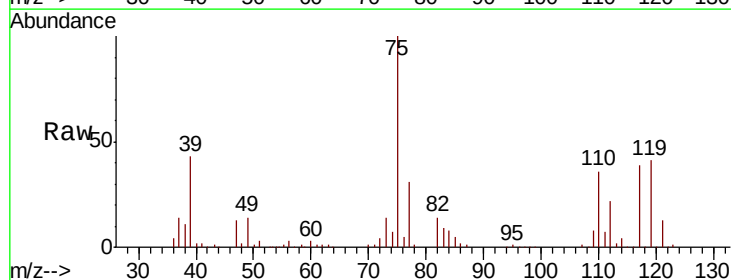
Tgt Ion: 75 Resp: 282831

Ion Ratio Lower Upper

75 100

110 36.9 18.1 54.4

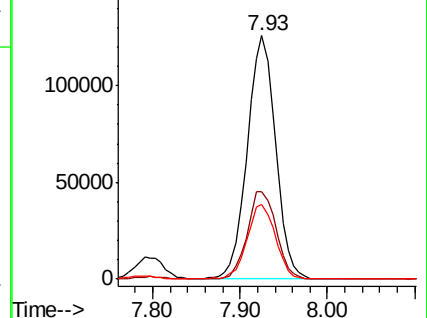
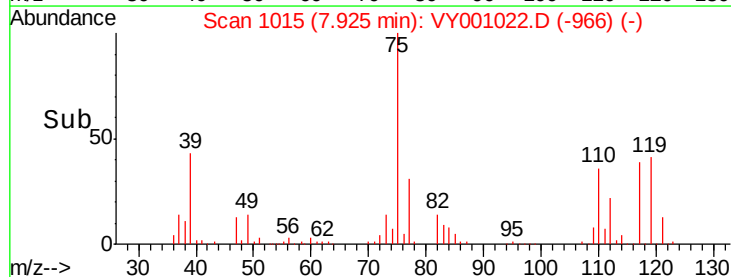
77 30.9 24.6 37.0

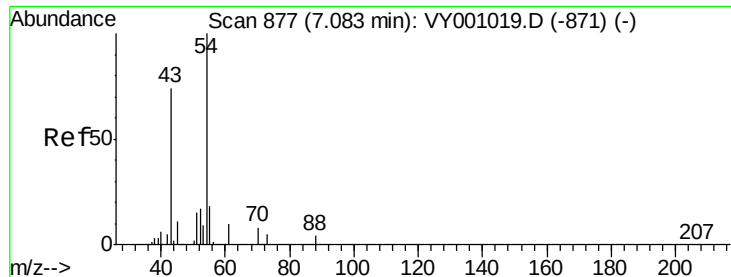


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





#37

Ethyl Acetate

Concen: 48.202 ug/l

RT: 7.08 min Scan# 877

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVY122319

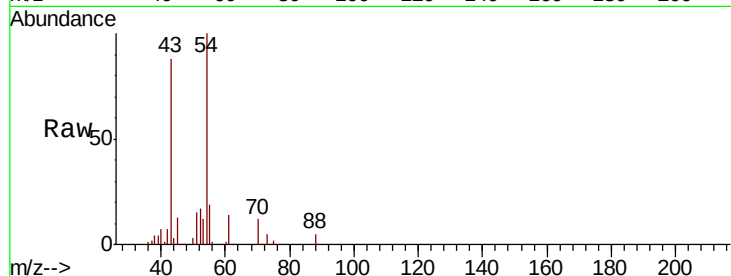
Tot Ion: 43 Resp: 152458

Ion Ratio Lower Upper

43 100

61 15.2 12.5 18.7

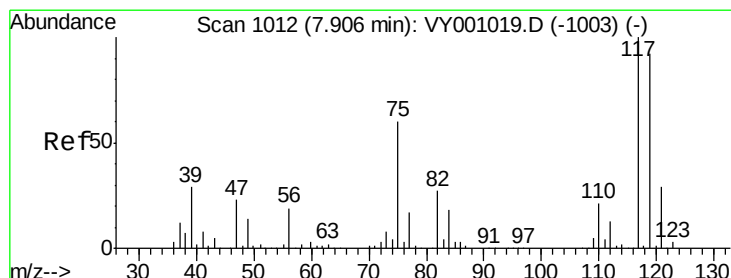
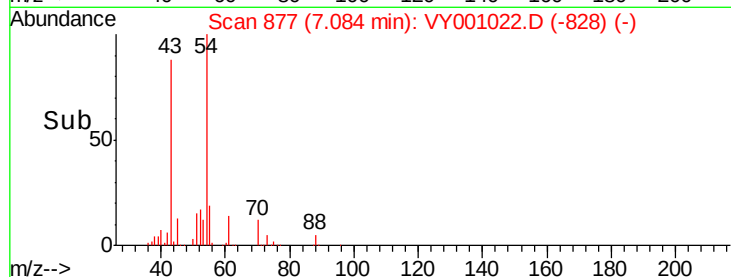
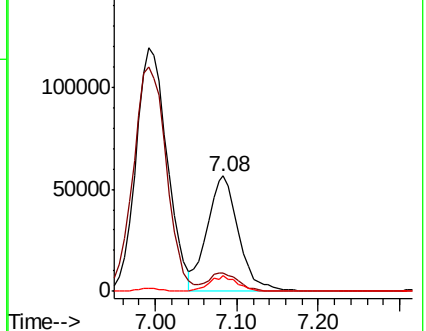
70 11.8 9.0 13.4



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-871) (-)

Ion 60.90 (60.60 to 61.60): VY001019.D (-871) (-)

Ion 70.00 (69.70 to 70.70): VY001019.D (-871) (-)



#38

Carbon Tetrachloride

Concen: 50.233 ug/l

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

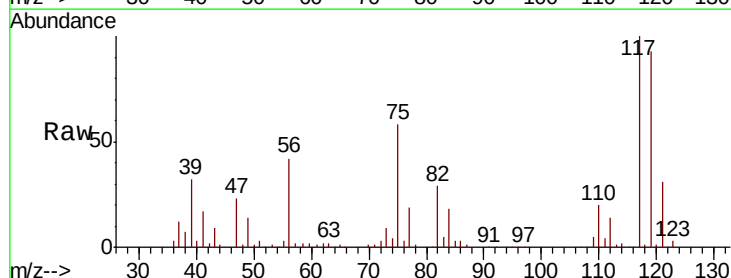
Tgt Ion: 117 Resp: 251400

Ion Ratio Lower Upper

117 100

119 92.9 74.2 111.2

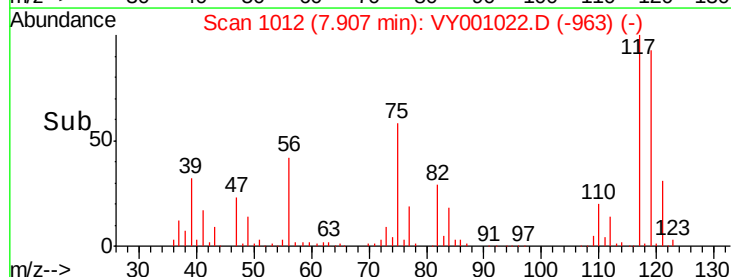
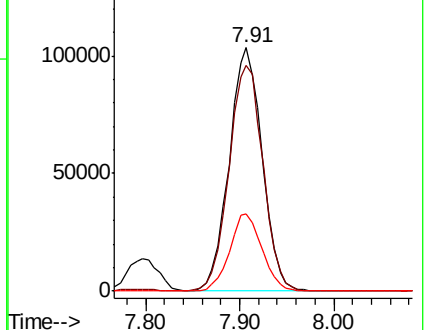
121 31.5 22.9 34.3

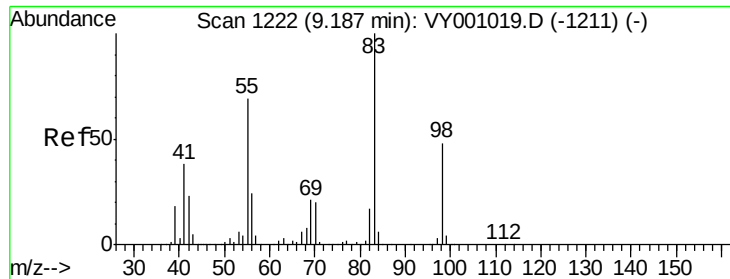


Abundance Ion 116.80 (116.50 to 117.50): VY001019.D (-1003) (-)

Ion 118.80 (118.50 to 119.50): VY001019.D (-1003) (-)

Ion 120.80 (120.50 to 121.50): VY001019.D (-1003) (-)

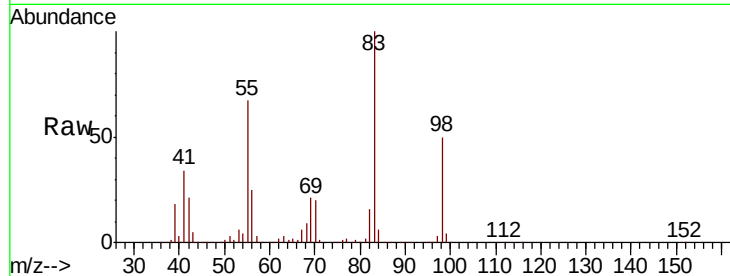




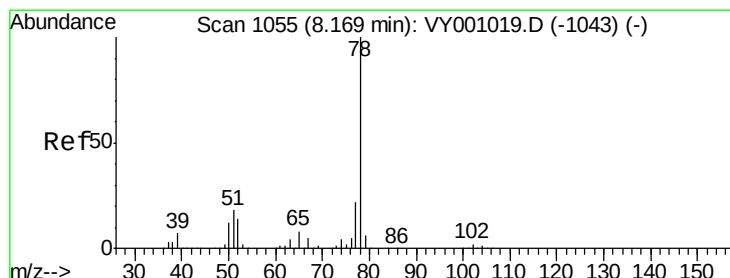
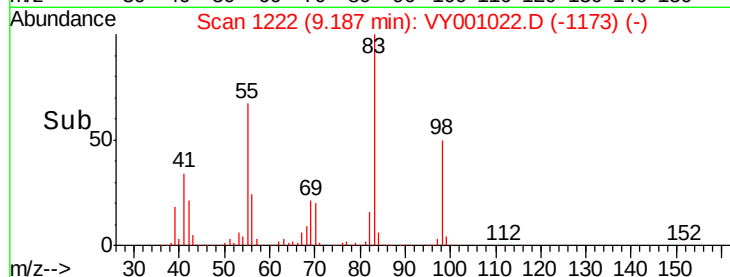
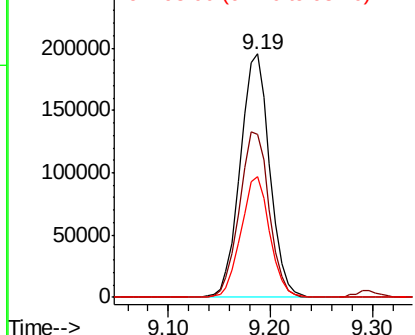
#39
Methylvlcyclohexane
Concen: 51.558 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

Tot Ion: 83 Resp: 391097
Ion Ratio Lower Upper
83 100
55 66.9 55.1 82.7
98 49.8 38.3 57.5

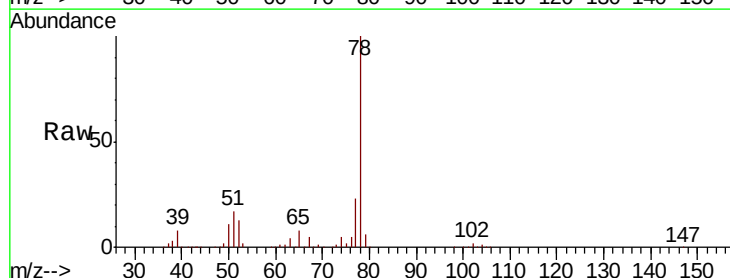


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

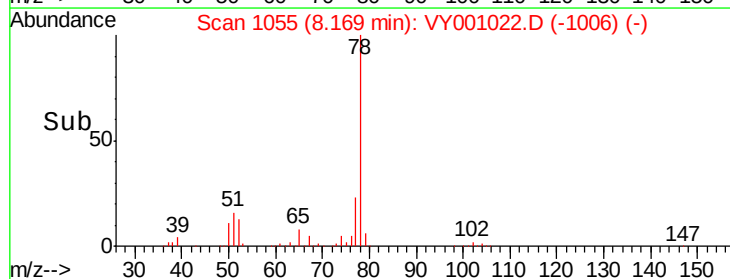
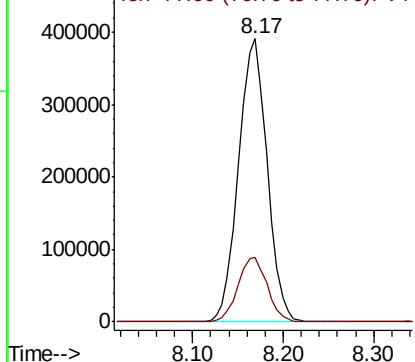


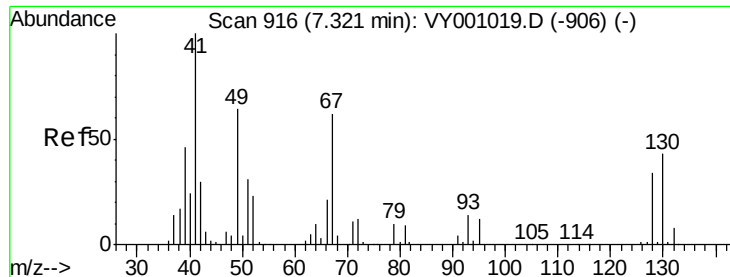
#40
Benzene
Concen: 49.627 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 78 Resp: 855216
Ion Ratio Lower Upper
78 100
77 22.7 17.7 26.5



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0

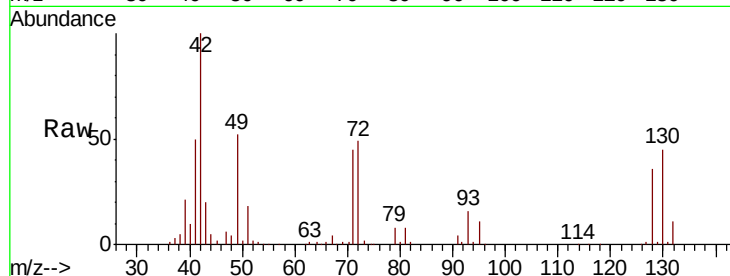




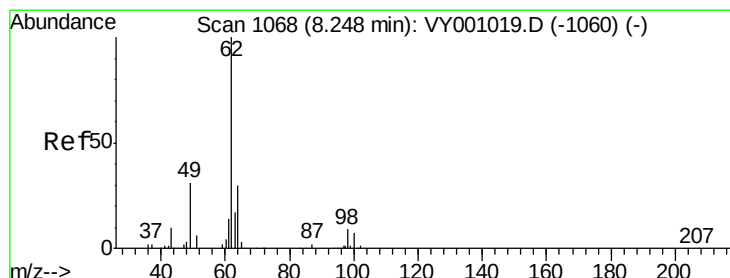
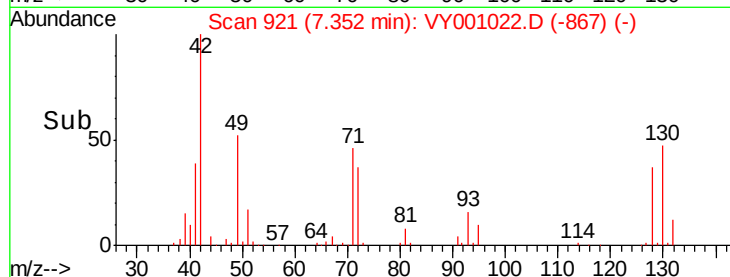
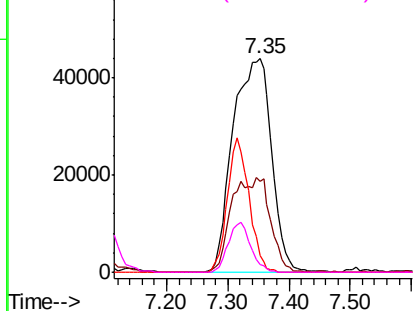
#41
Methacrylonitrile
Concen: 141.012 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.03 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

Tot Ion:	41	Resp:	193367
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

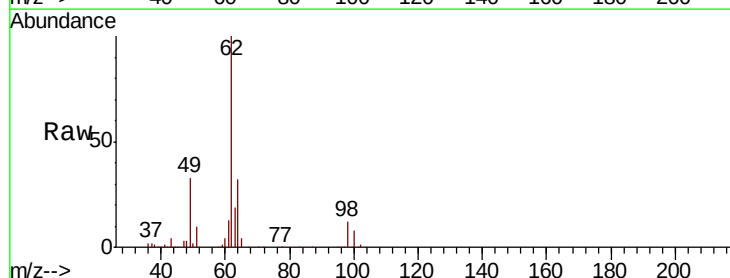


Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 39.00 (38.70 to 39.70): VY0
Ion 67.00 (66.70 to 67.70): VY0
Ion 52.00 (51.70 to 52.70): VY0

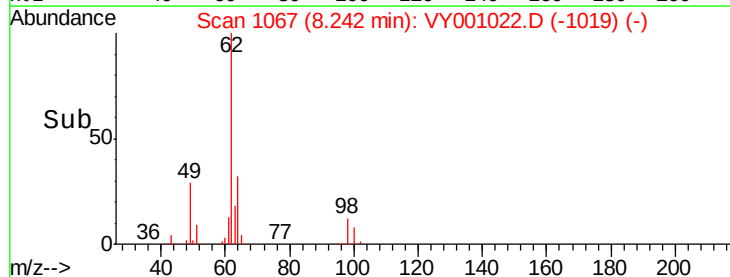
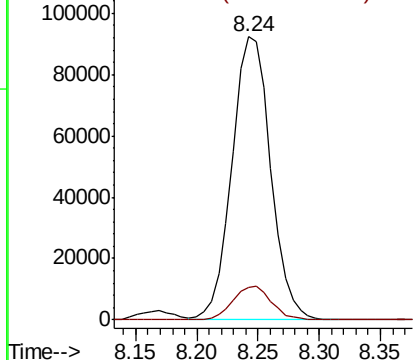


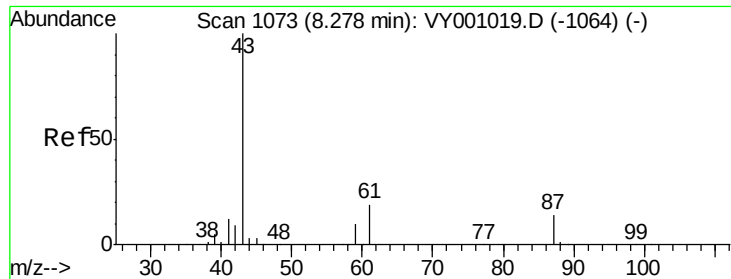
#42
1,2-Dichloroethane
Concen: 49.133 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:	62	Resp:	202431
Ion	Ratio	Lower	Upper
62	100		
98	11.8	0.0	23.4



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





#43

Isopropyl Acetate

Concen: 48.096 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVY122319

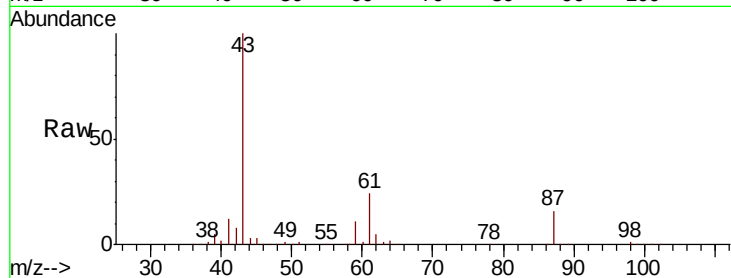
Tot Ion: 43 Resp: 281606

Ion Ratio Lower Upper

43 100

61 31.9 25.0 37.6

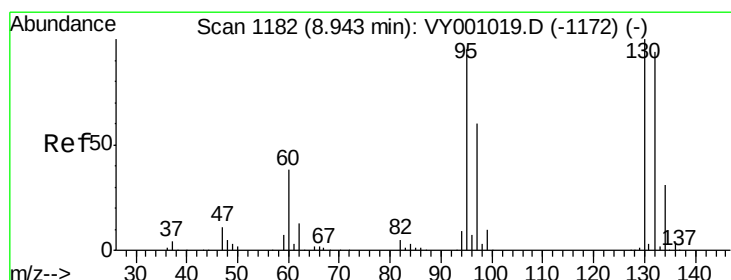
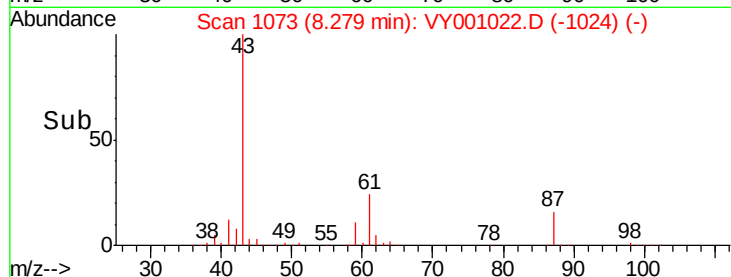
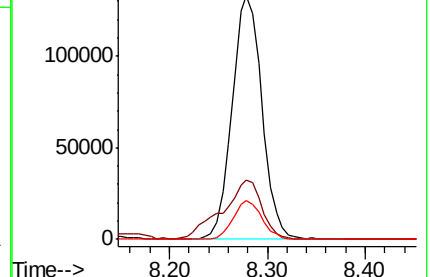
87 15.5 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VY001019.D (-1064) (-)

Ion 61.00 (60.70 to 61.70): VY001019.D (-1064) (-)

Ion 87.00 (86.70 to 87.70): VY001019.D (-1064) (-)



#44

Trichloroethene

Concen: 49.222 ug/l

RT: 8.94 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VY001022.D

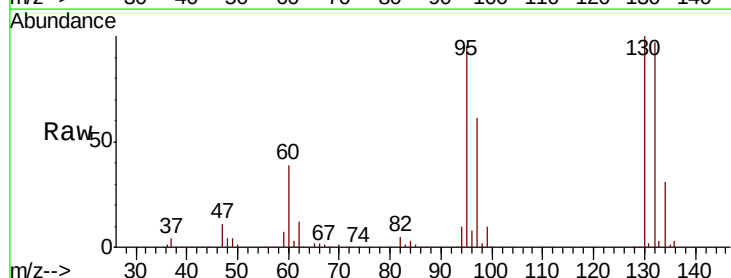
Acq: 23 Dec 2019 12:26

Tgt Ion:130 Resp: 223492

Ion Ratio Lower Upper

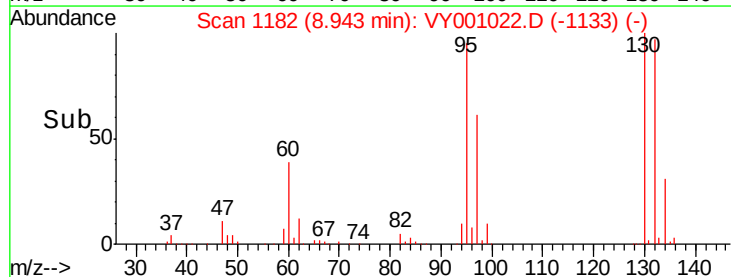
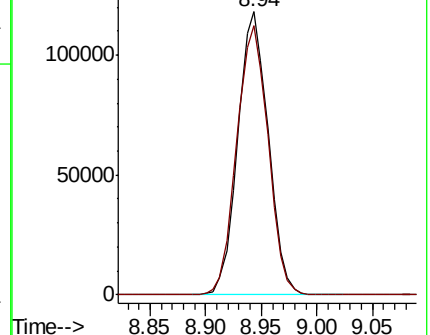
130 100

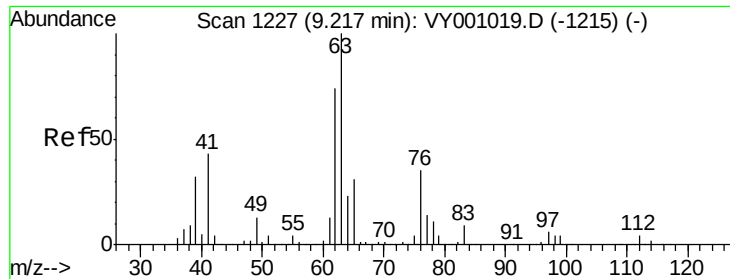
95 95.2 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): VY001019.D (-1172) (-)

Ion 94.90 (94.60 to 95.60): VY001019.D (-1172) (-)





#45

1,2-Dichloropropane

Concen: 48.370 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

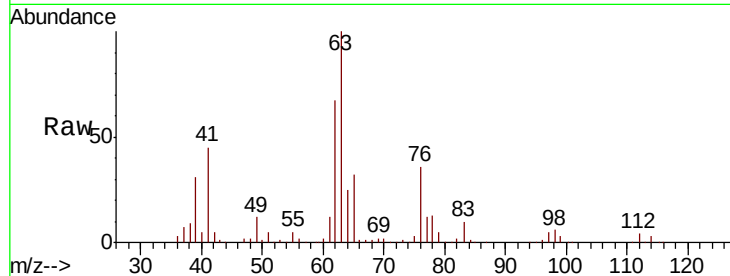
ICVVY122319

Tot Ion: 63 Resp: 209110

Ion Ratio Lower Upper

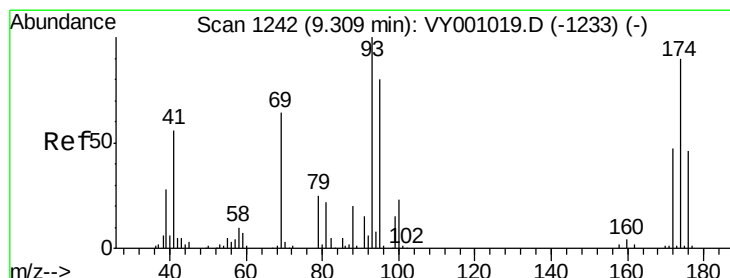
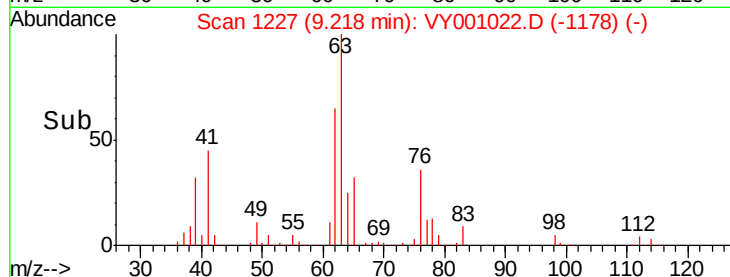
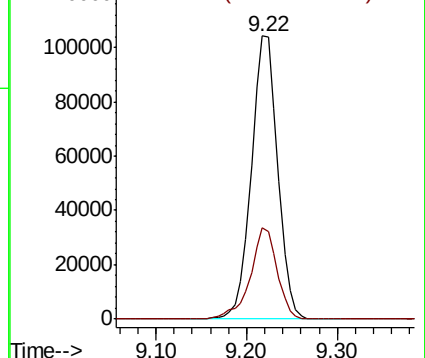
63 100

65 32.1 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 49.635 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

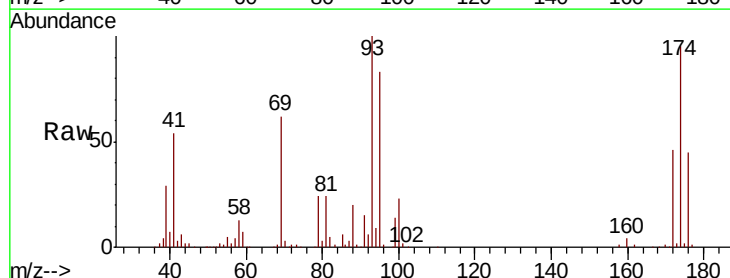
Tgt Ion: 93 Resp: 110614

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

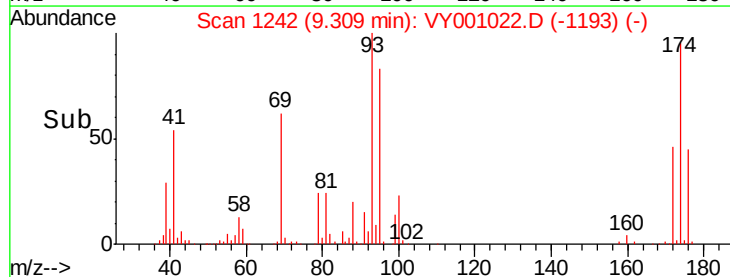
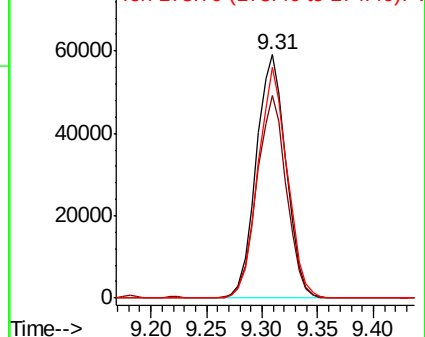
174 92.8 73.6 110.4

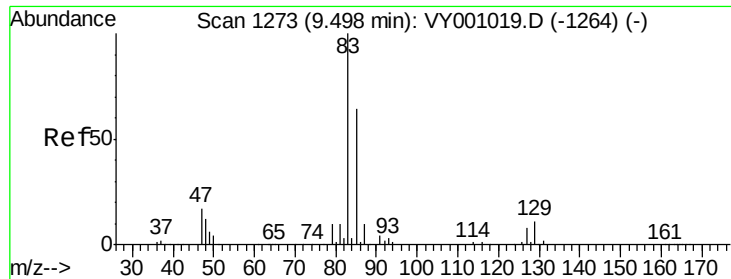


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.532 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVY122319

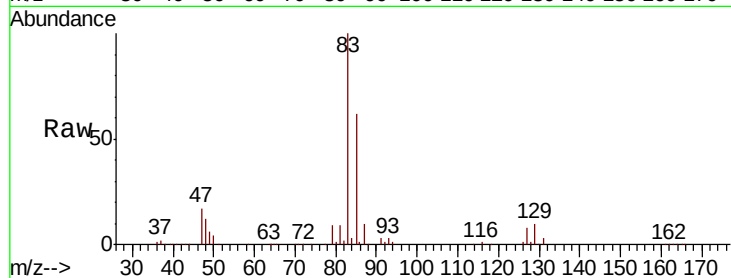
Tot Ion: 83 Resp: 255687

Ion Ratio Lower Upper

83 100

85 61.9 50.9 76.3

127 7.8 6.4 9.6

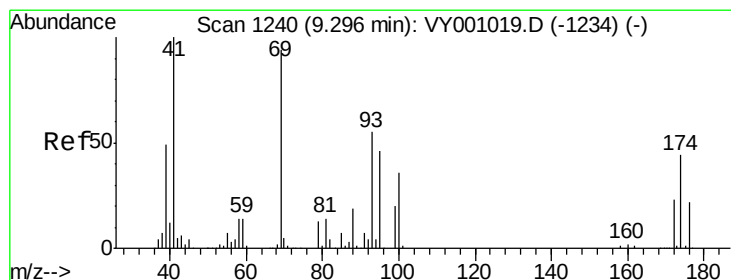
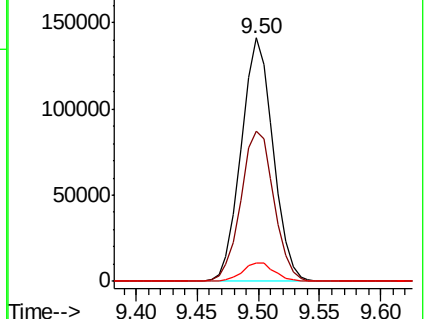
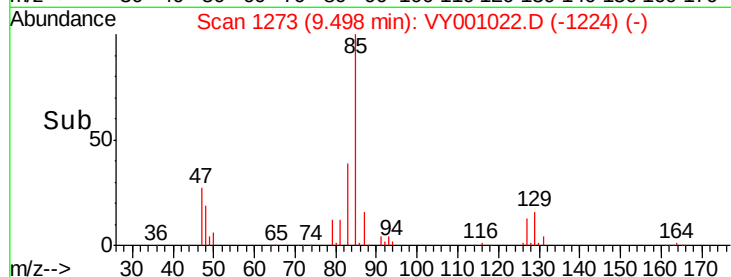


Abundance Ion 82.90 (82.60 to 83.60): VY001019.D (-1264) (-)

Ion 84.90 (84.60 to 85.60): VY001019.D (-1264) (-)

Ion 126.80 (126.50 to 127.50): VY001019.D (-1264) (-)

Time-->



#48

Methyl methacrylate

Concen: 47.775 ug/l

RT: 9.30 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

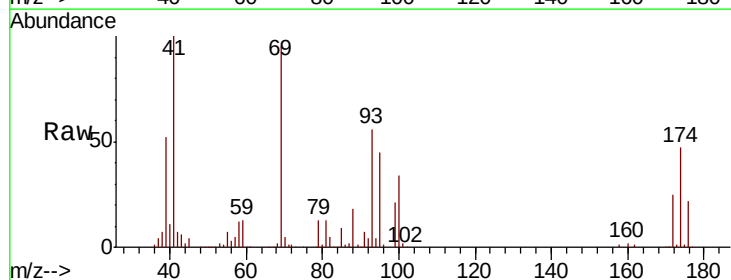
Tgt Ion: 41 Resp: 119368

Ion Ratio Lower Upper

41 100

69 106.1 79.8 119.6

39 54.5 41.7 62.5

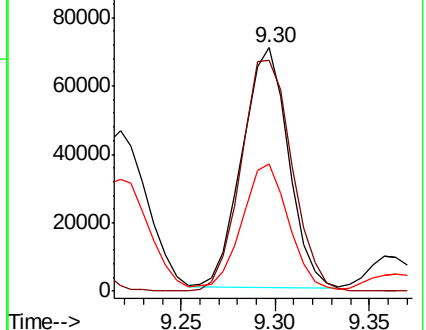
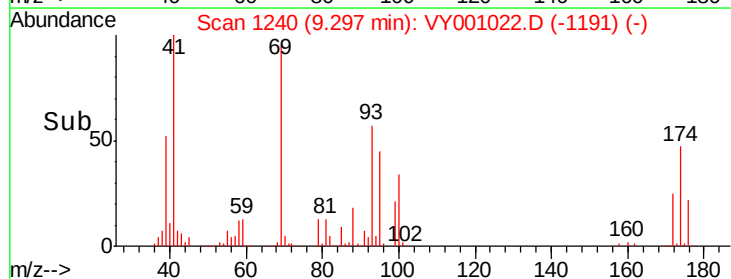


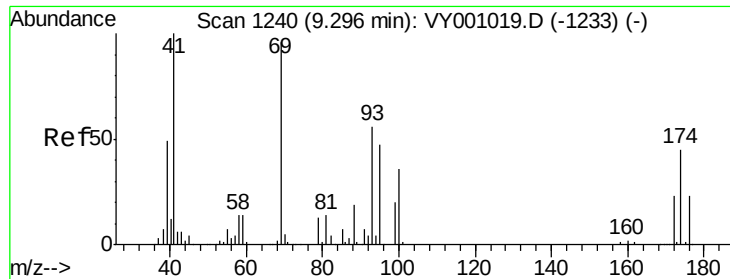
Abundance Ion 41.00 (40.70 to 41.70): VY001019.D (-1234) (-)

Ion 69.00 (68.70 to 69.70): VY001019.D (-1234) (-)

Ion 39.00 (38.70 to 39.70): VY001019.D (-1234) (-)

Time-->

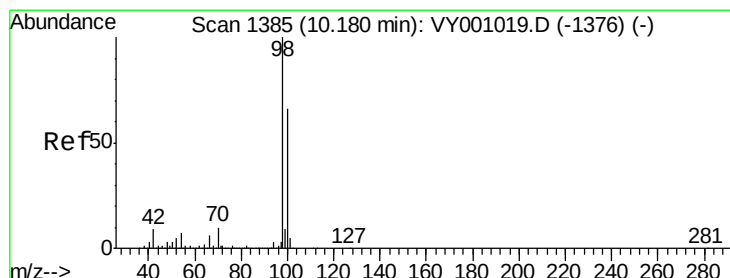
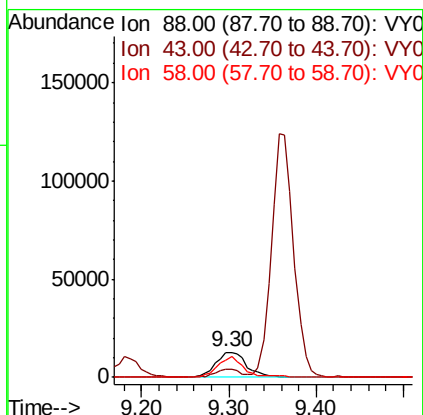
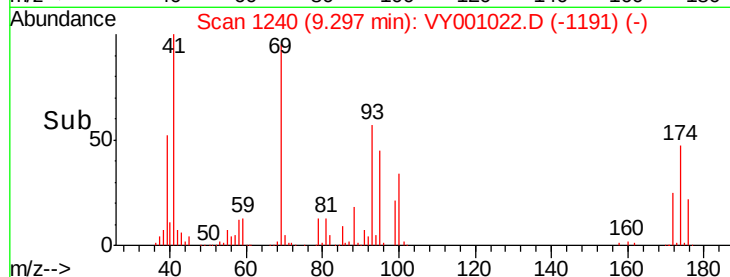
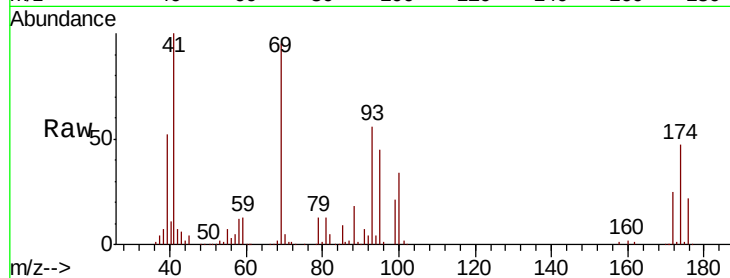




#49
1,4-Dioxane
Concen: 976.784 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

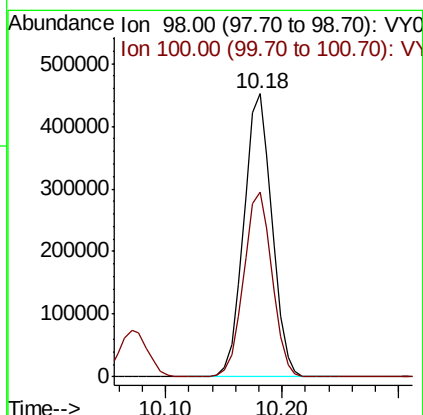
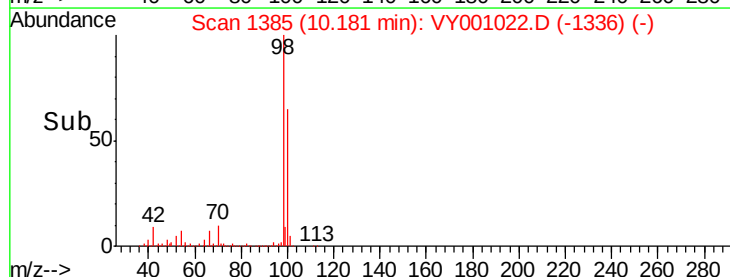
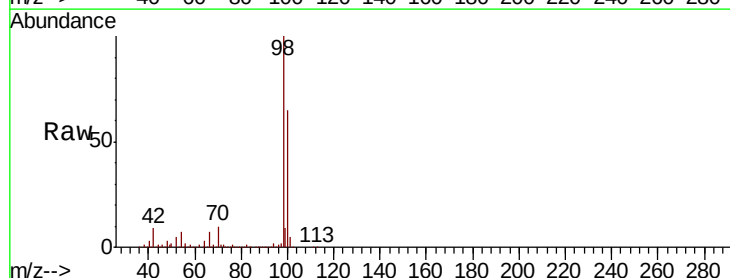
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

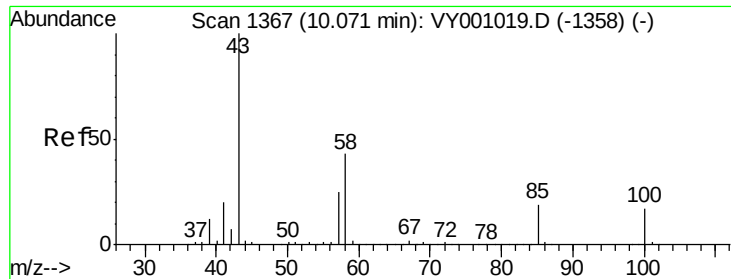
Tot Ion: 88 Resp: 31843
Ion Ratio Lower Upper
88 100
43 23.6 23.0 34.4
58 69.9 54.9 82.3



#50
Toluene-d8
Concen: 55.316 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 98 Resp: 762200
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

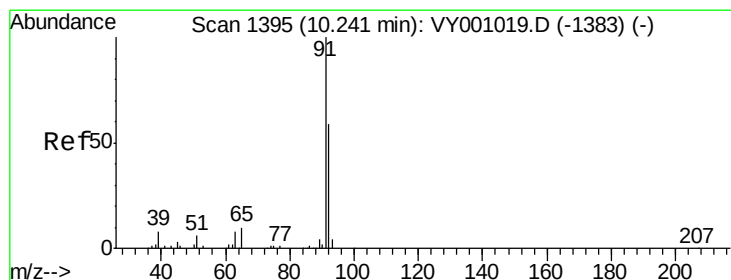
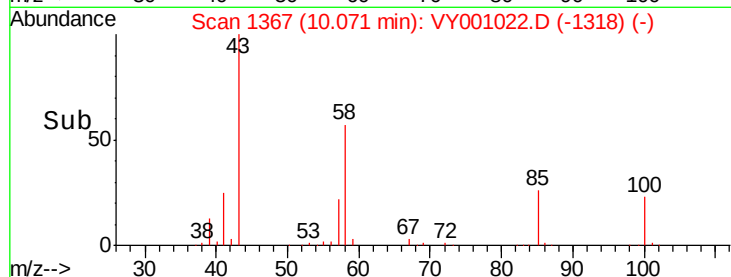
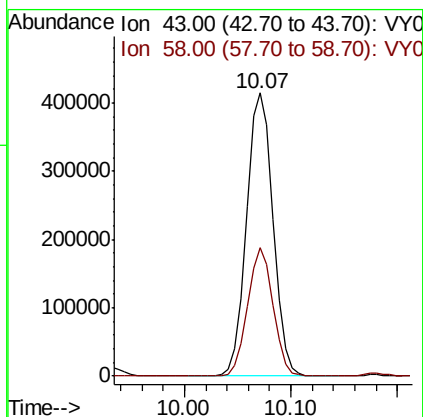
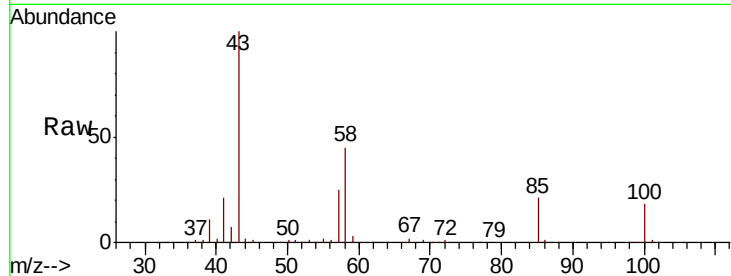




#51
4-Methyl-2-Pentanone
Concen: 237.455 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

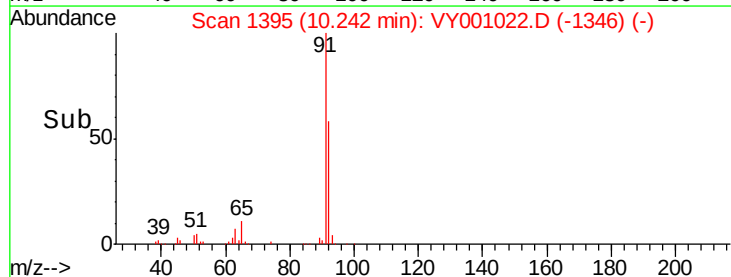
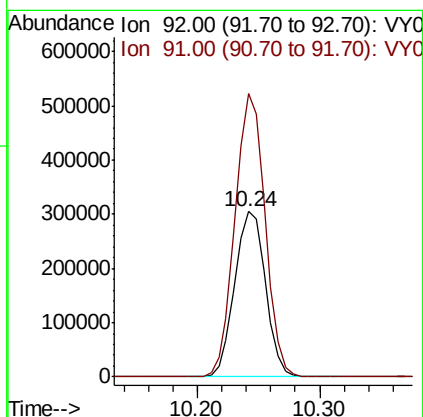
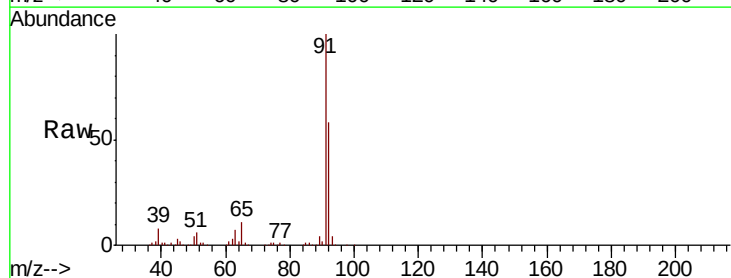
Instrument :
MSVOA_Y
ClientSampleId :
ICVY122319

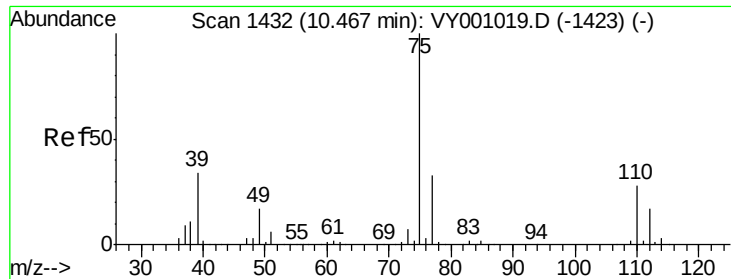
Tot Ion: 43 Resp: 724649
Ion Ratio Lower Upper
43 100
58 43.6 34.6 52.0



#52
Toluene
Concen: 49.898 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 92 Resp: 529256
Ion Ratio Lower Upper
92 100
91 167.7 135.7 203.5





#53

t-1,3-Dichloropropene

Concen: 50.283 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

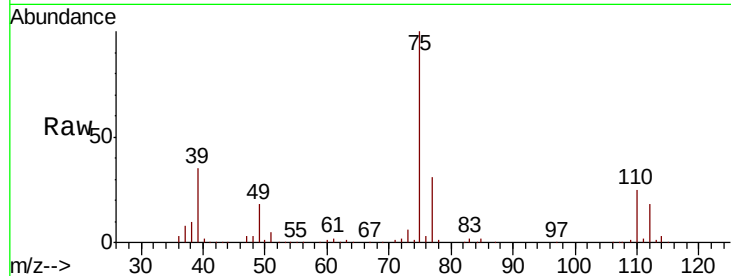
ICVVY122319

Tot Ion: 75 Resp: 281705

Ion Ratio Lower Upper

75 100

77 30.9 26.5 39.7



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

10.47

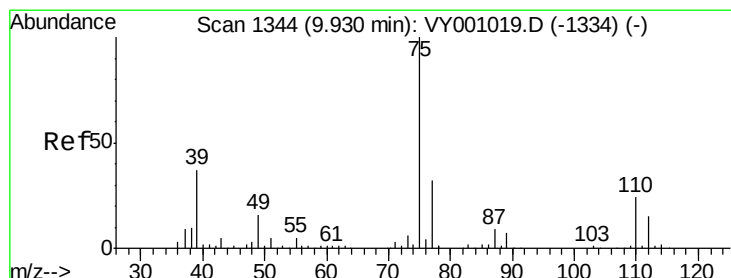
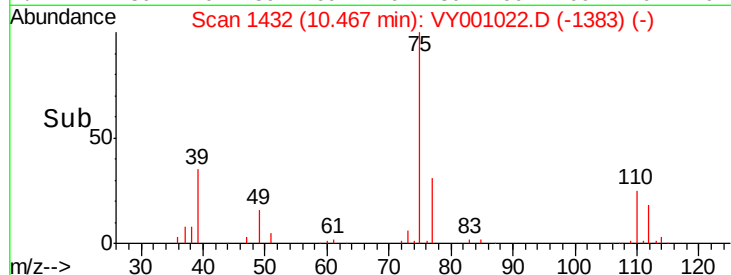
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.416 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

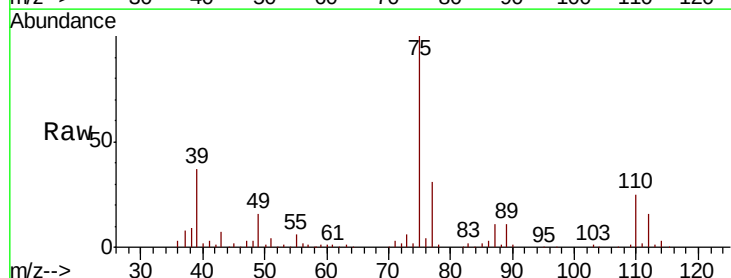
Tgt Ion: 75 Resp: 332893

Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 36.6 29.5 44.3



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0

9.93

250000

200000

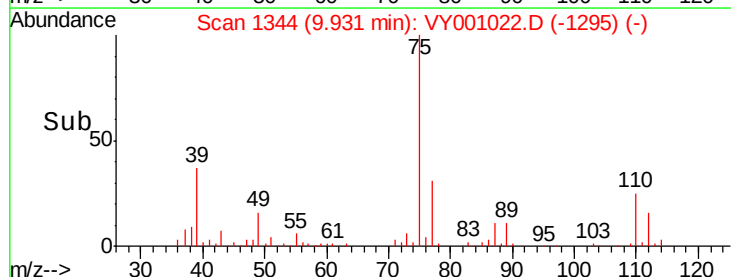
150000

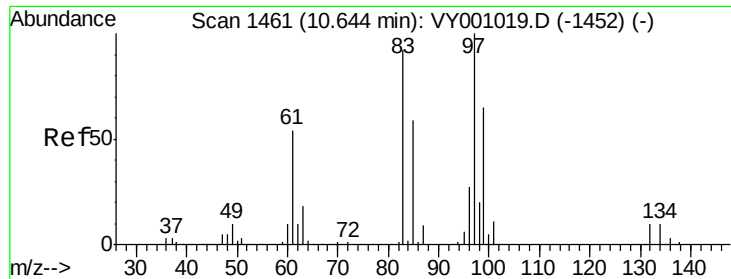
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.076 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

Tot Ion: 97 Resp: 163273

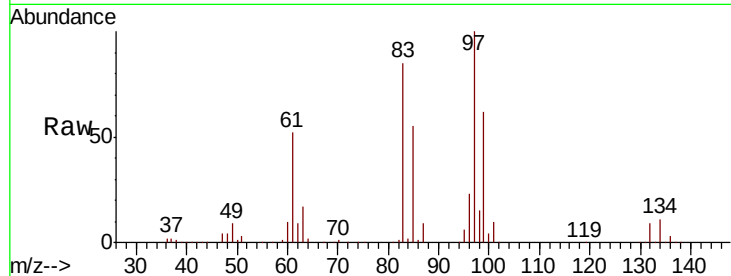
Ion Ratio Lower Upper

97 100

83 85.1 73.7 110.5

85 54.6 47.3 70.9

99 61.9 51.9 77.9

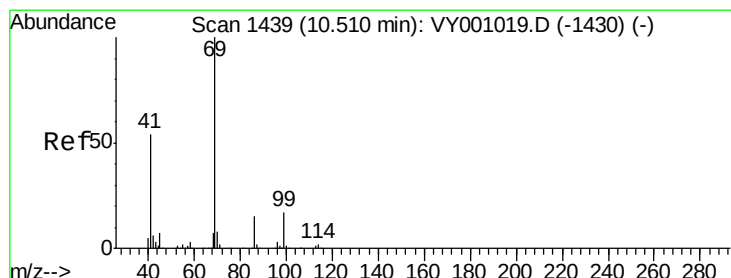
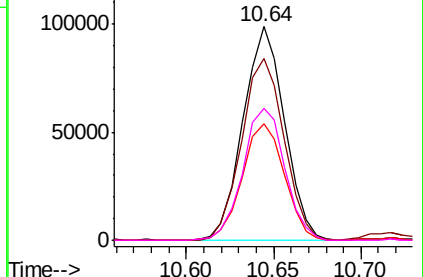
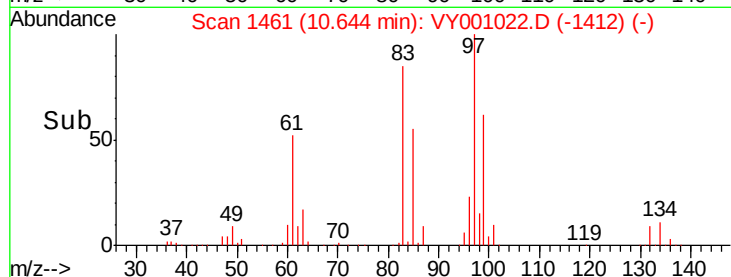


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 50.674 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

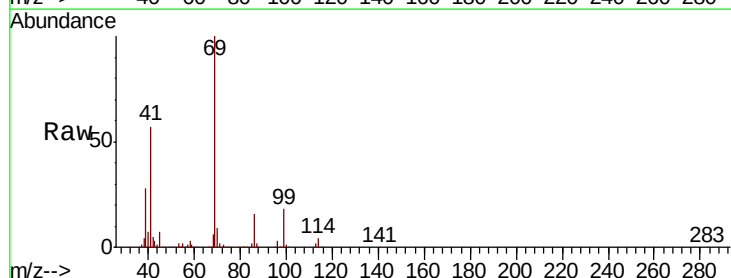
Tgt Ion: 69 Resp: 239945

Ion Ratio Lower Upper

69 100

41 54.2 44.7 67.1

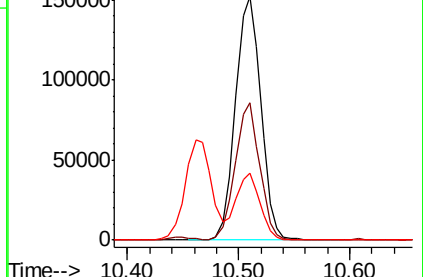
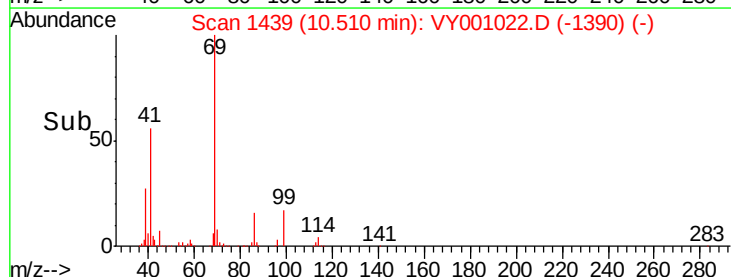
39 26.6 22.2 33.4

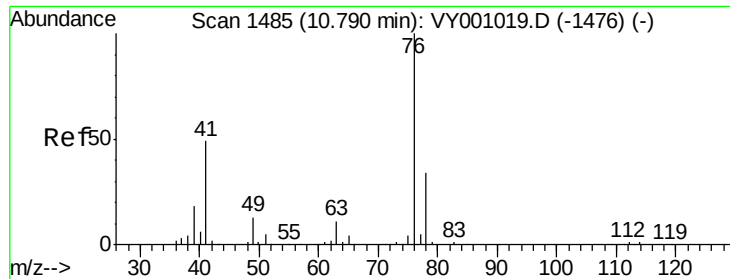


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 48.166 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

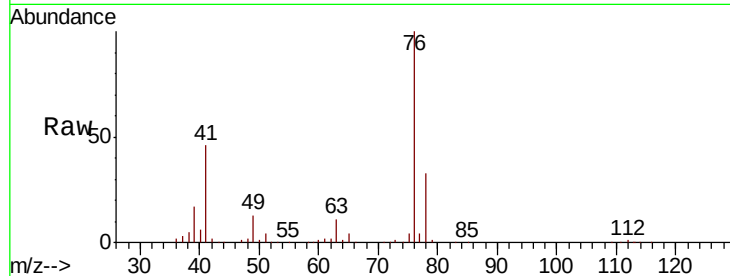
ICVYV122319

Tot Ion: 76 Resp: 280881

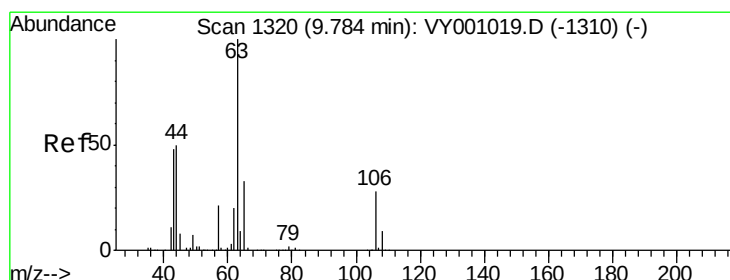
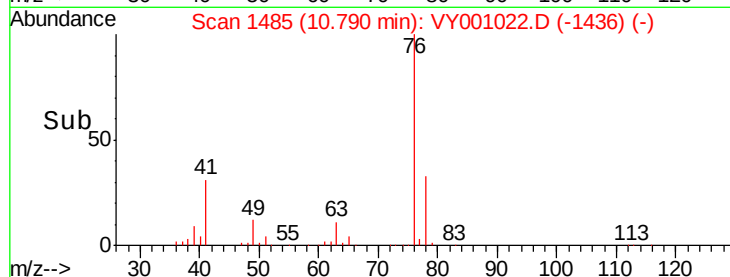
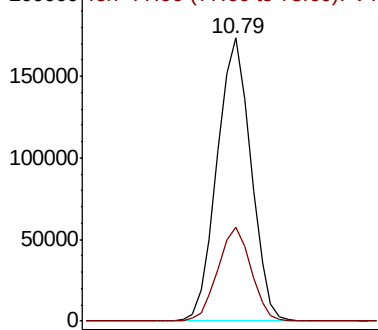
Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



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: 237.375 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY001022.D

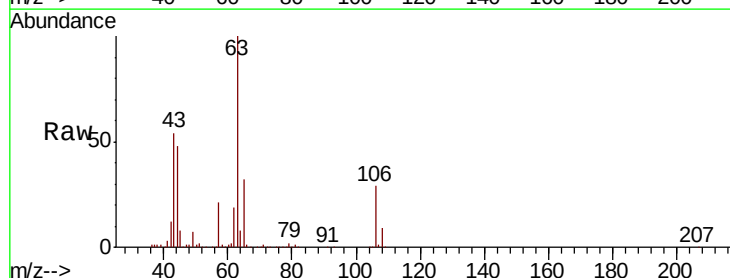
Acq: 23 Dec 2019 12:26

Tgt Ion: 63 Resp: 434124

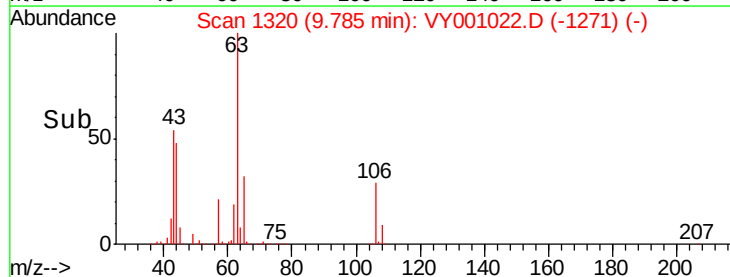
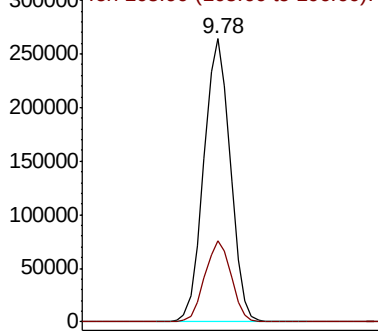
Ion Ratio Lower Upper

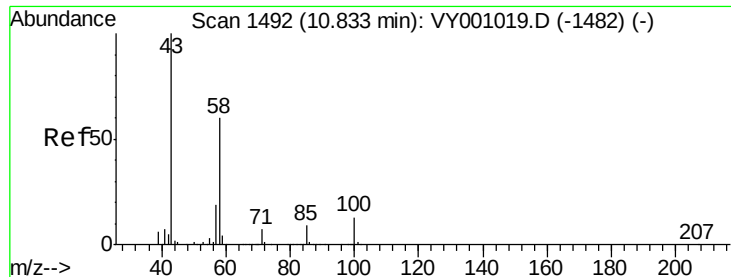
63 100

106 28.7 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VY0
Ion 105.90 (105.60 to 106.60): V

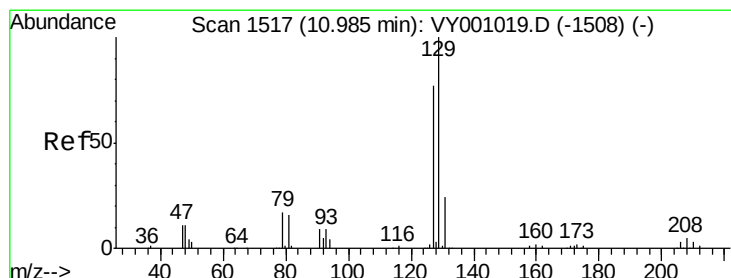
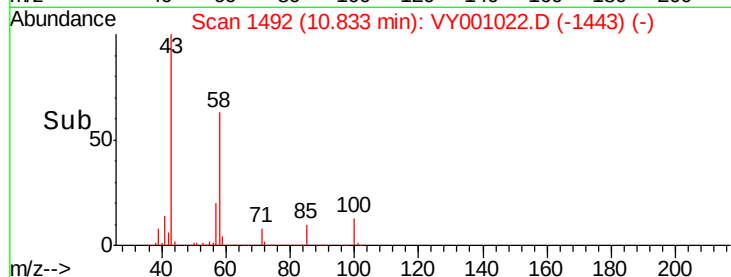
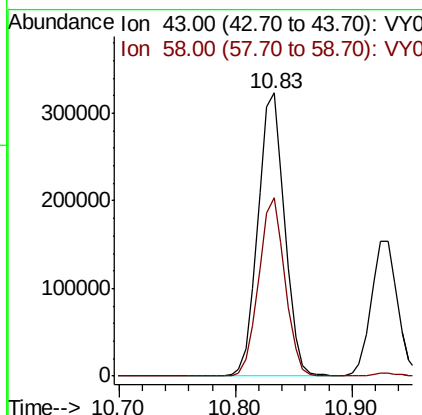
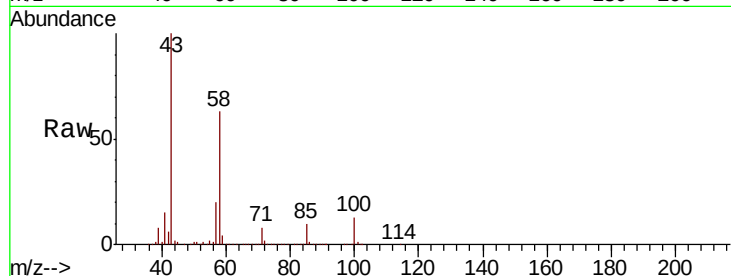




#59
2-Hexanone
Concen: 242.913 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

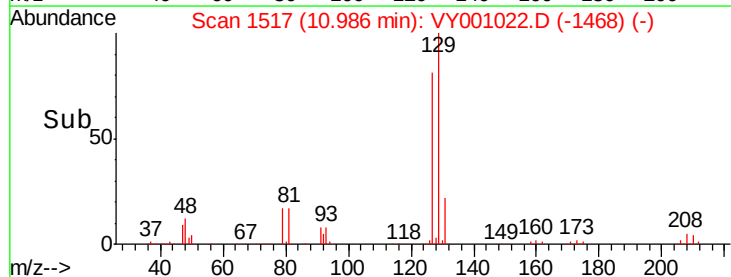
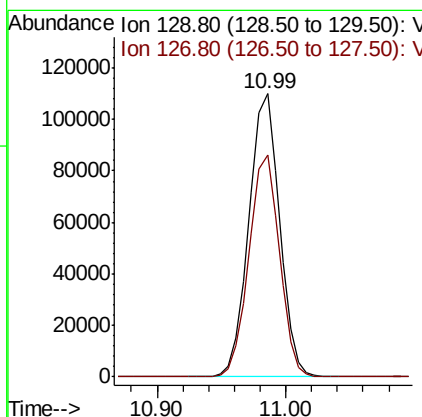
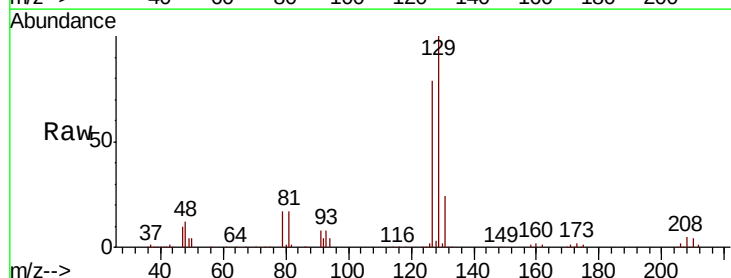
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

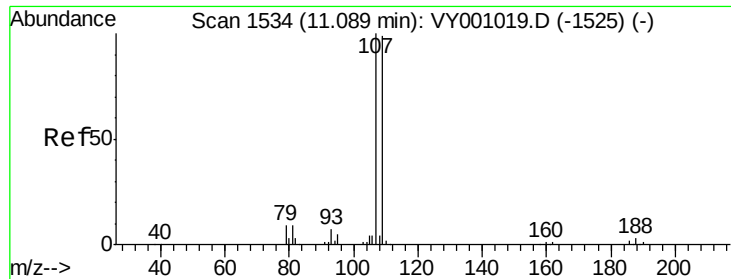
Tot Ion: 43 Resp: 512941
Ion Ratio Lower Upper
43 100
58 62.0 30.6 91.6



#60
Dibromochloromethane
Concen: 50.775 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 129 Resp: 180442
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3

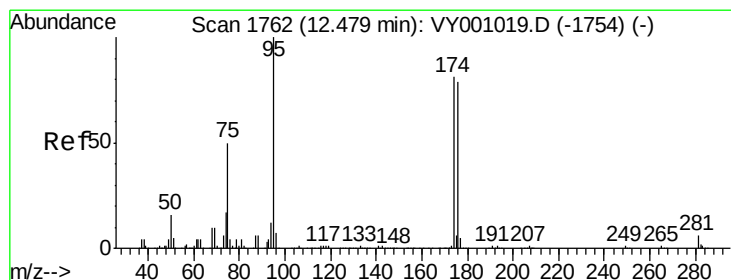
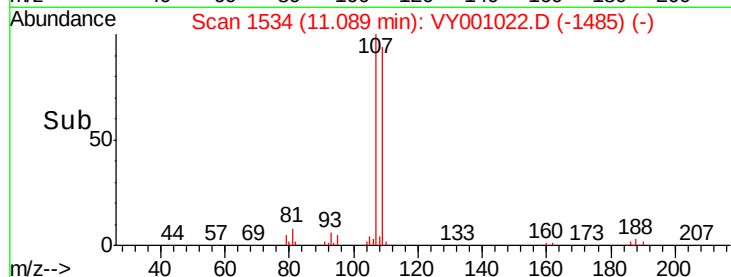
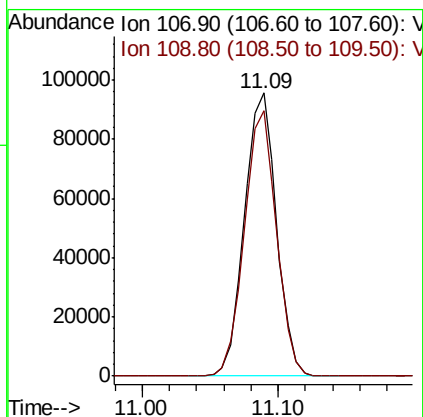
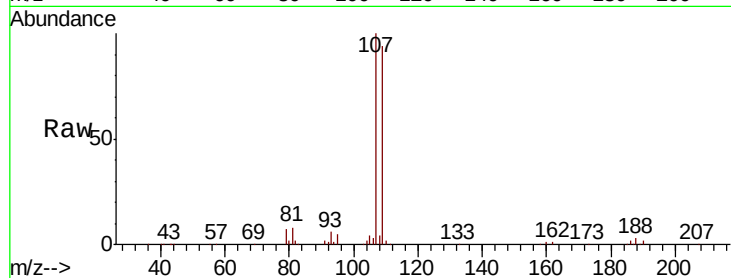




#61
 1,2-Dibromoethane
 Concen: 49.593 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

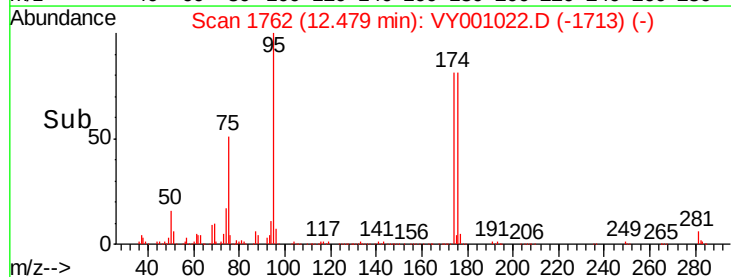
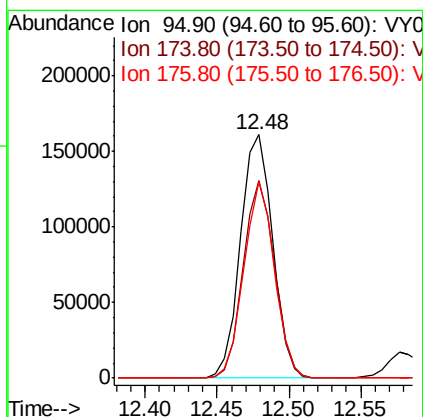
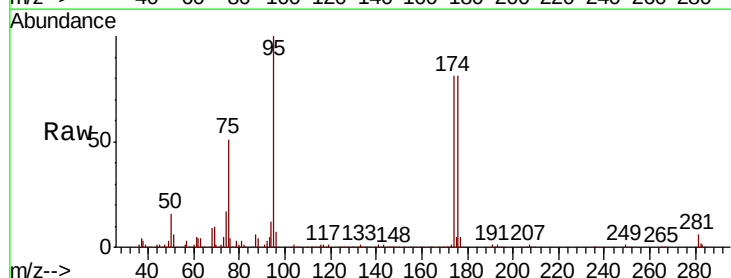
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

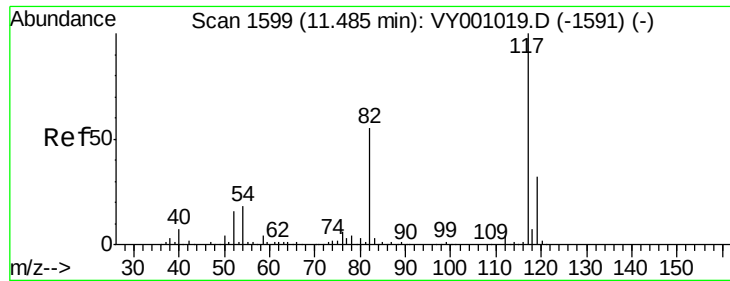
Tot Ion:107 Resp: 157778
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 49.551 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

Tgt Ion: 95 Resp: 249633
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 156.4
 176 76.4 0.0 155.0

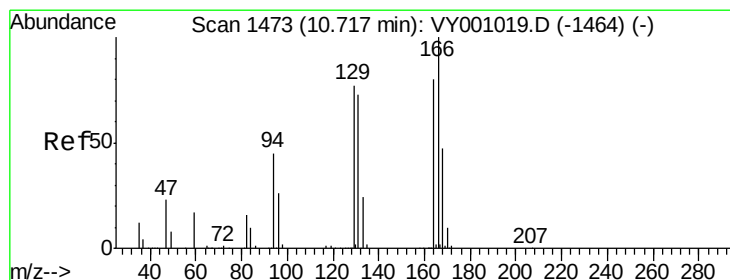
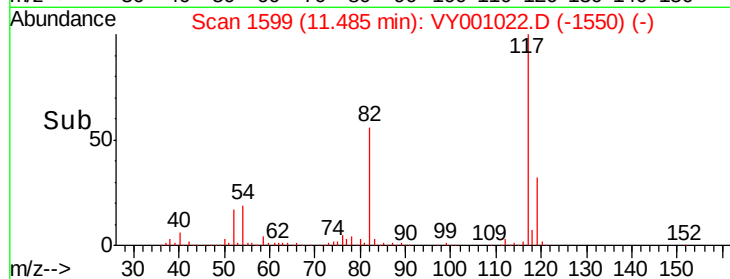
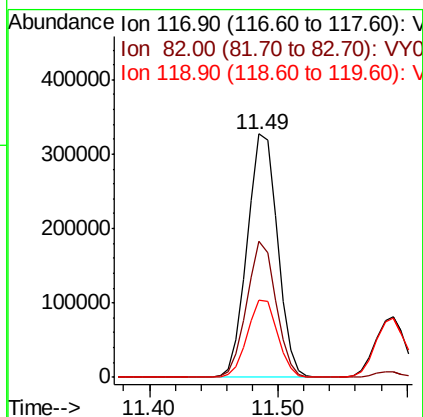
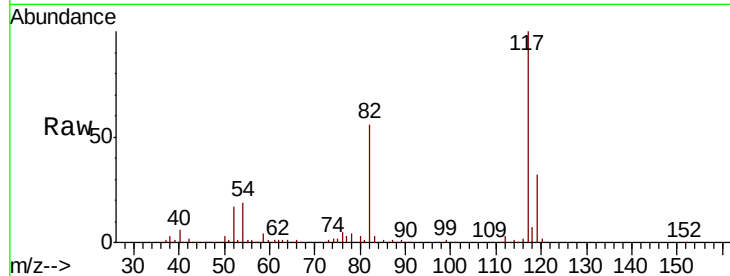




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

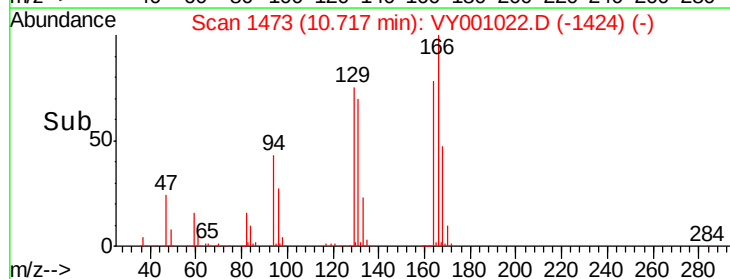
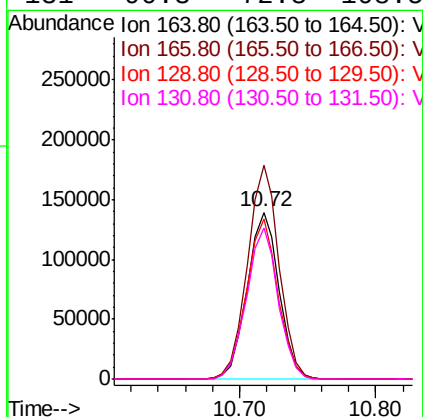
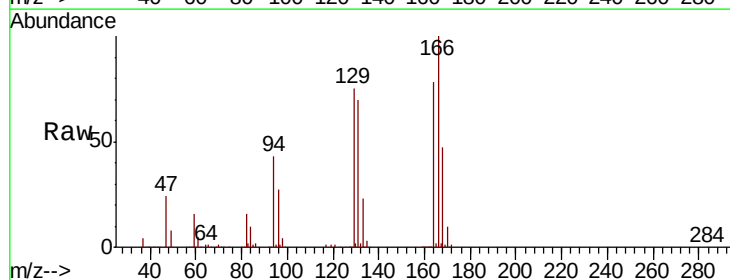
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

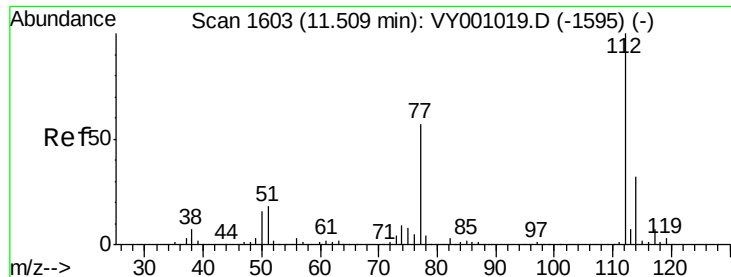
Tot Ion:117 Resp: 530508
Ion Ratio Lower Upper
117 100
82 55.7 43.8 65.8
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 49.745 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:164 Resp: 228338
Ion Ratio Lower Upper
164 100
166 128.1 99.7 149.5
129 95.8 76.9 115.3
131 90.3 72.3 108.5

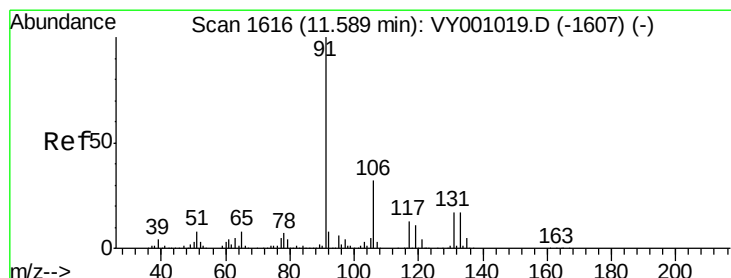
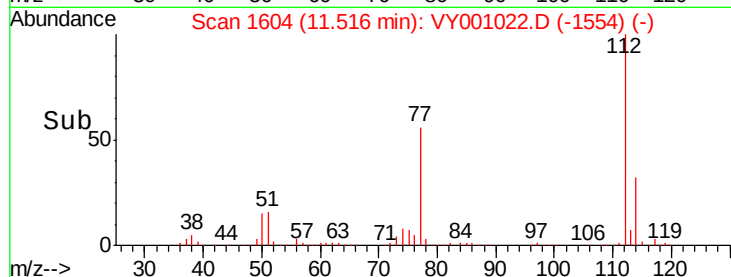
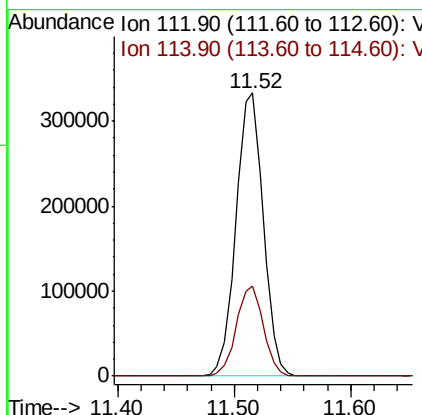
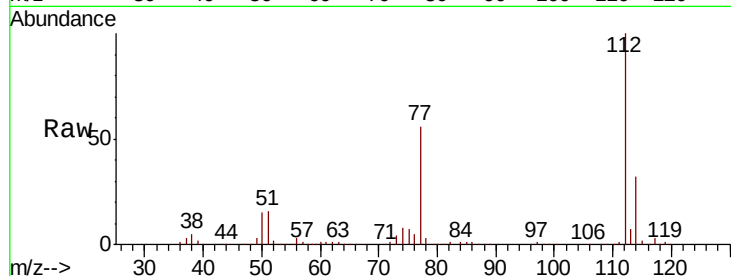




#65
Chlorobenzene
Concen: 49.461 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

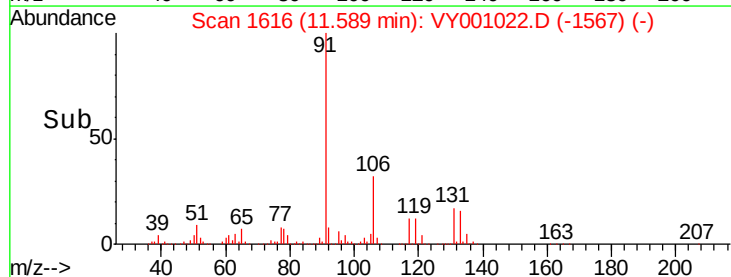
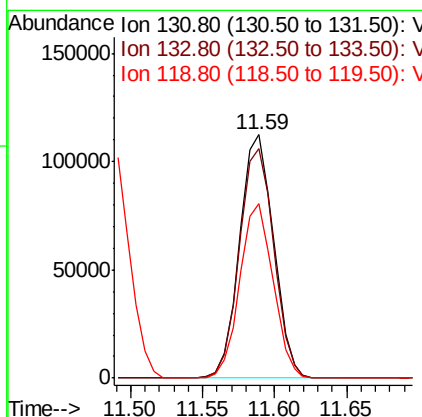
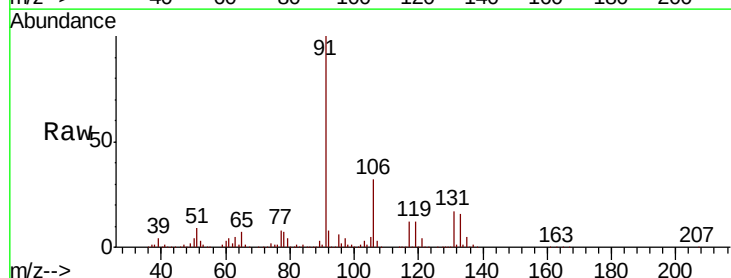
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

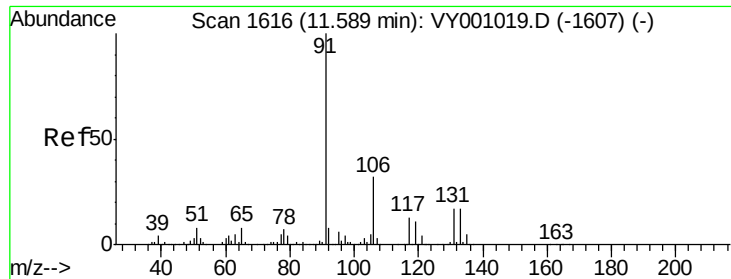
Tot Ion:112 Resp: 544288
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 50.637 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:131 Resp: 183887
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 70.2 34.0 101.8

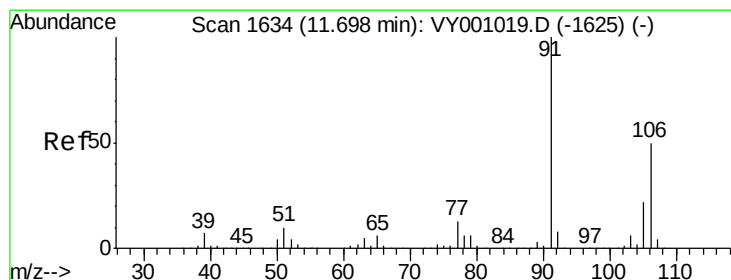
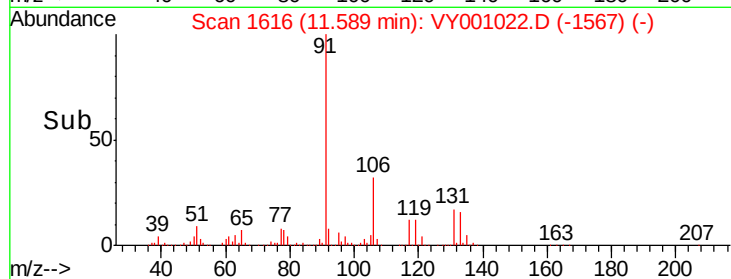
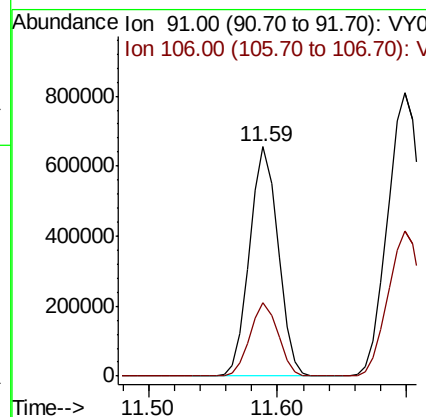
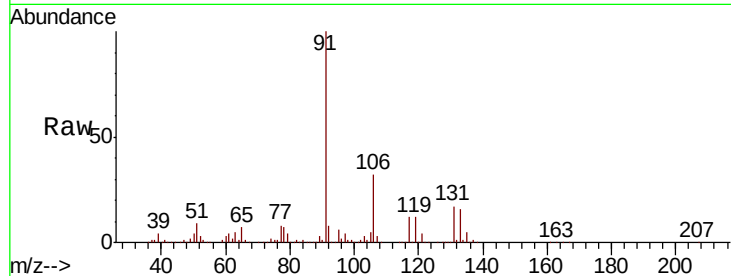




#67
Ethyl Benzene
Concen: 50.386 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

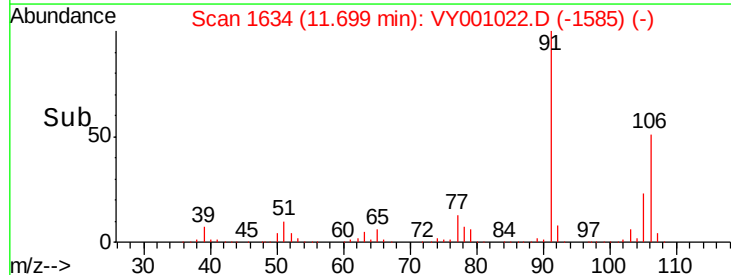
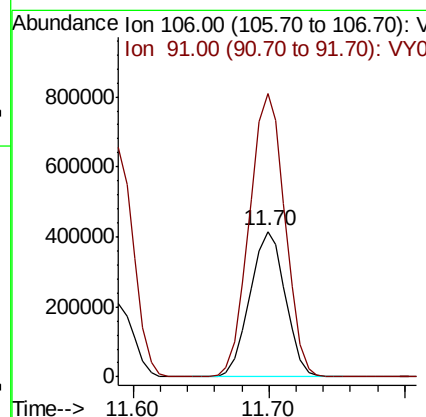
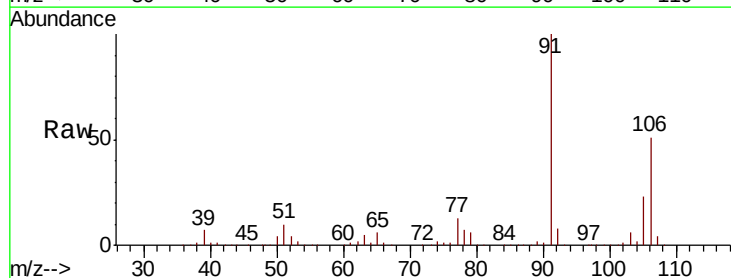
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

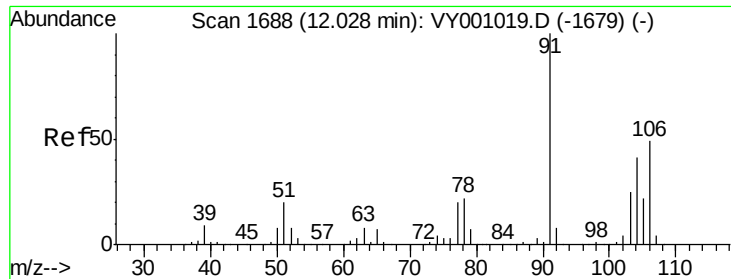
Tot Ion: 91 Resp: 997309
Ion Ratio Lower Upper
91 100
106 32.3 25.3 37.9



#68
m/p-Xylenes
Concen: 100.679 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 106 Resp: 756645
Ion Ratio Lower Upper
106 100
91 196.0 156.4 234.6

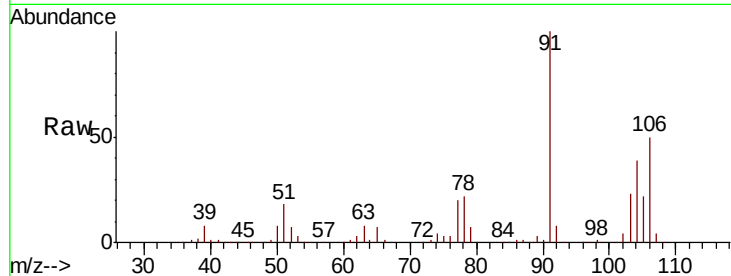




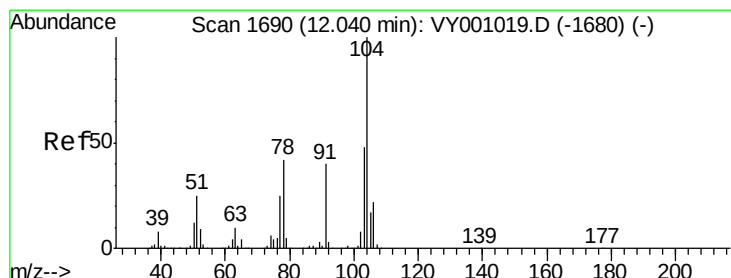
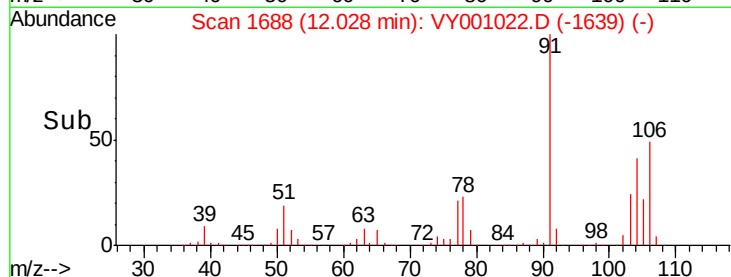
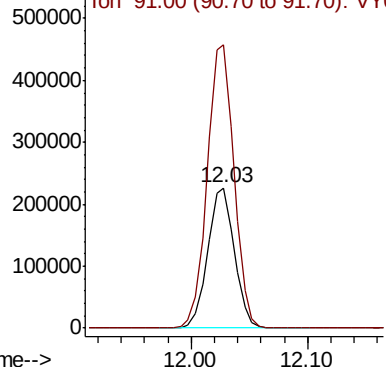
#69
o-Xylene
Concen: 50.917 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampled :
ICVVY122319

Tot Ion:106 Resp: 359994
Ion Ratio Lower Upper
106 100
91 203.9 103.0 309.0

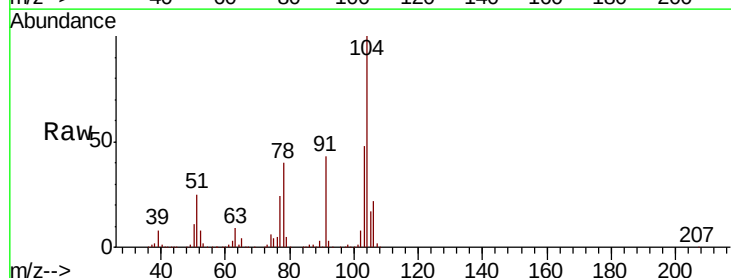


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

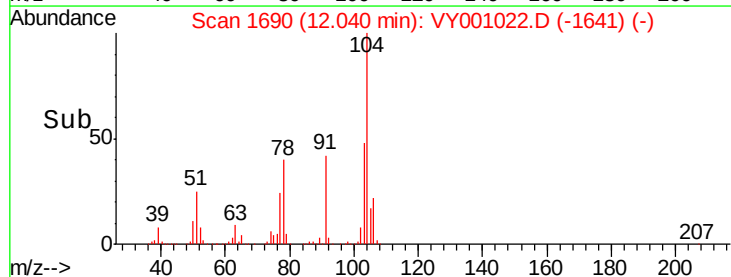
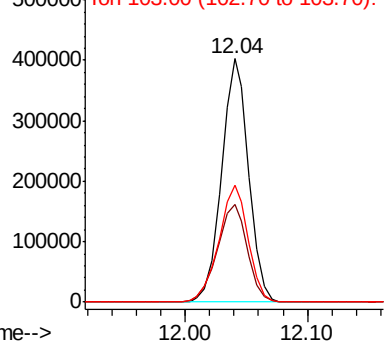


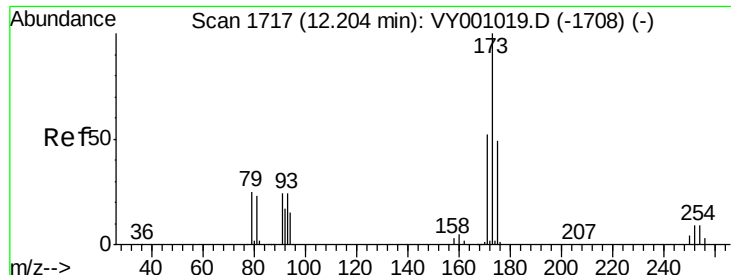
#70
Styrene
Concen: 51.359 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:104 Resp: 617437
Ion Ratio Lower Upper
104 100
78 44.8 36.6 54.8
103 52.4 42.6 64.0



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





#71

Bromoform

Concen: 51.729 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

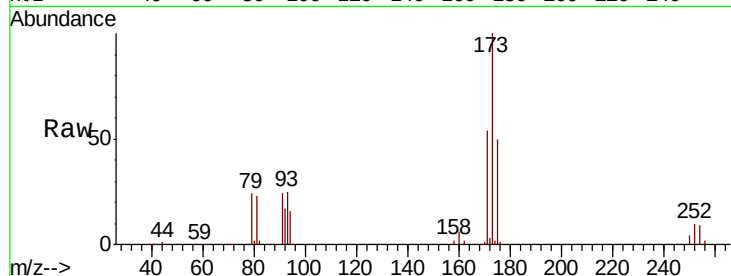
Tot Ion:173 Resp: 104600

Ion Ratio Lower Upper

173 100

175 48.7 24.5 73.5

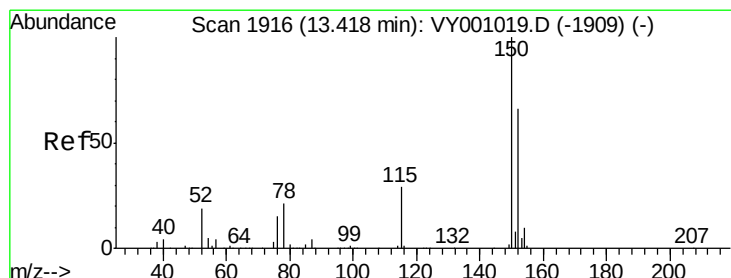
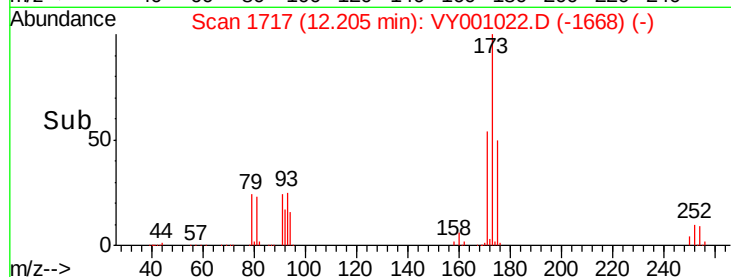
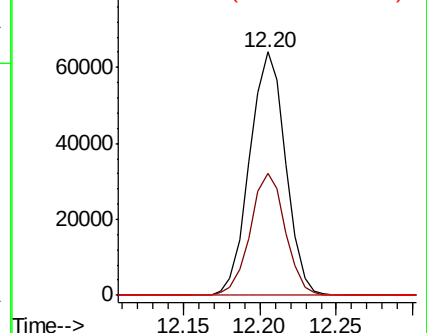
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.01 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

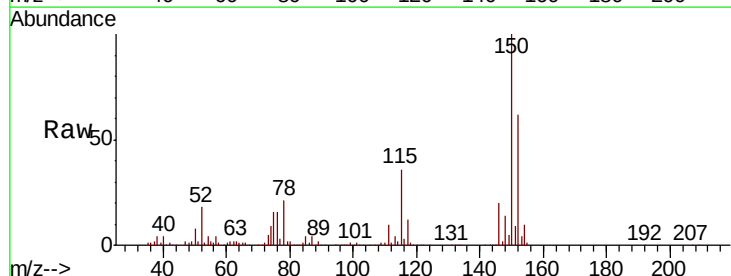
Tgt Ion:152 Resp: 242254

Ion Ratio Lower Upper

152 100

115 58.8 29.8 89.3

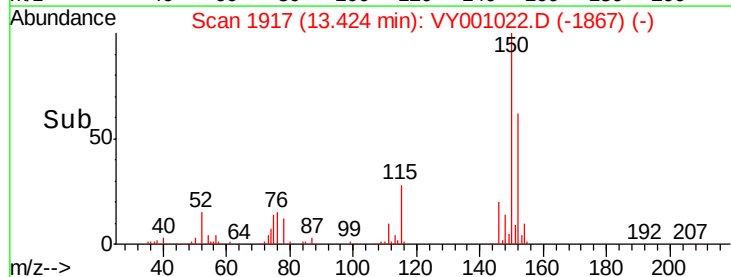
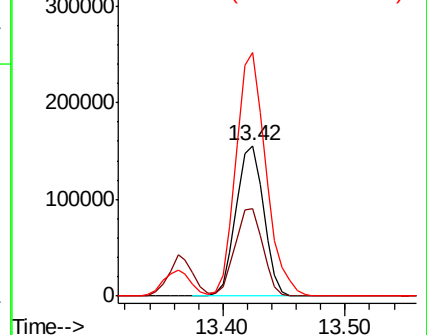
150 175.2 0.0 352.6

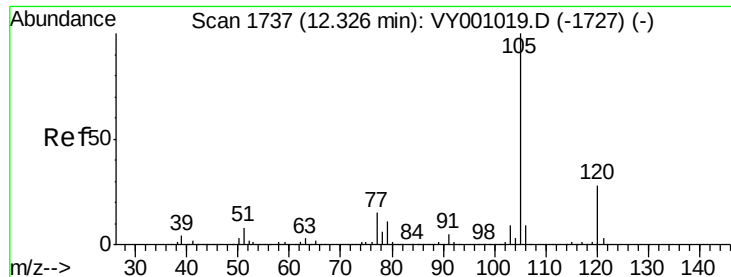


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

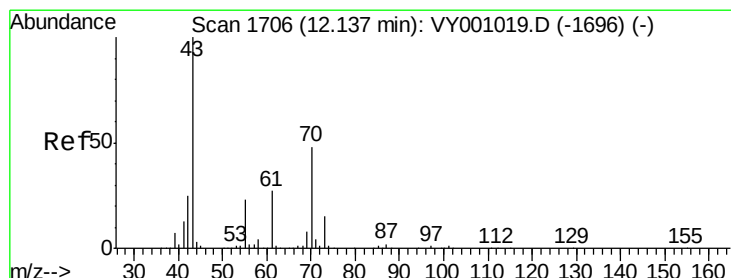
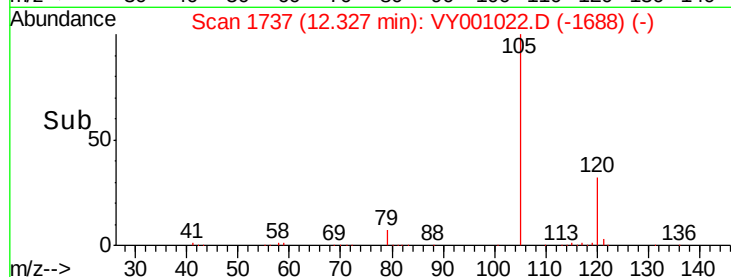
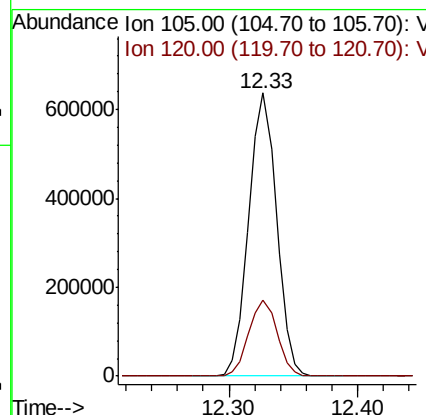
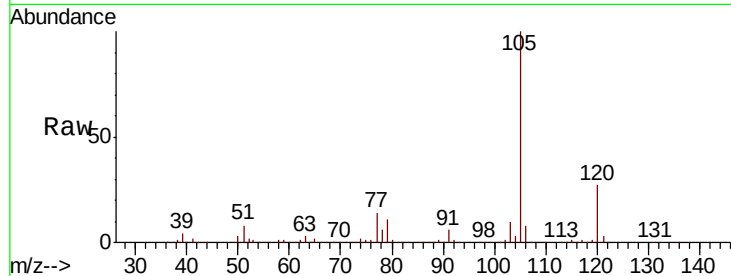




#73
Isopropylbenzene
Concen: 50.663 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

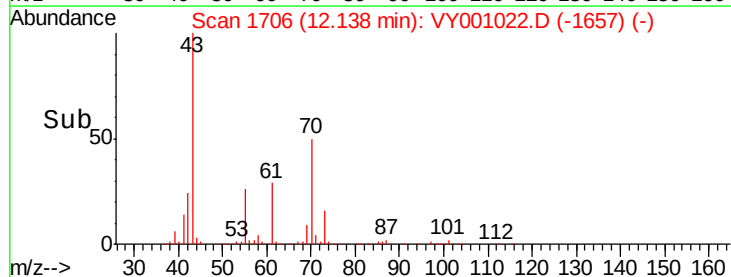
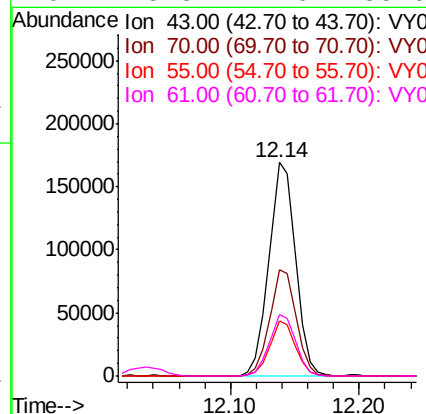
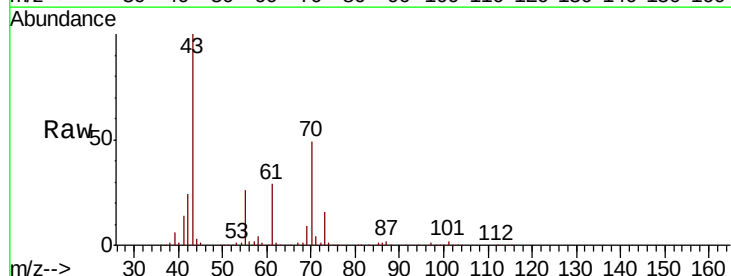
Instrument :
MSVOA_Y
ClientSampleId :
ICVY122319

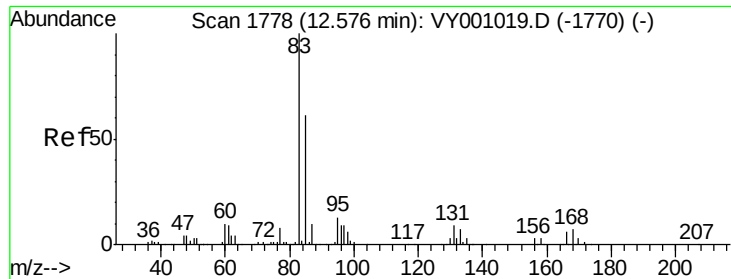
Tot Ion:105 Resp: 949773
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.2



#74
N-ethyl acetate
Concen: 49.551 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion: 43 Resp: 244037
Ion Ratio Lower Upper
43 100
70 49.5 39.0 58.6
55 25.2 19.5 29.3
61 28.3 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.950 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

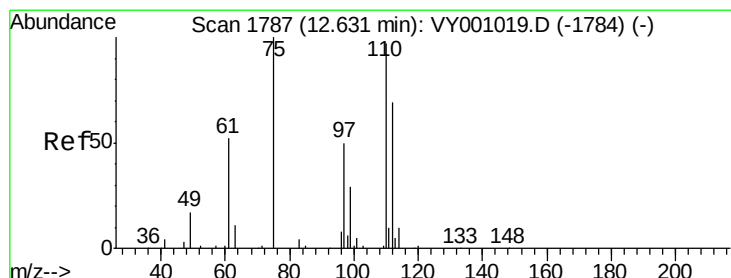
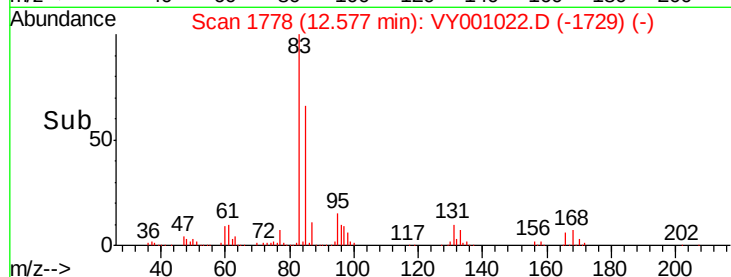
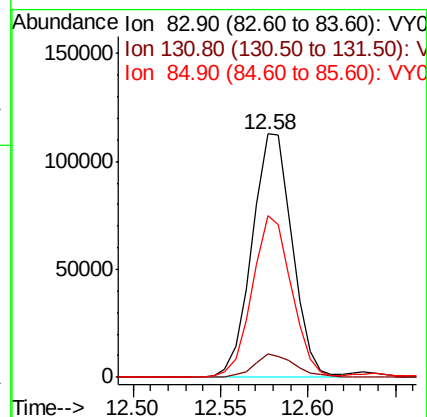
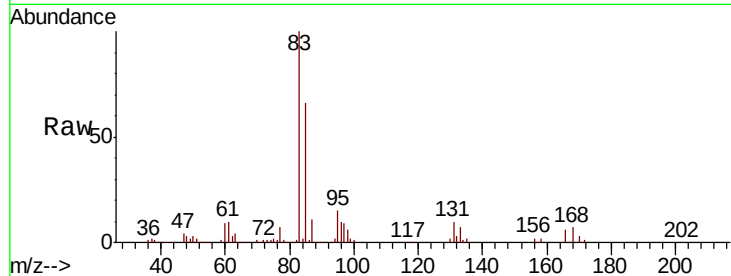
Tot Ion: 83 Resp: 180779

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

85 64.9 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 85.836 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VY001022.D

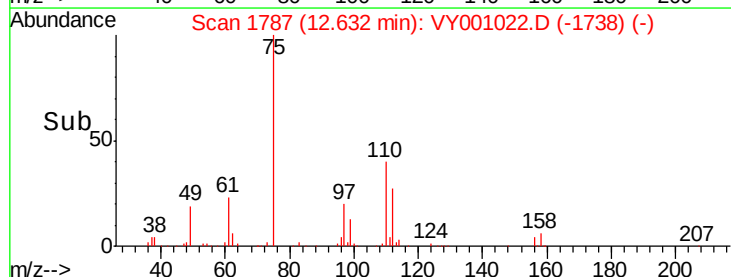
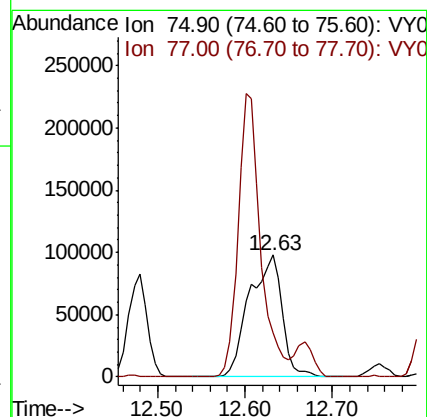
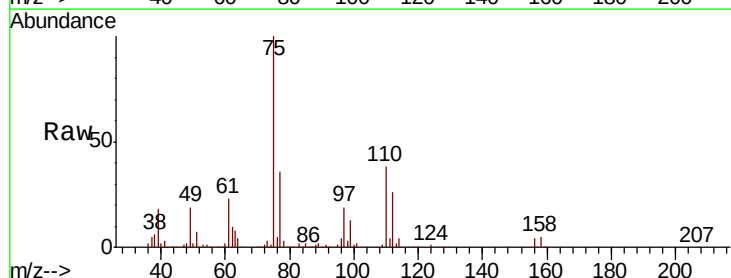
Acq: 23 Dec 2019 12:26

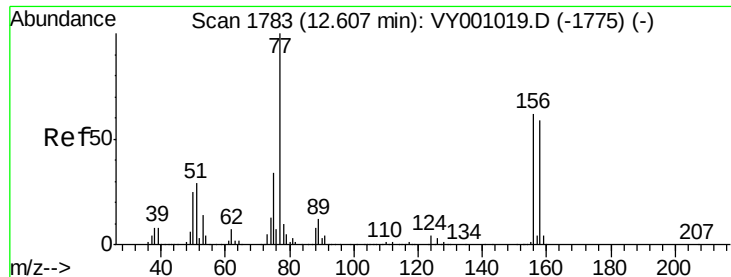
Tgt Ion: 75 Resp: 256349

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 50.040 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

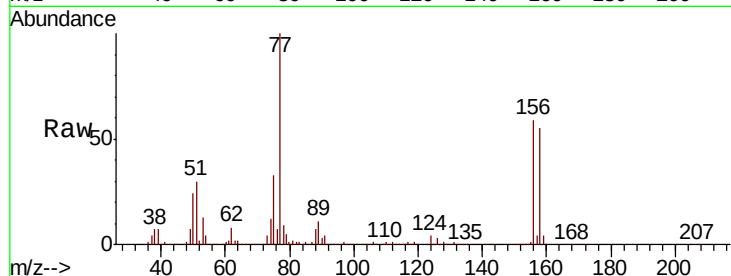
Tot Ion:156 Resp: 210978

Ion Ratio Lower Upper

156 100

77 194.3 98.0 294.1

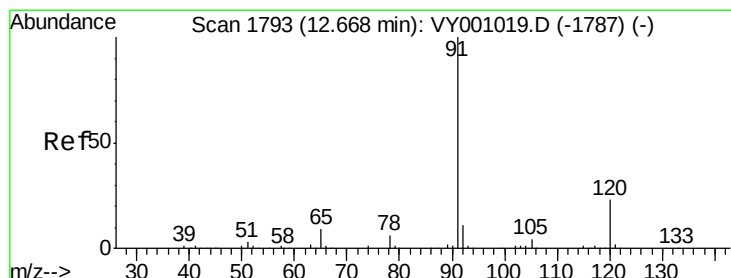
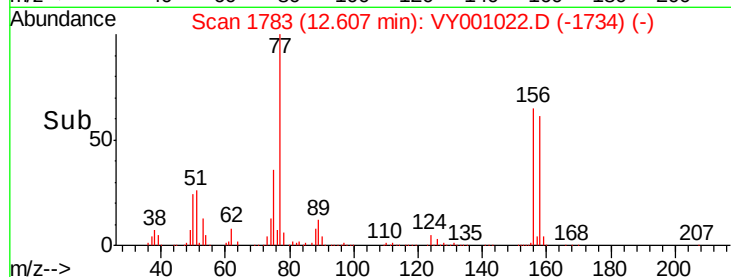
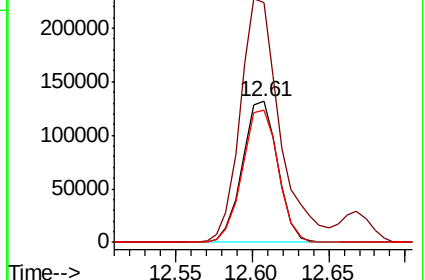
158 95.8 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.879 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY001022.D

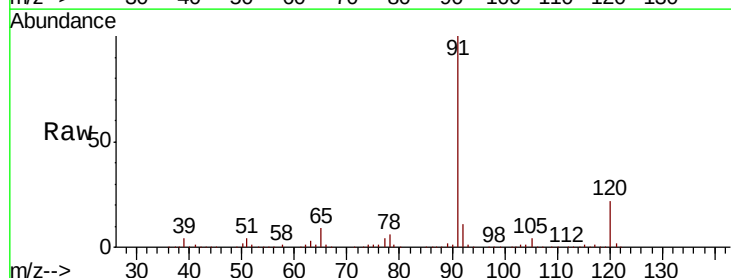
Acq: 23 Dec 2019 12:26

Tgt Ion: 91 Resp: 1162233

Ion Ratio Lower Upper

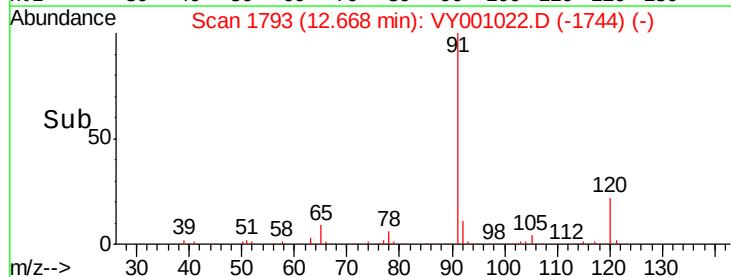
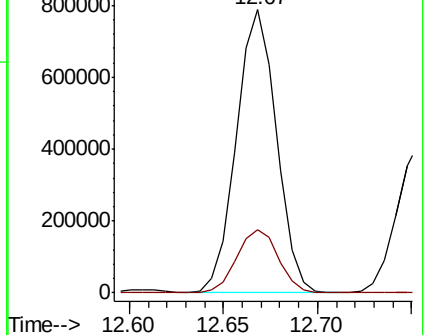
91 100

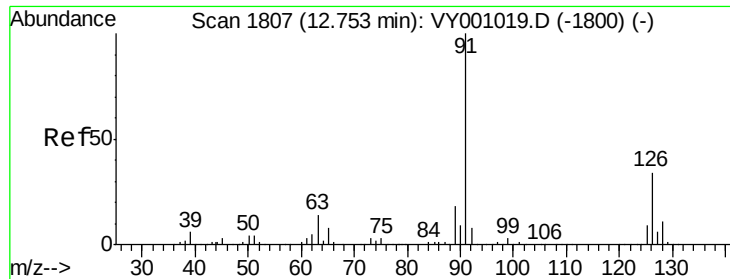
120 23.1 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.830 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

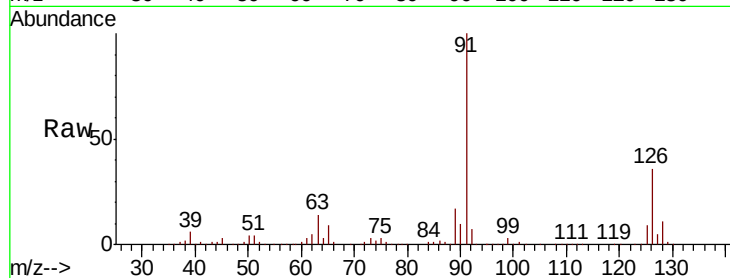
ICVVY122319

Tot Ion: 91 Resp: 628602

Ion Ratio Lower Upper

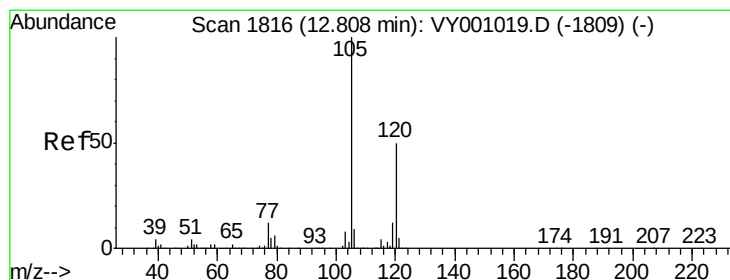
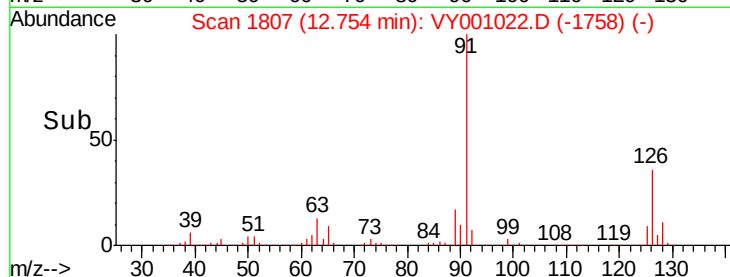
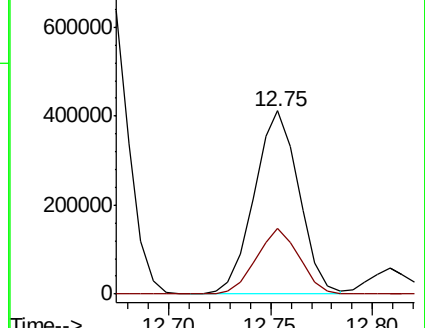
91 100

126 34.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.170 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001022.D

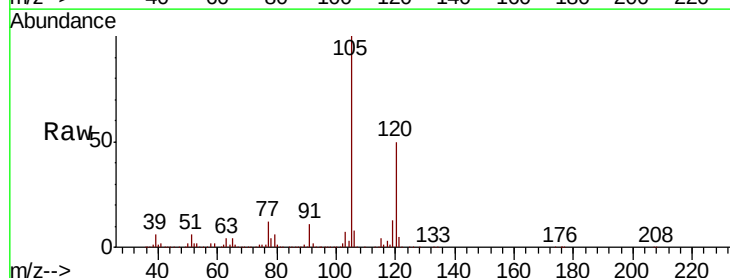
Acq: 23 Dec 2019 12:26

Tgt Ion:105 Resp: 786301

Ion Ratio Lower Upper

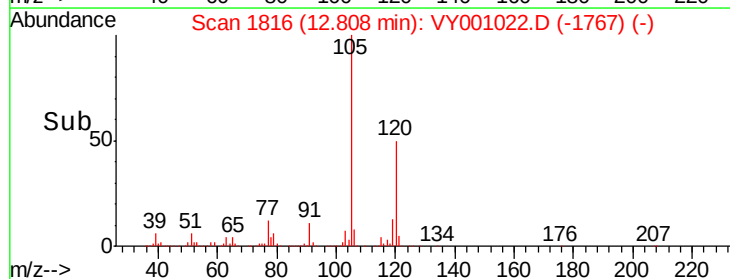
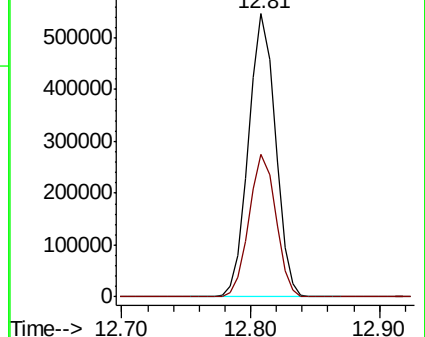
105 100

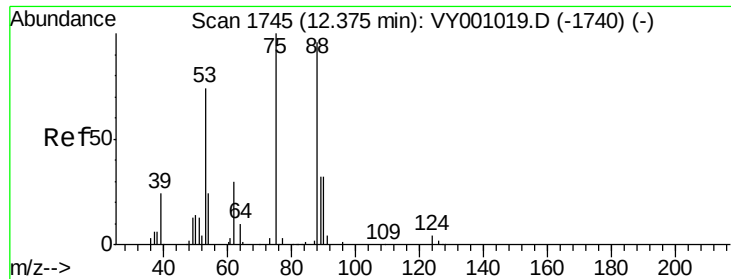
120 50.1 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.924 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY122319

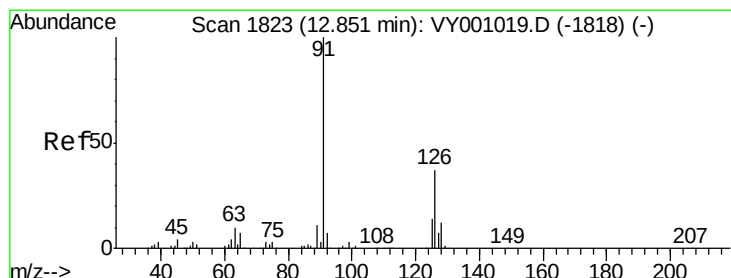
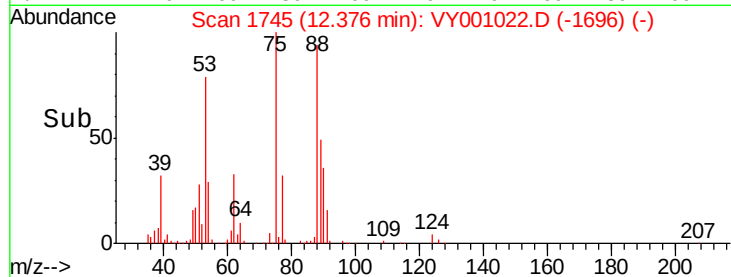
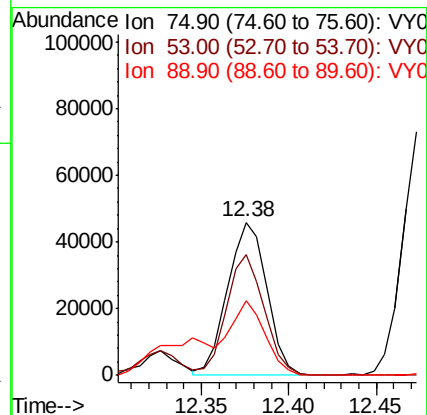
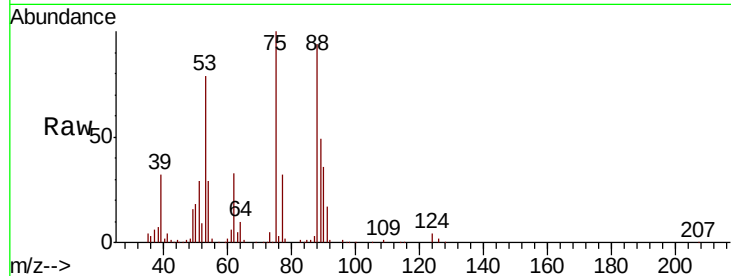
Tot Ion: 75 Resp: 71309

Ion Ratio Lower Upper

75 100

53 76.2 60.6 91.0

89 43.8 35.4 53.0



#82

4-Chlorotoluene

Concen: 49.471 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001022.D

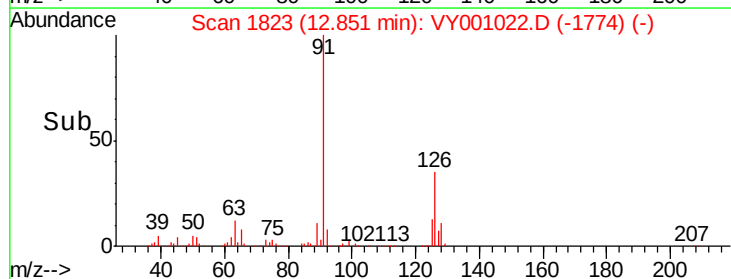
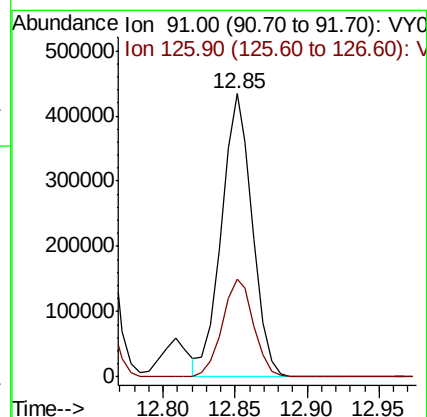
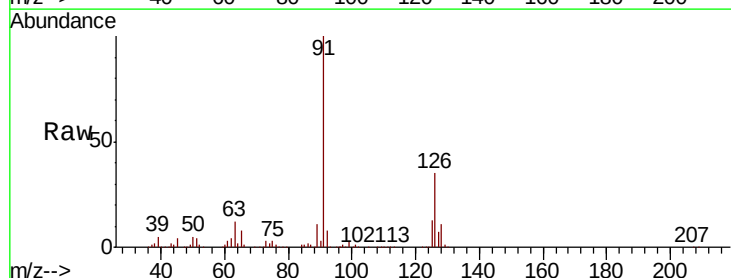
Acq: 23 Dec 2019 12:26

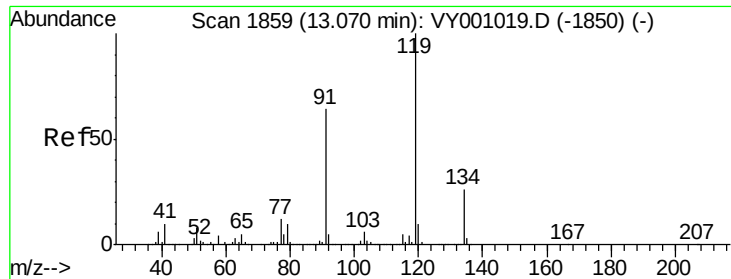
Tgt Ion: 91 Resp: 648209

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8

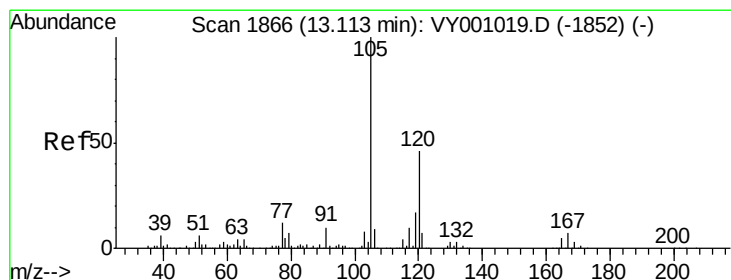
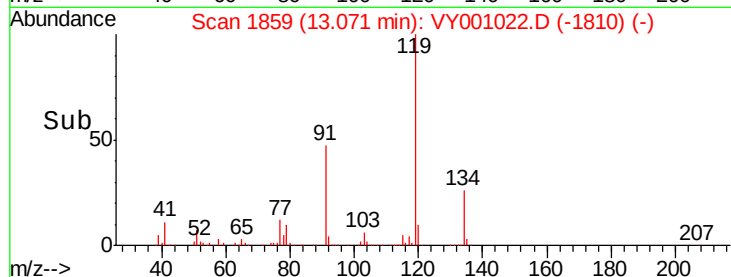
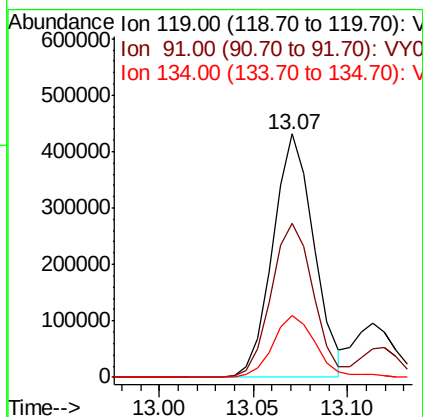
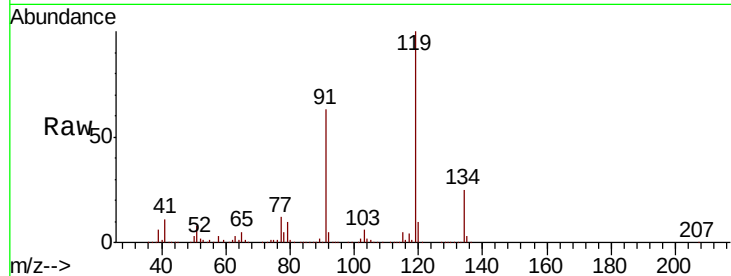




#83
tert-Butylbenzene
Concen: 50.512 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

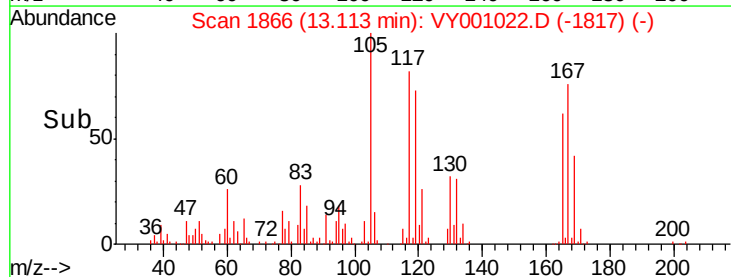
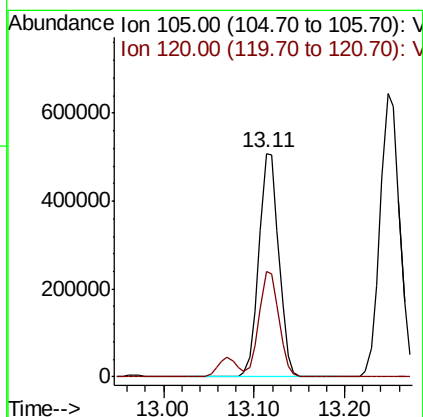
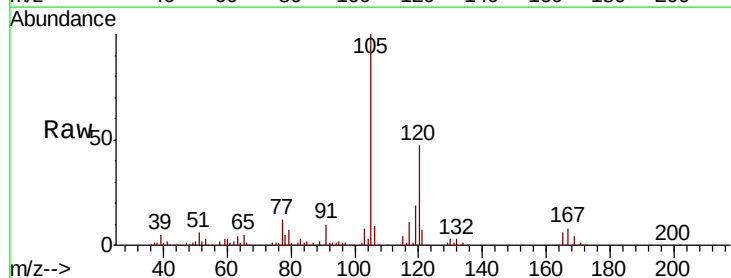
Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

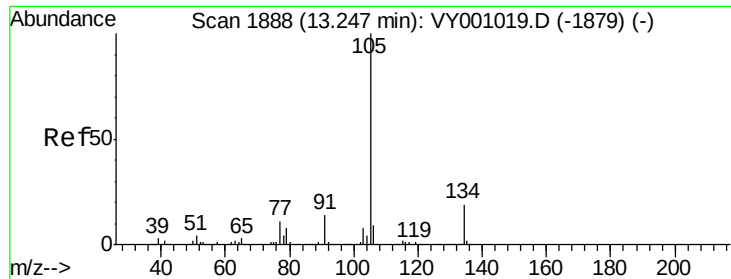
Tot Ion:119 Resp: 651563
Ion Ratio Lower Upper
119 100
91 65.5 31.9 95.7
134 26.8 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 50.199 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:105 Resp: 775160
Ion Ratio Lower Upper
105 100
120 46.9 23.4 70.2





#85

sec-Butylbenzene

Concen: 50.742 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :

MSVOA_Y

ClientSampleId :

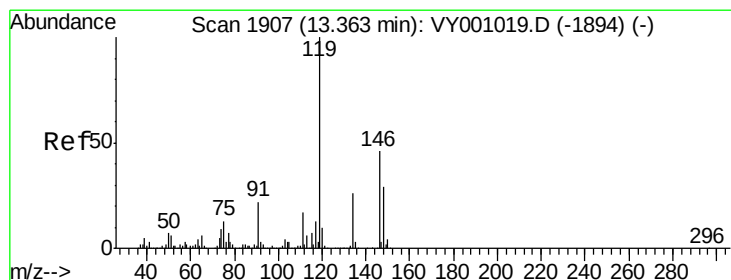
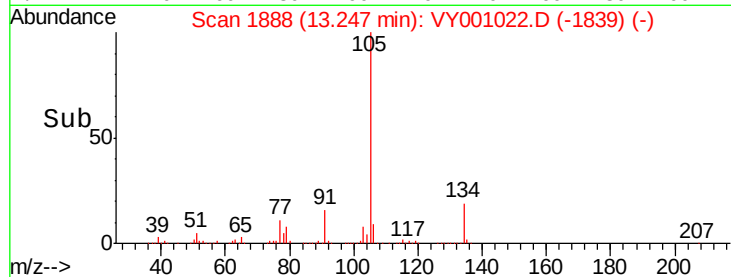
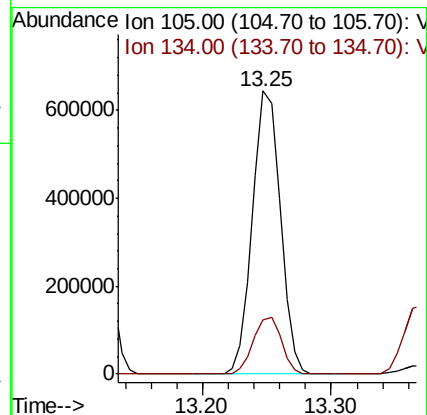
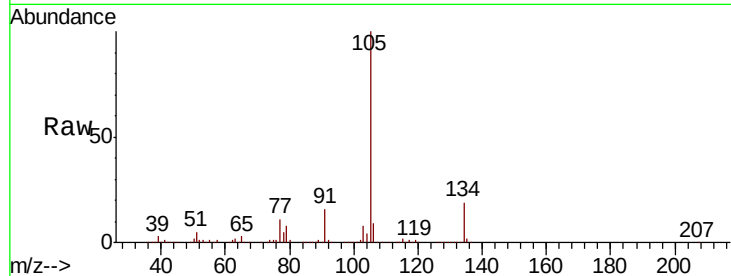
ICVY122319

Tot Ion:105 Resp: 964925

Ion Ratio Lower Upper

105 100

134 20.3 10.0 30.0



#86

p-Isopropyltoluene

Concen: 51.370 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

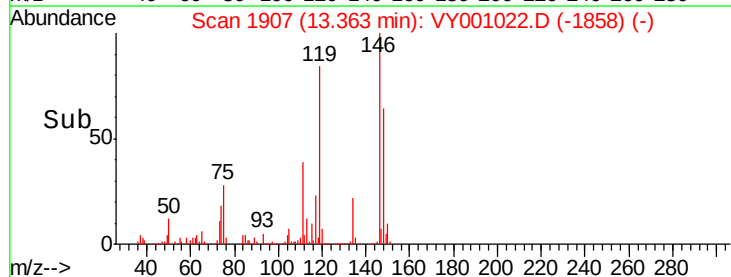
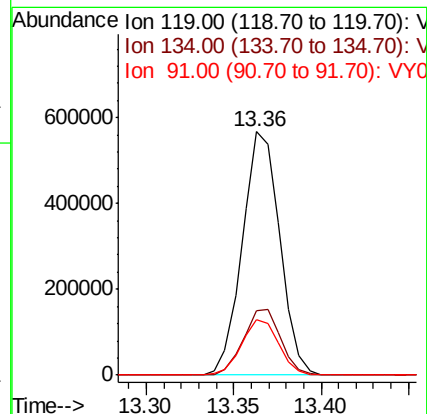
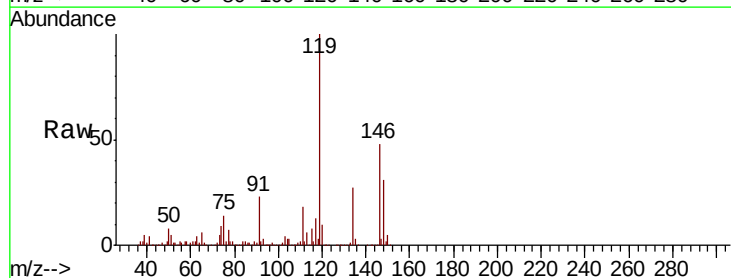
Tgt Ion:119 Resp: 845279

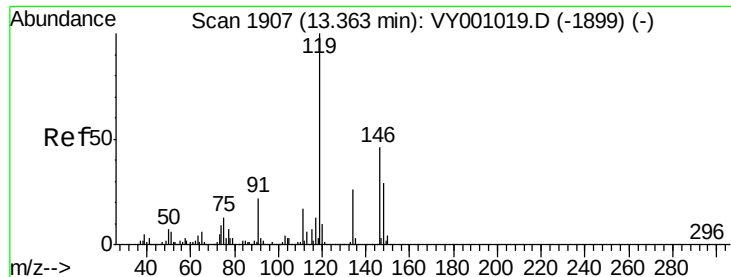
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.7 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 51.025 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

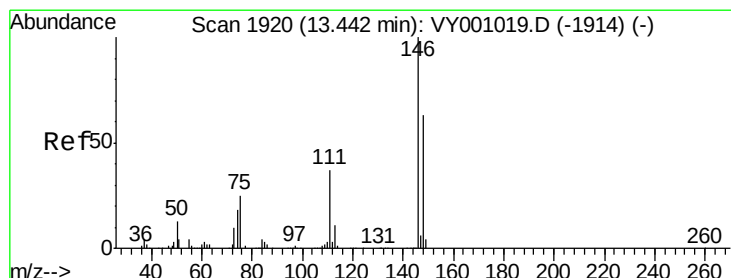
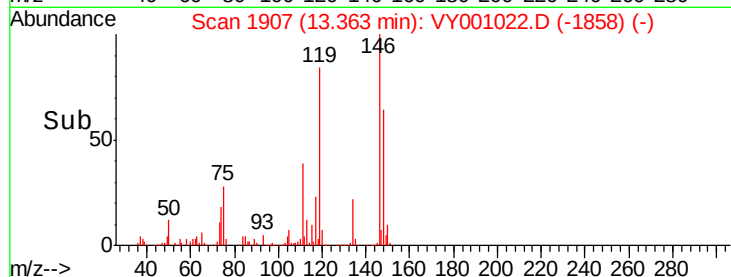
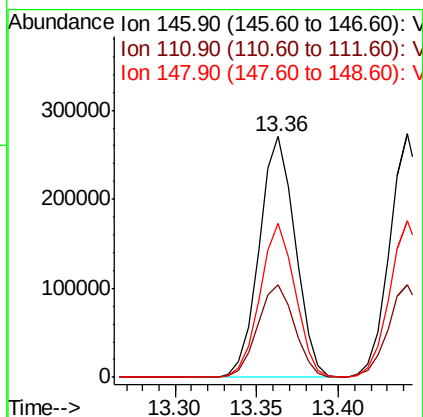
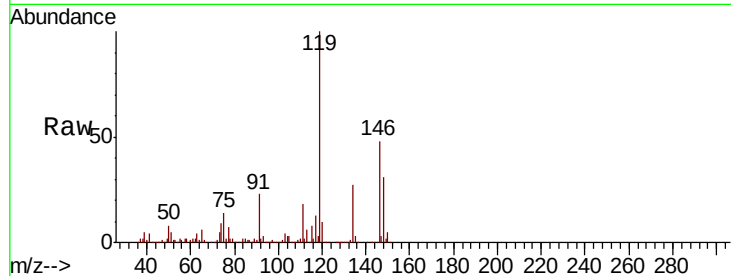
Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

Tot Ion:146 Resp: 413181

Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.0
148	62.3	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 50.380 ug/l

RT: 13.44 min Scan# 1920

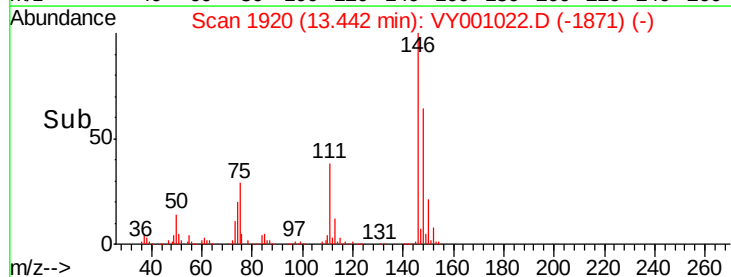
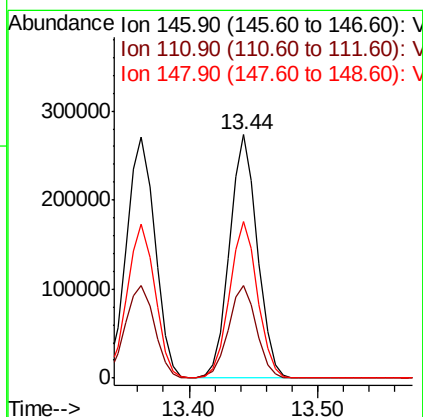
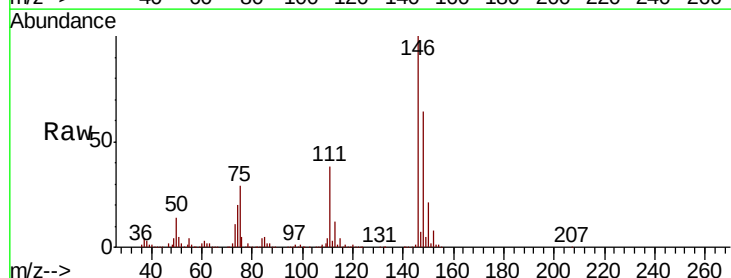
Delta R.T. 0.00 min

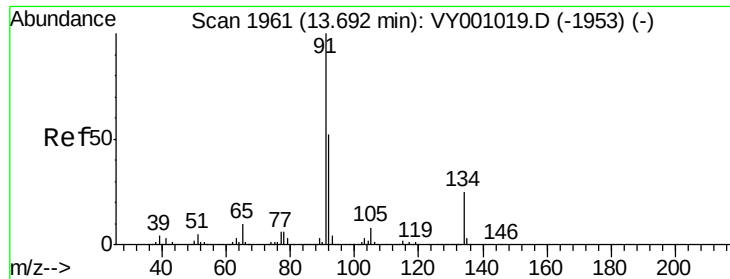
Lab File: VY001022.D

Acq: 23 Dec 2019 12:26

Tgt Ion:146 Resp: 411539

Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.6	31.8	95.3

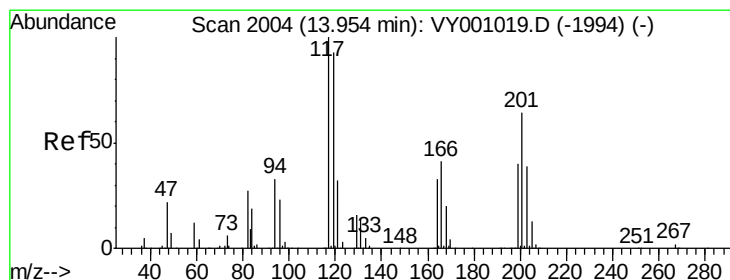
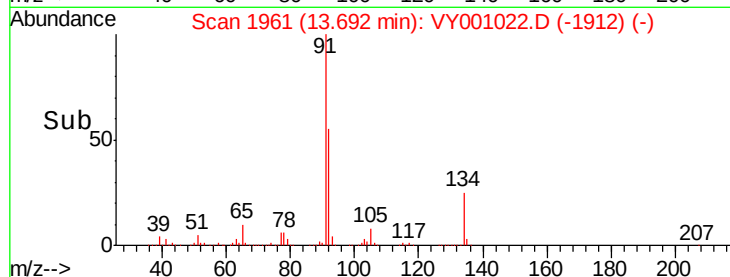
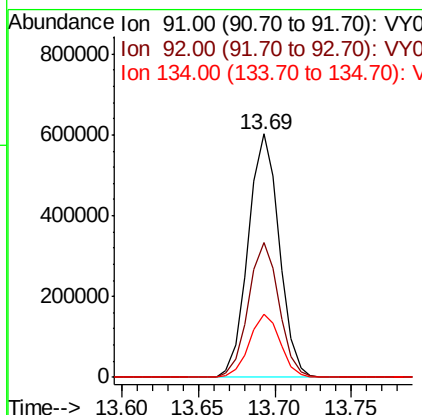
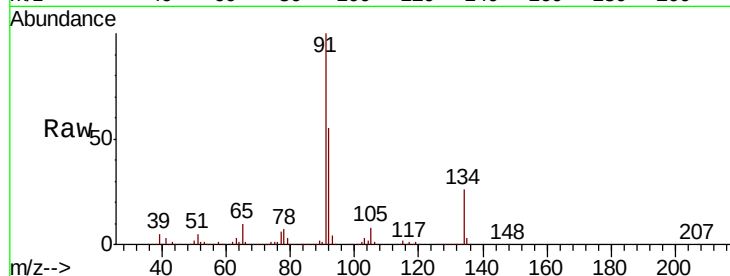




#89
n-Butylbenzene
Concen: 51.355 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

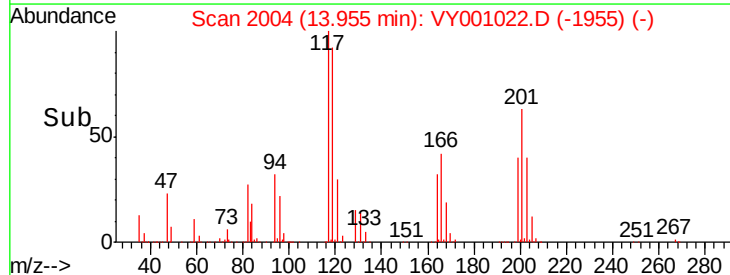
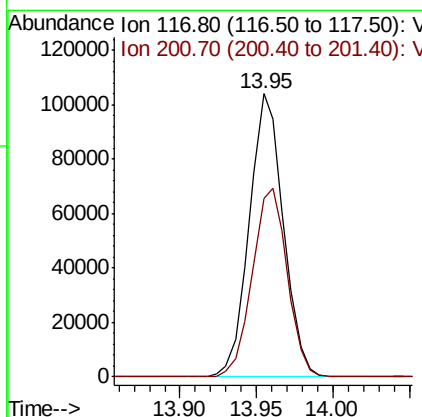
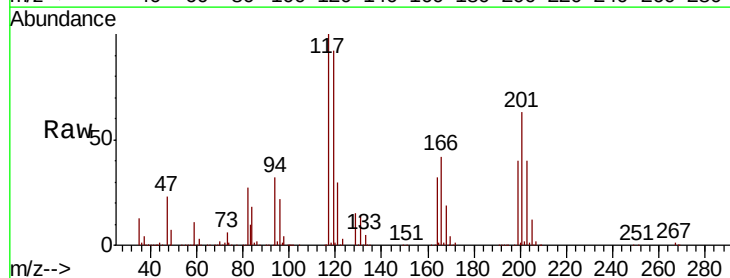
Instrument :
MSVOA_Y
ClientSampleId :
ICVY122319

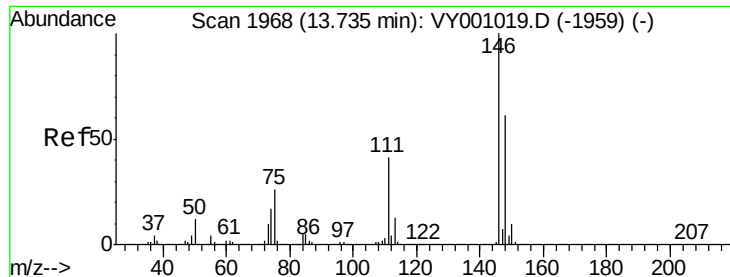
Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.9	80.7
134	25.9	12.7	38.0



#90
Hexachloroethane
Concen: 51.824 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.7	33.7	101.1

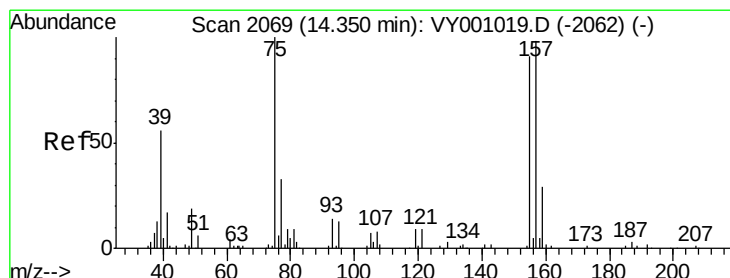
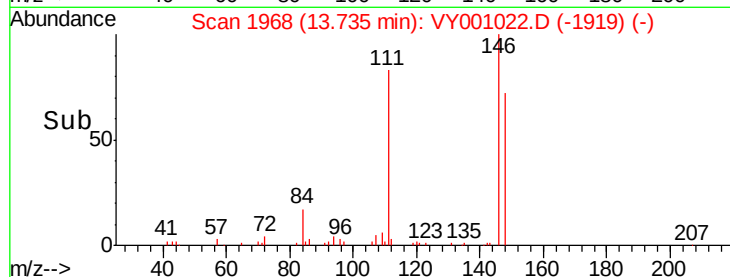
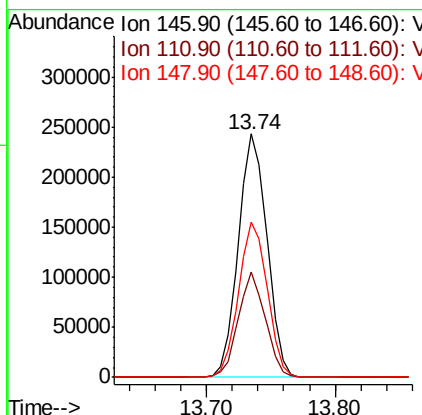
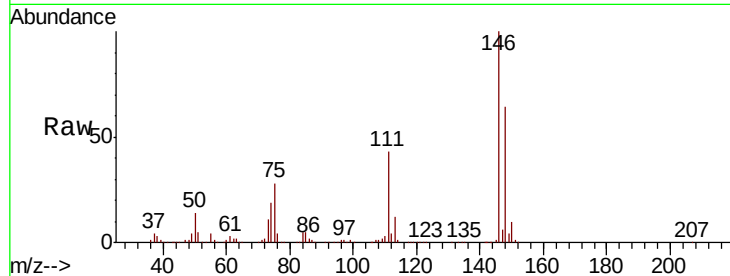




#91
 1,2-Dichlorobenzene
 Concen: 50.082 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

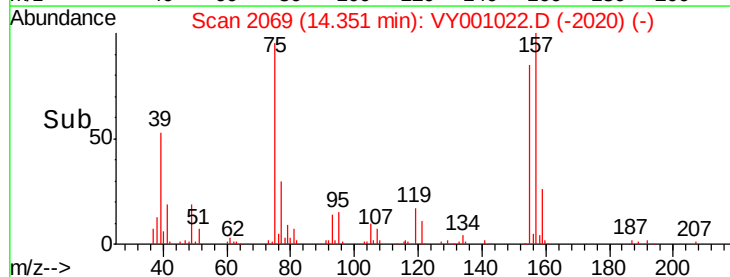
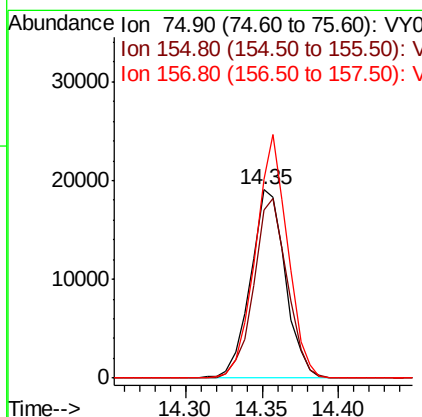
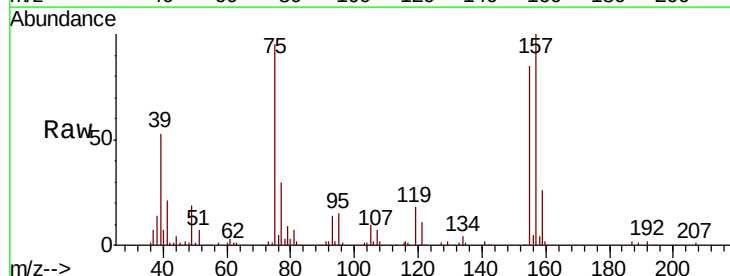
Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY122319

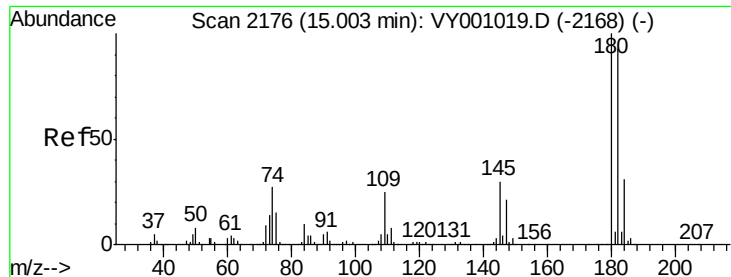
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.6	61.9
148	63.9	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.786 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001022.D
 Acq: 23 Dec 2019 12:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	46.3	138.9
157	119.3	58.1	174.4

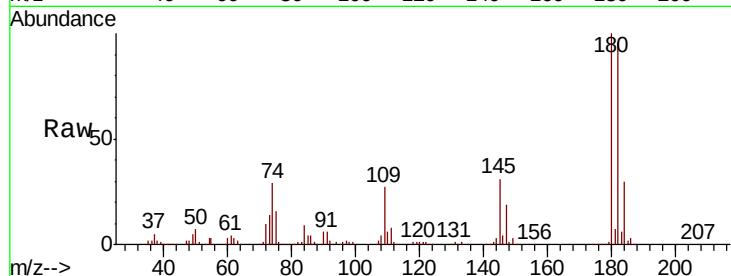




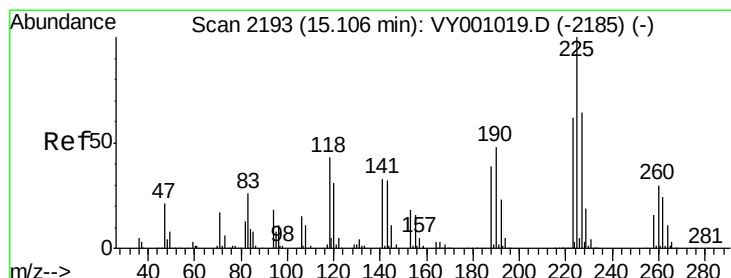
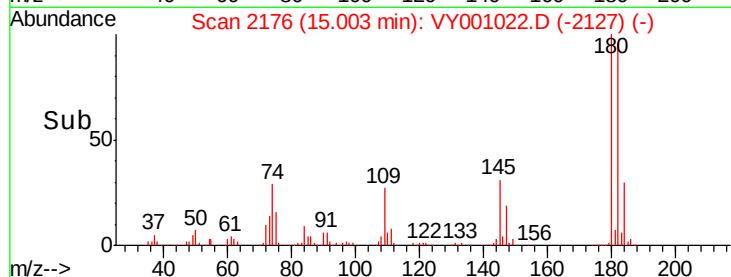
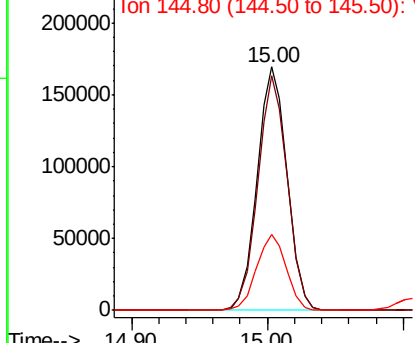
#93
1,2,4-Trichlorobenzene
Concen: 51.714 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY122319

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.8	140.3
145	30.9	15.3	45.9

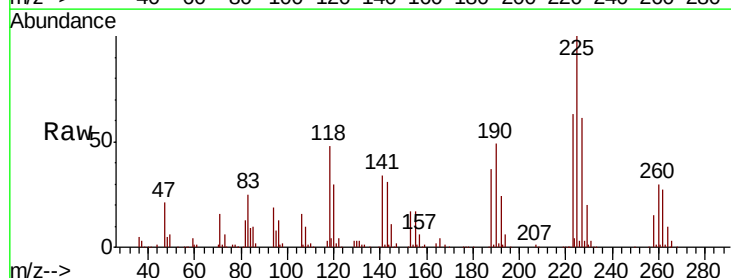


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

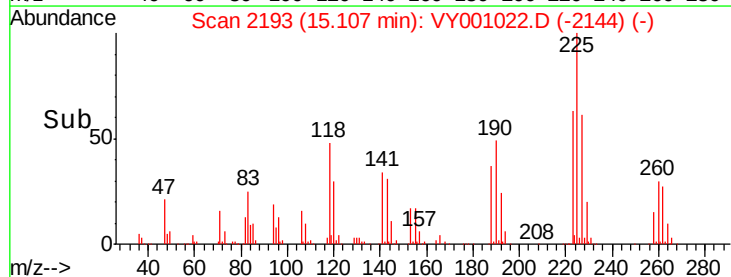
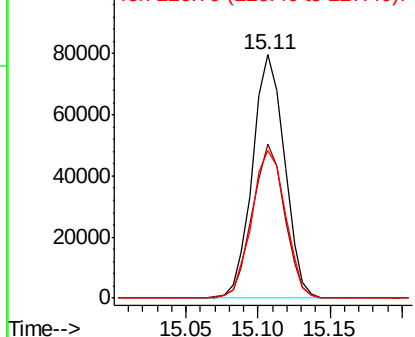


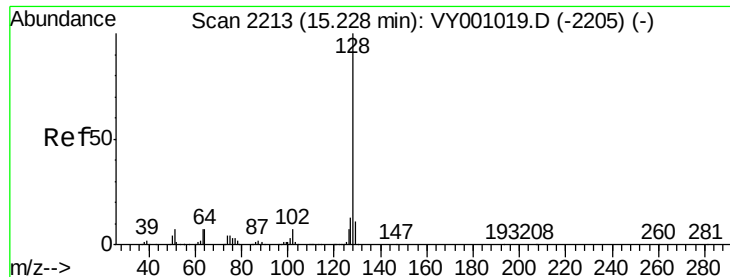
#94
Hexachlorobutadiene
Concen: 51.019 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.6	94.8
227	64.1	31.9	95.5



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

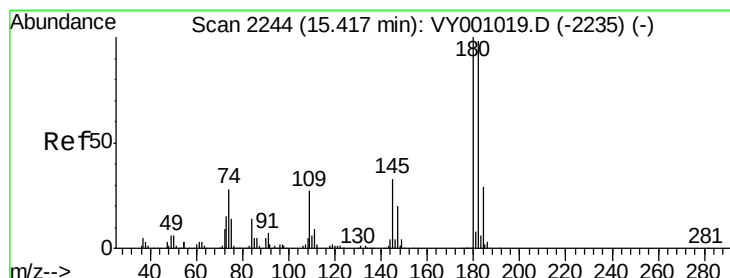
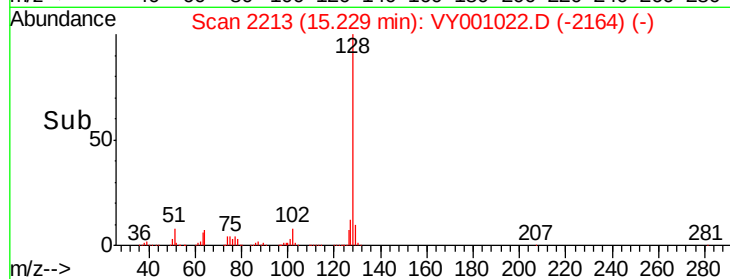
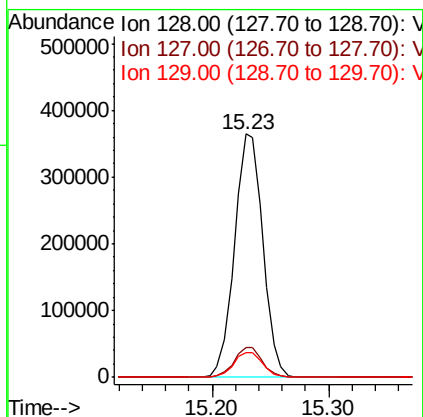
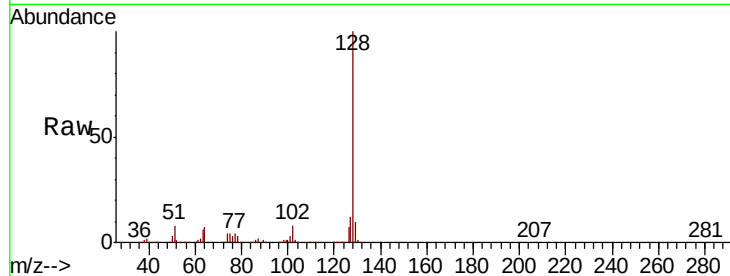




#95
Naphthalene
Concen: 51.935 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Instrument :
MSVOA_Y
ClientSampleId :
ICVY122319

Tot Ion:128 Resp: 615790
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.5 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.208 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001022.D
Acq: 23 Dec 2019 12:26

Tgt Ion:180 Resp: 234742
Ion Ratio Lower Upper
180 100
182 93.9 47.9 143.8
145 32.2 16.3 48.9

