

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121520\
 Data File : VV019665.D
 Acq On : 15 Dec 2020 21:35
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Dec 16 00:32:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 16 00:27:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	578960	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	532082	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	257139	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	225776	54.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.76%
7) Chloroethane-d5	1.57	69	181082	55.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	110.60%
11) 1,1-Dichloroethene-d2	2.11	63	394404	51.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.38%
21) 2-Butanone-d5	3.89	46	331085	146.72	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	146.72%#
24) Chloroform-d	4.35	84	406295	54.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.60%
26) 1,2-Dichloroethane-d4	5.04	65	272422	55.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.42%
32) Benzene-d6	5.05	84	772108	54.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.82%
36) 1,2-Dichloropropane-d6	6.07	67	249078	56.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.06%
41) Toluene-d8	7.32	98	669418	52.39	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.78%
43) trans-1,3-Dichloropropene-	7.62	79	125730	49.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.44%
47) 2-Hexanone-d5	8.09	63	242201	138.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	138.82%#
57) 1,1,2,2-Tetrachloroethane-	10.22	84	336848	56.02	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	112.04%
64) 1,2-Dichlorobenzene-d4	11.63	152	245496	51.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.14%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	200517	42.916	ug/L	100
3) Chloromethane	1.24	50	257681	51.885	ug/L	100
5) Vinyl chloride	1.31	62	248423	49.869	ug/L	99
6) Bromomethane	1.52	94	152018	50.815	ug/L	98
8) Chloroethane	1.59	64	154599	51.452	ug/L	100
9) Trichlorofluoromethane	1.76	101	284569	46.756	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	151871	45.184	ug/L	98
13) Acetone	2.18	43	220937	114.929	ug/L	99
14) Carbon disulfide	2.30	76	496757	43.833	ug/L	100
15) Methyl Acetate	2.43	43	242376	57.870	ug/L	99
16) Methylene chloride	2.51	84	213600	52.820	ug/L	99
17) trans-1,2-Dichloroethene	2.77	96	183958	48.660	ug/L	98
18) Methyl tert-butyl Ether	2.77	73	693590	52.505	ug/L	99
19) 1,1-Dichloroethane	3.19	63	389502	53.144	ug/L	98
20) cis-1,2-Dichloroethene	3.92	96	214856	51.700	ug/L	# 99
22) 2-Butanone	3.97	43	341672	121.167	ug/L	98
23) Bromochloromethane	4.25	128	104939	51.320	ug/L	98

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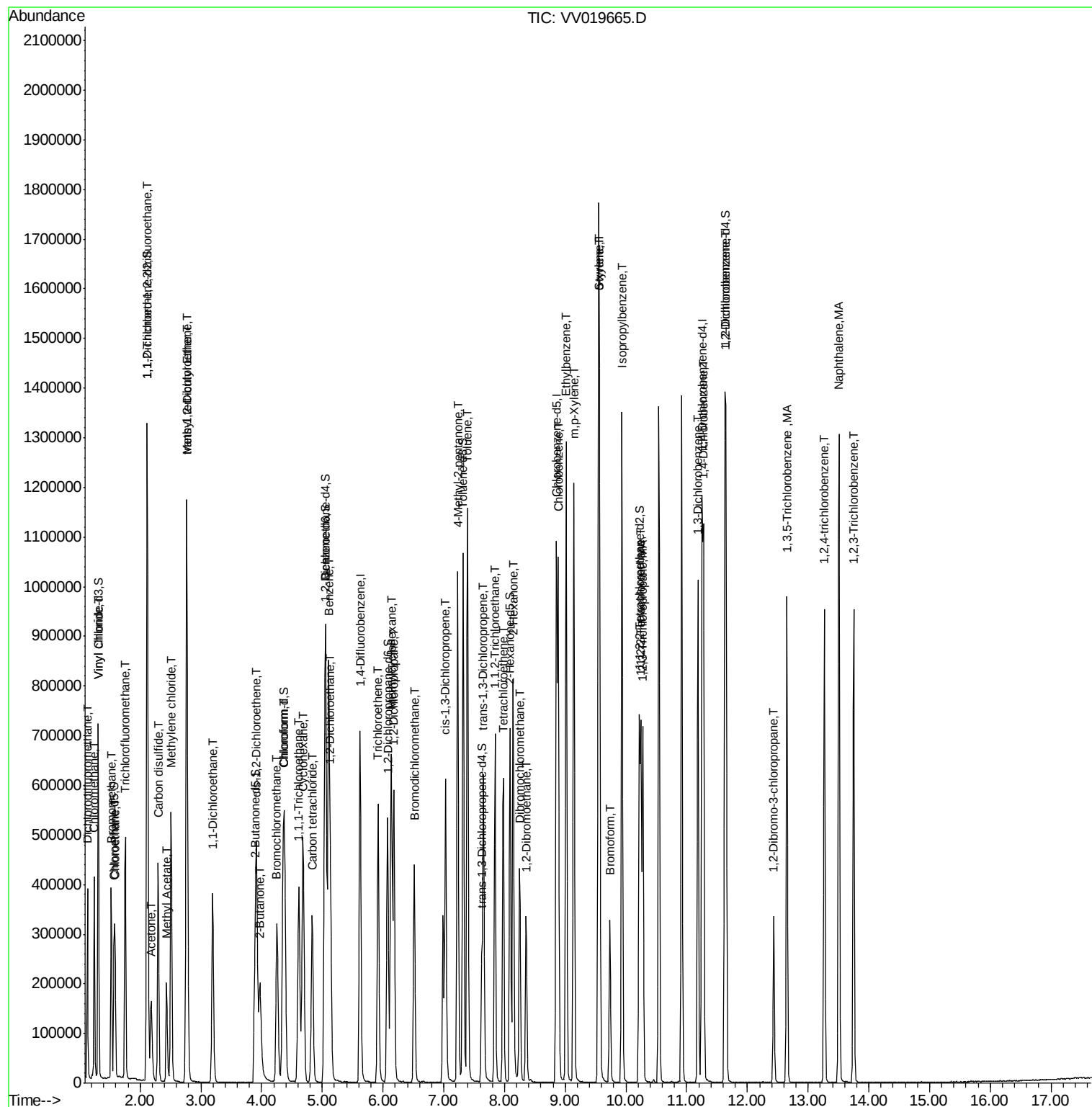
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.38	83	383351	52.371	ug/L	98
27) 1,2-Dichloroethane	5.14	62	320973	52.929	ug/L	99
29) Cyclohexane	4.68	56	279431	42.849	ug/L	100
30) 1,1,1-Trichloroethane	4.61	97	317628	47.609	ug/L	99
31) Carbon tetrachloride	4.84	117	249328	44.269	ug/L	99
33) Benzene	5.10	78	809133	52.033	ug/L	100
34) Trichloroethene	5.92	95	197856	48.165	ug/L	99
35) Methylcyclohexane	6.14	83	268531	43.030	ug/L	100
37) 1,2-Dichloropropane	6.18	63	223778	55.104	ug/L	100
38) Bromodichloromethane	6.51	83	287512	50.630	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	351203	52.071	ug/L	99
40) 4-Methyl-2-pentanone	7.23	43	670290	114.406	ug/L	98
42) Toluene	7.39	91	807151	49.248	ug/L	100
44) trans-1,3-Dichloropropene	7.65	75	334640	49.000	ug/L	98
45) 1,1,2-Trichloroethane	7.84	97	207186	53.725	ug/L	99
46) Tetrachloroethene	7.98	164	125224	44.055	ug/L	98
48) 2-Hexanone	8.14	43	510988	114.943	ug/L	98
49) Dibromochloromethane	8.25	129	211936	50.183	ug/L	99
50) 1,2-Dibromoethane	8.36	107	216127	53.220	ug/L	99
51) Chlorobenzene	8.88	112	510547	48.773	ug/L	99
52) Ethylbenzene	9.02	91	869619	46.570	ug/L	100
53) m,p-Xylene	9.14	106	318367	45.636	ug/L	100
54) o-xylene	9.55	106	325450	47.595	ug/L	99
55) Styrene	9.56	104	576095	48.339	ug/L	99
56) Isopropylbenzene	9.94	105	824553	45.263	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.25	83	334684	53.967	ug/L	100
59) 1,2,3-Trichloropropane	10.28	75	283392	56.104	ug/L	99
61) Bromoform	9.74	173	135865	47.752	ug/L	99
62) 1,3-Dichlorobenzene	11.19	146	366917	46.508	ug/L	98
63) 1,4-Dichlorobenzene	11.28	146	380209	47.593	ug/L	98
65) 1,2-Dichlorobenzene	11.65	146	384302	49.297	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	81697	50.205	ug/L	95
67) 1,3,5-Trichlorobenzene	12.65	180	261596	46.931	ug/L	99
68) 1,2,4-trichlorobenzene	13.27	180	247939	47.573	ug/L	100
69) Naphthalene	13.51	128	940182	51.953	ug/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	251717	49.423	ug/L	100

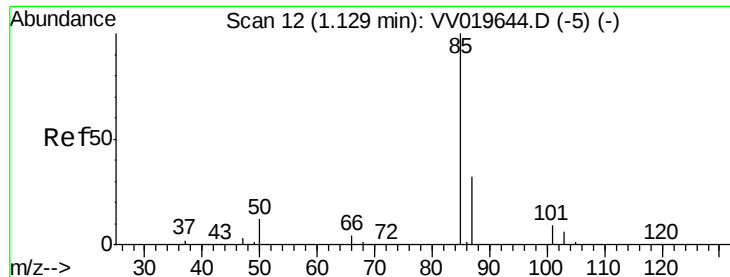
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.916 ug/L

RT: 1.13 min Scan# 13

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

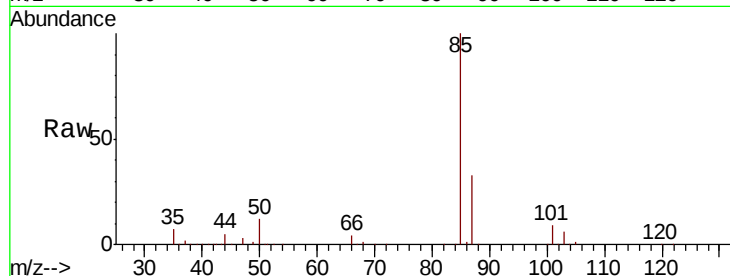
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 200517

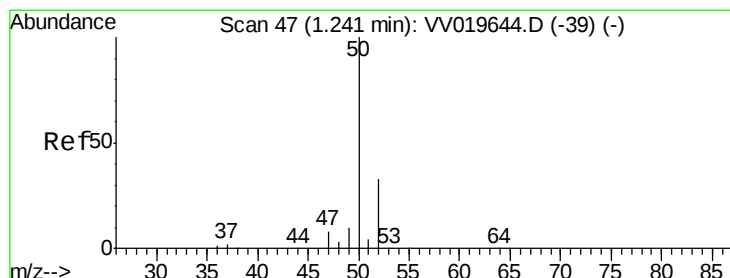
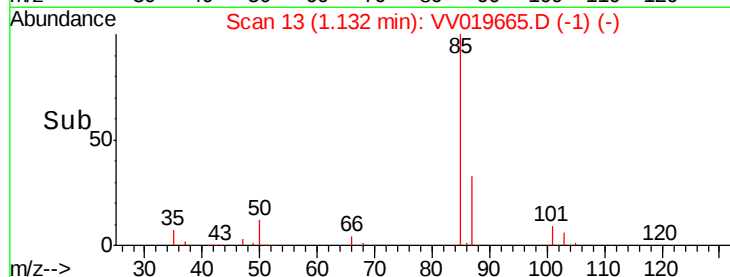
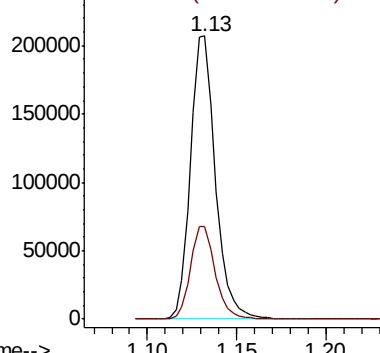
Ion Ratio Lower Upper

85 100

87 32.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 51.885 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV019665.D

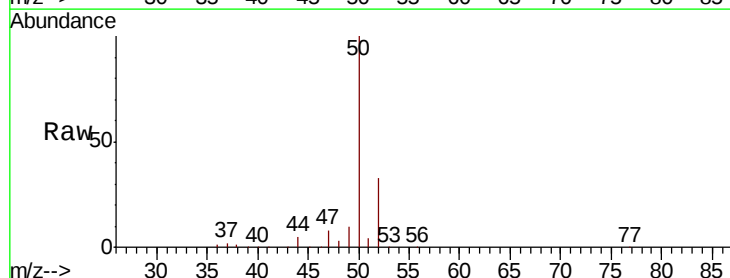
Acq: 15 Dec 2020 21:35

Tgt Ion: 50 Resp: 257681

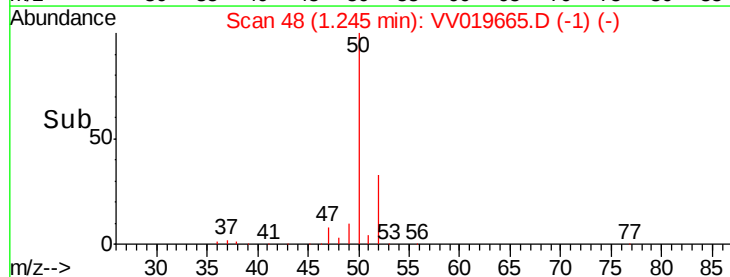
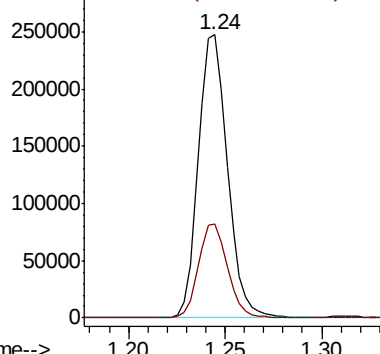
Ion Ratio Lower Upper

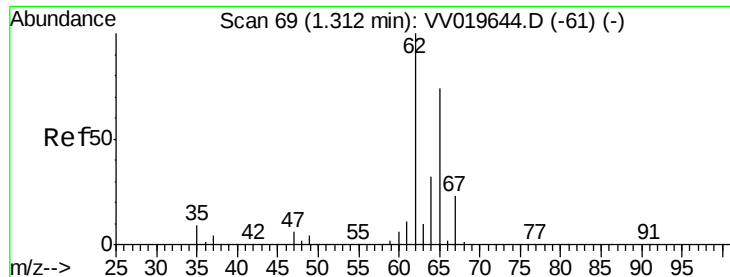
50 100

52 33.2 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV0
Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.869 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

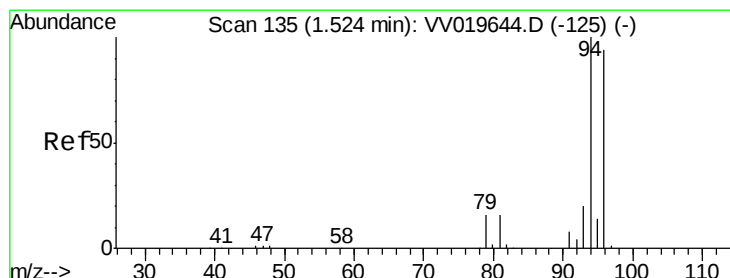
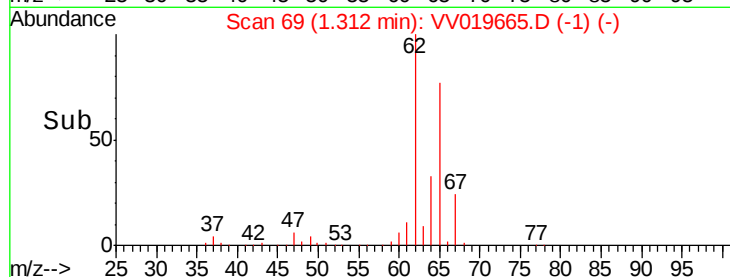
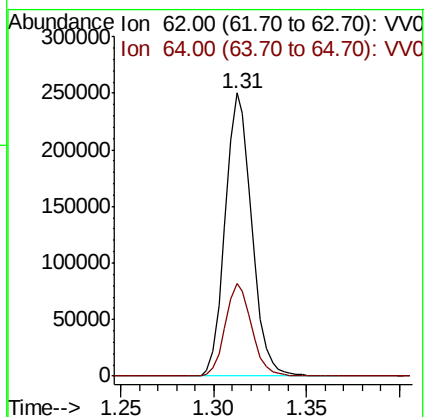
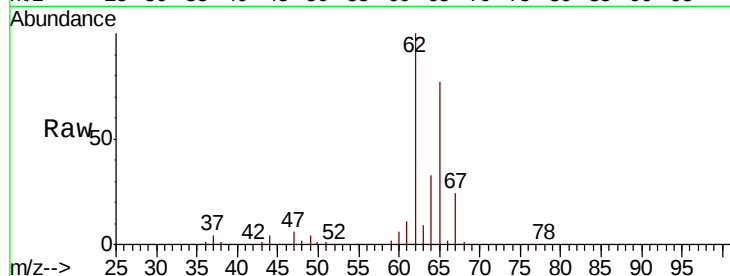
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 248423

Ion Ratio Lower Upper

62 100

64 32.8 22.5 41.7



#6

Bromomethane

Concen: 50.815 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV019665.D

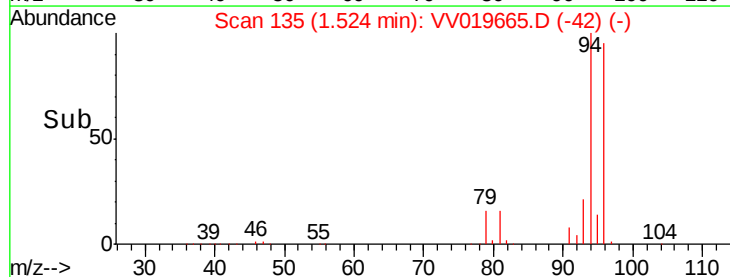
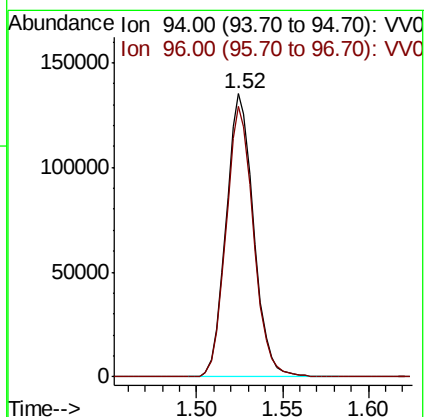
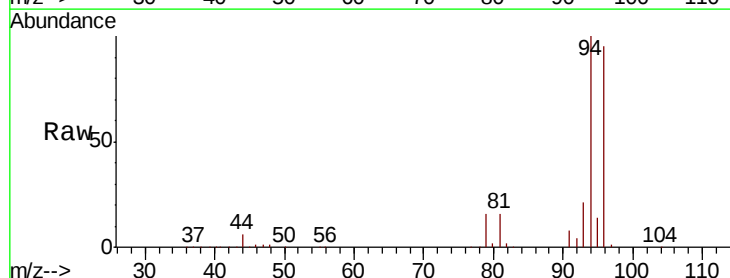
Acq: 15 Dec 2020 21:35

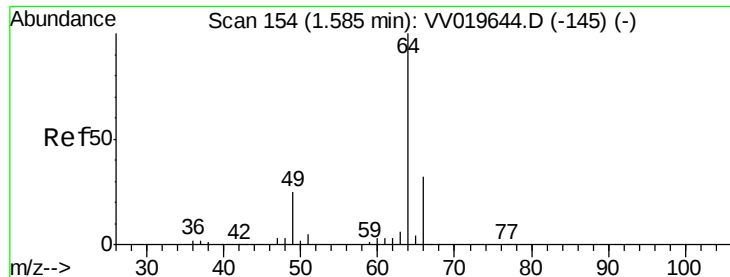
Tgt Ion: 94 Resp: 152018

Ion Ratio Lower Upper

94 100

96 95.5 65.2 121.2





#8

Chloroethane

Concen: 51.452 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

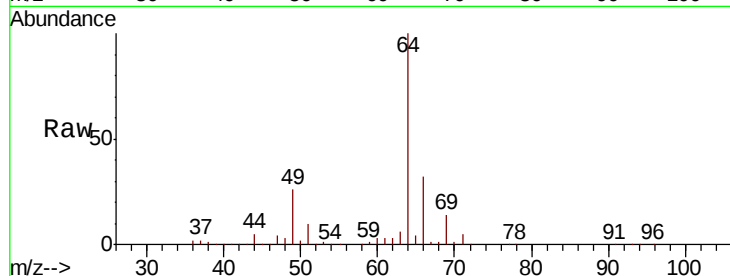
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 154599

Ion Ratio Lower Upper

64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV019644.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV019644.D (-145) (-)

150000

100000

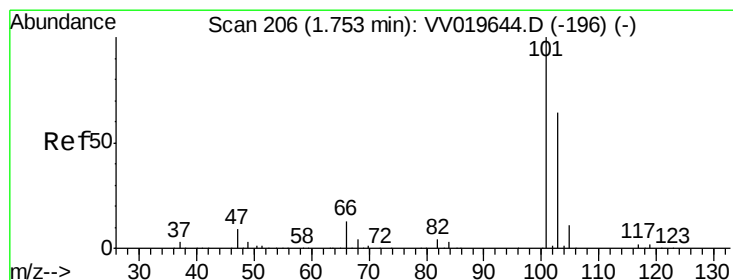
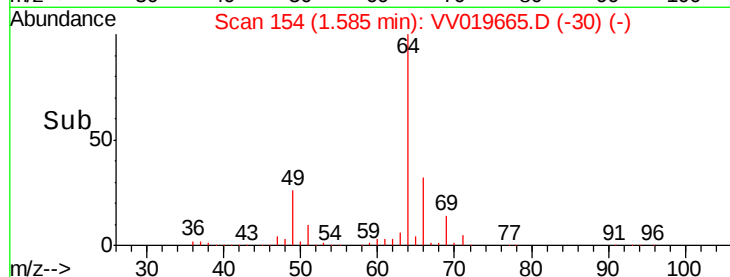
50000

0

1.59

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 46.756 ug/L

RT: 1.76 min Scan# 207

Delta R.T. 0.00 min

Lab File: VV019665.D

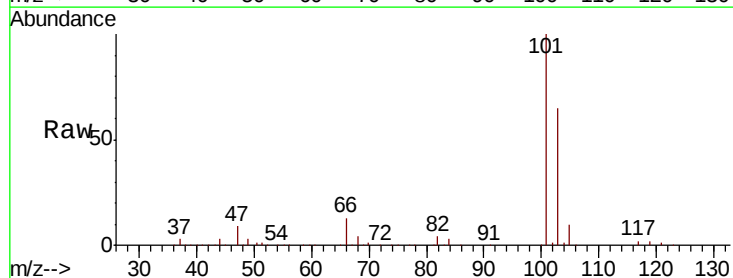
Acq: 15 Dec 2020 21:35

Tgt Ion: 101 Resp: 284569

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV019644.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV019644.D (-196) (-)

250000

200000

150000

100000

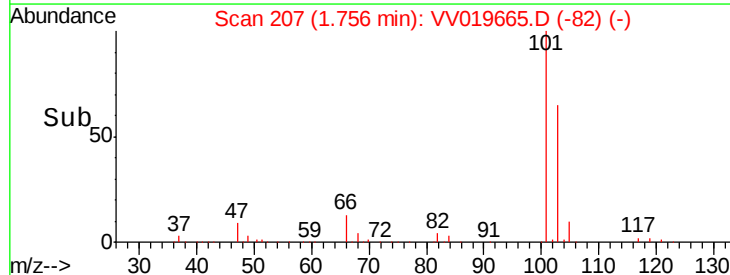
50000

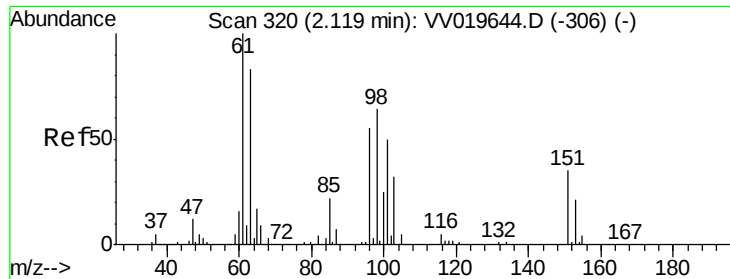
0

1.76

1.70 1.75 1.80 1.85

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 45.184 ug/L

RT: 2.12 min Scan# 320

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :

MSVOA_V

ClientSampleId :

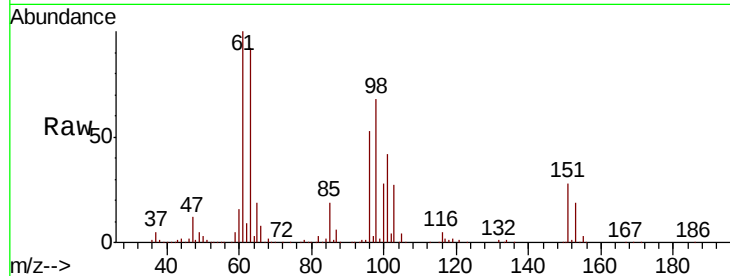
Tot Ion:101 Resp: 151871

Ion Ratio Lower Upper

101 100

85 43.7 35.0 52.4

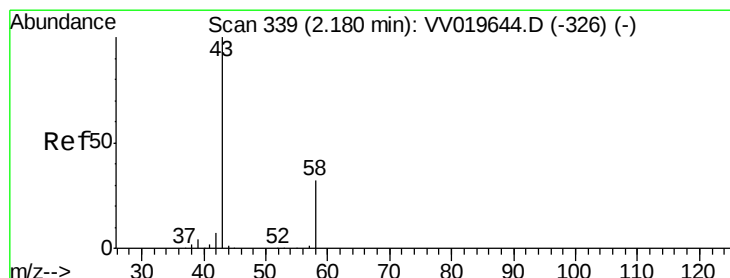
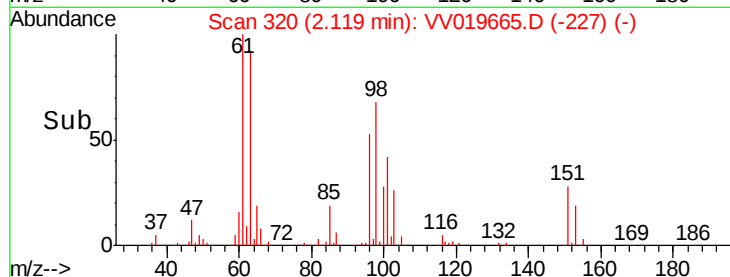
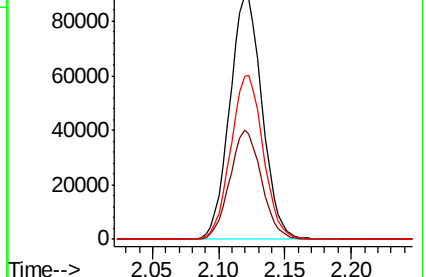
151 67.4 55.8 83.8



Abundance Ion 101.00 (100.70 to 101.70): VV019644.D (-306) (-)

Ion 85.00 (84.70 to 85.70): VV019644.D (-306) (-)

Ion 151.00 (150.70 to 151.70): VV019644.D (-306) (-)



#13

Acetone

Concen: 114.929 ug/L

RT: 2.18 min Scan# 339

Delta R.T. 0.00 min

Lab File: VV019665.D

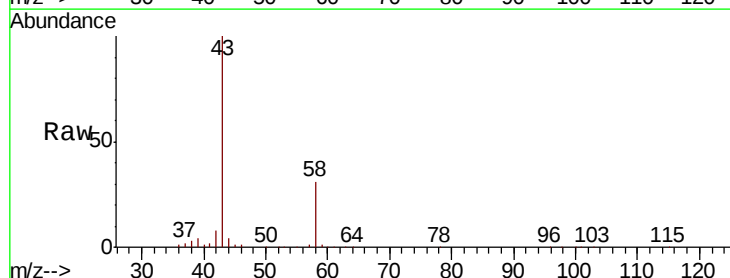
Acq: 15 Dec 2020 21:35

Tgt Ion: 43 Resp: 220937

Ion Ratio Lower Upper

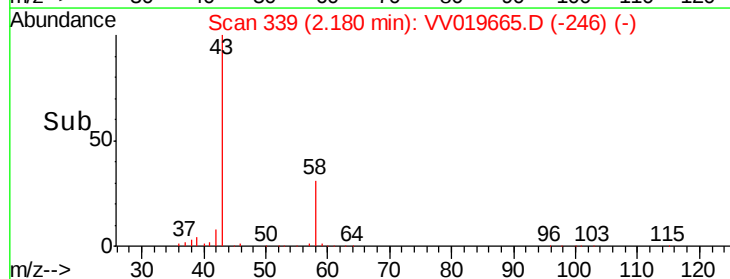
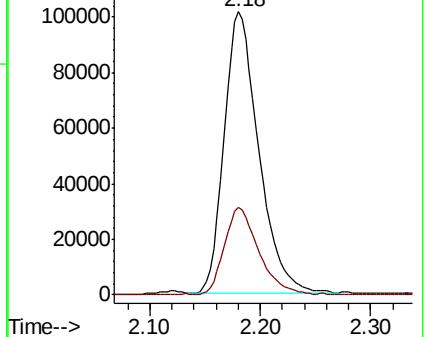
43 100

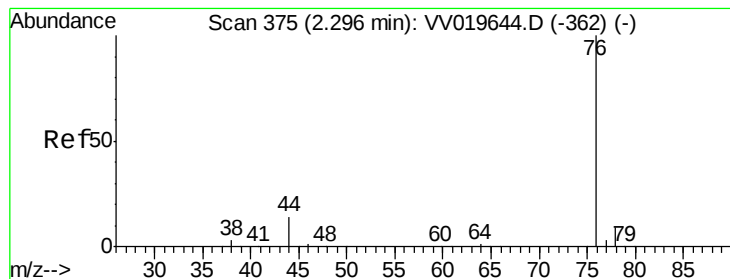
58 30.3 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV019644.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV019644.D (-326) (-)





#14

Carbon disulfide

Concen: 43.833 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :

MSVOA_V

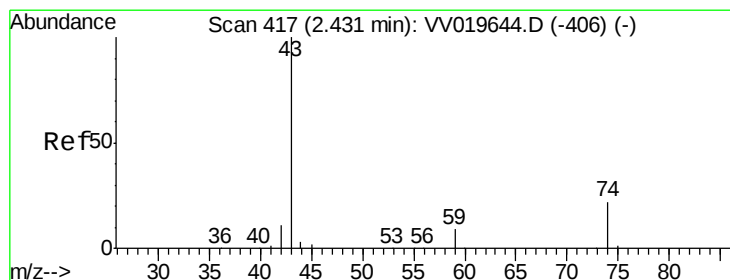
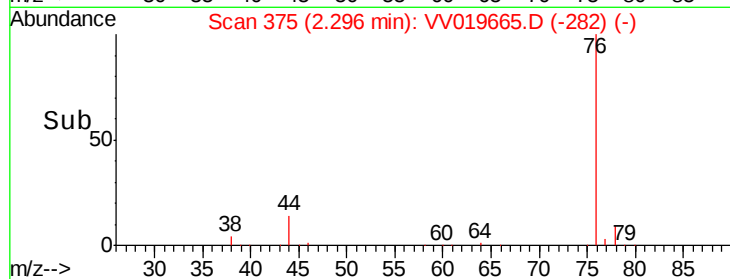
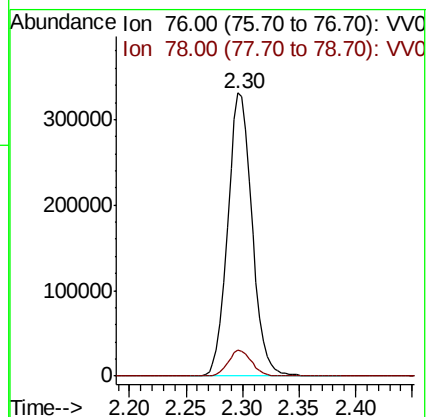
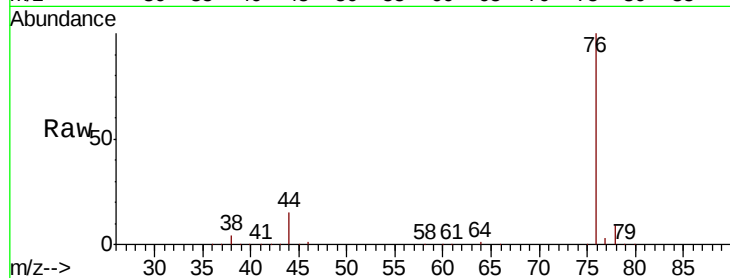
ClientSampleId :

Tot Ion: 76 Resp: 496757

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



#15

Methyl Acetate

Concen: 57.870 ug/L

RT: 2.43 min Scan# 418

Delta R.T. 0.00 min

Lab File: VV019665.D

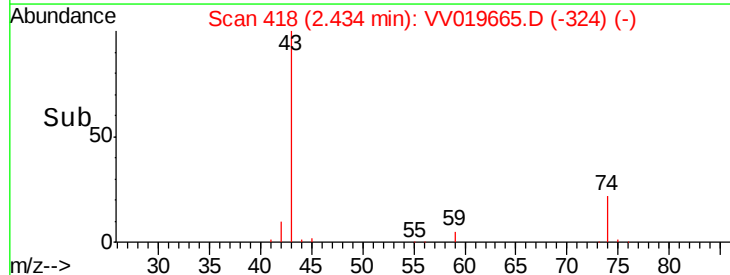
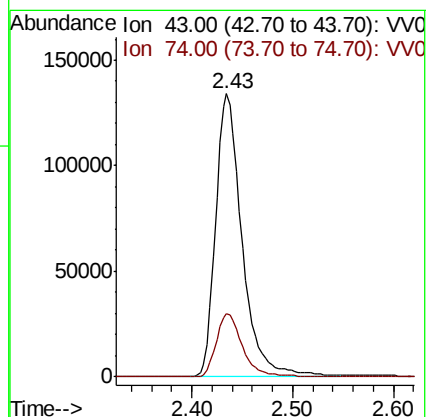
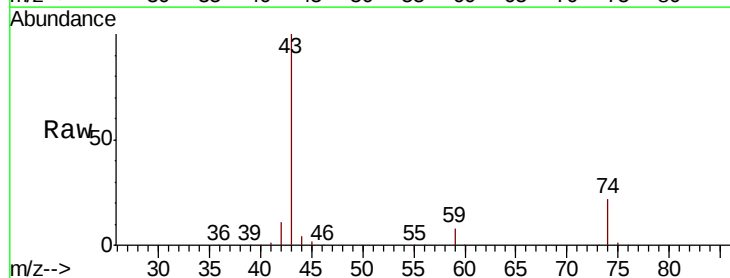
Acq: 15 Dec 2020 21:35

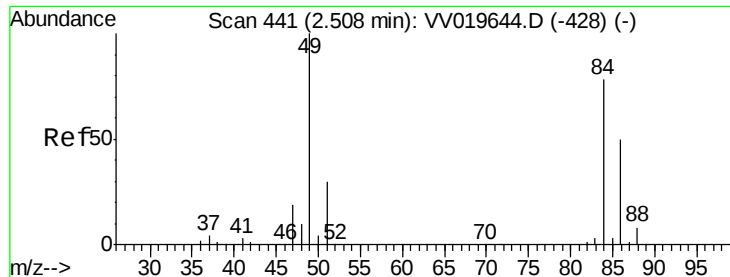
Tgt Ion: 43 Resp: 242376

Ion Ratio Lower Upper

43 100

74 22.3 18.2 27.4

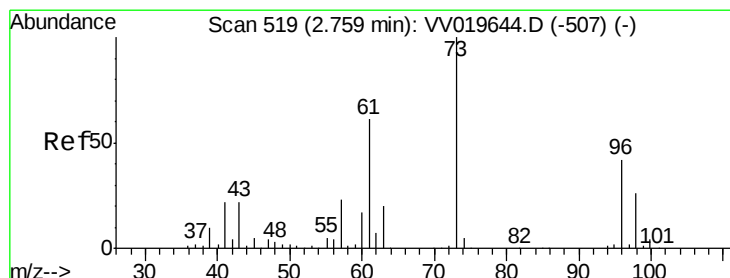
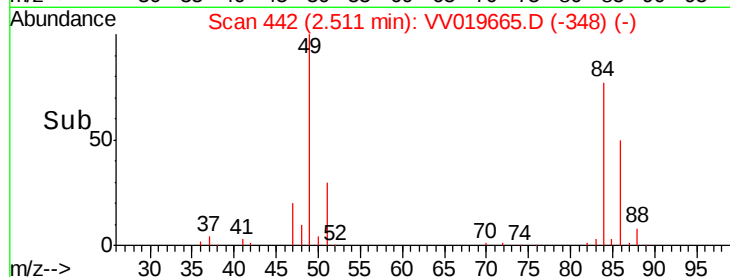
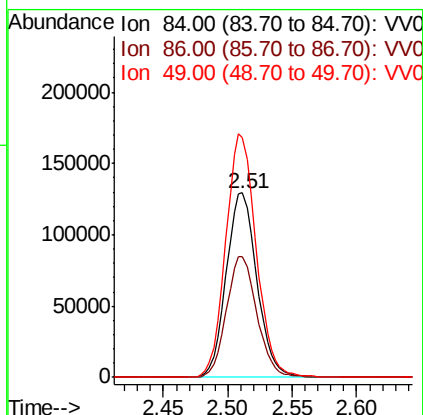
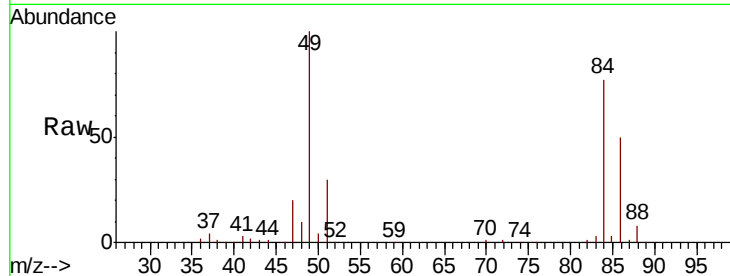




#16
Methylene chloride
Concen: 52.820 ug/L
RT: 2.51 min Scan# 442
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

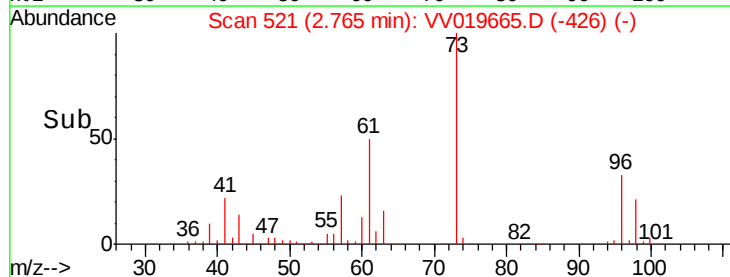
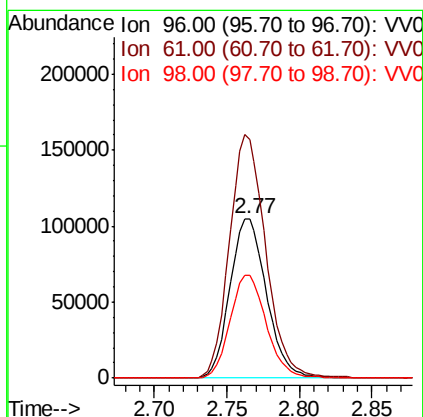
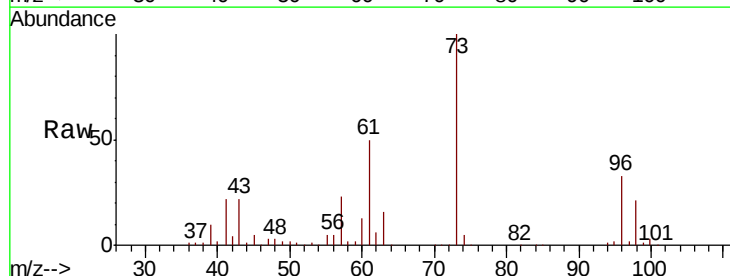
Instrument :
MSVOA_V
ClientSampled :

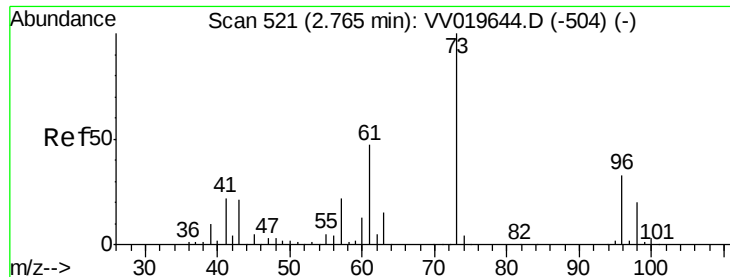
Tot Ion: 84 Resp: 213600
Ion Ratio Lower Upper
84 100
86 65.2 45.7 84.9
49 130.3 90.6 168.3



#17
trans-1,2-Dichloroethene
Concen: 48.660 ug/L
RT: 2.77 min Scan# 521
Delta R.T. 0.01 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 96 Resp: 183958
Ion Ratio Lower Upper
96 100
61 150.0 103.5 192.1
98 64.9 44.4 82.5

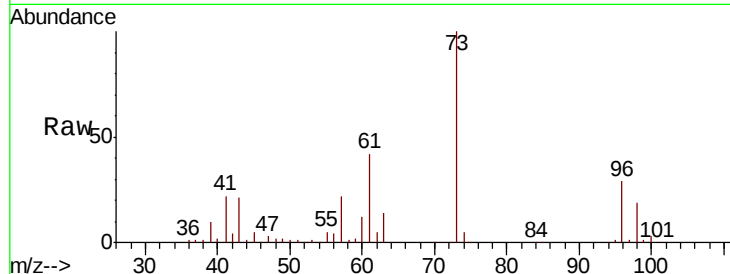




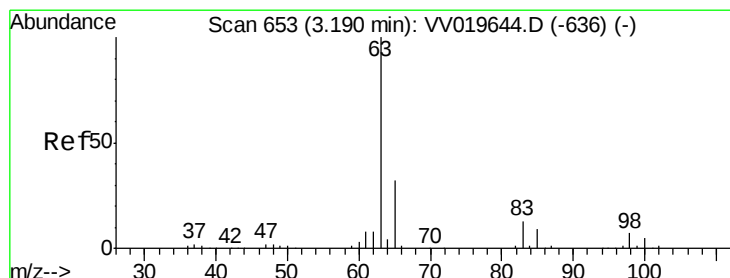
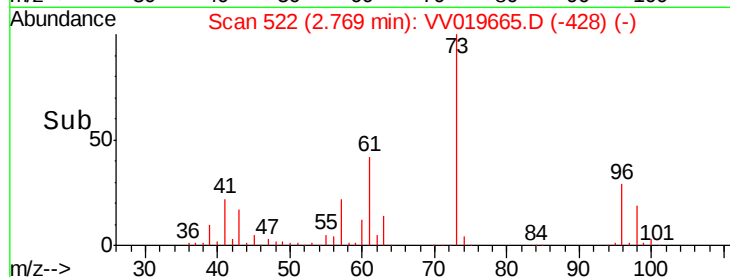
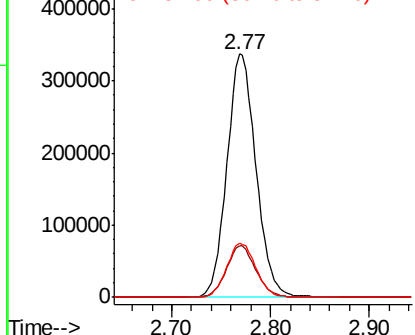
#18
Methvl tert-butvl Ether
Concen: 52.505 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 693590
Ion Ratio Lower Upper
73 100
43 21.2 17.3 25.9
57 22.4 17.5 26.3

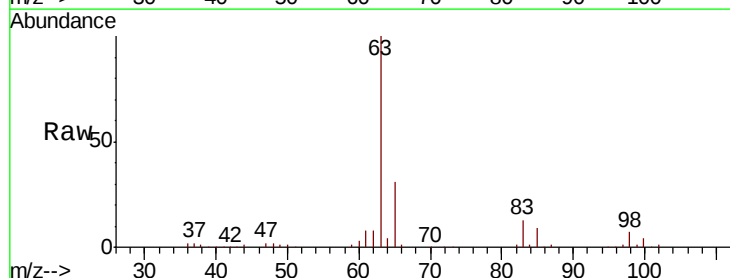


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

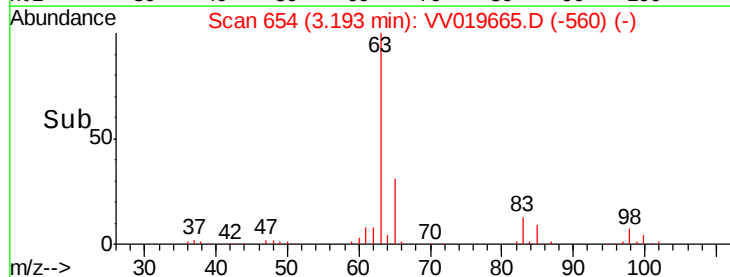
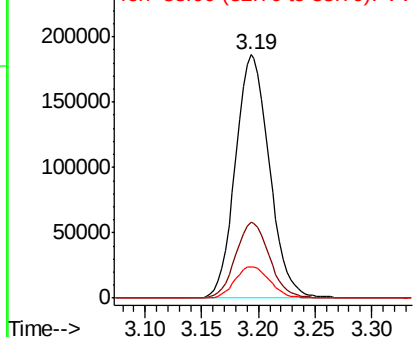


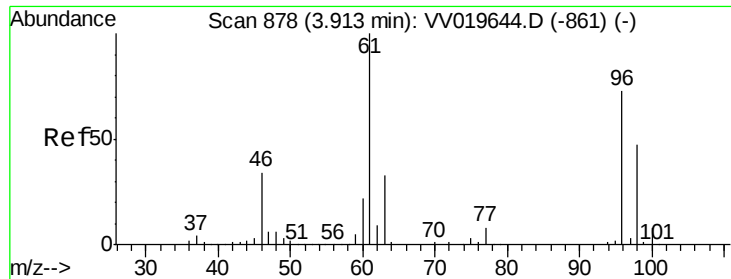
#19
1,1-Dichloroethane
Concen: 53.144 ug/L
RT: 3.19 min Scan# 654
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 63 Resp: 389502
Ion Ratio Lower Upper
63 100
65 31.1 22.4 41.6
83 13.0 9.6 17.8



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0

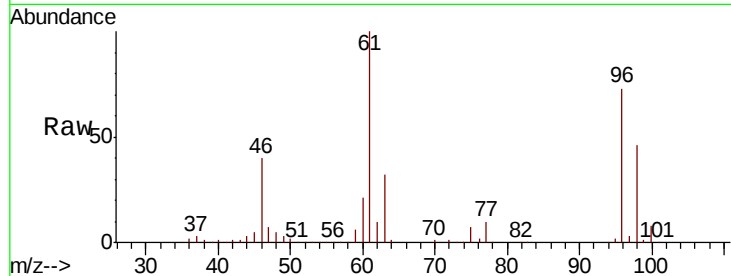




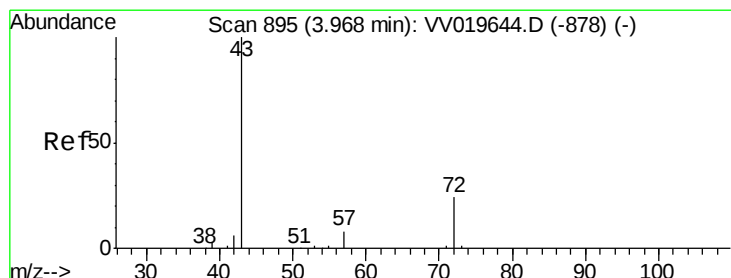
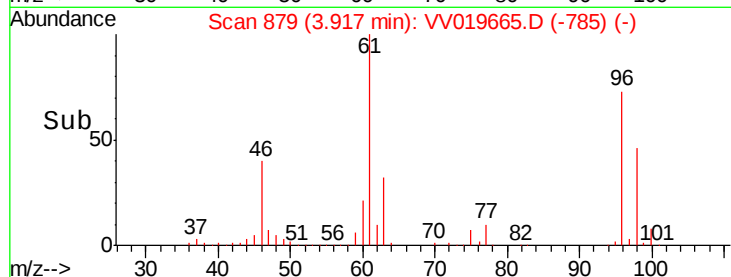
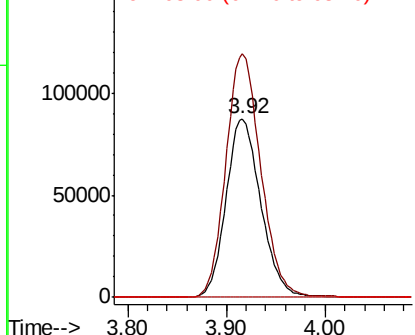
#20
 cis-1,2-Dichloroethene
 Concen: 51.700 ug/L
 RT: 3.92 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 96 Resp: 214856
 Ion Ratio Lower Upper
 96 100
 61 136.3 94.1 174.8
 68 0.0 0.1 0.1#

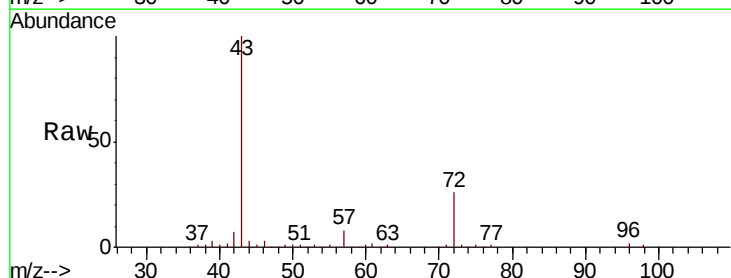


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

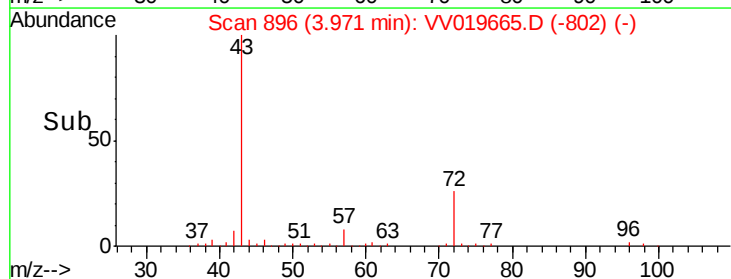
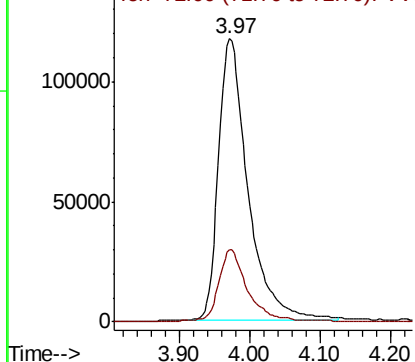


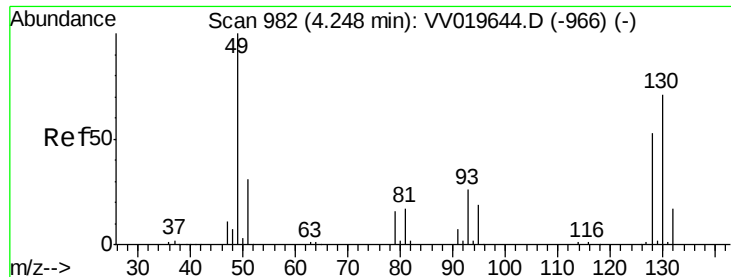
#22
 2-Butanone
 Concen: 121.167 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion: 43 Resp: 341672
 Ion Ratio Lower Upper
 43 100
 72 25.5 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0

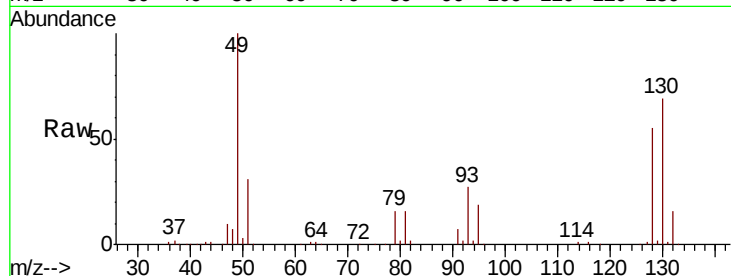




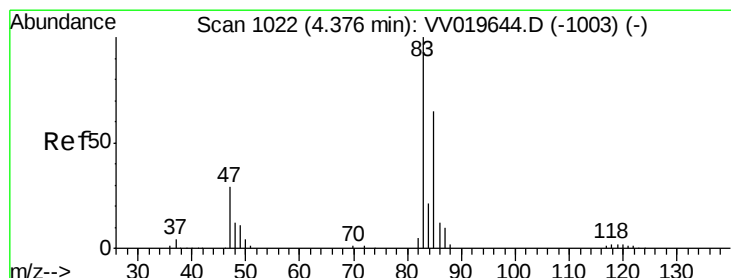
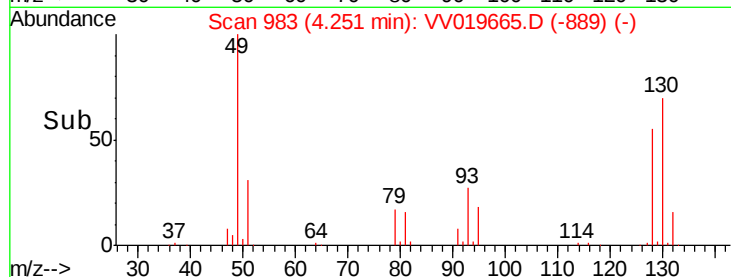
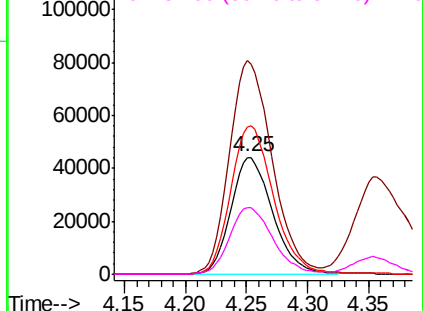
#23
Bromochloromethane
Concen: 51.320 ug/L
RT: 4.25 min Scan# 983
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:128 Resp: 104939
Ion Ratio Lower Upper
128 100
49 183.3 127.0 235.8
130 126.2 90.3 167.7
51 57.4 44.5 66.7

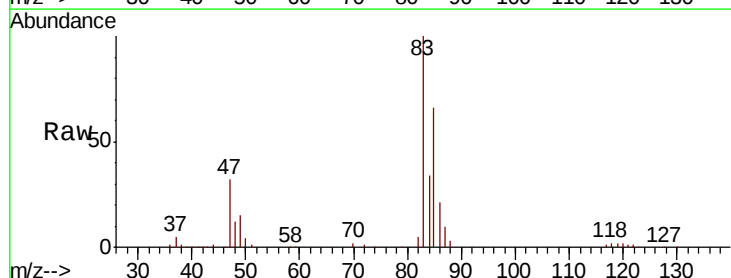


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

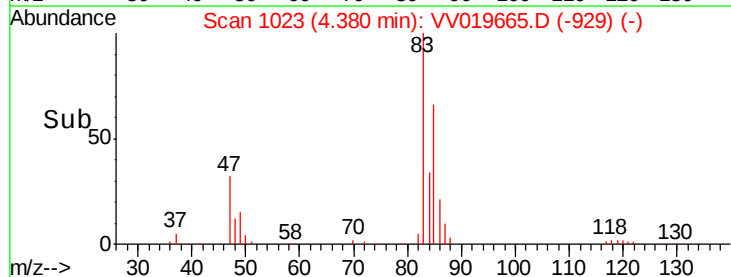
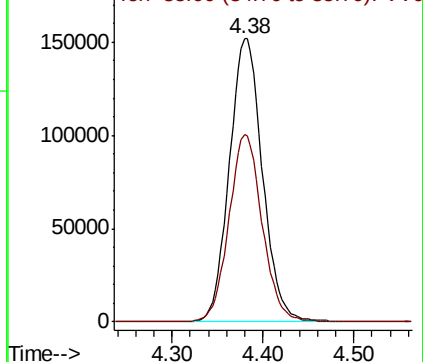


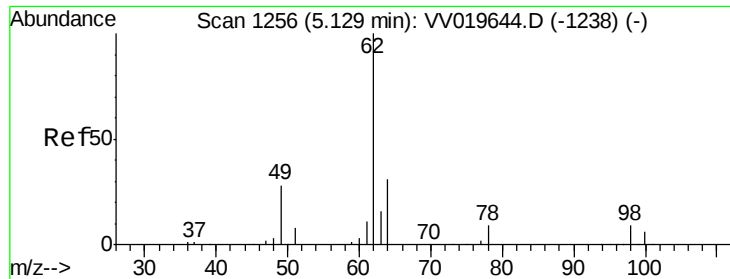
#25
Chloroform
Concen: 52.371 ug/L
RT: 4.38 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 83 Resp: 383351
Ion Ratio Lower Upper
83 100
85 66.3 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

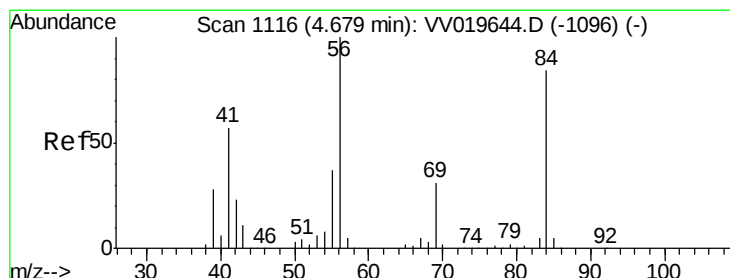
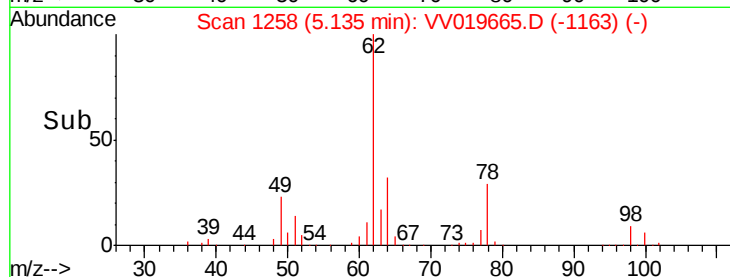
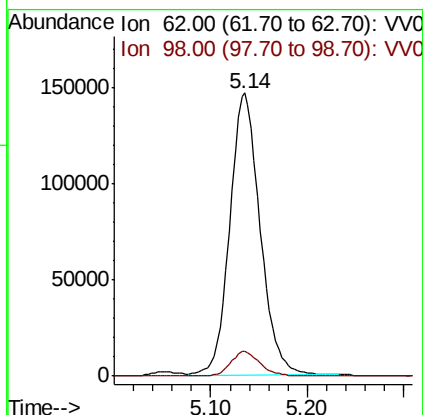
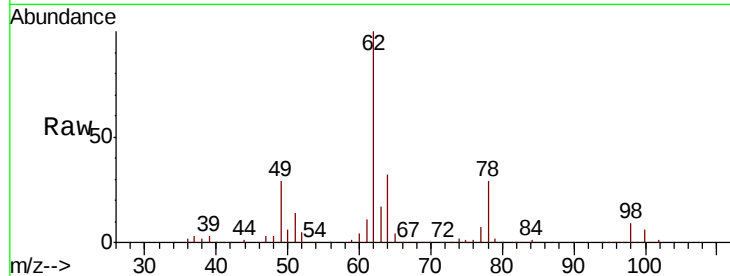




#27
 1,2-Dichloroethane
 Concen: 52.929 ug/L
 RT: 5.14 min Scan# 1258
 Delta R.T. 0.01 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

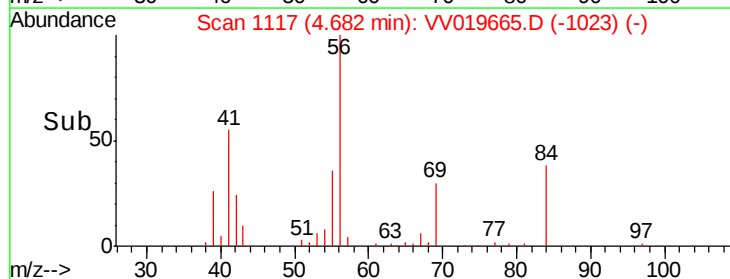
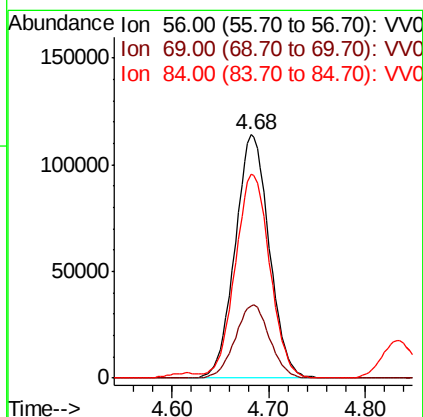
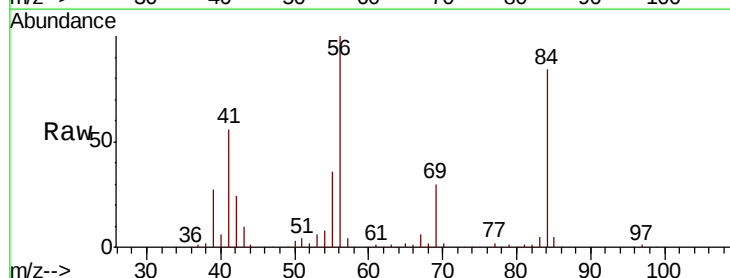
Instrument :
 MSVOA_V
 ClientSampleId :

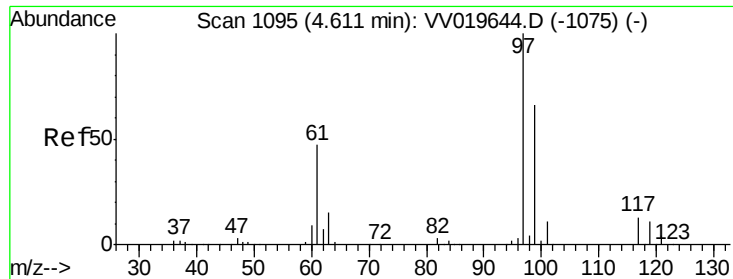
Tot Ion: 62 Resp: 320973
 Ion Ratio Lower Upper
 62 100
 98 8.9 7.4 11.0



#29
 Cyclohexane
 Concen: 42.849 ug/L
 RT: 4.68 min Scan# 1117
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion: 56 Resp: 279431
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.6 37.0
 84 85.1 68.2 102.4

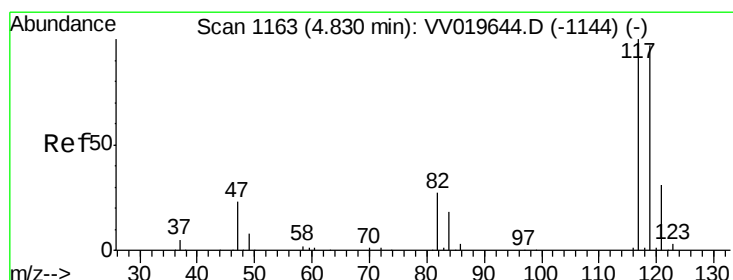
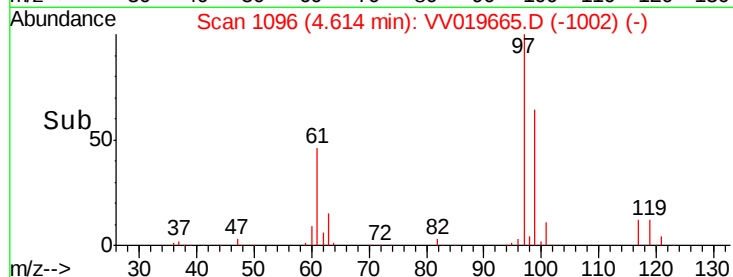
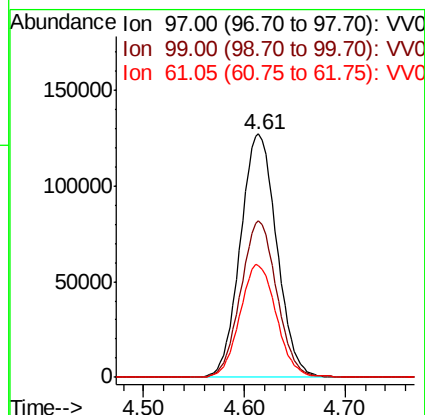
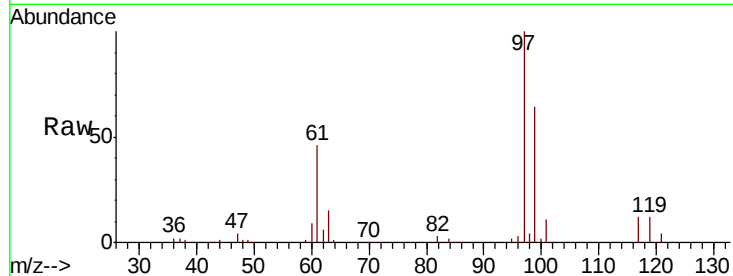




#30
 1,1,1-Trichloroethane
 Concen: 47.609 ug/L
 RT: 4.61 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

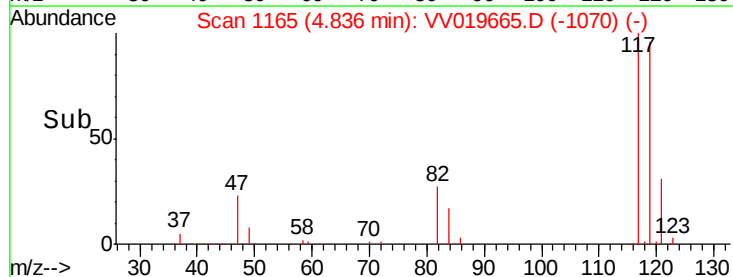
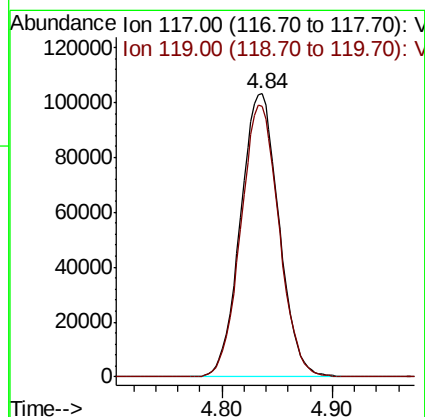
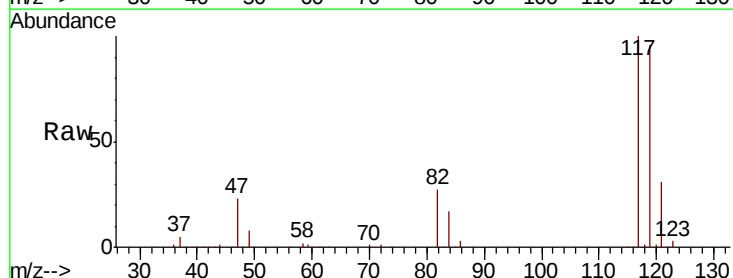
Instrument :
 MSVOA_V
 ClientSampleId :

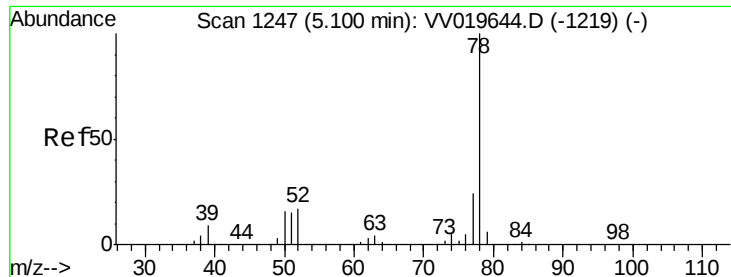
Tot Ion: 97 Resp: 317628
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.3 76.9
 61 46.7 36.3 54.5



#31
 Carbon tetrachloride
 Concen: 44.269 ug/L
 RT: 4.84 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion: 117 Resp: 249328
 Ion Ratio Lower Upper
 117 100
 119 95.2 75.7 113.5





#33

Benzene

Concen: 52.033 ug/L

RT: 5.10 min Scan# 1248

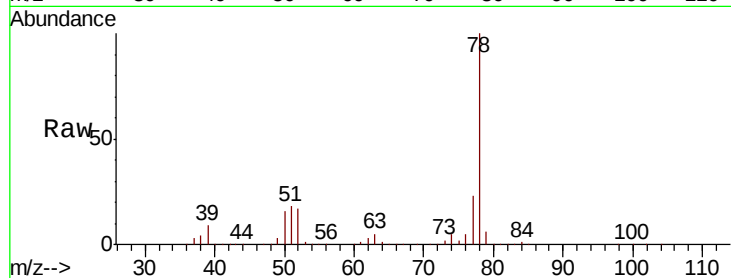
Delta R.T. 0.00 min

Lab File: VV019665.D

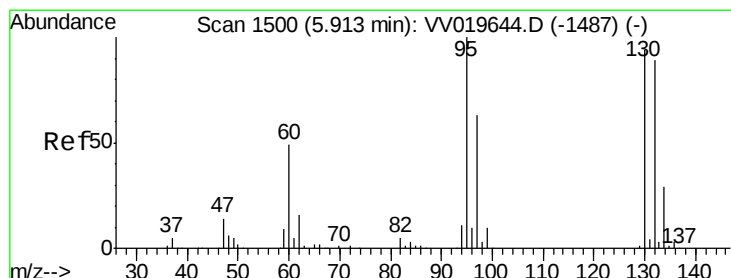
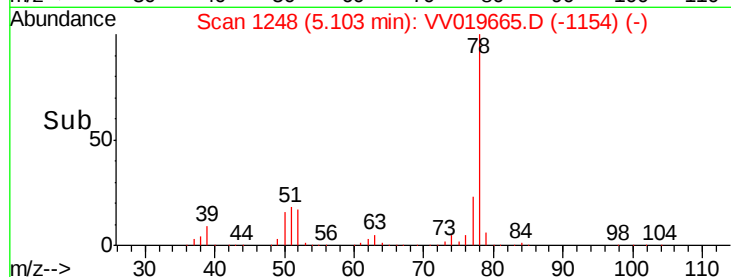
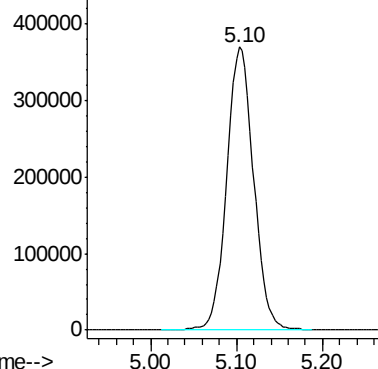
Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 809133



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 48.165 ug/L

RT: 5.92 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Tgt Ion: 95 Resp: 197856

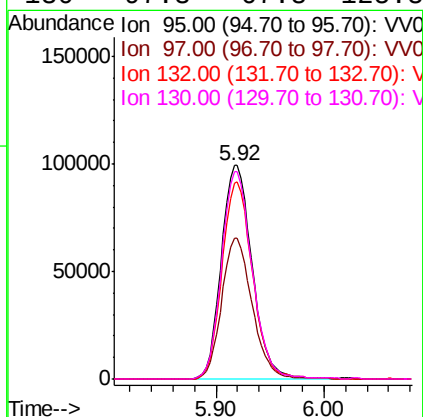
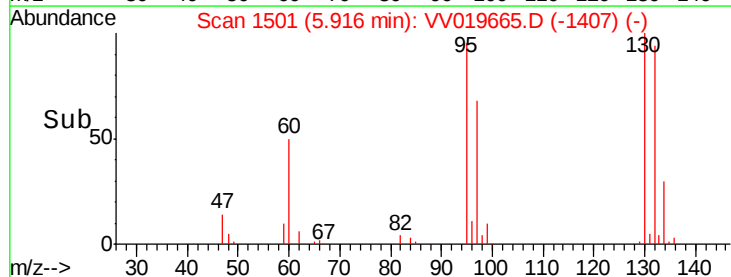
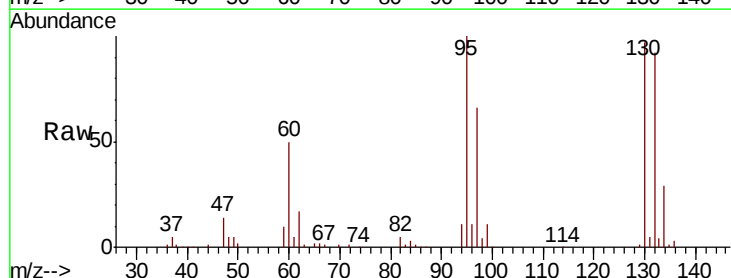
Ion	Ratio	Lower	Upper
95	100		
97	66.1	44.4	82.4
132	91.7	64.3	119.3
130	97.3	67.8	125.8

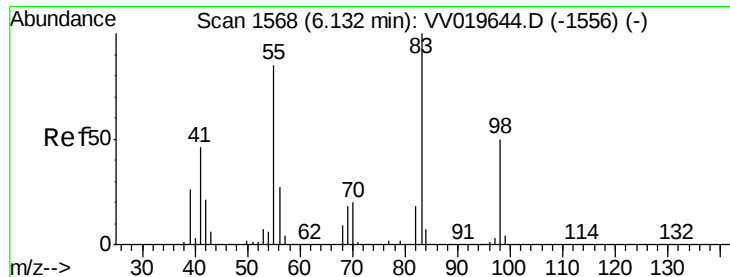
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

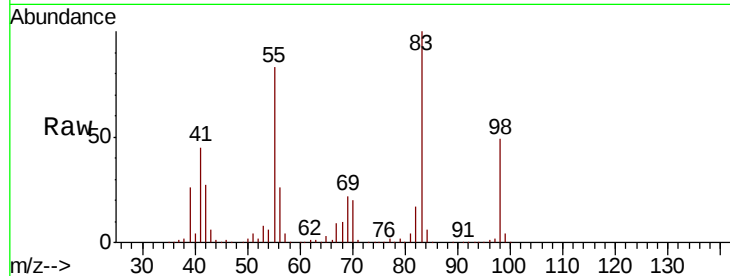




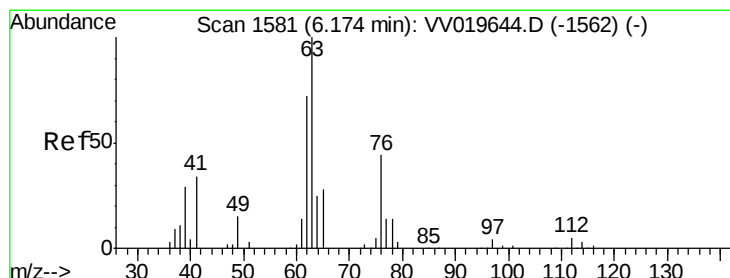
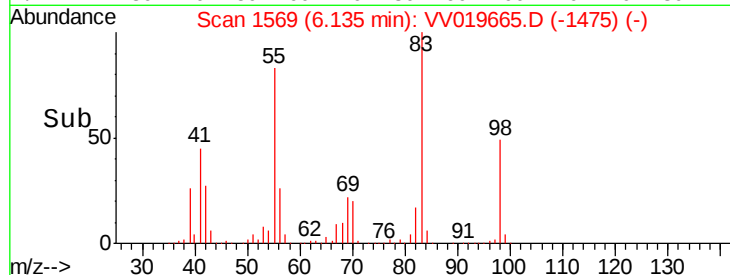
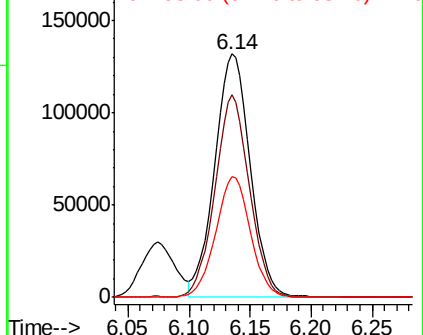
#35
Methvlcvclohexane
Concen: 43.030 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 268531
Ion Ratio Lower Upper
83 100
55 80.6 64.2 96.4
98 48.8 39.3 58.9

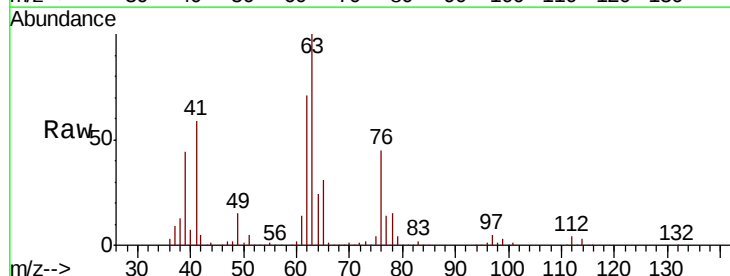


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

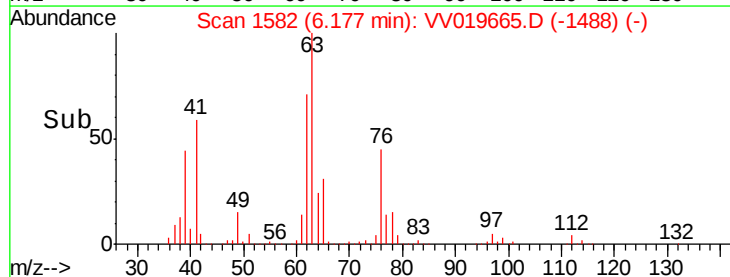
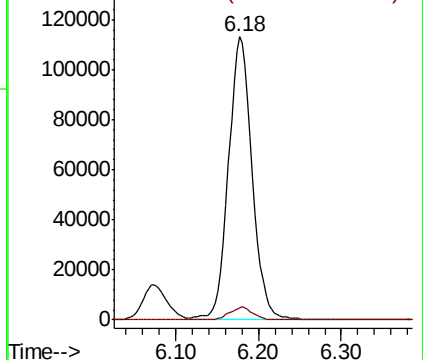


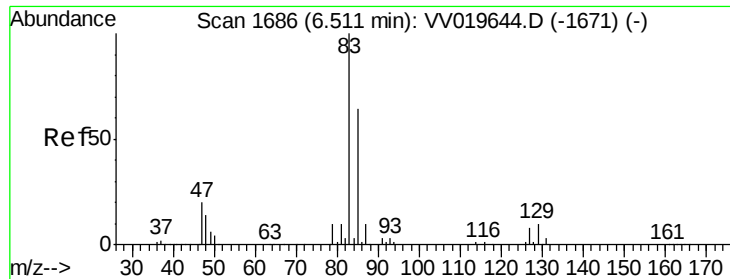
#37
1,2-Dichloropropane
Concen: 55.104 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 63 Resp: 223778
Ion Ratio Lower Upper
63 100
112 4.4 3.5 5.3



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

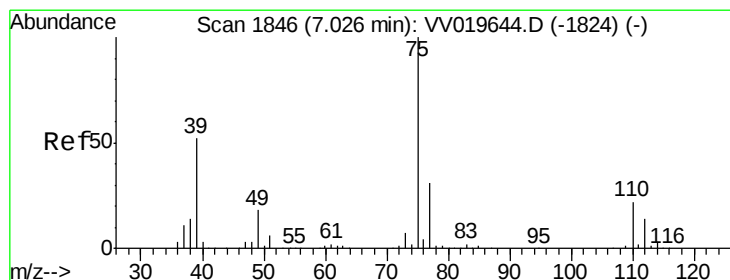
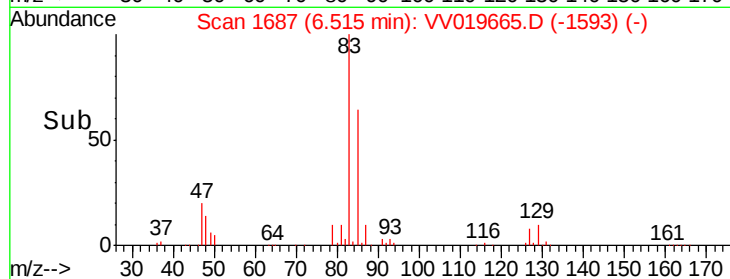
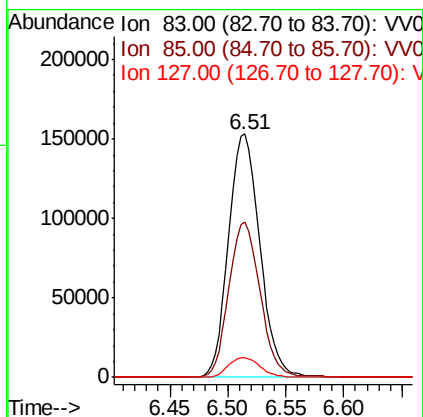
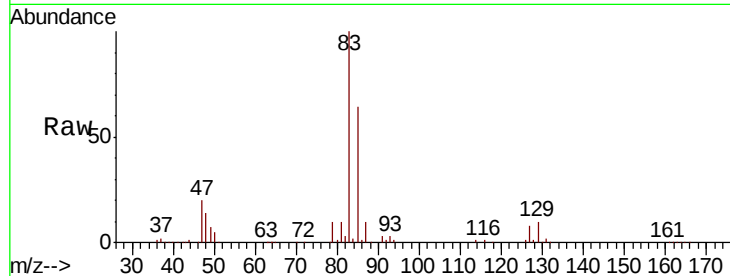




#38
Bromodichloromethane
Concen: 50.630 ug/L
RT: 6.51 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

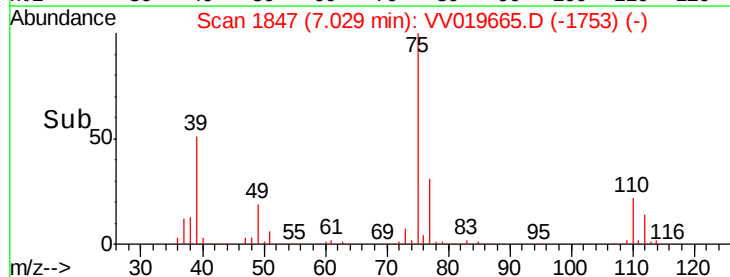
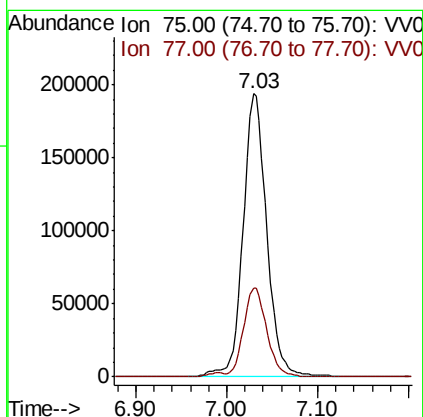
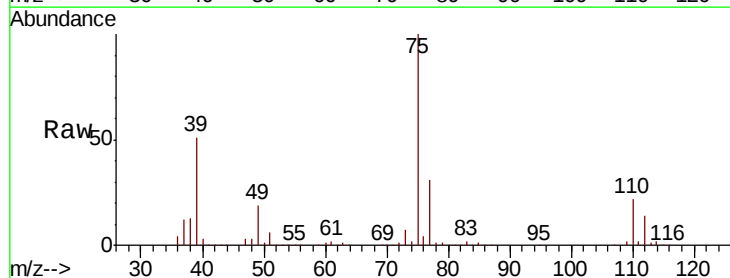
Instrument :
MSVOA_V
ClientSampleId :

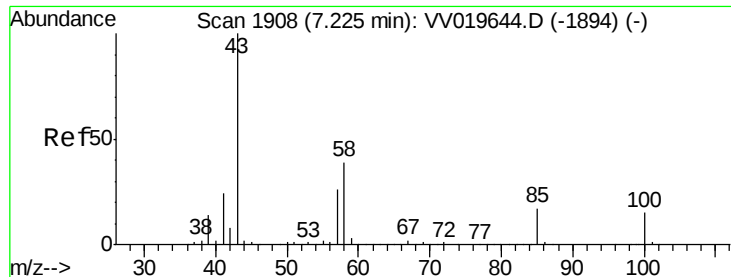
Tot Ion: 83 Resp: 287512
Ion Ratio Lower Upper
83 100
85 63.9 44.9 83.5
127 8.0 6.7 10.1



#39
cis-1,3-Dichloropropene
Concen: 52.071 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 75 Resp: 351203
Ion Ratio Lower Upper
75 100
77 31.4 22.4 41.6

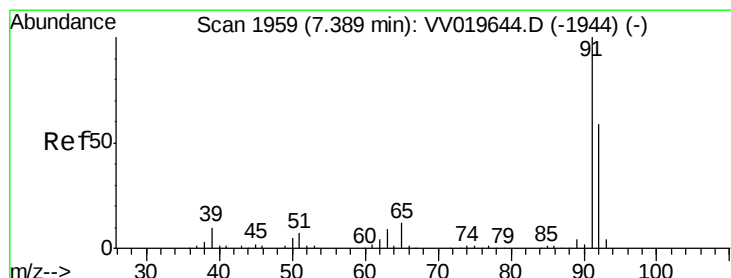
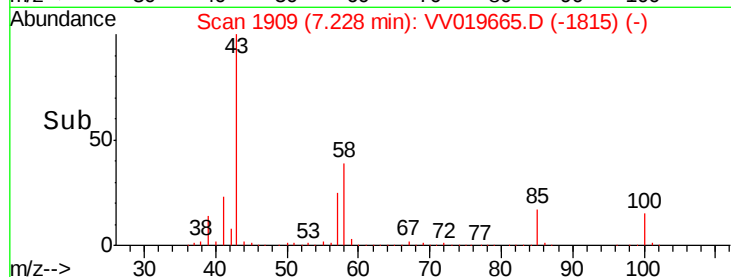
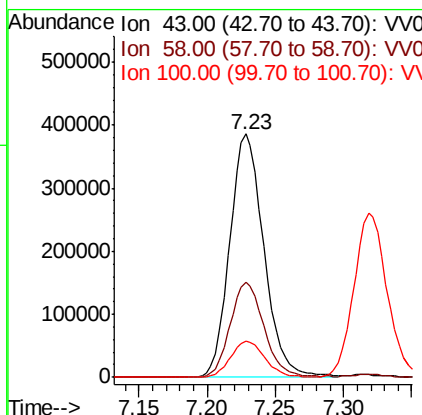
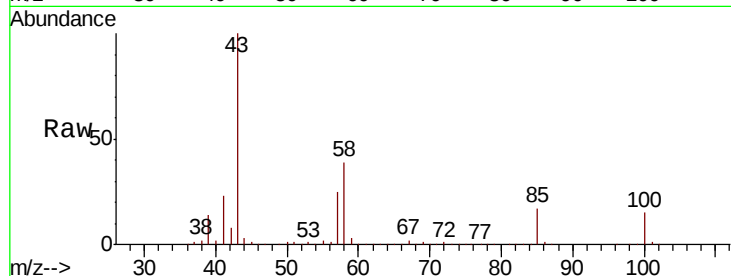




#40
4-Methyl-2-pentanone
Concen: 114.406 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

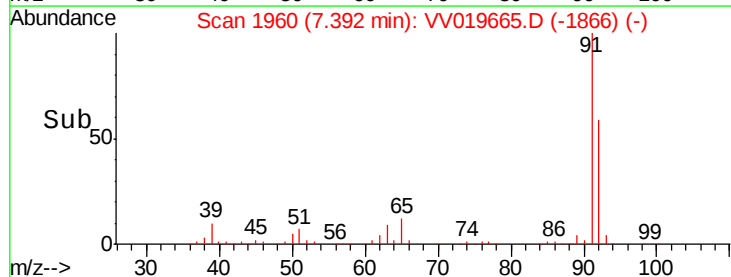
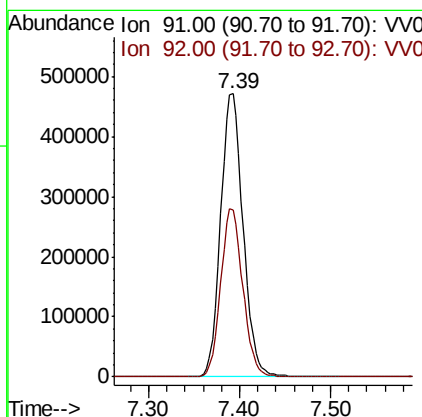
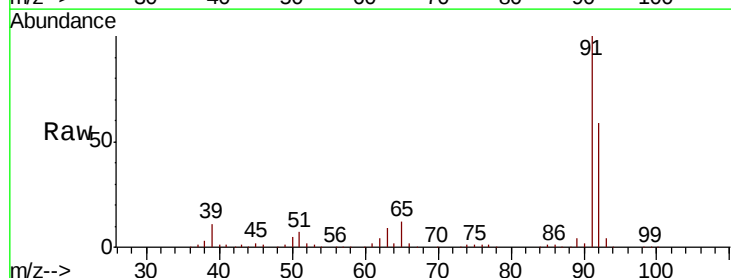
Instrument :
MSVOA_V
ClientSampled :

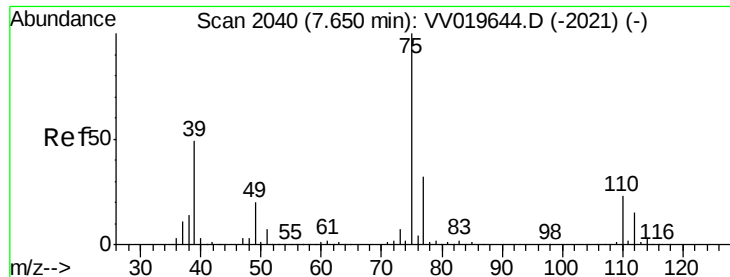
Tot Ion: 43 Resp: 670290
Ion Ratio Lower Upper
43 100
58 38.6 31.7 47.5
100 15.1 12.5 18.7



#42
Toluene
Concen: 49.248 ug/L
RT: 7.39 min Scan# 1960
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 91 Resp: 807151
Ion Ratio Lower Upper
91 100
92 58.9 41.4 76.8





#44

trans-1,3-Dichloropropene

Concen: 49.000 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :

MSVOA_V

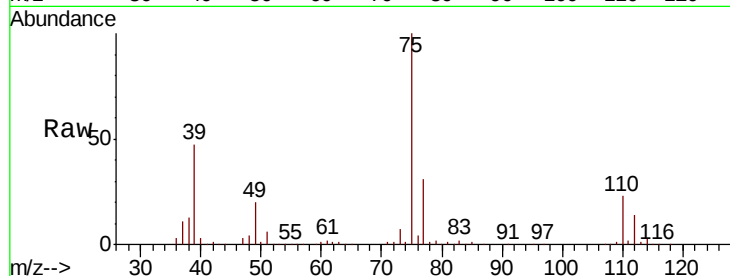
ClientSampled :

Tot Ion: 75 Resp: 334640

Ion Ratio Lower Upper

75 100

77 31.0 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV019644.D (-2021) (-)

Ion 77.00 (76.70 to 77.70): VV019644.D (-2021) (-)

7.65

200000

150000

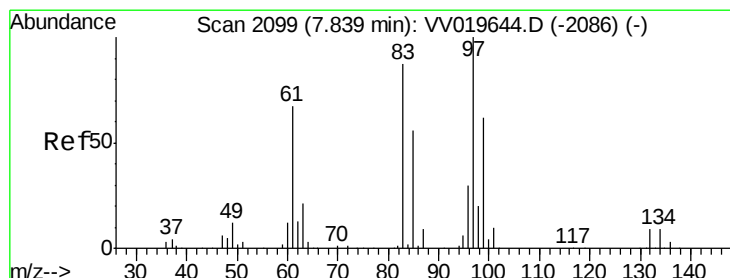
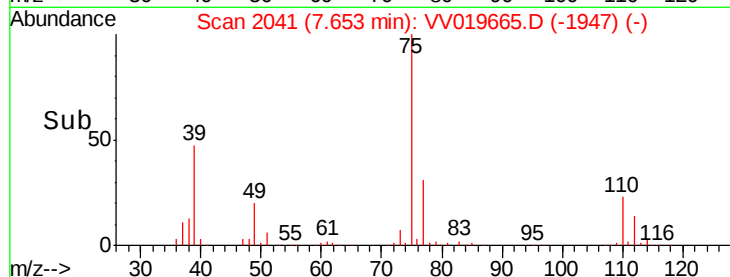
100000

50000

0

7.60 7.70

Time-->



#45

1,1,2-Trichloroethane

Concen: 53.725 ug/L

RT: 7.84 min Scan# 2100

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Tgt Ion: 97 Resp: 207186

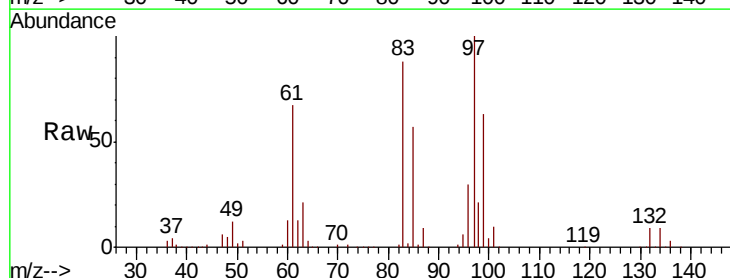
Ion Ratio Lower Upper

97 100

99 63.2 44.1 81.9

83 87.5 60.0 111.4

85 56.7 38.6 71.8



Abundance Ion 97.00 (96.70 to 97.70): VV019644.D (-2086) (-)

Ion 99.00 (98.70 to 99.70): VV019644.D (-2086) (-)

Ion 83.00 (82.70 to 83.70): VV019644.D (-2086) (-)

Ion 85.00 (84.70 to 85.70): VV019644.D (-2086) (-)

7.84

150000

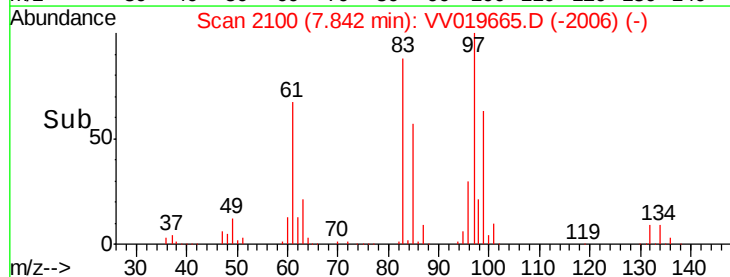
100000

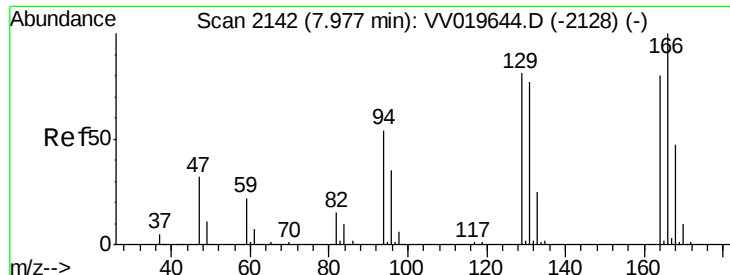
50000

0

7.75 7.80 7.85 7.90 7.95

Time-->





#46

Tetrachloroethene

Concen: 44.055 ug/L

RT: 7.98 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:164 Resp: 125224

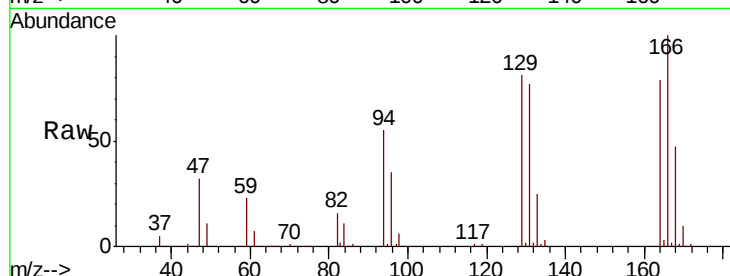
Ion Ratio Lower Upper

164 100

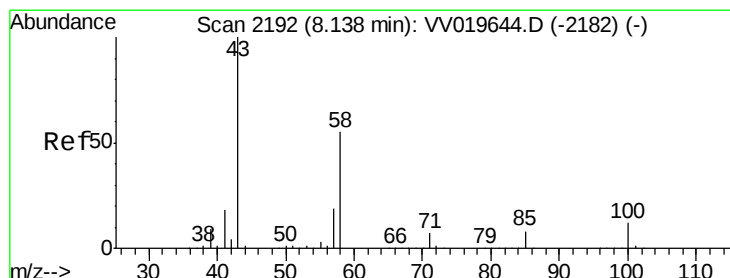
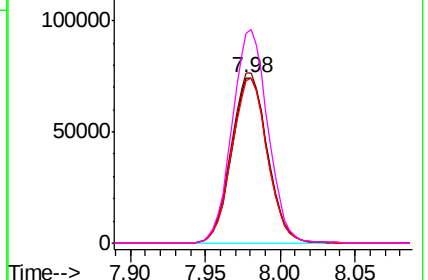
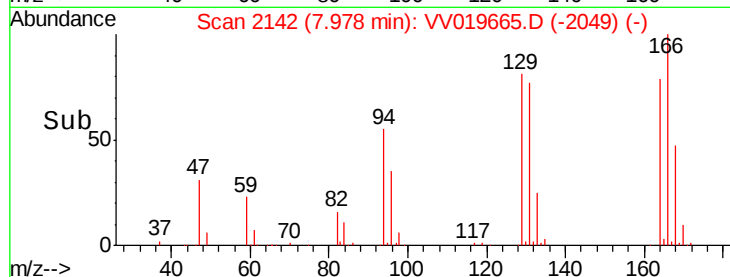
129 102.9 70.6 131.0

131 98.0 68.0 126.4

166 127.2 86.9 161.5



Abundance Ion 164.00 (163.70 to 164.70): V
150000
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 114.943 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Tgt Ion: 43 Resp: 510988

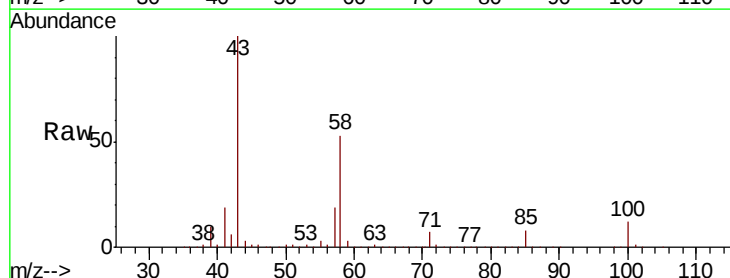
Ion Ratio Lower Upper

43 100

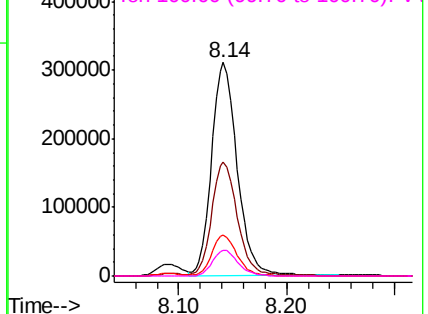
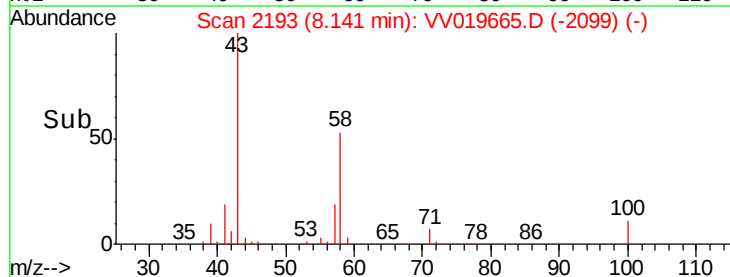
58 53.4 44.4 66.6

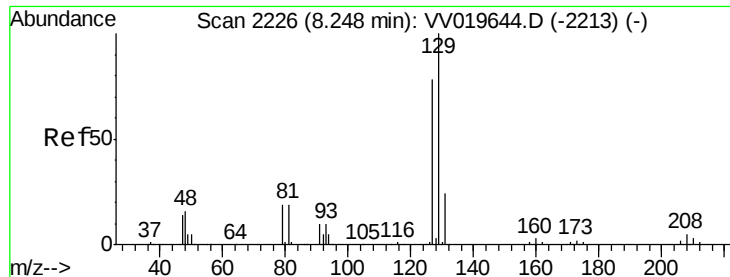
57 18.9 15.7 23.5

100 12.3 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 50.183 ug/L

RT: 8.25 min Scan# 2227

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :

MSVOA_V

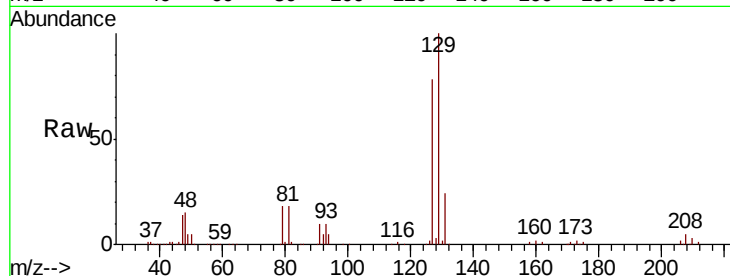
ClientSampleId :

Tot Ion:129 Resp: 211936

Ion Ratio Lower Upper

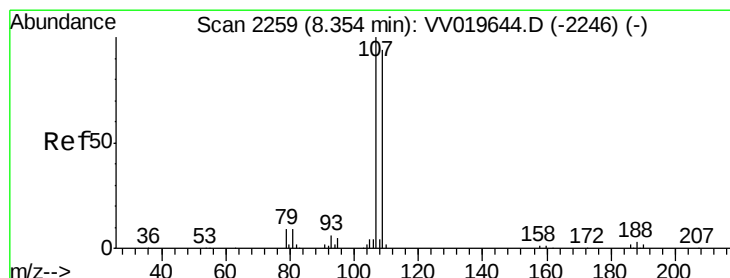
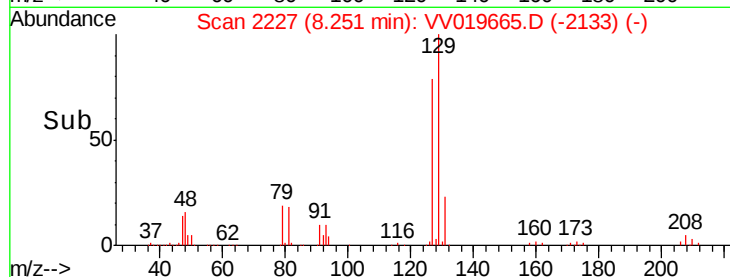
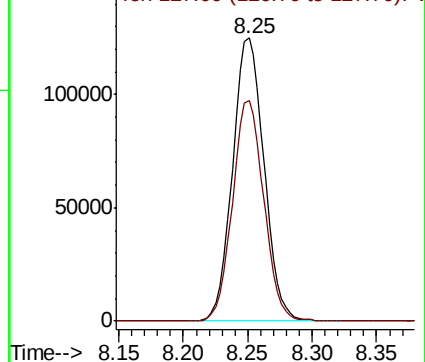
129 100

127 78.1 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 53.220 ug/L

RT: 8.36 min Scan# 2260

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

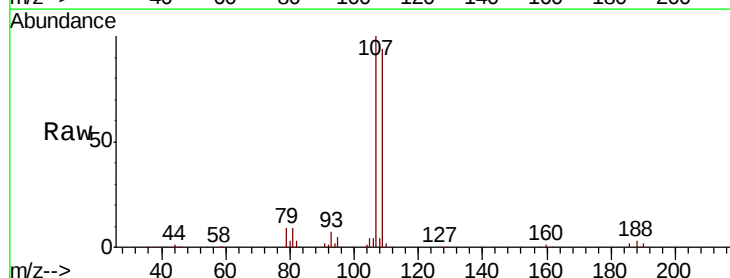
Tgt Ion:107 Resp: 216127

Ion Ratio Lower Upper

107 100

109 93.8 66.4 123.2

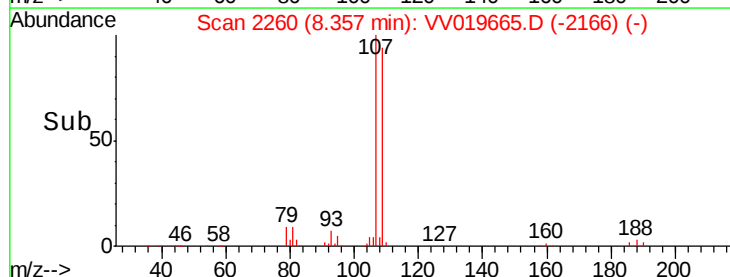
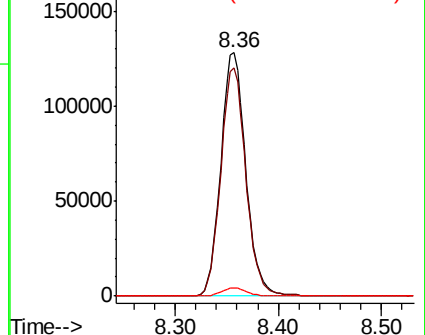
188 3.4 2.9 4.3

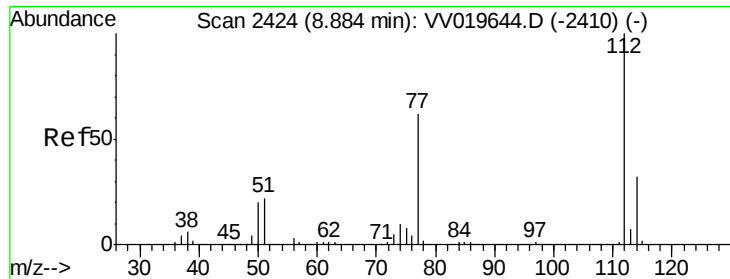


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

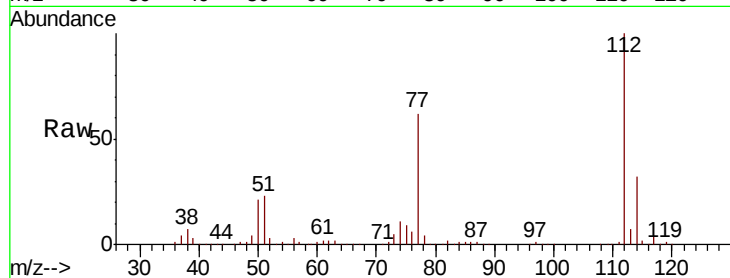




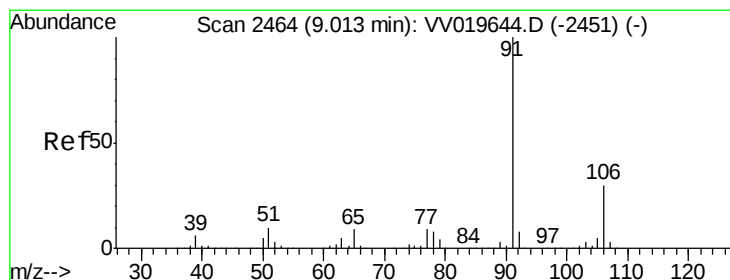
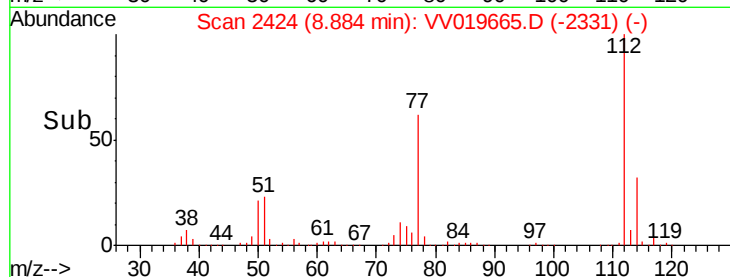
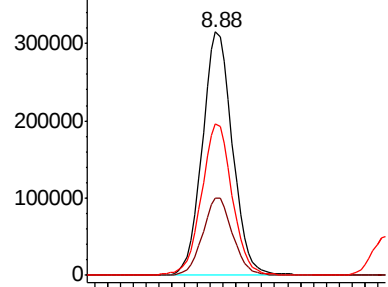
#51
Chlorobenzene
Concen: 48.773 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:112 Resp: 510547
Ion Ratio Lower Upper
112 100
114 31.9 22.2 41.2
77 62.0 50.6 75.8

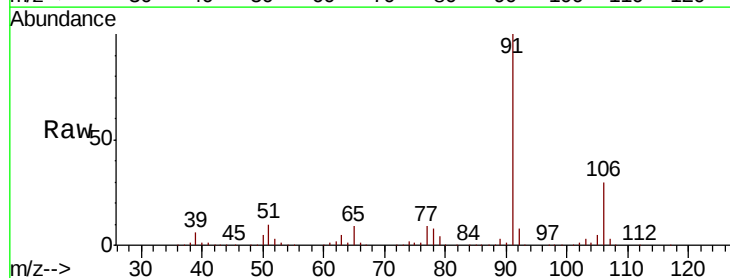


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

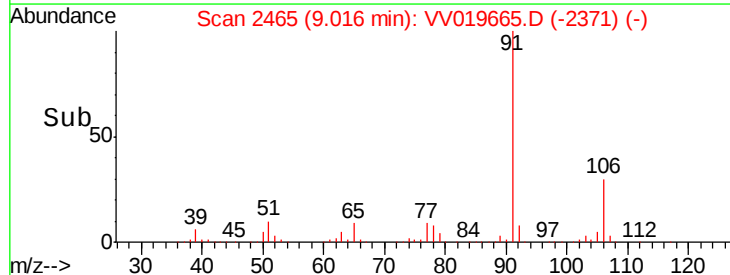
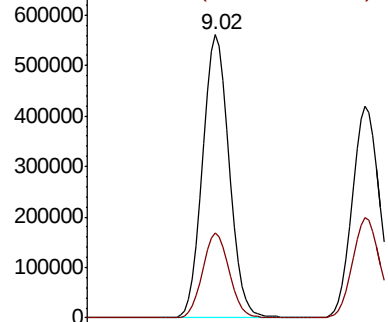


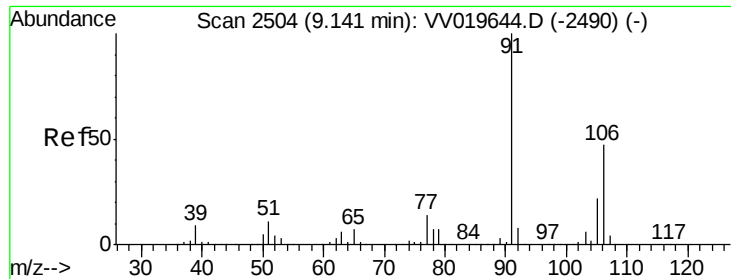
#52
Ethylbenzene
Concen: 46.570 ug/L
RT: 9.02 min Scan# 2465
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion: 91 Resp: 869619
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 45.636 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

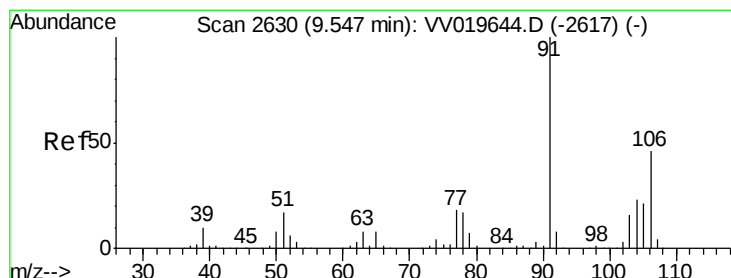
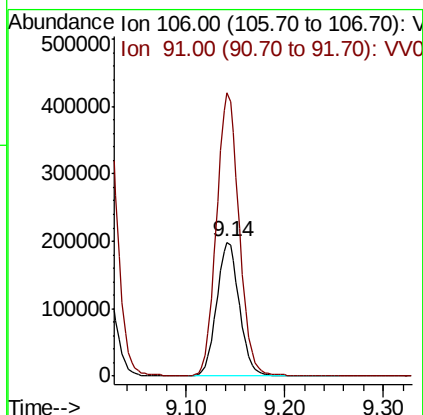
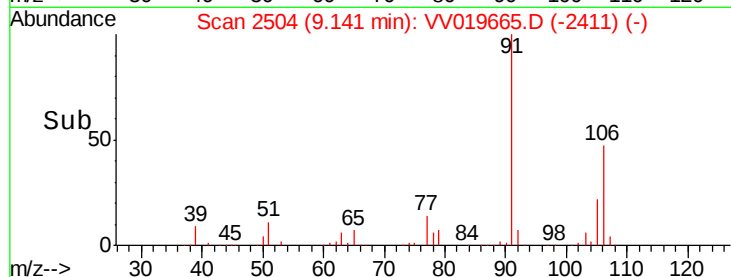
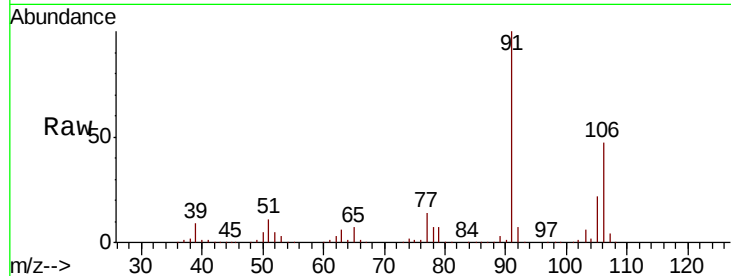
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 318367

Ion Ratio Lower Upper

106 100

91 211.3 147.7 274.3



#54

o-xylene

Concen: 47.595 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. 0.00 min

Lab File: VV019665.D

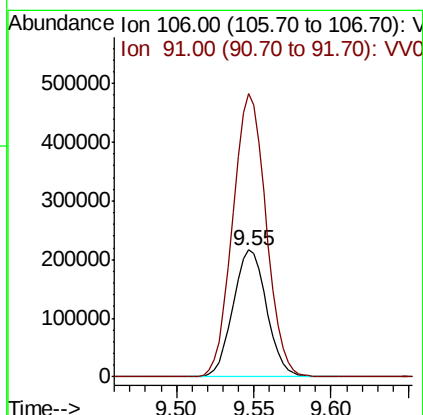
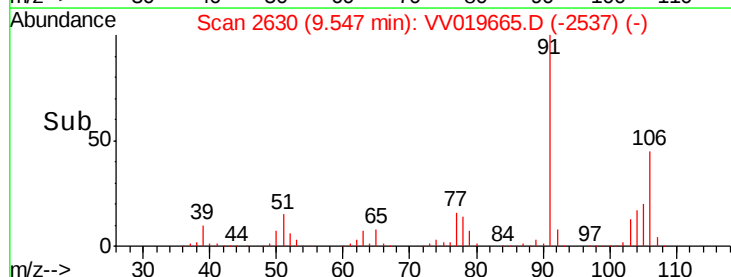
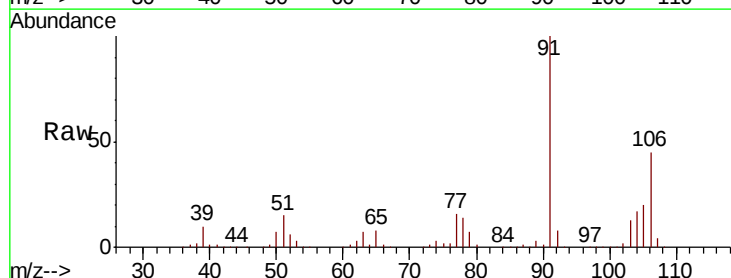
Acq: 15 Dec 2020 21:35

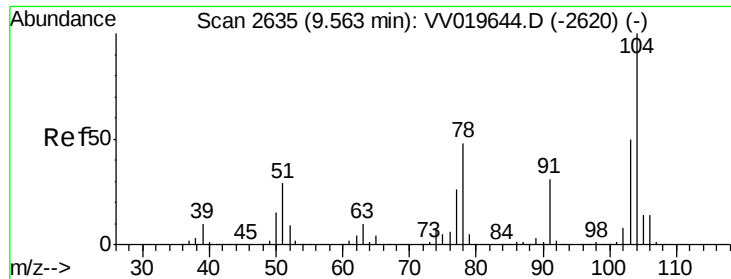
Tgt Ion:106 Resp: 325450

Ion Ratio Lower Upper

106 100

91 222.6 156.7 291.1

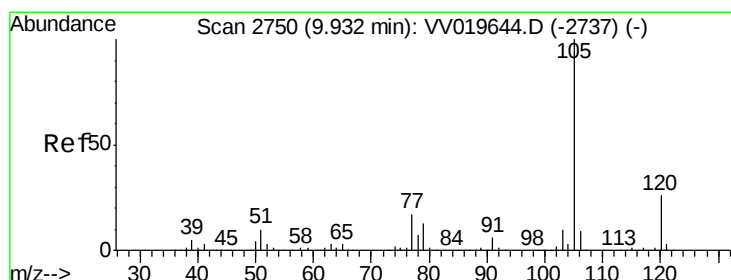
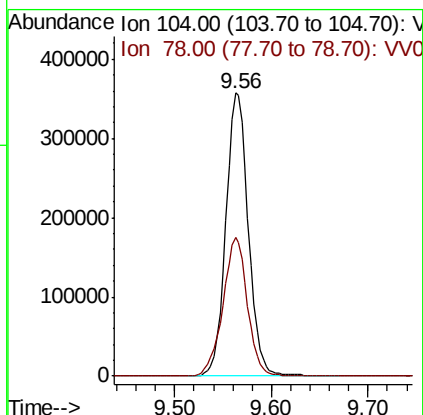
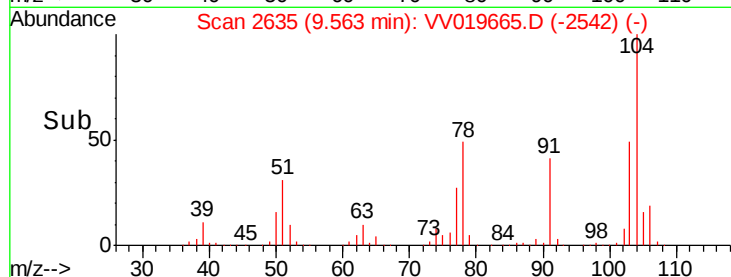
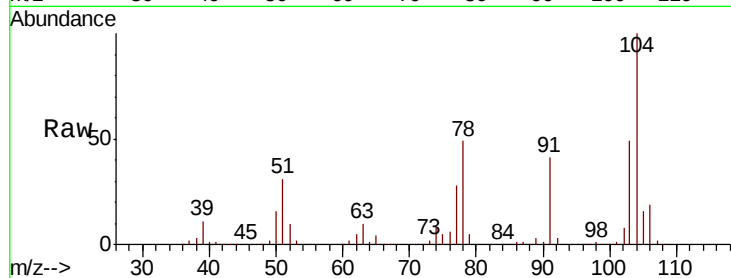




#55
Stvrene
Concen: 48.339 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

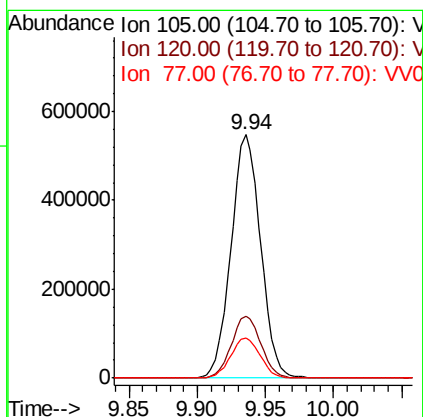
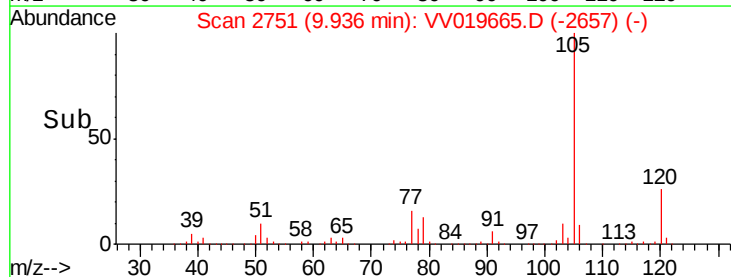
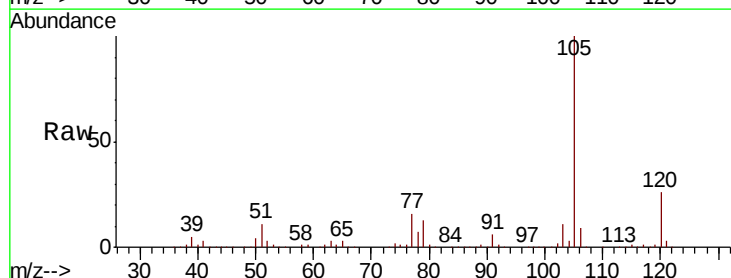
Instrument :
MSVOA_V
ClientSampleId :

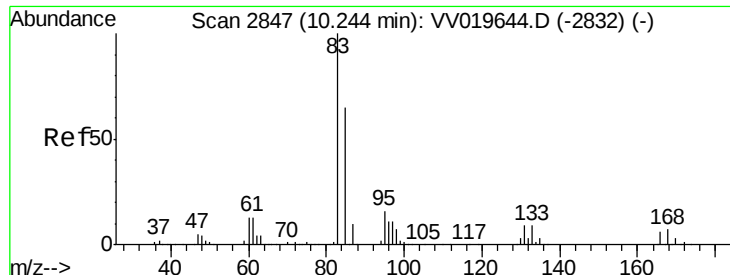
Tot Ion:104 Resp: 576095
Ion Ratio Lower Upper
104 100
78 49.1 33.7 62.7



#56
Isopropylbenzene
Concen: 45.263 ug/L
RT: 9.94 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VV019665.D
Acq: 15 Dec 2020 21:35

Tgt Ion:105 Resp: 824553
Ion Ratio Lower Upper
105 100
120 25.5 20.6 31.0
77 16.5 13.2 19.8





#58

1,1,2,2-Tetrachloroethane

Concen: 53.967 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :

MSVOA_V

ClientSampled :

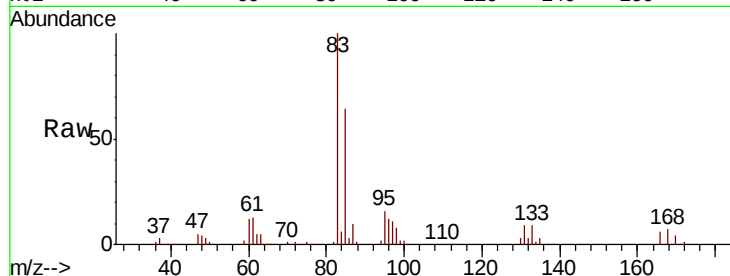
Tot Ion: 83 Resp: 334684

Ion Ratio Lower Upper

83 100

85 64.3 44.9 83.5

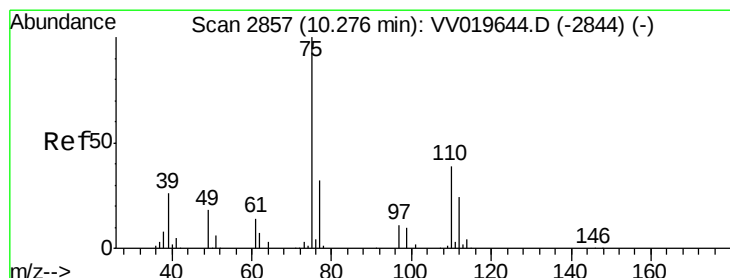
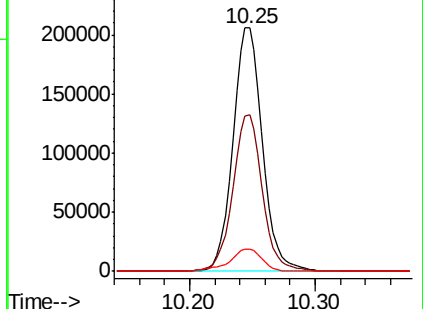
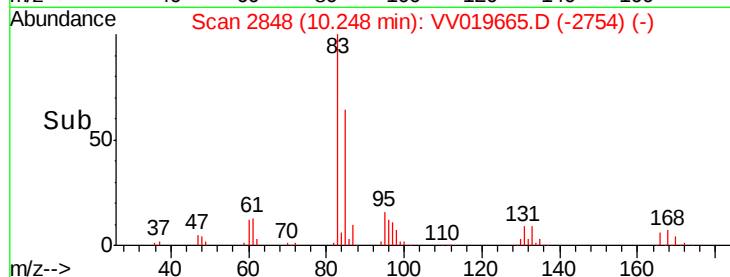
131 9.3 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV019644.D (-2832) (-)

Ion 85.00 (84.70 to 85.70): VV019644.D (-2832) (-)

Ion 131.00 (130.70 to 131.70): VV019644.D (-2832) (-)



#59

1,2,3-Trichloropropane

Concen: 56.104 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. 0.00 min

Lab File: VV019665.D

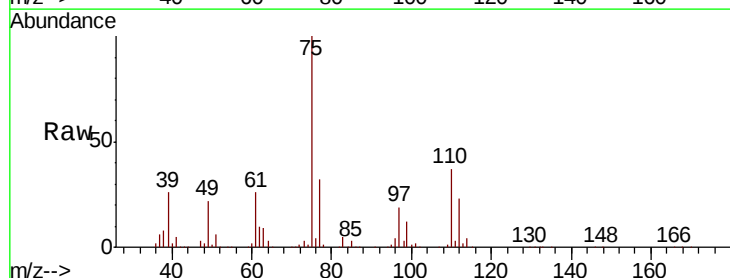
Acq: 15 Dec 2020 21:35

Tgt Ion: 75 Resp: 283392

Ion Ratio Lower Upper

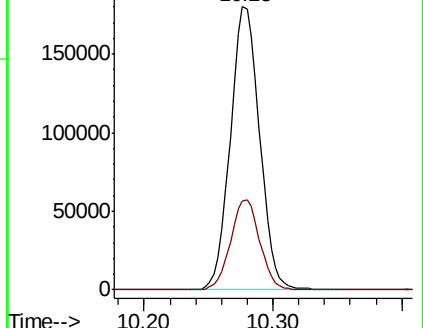
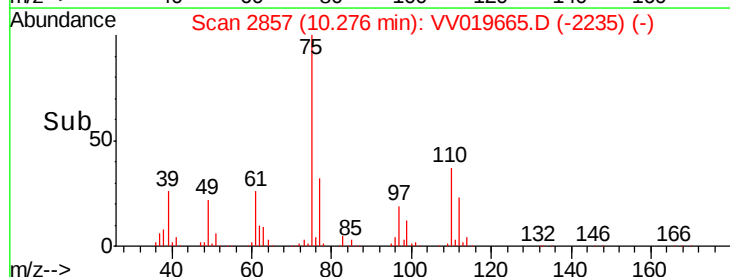
75 100

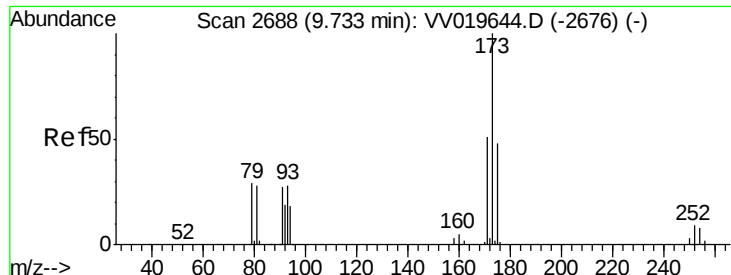
77 31.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV019644.D (-2844) (-)

Ion 77.00 (76.70 to 77.70): VV019644.D (-2844) (-)





#61

Bromoform

Concen: 47.752 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

Instrument :
MSVOA_V
ClientSampled :

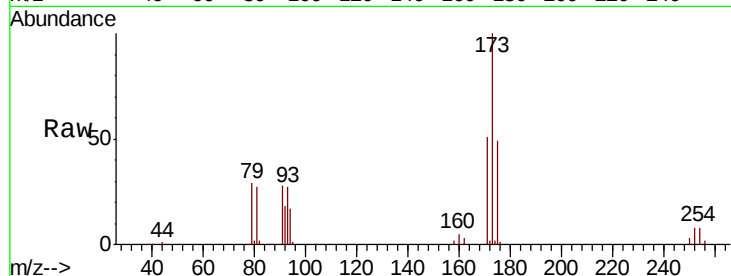
Tot Ion:173 Resp: 135865

Ion Ratio Lower Upper

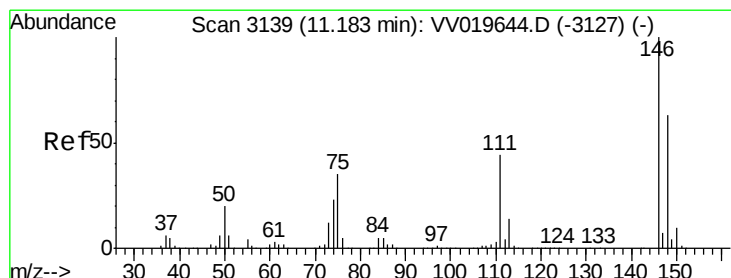
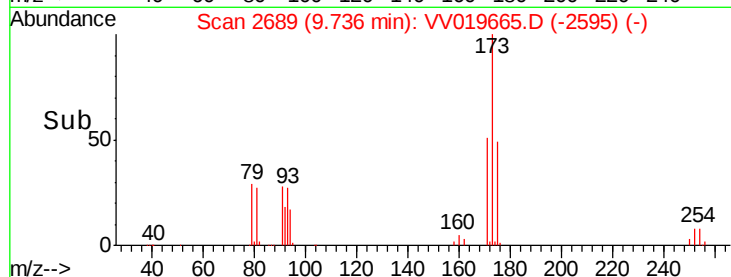
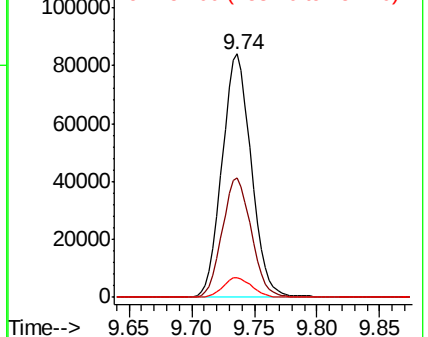
173 100

175 48.9 38.4 57.6

254 8.0 6.6 10.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 46.508 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019665.D

Acq: 15 Dec 2020 21:35

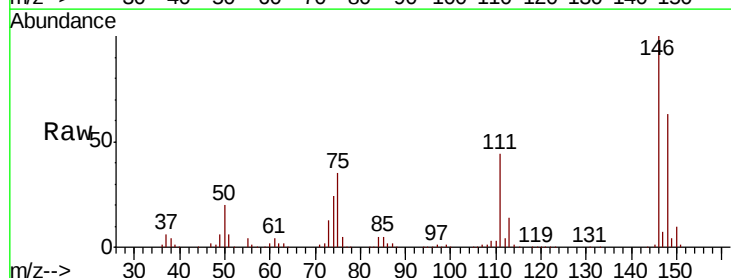
Tgt Ion:146 Resp: 366917

Ion Ratio Lower Upper

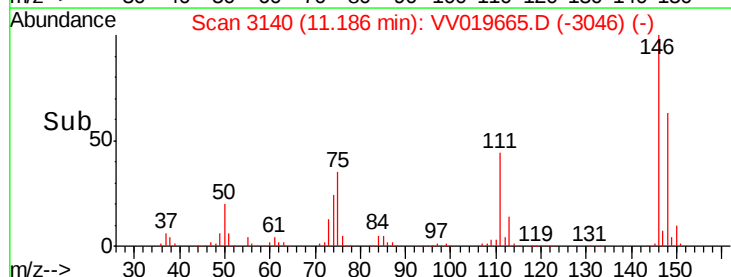
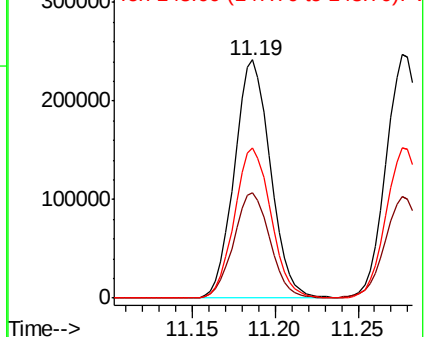
146 100

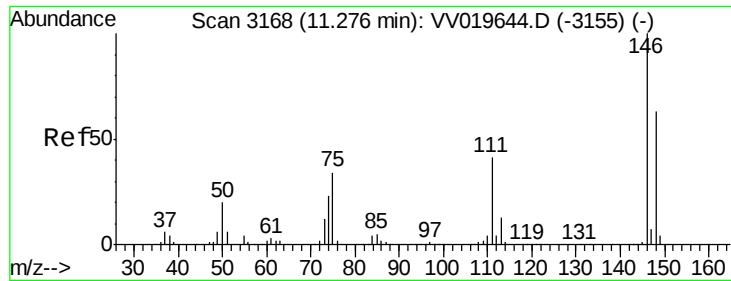
111 44.3 30.7 57.1

148 63.1 45.3 84.1



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

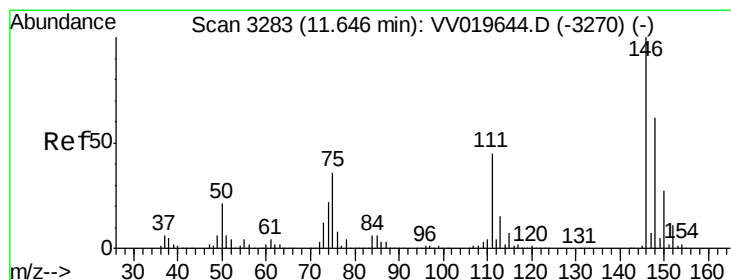
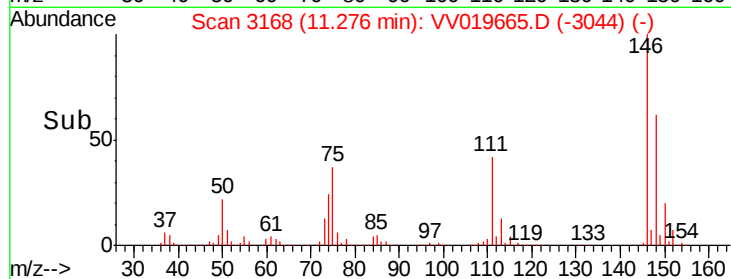
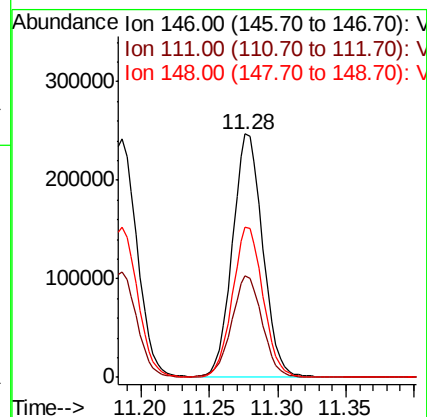
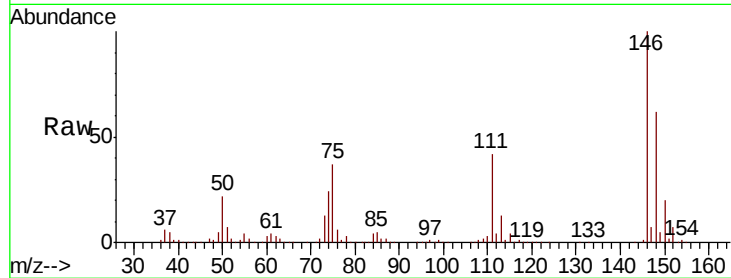




#63
 1,4-Dichlorobenzene
 Concen: 47.593 ug/L
 RT: 11.28 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

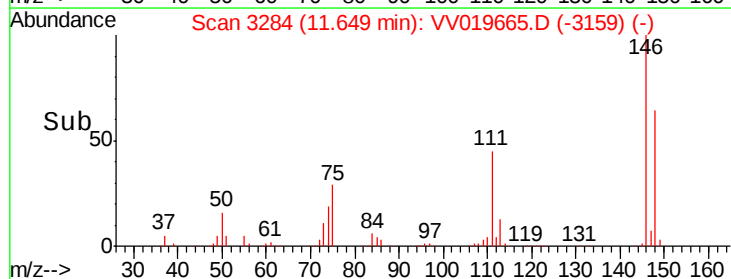
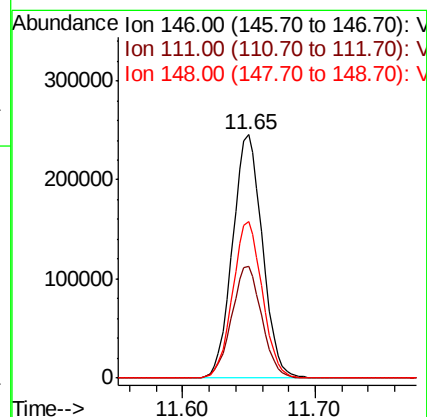
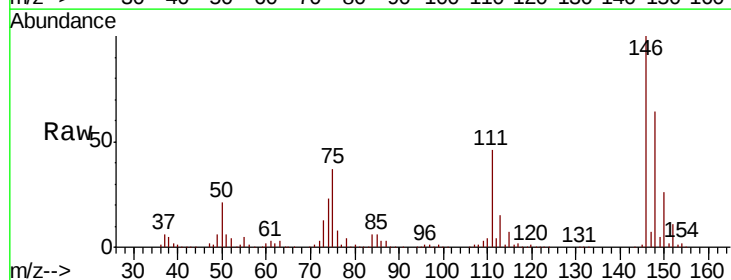
Instrument :
 MSVOA_V
 ClientSampleId :

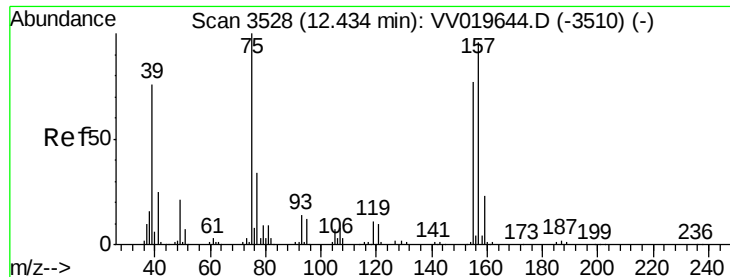
Tot Ion:146 Resp: 380209
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.8 55.4
 148 61.7 44.2 82.0



#65
 1,2-Dichlorobenzene
 Concen: 49.297 ug/L
 RT: 11.65 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion:146 Resp: 384302
 Ion Ratio Lower Upper
 146 100
 111 45.8 36.6 55.0
 148 64.1 50.7 76.1

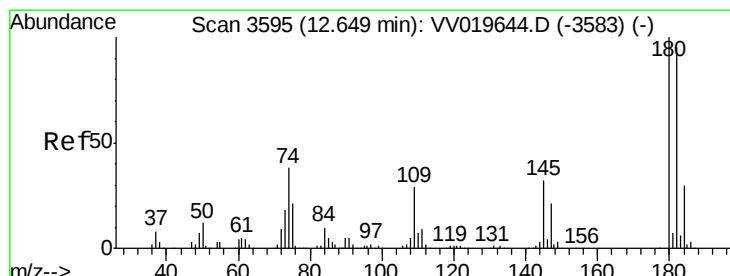
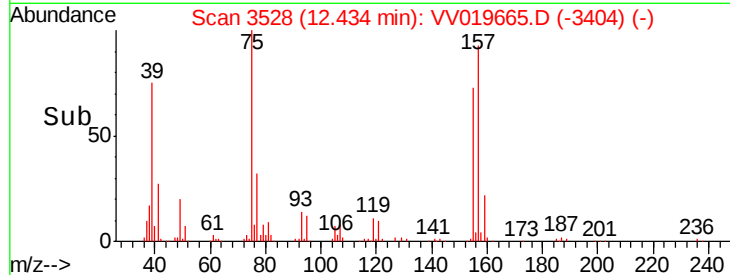
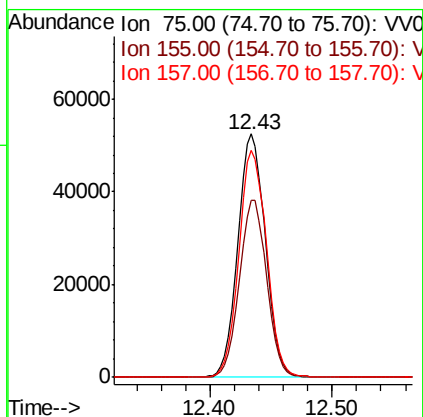
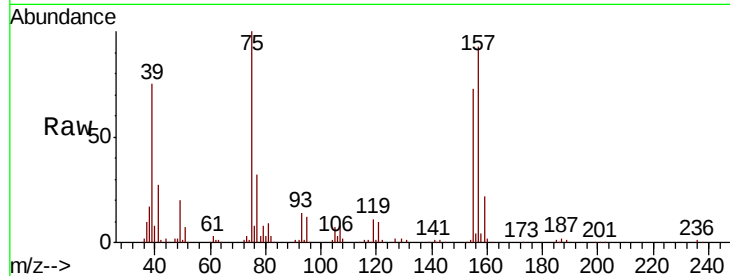




#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.205 ug/L
 RT: 12.43 min Scan# 3528
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

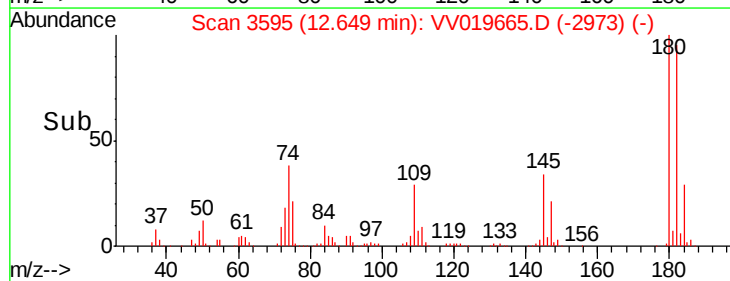
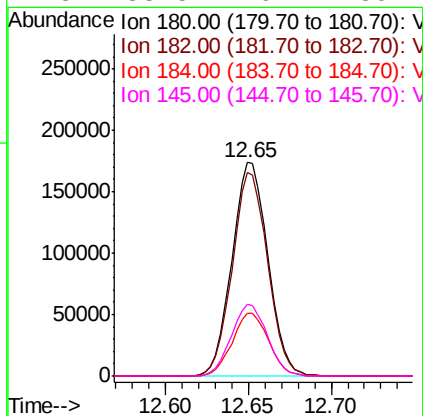
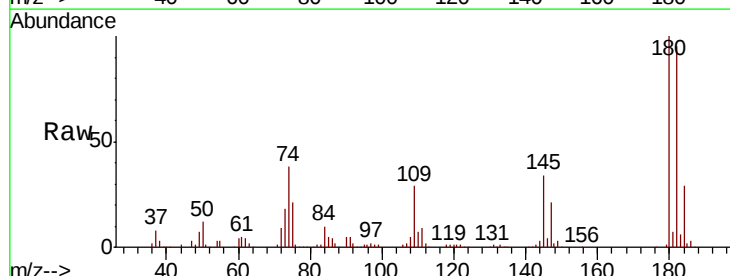
Instrument :
 MSVOA_V
 ClientSampleId :

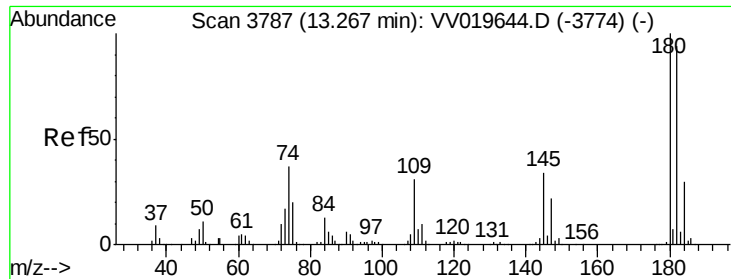
Tot Ion: 75 Resp: 81697
 Ion Ratio Lower Upper
 75 100
 155 72.9 61.1 91.7
 157 93.3 78.7 118.1



#67
 1,3,5-Trichlorobenzene
 Concen: 46.931 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion: 180 Resp: 261596
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.8 113.6
 184 29.8 23.9 35.9
 145 33.5 26.2 39.2

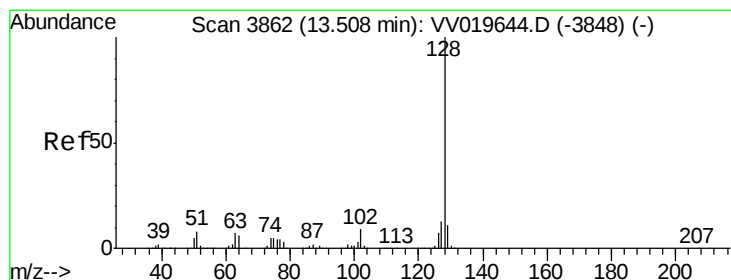
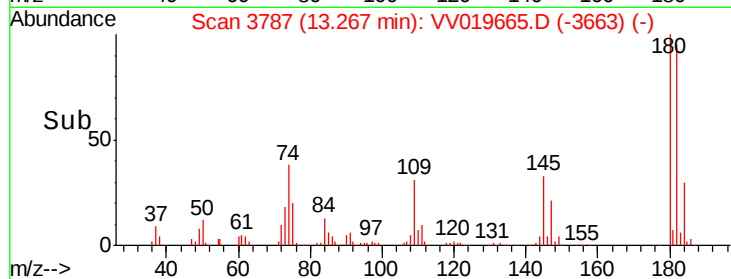
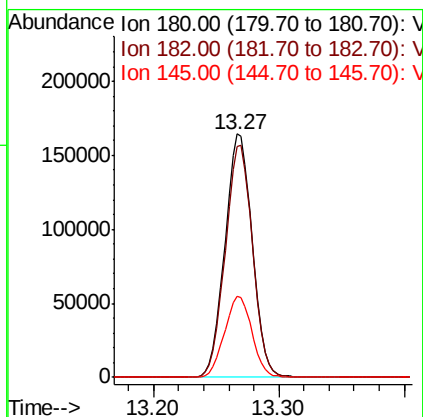
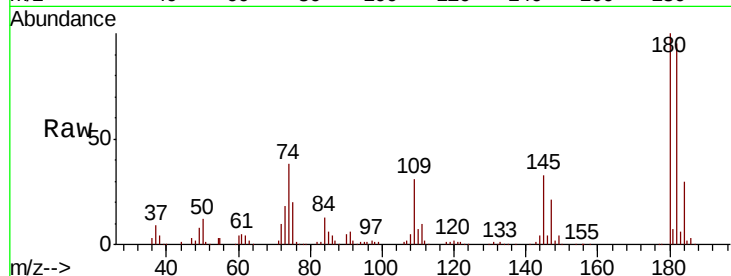




#68
 1,2,4-trichlorobenzene
 Concen: 47.573 ug/L
 RT: 13.27 min Scan# 3787
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

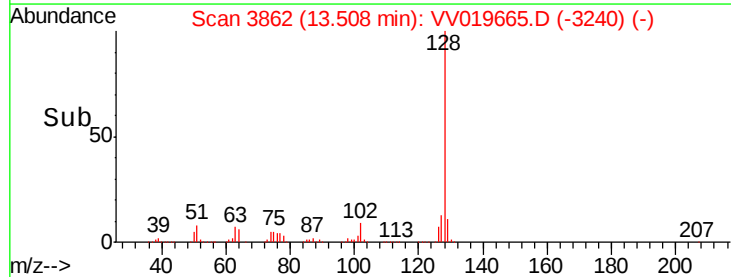
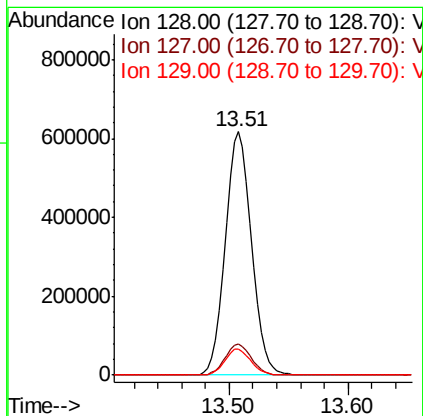
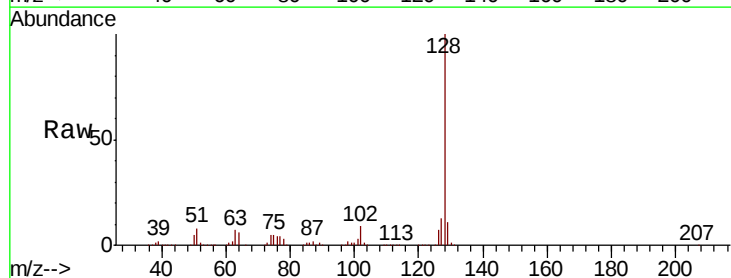
Instrument :
 MSVOA_V
 ClientSampleId :

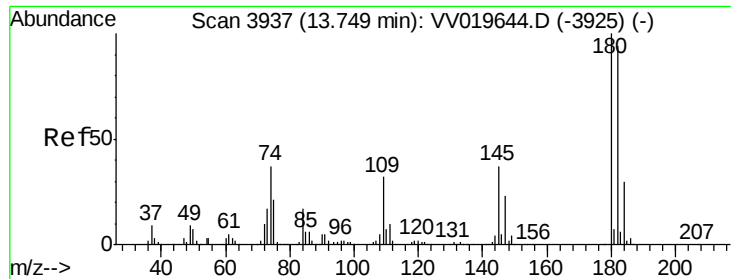
Tot Ion:180 Resp: 247939
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.5 114.7
 145 33.3 27.0 40.6



#69
 Naphthalene
 Concen: 51.953 ug/L
 RT: 13.51 min Scan# 3862
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Tgt Ion:128 Resp: 940182
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.3 15.5
 129 10.8 8.6 12.8





#70
 1,2,3-Trichlorobenzene
 Concen: 49.423 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. 0.00 min
 Lab File: VV019665.D
 Acq: 15 Dec 2020 21:35

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	95.2	75.8	113.6	
145	36.2	29.1	43.7	

