

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016448.D
 Acq On : 02 Jun 2020 23:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 02:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 01:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	384553	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	368380	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	187824	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	137370	50.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.86%
7) Chloroethane-d5	1.58	69	96135	48.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.78%
11) 1,1-Dichloroethene-d2	2.13	63	246002	50.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.90%
21) 2-Butanone-d5	3.91	46	187769	107.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.81%
24) Chloroform-d	4.38	84	243645	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.06	65	172389	50.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.72%
32) Benzene-d6	5.08	84	508988	51.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.16%
36) 1,2-Dichloropropane-d6	6.09	67	157056	51.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.16%
41) Toluene-d8	7.34	98	466463	52.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.10%
43) trans-1,3-Dichloropropene-	7.64	79	75527	50.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.80%
47) 2-Hexanone-d5	8.11	63	137151	104.15	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.15%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	213496	51.20	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	181198	51.34	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	156415	49.298	ug/L 99
3) Chloromethane	1.25	50	155296	50.799	ug/L 99
5) Vinyl chloride	1.32	62	151749	51.375	ug/L 97
6) Bromomethane	1.53	94	78028	50.779	ug/L 99
8) Chloroethane	1.60	64	82421	49.791	ug/L 96
9) Trichlorofluoromethane	1.77	101	219482	51.455	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	113608	51.208	ug/L 98
12) 1,1-Dichloroethene	2.14	96	109328	51.208	ug/L 96
13) Acetone	2.19	43	126331	77.612	ug/L 99
14) Carbon disulfide	2.31	76	377024	51.008	ug/L 99
15) Methyl Acetate	2.45	43	153647	51.357	ug/L 99
16) Methylene chloride	2.53	84	146601	48.707	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	139989	51.967	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	436424	52.332	ug/L 99
19) 1,1-Dichloroethane	3.22	63	256361	51.458	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	151770	52.206	ug/L 97
22) 2-Butanone	4.00	43	205677	101.828	ug/L 95

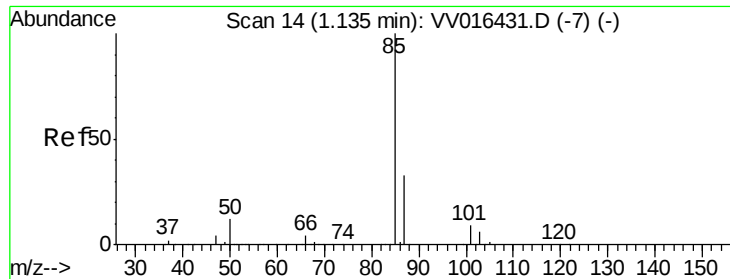
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060320\
 Data File : VV016448.D
 Acq On : 02 Jun 2020 23:52
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 03 02:27:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 03 01:20:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	77878	52.059	ug/L	96
25) Chloroform	4.41	83	284582	54.500	ug/L	98
27) 1,2-Dichloroethane	5.16	62	218938	51.601	ug/L	100
29) Cyclohexane	4.71	56	227461	52.025	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	231204	51.499	ug/L	99
31) Carbon tetrachloride	4.86	117	200741	51.991	ug/L	99
33) Benzene	5.13	78	569217	52.540	ug/L	100
34) Trichloroethene	5.94	95	158747	55.842	ug/L	97
35) Methylcyclohexane	6.16	83	209053	51.232	ug/L	99
37) 1,2-Dichloropropane	6.20	63	146287	51.804	ug/L	99
38) Bromodichloromethane	6.53	83	192013	52.921	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	216476	52.576	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	419913	108.070	ug/L	99
42) Toluene	7.41	91	603868	52.601	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	214839	53.182	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	140115	51.314	ug/L	99
46) Tetrachloroethene	8.00	164	113710	51.878	ug/L	99
48) 2-Hexanone	8.16	43	319823	105.875	ug/L	99
49) Dibromochloromethane	8.27	129	144202	54.322	ug/L	97
50) 1,2-Dibromoethane	8.37	107	150041	51.946	ug/L	98
51) Chlorobenzene	8.90	112	387032	51.295	ug/L	99
52) Ethylbenzene	9.03	91	661428	52.936	ug/L	99
53) m,p-Xylene	9.16	106	248599	52.765	ug/L	99
54) o-xylene	9.57	106	240599	52.729	ug/L	98
55) Styrene	9.58	104	430978	53.915	ug/L	99
56) Isopropylbenzene	9.95	105	619260	52.249	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	225665	51.520	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	180960	51.354	ug/L	96
61) Bromoform	9.75	173	88321	56.159	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	296777	50.998	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	307809	50.978	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	294631	50.300	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	46604	52.428	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	192325	49.123	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	181507	50.077	ug/L	98
69) Naphthalene	13.52	128	579476	52.087	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	172088	49.945	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 49.298 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

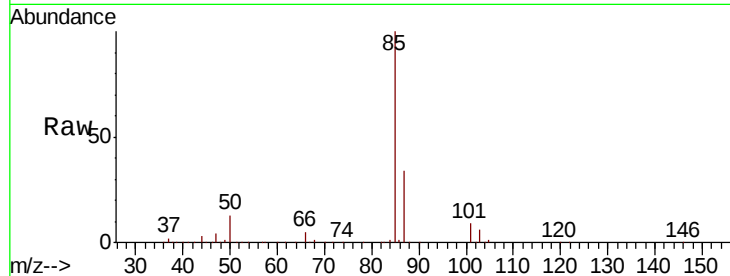
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 156415

Ion Ratio Lower Upper

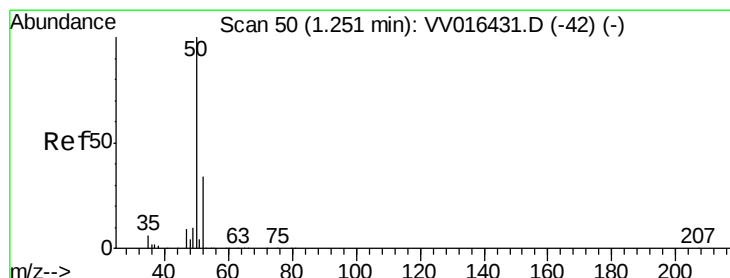
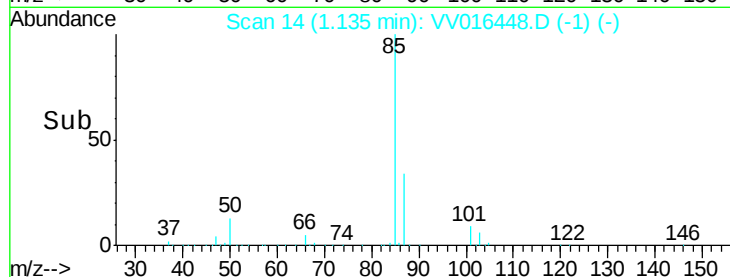
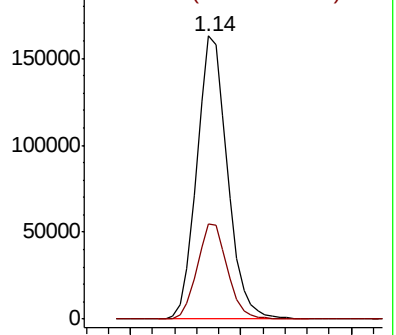
85 100

87 33.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.799 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016448.D

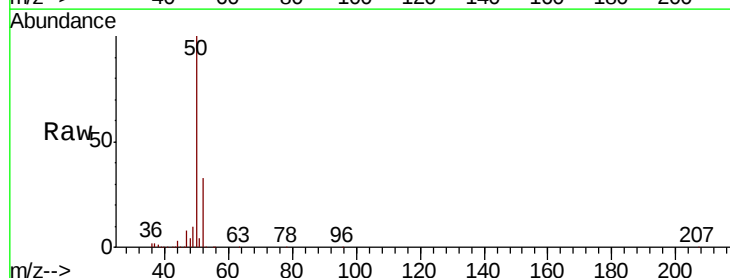
Acq: 02 Jun 2020 23:52

Tgt Ion: 50 Resp: 155296

Ion Ratio Lower Upper

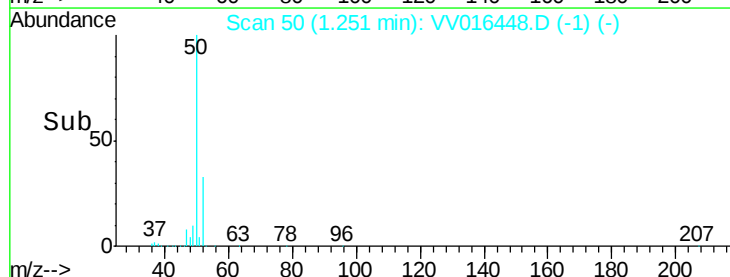
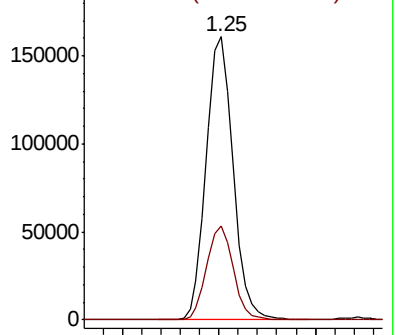
50 100

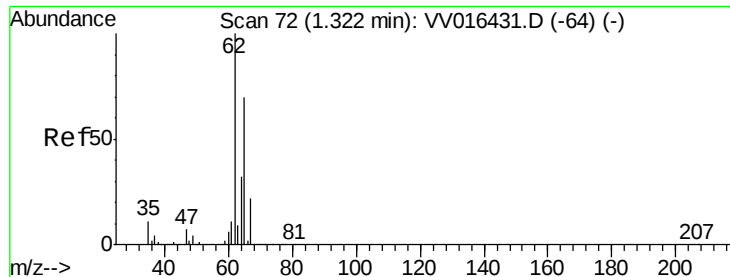
52 33.0 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 51.375 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

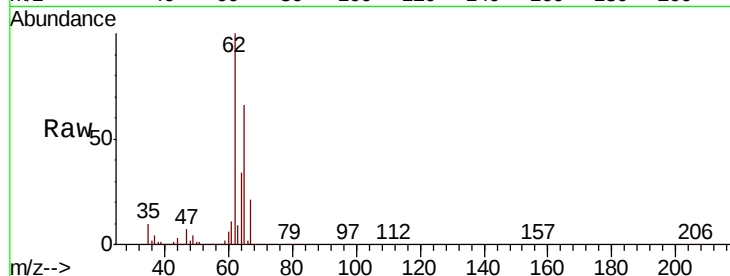
ClientSampleId :

Tot Ion: 62 Resp: 151749

Ion Ratio Lower Upper

62 100

64 33.8 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

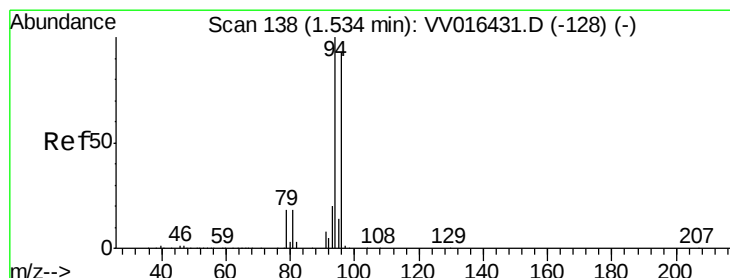
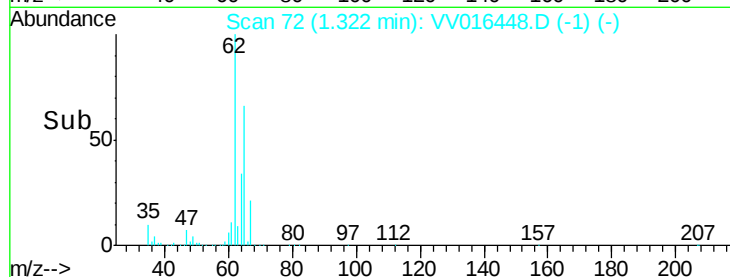
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 50.779 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016448.D

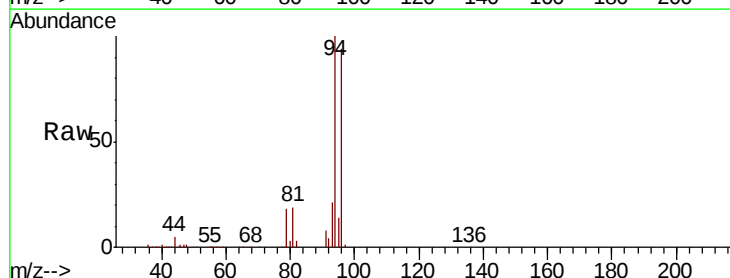
Acq: 02 Jun 2020 23:52

Tgt Ion: 94 Resp: 78028

Ion Ratio Lower Upper

94 100

96 93.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

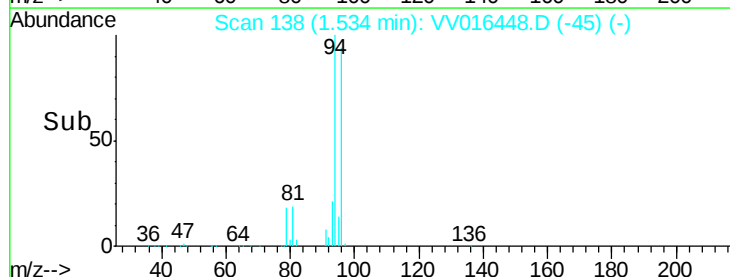
40000

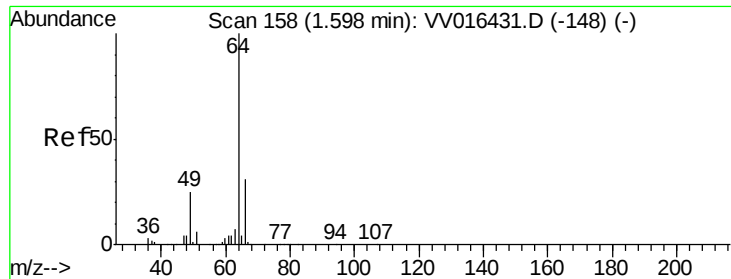
20000

0

1.50 1.55 1.60

Time-->

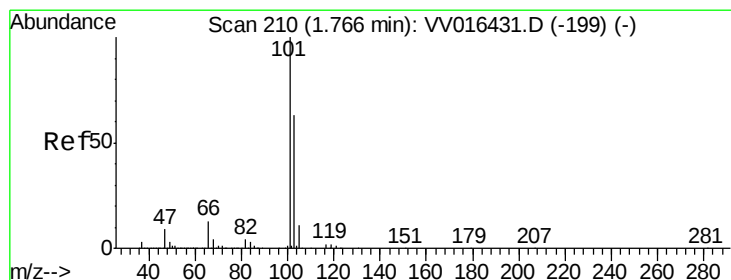
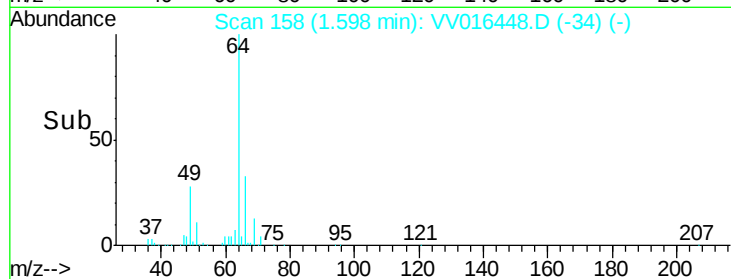
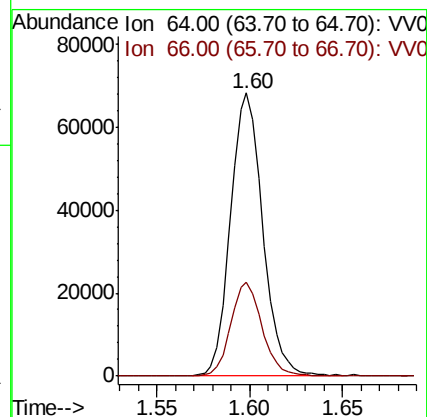
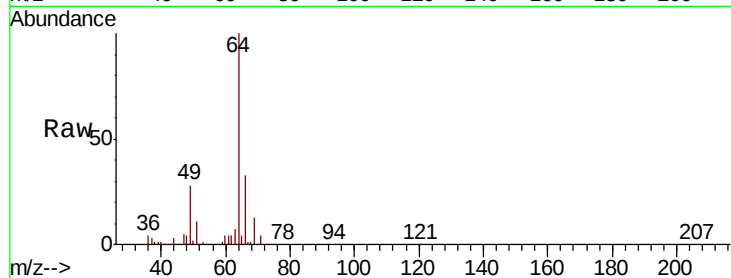




#8
Chloroethane
Concen: 49.791 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

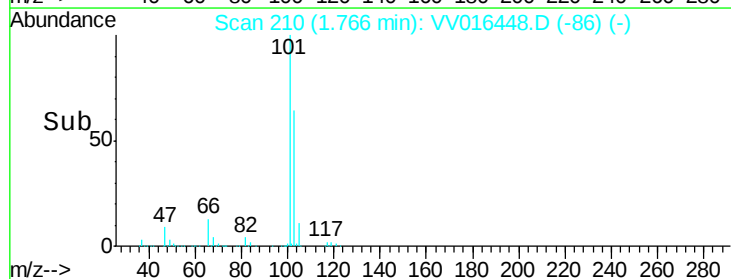
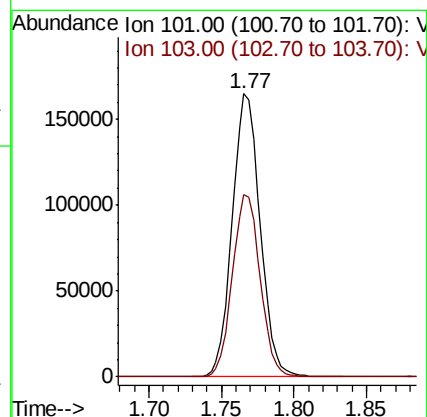
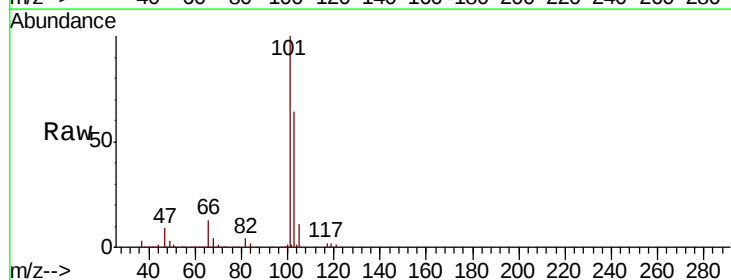
Instrument :
MSVOA_V
ClientSampleId :

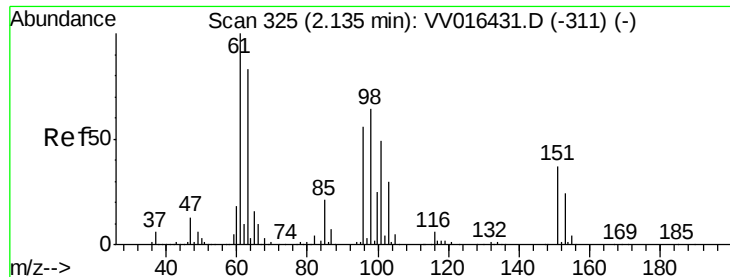
Tot Ion: 64 Resp: 82421
Ion Ratio Lower Upper
64 100
66 33.0 21.4 39.8



#9
Trichlorofluoromethane
Concen: 51.455 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

Tgt Ion: 101 Resp: 219482
Ion Ratio Lower Upper
101 100
103 64.2 50.9 76.3





#10

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

Concen: 51.208 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

ClientSampleId :

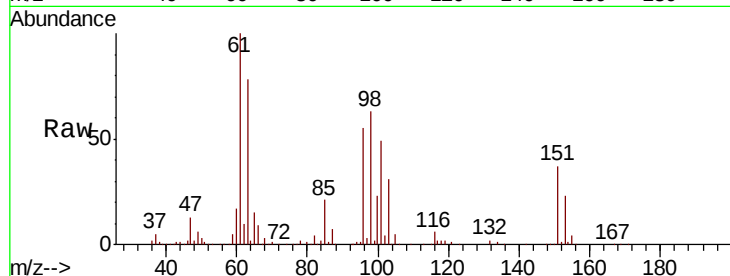
Tot Ion:101 Resp: 113608

Ion Ratio Lower Upper

101 100

85 43.1 35.6 53.4

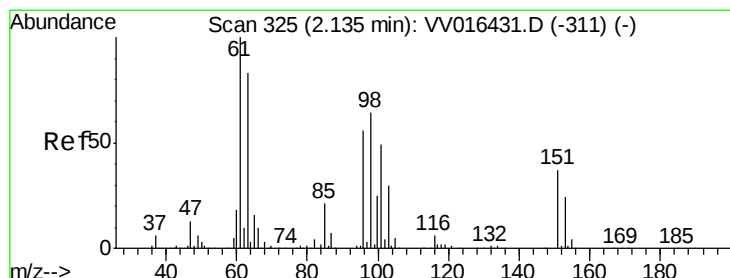
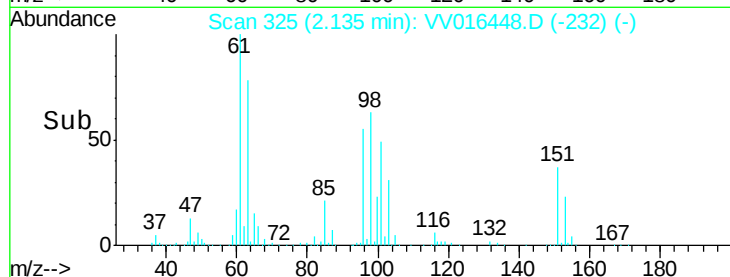
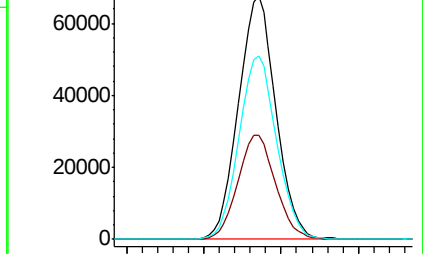
151 76.1 61.8 92.8



Abundance Ion 101.00 (100.70 to 101.70): VV016448.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016448.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016448.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 51.208 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

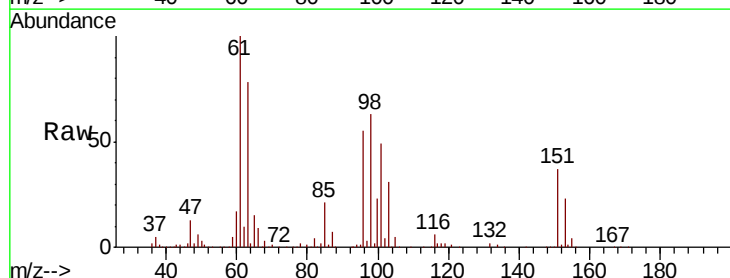
Tgt Ion: 96 Resp: 109328

Ion Ratio Lower Upper

96 100

61 181.9 125.5 233.1

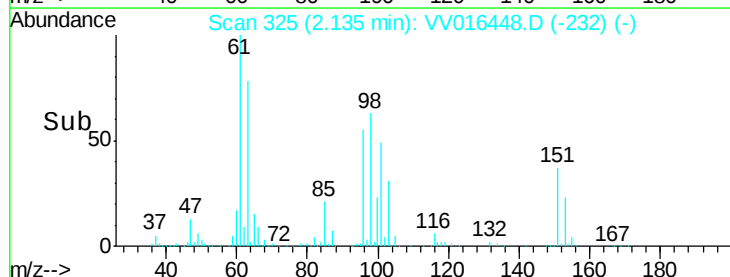
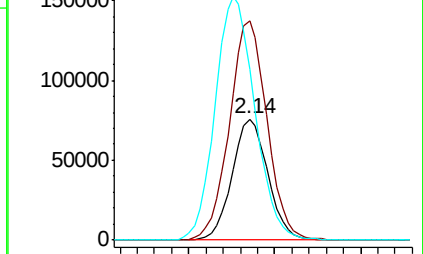
63 141.5 104.0 193.1

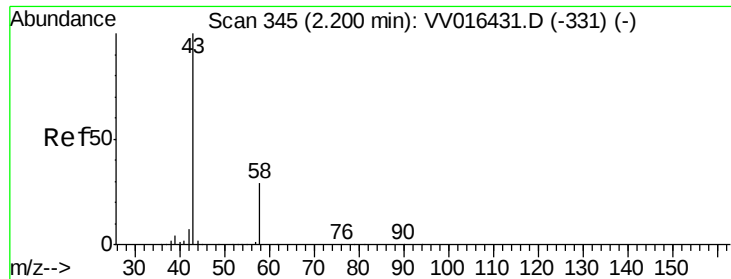


Abundance Ion 96.00 (95.70 to 96.70): VV016448.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV016448.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016448.D (-232) (-)





#13

Acetone

Concen: 77.612 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

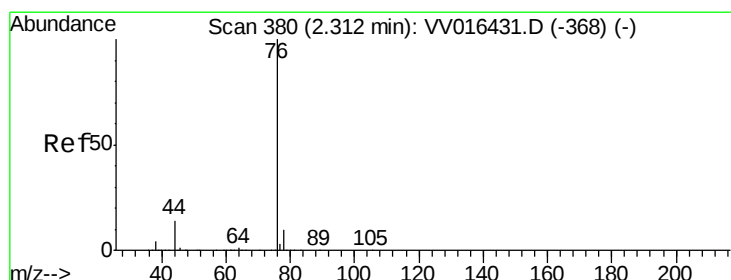
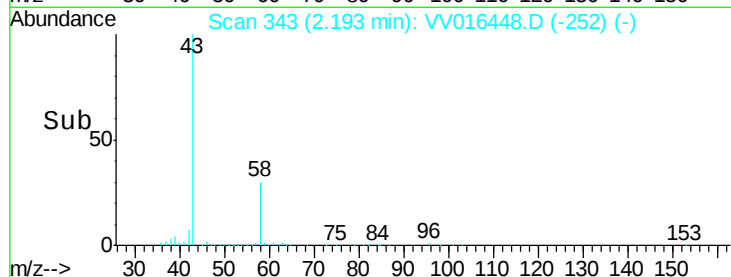
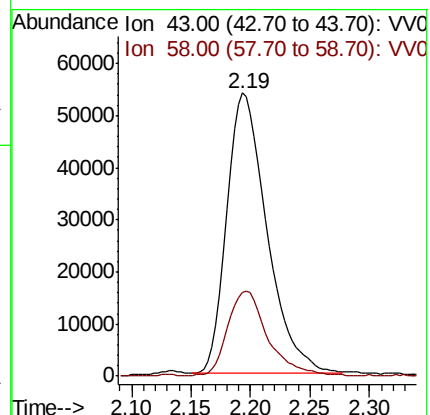
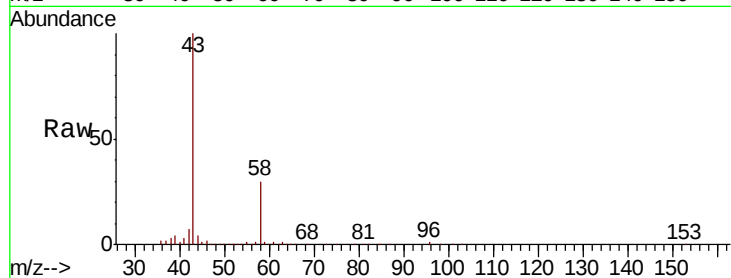
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 126331

Ion Ratio Lower Upper

43 100

58 29.3 0.0 57.2



#14

Carbon disulfide

Concen: 51.008 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016448.D

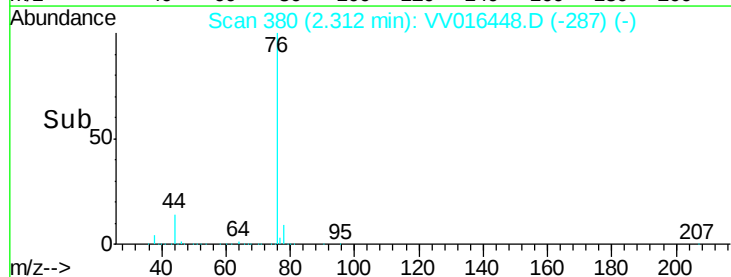
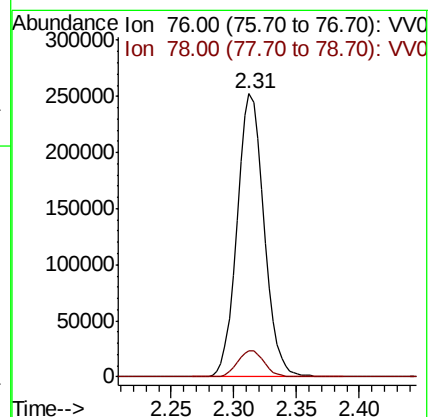
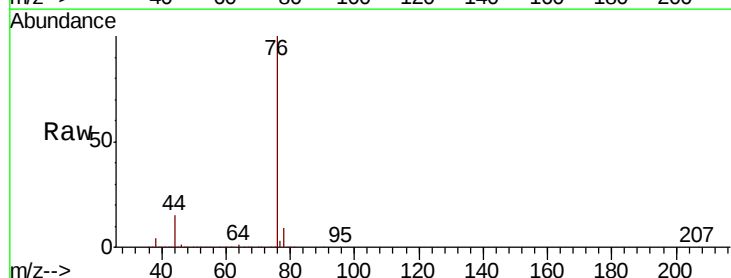
Acq: 02 Jun 2020 23:52

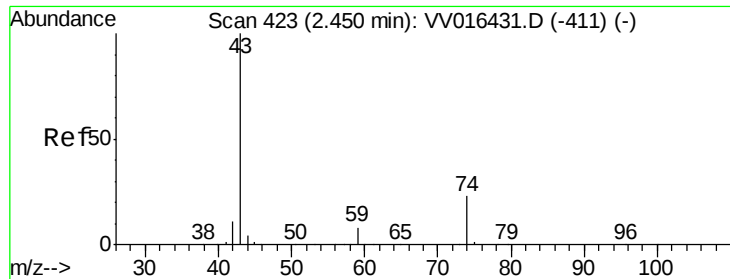
Tgt Ion: 76 Resp: 377024

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4

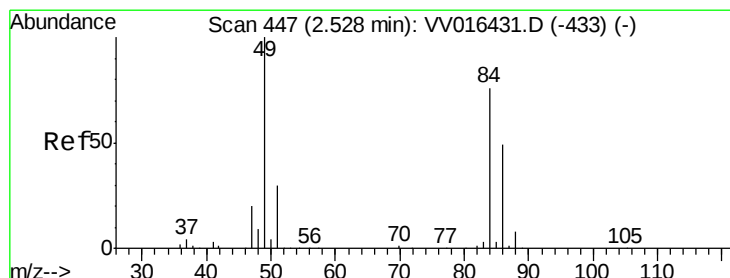
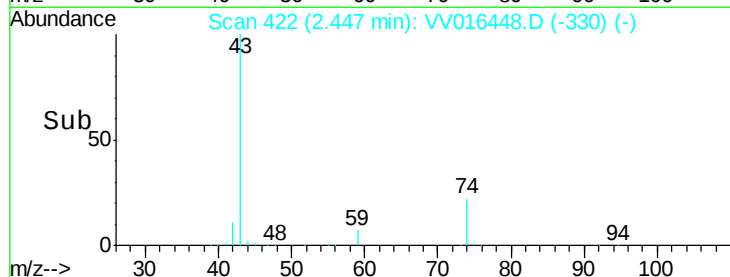
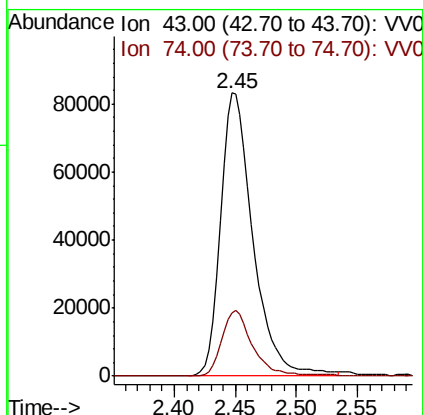
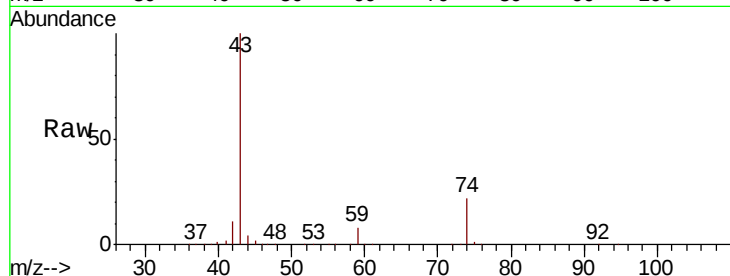




#15
Methvl Acetate
Concen: 51.357 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

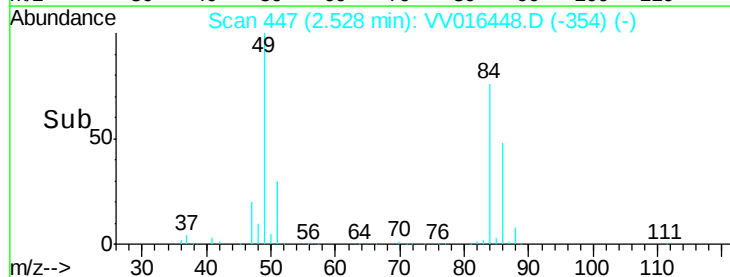
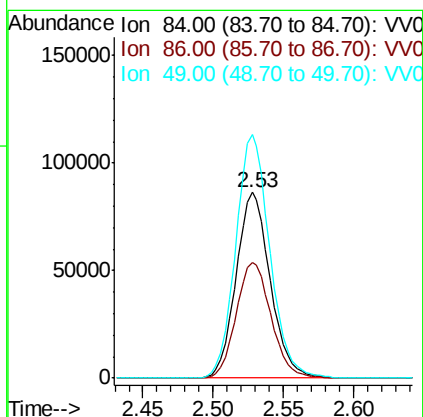
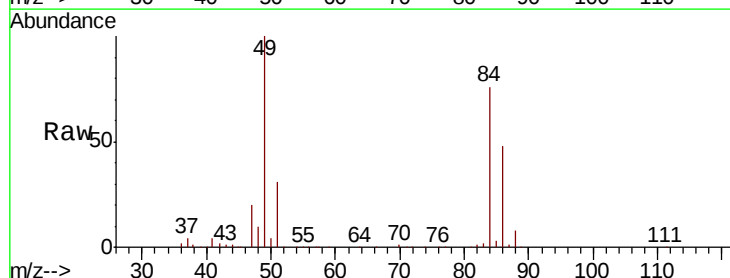
Instrument :
MSVOA_V
ClientSampleId :

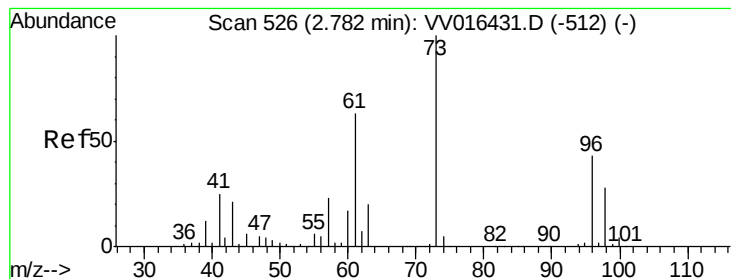
Tot Ion: 43 Resp: 153647
Ion Ratio Lower Upper
43 100
74 22.3 18.1 27.1



#16
Methylene chloride
Concen: 48.707 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

Tgt Ion: 84 Resp: 146601
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.9
49 131.0 92.4 171.6





#17

trans-1,2-Dichloroethene

Concen: 51.967 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

ClientSampleId :

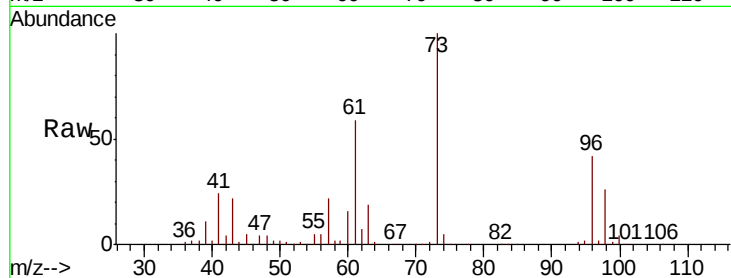
Tot Ion: 96 Resp: 139989

Ion Ratio Lower Upper

96 100

61 142.5 101.0 187.6

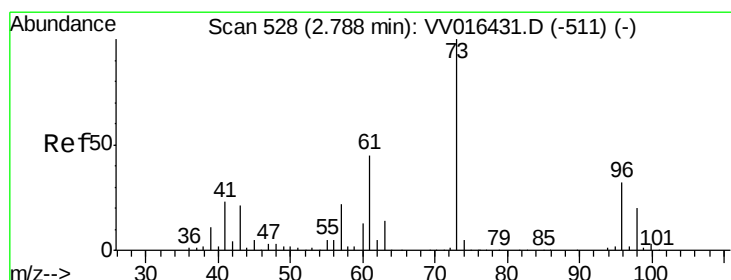
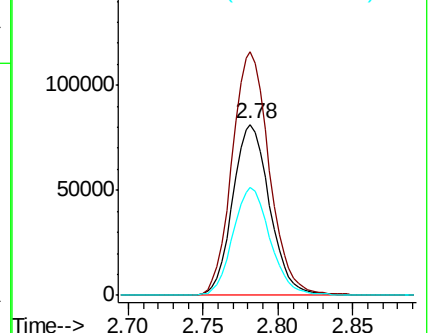
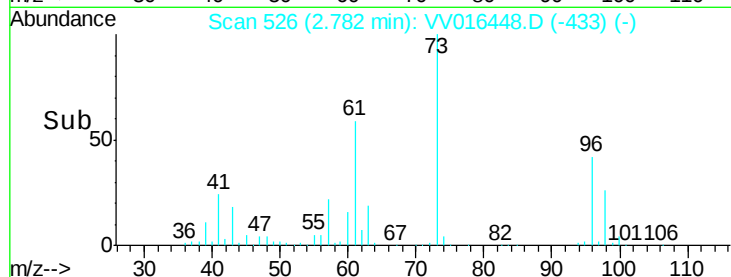
98 63.0 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.332 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

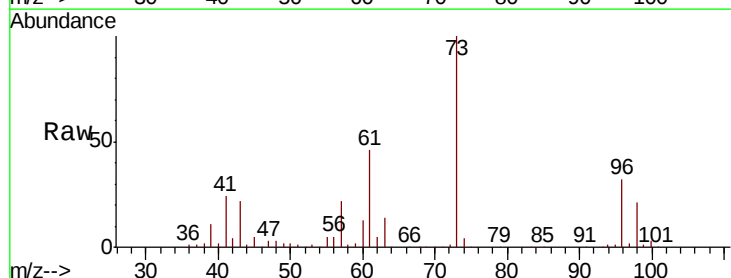
Tgt Ion: 73 Resp: 436424

Ion Ratio Lower Upper

73 100

43 21.8 17.0 25.4

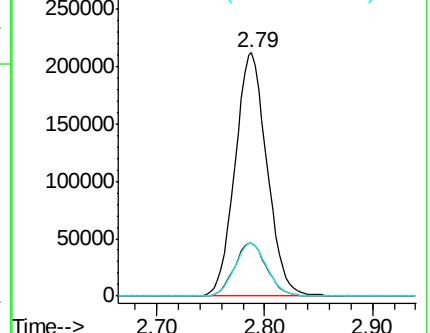
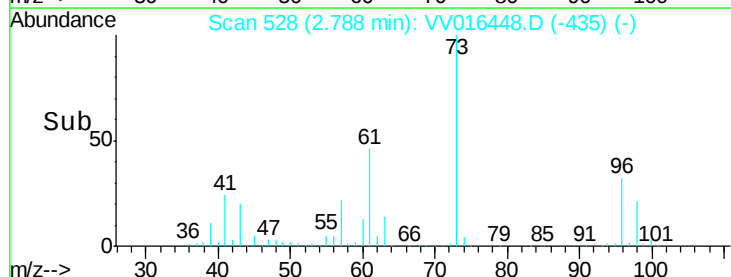
57 21.9 17.8 26.8

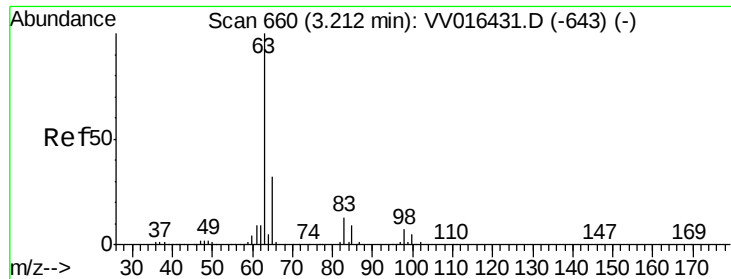


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

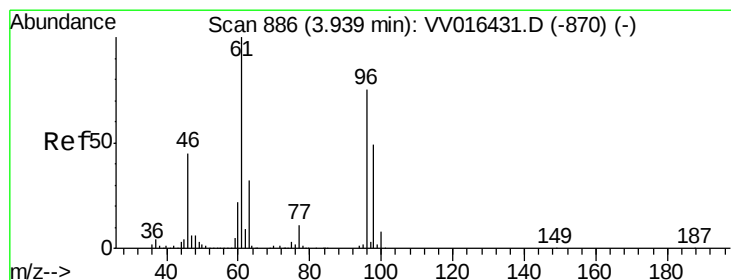
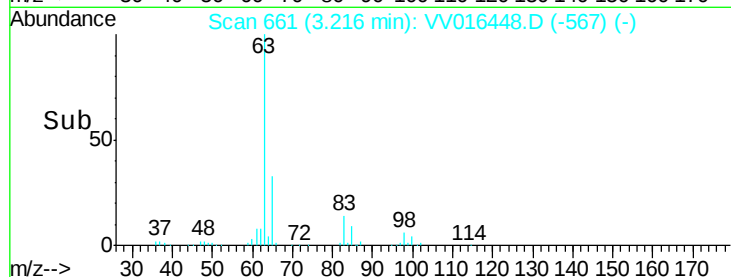
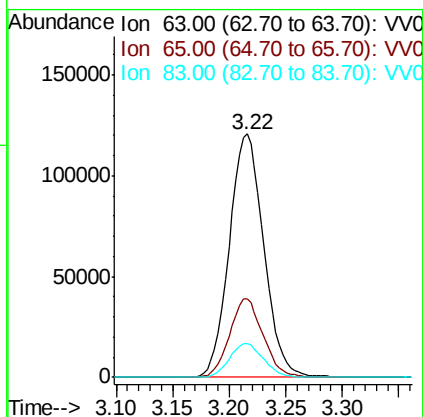
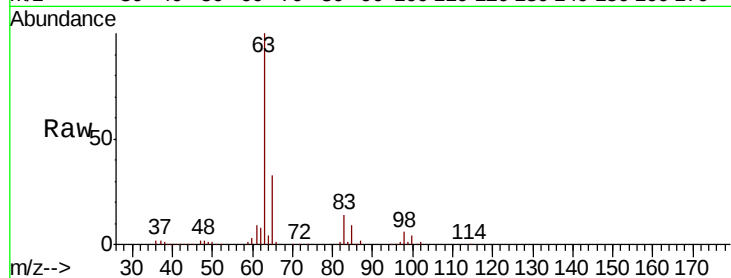




#19
 1,1-Dichloroethane
 Concen: 51.458 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

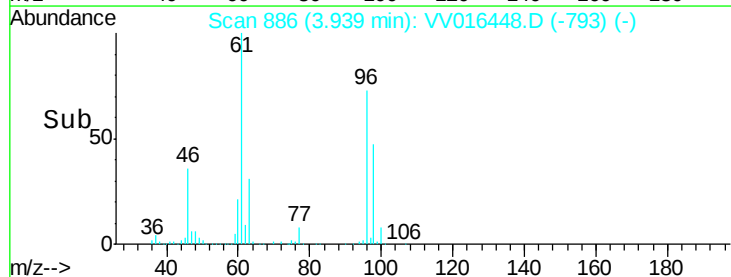
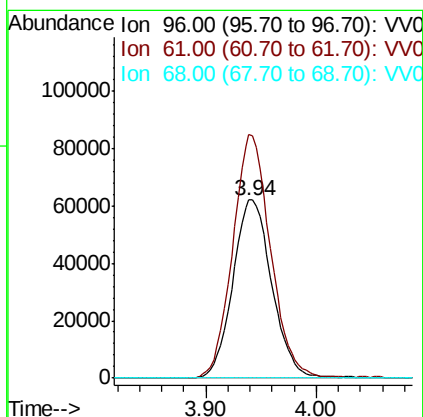
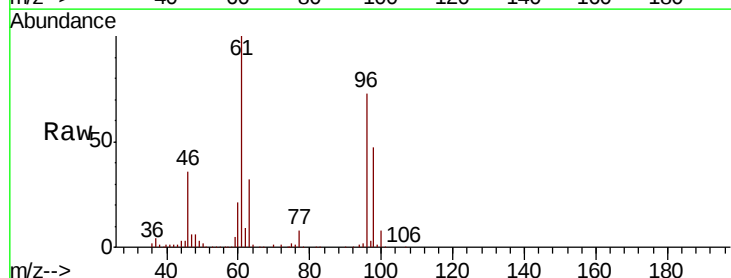
Instrument :
 MSVOA_V
 ClientSampleId :

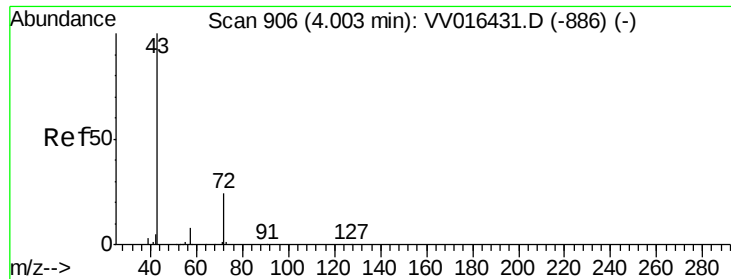
Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.2	41.2
83	14.0	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 52.206 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.6	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 101.828 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.01 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

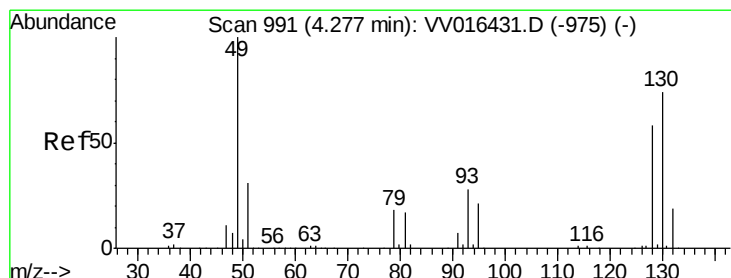
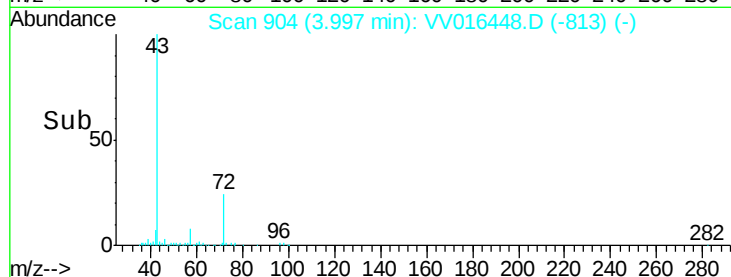
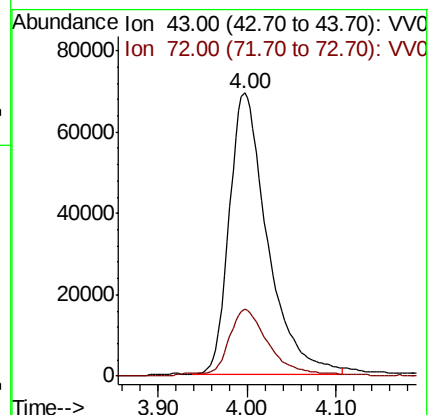
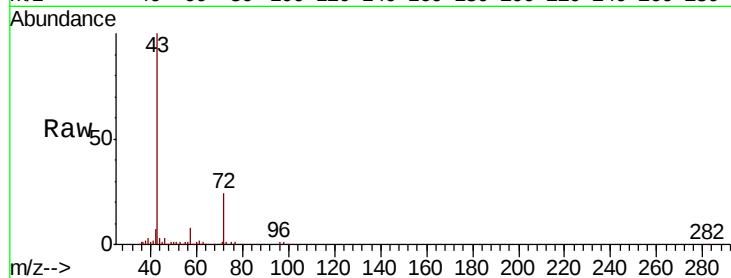
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 205677

Ion Ratio Lower Upper

43 100

72 23.0 12.8 38.3



#23

Bromochloromethane

Concen: 52.059 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Tgt Ion:128 Resp: 77878

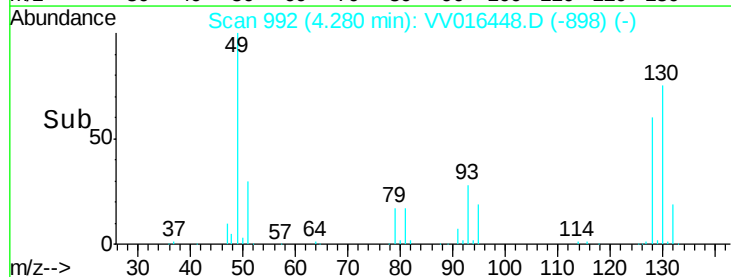
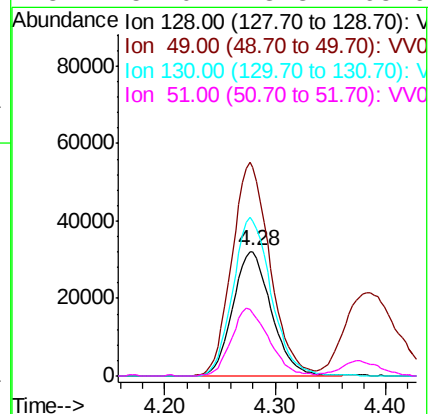
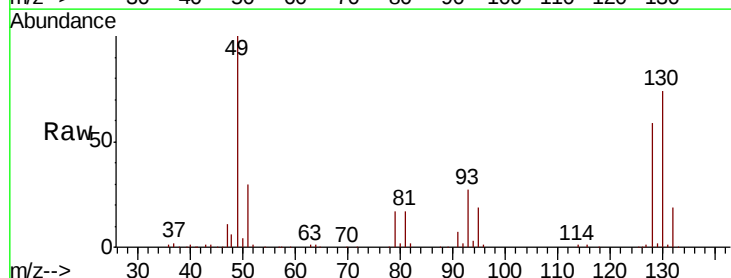
Ion Ratio Lower Upper

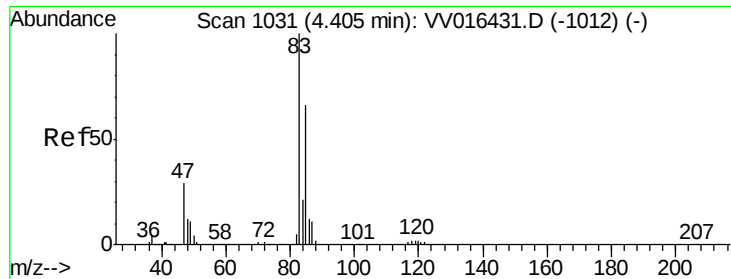
128 100

49 168.2 121.7 225.9

130 125.0 90.1 167.3

51 51.0 43.8 65.6





#25

Chloroform

Concen: 54.500 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

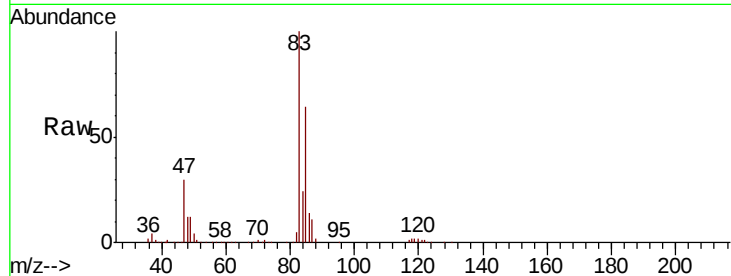
ClientSampleId :

Tot Ion: 83 Resp: 284582

Ion Ratio Lower Upper

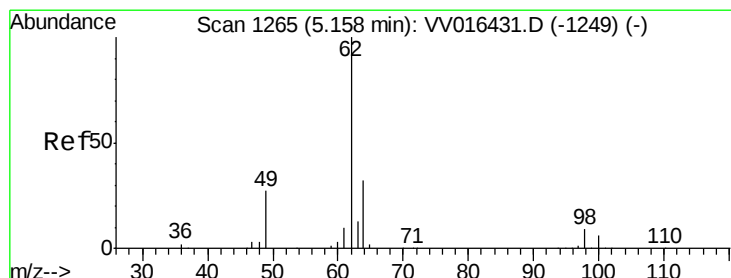
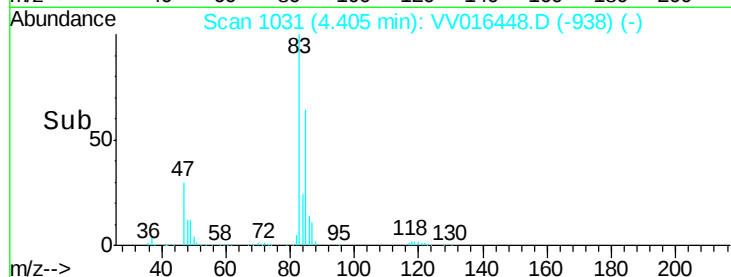
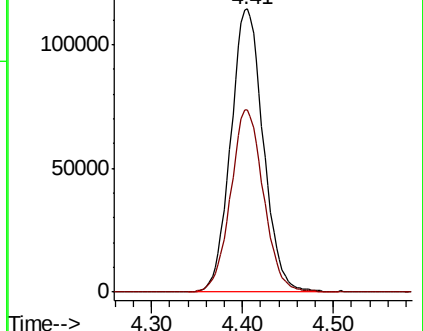
83 100

85 64.5 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 51.601 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016448.D

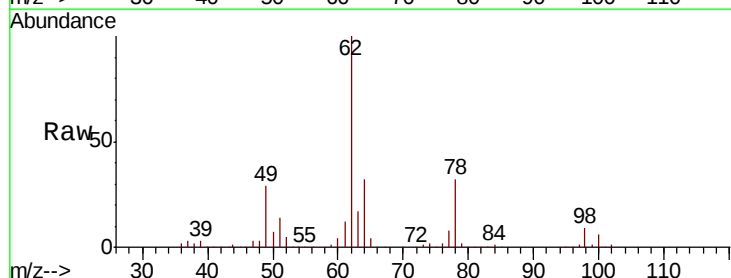
Acq: 02 Jun 2020 23:52

Tgt Ion: 62 Resp: 218938

Ion Ratio Lower Upper

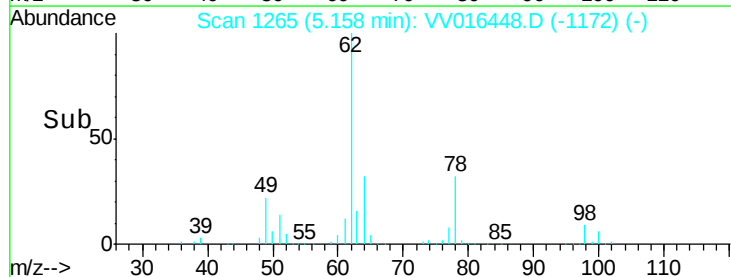
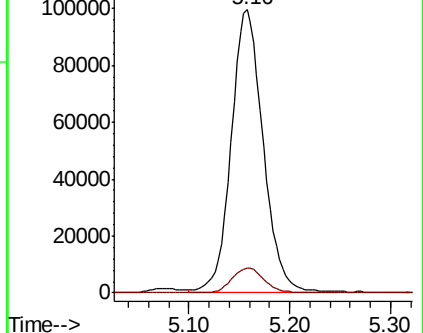
62 100

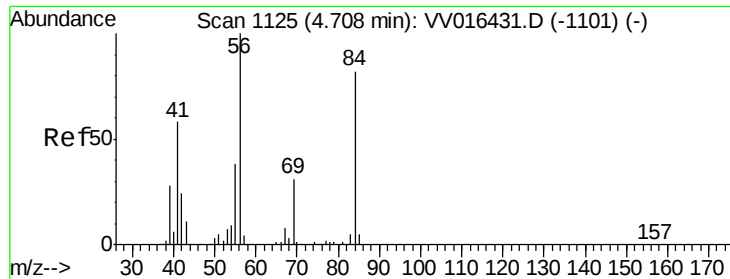
98 8.7 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

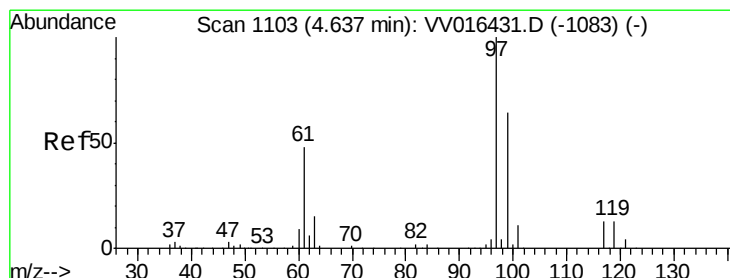
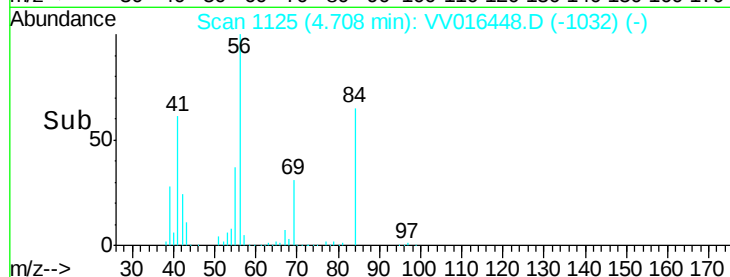
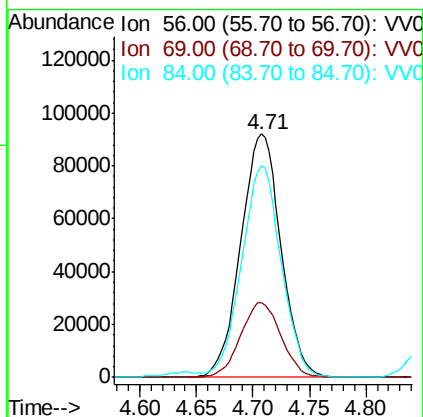
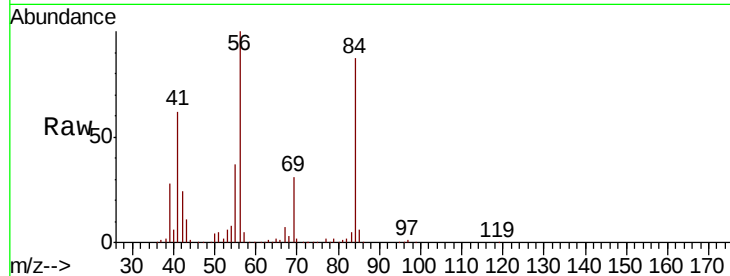




#29
Cyclohexane
Concen: 52.025 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

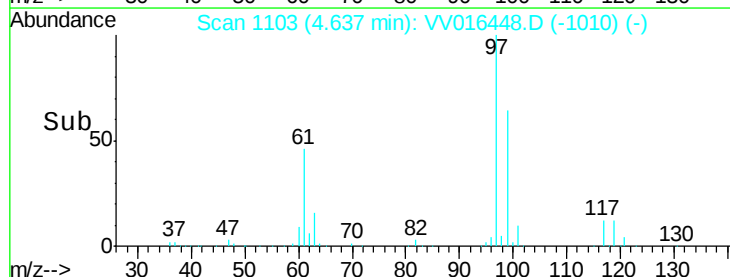
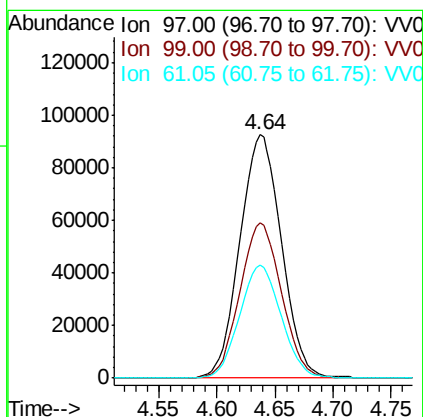
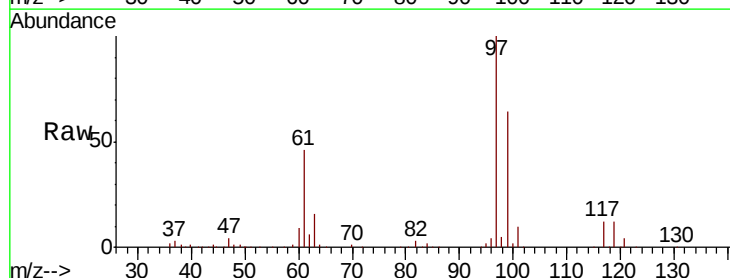
Instrument :
MSVOA_V
ClientSampled :

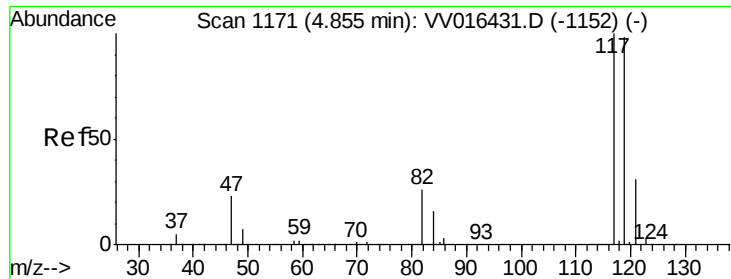
Tot Ion: 56 Resp: 227461
Ion Ratio Lower Upper
56 100
69 30.5 23.9 35.9
84 85.9 68.2 102.2



#30
1,1,1-Trichloroethane
Concen: 51.499 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

Tgt Ion: 97 Resp: 231204
Ion Ratio Lower Upper
97 100
99 64.0 51.8 77.8
61 46.4 37.4 56.0





#31

Carbon tetrachloride

Concen: 51.991 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

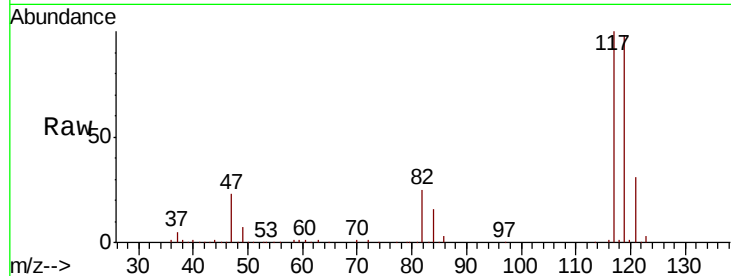
ClientSampleId :

Tot Ion:117 Resp: 200741

Ion Ratio Lower Upper

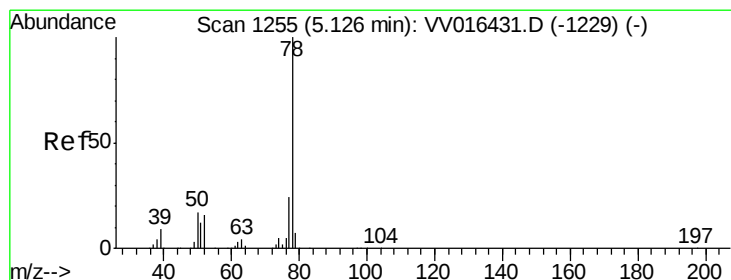
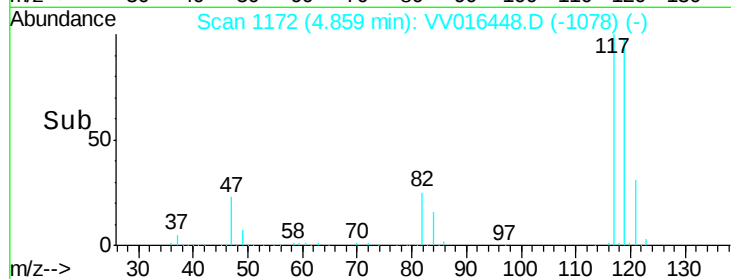
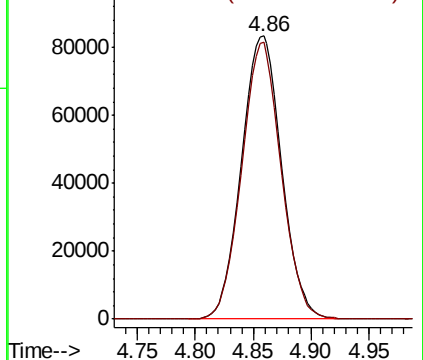
117 100

119 95.9 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 52.540 ug/L

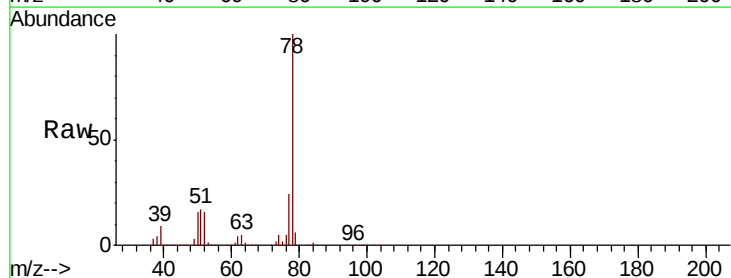
RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

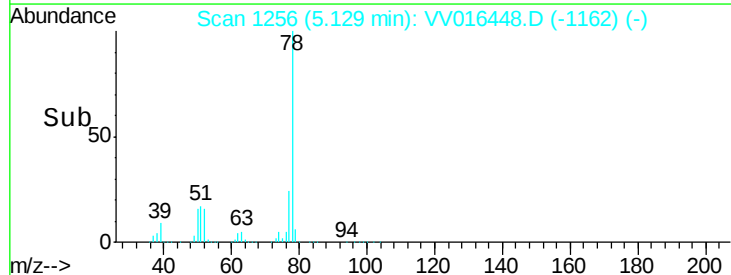
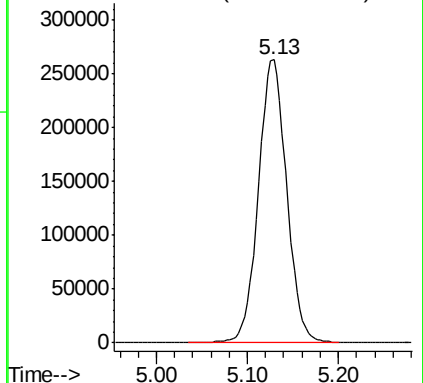
Lab File: VV016448.D

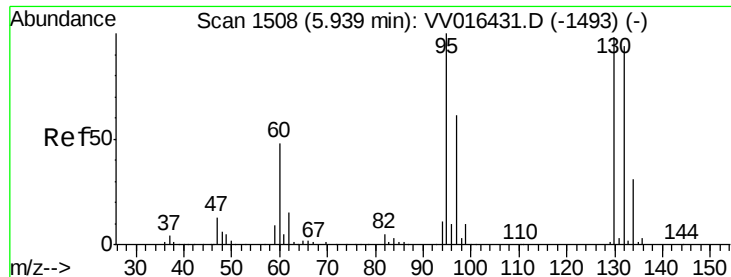
Acq: 02 Jun 2020 23:52

Tgt Ion: 78 Resp: 569217



Abundance Ion 78.00 (77.70 to 78.70): VV0

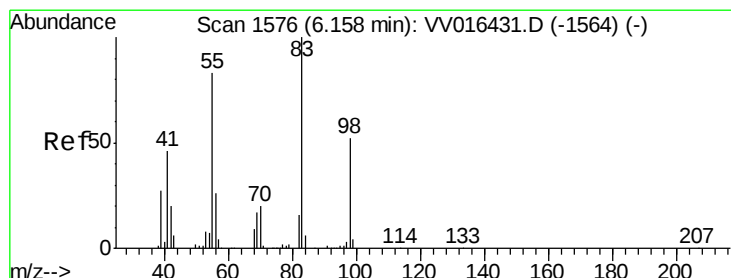
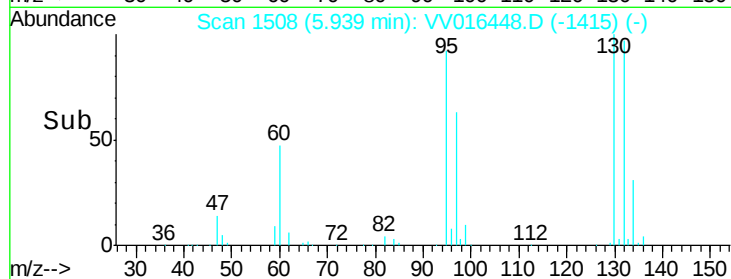
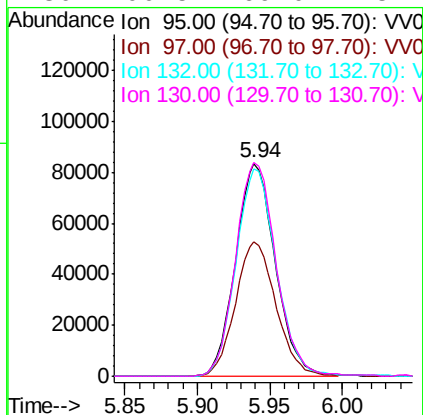
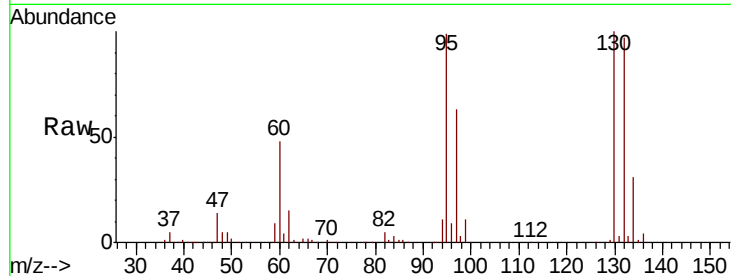




#34
 Trichloroethene
 Concen: 55.842 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

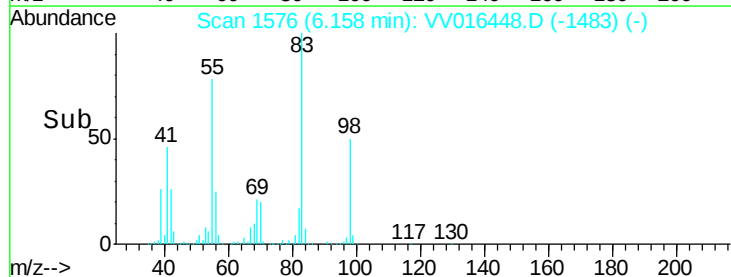
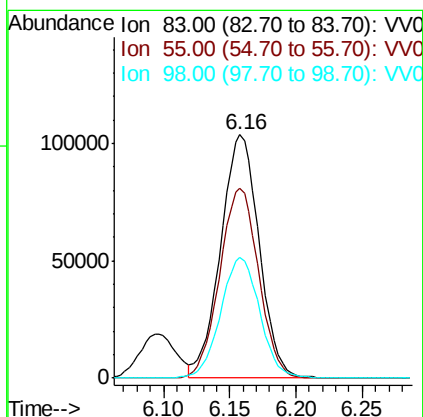
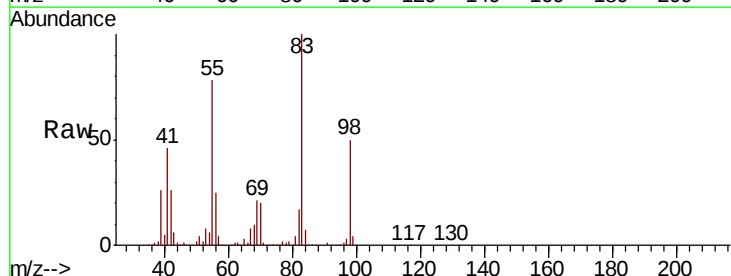
Instrument :
 MSVOA_V
 ClientSampleId :

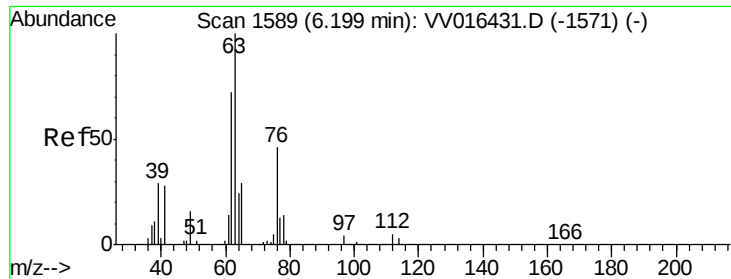
Tot Ion: 95 Resp: 158747
 Ion Ratio Lower Upper
 95 100
 97 63.3 42.8 79.6
 132 97.7 65.6 121.8
 130 100.5 69.0 128.1



#35
 Methylcyclohexane
 Concen: 51.232 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

Tgt Ion: 83 Resp: 209053
 Ion Ratio Lower Upper
 83 100
 55 78.8 63.4 95.0
 98 50.4 39.4 59.0





#37

1,2-Dichloropropane

Concen: 51.804 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

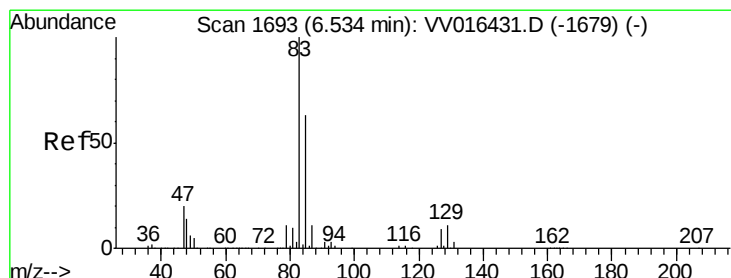
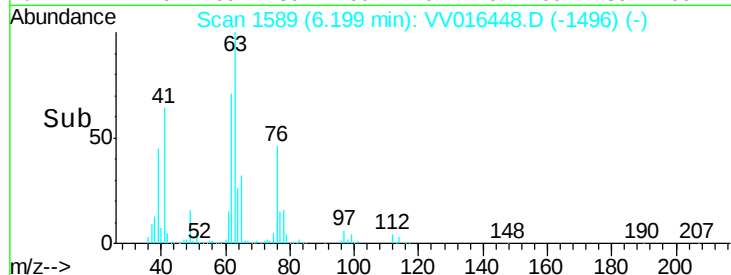
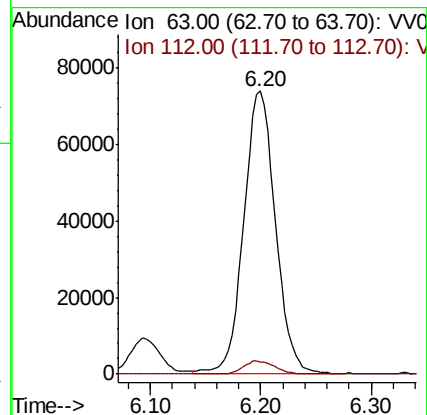
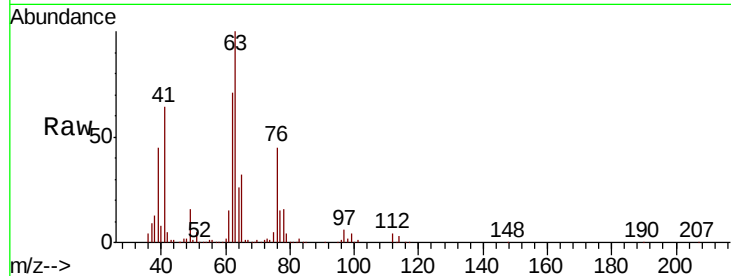
ClientSampleId :

Tot Ion: 63 Resp: 146287

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 52.921 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

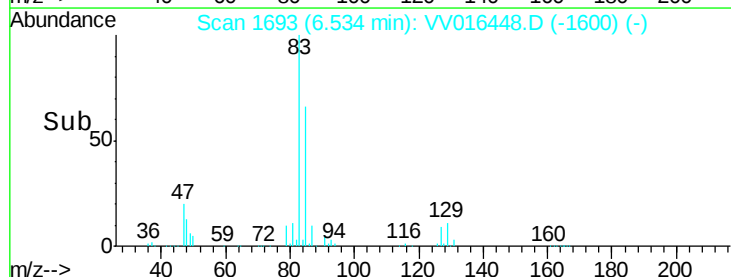
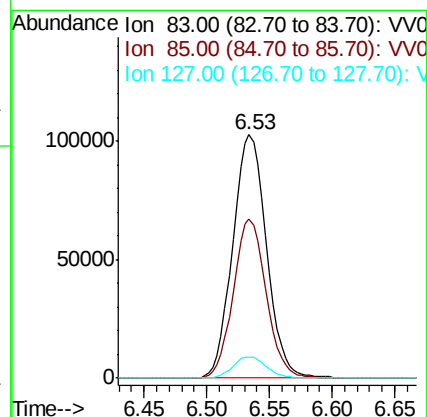
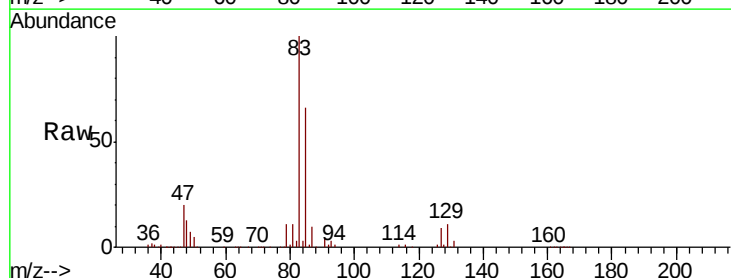
Tgt Ion: 83 Resp: 192013

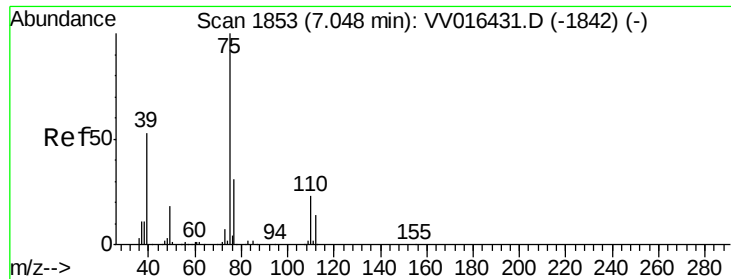
Ion Ratio Lower Upper

83 100

85 65.6 44.4 82.5

127 8.7 7.1 10.7



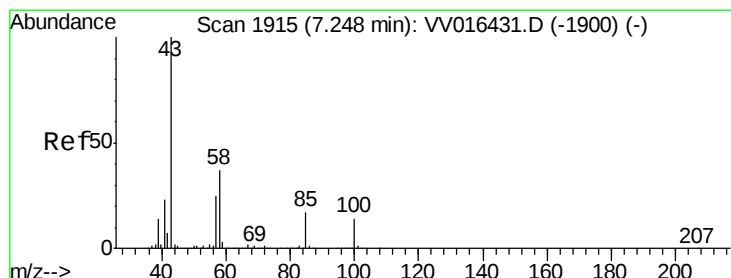
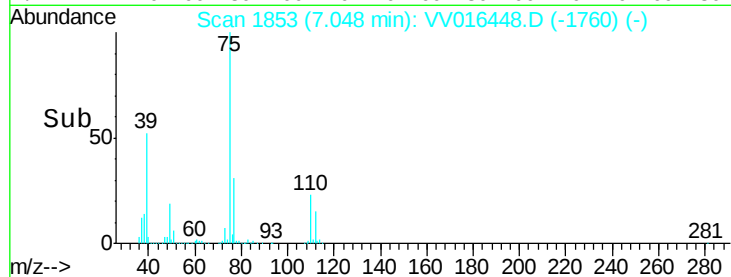
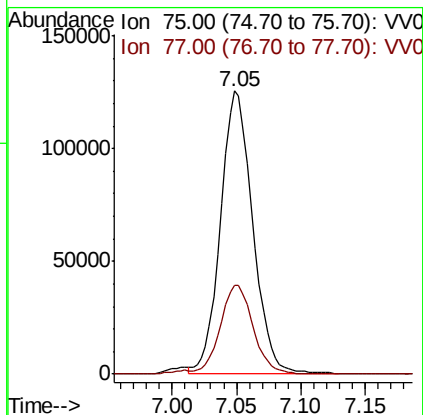
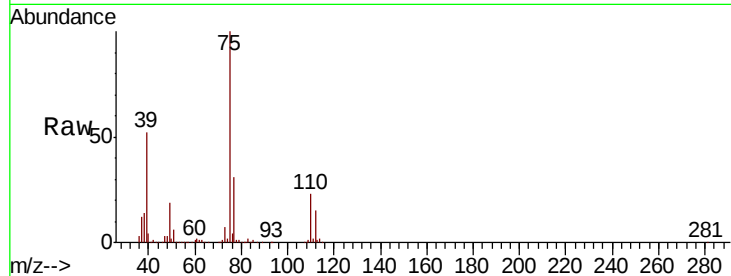


#39

cis-1,3-Dichloropropene
 Concen: 52.576 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

Instrument :
 MSVOA_V
 ClientSampleId :

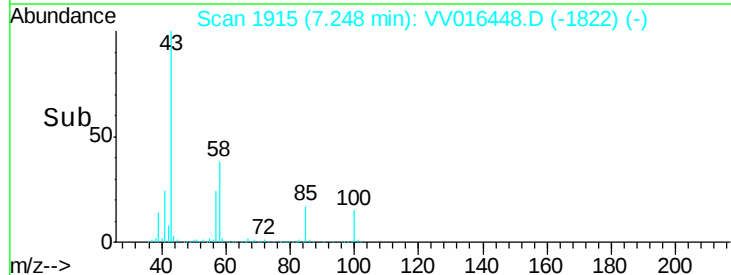
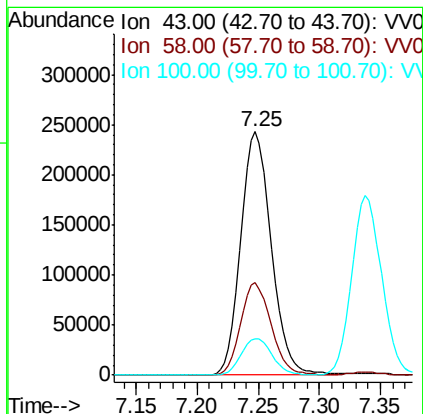
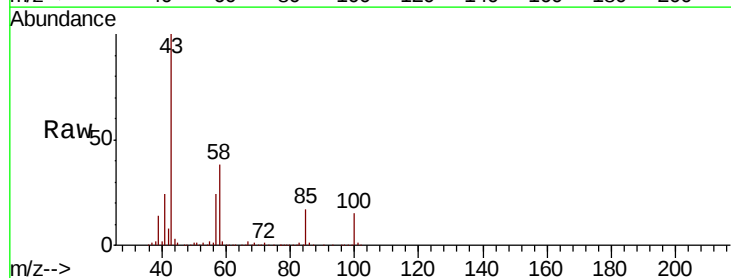
Tot Ion: 75 Resp: 216476
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.0 41.0

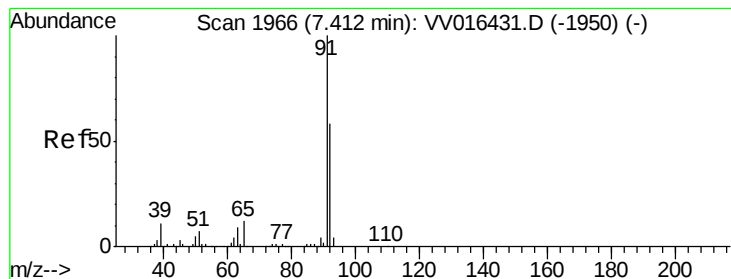


#40

4-Methyl-2-pentanone
 Concen: 108.070 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

Tgt Ion: 43 Resp: 419913
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.9 44.9
 100 15.2 11.9 17.9





#42

Toluene

Concen: 52.601 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

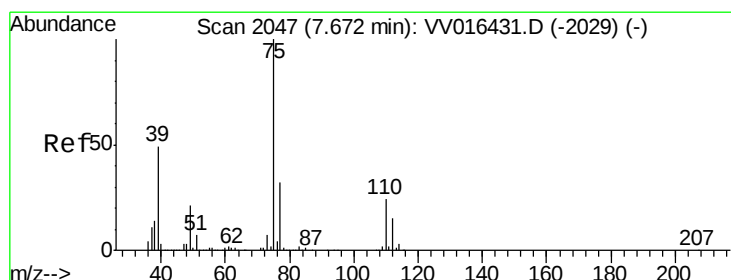
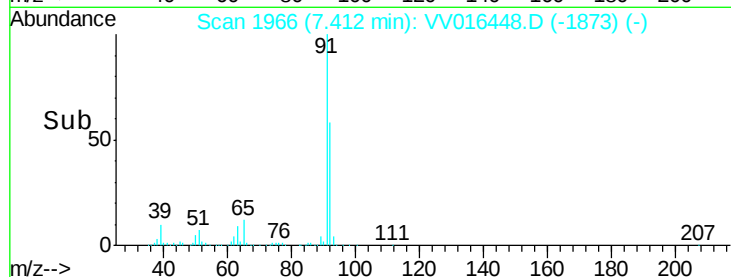
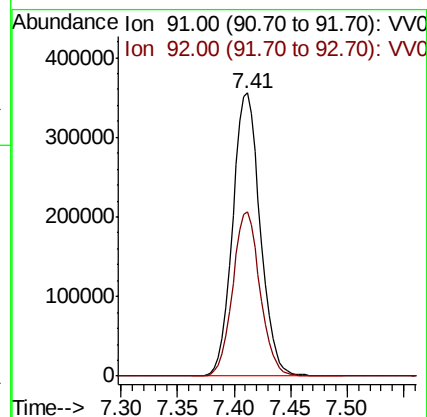
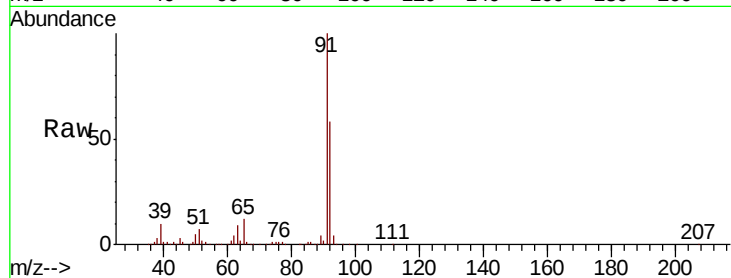
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 603868

Ion Ratio Lower Upper

91 100

92 57.9 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 53.182 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV016448.D

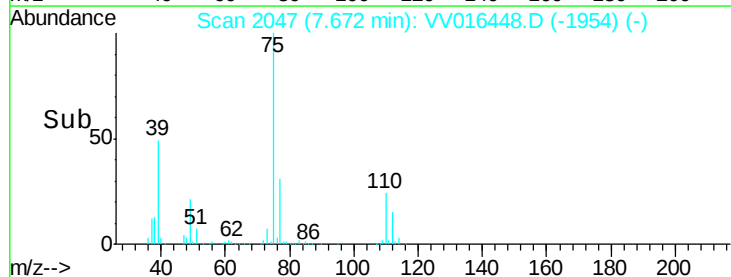
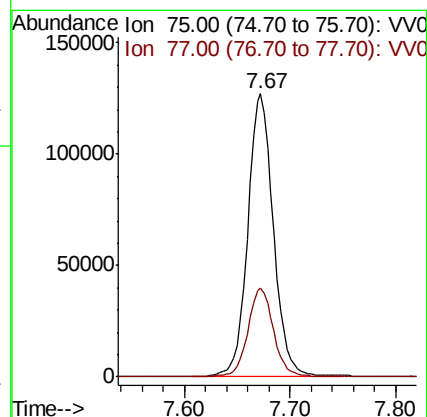
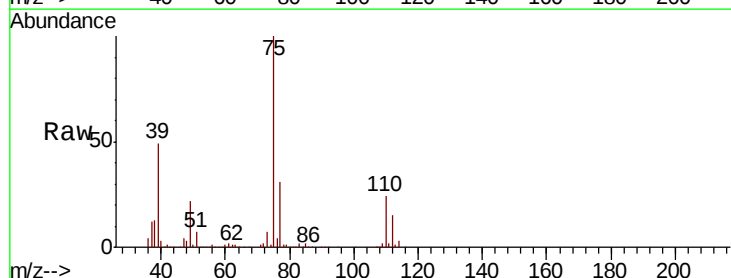
Acq: 02 Jun 2020 23:52

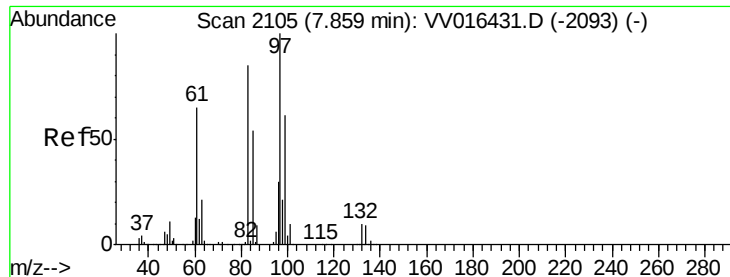
Tgt Ion: 75 Resp: 214839

Ion Ratio Lower Upper

75 100

77 31.2 22.2 41.2

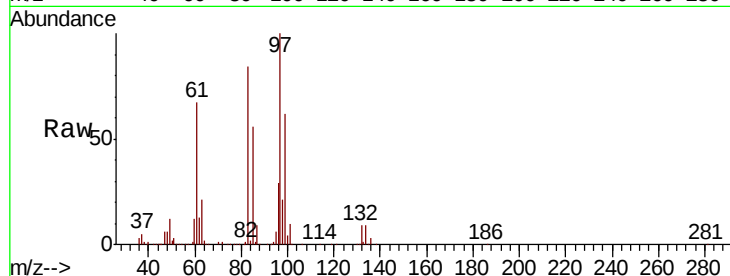




#45
 1,1,2-Trichloroethane
 Concen: 51.314 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

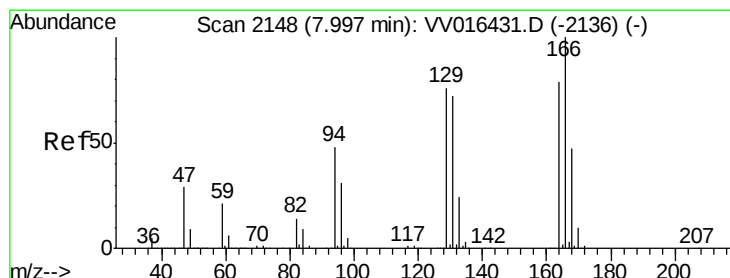
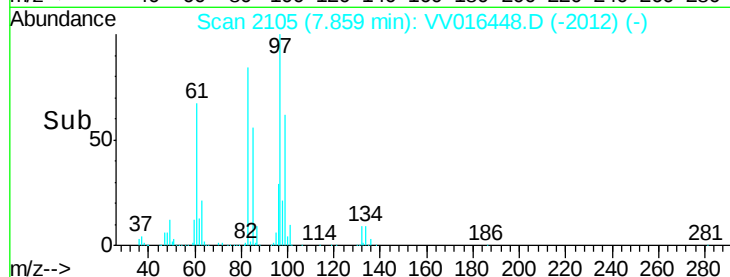
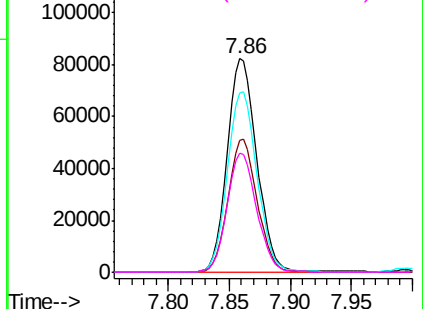
Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	140115
Ion	Ratio	Lower	Upper
97	100		
99	61.7	42.9	79.7
83	84.1	59.3	110.1
85	55.7	37.5	69.7



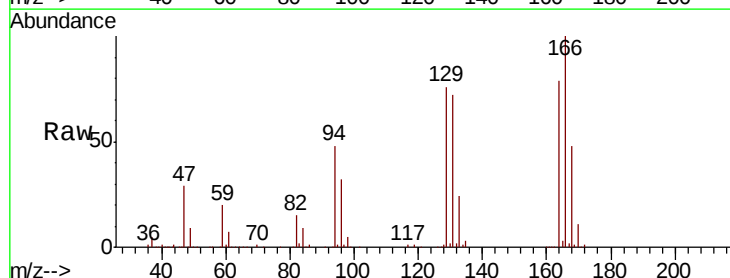
Abundance

Ion 97.00 (96.70 to 97.70): VV016448.D (-2093) (-)



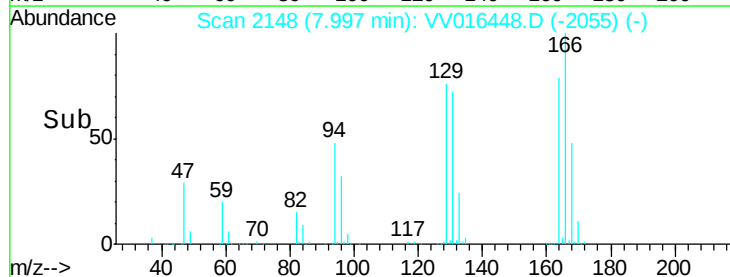
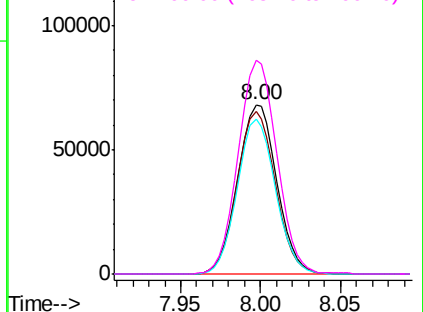
#46
 Tetrachloroethene
 Concen: 51.878 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

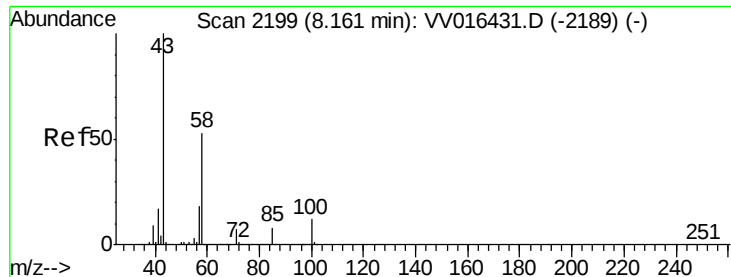
Tgt Ion:	164	Resp:	113710
Ion	Ratio	Lower	Upper
164	100		
129	95.7	67.7	125.7
131	91.3	63.8	118.6
166	126.1	88.7	164.7



Abundance

Ion 164.00 (163.70 to 164.70): VV016448.D (-2055) (-)

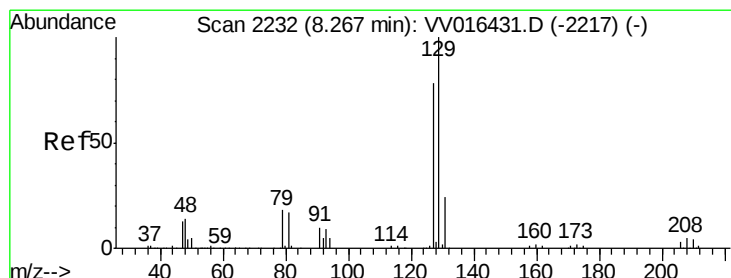
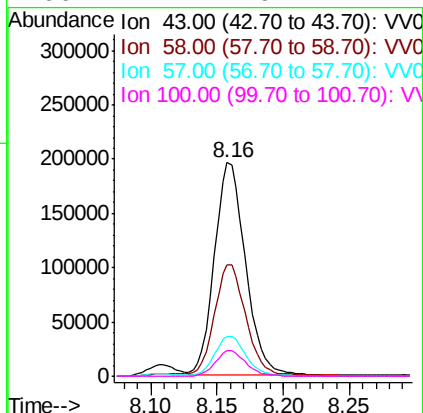
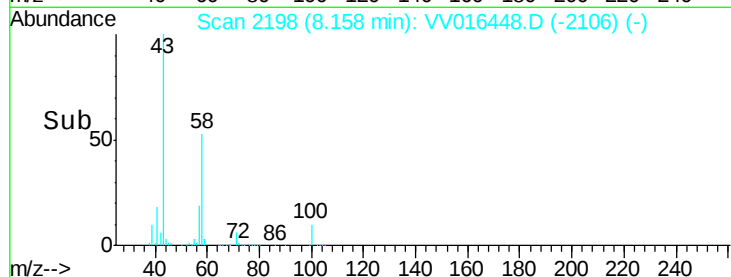
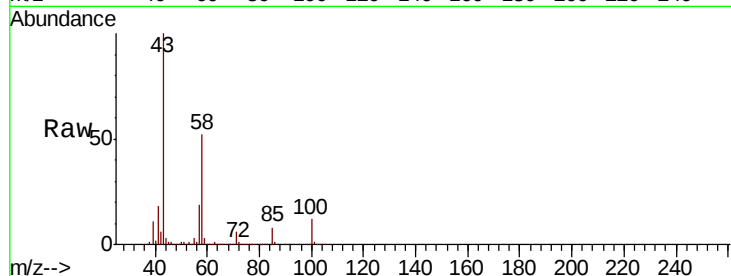




#48
2-Hexanone
Concen: 105.875 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

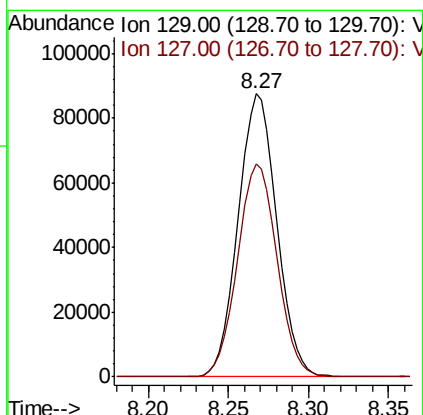
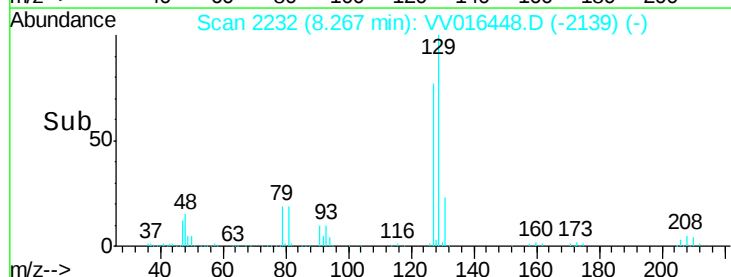
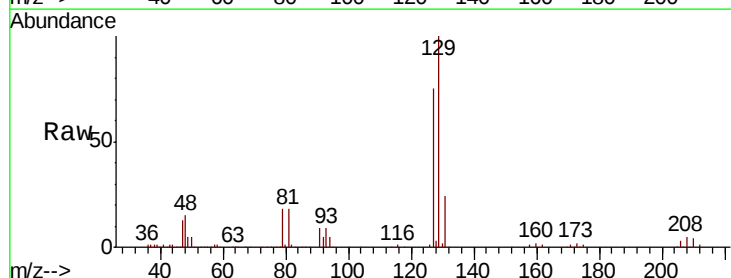
Instrument :
MSVOA_V
ClientSampleId :

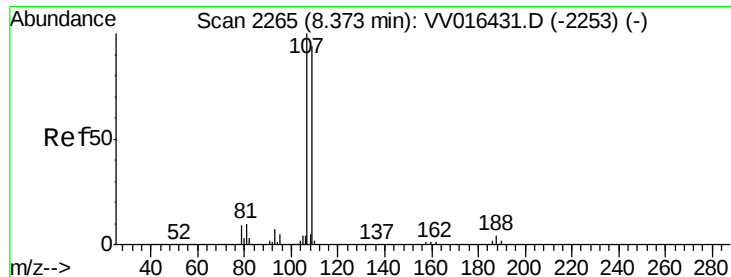
Tot Ion: 43 Resp: 319823
Ion Ratio Lower Upper
43 100
58 53.0 42.7 64.1
57 19.0 14.5 21.7
100 11.7 9.4 14.2



#49
Dibromochloromethane
Concen: 54.322 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

Tgt Ion: 129 Resp: 144202
Ion Ratio Lower Upper
129 100
127 75.3 54.6 101.4

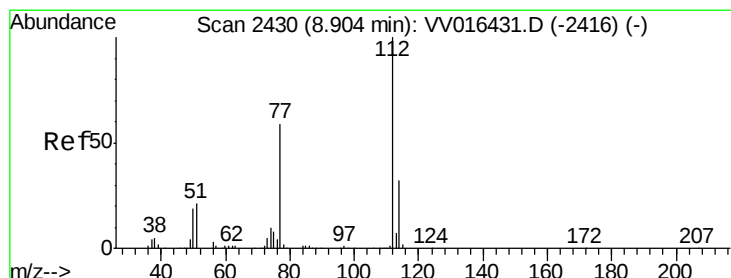
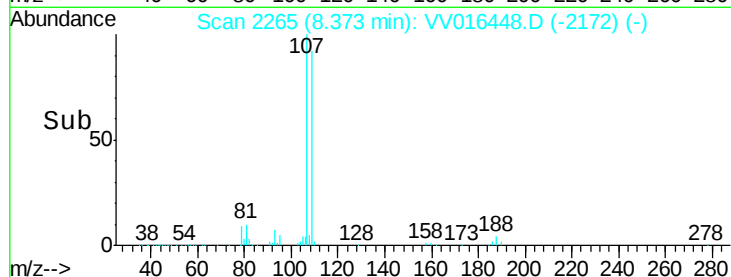
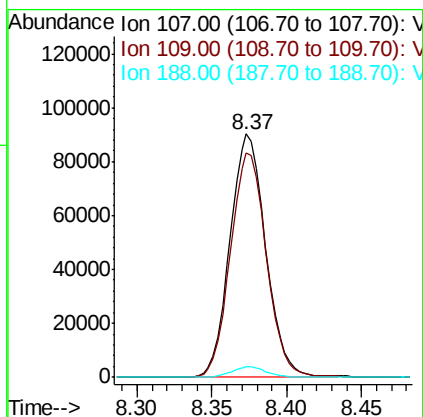
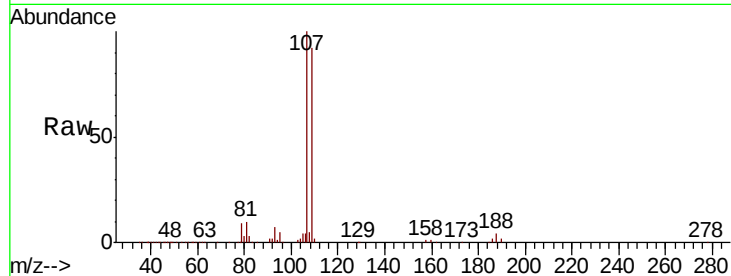




#50
1,2-Dibromoethane
Concen: 51.946 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

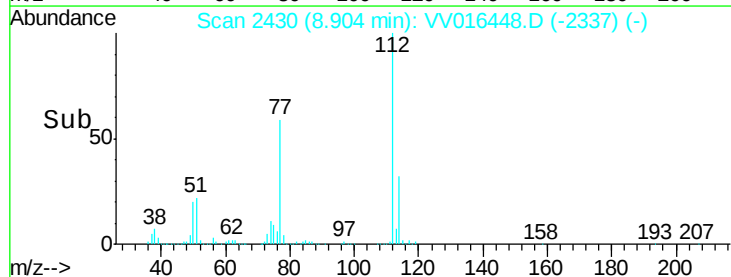
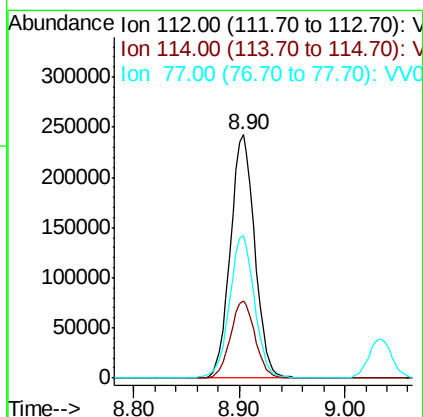
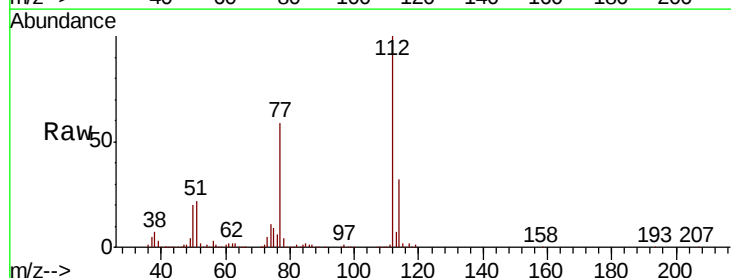
Instrument :
MSVOA_V
ClientSampleId :

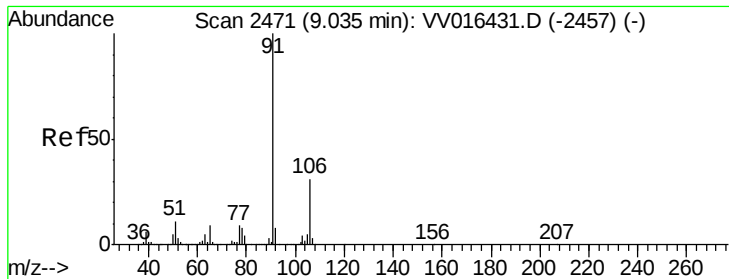
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.9	122.3
188	4.1	2.8	4.2



#51
Chlorobenzene
Concen: 51.295 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016448.D
Acq: 02 Jun 2020 23:52

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.7	42.1
77	58.6	47.4	71.2





#52

Ethylbenzene

Concen: 52.936 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

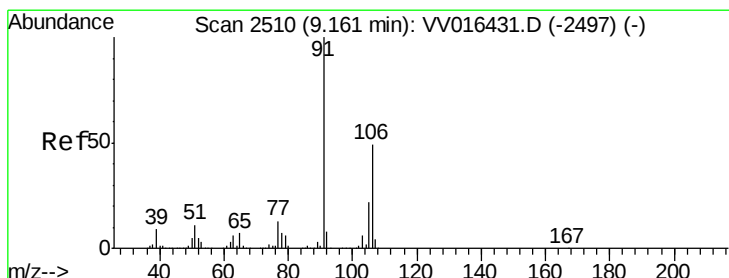
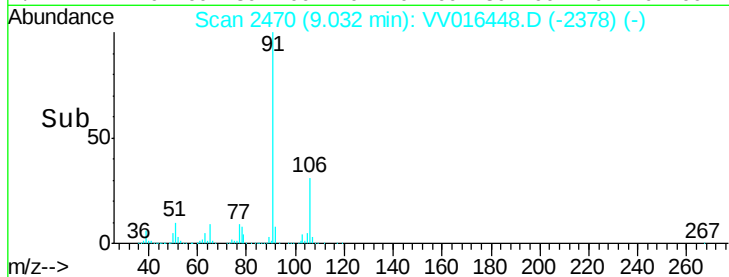
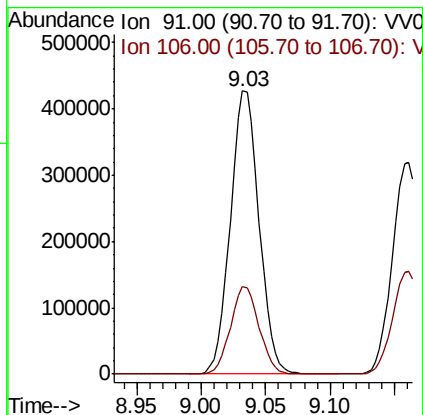
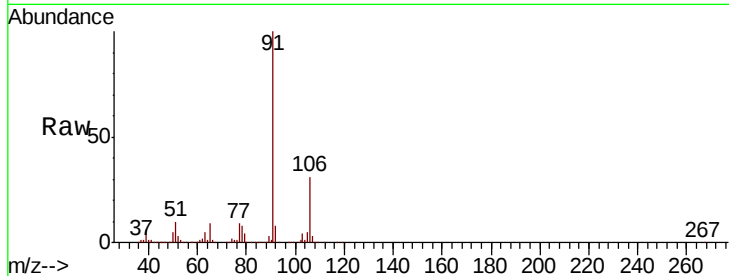
ClientSampleId :

Tot Ion: 91 Resp: 661428

Ion Ratio Lower Upper

91 100

106 30.8 21.8 40.4



#53

m,p-Xylene

Concen: 52.765 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV016448.D

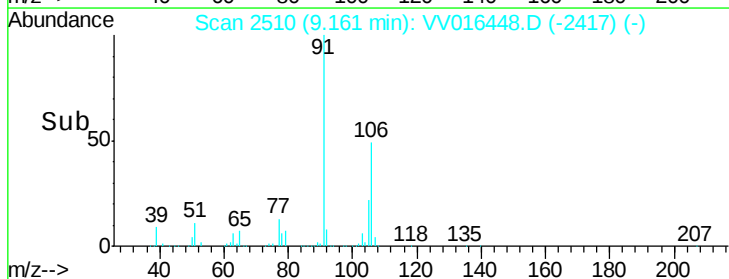
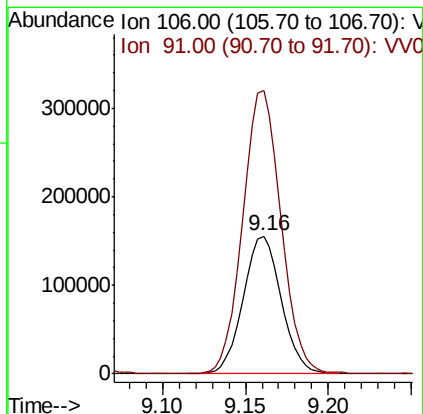
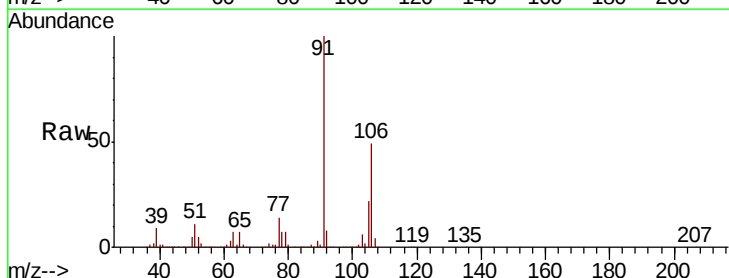
Acq: 02 Jun 2020 23:52

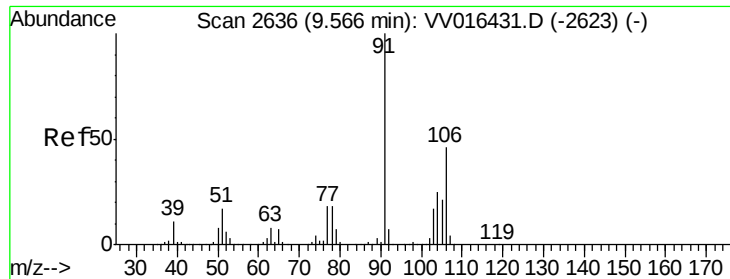
Tgt Ion: 106 Resp: 248599

Ion Ratio Lower Upper

106 100

91 205.2 142.5 264.6





#54

o-xylene

Concen: 52.729 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

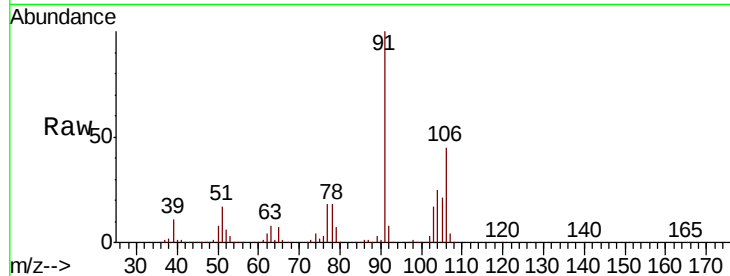
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 240599

Ion Ratio Lower Upper

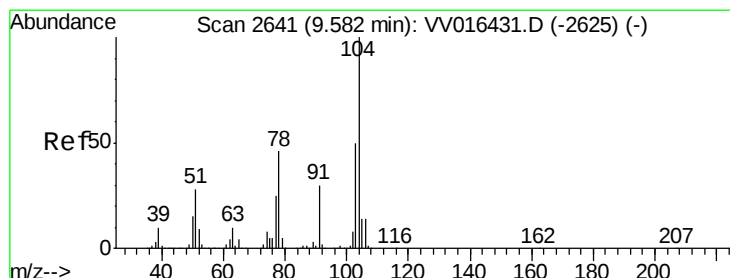
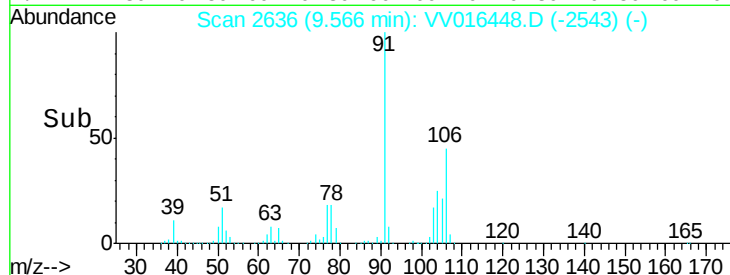
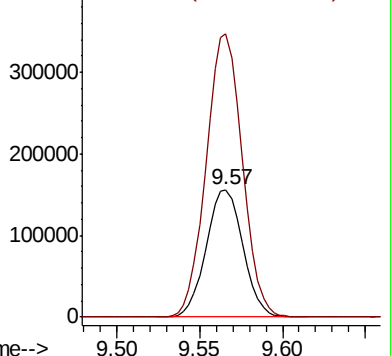
106 100

91 221.6 152.5 283.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.915 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016448.D

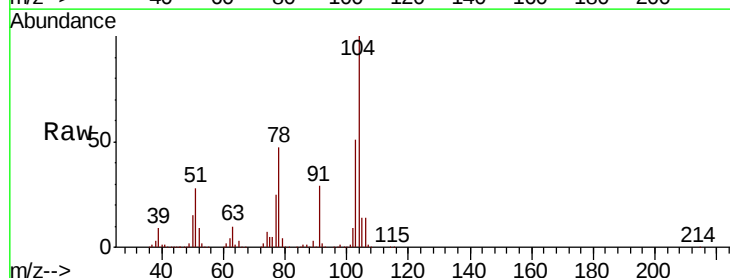
Acq: 02 Jun 2020 23:52

Tgt Ion:104 Resp: 430978

Ion Ratio Lower Upper

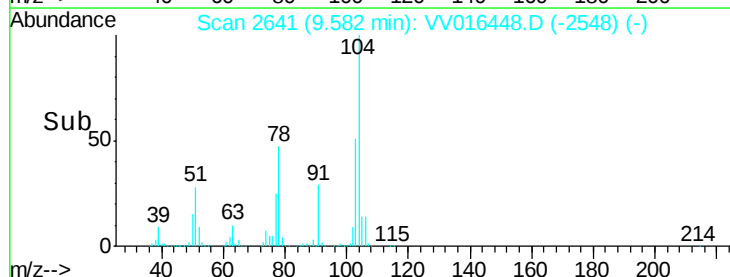
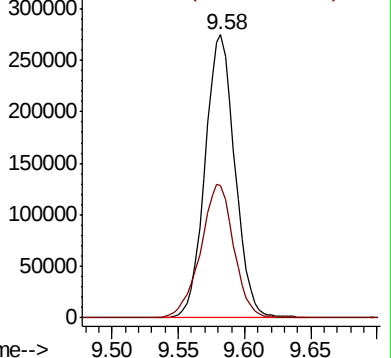
104 100

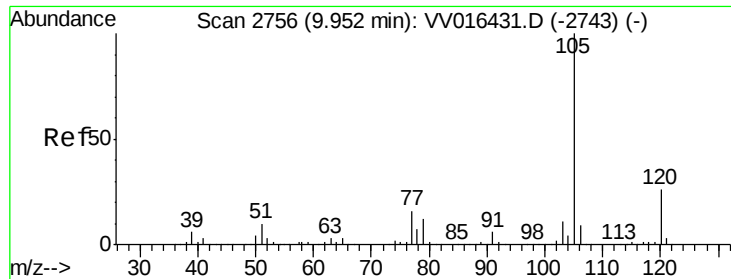
78 46.6 31.9 59.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.249 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :
MSVOA_V
ClientSampled :

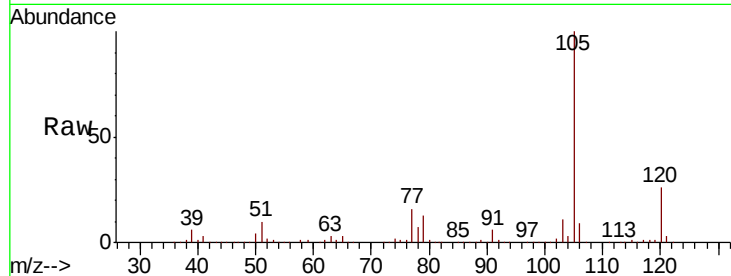
Tot Ion:105 Resp: 619260

Ion Ratio Lower Upper

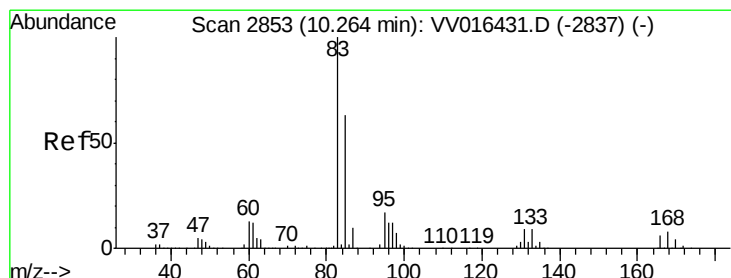
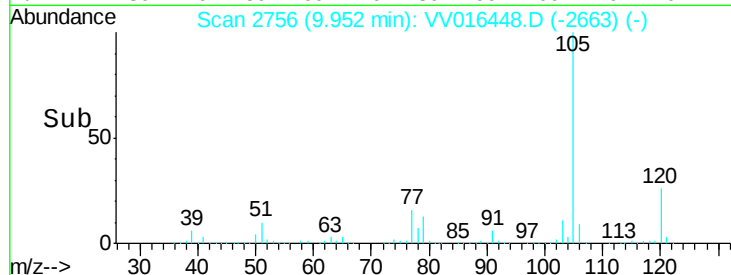
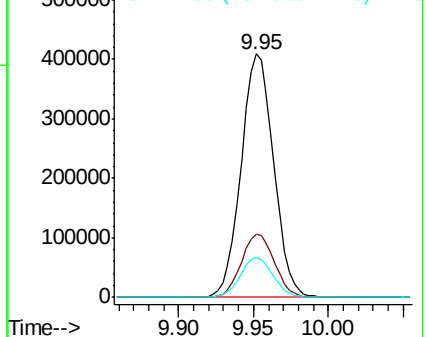
105 100

120 26.4 21.0 31.6

77 16.4 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.520 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

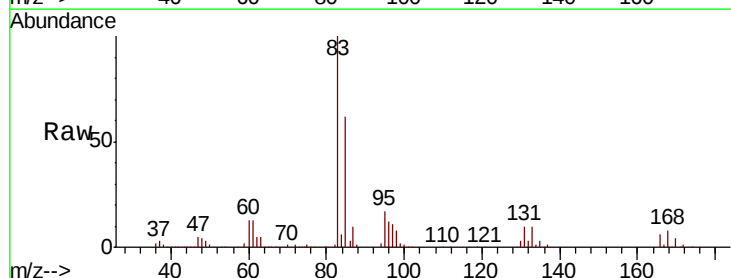
Tgt Ion: 83 Resp: 225665

Ion Ratio Lower Upper

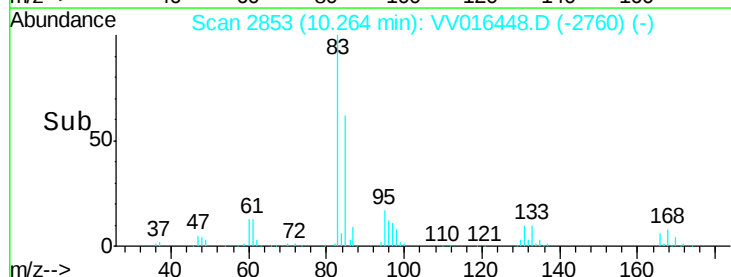
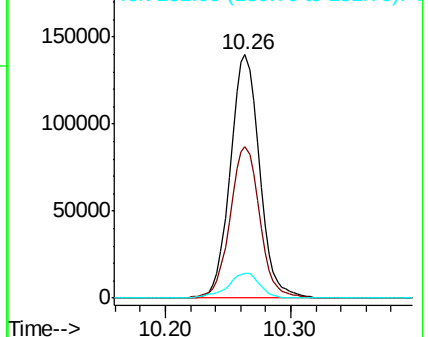
83 100

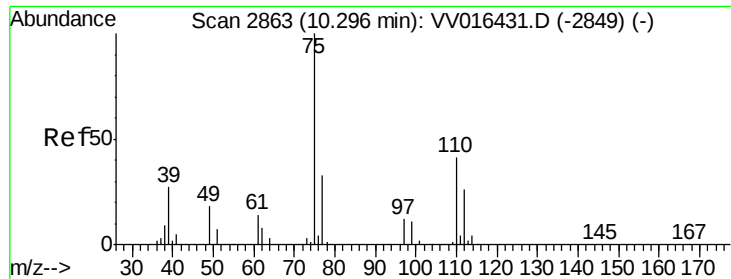
85 62.4 44.0 81.6

131 10.3 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.354 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

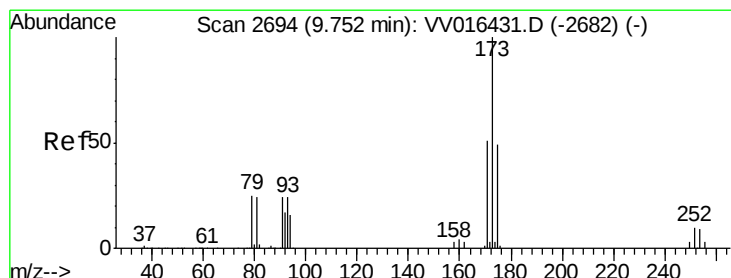
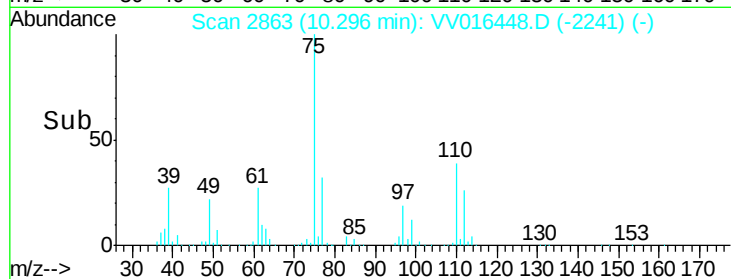
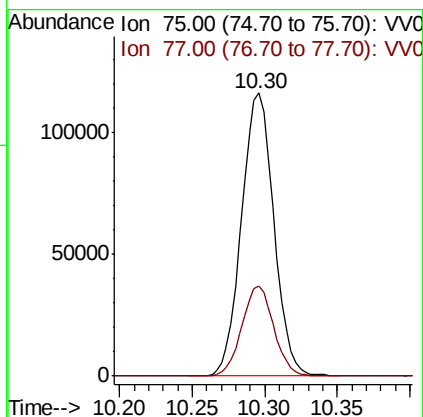
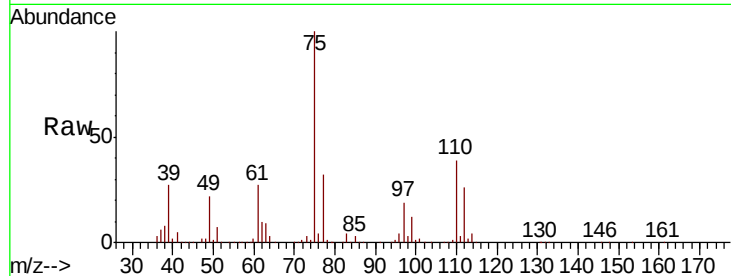
ClientSampleId :

Tot Ion: 75 Resp: 180960

Ion Ratio Lower Upper

75 100

77 31.3 26.6 40.0



#61

Bromoform

Concen: 56.159 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

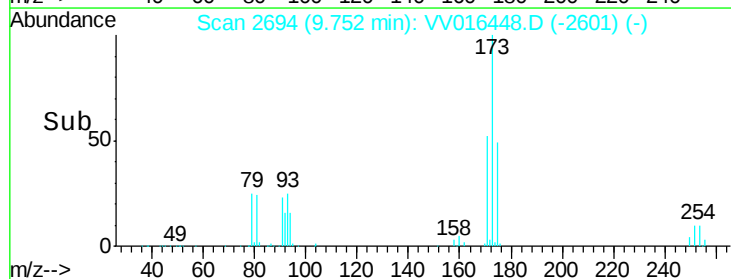
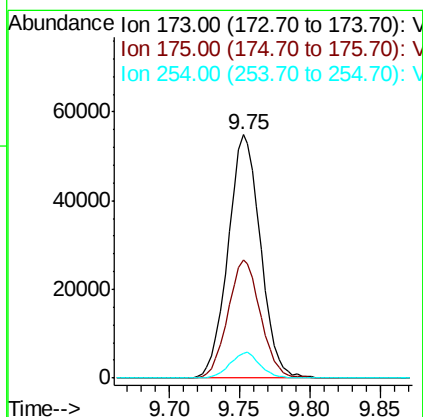
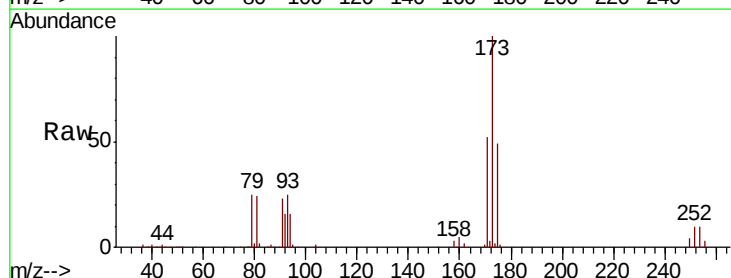
Tgt Ion: 173 Resp: 88321

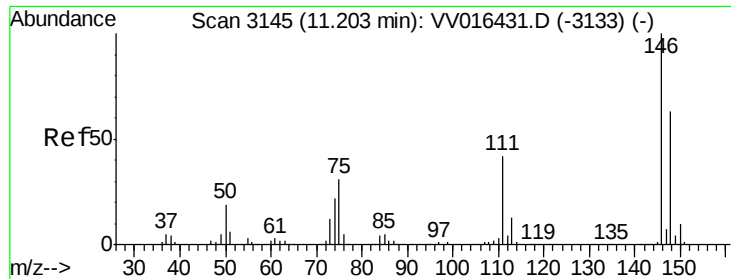
Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

254 9.8 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 50.998 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

ClientSampled :

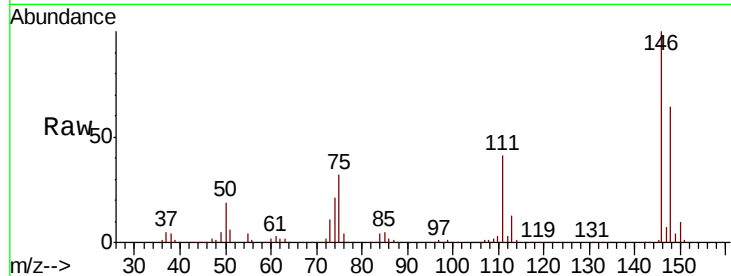
Tot Ion:146 Resp: 296777

Ion Ratio Lower Upper

146 100

111 40.6 29.8 55.3

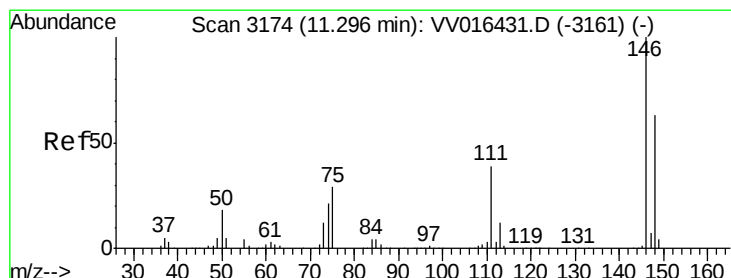
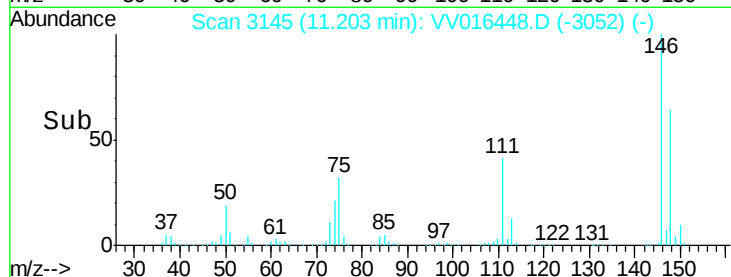
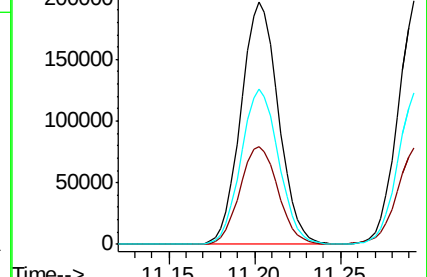
148 63.9 44.0 81.8



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: 50.978 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

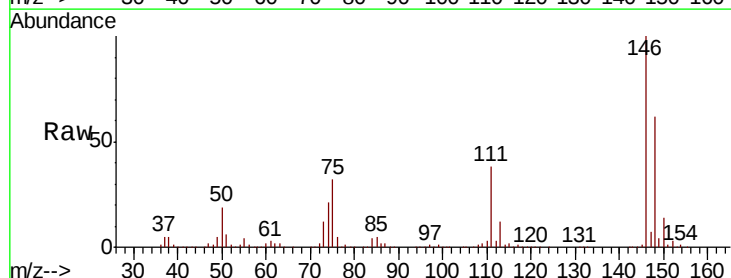
Tgt Ion:146 Resp: 307809

Ion Ratio Lower Upper

146 100

111 38.3 27.3 50.7

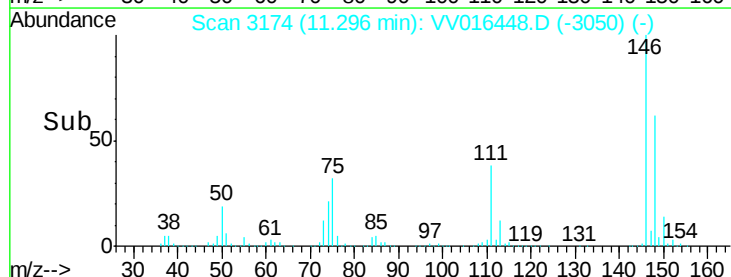
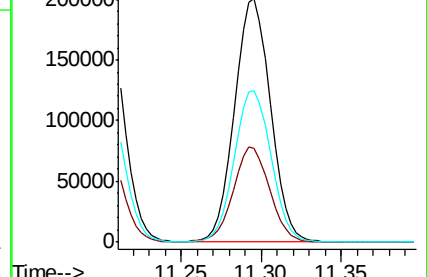
148 62.4 44.5 82.7

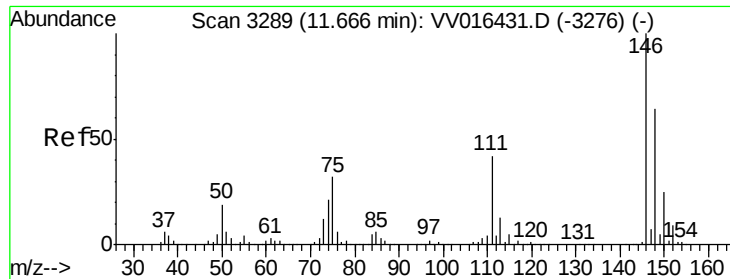


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.300 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

ClientSampleId :

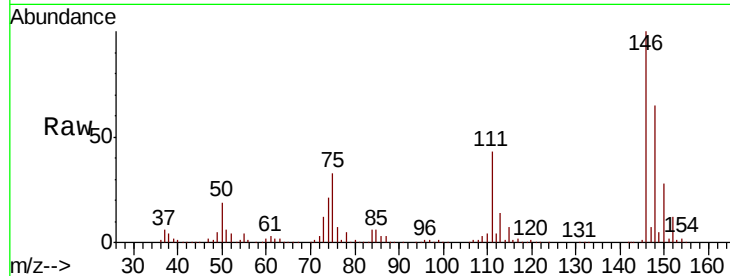
Tot Ion:146 Resp: 294631

Ion Ratio Lower Upper

146 100

111 42.8 33.6 50.4

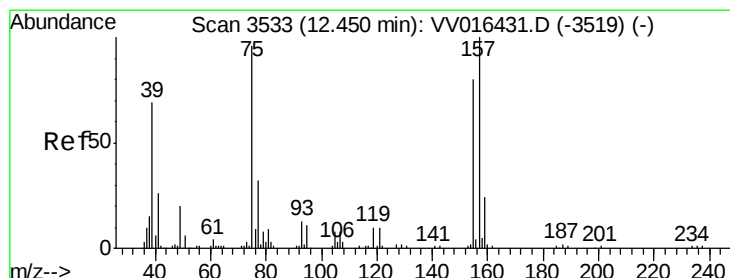
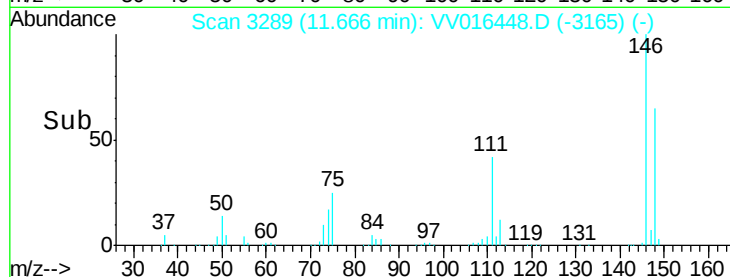
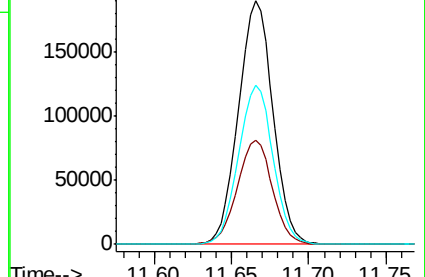
148 65.4 51.5 77.3



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



#66

1,2-Dibromo-3-chloropropane

Concen: 52.428 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

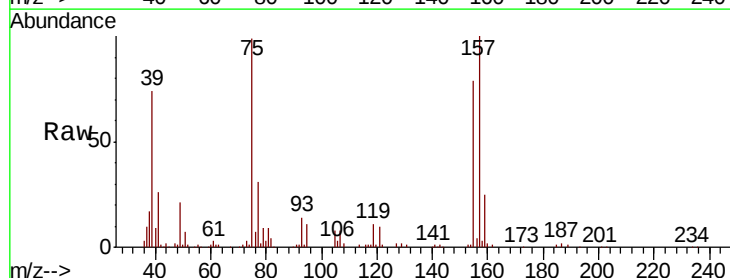
Tgt Ion: 75 Resp: 46604

Ion Ratio Lower Upper

75 100

155 79.8 66.2 99.2

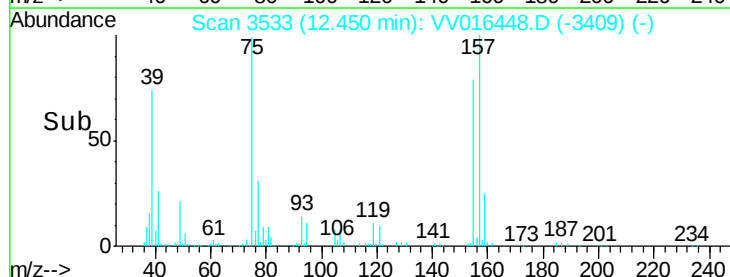
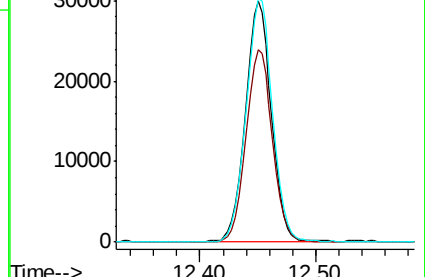
157 101.3 83.0 124.4

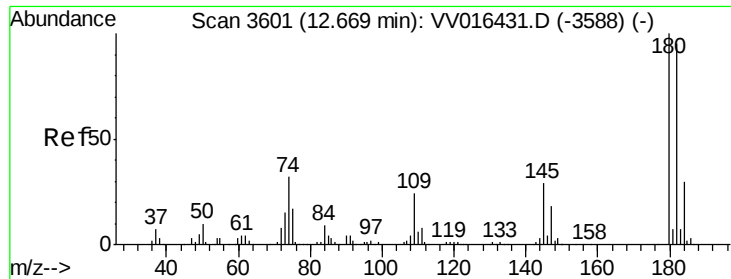


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

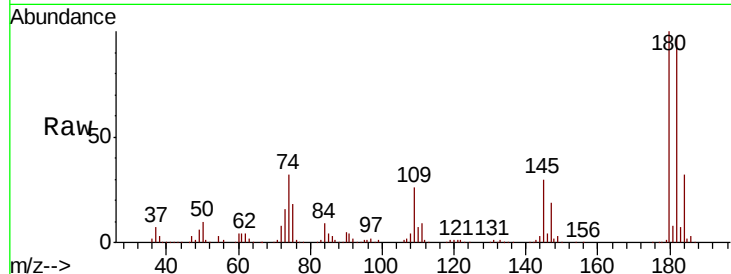




#67
 1,3,5-Trichlorobenzene
 Concen: 49.123 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	30.7	24.4	36.6
145	30.4	24.2	36.2

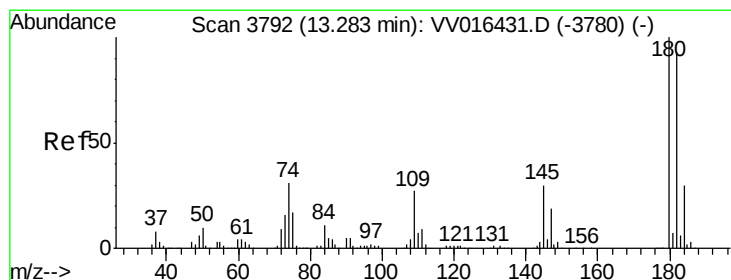
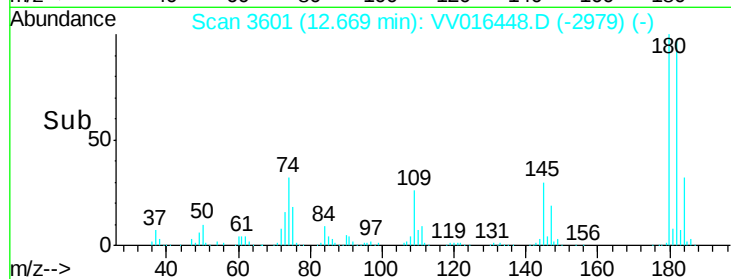
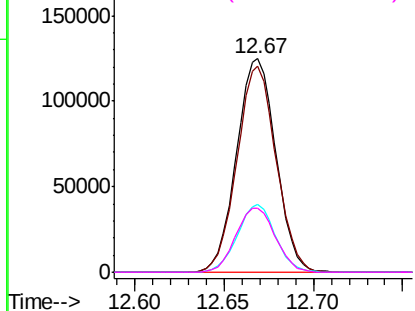


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

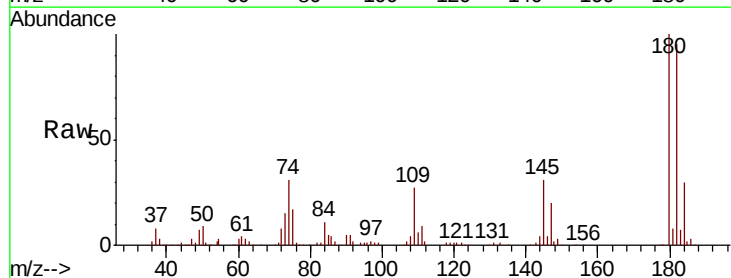
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.077 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV016448.D
 Acq: 02 Jun 2020 23:52

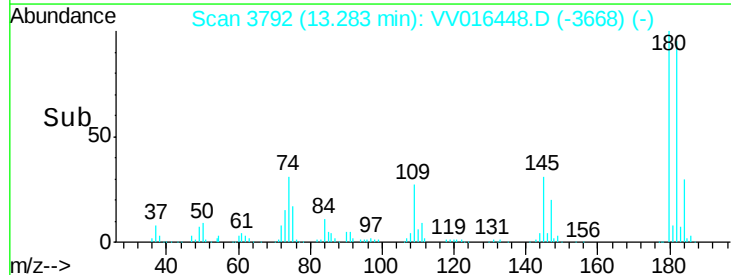
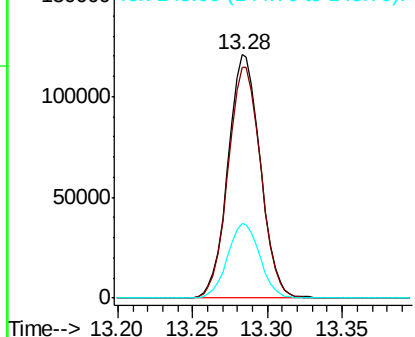
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	74.6	111.8
145	30.7	24.5	36.7

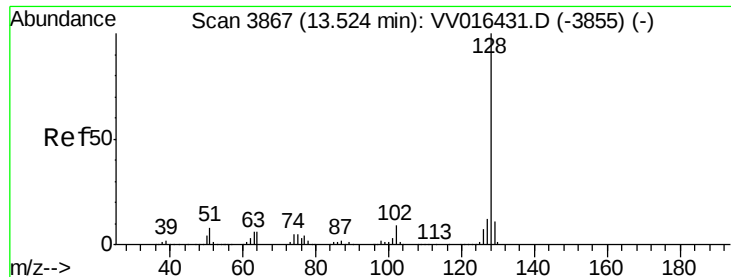


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 52.087 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

Instrument :

MSVOA_V

ClientSampleId :

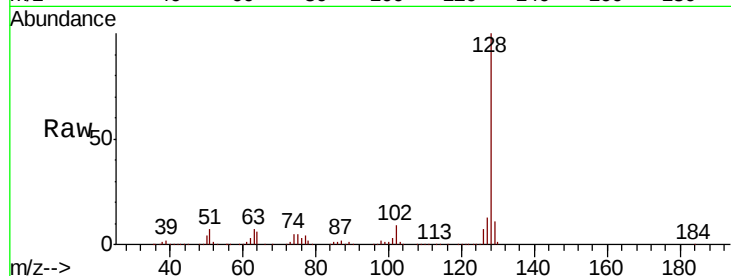
Tot Ion:128 Resp: 579476

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

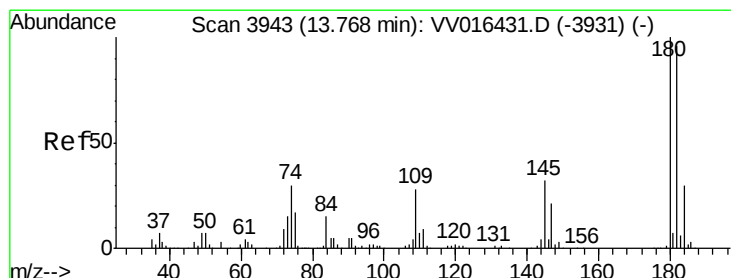
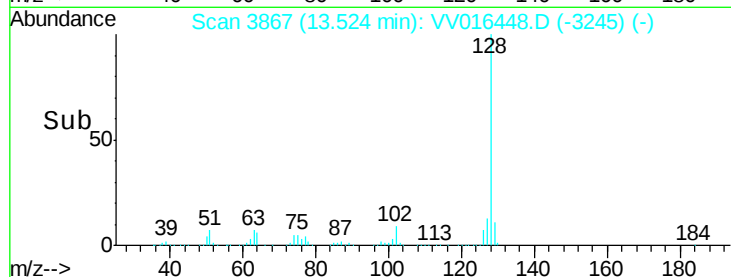
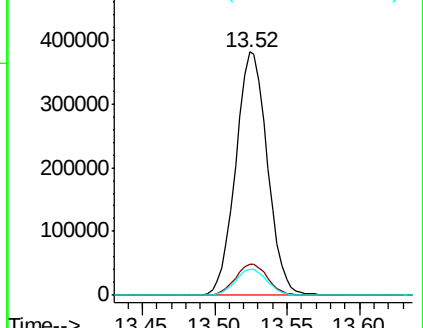
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.945 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016448.D

Acq: 02 Jun 2020 23:52

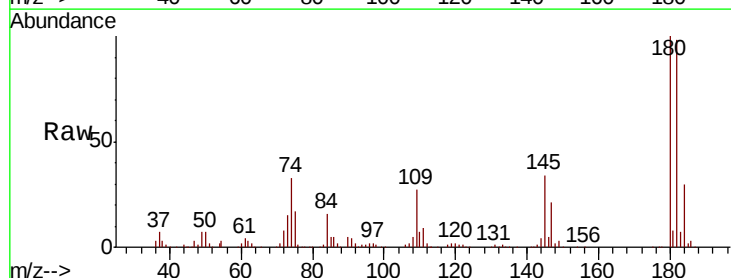
Tgt Ion:180 Resp: 172088

Ion Ratio Lower Upper

180 100

182 97.2 76.0 114.0

145 34.0 26.5 39.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

