

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016312.D
 Acq On : 29 May 2020 06:46
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 07:17:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	115713	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	110524	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54352	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30595	4.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.40%
7) Chloroethane-d5	1.58	69	24009	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.13	63	61066	4.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.60%
20) 2-Butanone-d5	3.94	46	84552	45.87	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.74%
24) Chloroform-d	4.38	84	61254	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.06	65	32755	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	5.08	84	123820	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.10	67	36766	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.34	98	117450	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
45) trans-1,3-Dichloropropene-	7.64	79	13066	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
48) 2-Hexanone-d5	8.11	63	71081	49.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.18%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26747	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	41833	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	48352	4.747	ug/L 99
3) Chloromethane	1.25	50	44783	4.022	ug/L 99
5) Vinyl chloride	1.32	62	42956	4.239	ug/L 98
6) Bromomethane	1.53	94	15332	2.689	ug/L 97
8) Chloroethane	1.60	64	25488	4.502	ug/L 97
9) Trichlorofluoromethane	1.77	101	58647	4.476	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	31627	4.429	ug/L 97
12) 1,1-Dichloroethene	2.14	96	30361	4.448	ug/L 92
13) Acetone	2.21	43	50796	44.515	ug/L 91
14) Carbon disulfide	2.31	76	88902	4.202	ug/L 99
15) Methyl Acetate	2.46	43	12546	4.303	ug/L 100
16) Methylene chloride	2.53	84	32276	4.125	ug/L 96
17) Methyl tert-butyl Ether	2.79	73	76849	4.573	ug/L 97
18) trans-1,2-Dichloroethene	2.78	96	32144	4.304	ug/L 99
19) 1,1-Dichloroethane	3.21	63	69397	4.891	ug/L 98
21) 2-Butanone	4.02	43	99182	48.861	ug/L 91
22) cis-1,2-Dichloroethene	3.94	96	40703	4.608	ug/L 95

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 ALS Vial : 52 Sample Multiplier: 1

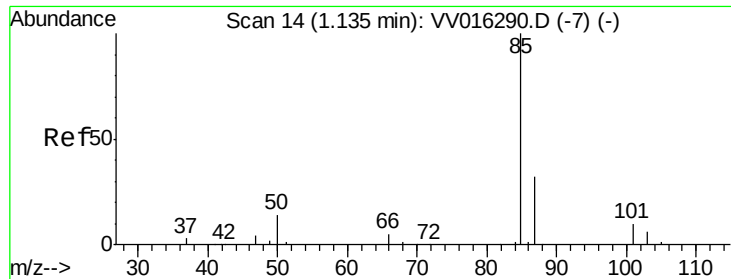
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 07:17:23 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	16306	4.863	ug/L	98
25) Chloroform	4.41	83	72064	4.799	ug/L	98
27) 1,2-Dichloroethane	5.16	62	43781	4.460	ug/L #	92
29) 1,1,1-Trichloroethane	4.63	97	61904	4.719	ug/L	99
30) Cyclohexane	4.70	56	67348	4.791	ug/L	99
31) Carbon tetrachloride	4.86	117	51294	4.615	ug/L	100
33) Benzene	5.13	78	151683	4.769	ug/L	100
34) Trichloroethene	5.94	95	40036	4.832	ug/L	99
35) Methylcyclohexane	6.15	83	64653	4.627	ug/L	98
37) 1,2-Dichloropropane	6.20	63	36926	4.734	ug/L	98
38) Bromodichloromethane	6.53	83	44870	4.675	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	48870	4.423	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	239359	49.319	ug/L	100
42) Toluene	7.41	91	166322	4.795	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	157080	4.975	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	158950	4.887	ug/L	97
46) trans-1,3-Dichloropropene	7.68	75	40067	4.365	ug/L	99
47) 1,1,2-Trichloroethane	7.86	97	24439	4.763	ug/L	97
49) Tetrachloroethene	8.00	164	28455	4.784	ug/L	98
50) 2-Hexanone	8.16	43	167808	49.580	ug/L	99
51) Dibromochloromethane	8.27	129	24943	4.590	ug/L	100
52) 1,2-Dibromoethane	8.38	107	23025	4.776	ug/L	96
53) Chlorobenzene	8.90	112	102968	4.804	ug/L	99
54) Ethylbenzene	9.03	91	187702	4.855	ug/L	100
55) m,p-xylene	9.16	106	70813	4.885	ug/L	97
56) o-xylene	9.56	106	67918	4.916	ug/L	98
57) Styrene	9.58	104	115375	5.018	ug/L	100
58) Isopropylbenzene	9.95	105	185990	4.915	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	30080	4.716	ug/L	97
62) Bromoform	9.75	173	10569	4.522	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	81234	4.897	ug/L	97
64) 1,4-Dichlorobenzene	11.29	146	82086	4.870	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	73107	4.876	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	4823	4.762	ug/L	95
68) 1,3,5-Trichlorobenzene	12.67	180	57812	4.925	ug/L	97
69) 1,2,4-trichlorobenzene	13.28	180	51496	4.996	ug/L	99
70) Naphthalene	13.52	128	542779	24.103	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	46712	5.025	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.747 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

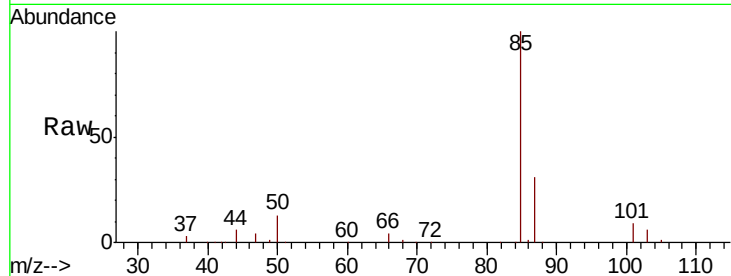
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 48352

Ion Ratio Lower Upper

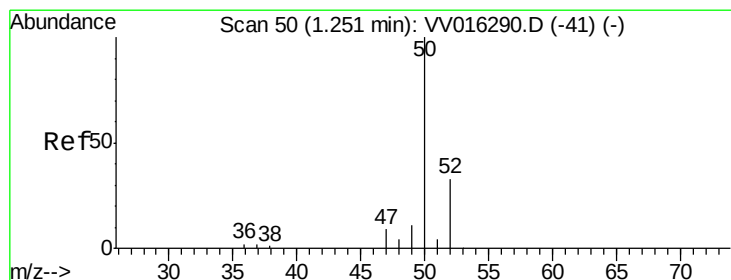
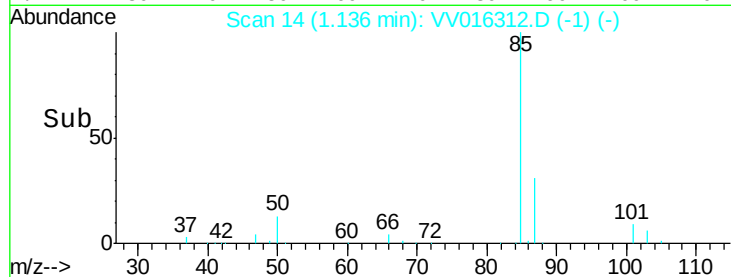
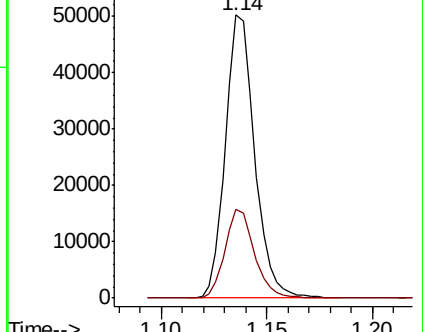
85 100

87 31.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV016312.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016312.D (-1) (-)



#3

Chloromethane

Concen: 4.022 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016312.D

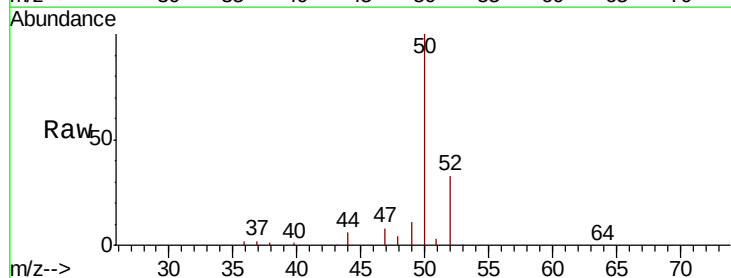
Acq: 29 May 2020 06:46

Tgt Ion: 50 Resp: 44783

Ion Ratio Lower Upper

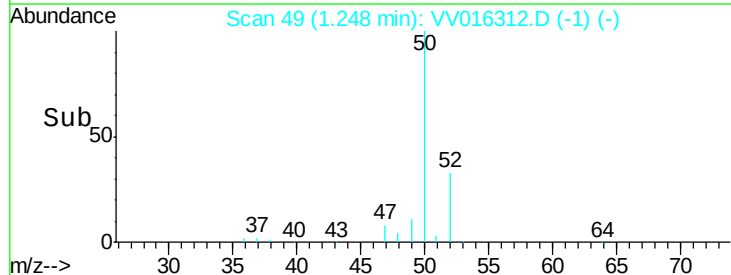
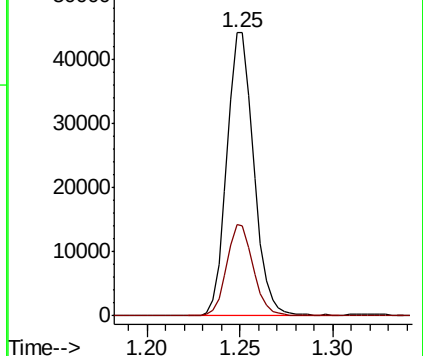
50 100

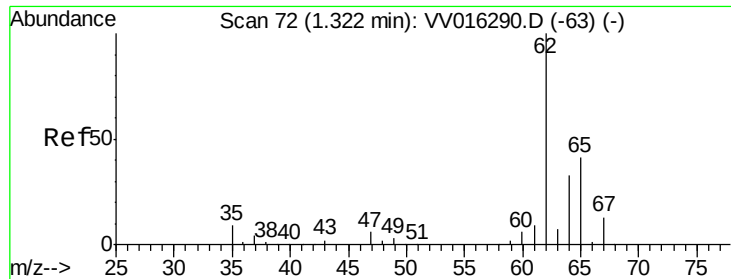
52 32.5 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016312.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016312.D (-1) (-)





#5

Vinyl chloride

Concen: 4.239 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

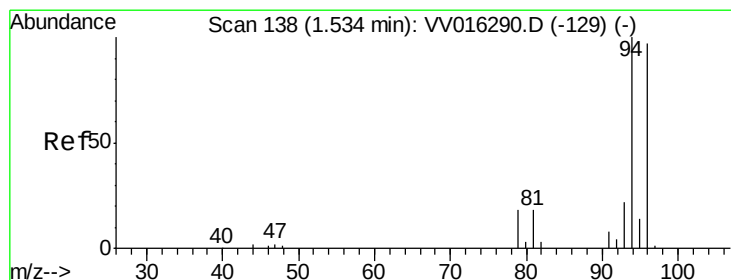
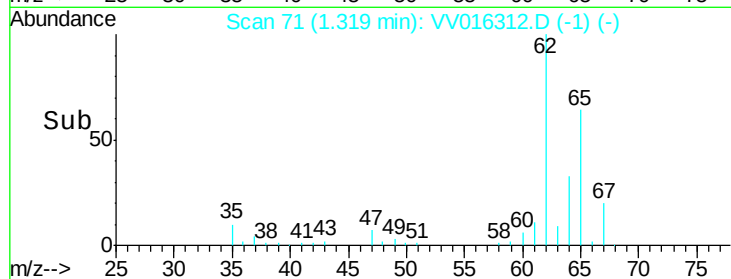
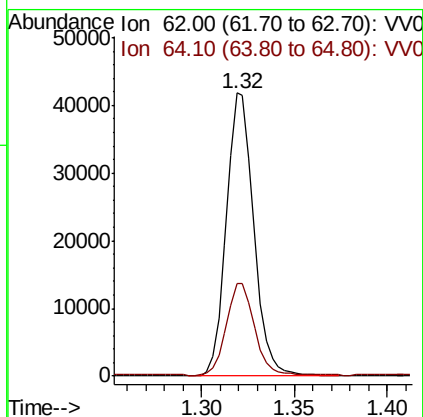
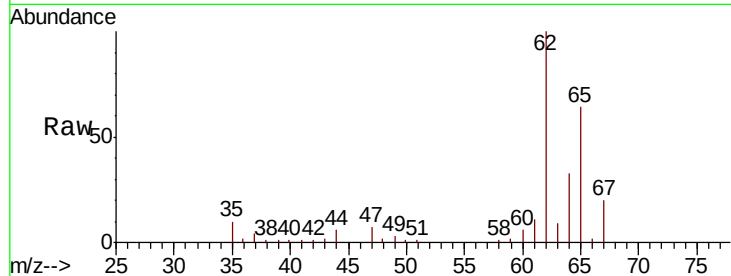
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 42956

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1



#6

Bromomethane

Concen: 2.689 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV016312.D

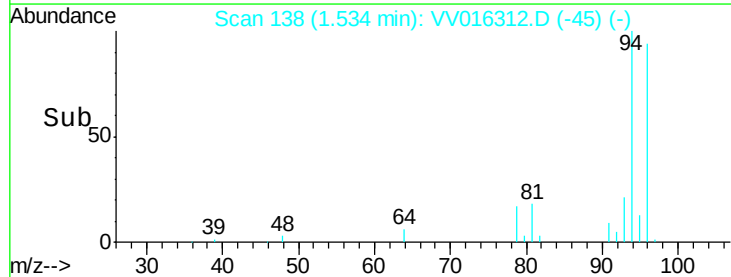
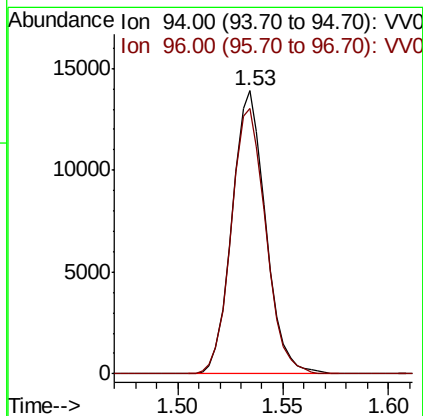
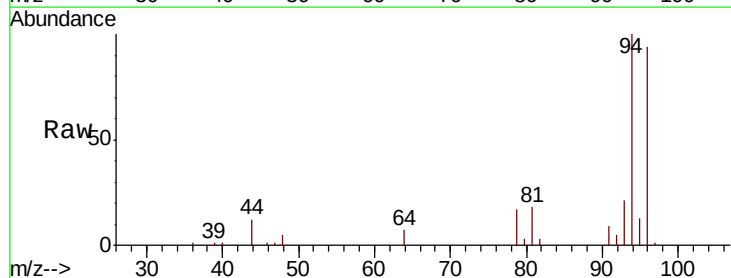
Acq: 29 May 2020 06:46

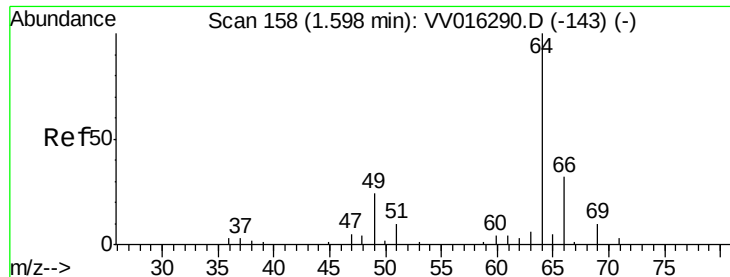
Tgt Ion: 94 Resp: 15332

Ion Ratio Lower Upper

94 100

96 94.0 67.7 125.7





#8

Chloroethane

Concen: 4.502 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

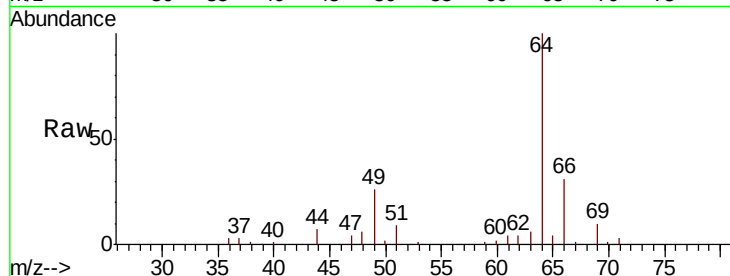
ClientSampled :

Tot Ion: 64 Resp: 25488

Ion Ratio Lower Upper

64 100

66 30.9 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV016312.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV016312.D (-65) (-)

1.60

25000

20000

15000

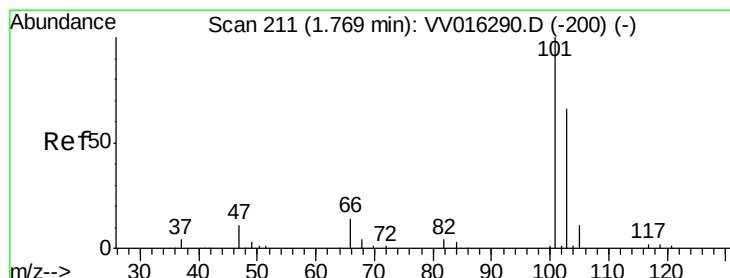
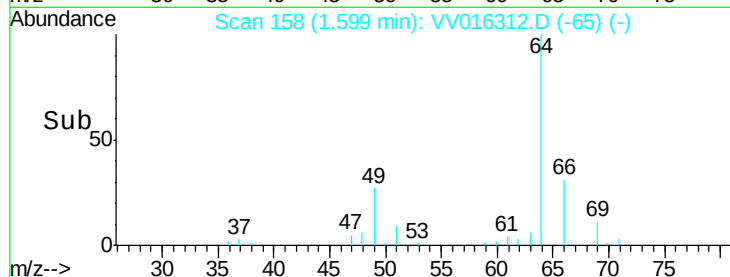
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 4.476 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV016312.D

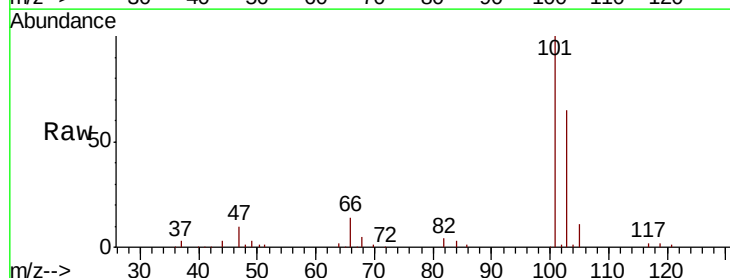
Acq: 29 May 2020 06:46

Tgt Ion: 101 Resp: 58647

Ion Ratio Lower Upper

101 100

103 65.6 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV016312.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV016312.D (-118) (-)

1.77

50000

40000

30000

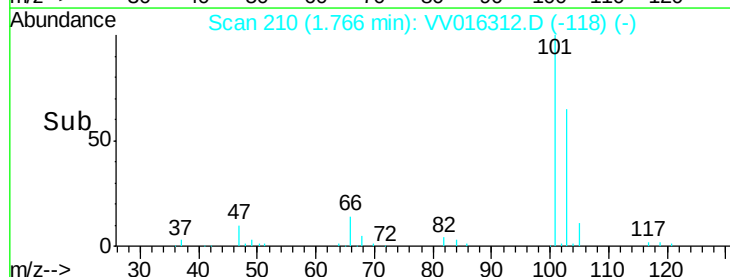
20000

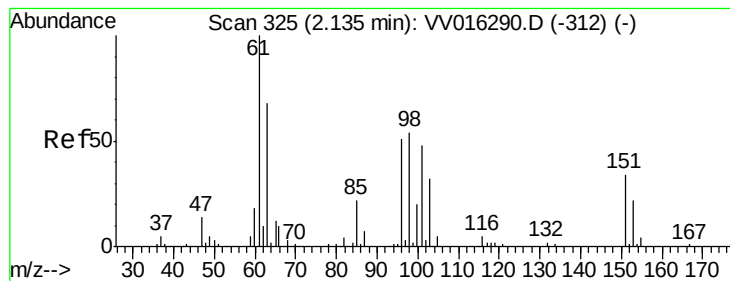
10000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 4.429 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

ClientSampleId :

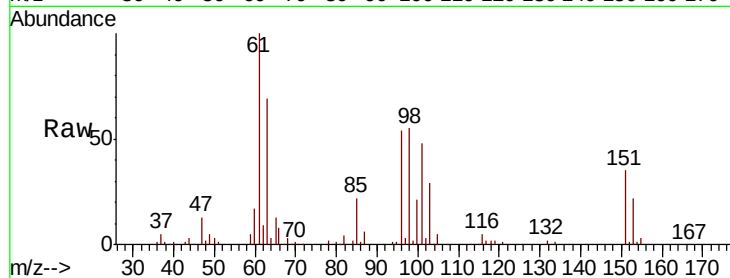
Tot Ion:101 Resp: 31627

Ion Ratio Lower Upper

101 100

85 44.7 35.0 52.6

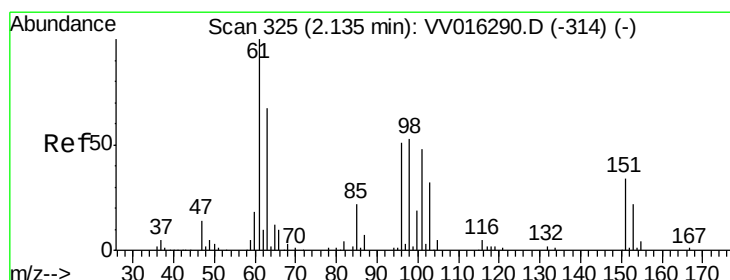
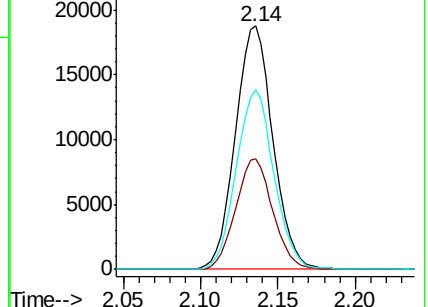
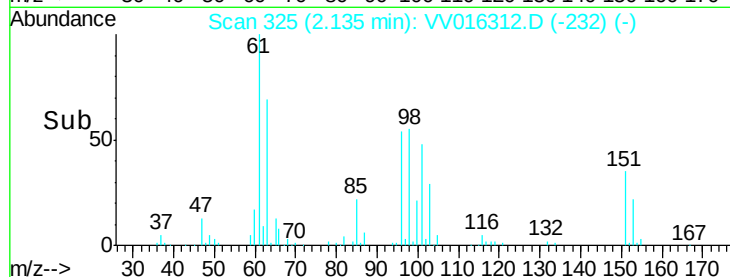
151 73.9 56.3 84.5



Abundance Ion 101.00 (100.70 to 101.70): VV016312.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV016312.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV016312.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.448 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

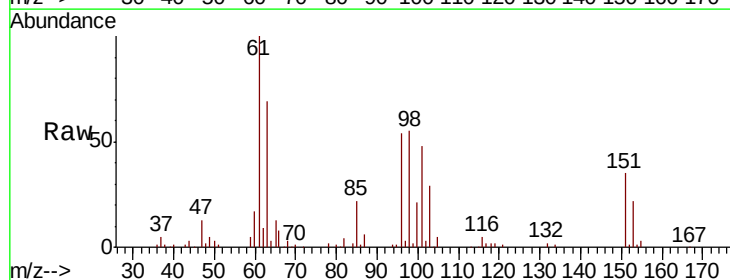
Tgt Ion: 96 Resp: 30361

Ion Ratio Lower Upper

96 100

61 185.3 124.9 231.9

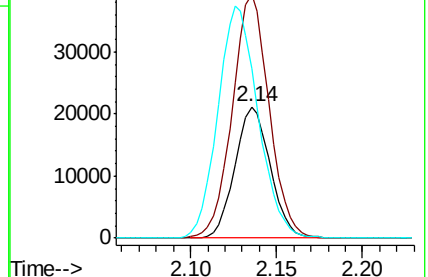
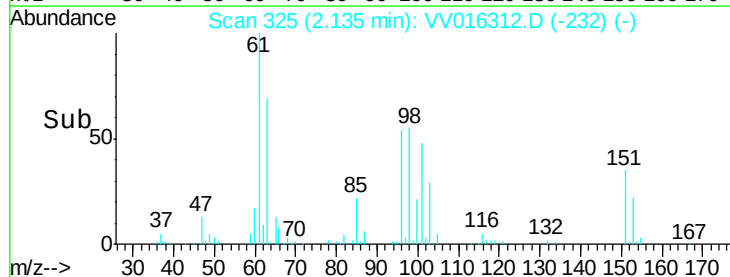
63 128.7 80.4 149.2

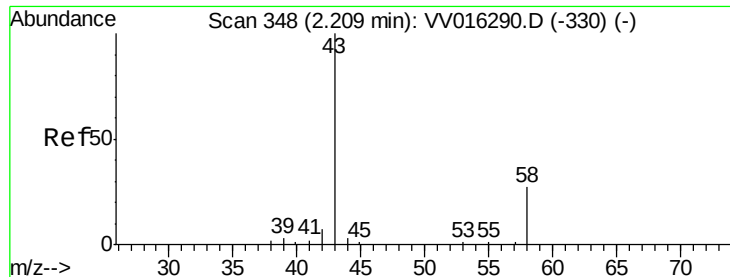


Abundance Ion 96.00 (95.70 to 96.70): VV016312.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV016312.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV016312.D (-232) (-)





#13

Acetone

Concen: 44.515 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

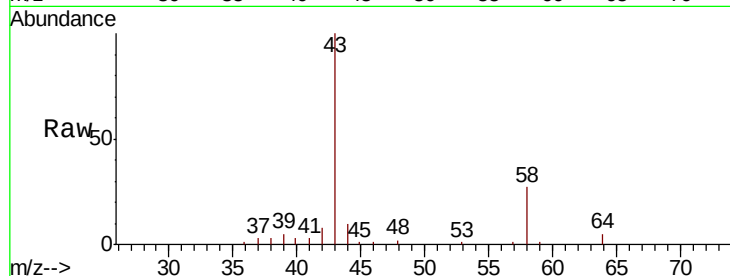
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 50796

Ion Ratio Lower Upper

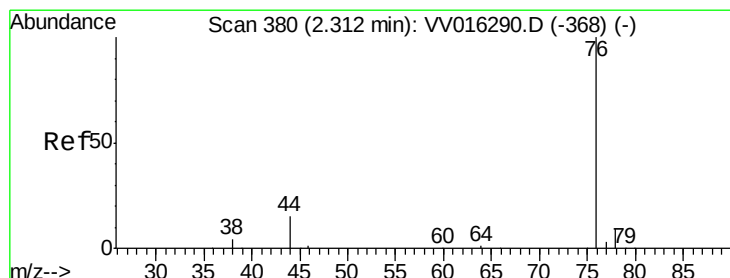
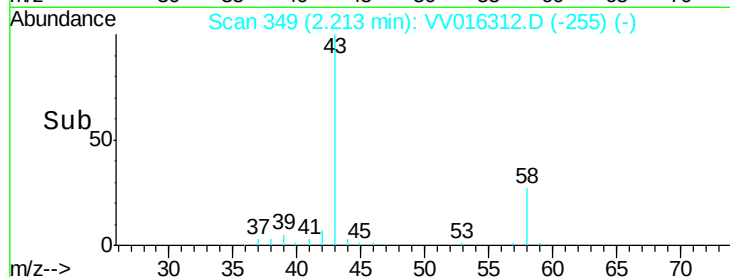
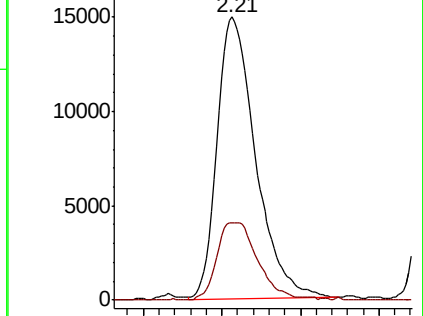
43 100

58 29.0 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.202 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016312.D

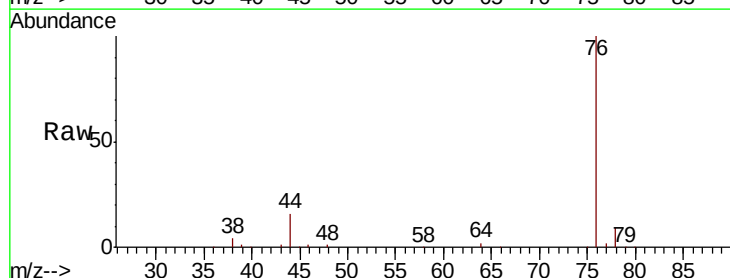
Acq: 29 May 2020 06:46

Tgt Ion: 76 Resp: 88902

Ion Ratio Lower Upper

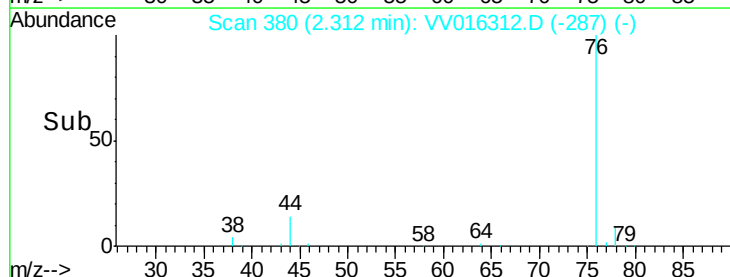
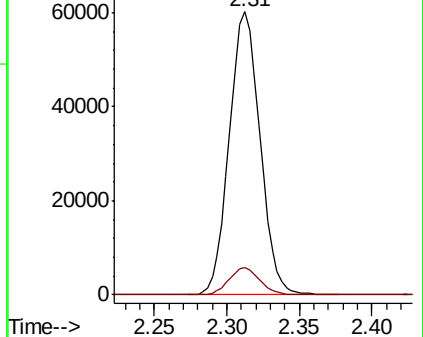
76 100

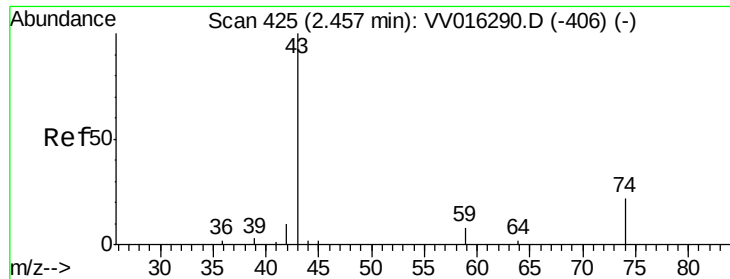
78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

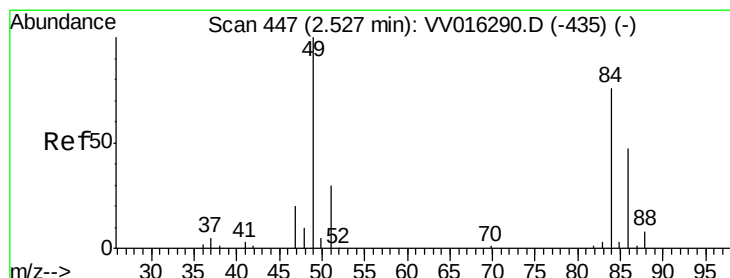
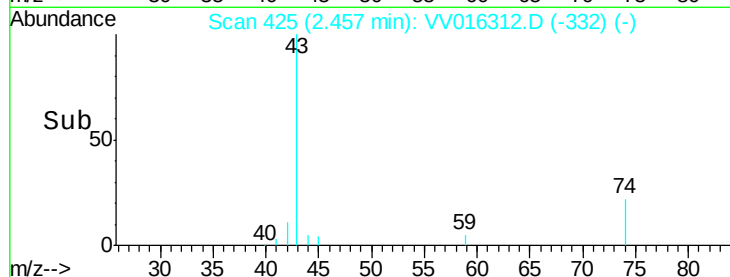
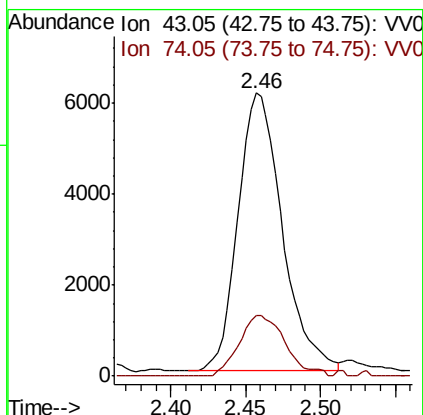
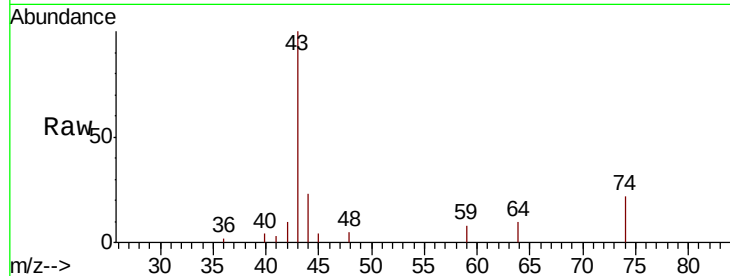




#15
Methvl Acetate
Concen: 4.303 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

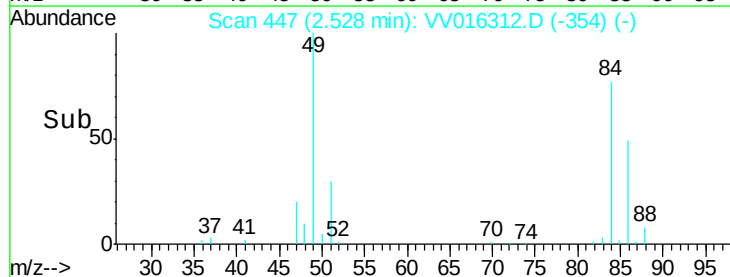
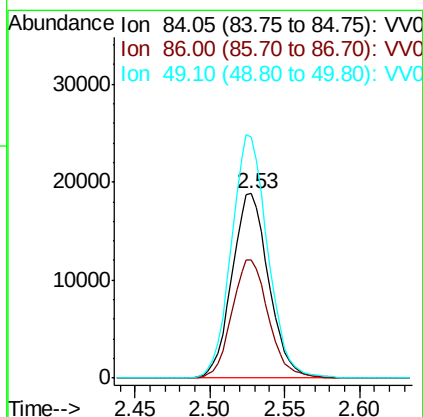
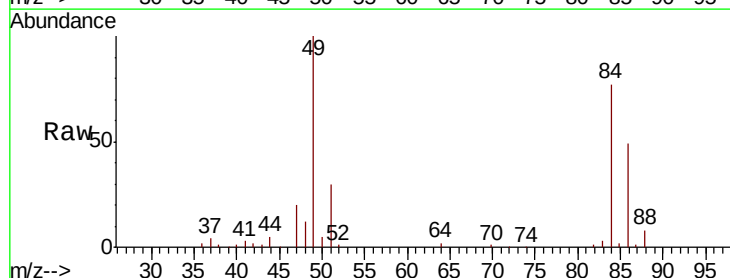
Instrument :
MSVOA_V
ClientSampleId :

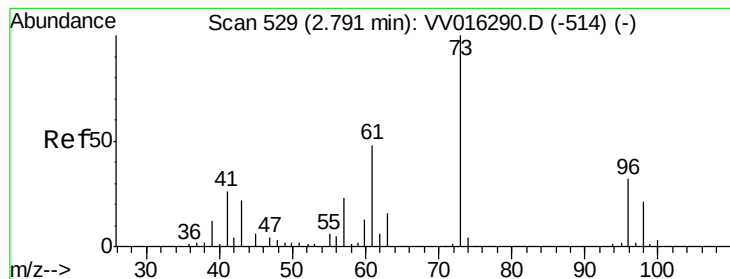
Tot Ion: 43 Resp: 12546
Ion Ratio Lower Upper
43 100
74 22.6 18.1 27.1



#16
Methylene chloride
Concen: 4.125 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Tgt Ion: 84 Resp: 32276
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.5
49 130.5 96.7 179.7



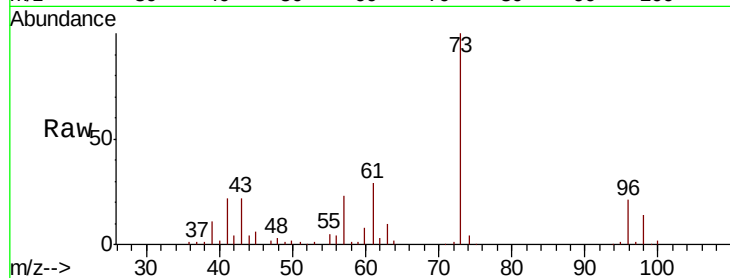


#17

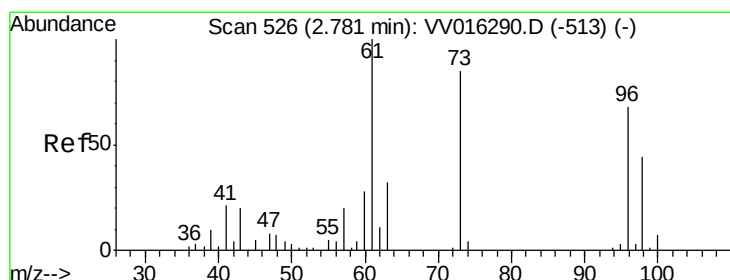
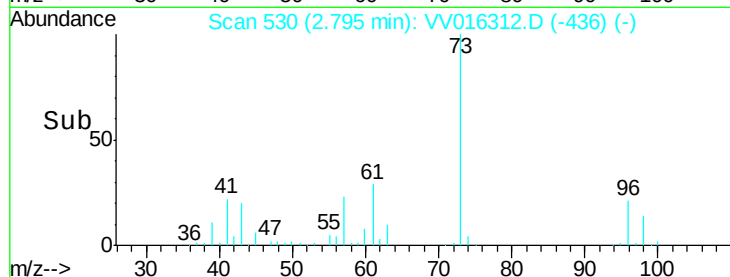
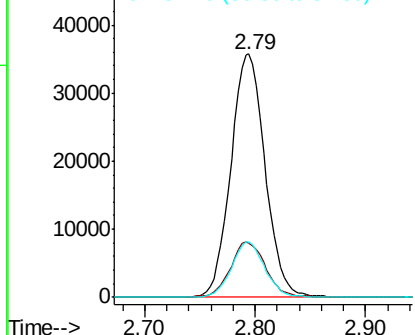
Methyl tert-butyl Ether
 Concen: 4.573 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Instrument :
 MSVOA_V
 ClientSampleID :

Tot Ion: 73 Resp: 76849
 Ion Ratio Lower Upper
 73 100
 43 23.5 17.8 26.8
 57 22.2 18.9 28.3



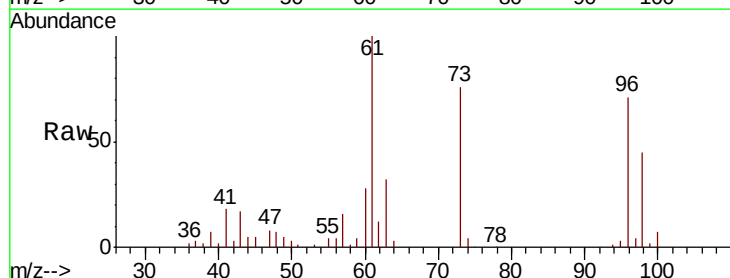
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



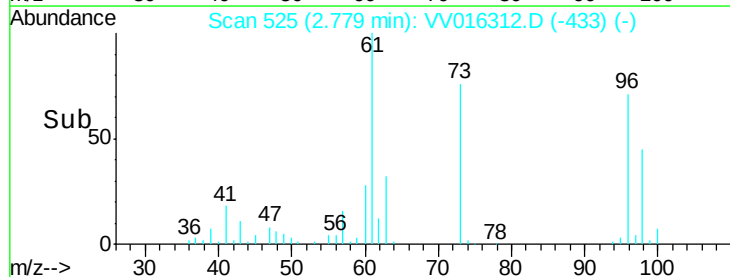
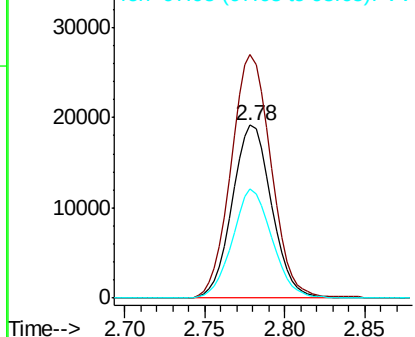
#18

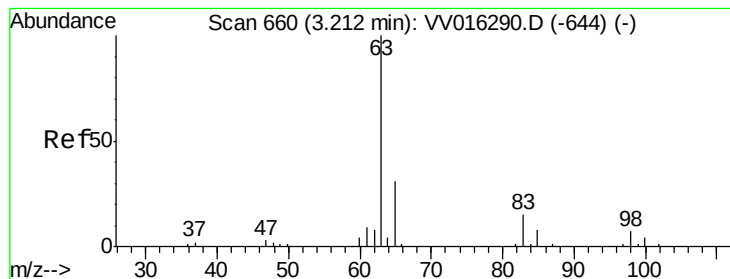
trans-1,2-Dichloroethene
 Concen: 4.304 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion: 96 Resp: 32144
 Ion Ratio Lower Upper
 96 100
 61 140.9 99.8 185.4
 98 62.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.891 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

ClientSampleId :

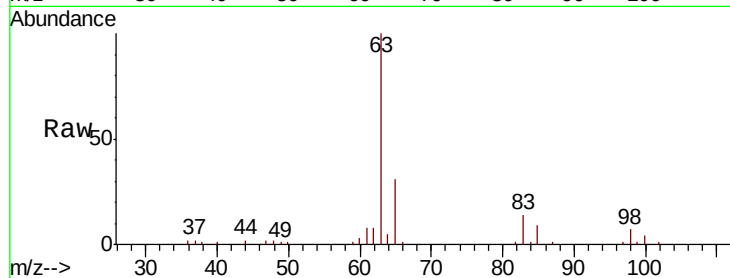
Tot Ion: 63 Resp: 69397

Ion Ratio Lower Upper

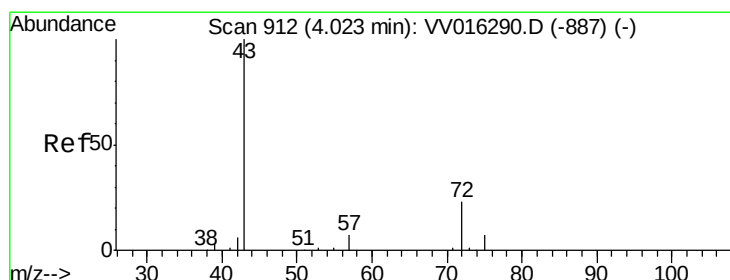
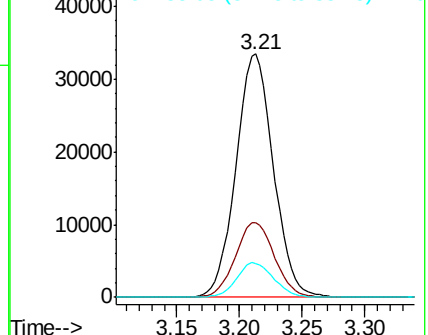
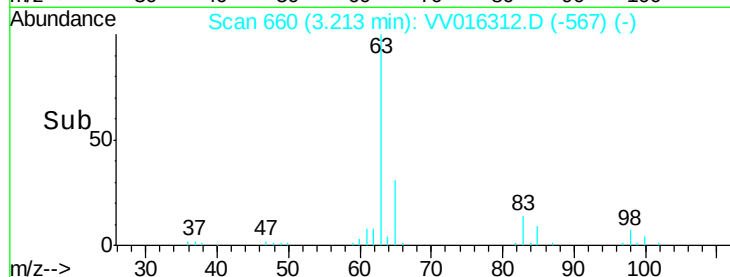
63 100

65 30.8 22.3 41.5

83 14.0 9.4 17.4



Abundance Ion 63.10 (62.80 to 63.80): VV016312.D (-567) (-)



#21

2-Butanone

Concen: 48.861 ug/L

RT: 4.02 min Scan# 912

Delta R.T. 0.00 min

Lab File: VV016312.D

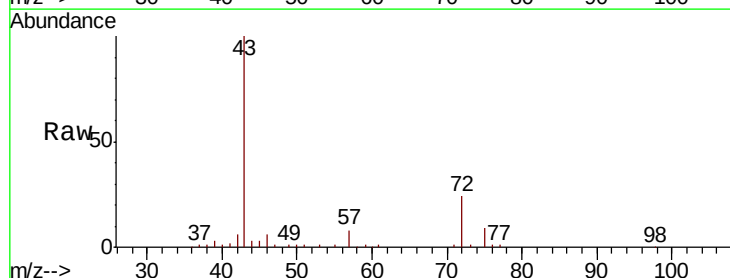
Acq: 29 May 2020 06:46

Tgt Ion: 43 Resp: 99182

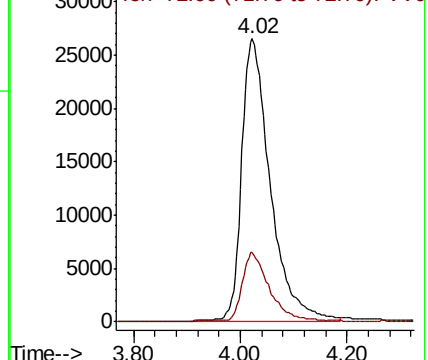
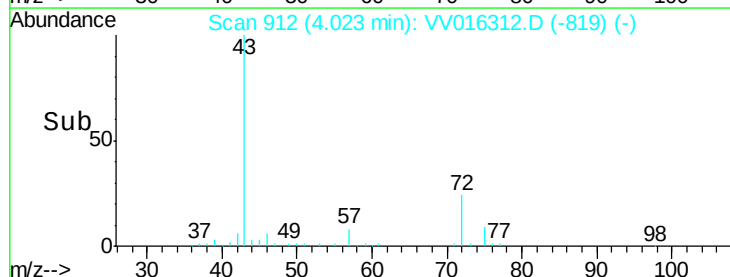
Ion Ratio Lower Upper

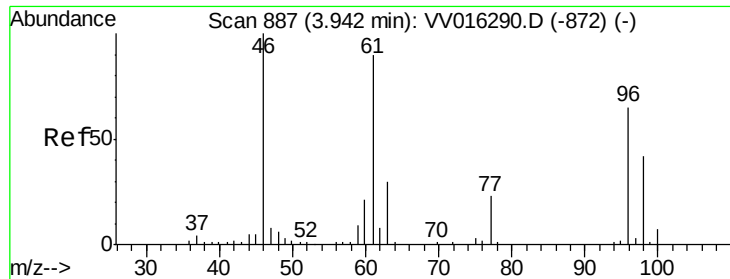
43 100

72 23.2 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV016312.D (-819) (-)



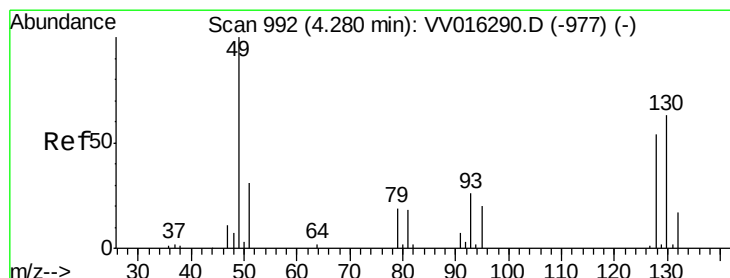
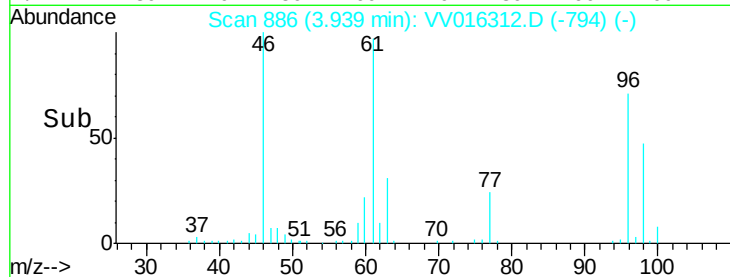
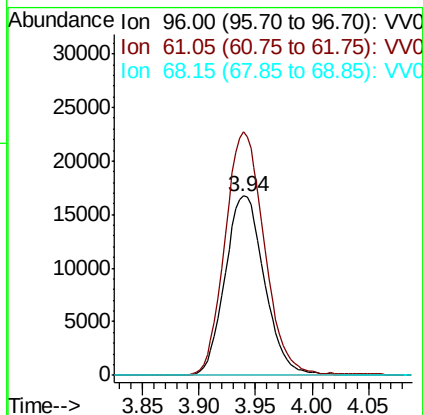
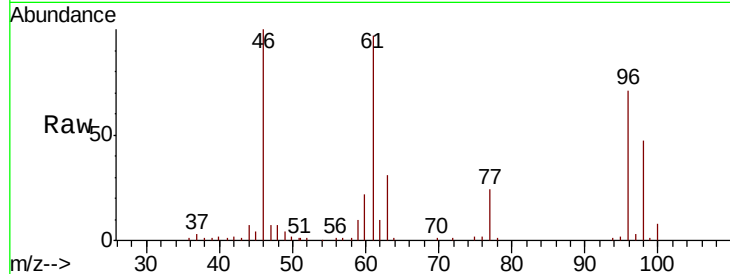


#22

cis-1,2-Dichloroethene
 Concen: 4.608 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

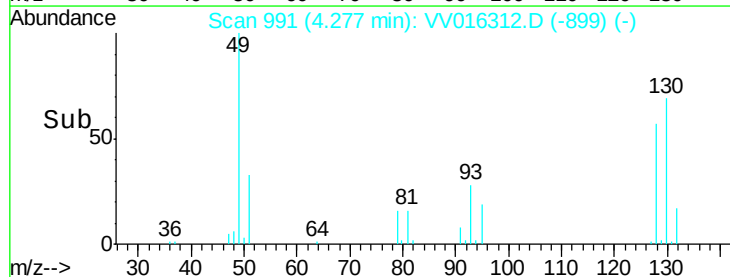
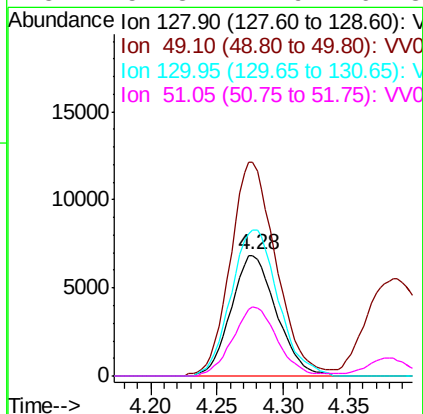
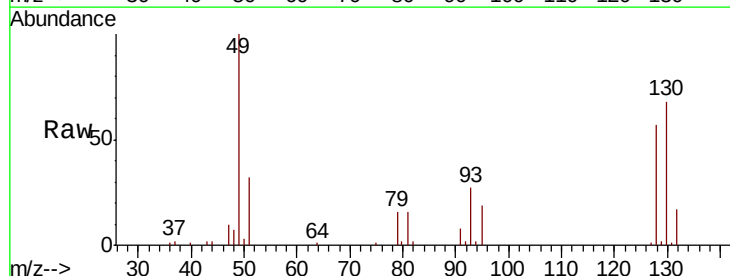
Tot Ion: 96 Resp: 40703
 Ion Ratio Lower Upper
 96 100
 61 135.8 99.7 185.1
 68 0.0 0.0 0.0

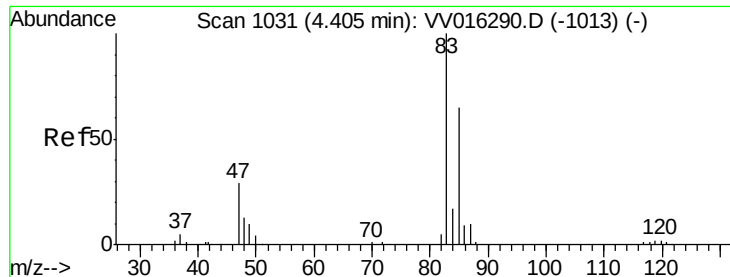


#23

Bromochloromethane
 Concen: 4.863 ug/L
 RT: 4.28 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion: 128 Resp: 16306
 Ion Ratio Lower Upper
 128 100
 49 176.9 125.5 233.1
 130 120.5 83.0 154.2
 51 57.3 42.9 64.3

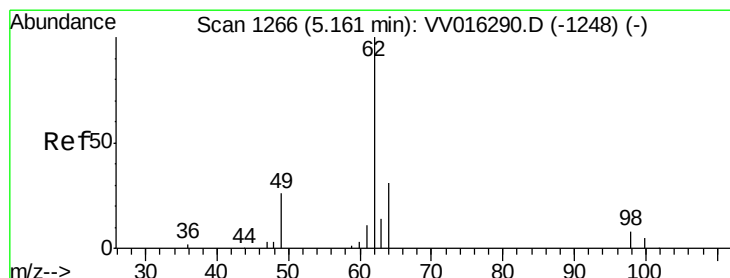
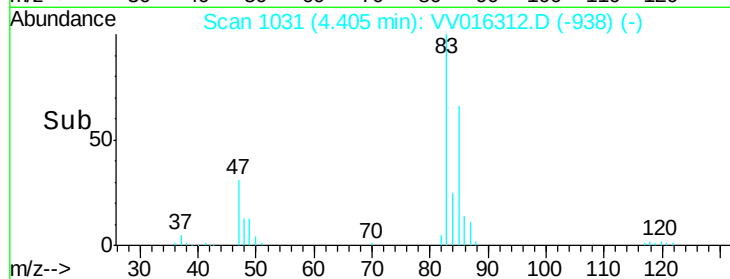
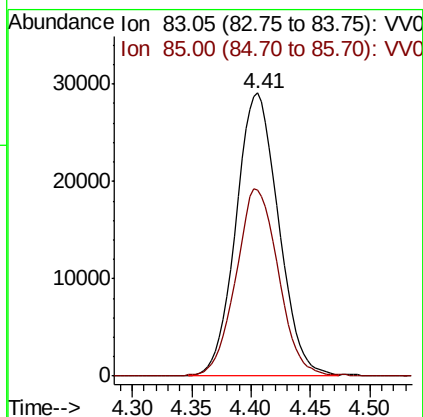
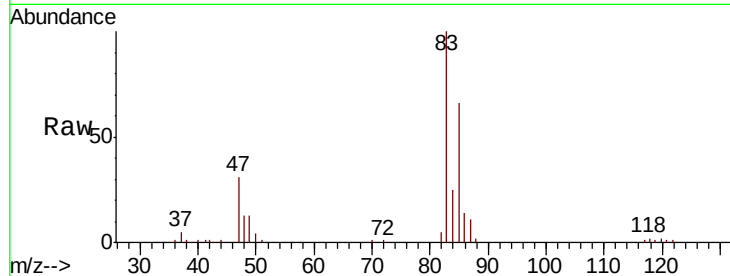




#25
Chloroform
Concen: 4.799 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

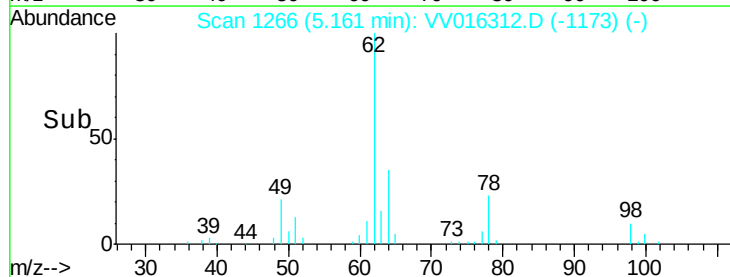
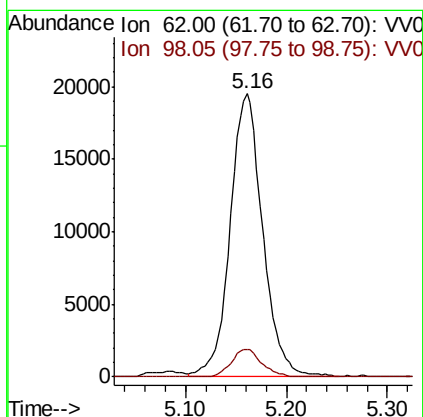
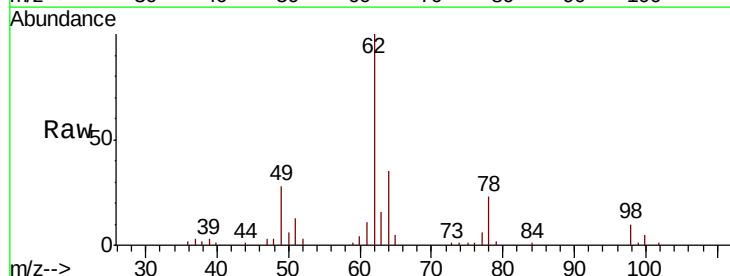
Instrument :
MSVOA_V
ClientSampleId :

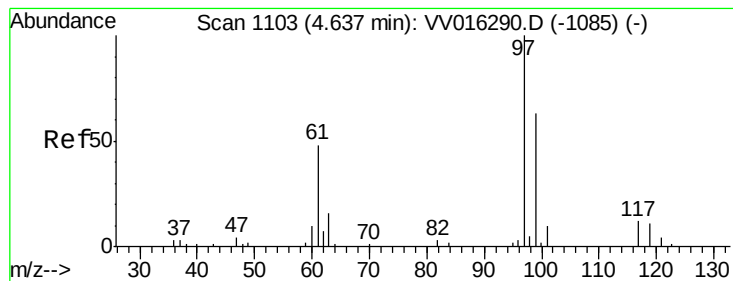
Tot Ion: 83 Resp: 72064
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7



#27
1,2-Dichloroethane
Concen: 4.460 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Tgt Ion: 62 Resp: 43781
Ion Ratio Lower Upper
62 100
98 9.7 5.7 8.5#





#29

1,1,1-Trichloroethane

Concen: 4.719 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

ClientSampleId :

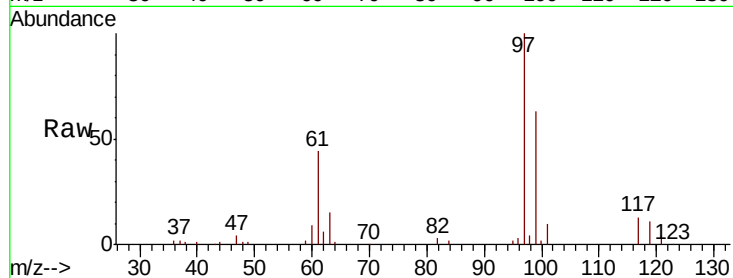
Tot Ion: 97 Resp: 61904

Ion Ratio Lower Upper

97 100

99 63.9 51.2 76.8

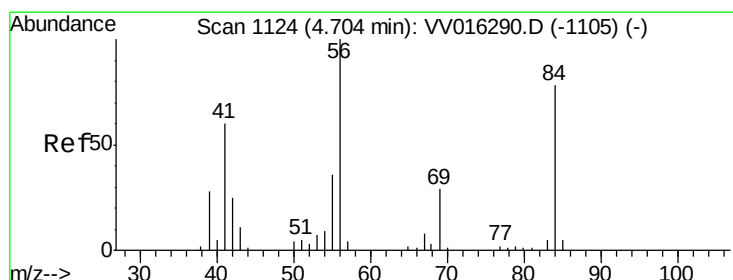
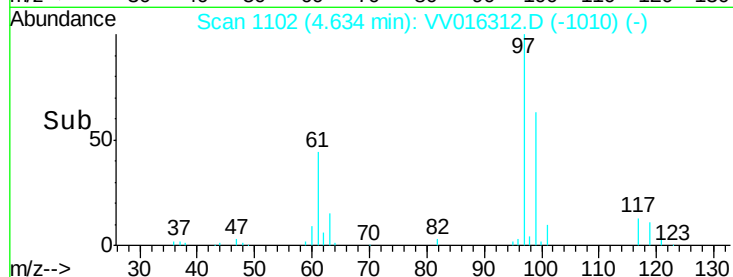
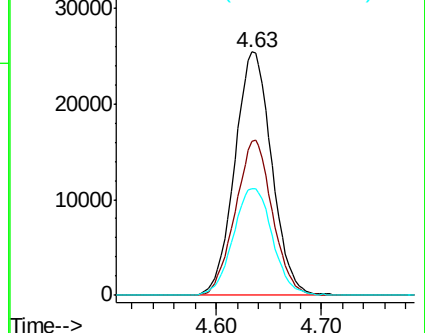
61 46.5 38.6 57.8



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.791 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

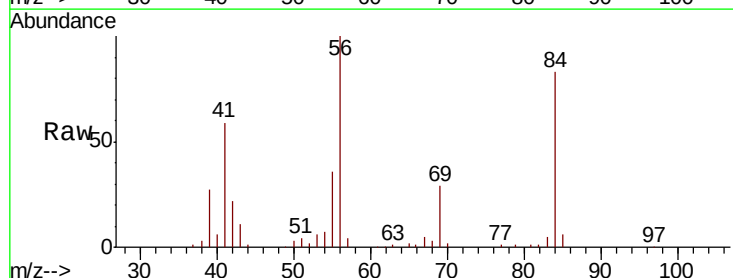
Tgt Ion: 56 Resp: 67348

Ion Ratio Lower Upper

56 100

69 30.2 24.6 36.8

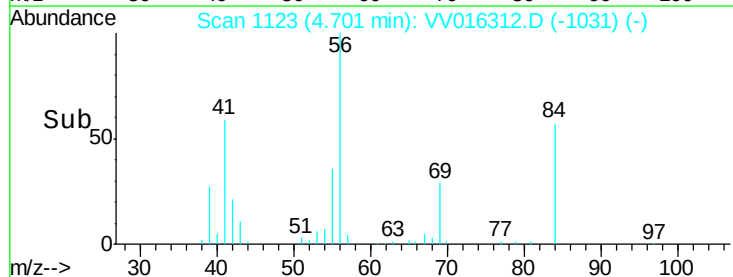
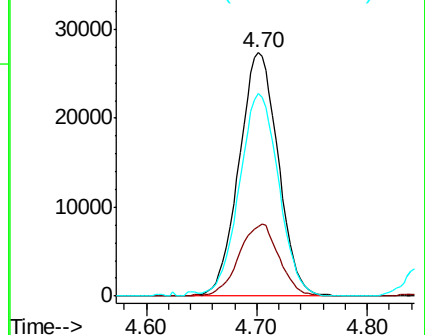
84 83.6 67.1 100.7

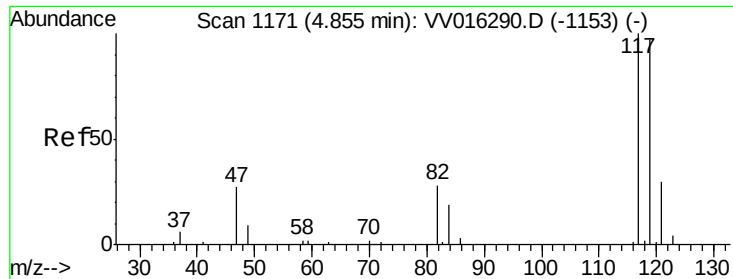


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.615 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

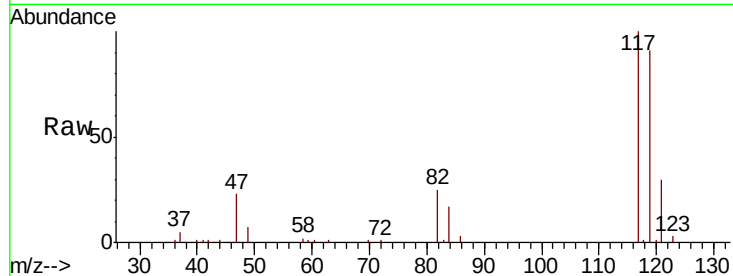
ClientSampleId :

Tot Ion:117 Resp: 51294

Ion Ratio Lower Upper

117 100

119 94.2 75.2 112.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

25000

20000

15000

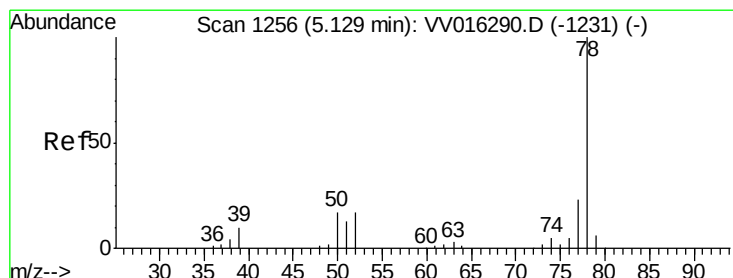
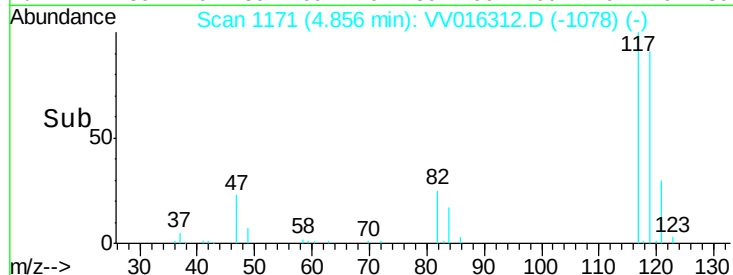
10000

5000

0

Time-->

4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 4.769 ug/L

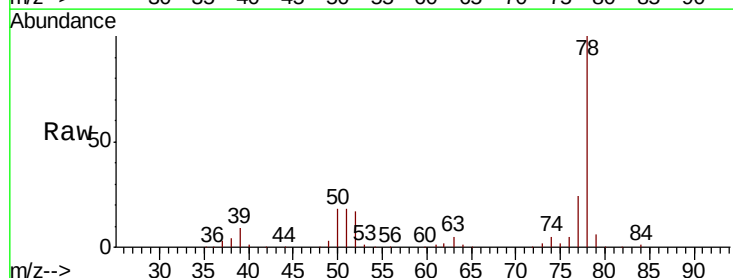
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Tgt Ion: 78 Resp: 151683



Abundance Ion 78.10 (77.80 to 78.80): VV0

80000

60000

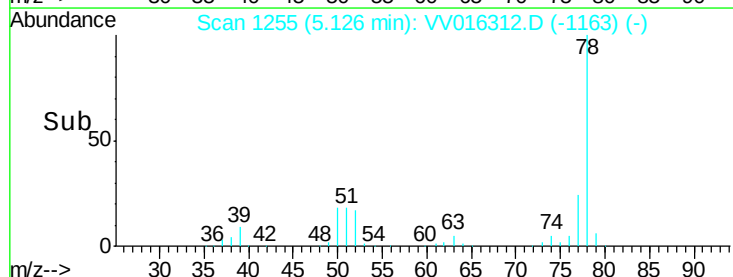
40000

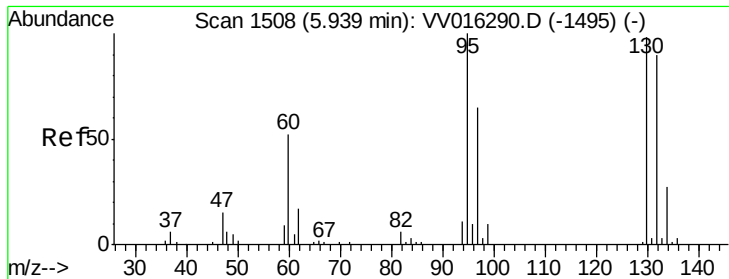
20000

0

Time-->

5.00 5.10 5.20





#34

Trichloroethene

Concen: 4.832 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 40036

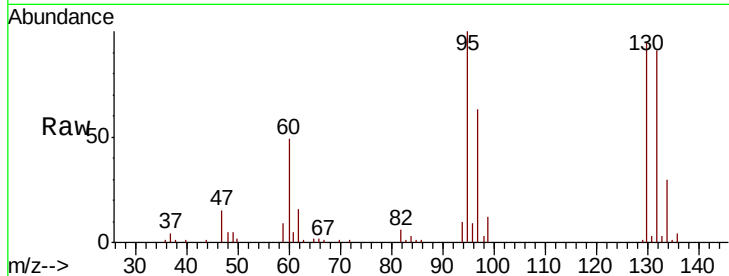
Ion Ratio Lower Upper

95 100

97 63.5 43.6 81.0

132 91.3 63.9 118.7

130 95.4 65.2 121.0

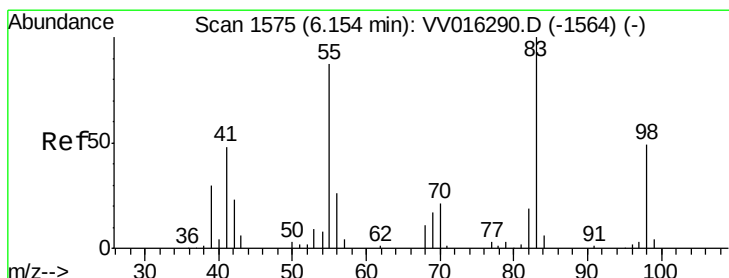
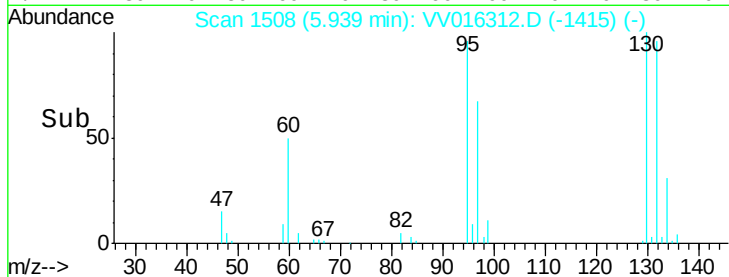
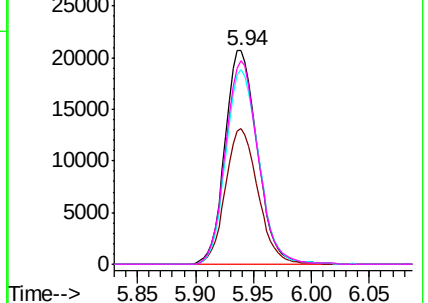


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.627 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

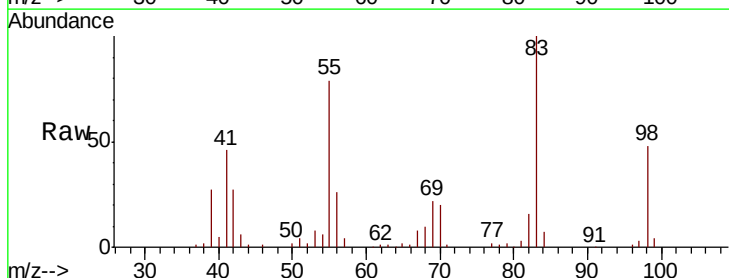
Tgt Ion: 83 Resp: 64653

Ion Ratio Lower Upper

83 100

55 80.0 65.4 98.0

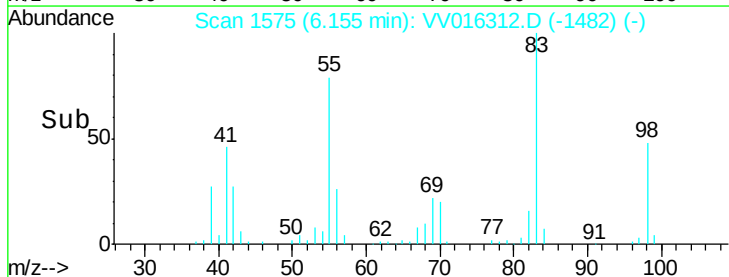
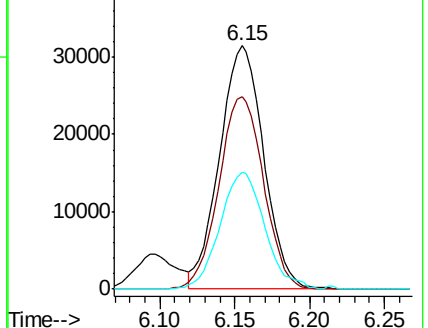
98 48.5 39.3 58.9

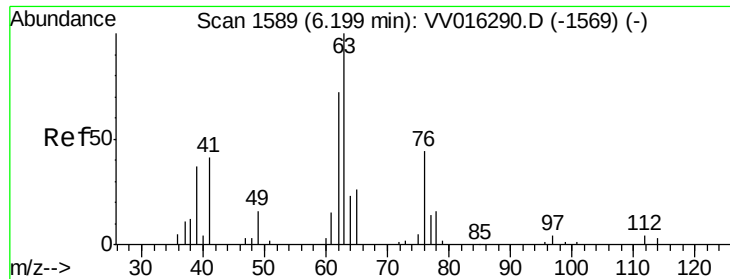


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

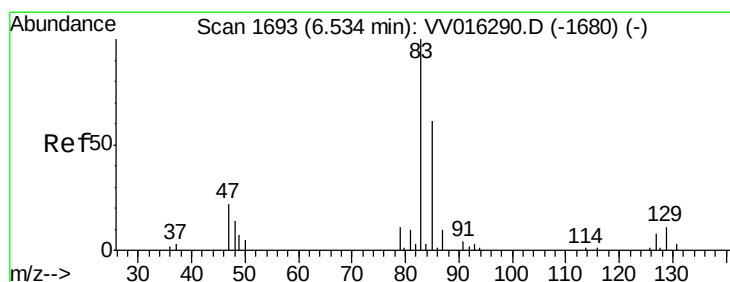
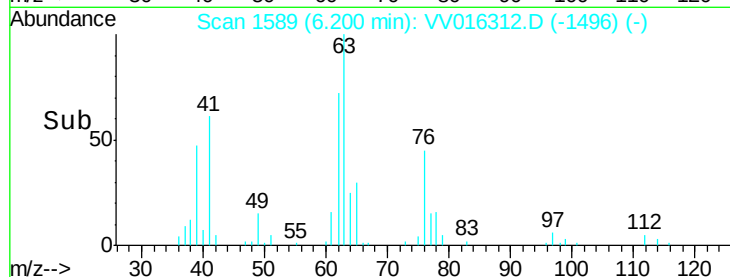
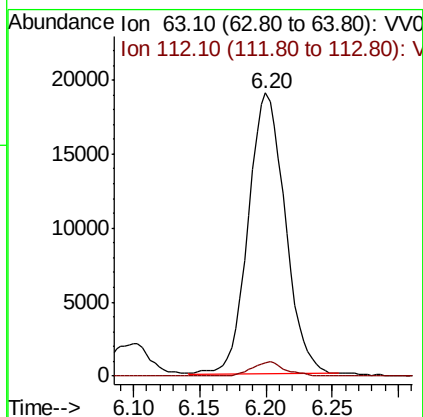
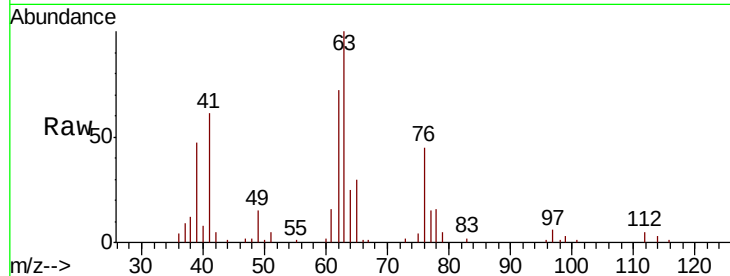




#37
 1,2-Dichloropropane
 Concen: 4.734 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

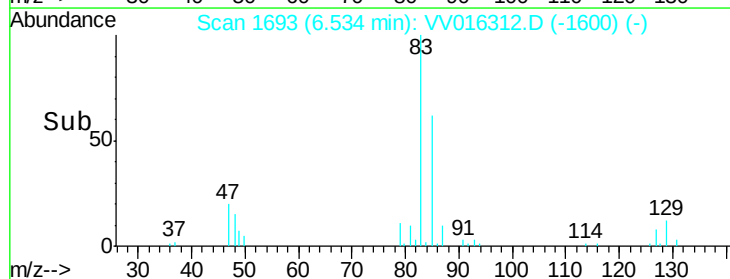
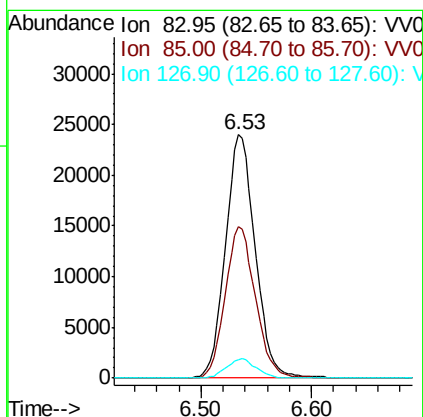
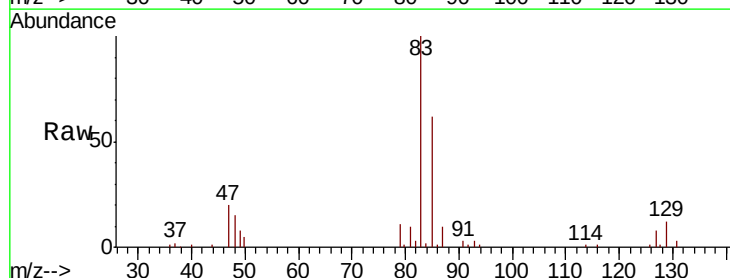
Instrument :
 MSVOA_V
 ClientSampleId :

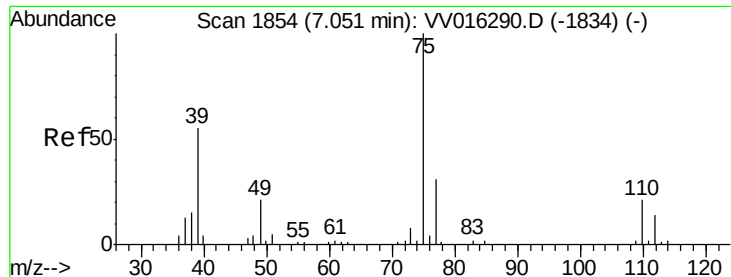
Tot Ion: 63 Resp: 36926
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.675 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion: 83 Resp: 44870
 Ion Ratio Lower Upper
 83 100
 85 62.0 44.2 82.2
 127 7.5 7.1 10.7

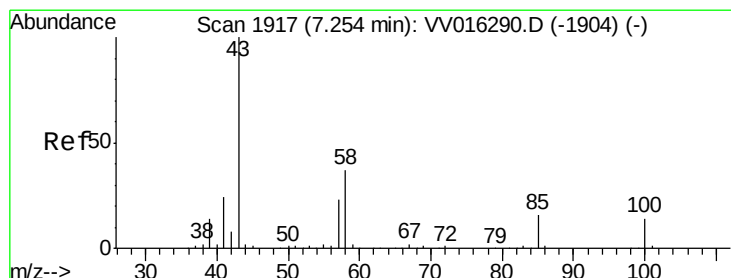
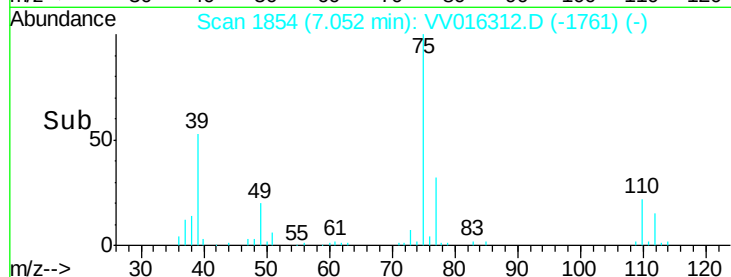
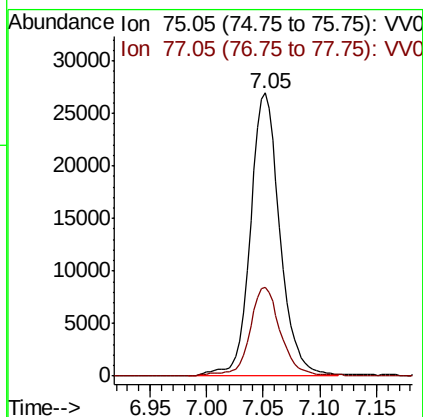
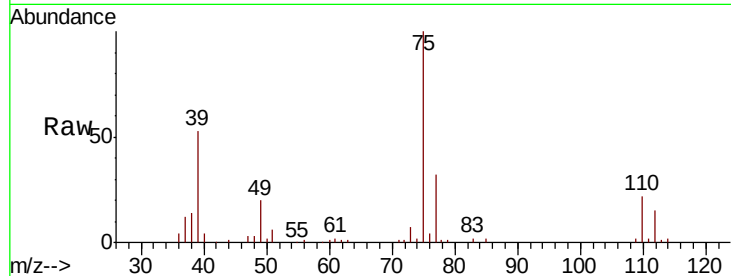




#39
 cis-1,3-Dichloropropene
 Concen: 4.423 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

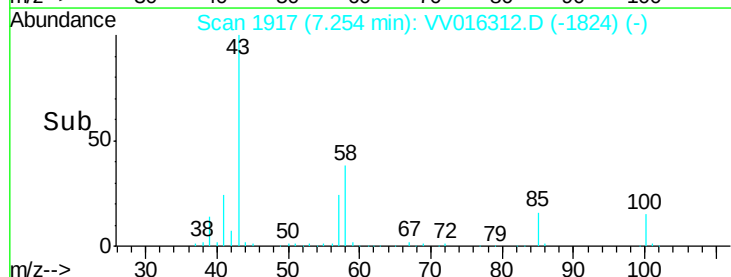
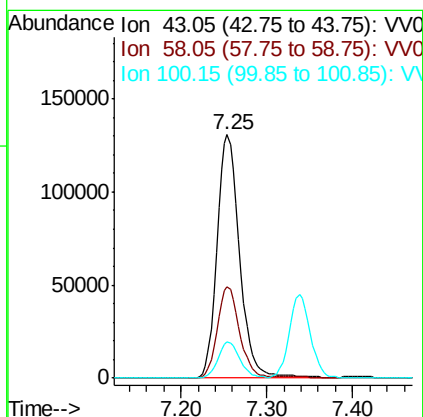
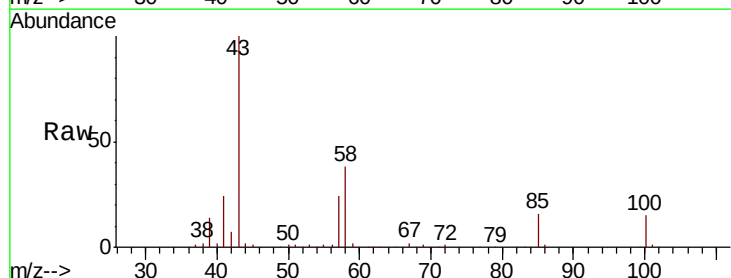
Instrument :
 MSVOA_V
 ClientSampleId :

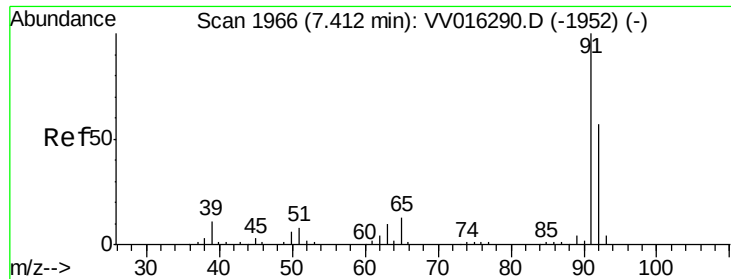
Tot Ion: 75 Resp: 48870
 Ion Ratio Lower Upper
 75 100
 77 31.5 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 49.319 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion: 43 Resp: 239359
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.5 44.3
 100 14.2 11.1 16.7





#42

Toluene

Concen: 4.795 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

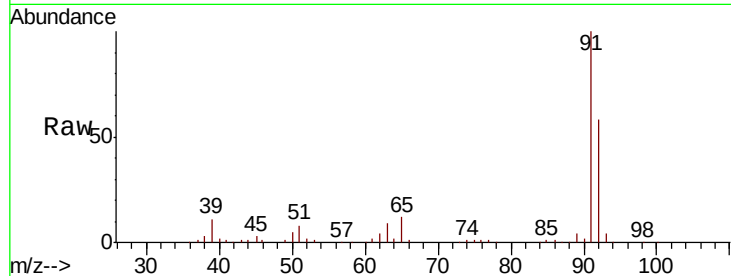
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 166322

Ion Ratio Lower Upper

91 100

92 57.9 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016290.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016290.D (-1952) (-)

7.41

100000

80000

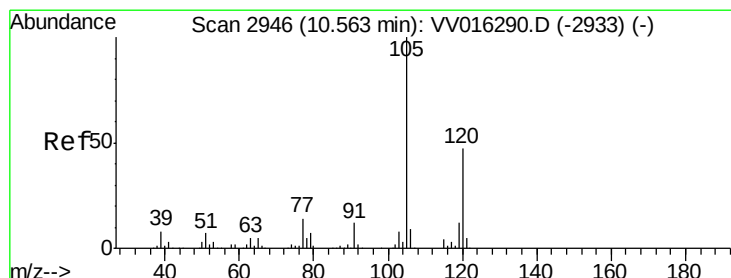
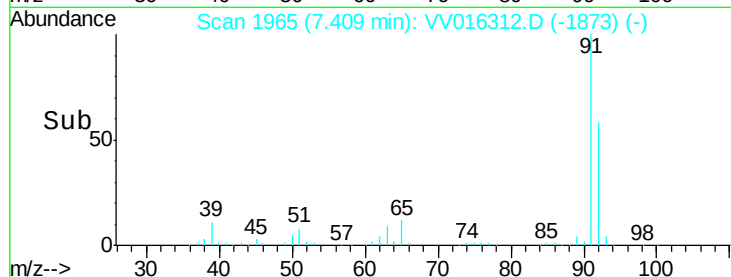
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.975 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV016312.D

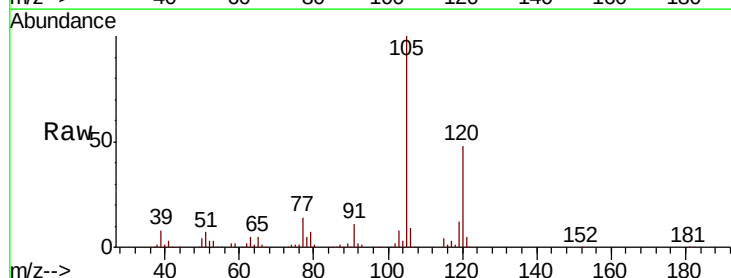
Acq: 29 May 2020 06:46

Tgt Ion:105 Resp: 157080

Ion Ratio Lower Upper

105 100

120 47.7 37.4 56.0



Abundance Ion 105.00 (104.70 to 105.70): VV016290.D (-2933) (-)

Ion 120.00 (119.70 to 120.70): VV016290.D (-2933) (-)

10.56

120000

100000

80000

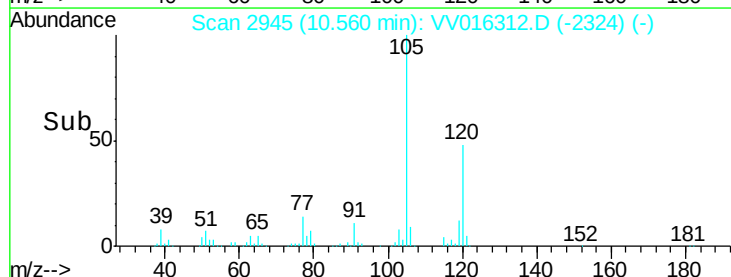
60000

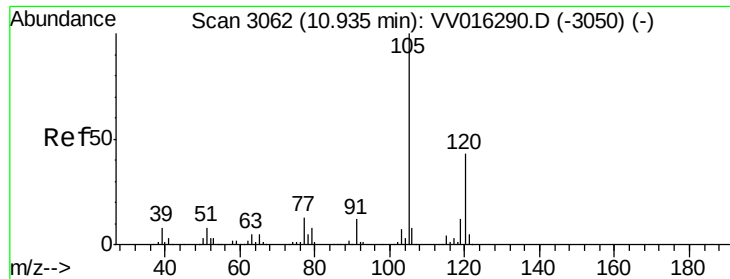
40000

20000

0

Time-->





#44

1,2,4-Trimethylbenzene

Concen: 4.887 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

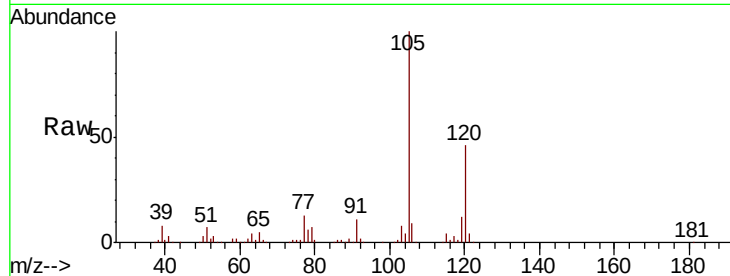
ClientSampleId :

Tot Ion:105 Resp: 158950

Ion Ratio Lower Upper

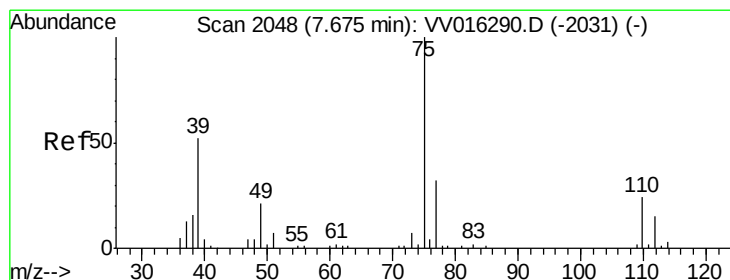
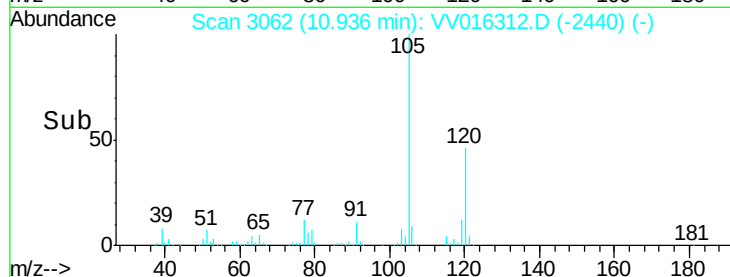
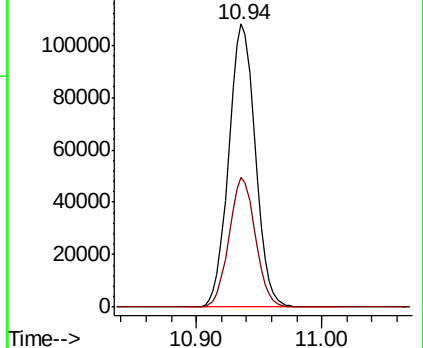
105 100

120 45.4 34.6 52.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 4.365 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV016312.D

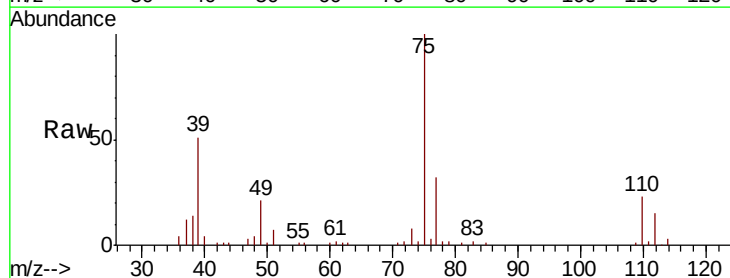
Acq: 29 May 2020 06:46

Tgt Ion: 75 Resp: 40067

Ion Ratio Lower Upper

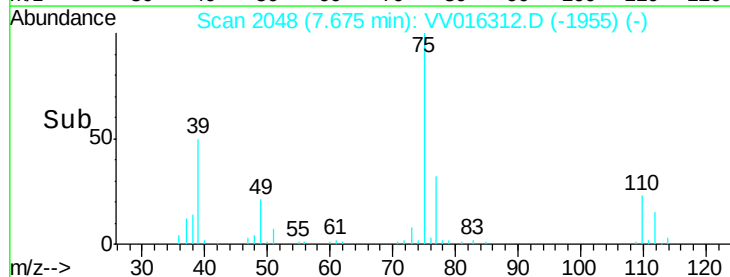
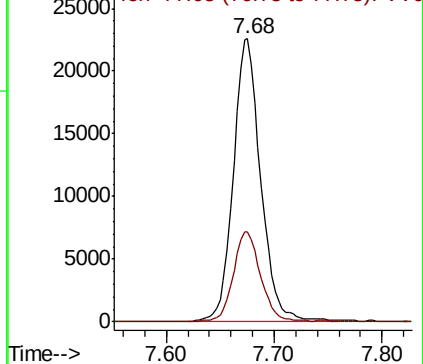
75 100

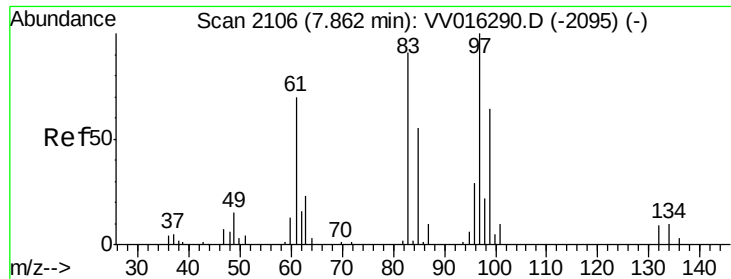
77 31.8 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

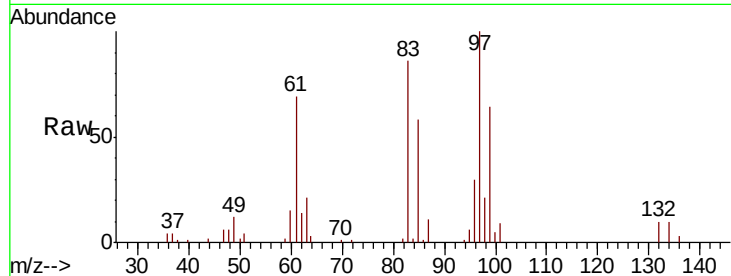




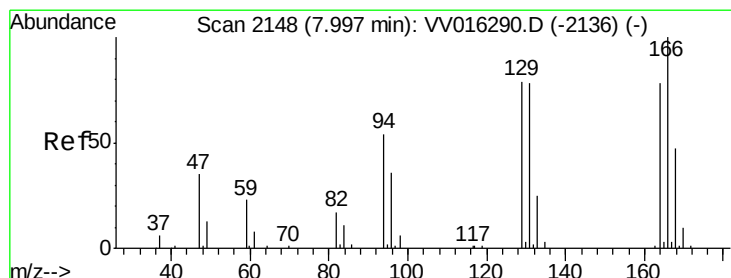
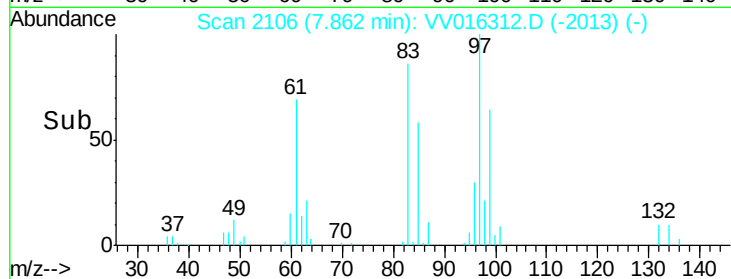
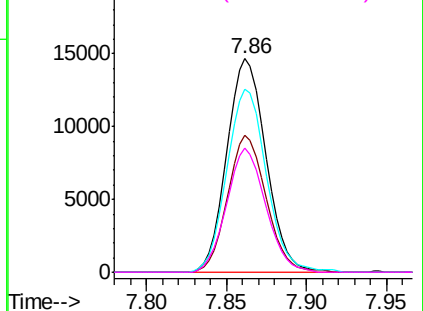
#47
 1,1,2-Trichloroethane
 Concen: 4.763 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	24439
Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.8	75.8
83	85.8	60.0	111.4
85	58.0	39.3	73.1

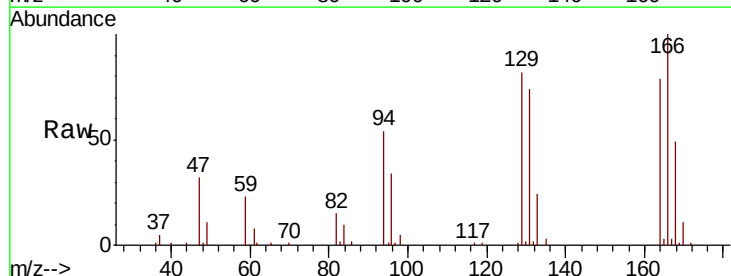


Abundance Ion 96.95 (96.65 to 97.65): VV016312.D (-2013) (-)

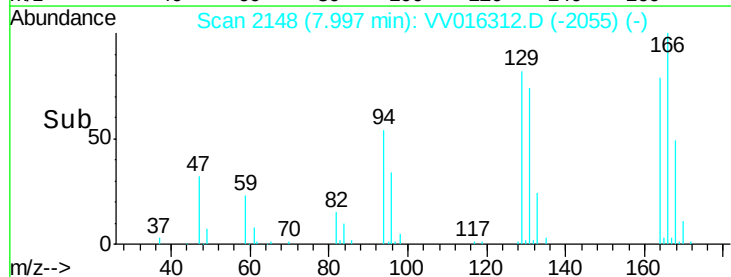
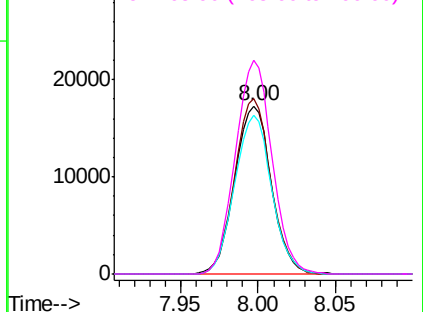


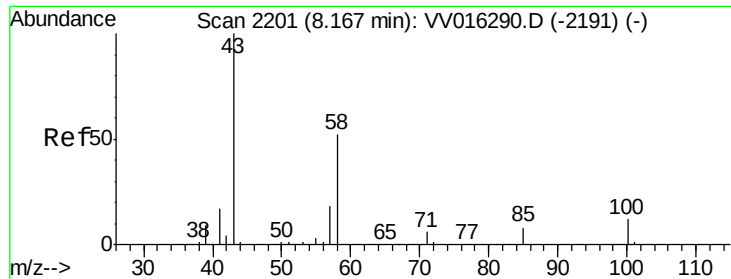
#49
 Tetrachloroethene
 Concen: 4.784 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion:	164	Resp:	28455
Ion	Ratio	Lower	Upper
164	100		
129	104.2	70.7	131.3
131	94.8	66.6	123.8
166	127.4	86.9	161.5



Abundance Ion 163.90 (163.60 to 164.60): VV016312.D (-2055) (-)

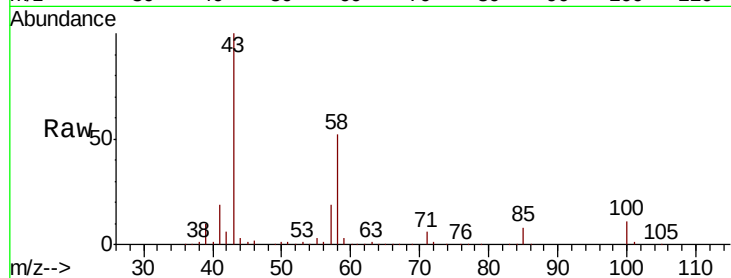




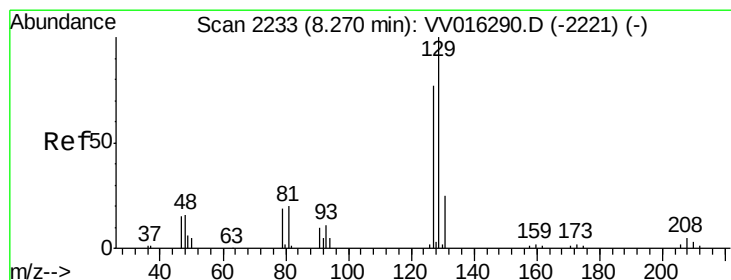
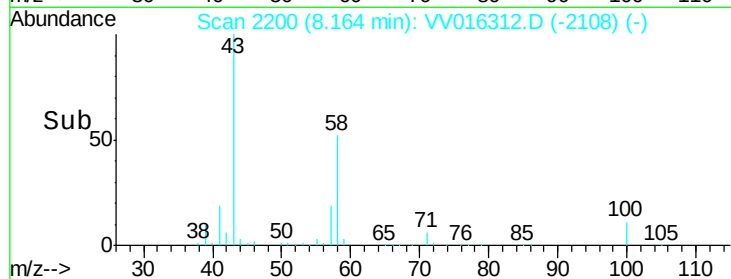
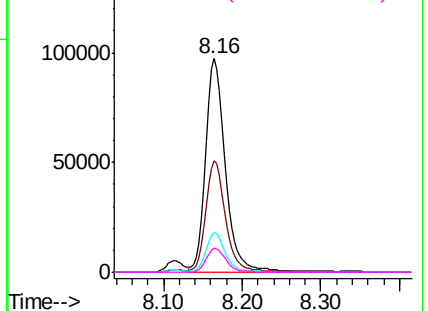
#50
2-Hexanone
Concen: 49.580 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 167808
Ion Ratio Lower Upper
43 100
58 51.0 41.4 62.0
57 18.1 15.0 22.4
100 11.3 9.0 13.4

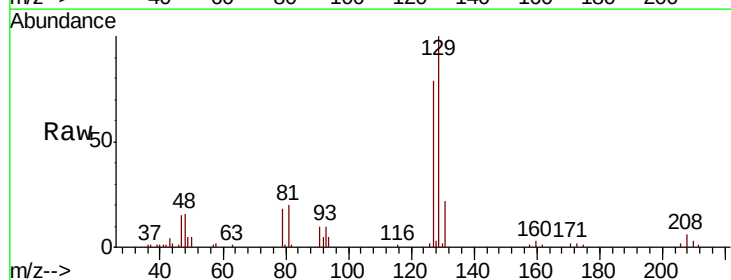


Abundance Ion 43.05 (42.75 to 43.75): VV016312.D (-2191) (-)
Ion 58.05 (57.75 to 58.75): VV016312.D (-2191) (-)
Ion 57.20 (56.90 to 57.90): VV016312.D (-2191) (-)
Ion 100.15 (99.85 to 100.85): VV016312.D (-2191) (-)

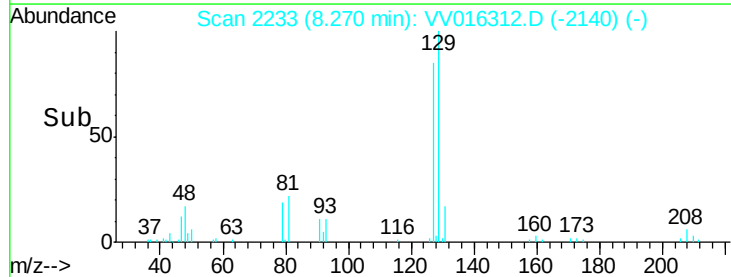
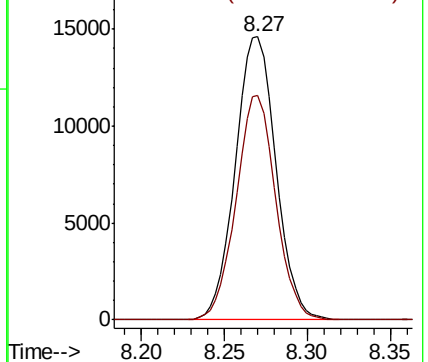


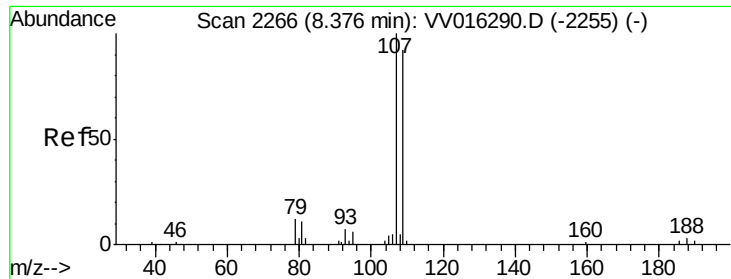
#51
Dibromochloromethane
Concen: 4.590 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Tgt Ion: 129 Resp: 24943
Ion Ratio Lower Upper
129 100
127 79.2 55.2 102.4



Abundance Ion 128.95 (128.65 to 129.65): VV016312.D (-2221) (-)
Ion 126.90 (126.60 to 127.60): VV016312.D (-2221) (-)

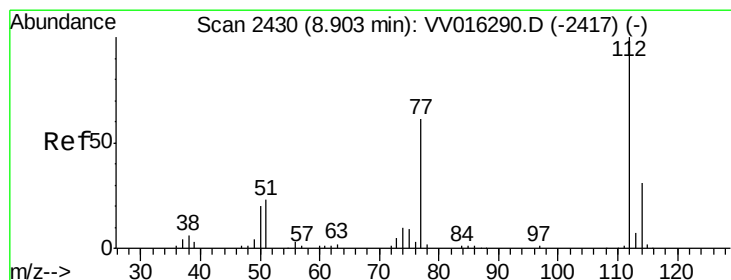
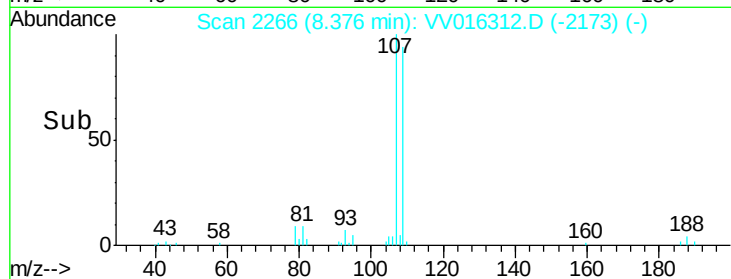
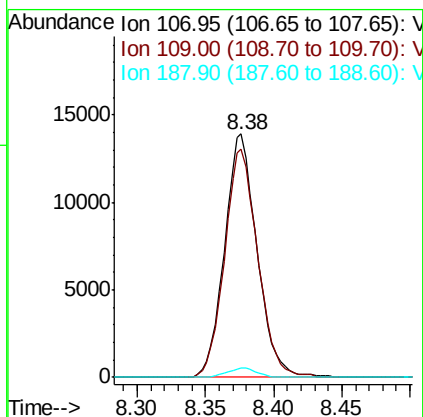
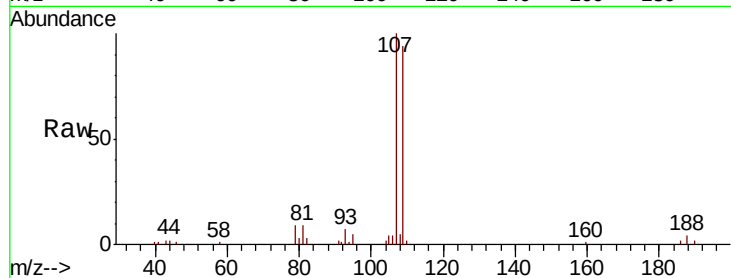




#52
 1,2-Dibromoethane
 Concen: 4.776 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

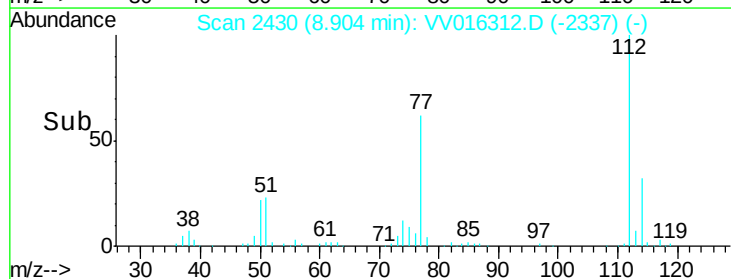
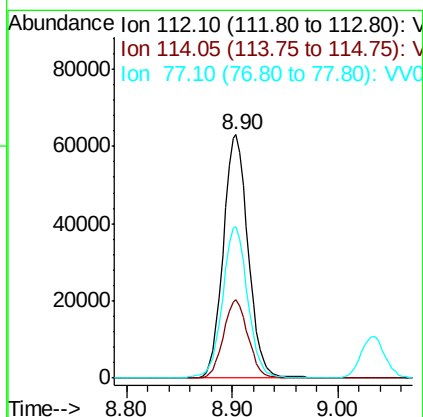
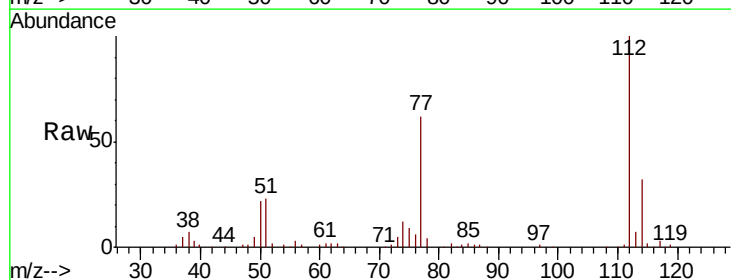
Instrument :
 MSVOA_V
 ClientSampleId :

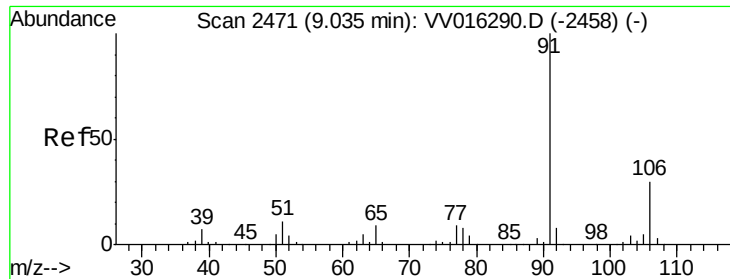
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	63.1	117.3
188	3.9	2.6	4.0



#53
 Chlorobenzene
 Concen: 4.804 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.3	41.3
77	62.2	50.7	76.1





#54

Ethylbenzene

Concen: 4.855 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

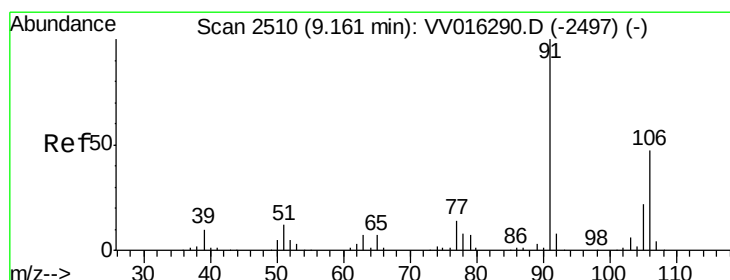
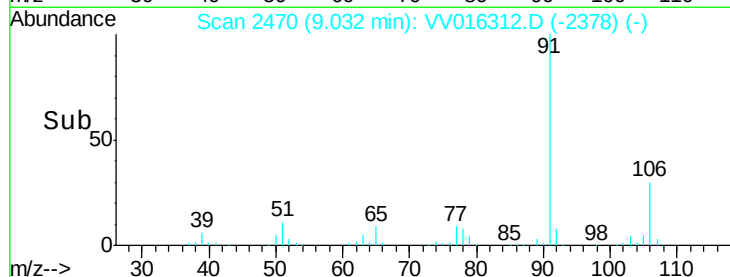
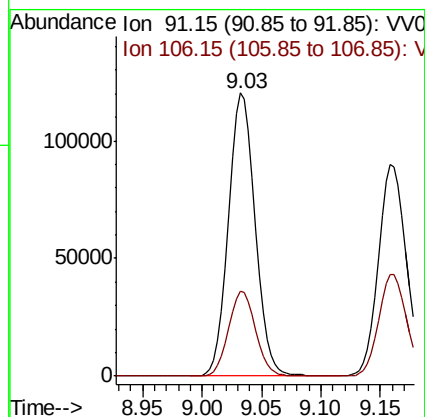
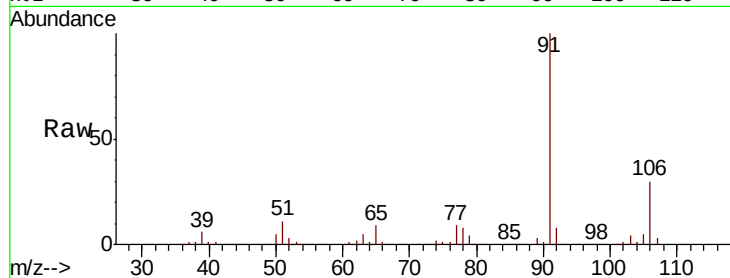
ClientSampleId :

Tot Ion: 91 Resp: 187702

Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



#55

m,p-xylene

Concen: 4.885 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016312.D

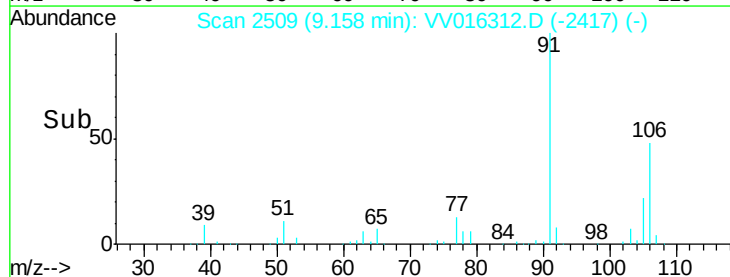
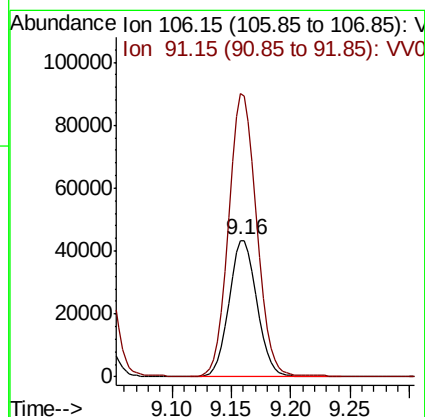
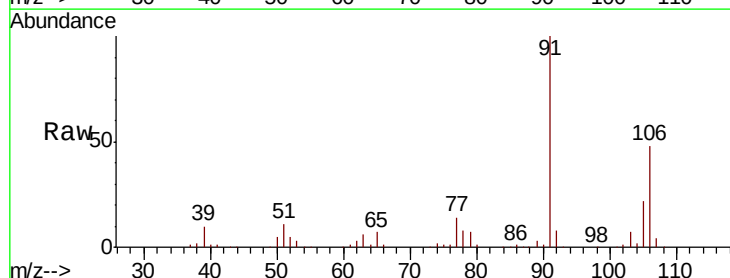
Acq: 29 May 2020 06:46

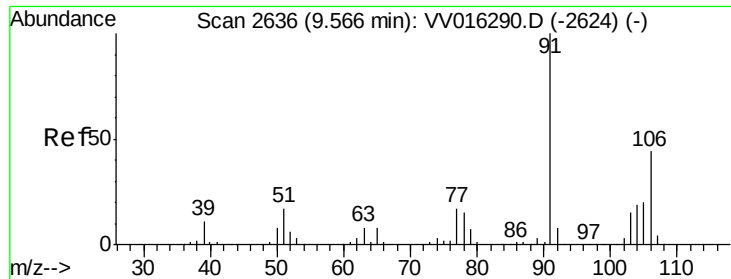
Tgt Ion: 106 Resp: 70813

Ion Ratio Lower Upper

106 100

91 207.1 148.1 275.0

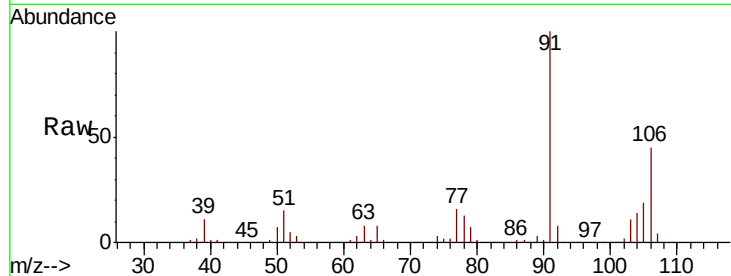




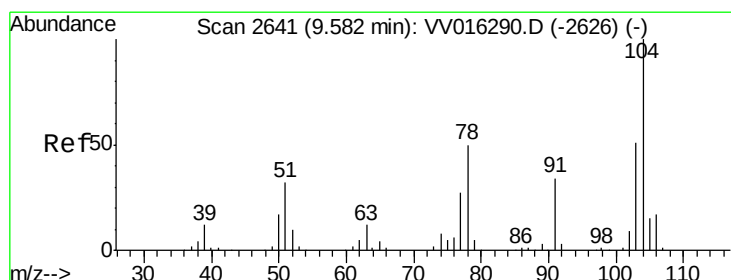
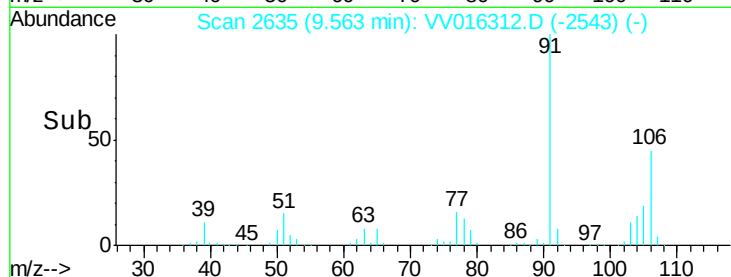
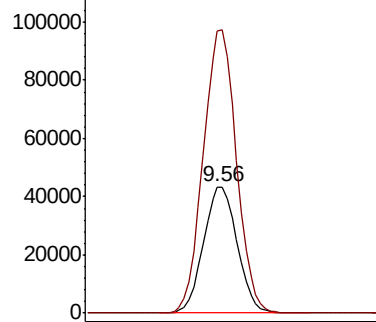
#56
o-xylene
Concen: 4.916 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 67918
Ion Ratio Lower Upper
106 100
91 224.3 158.8 294.8

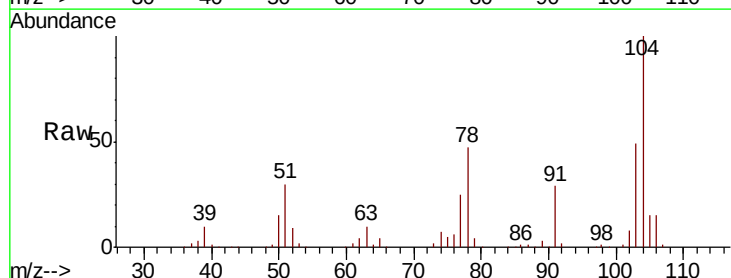


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

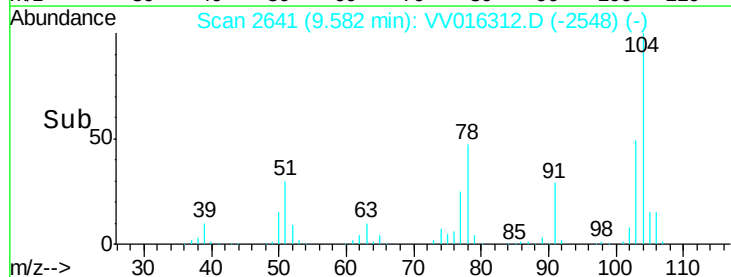
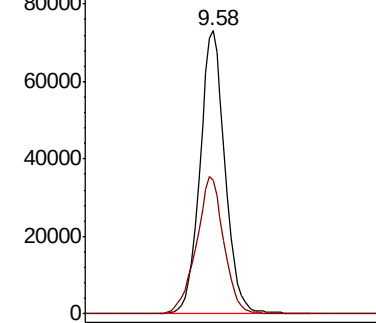


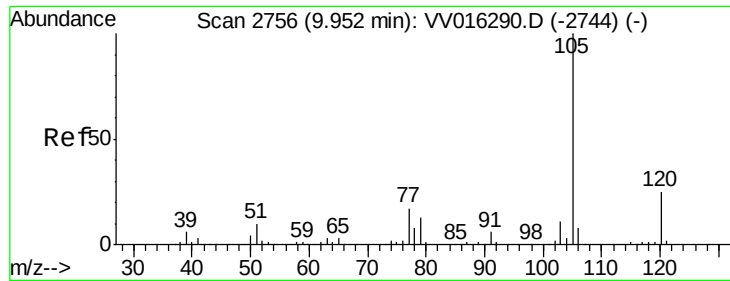
#57
Styrene
Concen: 5.018 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV016312.D
Acq: 29 May 2020 06:46

Tgt Ion:104 Resp: 115375
Ion Ratio Lower Upper
104 100
78 47.4 33.2 61.7



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.915 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :
MSVOA_V
ClientSampleId :

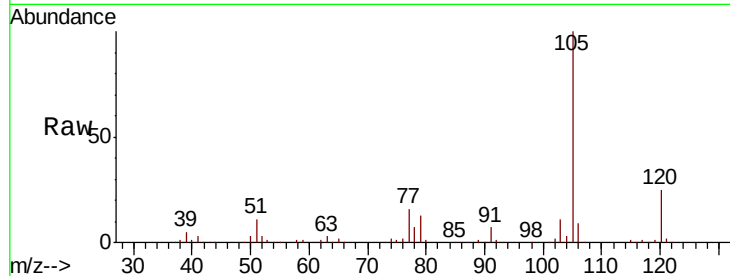
Tot Ion:105 Resp: 185990

Ion Ratio Lower Upper

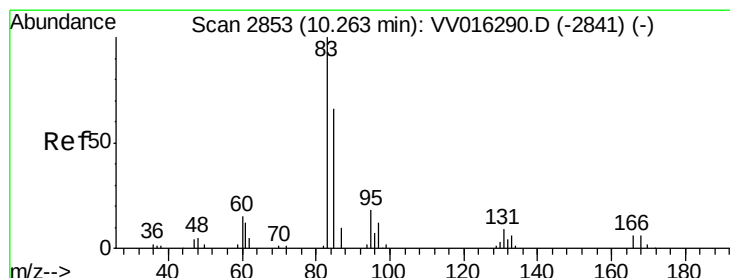
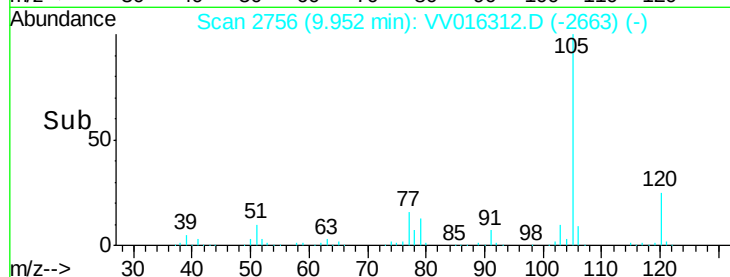
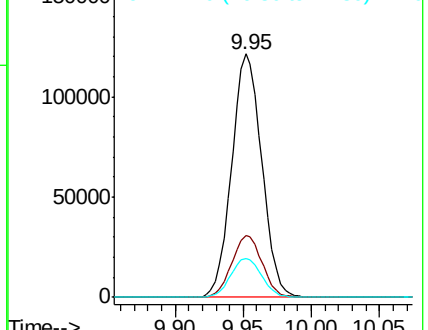
105 100

120 25.5 20.9 31.3

77 16.6 13.9 20.9



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 4.716 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

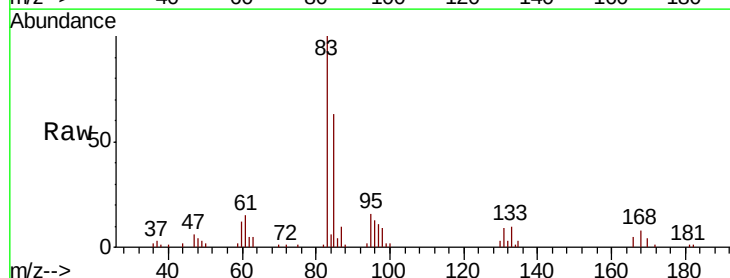
Tgt Ion: 83 Resp: 30080

Ion Ratio Lower Upper

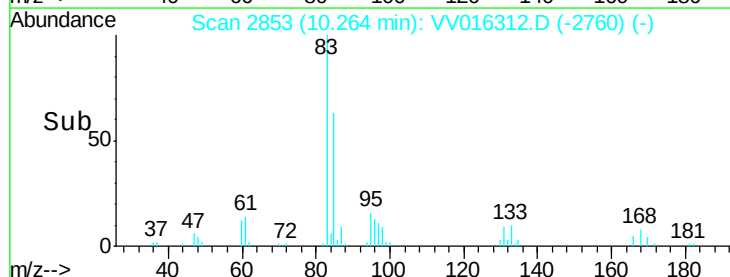
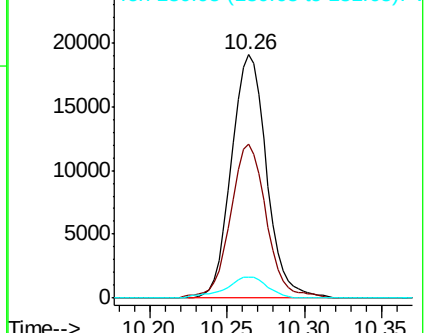
83 100

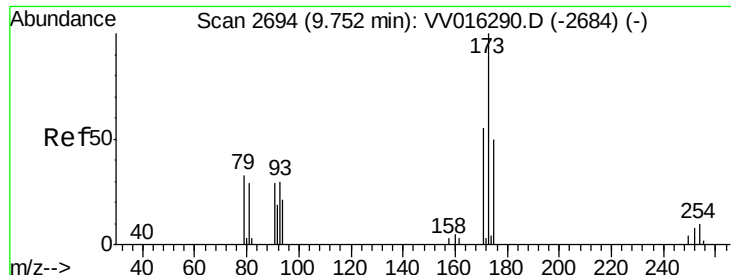
85 63.1 45.6 84.8

131 8.7 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.522 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Instrument :
MSVOA_V
ClientSampleId :

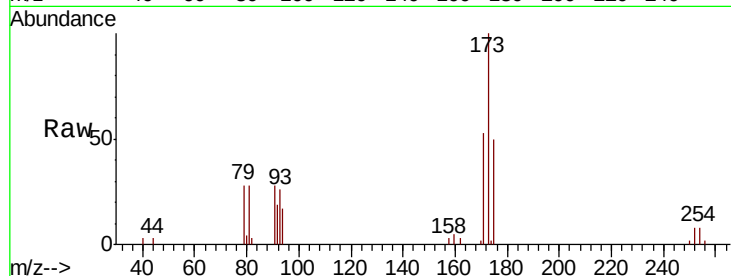
Tot Ion:173 Resp: 10569

Ion Ratio Lower Upper

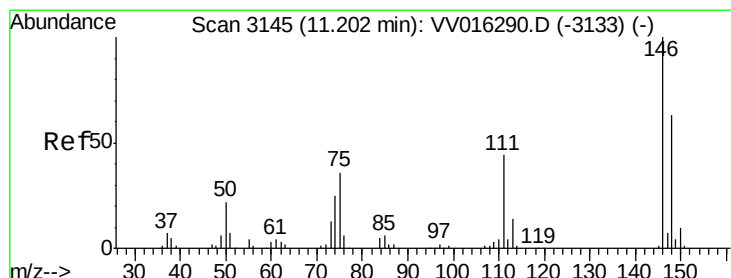
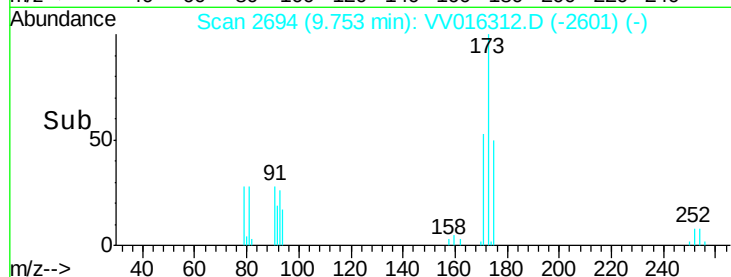
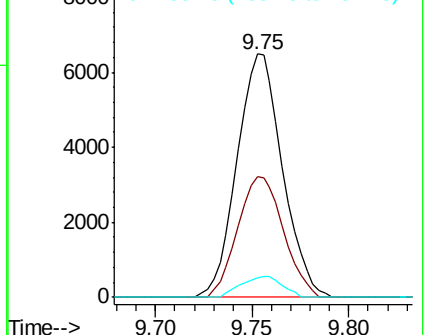
173 100

175 49.9 38.6 58.0

254 7.8 6.6 9.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.897 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

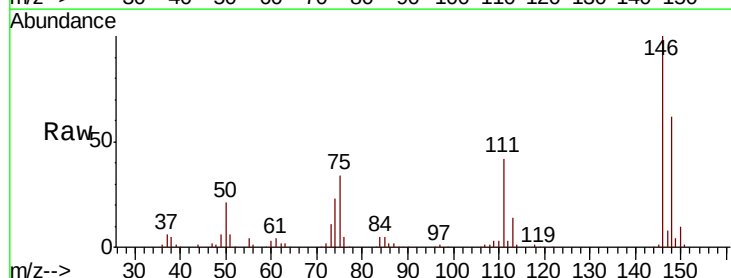
Tgt Ion:146 Resp: 81234

Ion Ratio Lower Upper

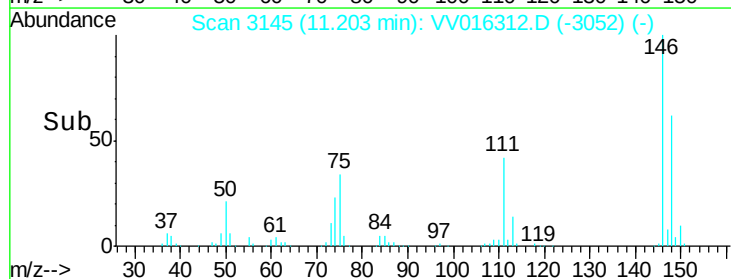
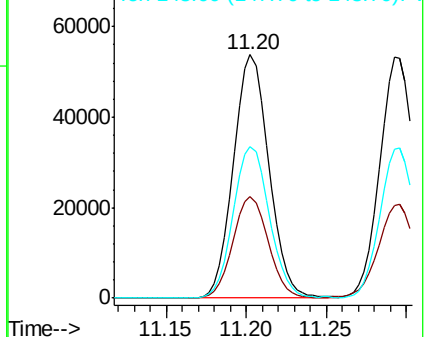
146 100

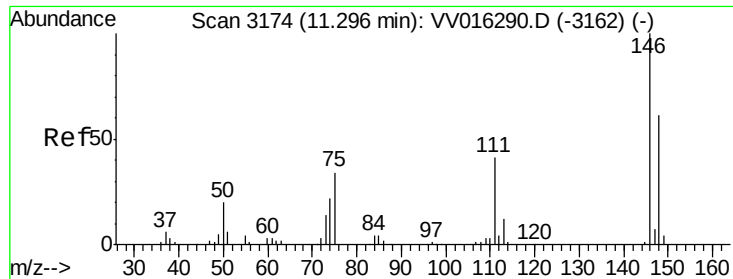
111 41.6 29.7 55.1

148 62.5 45.9 85.3



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.870 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV016312.D

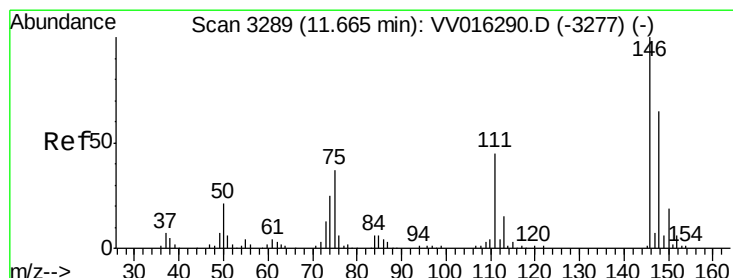
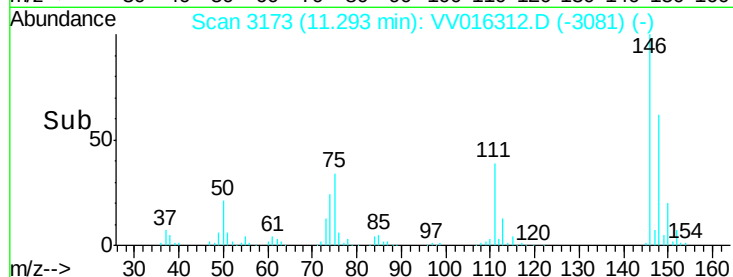
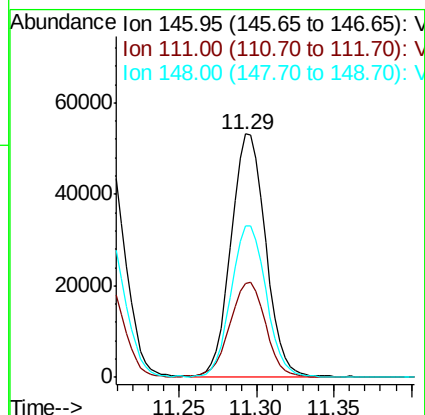
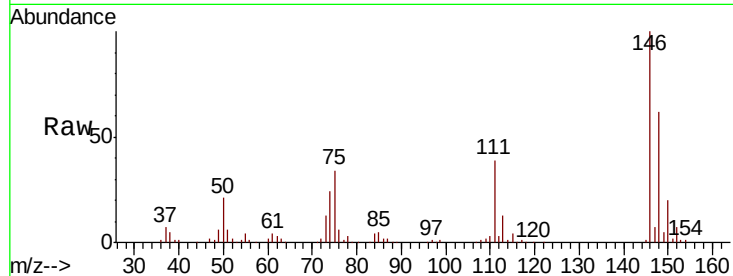
Acq: 29 May 2020 06:46

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:146	Resp:	82086
Ion Ratio	Lower	Upper
146	100	
111	38.7	28.3 52.7
148	62.1	43.3 80.3



#66

1,2-Dichlorobenzene

Concen: 4.876 ug/L

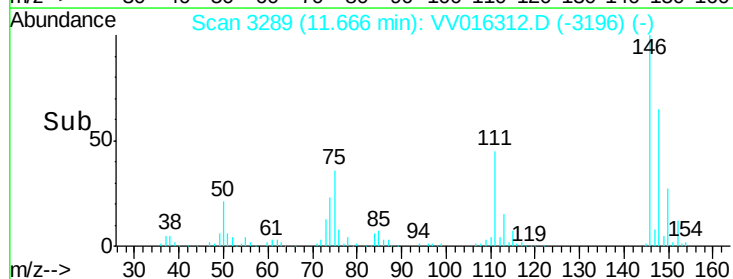
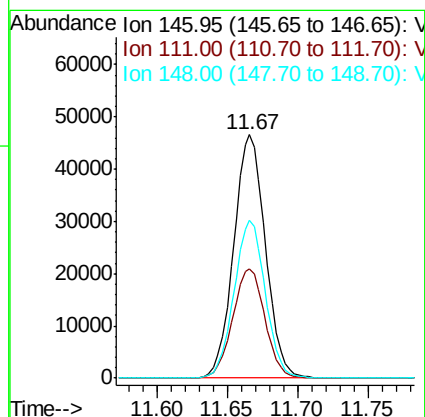
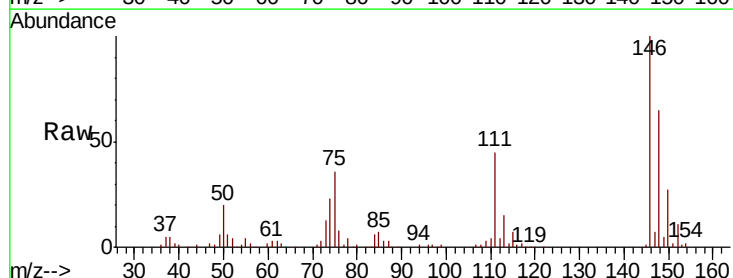
RT: 11.67 min Scan# 3289

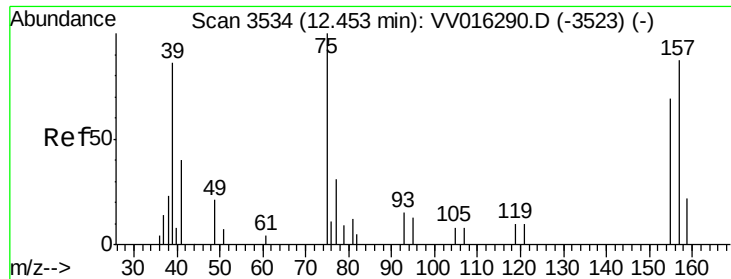
Delta R.T. 0.00 min

Lab File: VV016312.D

Acq: 29 May 2020 06:46

Tgt Ion:146	Resp:	73107
Ion Ratio	Lower	Upper
146	100	
111	45.0	35.7 53.5
148	64.7	51.3 76.9

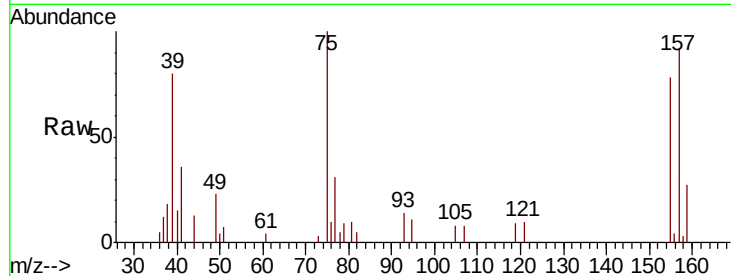




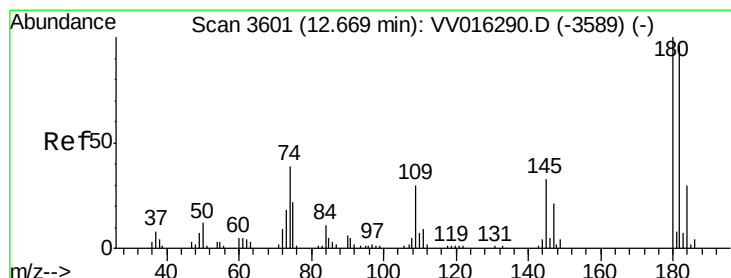
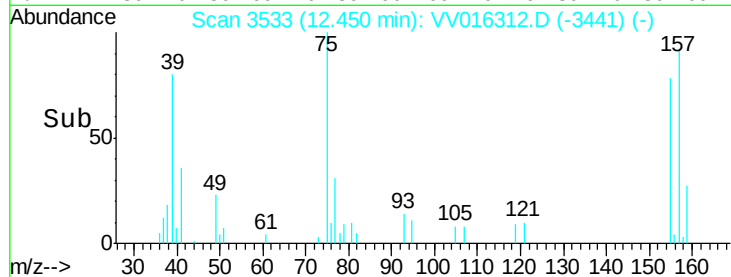
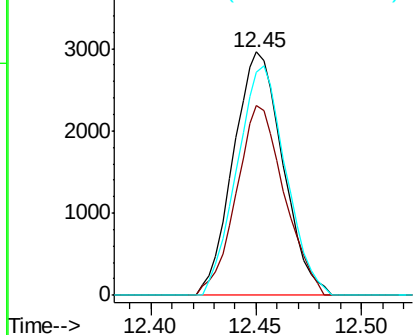
#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.762 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 75 Resp: 4823
 Ion Ratio Lower Upper
 75 100
 155 78.2 56.2 84.4
 157 91.6 71.9 107.9

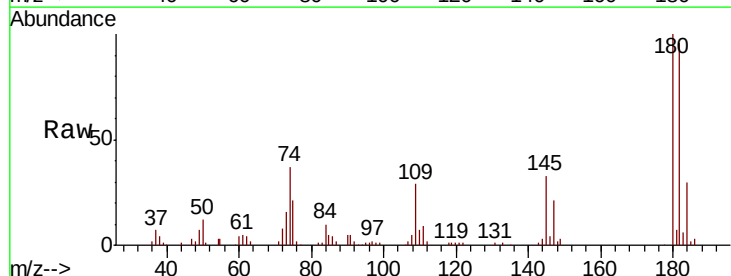


Abundance Ion 75.05 (74.75 to 75.75): VV016312.D (-3441) (-)
 Ion 154.95 (154.65 to 155.65): VV016312.D (-3441) (-)
 Ion 156.90 (156.60 to 157.60): VV016312.D (-3441) (-)

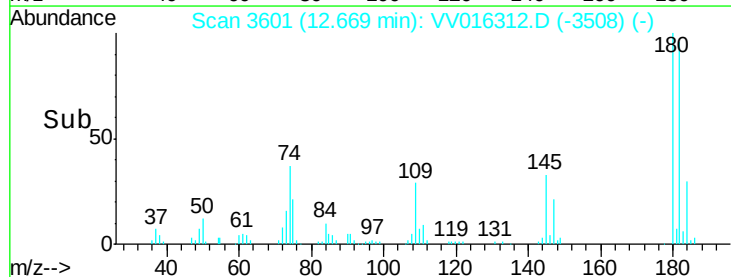
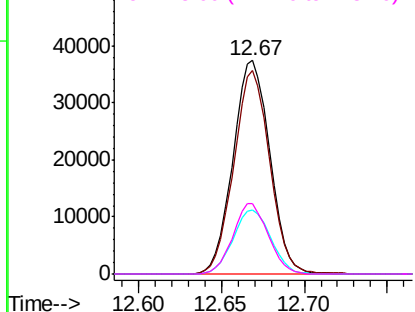


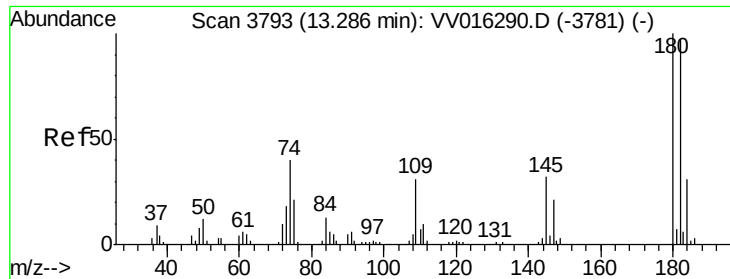
#68
 1,3,5-Trichlorobenzene
 Concen: 4.925 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion: 180 Resp: 57812
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.1 115.7
 184 30.5 25.0 37.4
 145 31.6 26.3 39.5



Abundance Ion 180.00 (179.70 to 180.70): VV016312.D (-3508) (-)
 Ion 182.00 (181.70 to 182.70): VV016312.D (-3508) (-)
 Ion 184.00 (183.70 to 184.70): VV016312.D (-3508) (-)
 Ion 145.00 (144.70 to 145.70): VV016312.D (-3508) (-)

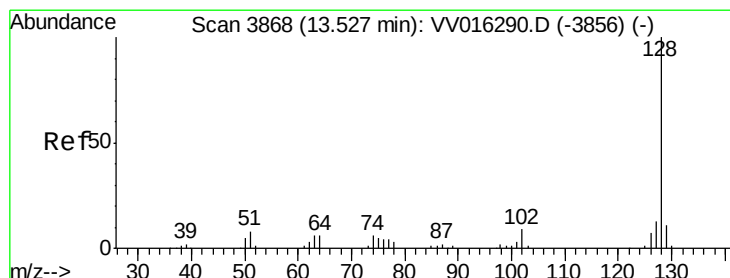
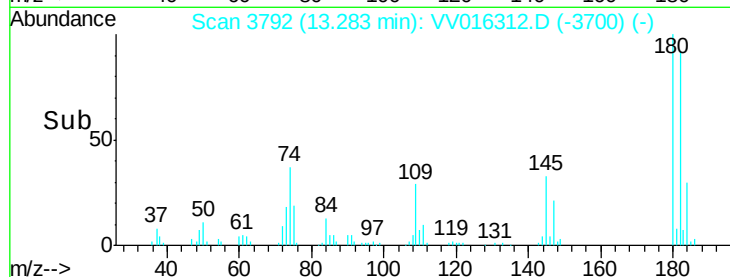
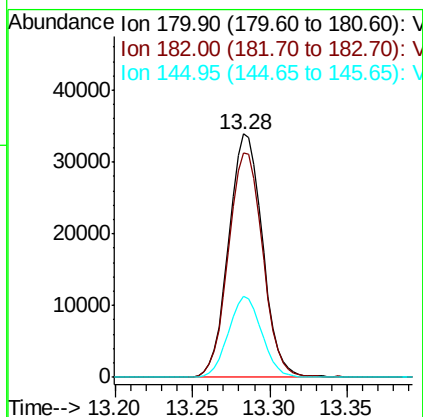
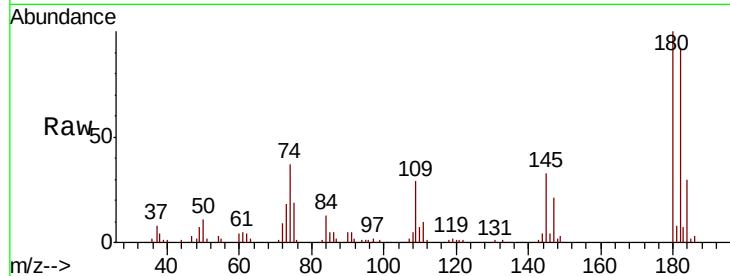




#69
 1,2,4-trichlorobenzene
 Concen: 4.996 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

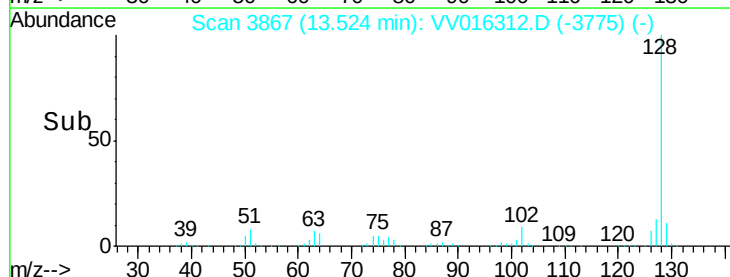
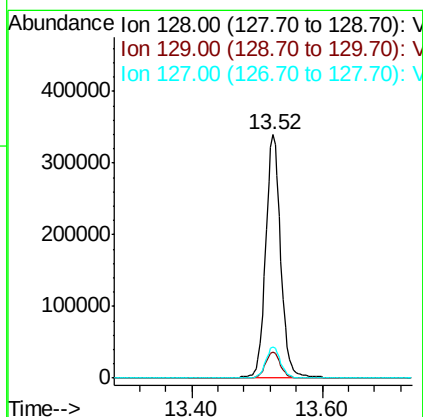
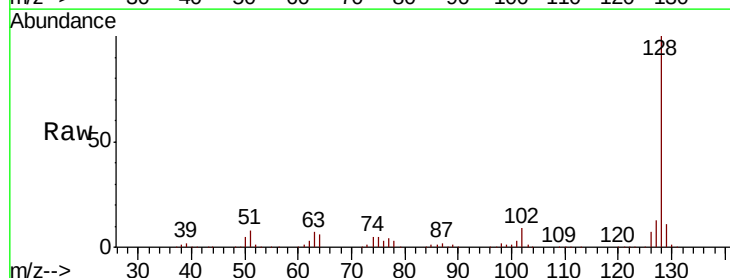
Instrument :
 MSVOA_V
 ClientSampleId :

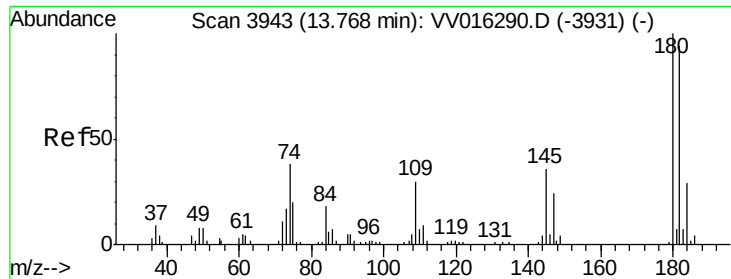
Tot Ion:180 Resp: 51496
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.0 112.4
 145 32.5 27.1 40.7



#70
 Naphthalene
 Concen: 24.103 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Tgt Ion:128 Resp: 542779
 Ion Ratio Lower Upper
 128 100
 129 10.9 8.6 13.0
 127 12.9 10.6 15.8

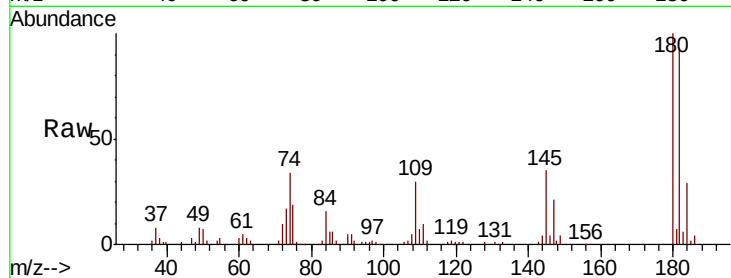




#71
 1,2,3-Trichlorobenzene
 Concen: 5.025 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016312.D
 Acq: 29 May 2020 06:46

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 46712
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.1 115.7
 145 35.6 28.6 42.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

