

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015741.D
 Acq On : 27 Apr 2020 19:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:22:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	134769	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130714	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	65782	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28347	4.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.60%
7) Chloroethane-d5	1.58	69	28525	4.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.00%
11) 1,1-Dichloroethene-d2	2.12	63	70573	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.60%
20) 2-Butanone-d5	3.93	46	119209	52.71	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.42%
24) Chloroform-d	4.38	84	78408	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.06	65	45649	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.08	84	145392	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.10	67	46974	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.34	98	139565	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.64	79	16794	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.11	63	92509	49.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.42%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	37078	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	53958	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	57491	4.981	ug/L 100
3) Chloromethane	1.25	50	50909	5.098	ug/L 100
5) Vinyl chloride	1.32	62	54867	5.144	ug/L 100
6) Bromomethane	1.53	94	18783	4.102	ug/L 100
8) Chloroethane	1.59	64	33945	4.846	ug/L 97
9) Trichlorofluoromethane	1.76	101	79920	5.339	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44138	5.212	ug/L 99
12) 1,1-Dichloroethene	2.13	96	40350	5.144	ug/L 94
13) Acetone	2.22	43	78846	50.211	ug/L 100
14) Carbon disulfide	2.31	76	108709	4.903	ug/L 100
15) Methyl Acetate	2.46	43	19645	5.260	ug/L 95
16) Methylene chloride	2.52	84	47694	4.925	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	114878	5.217	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	45320	5.160	ug/L 98
19) 1,1-Dichloroethane	3.21	63	93093	5.398	ug/L 100
21) 2-Butanone	4.02	43	126545	52.245	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	49983	5.147	ug/L 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015741.D
 Acq On : 27 Apr 2020 19:54
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 02:22:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 28 02:16:08 2020
 Response via : Initial Calibration

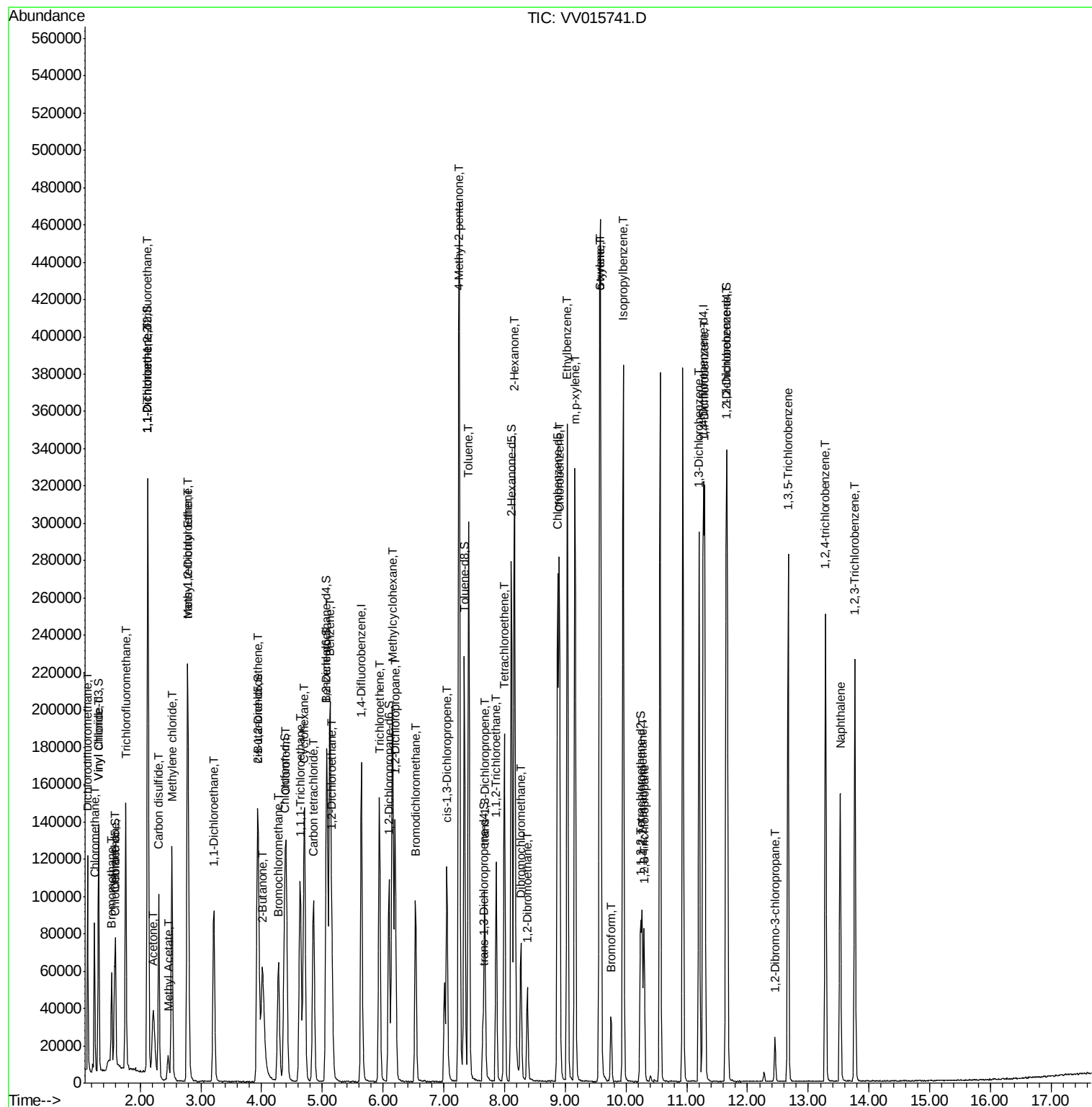
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	20889	5.267	ug/L	98
25) Chloroform	4.40	83	101070	5.521	ug/L	98
27) 1,2-Dichloroethane	5.16	62	63806	5.305	ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	85115	5.135	ug/L	100
30) Cyclohexane	4.70	56	78381	4.949	ug/L	99
31) Carbon tetrachloride	4.86	117	69729	5.079	ug/L	100
33) Benzene	5.13	78	191470	5.127	ug/L	100
34) Trichloroethene	5.94	95	52077	5.049	ug/L	98
35) Methylcyclohexane	6.15	83	76550	4.836	ug/L	99
37) 1,2-Dichloropropane	6.20	63	48774	5.138	ug/L	100
38) Bromodichloromethane	6.53	83	61835	5.130	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	63784	4.820	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	317269	51.498	ug/L	100
42) Toluene	7.41	91	205234	5.143	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	52550	4.726	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	33681	5.206	ug/L	98
47) Tetrachloroethene	8.00	164	37213	5.011	ug/L	98
48) 2-Hexanone	8.16	43	225541	51.336	ug/L	100
49) Dibromochloromethane	8.27	129	34382	5.135	ug/L	95
50) 1,2-Dibromoethane	8.38	107	31407	5.249	ug/L	100
51) Chlorobenzene	8.90	112	132181	5.056	ug/L	99
52) Ethylbenzene	9.04	91	232063	5.025	ug/L	99
53) m,p-xylene	9.16	106	86388	5.107	ug/L	99
54) o-xylene	9.57	106	84581	5.168	ug/L	100
55) Styrene	9.58	104	143763	5.177	ug/L	99
56) Isopropylbenzene	9.95	105	229620	5.001	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	40006	5.295	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	30722	5.069	ug/L	98
61) Bromoform	9.75	173	14357	5.287	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	104433	5.016	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	106116	5.054	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	97290	5.167	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.46	75	5810	4.736	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	74542	4.845	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	67820	4.789	ug/L	98
69) Naphthalene	13.53	128	113912	4.495	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	60004	4.801	ug/L	100

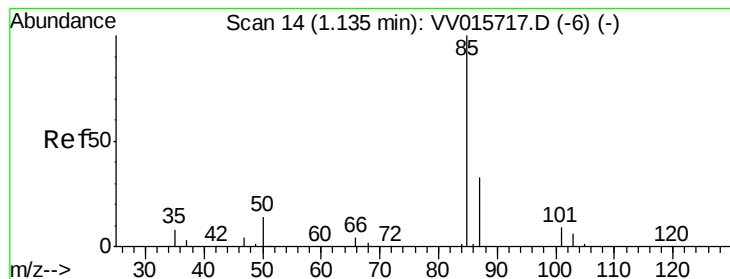
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042720\
Data File : VV015741.D
Acq On : 27 Apr 2020 19:54
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :

Quant Time: Apr 28 02:22:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 28 02:16:08 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.981 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

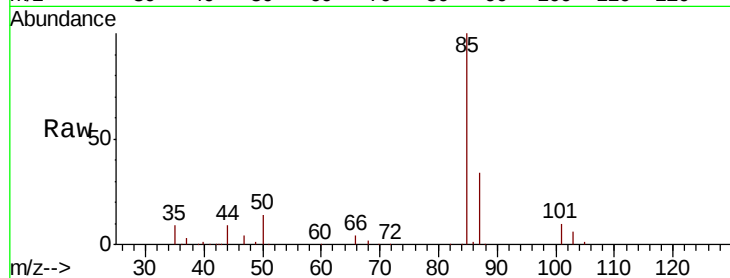
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 57491

Ion Ratio Lower Upper

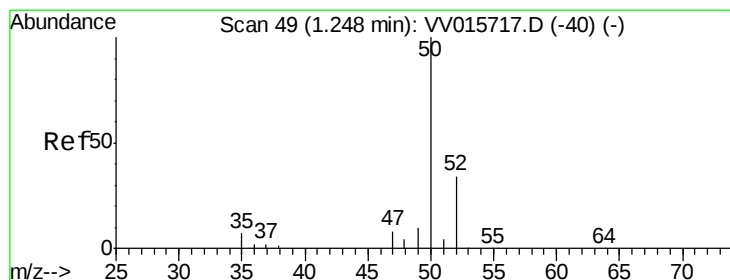
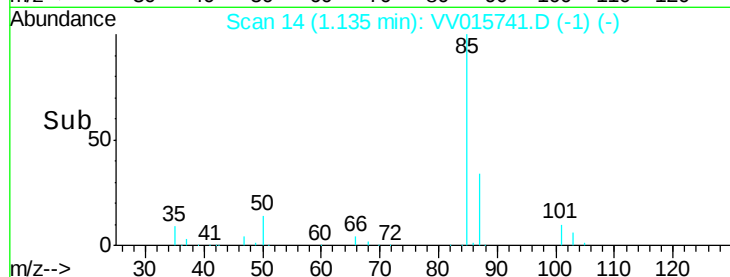
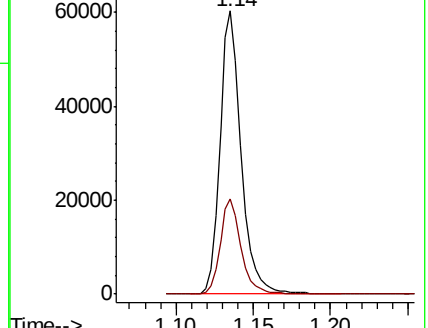
85 100

87 32.8 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015741.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015741.D (-6) (-)



#3

Chloromethane

Concen: 5.098 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015741.D

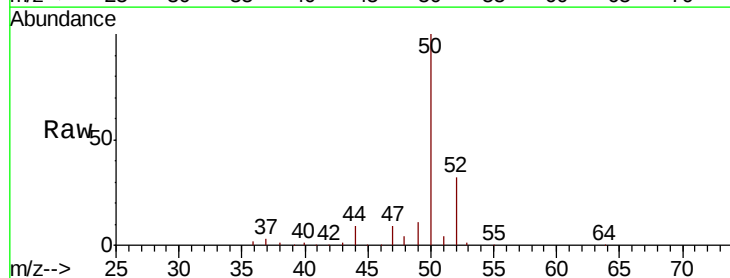
Acq: 27 Apr 2020 19:54

Tgt Ion: 50 Resp: 50909

Ion Ratio Lower Upper

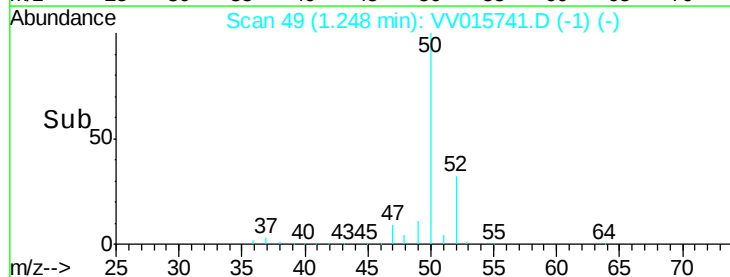
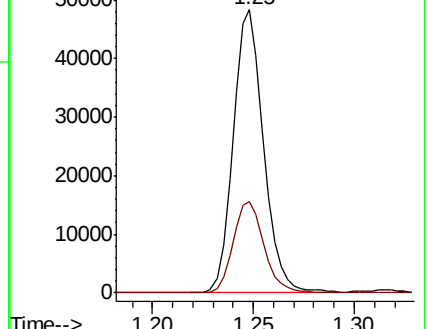
50 100

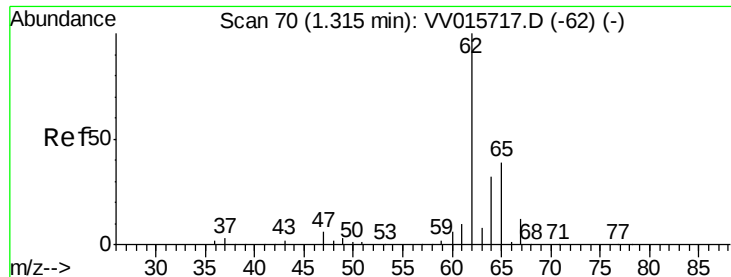
52 32.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015741.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV015741.D (-40) (-)





#5

Vinyl chloride

Concen: 5.144 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

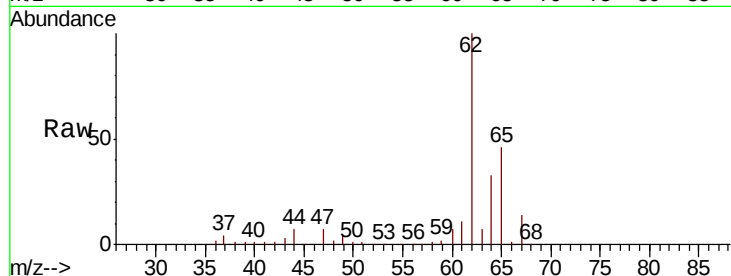
ClientSampleId :

Tot Ion: 62 Resp: 54867

Ion Ratio Lower Upper

62 100

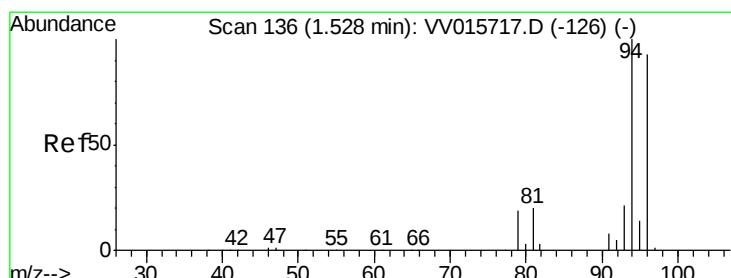
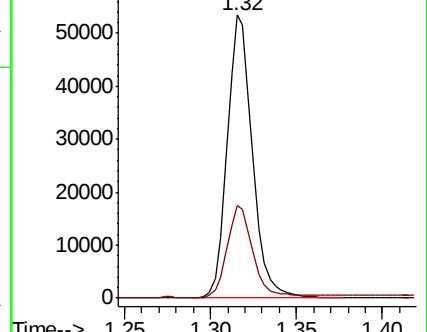
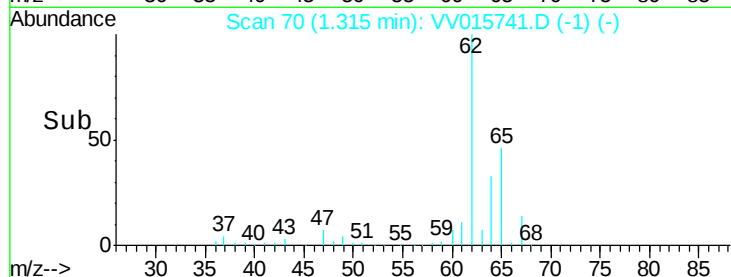
64 32.5 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

Time-->



#6

Bromomethane

Concen: 4.102 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015741.D

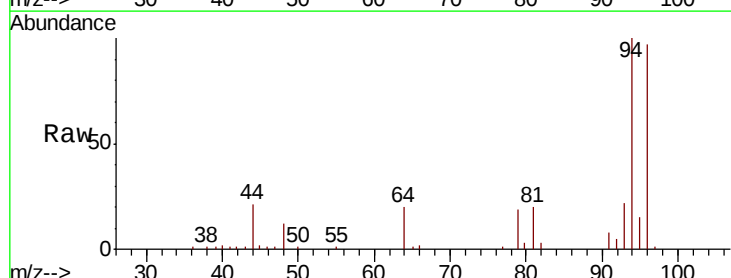
Acq: 27 Apr 2020 19:54

Tgt Ion: 94 Resp: 18783

Ion Ratio Lower Upper

94 100

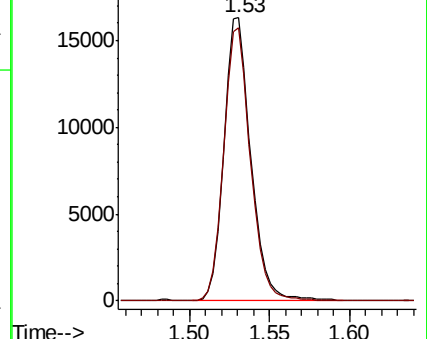
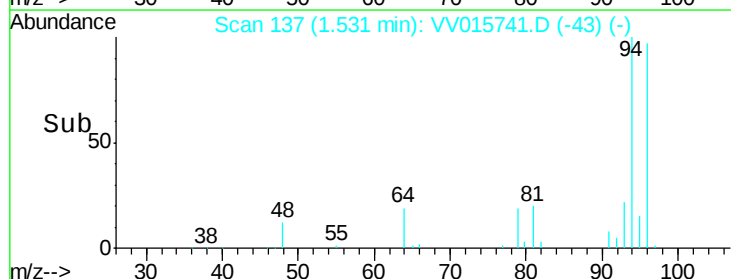
96 96.6 67.3 125.1

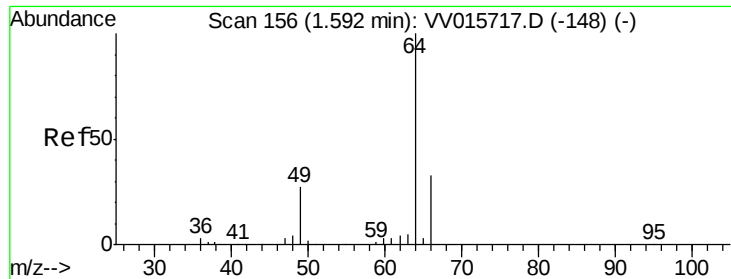


Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

Time-->





#8

Chloroethane

Concen: 4.846 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

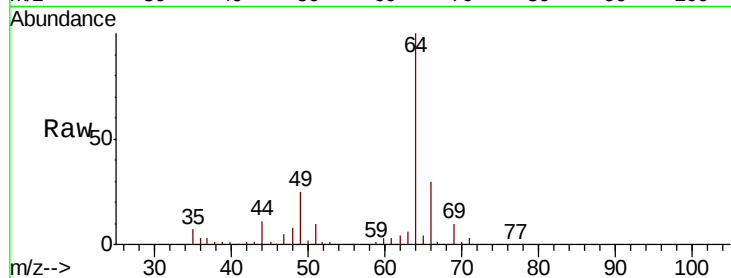
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 33945

Ion Ratio Lower Upper

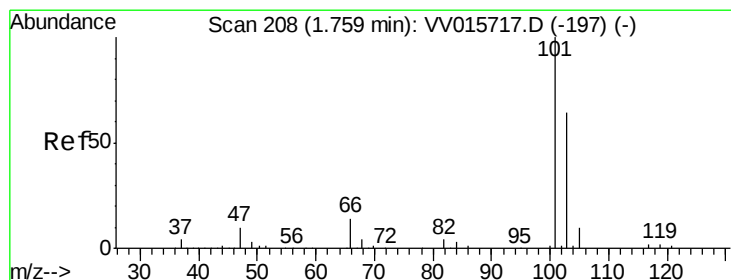
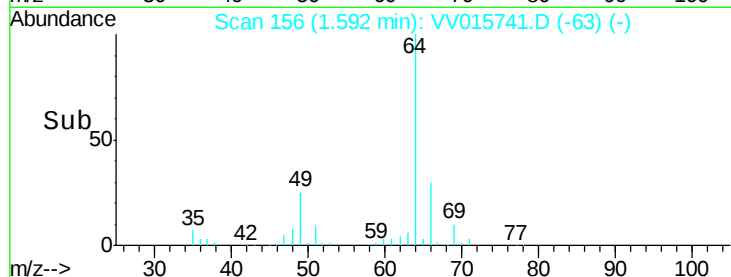
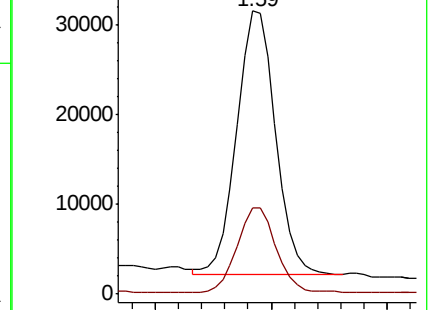
64 100

66 30.3 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015741.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015741.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.339 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015741.D

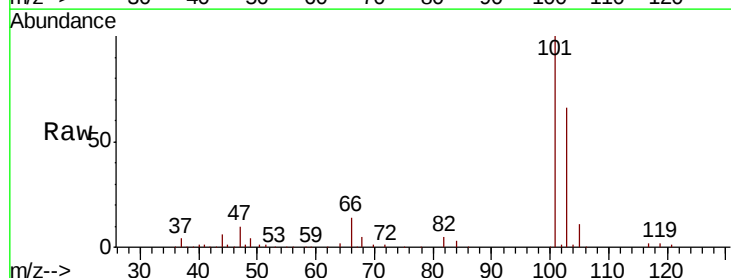
Acq: 27 Apr 2020 19:54

Tgt Ion:101 Resp: 79920

Ion Ratio Lower Upper

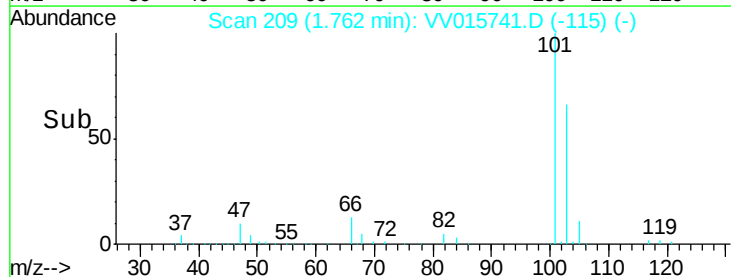
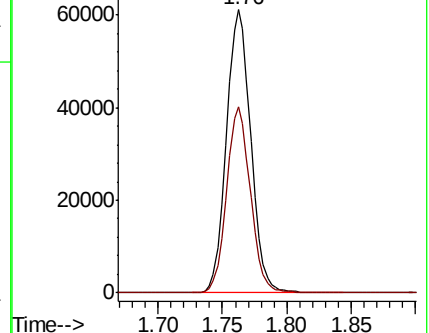
101 100

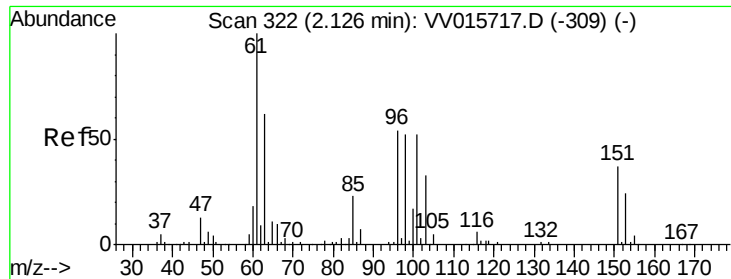
103 64.3 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015741.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015741.D (-197) (-)





#10

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

Concen: 5.212 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

ClientSampleId :

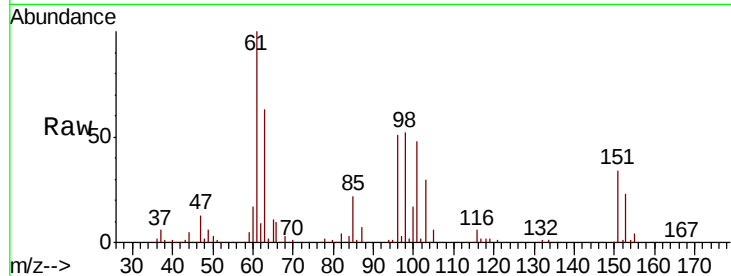
Tot Ion:101 Resp: 44138

Ion Ratio Lower Upper

101 100

85 45.5 36.1 54.1

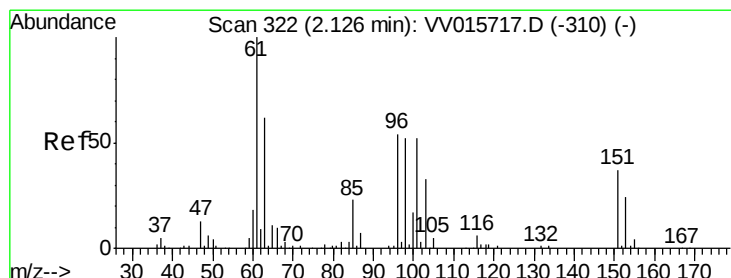
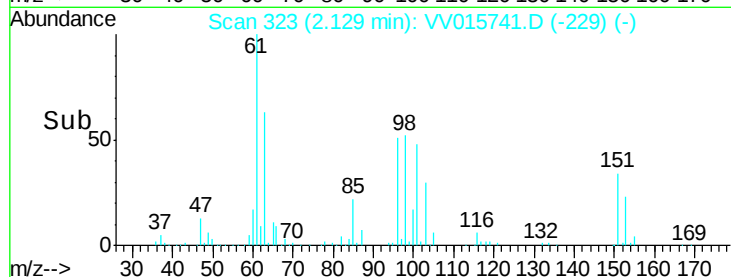
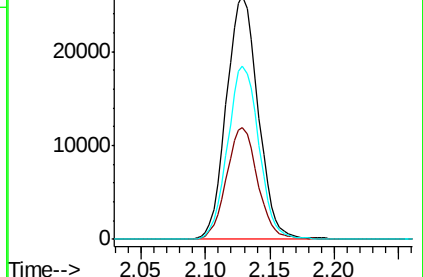
151 70.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015741.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015741.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015741.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.144 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

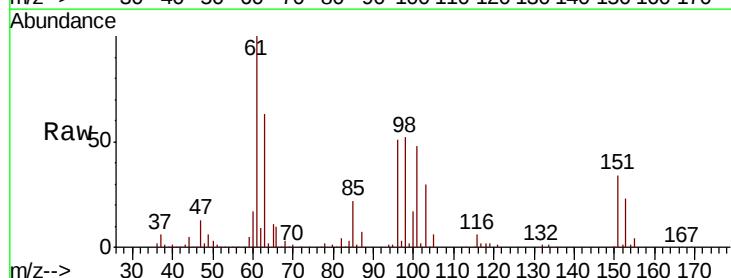
Tgt Ion: 96 Resp: 40350

Ion Ratio Lower Upper

96 100

61 194.6 130.1 241.7

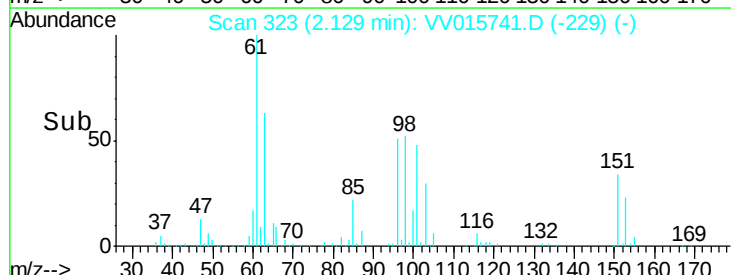
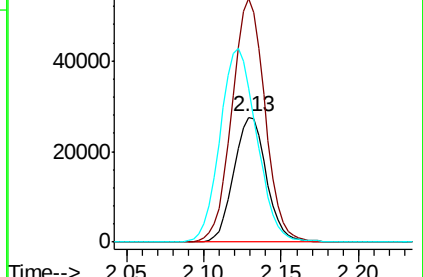
63 123.4 91.4 169.8

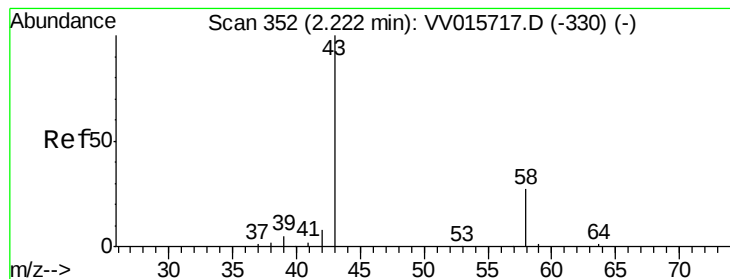


Abundance Ion 96.00 (95.70 to 96.70): VV015741.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015741.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015741.D (-229) (-)





#13

Acetone

Concen: 50.211 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

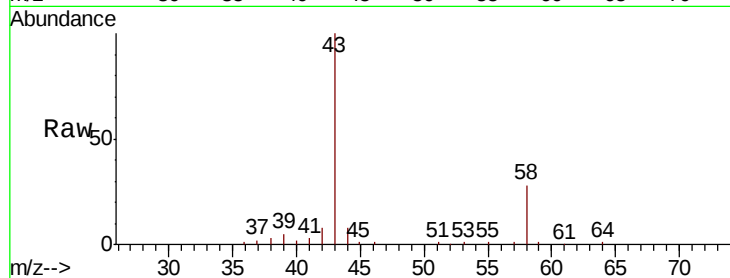
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 78846

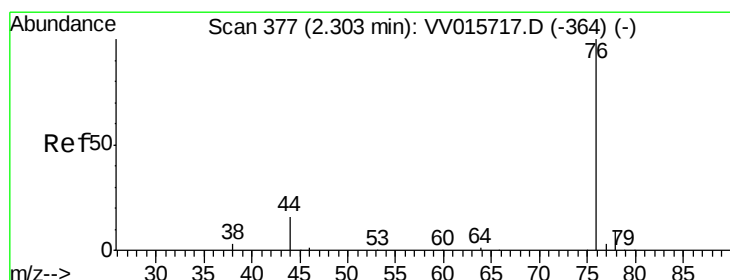
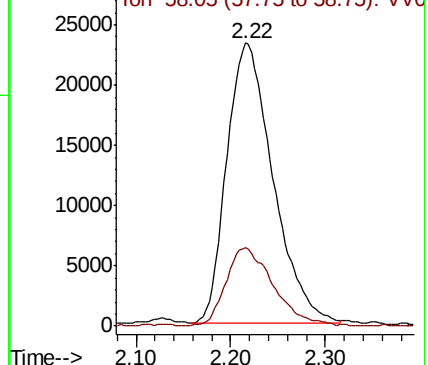
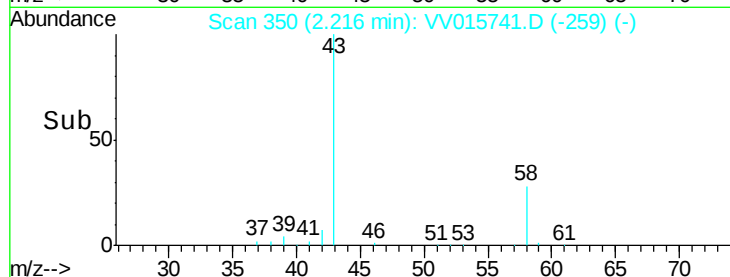
Ion Ratio Lower Upper

43 100

58 28.8 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015741.D (-259) (-)



#14

Carbon disulfide

Concen: 4.903 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV015741.D

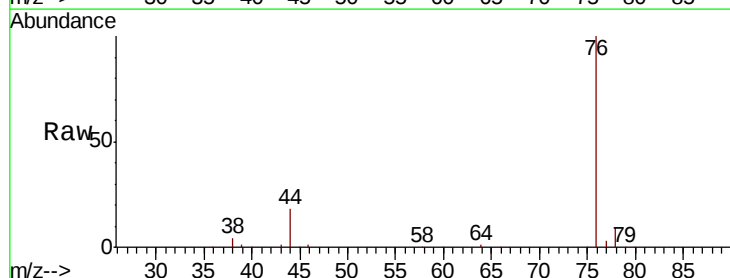
Acq: 27 Apr 2020 19:54

Tgt Ion: 76 Resp: 108709

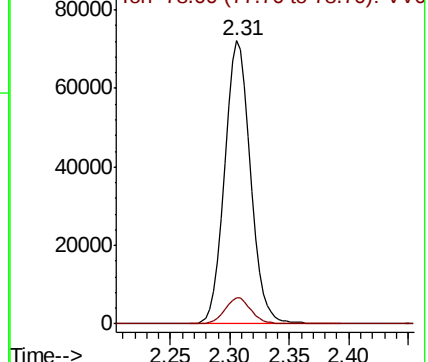
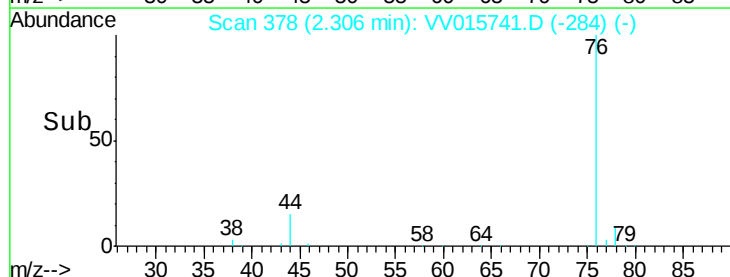
Ion Ratio Lower Upper

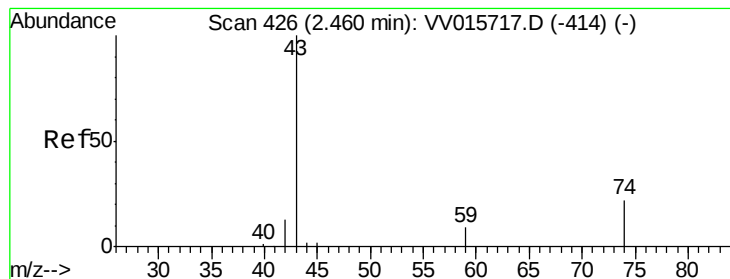
76 100

78 9.3 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015741.D (-284) (-)





#15

Methvl Acetate

Concen: 5.260 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

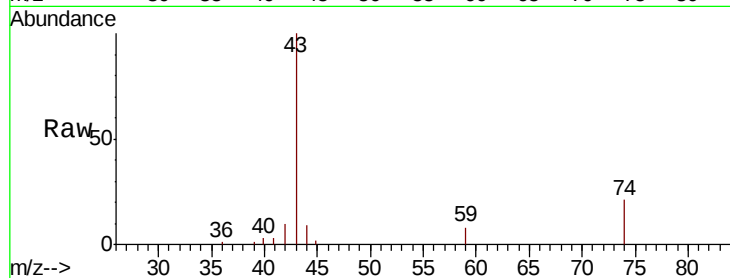
ClientSampled :

Tot Ion: 43 Resp: 19645

Ion Ratio Lower Upper

43 100

74 22.5 16.3 24.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.46

10000

8000

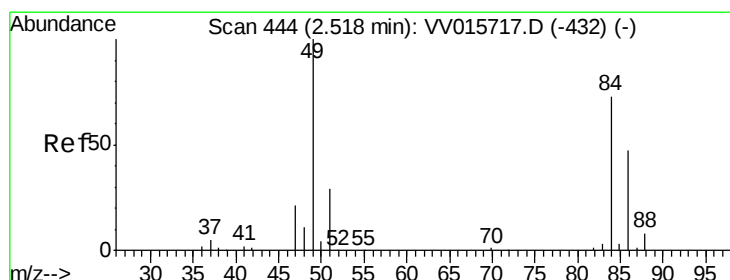
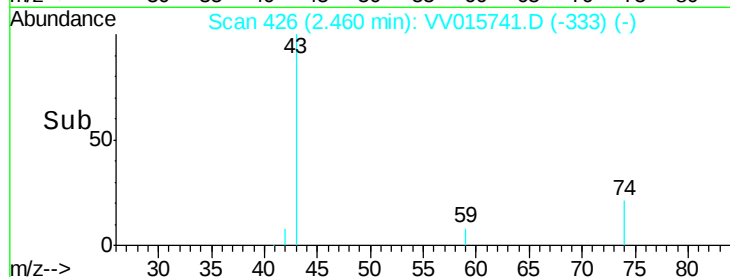
6000

4000

2000

0

Time-->



#16

Methylene chloride

Concen: 4.925 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

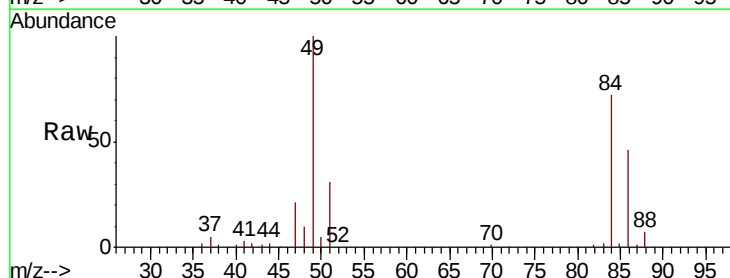
Tgt Ion: 84 Resp: 47694

Ion Ratio Lower Upper

84 100

86 63.7 45.1 83.7

49 139.6 94.4 175.4



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

50000

40000

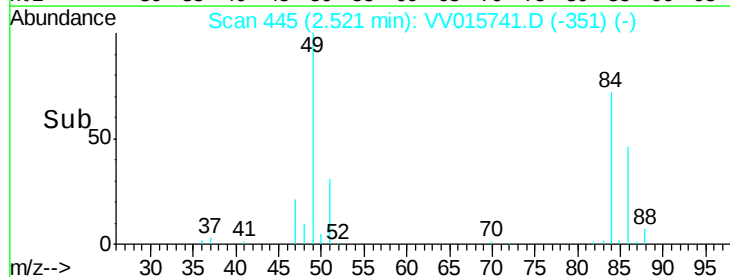
30000

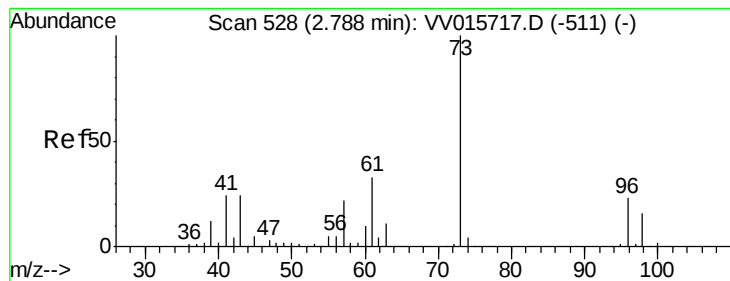
20000

10000

0

Time-->



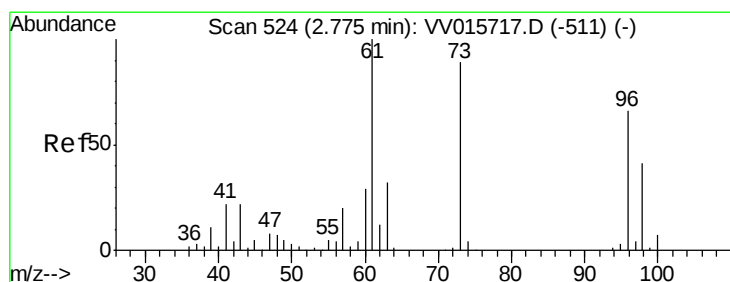
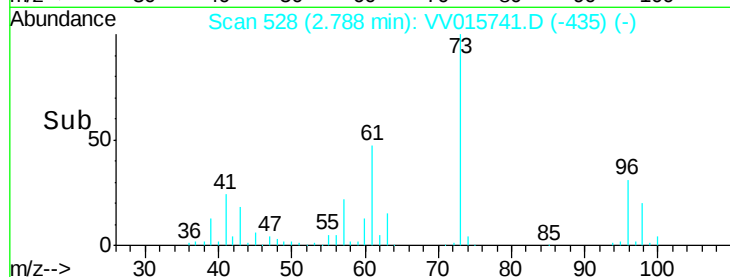
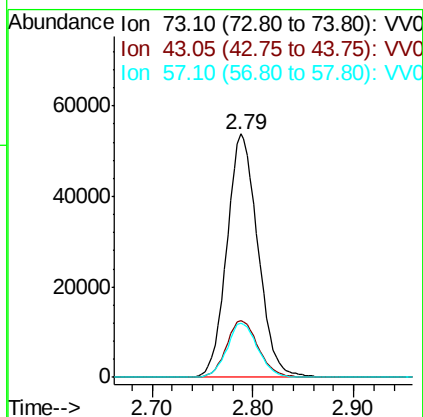
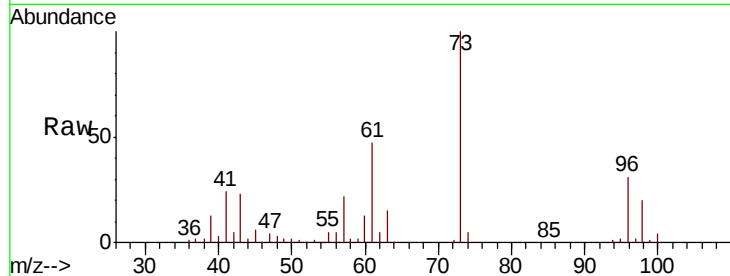


#17

Methvl tert-butvl Ether
 Concen: 5.217 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Instrument :
 MSVOA_V
 ClientSampleId :

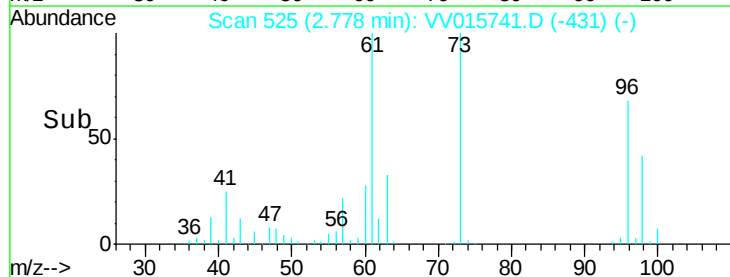
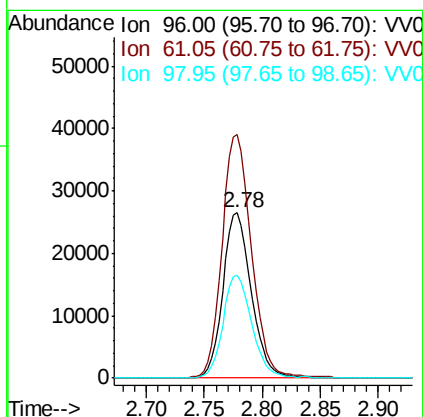
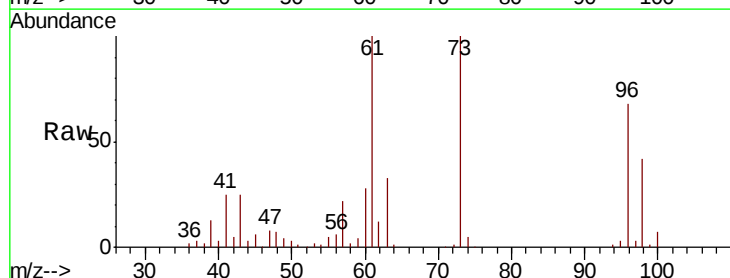
Tot Ion: 73 Resp: 114878
 Ion Ratio Lower Upper
 73 100
 43 24.2 20.1 30.1
 57 22.2 17.8 26.8

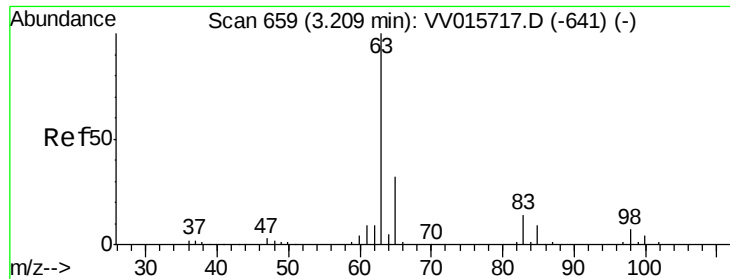


#18

trans-1,2-Dichloroethene
 Concen: 5.160 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion: 96 Resp: 45320
 Ion Ratio Lower Upper
 96 100
 61 147.5 105.5 195.9
 98 62.0 44.2 82.0

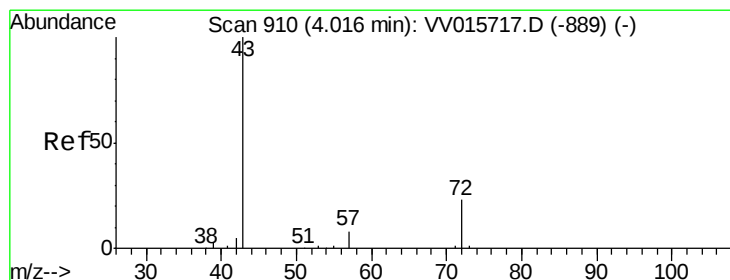
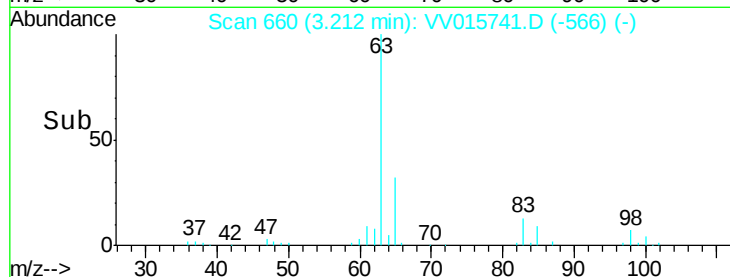
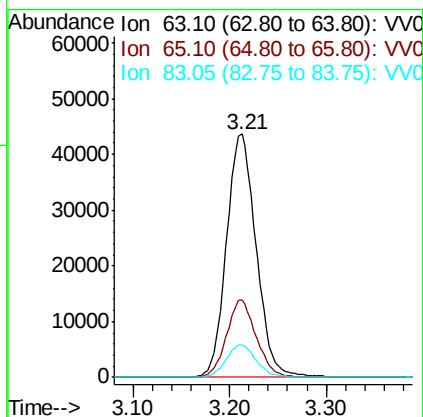
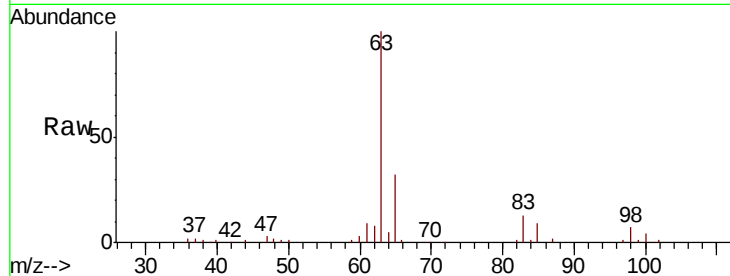




#19
 1,1-Dichloroethane
 Concen: 5.398 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

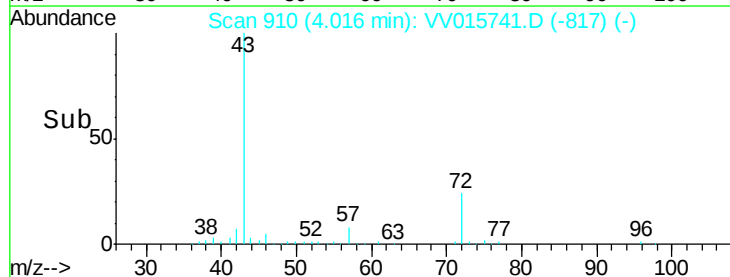
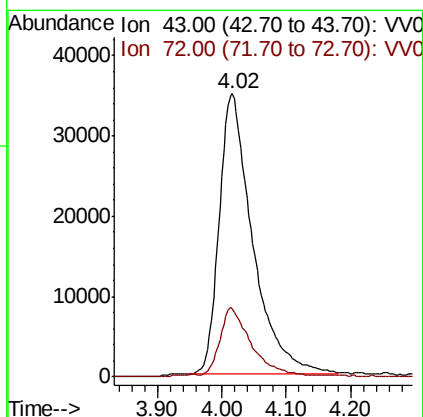
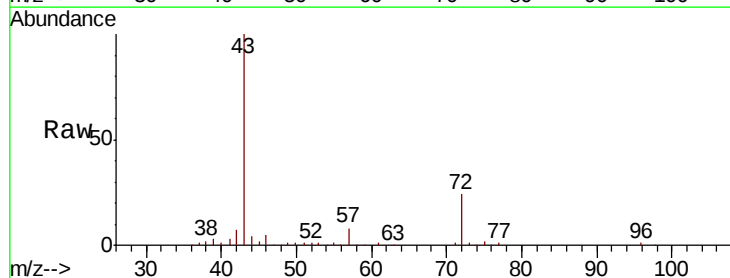
Instrument :
 MSVOA_V
 ClientSampleId :

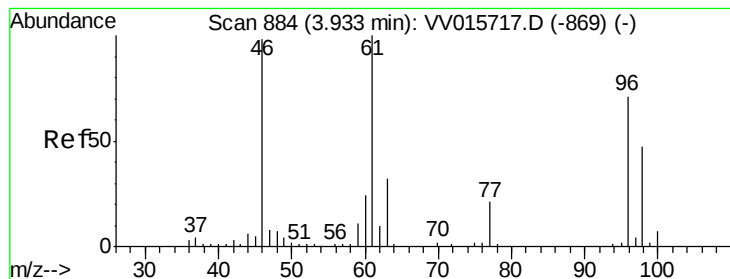
Tot Ion: 63 Resp: 93093
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.3 41.3
 83 13.1 9.3 17.3



#21
 2-Butanone
 Concen: 52.245 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion: 43 Resp: 126545
 Ion Ratio Lower Upper
 43 100
 72 22.5 12.3 36.9



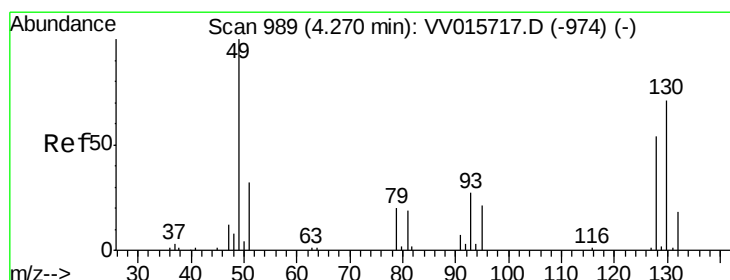
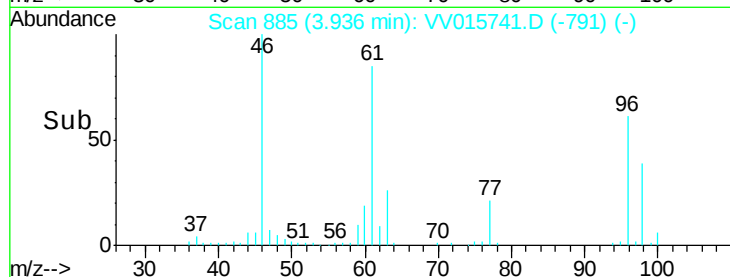
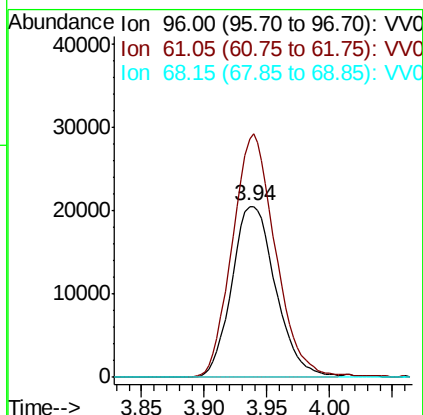
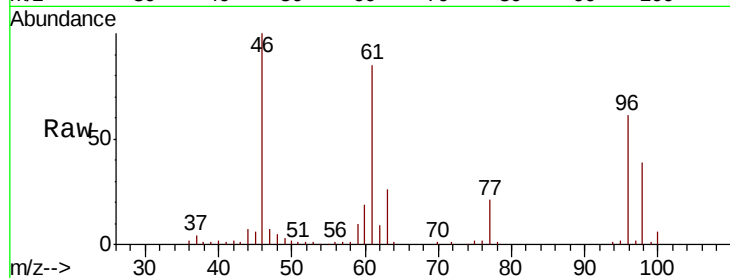


#22

cis-1,2-Dichloroethene
Concen: 5.147 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Instrument :
MSVOA_V
ClientSampleId :

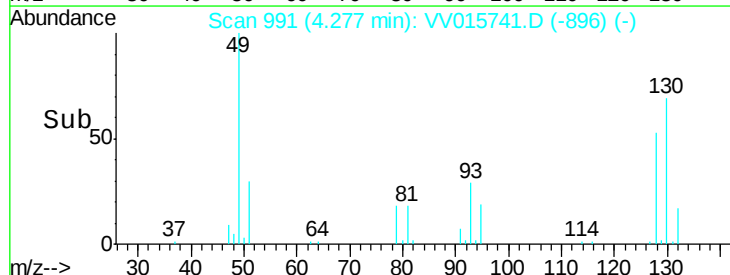
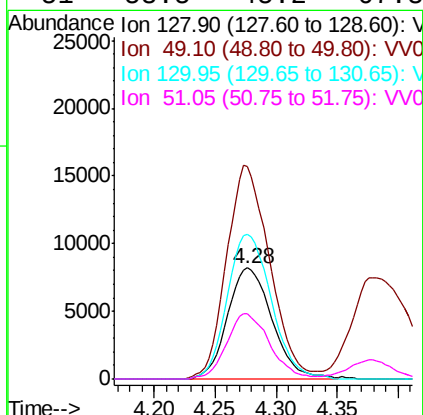
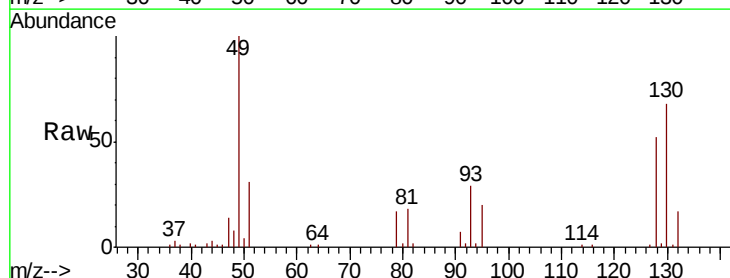
Tot Ion: 96 Resp: 49983
Ion Ratio Lower Upper
96 100
61 139.1 96.4 179.0
68 0.0 0.0 0.0

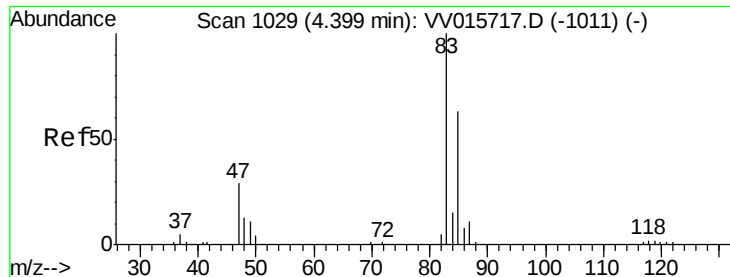


#23

Bromochloromethane
Concen: 5.267 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion: 128 Resp: 20889
Ion Ratio Lower Upper
128 100
49 191.8 130.8 242.8
130 130.4 91.1 169.3
51 58.5 45.2 67.8

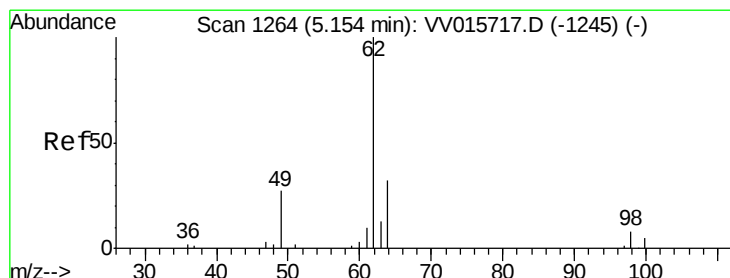
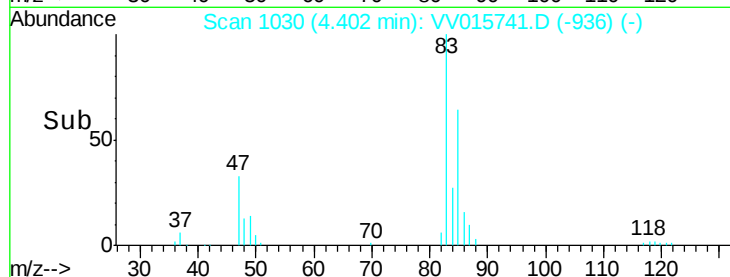
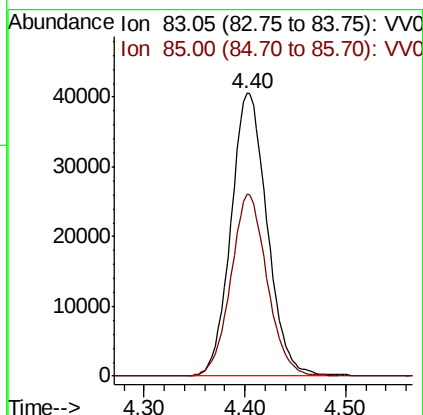
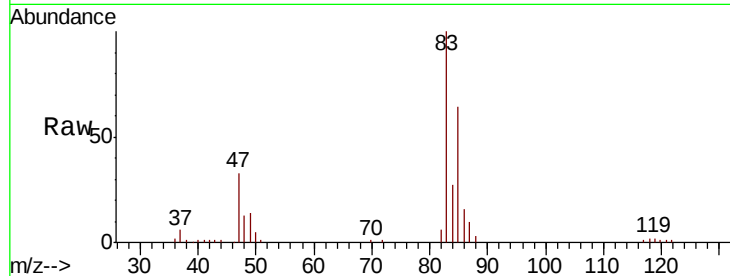




#25
Chloroform
Concen: 5.521 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

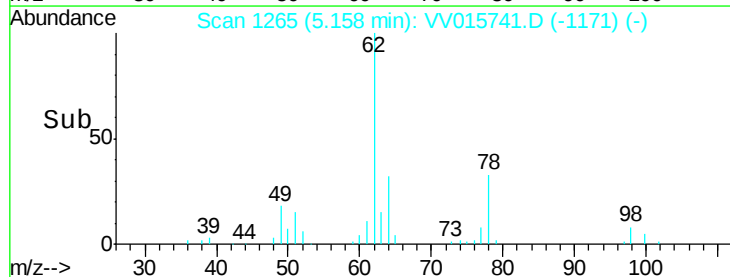
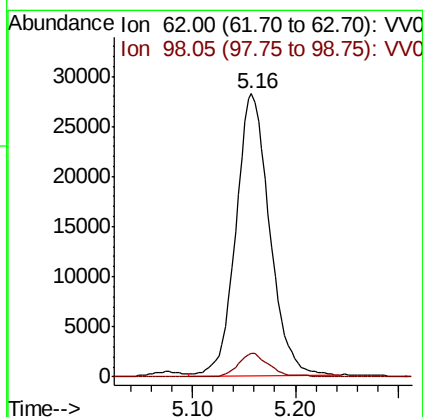
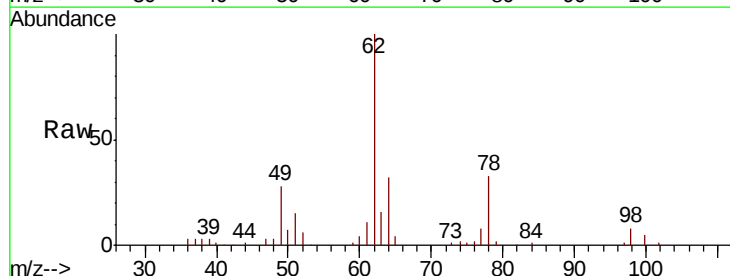
Instrument :
MSVOA_V
ClientSampleId :

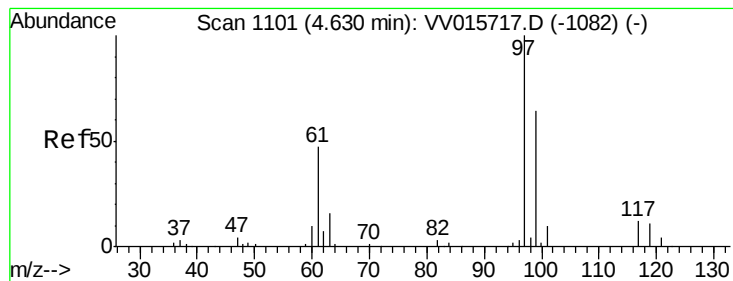
Tot Ion: 83 Resp: 101070
Ion Ratio Lower Upper
83 100
85 64.4 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.305 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion: 62 Resp: 63806
Ion Ratio Lower Upper
62 100
98 8.2 6.3 9.5





#29

1,1,1-Trichloroethane

Concen: 5.135 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

ClientSampleId :

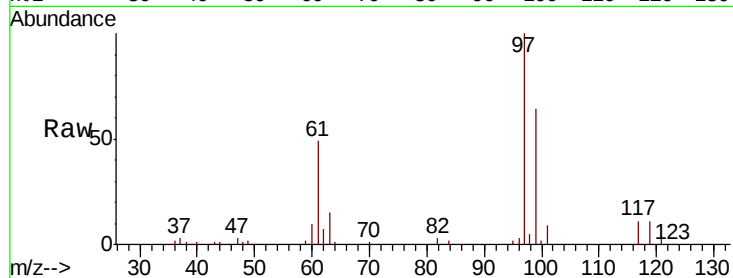
Tot Ion: 97 Resp: 85115

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

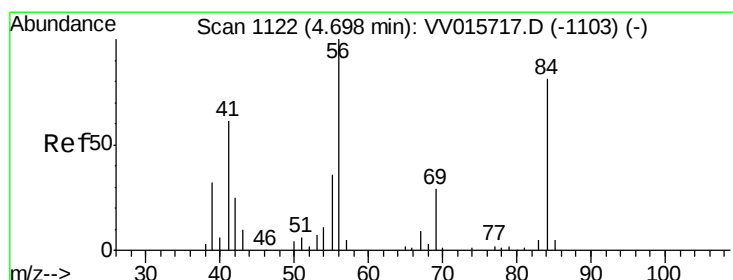
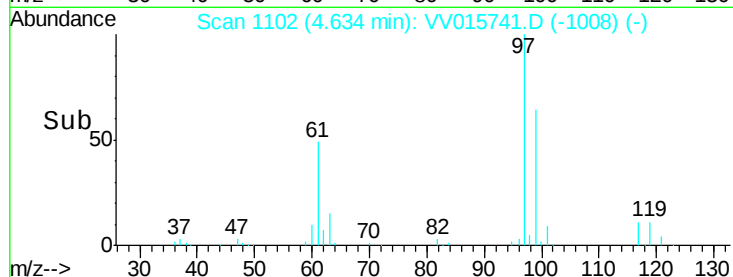
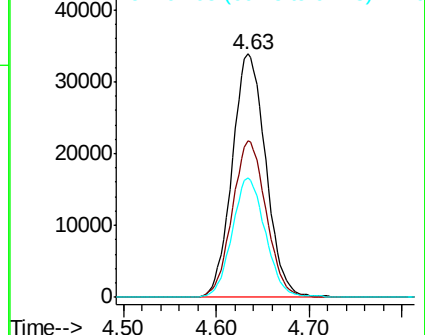
61 48.6 38.6 57.8



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: 4.949 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

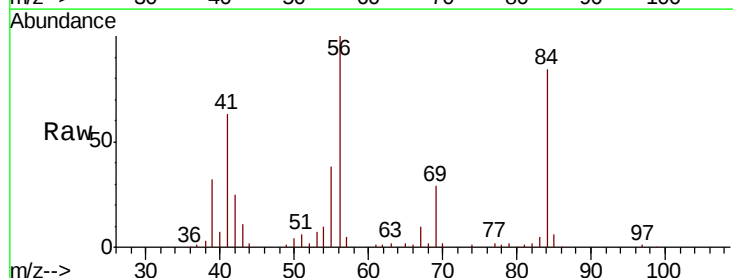
Tgt Ion: 56 Resp: 78381

Ion Ratio Lower Upper

56 100

69 29.6 23.9 35.9

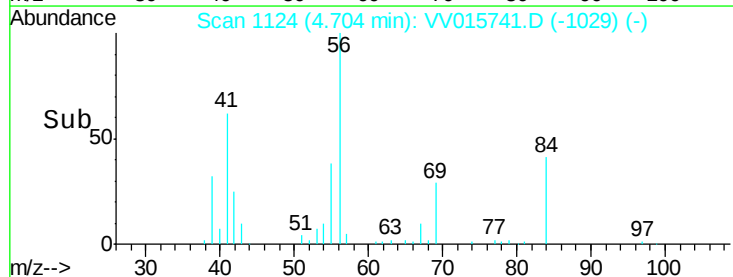
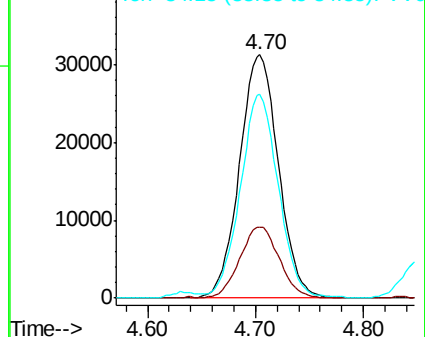
84 82.3 66.9 100.3

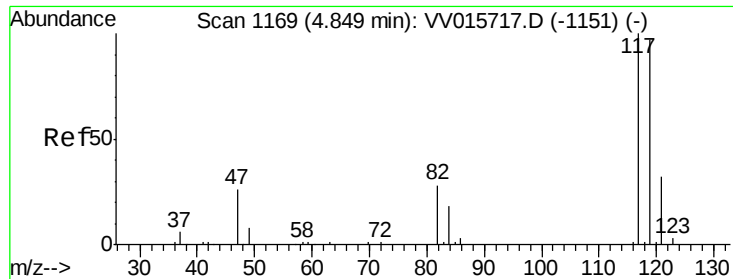


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.079 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

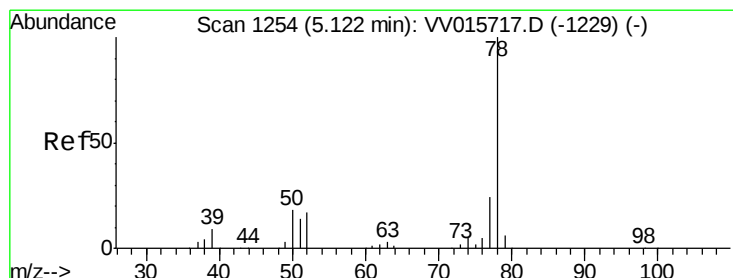
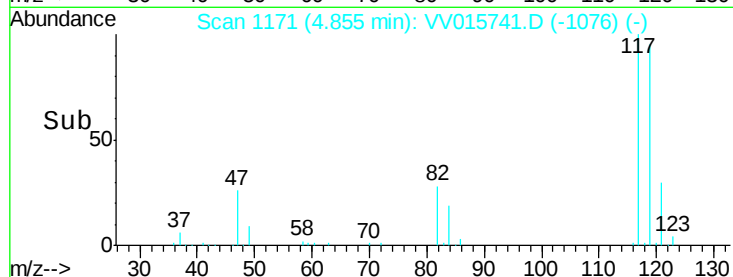
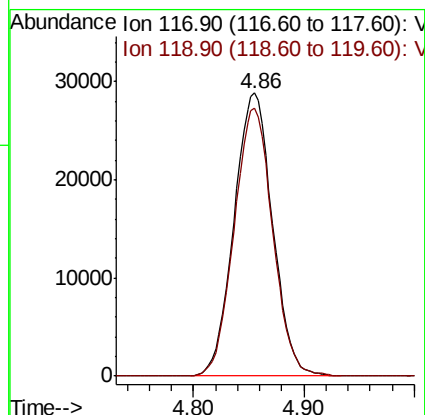
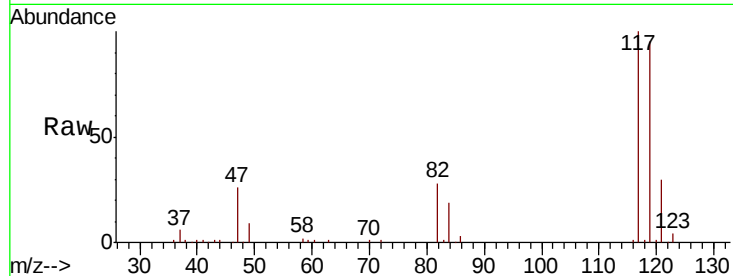
ClientSampleId :

Tot Ion:117 Resp: 69729

Ion Ratio Lower Upper

117 100

119 94.8 75.6 113.4



#33

Benzene

Concen: 5.127 ug/L

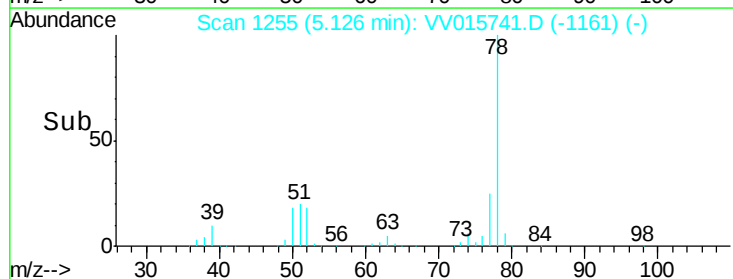
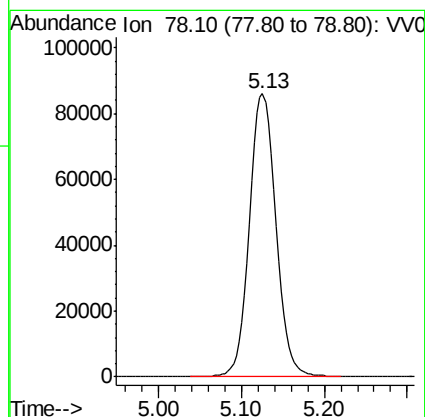
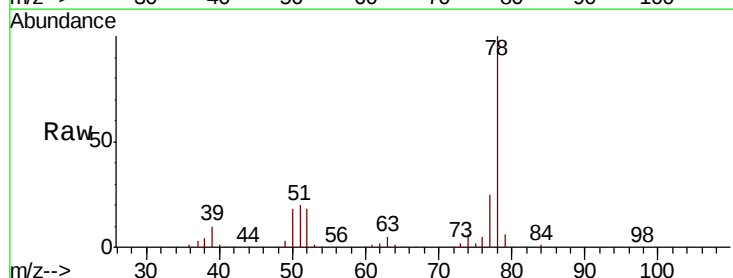
RT: 5.13 min Scan# 1255

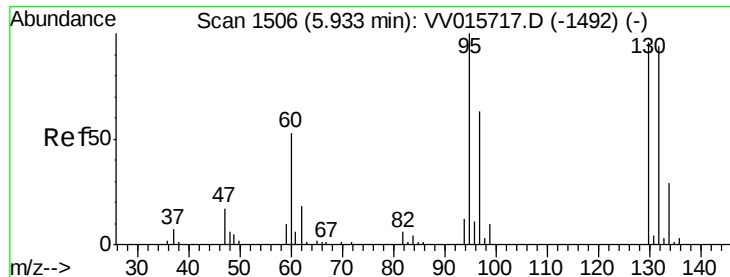
Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Tgt Ion: 78 Resp: 191470





#34

Trichloroethene

Concen: 5.049 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 52077

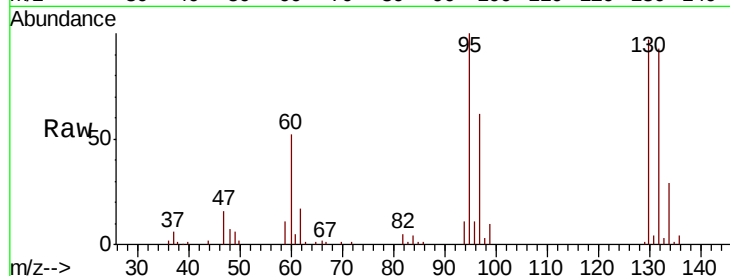
Ion Ratio Lower Upper

95 100

97 61.6 44.7 82.9

132 92.9 65.2 121.0

130 96.7 65.0 120.6

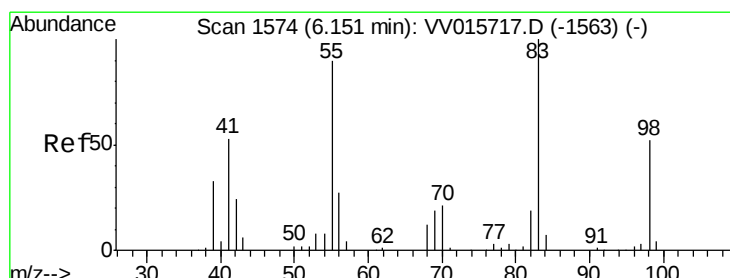
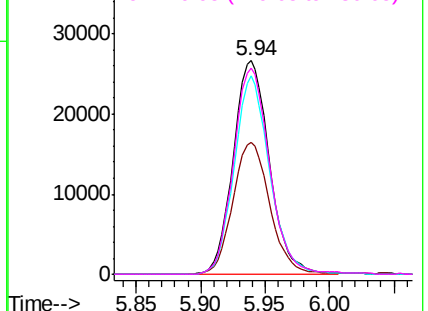
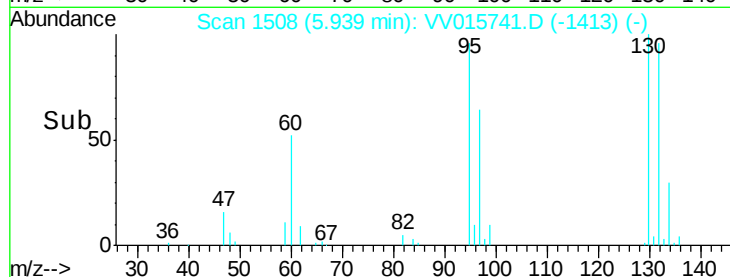


Abundance Ion 95.00 (94.70 to 95.70): VV015741.D (-1413) (-)

Ion 96.95 (96.65 to 97.65): VV015741.D (-1413) (-)

Ion 131.95 (131.65 to 132.65): VV015741.D (-1413) (-)

Ion 129.95 (129.65 to 130.65): VV015741.D (-1413) (-)



#35

Methylcyclohexane

Concen: 4.836 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

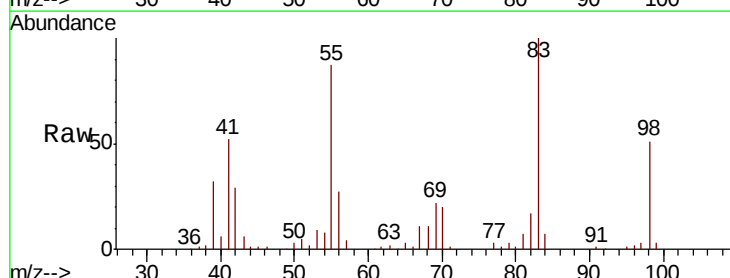
Tgt Ion: 83 Resp: 76550

Ion Ratio Lower Upper

83 100

55 84.4 66.6 99.8

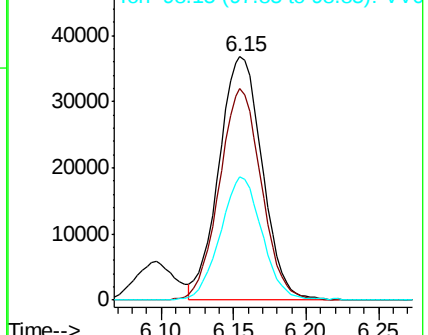
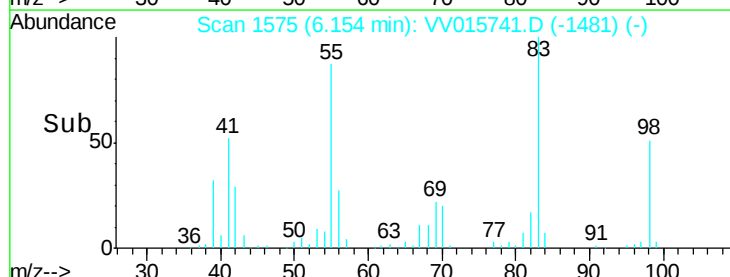
98 48.8 39.5 59.3

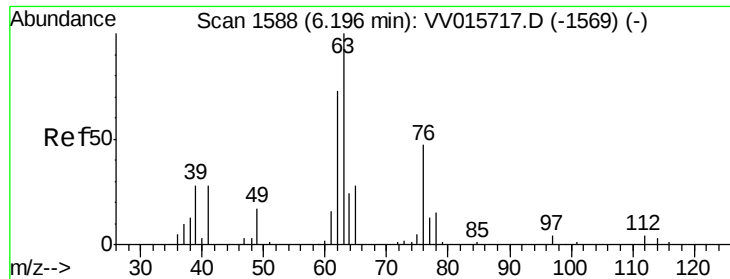


Abundance Ion 83.15 (82.85 to 83.85): VV015741.D (-1481) (-)

Ion 55.10 (54.80 to 55.80): VV015741.D (-1481) (-)

Ion 98.15 (97.85 to 98.85): VV015741.D (-1481) (-)

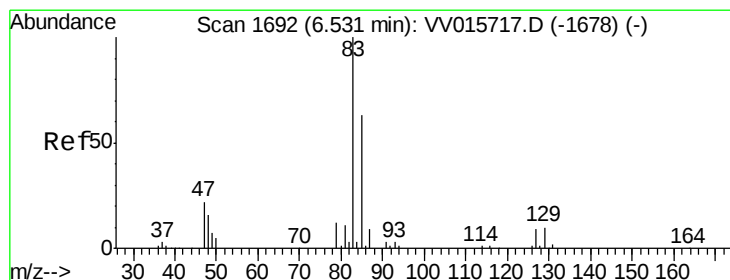
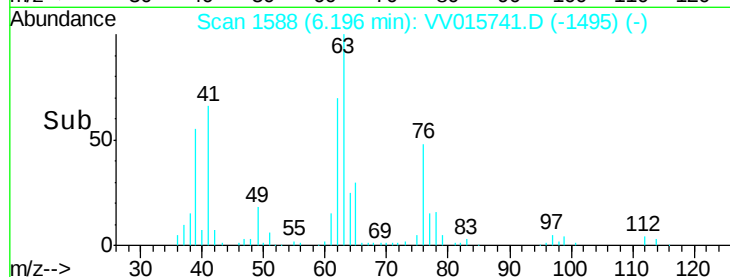
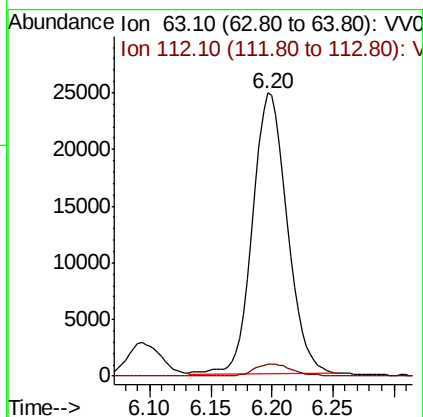
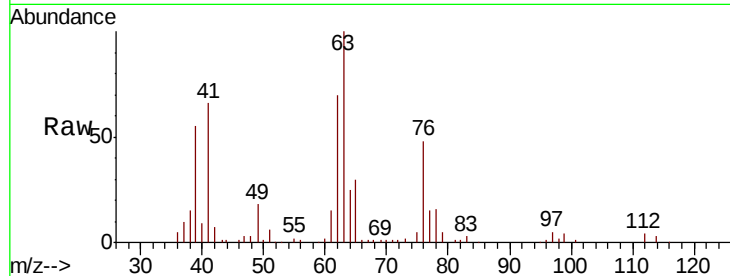




#37
 1,2-Dichloropropane
 Concen: 5.138 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

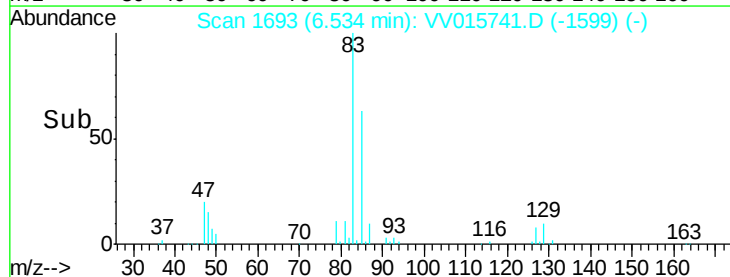
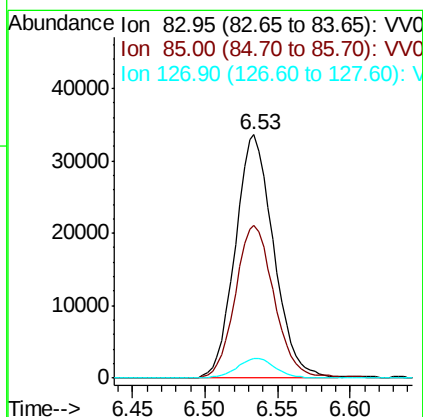
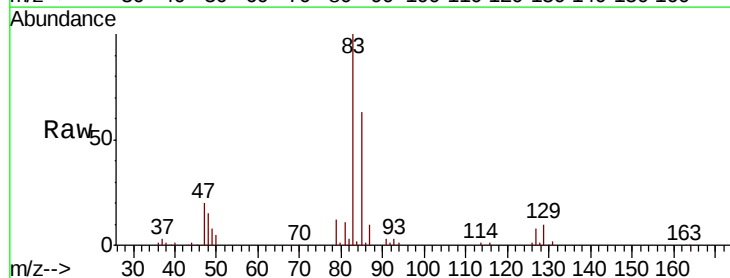
Instrument :
 MSVOA_V
 ClientSampleId :

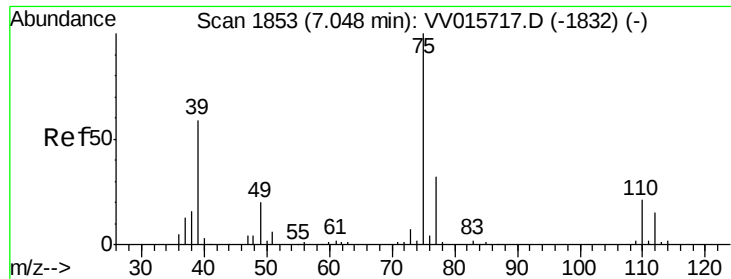
Tot Ion: 63 Resp: 48774
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.130 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion: 83 Resp: 61835
 Ion Ratio Lower Upper
 83 100
 85 62.7 44.7 83.1
 127 7.9 5.8 8.6

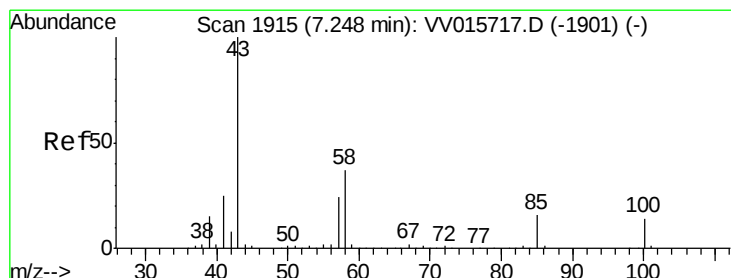
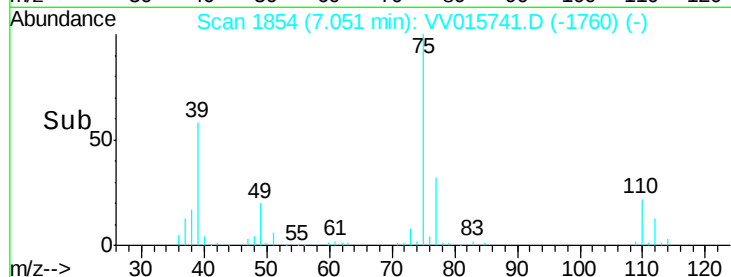
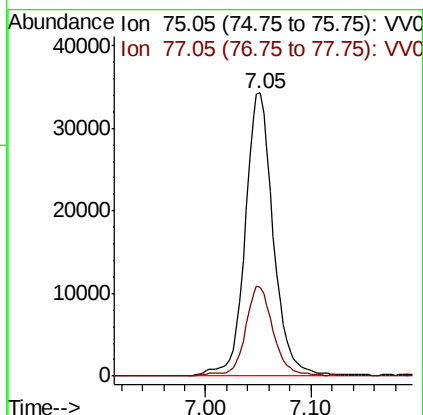
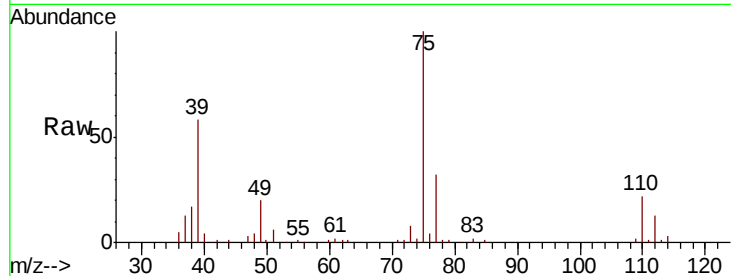




#39
 cis-1,3-Dichloropropene
 Concen: 4.820 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

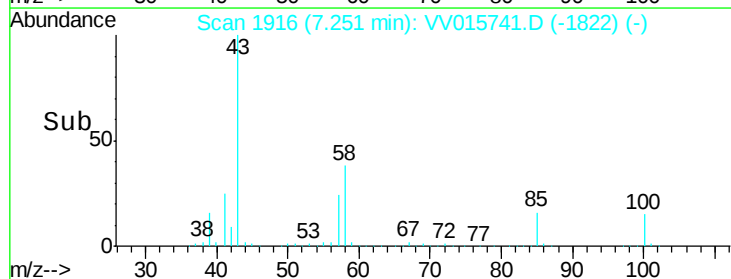
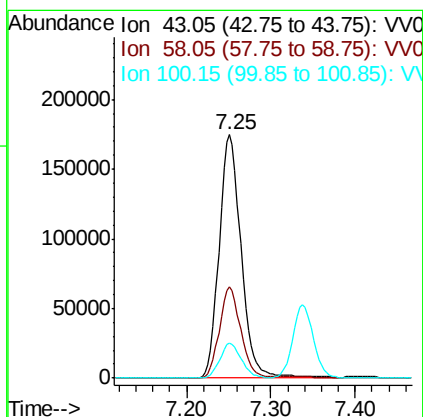
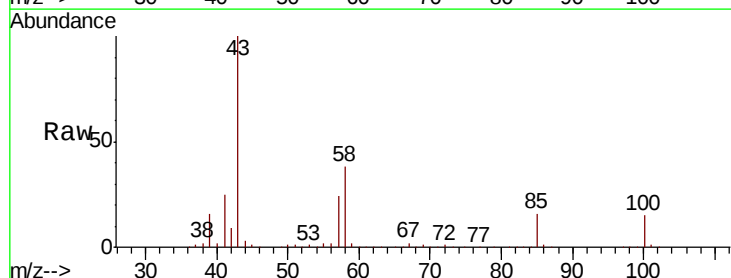
Instrument :
 MSVOA_V
 ClientSampleId :

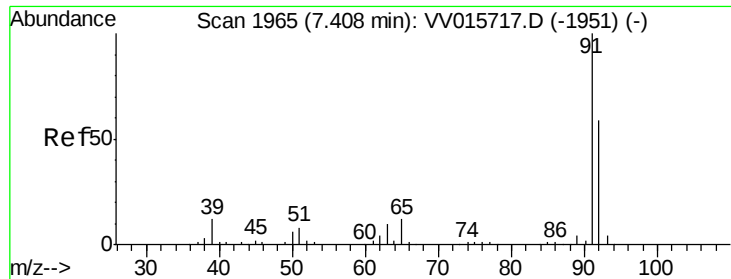
Tot Ion: 75 Resp: 63784
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 51.498 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion: 43 Resp: 317269
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.2 43.8
 100 14.0 11.4 17.2





#42

Toluene

Concen: 5.143 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

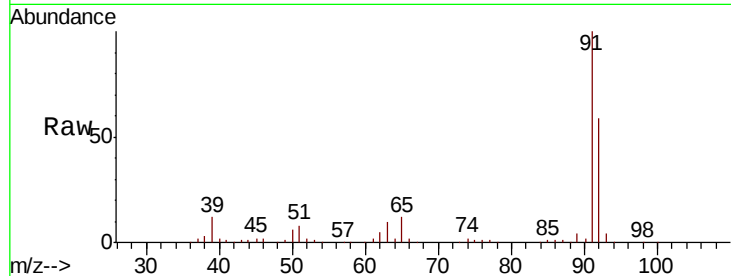
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 205234

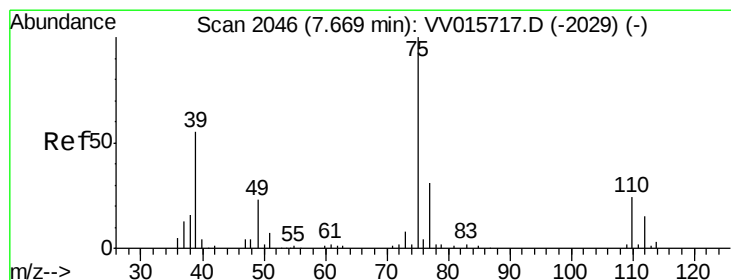
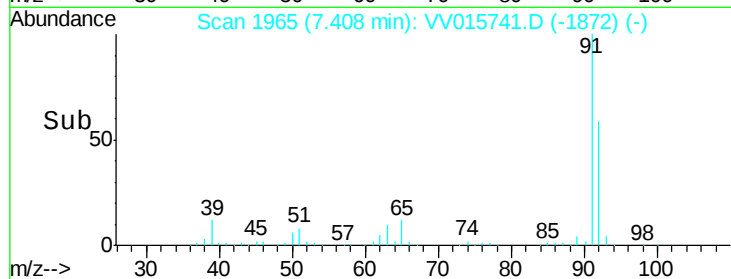
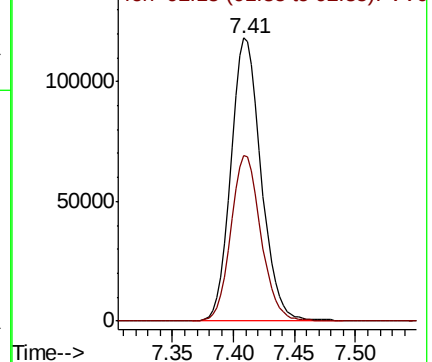
Ion Ratio Lower Upper

91 100

92 58.5 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.726 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015741.D

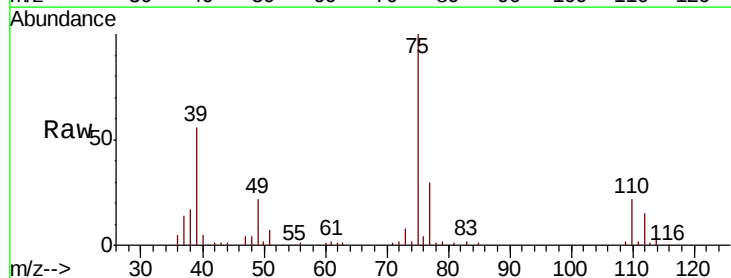
Acq: 27 Apr 2020 19:54

Tgt Ion: 75 Resp: 52550

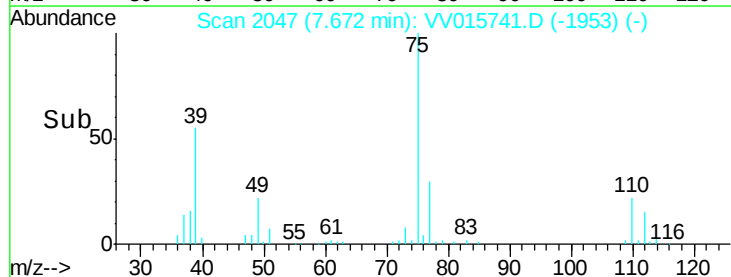
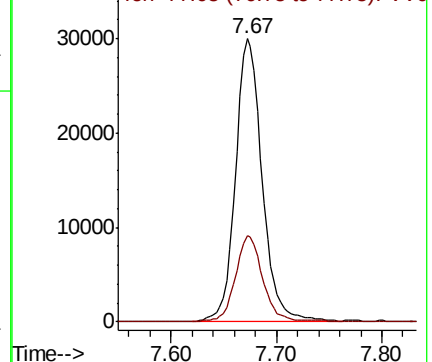
Ion Ratio Lower Upper

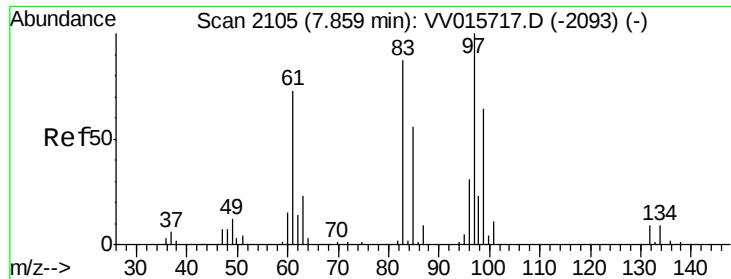
75 100

77 30.3 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0
Ion 77.05 (76.75 to 77.75): VV0

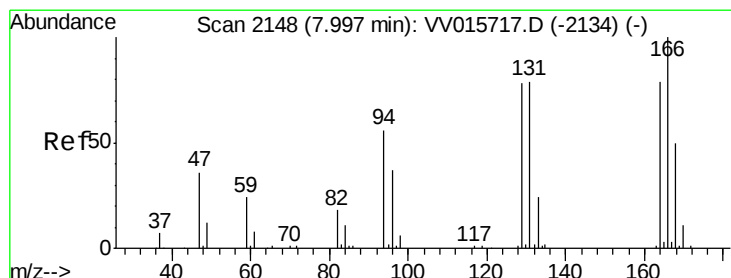
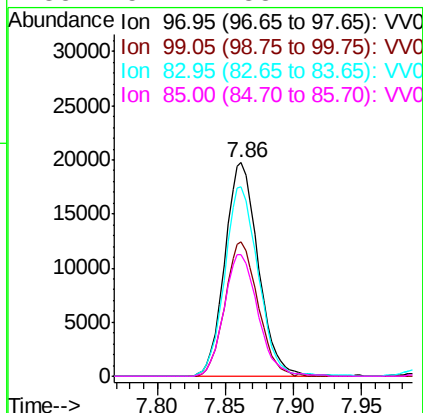
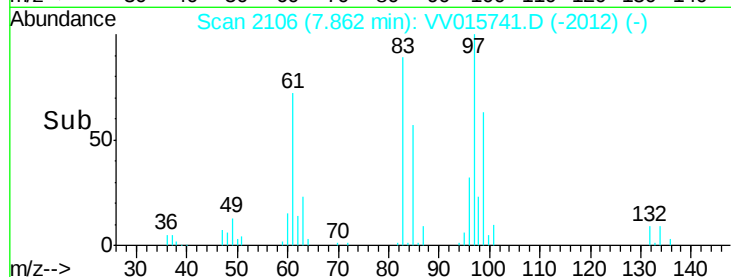
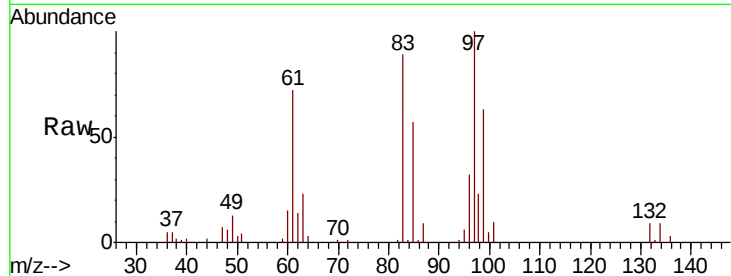




#45
1,1,2-Trichloroethane
Concen: 5.206 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

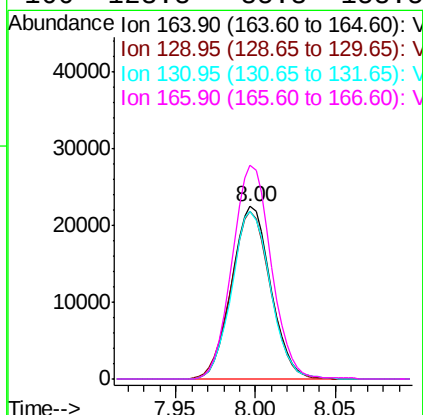
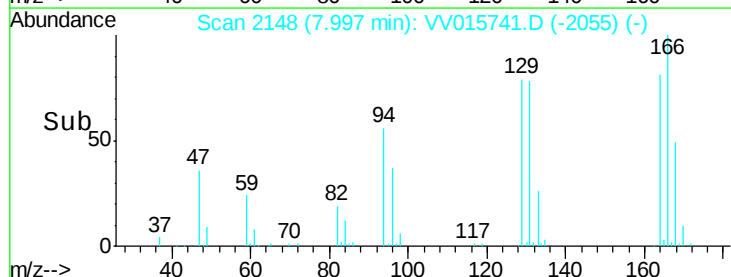
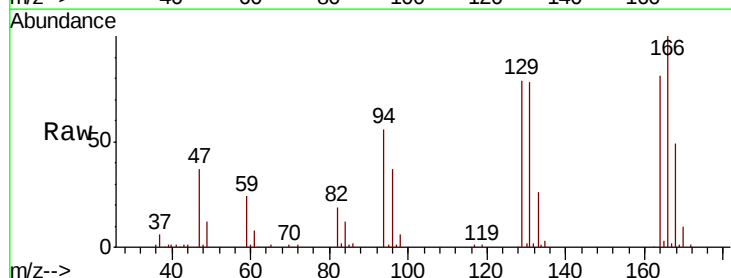
Instrument :
MSVOA_V
ClientSampleId :

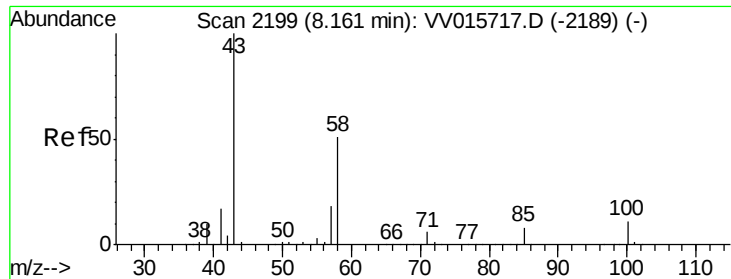
Tot Ion:	97	Resp:	33681
Ion	Ratio	Lower	Upper
97	100		
99	62.7	45.4	84.4
83	88.5	61.3	113.9
85	57.2	38.4	71.4



#47
Tetrachloroethene
Concen: 5.011 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion:	164	Resp:	37213
Ion	Ratio	Lower	Upper
164	100		
129	97.5	66.7	123.9
131	97.1	66.6	123.6
166	123.8	85.3	158.5

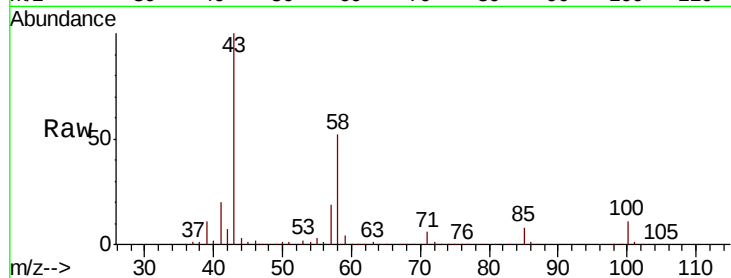




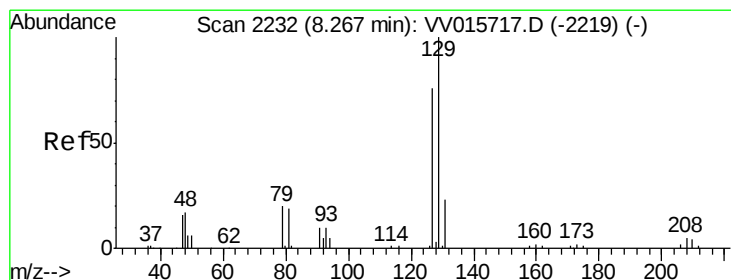
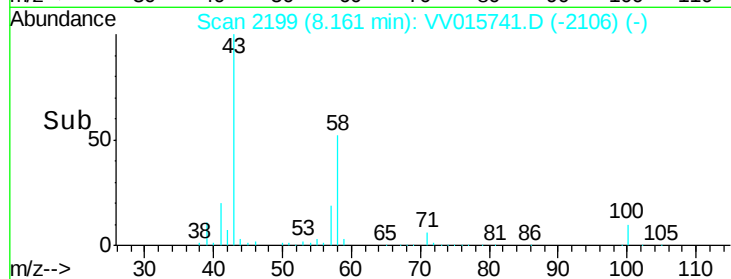
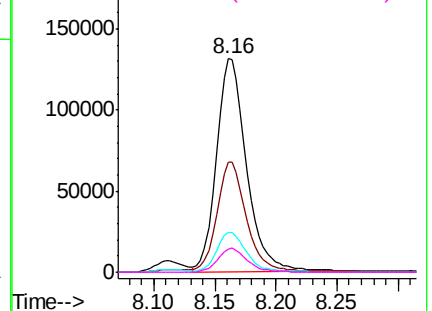
#48
2-Hexanone
Concen: 51.336 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. -0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 225541
Ion Ratio Lower Upper
43 100
58 51.1 41.1 61.7
57 18.8 15.0 22.4
100 11.2 9.0 13.4

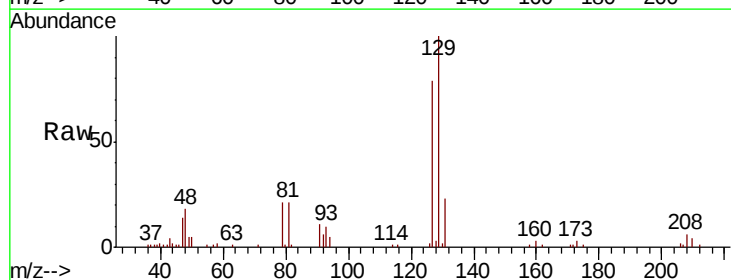


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

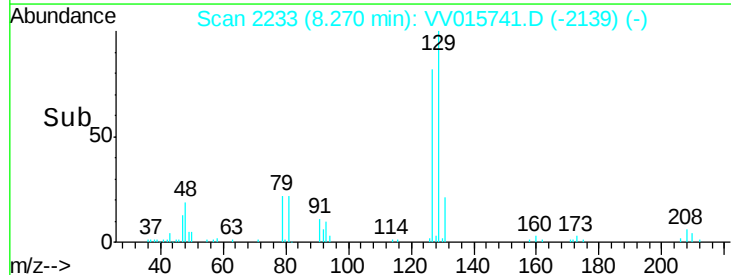
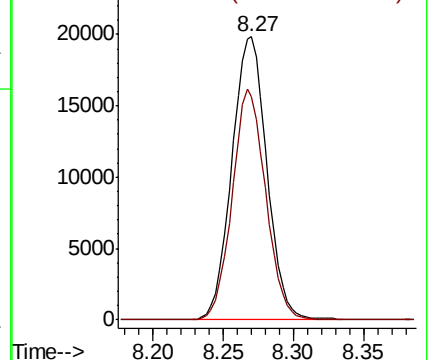


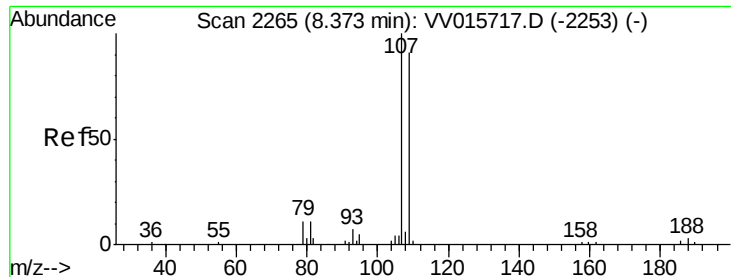
#49
Dibromochloromethane
Concen: 5.135 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion: 129 Resp: 34382
Ion Ratio Lower Upper
129 100
127 79.0 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

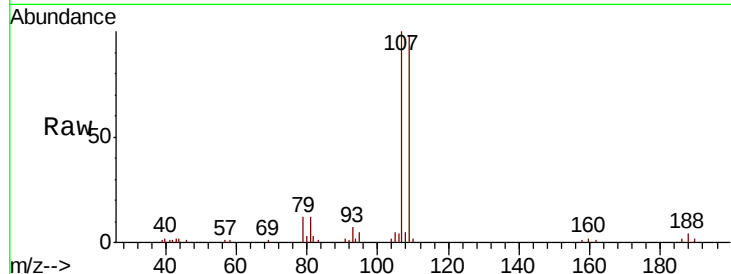




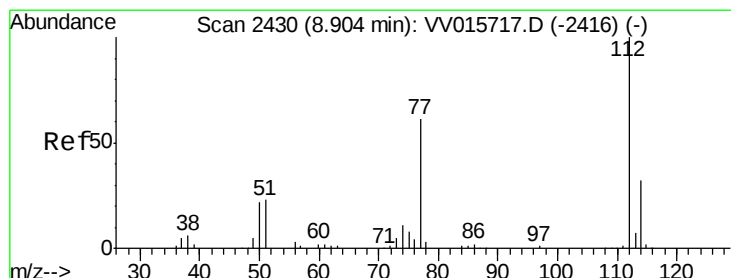
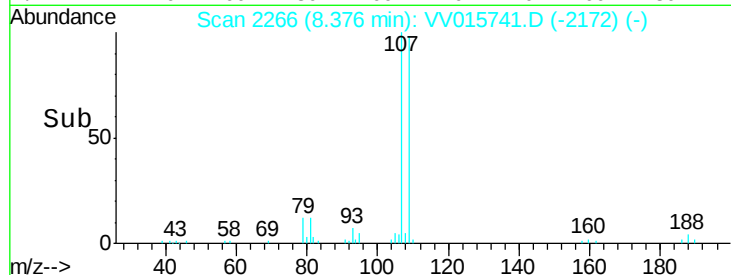
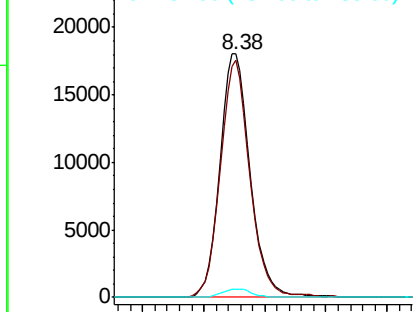
#50
1,2-Dibromoethane
Concen: 5.249 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.5	68.1	126.5
188	3.5	3.2	4.8

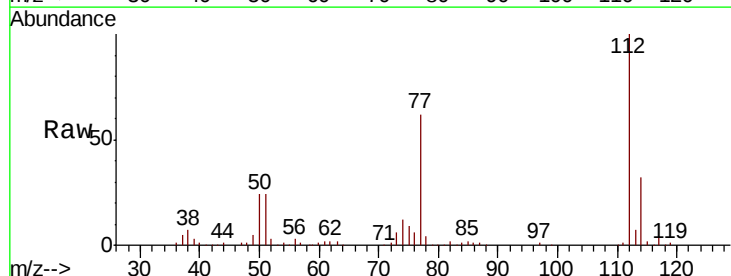


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

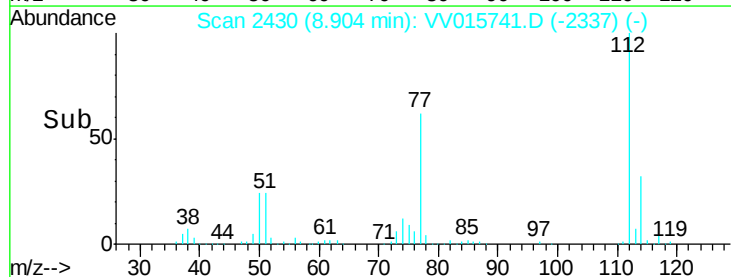
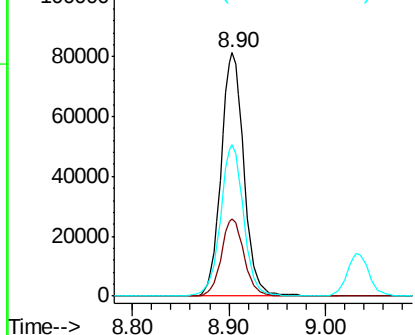


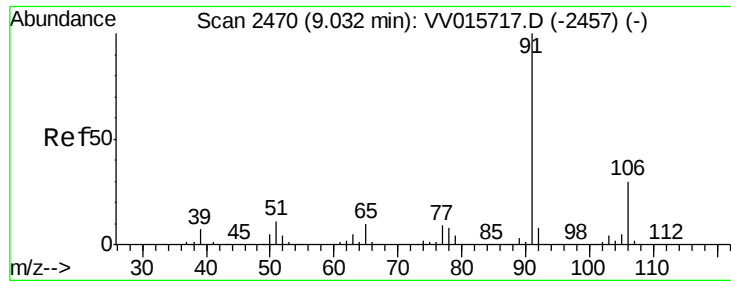
#51
Chlorobenzene
Concen: 5.056 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	21.6	40.2
77	62.1	48.9	73.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

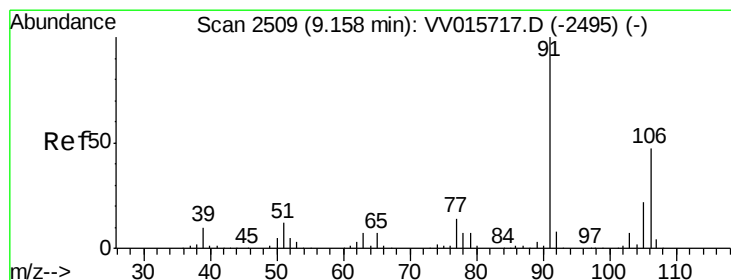
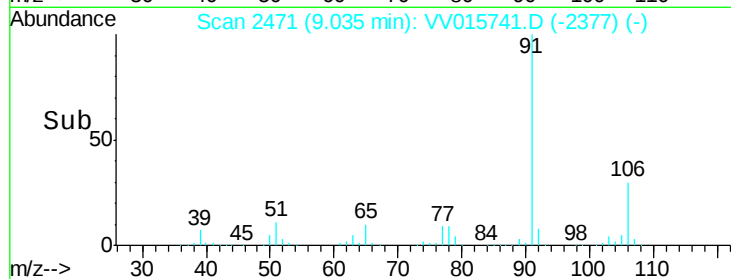
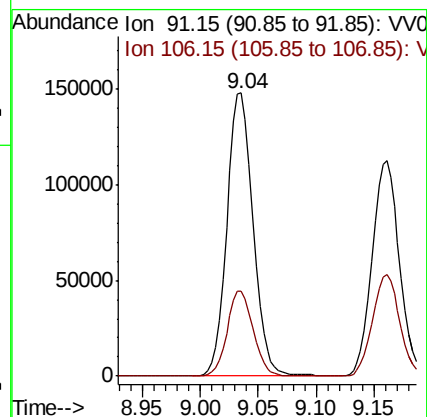
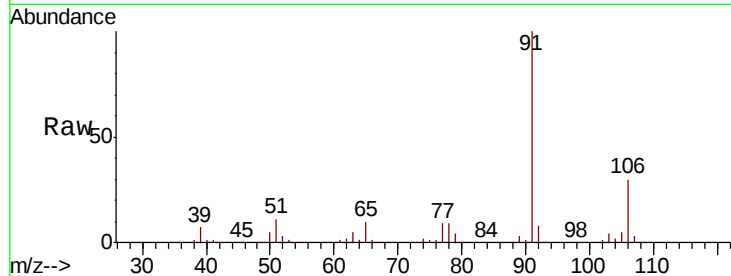




#52
Ethylbenzene
Concen: 5.025 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

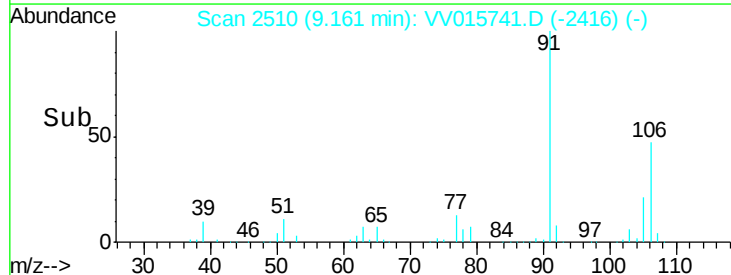
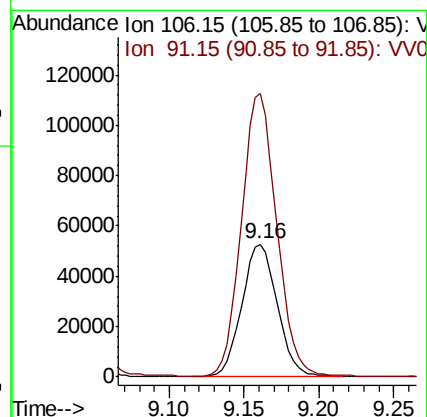
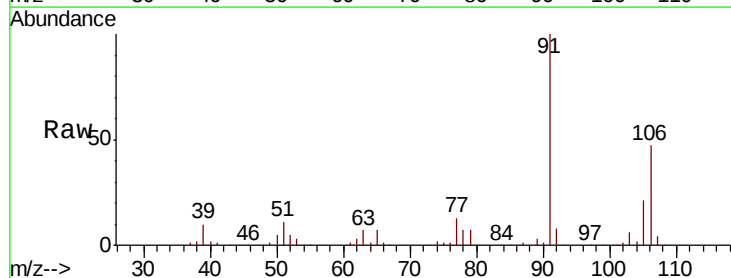
Instrument :
MSVOA_V
ClientSampleId :

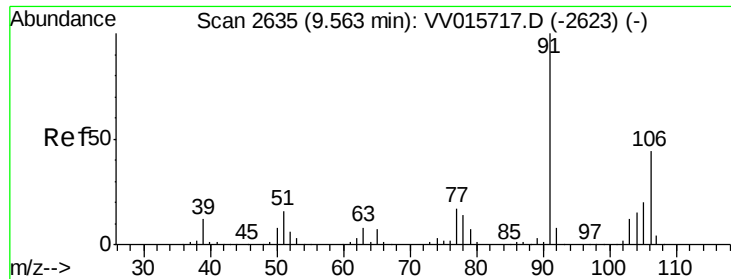
Tot Ion: 91 Resp: 232063
Ion Ratio Lower Upper
91 100
106 29.9 21.3 39.5



#53
m,p-xylene
Concen: 5.107 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015741.D
Acq: 27 Apr 2020 19:54

Tgt Ion: 106 Resp: 86388
Ion Ratio Lower Upper
106 100
91 213.1 147.8 274.4





#54

o-xylene

Concen: 5.168 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

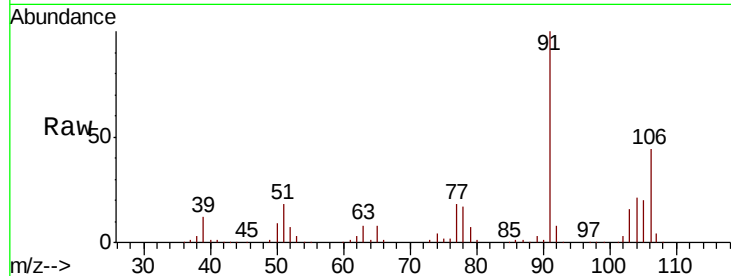
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 84581

Ion Ratio Lower Upper

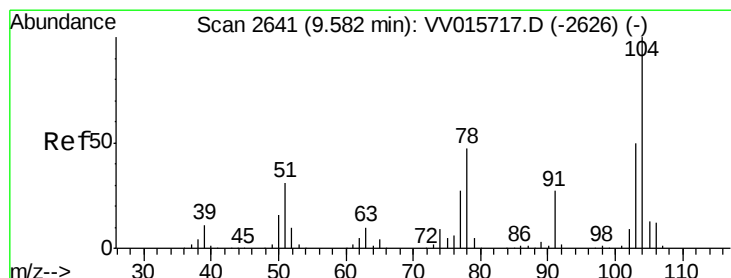
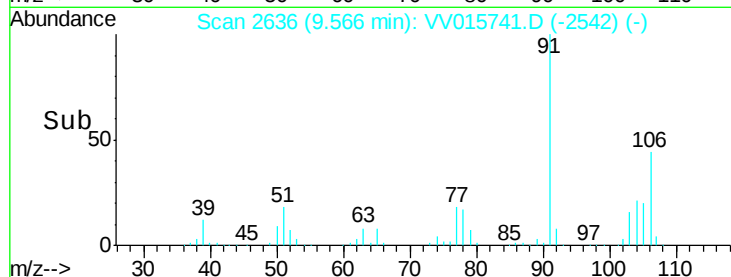
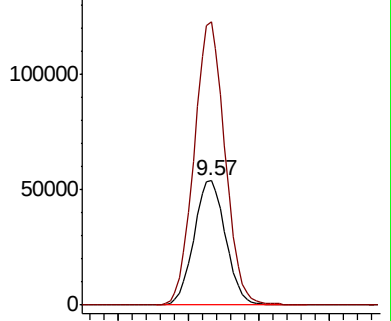
106 100

91 227.6 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.177 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV015741.D

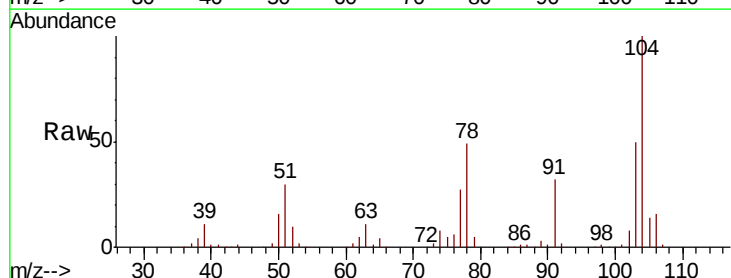
Acq: 27 Apr 2020 19:54

Tgt Ion:104 Resp: 143763

Ion Ratio Lower Upper

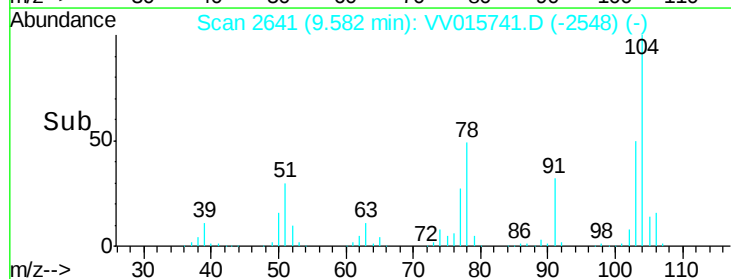
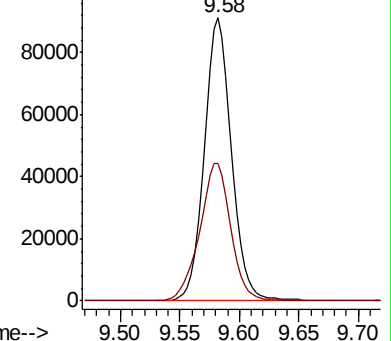
104 100

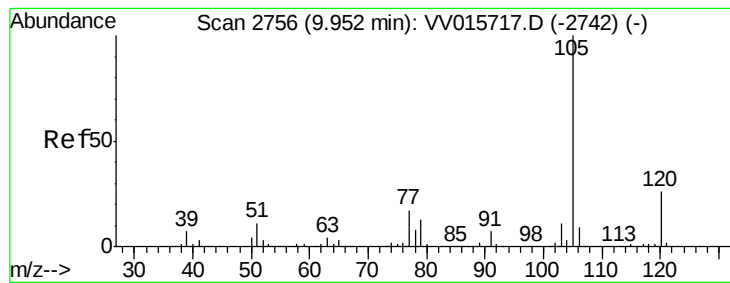
78 48.6 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.001 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :
MSVOA_V
ClientSampleId :

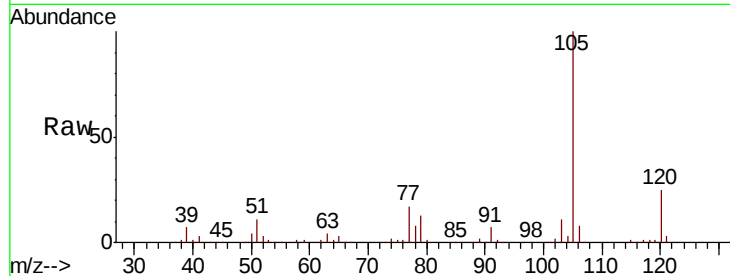
Tot Ion:105 Resp: 229620

Ion Ratio Lower Upper

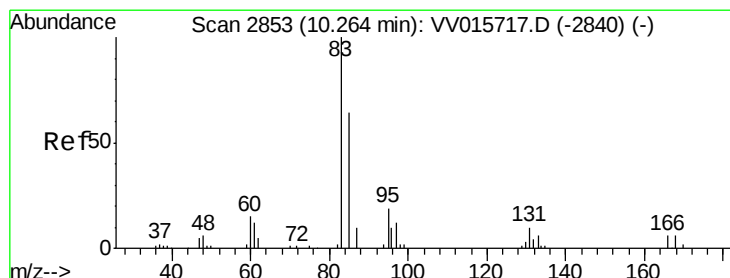
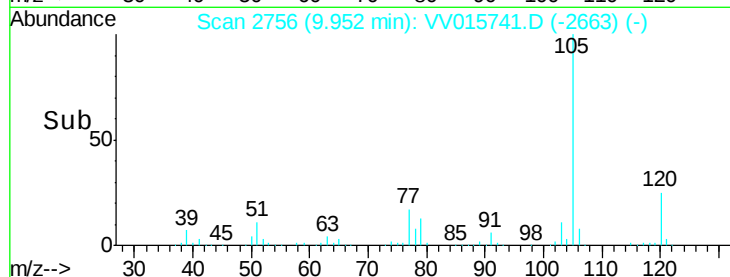
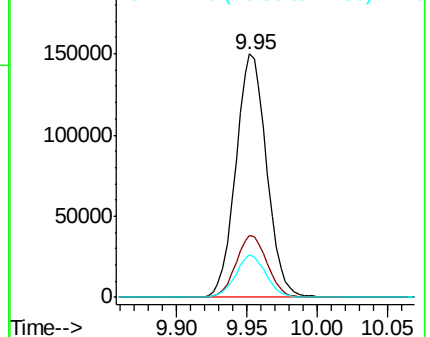
105 100

120 25.6 20.7 31.1

77 17.3 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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.295 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

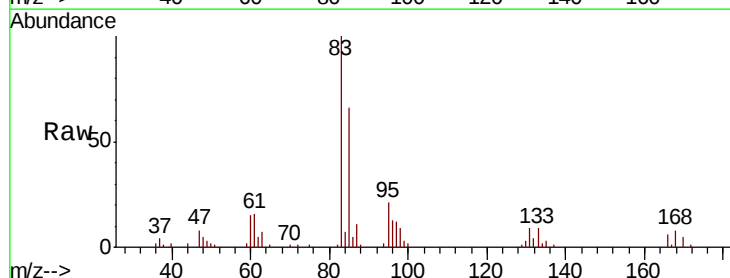
Tgt Ion: 83 Resp: 40006

Ion Ratio Lower Upper

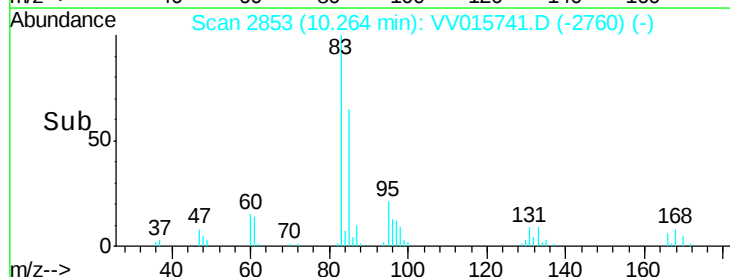
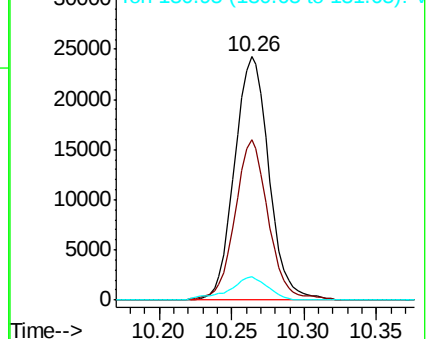
83 100

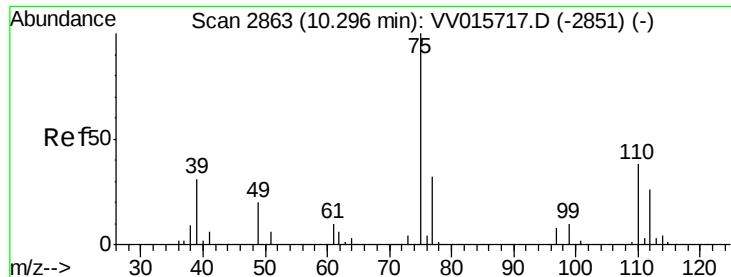
85 65.8 46.3 85.9

131 9.4 7.7 11.5



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

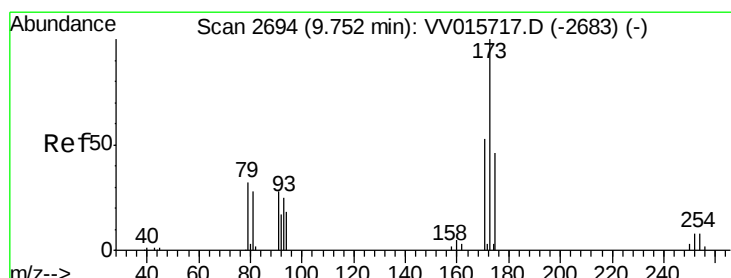
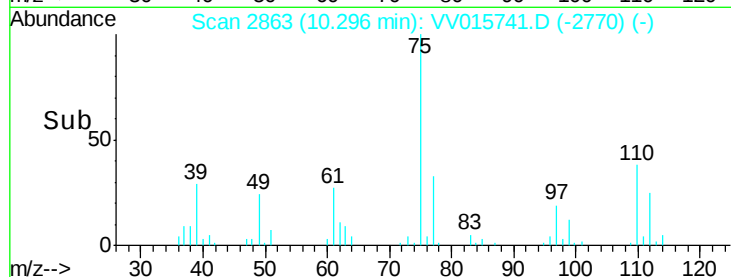
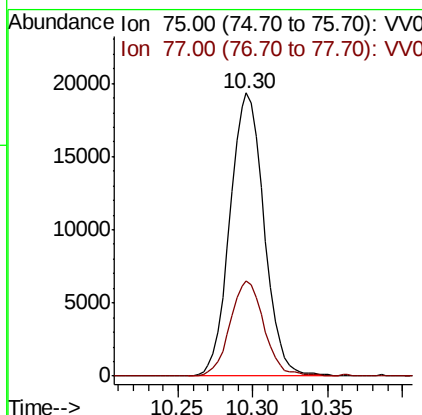
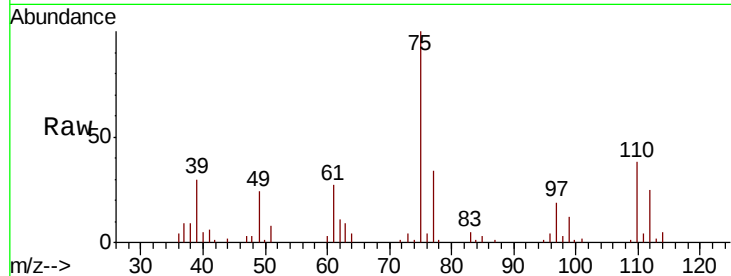




#59
 1,2,3-Trichloropropane
 Concen: 5.069 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

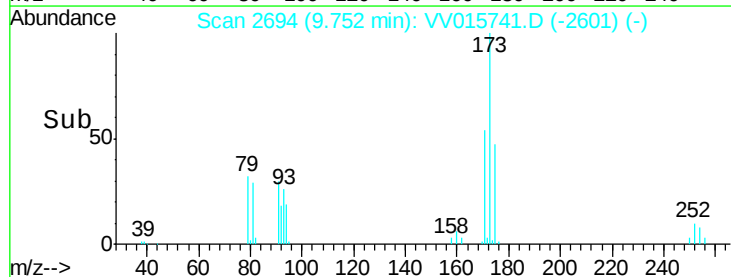
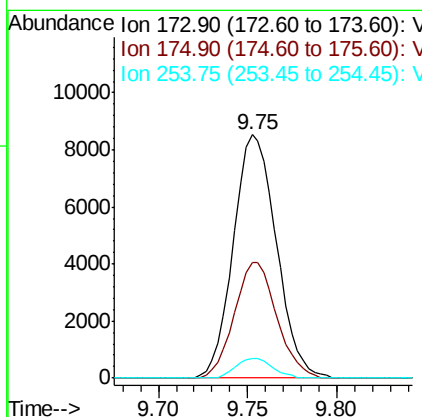
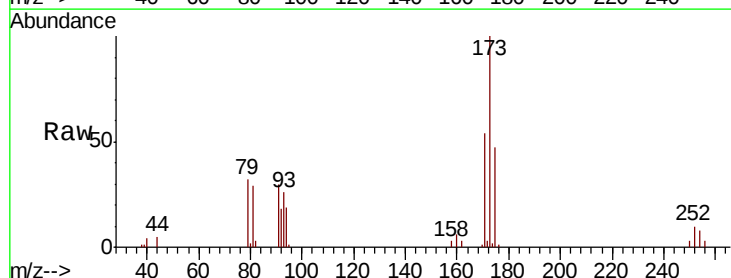
Instrument :
 MSVOA_V
 ClientSampleId :

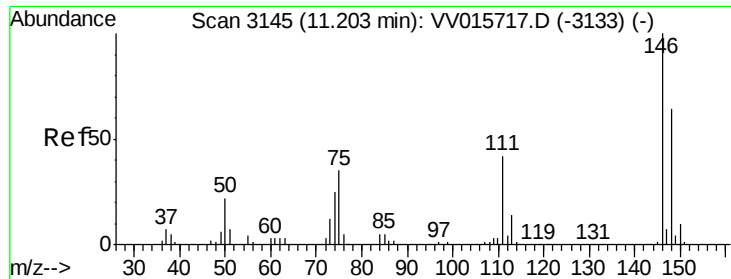
Tot Ion: 75 Resp: 30722
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.0 39.0



#61
 Bromoform
 Concen: 5.287 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion: 173 Resp: 14357
 Ion Ratio Lower Upper
 173 100
 175 46.8 39.8 59.8
 254 7.0 5.8 8.8

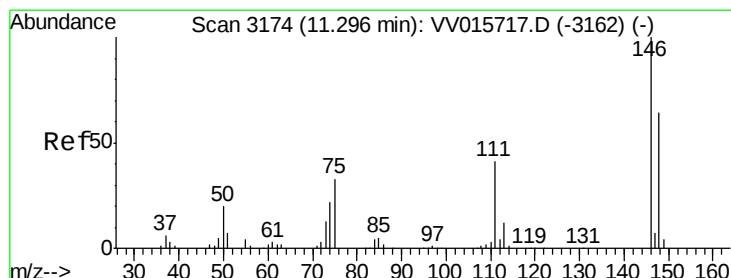
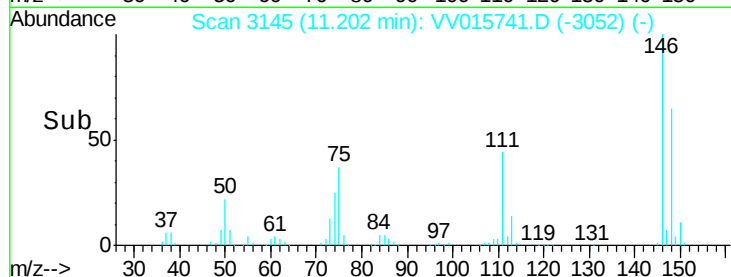
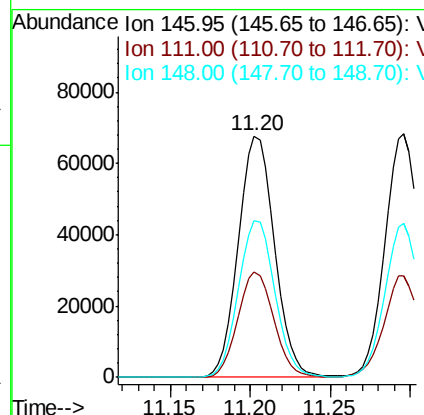
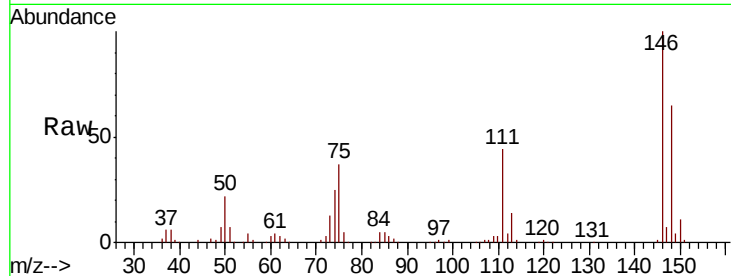




#62
 1,3-Dichlorobenzene
 Concen: 5.016 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

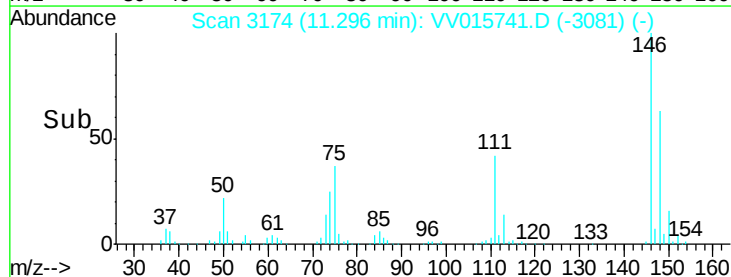
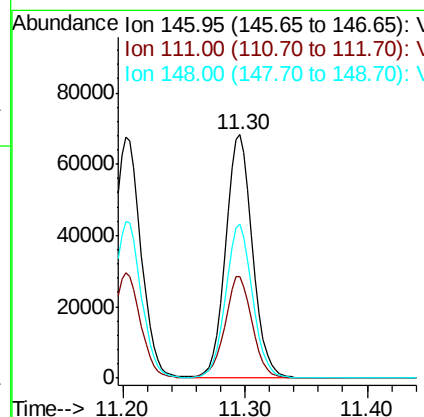
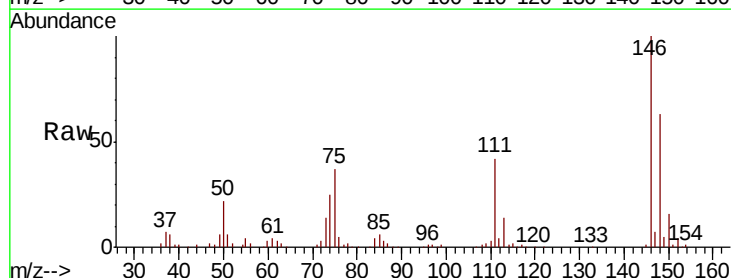
Instrument :
 MSVOA_V
 ClientSampled :

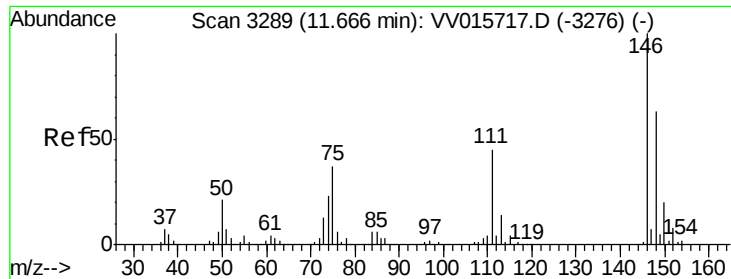
Tot Ion:146 Resp: 104433
 Ion Ratio Lower Upper
 146 100
 111 43.5 30.0 55.6
 148 64.8 44.2 82.2



#63
 1,4-Dichlorobenzene
 Concen: 5.054 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion:146 Resp: 106116
 Ion Ratio Lower Upper
 146 100
 111 41.7 28.2 52.4
 148 63.3 45.7 84.9





#65

1,2-Dichlorobenzene

Concen: 5.167 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

ClientSampled :

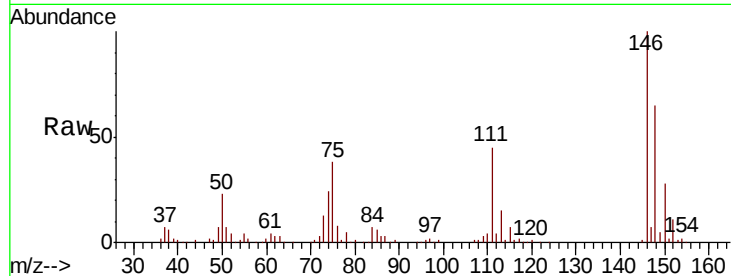
Tot Ion:146 Resp: 97290

Ion Ratio Lower Upper

146 100

111 45.0 34.7 52.1

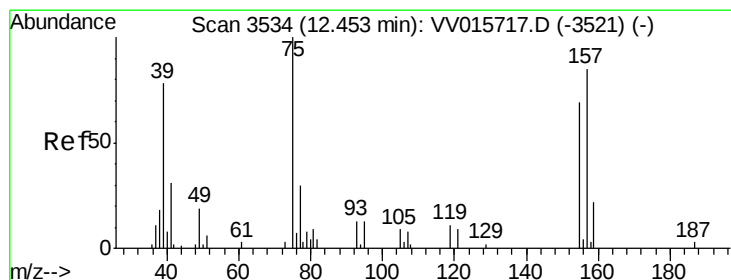
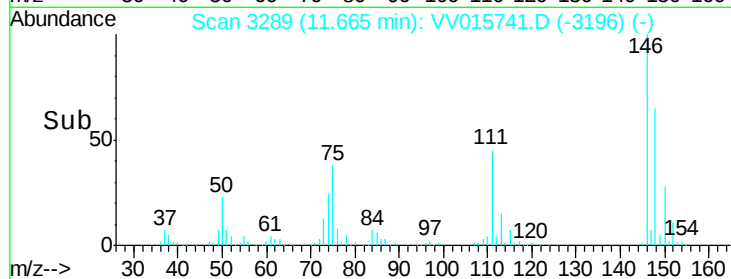
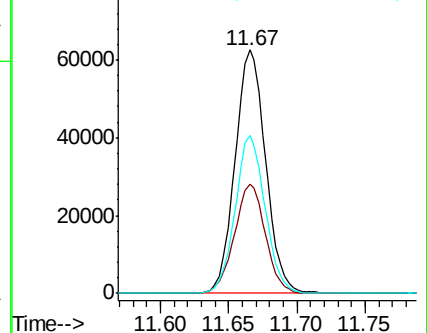
148 64.7 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.736 ug/L

RT: 12.46 min Scan# 3535

Delta R.T. 0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

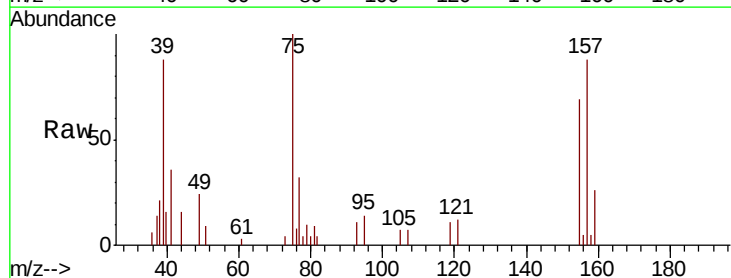
Tgt Ion: 75 Resp: 5810

Ion Ratio Lower Upper

75 100

155 68.7 51.0 76.4

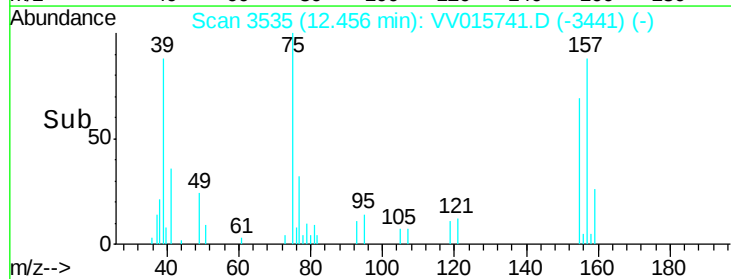
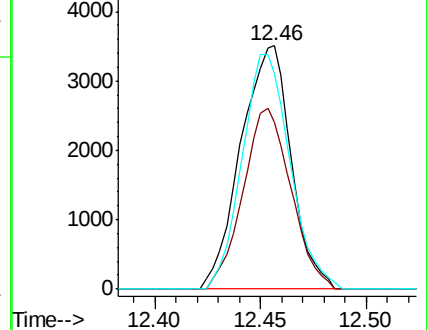
157 88.3 70.6 106.0

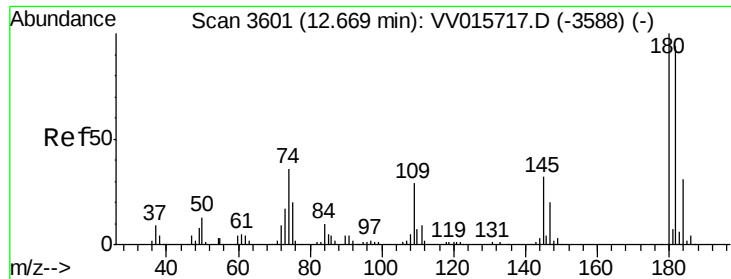


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

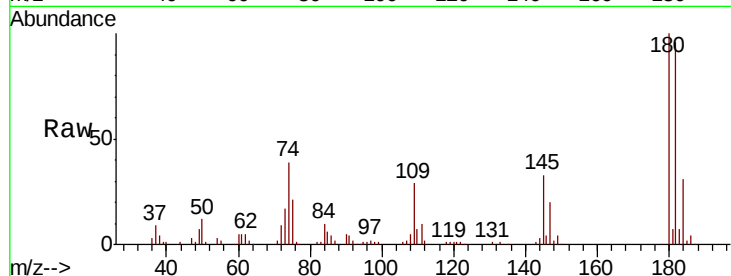




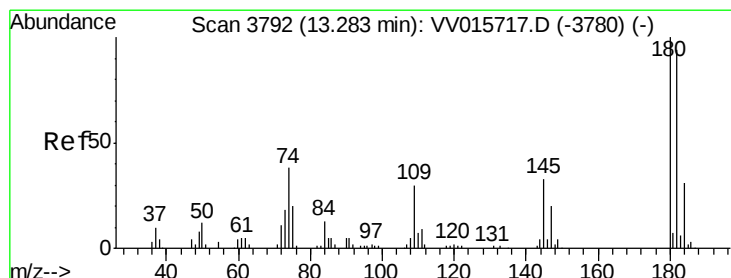
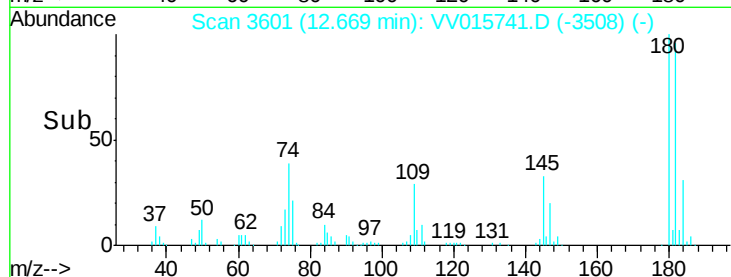
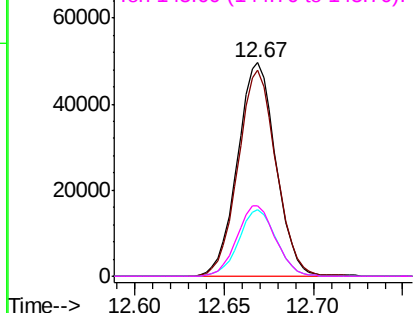
#67
 1,3,5-Trichlorobenzene
 Concen: 4.845 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 74542
 Ion Ratio Lower Upper
 180 100
 182 95.7 78.2 117.4
 184 30.5 25.0 37.4
 145 33.0 26.4 39.6

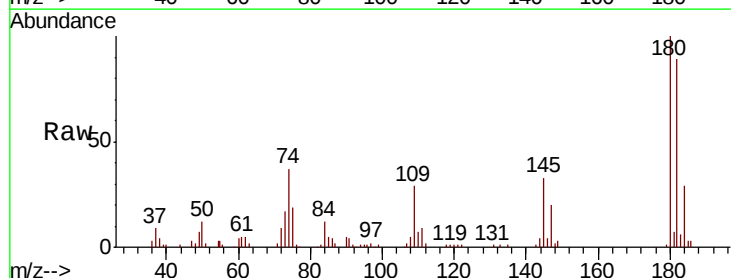


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

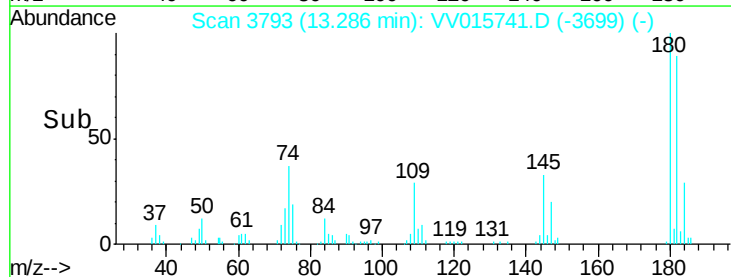
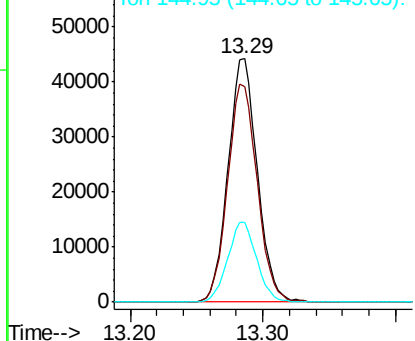


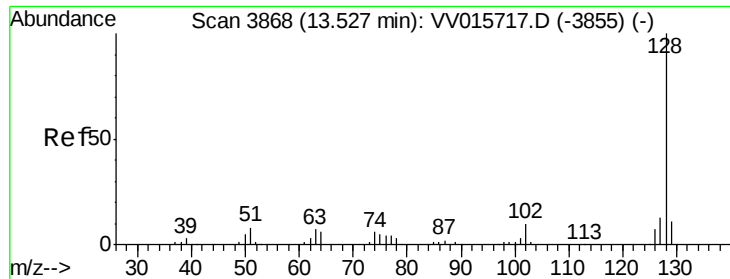
#68
 1,2,4-trichlorobenzene
 Concen: 4.789 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015741.D
 Acq: 27 Apr 2020 19:54

Tgt Ion:180 Resp: 67820
 Ion Ratio Lower Upper
 180 100
 182 90.8 74.8 112.2
 145 32.5 25.9 38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.495 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

Instrument :

MSVOA_V

ClientSampleId :

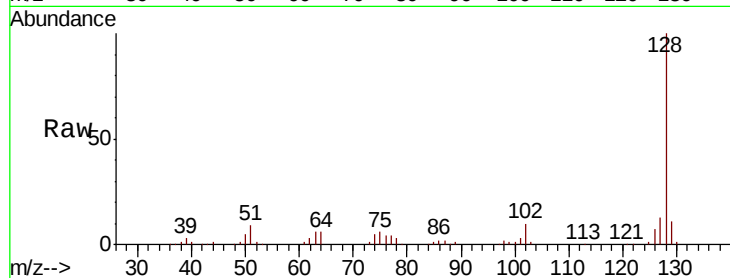
Tot Ion:128 Resp: 113912

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

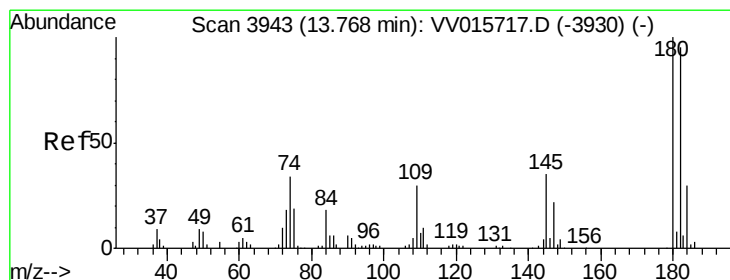
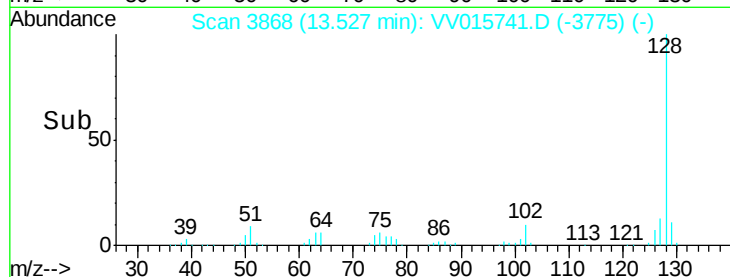
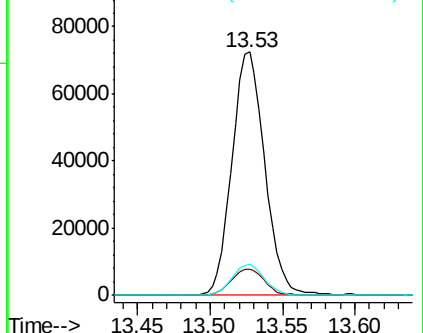
127 12.5 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.801 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015741.D

Acq: 27 Apr 2020 19:54

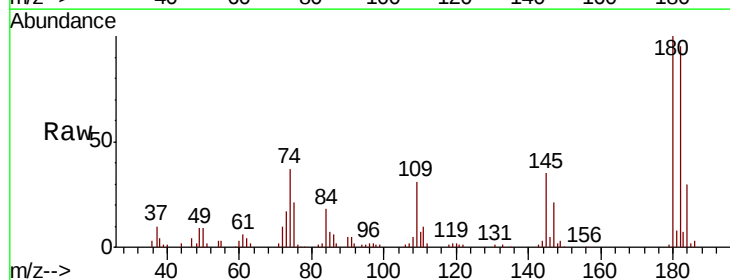
Tgt Ion:180 Resp: 60004

Ion Ratio Lower Upper

180 100

182 93.7 74.8 112.2

145 35.7 28.4 42.6



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

