

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042720\
 Data File : VV015717.D
 Acq On : 27 Apr 2020 10:01
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 28 01:42:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 12:55:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	136231	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	131848	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	68458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	30514	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.57	69	32395	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.40%
11) 1,1-Dichloroethene-d2	2.12	63	76240	4.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.80%
20) 2-Butanone-d5	3.94	46	123852	54.18	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.36%
24) Chloroform-d	4.37	84	87089	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.05	65	47316	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.07	84	156879	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.09	67	50766	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.33	98	147521	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
43) trans-1,3-Dichloropropene-	7.64	79	19464	5.00	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.00%
46) 2-Hexanone-d5	8.11	63	95484	50.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.70%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	39042	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	55772	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	65939	5.651	ug/L 99
3) Chloromethane	1.25	50	58028	5.748	ug/L 98
5) Vinyl chloride	1.32	62	60817	5.641	ug/L 100
6) Bromomethane	1.53	94	25663	5.544	ug/L 97
8) Chloroethane	1.59	64	38691	5.464	ug/L 99
9) Trichlorofluoromethane	1.76	101	88342	5.839	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	49863	5.825	ug/L 97
12) 1,1-Dichloroethene	2.13	96	45246	5.707	ug/L 95
13) Acetone	2.22	43	96551	60.826	ug/L 68
14) Carbon disulfide	2.30	76	126261	5.633	ug/L 100
15) Methyl Acetate	2.46	43	21469	5.687	ug/L 97
16) Methylene chloride	2.52	84	53191	5.434	ug/L 98
17) Methyl tert-butyl Ether	2.79	73	124324	5.586	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	50785	5.720	ug/L 99
19) 1,1-Dichloroethane	3.21	63	100483	5.764	ug/L 100
21) 2-Butanone	4.02	43	140749	57.486	ug/L 97
22) cis-1,2-Dichloroethene	3.93	96	53963	5.497	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

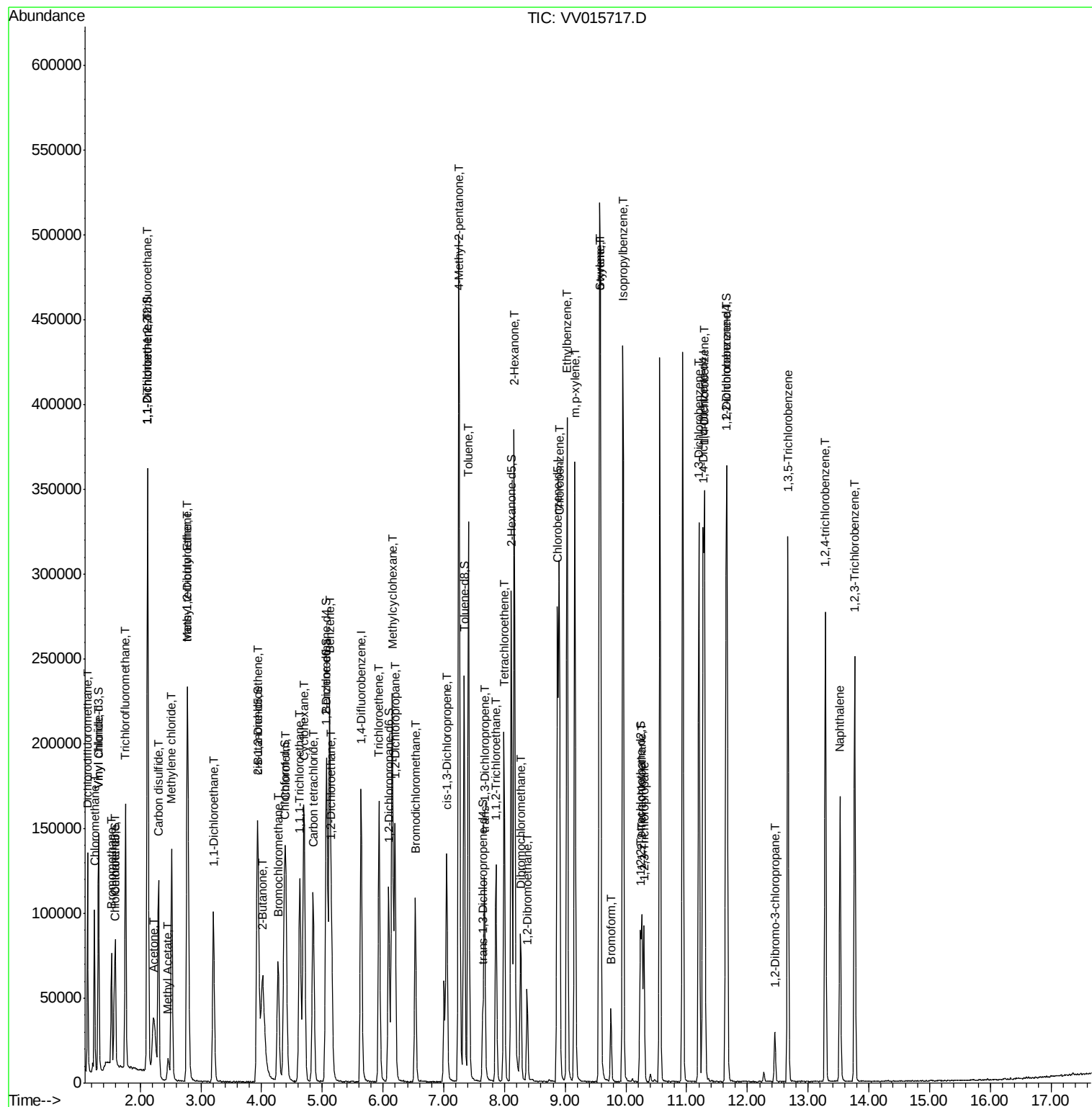
23) Bromochloromethane	4.27	128	22889	5.709	ug/L	99
25) Chloroform	4.40	83	106663	5.764	ug/L	97
27) 1,2-Dichloroethane	5.15	62	68288	5.617	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	96258	5.757	ug/L	99
30) Cyclohexane	4.70	56	85934	5.379	ug/L	100
31) Carbon tetrachloride	4.85	117	80368	5.804	ug/L	98
33) Benzene	5.12	78	211050	5.603	ug/L	100
34) Trichloroethene	5.93	95	57177	5.496	ug/L	98
35) Methylcyclohexane	6.15	83	85154	5.333	ug/L	98
37) 1,2-Dichloropropane	6.20	63	53907	5.630	ug/L	99
38) Bromodichloromethane	6.53	83	69733	5.735	ug/L #	98
39) cis-1,3-Dichloropropene	7.05	75	73368	5.497	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	345891	55.661	ug/L	99
42) Toluene	7.41	91	226478	5.627	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	62225	5.548	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	37132	5.690	ug/L	99
47) Tetrachloroethene	8.00	164	41492	5.539	ug/L	96
48) 2-Hexanone	8.16	43	251241	56.694	ug/L	100
49) Dibromochloromethane	8.27	129	40452	5.989	ug/L	100
50) 1,2-Dibromoethane	8.37	107	34238	5.673	ug/L	93
51) Chlorobenzene	8.90	112	144626	5.485	ug/L	99
52) Ethylbenzene	9.03	91	259626	5.574	ug/L	99
53) m,p-xylene	9.16	106	96784	5.673	ug/L	100
54) o-xylene	9.56	106	91947	5.570	ug/L	99
55) Styrene	9.58	104	158434	5.656	ug/L	97
56) Isopropylbenzene	9.95	105	259172	5.596	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	43377	5.692	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	33384	5.461	ug/L	99
61) Bromoform	9.75	173	17543	6.208	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	118902	5.488	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	118304	5.414	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	108120	5.517	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	7531	5.899	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	87120	5.441	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	74765	5.074	ug/L	99
69) Naphthalene	13.53	128	123590	4.686	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	66401	5.105	ug/L	99

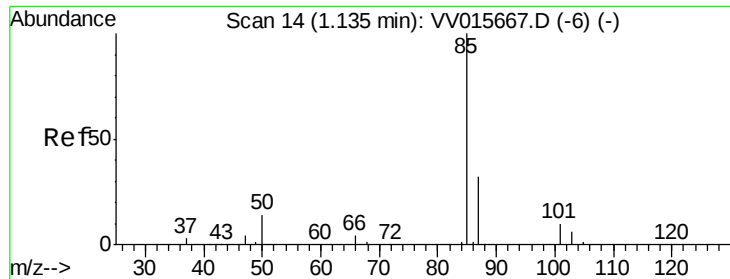
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.651 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

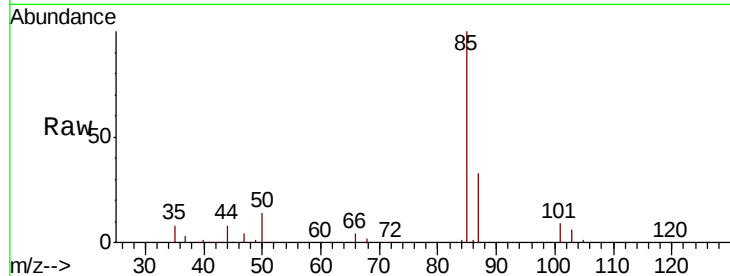
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 65939

Ion Ratio Lower Upper

85 100

87 31.9 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV015667.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV015667.D (-6) (-)

1.14

60000

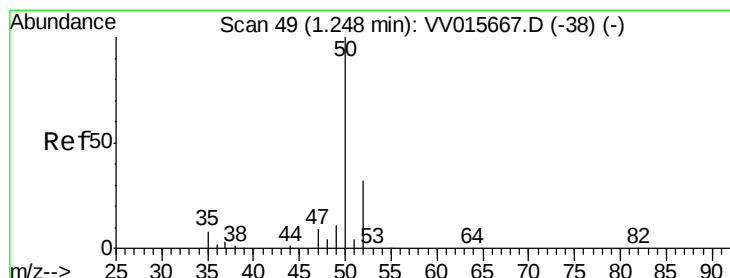
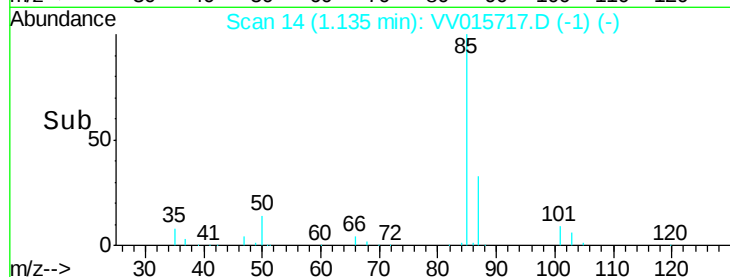
40000

20000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 5.748 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015717.D

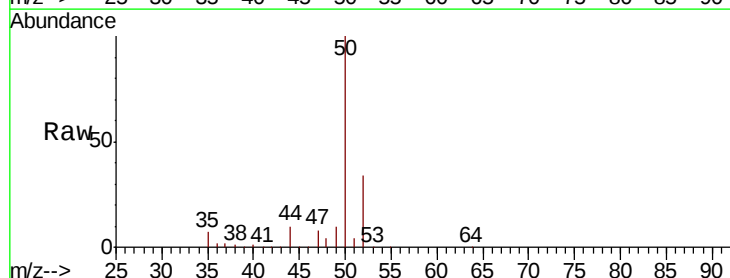
Acq: 27 Apr 2020 10:01

Tgt Ion: 50 Resp: 58028

Ion Ratio Lower Upper

50 100

52 33.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV015667.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV015667.D (-38) (-)

1.25

60000

50000

40000

30000

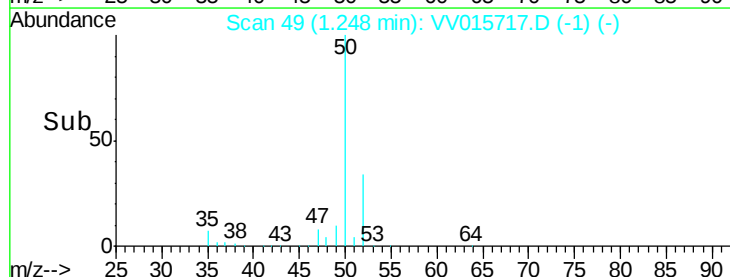
20000

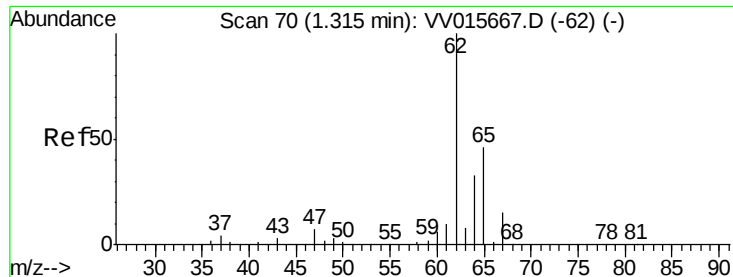
10000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 5.641 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

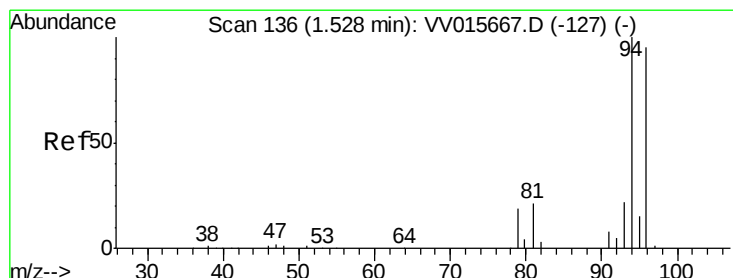
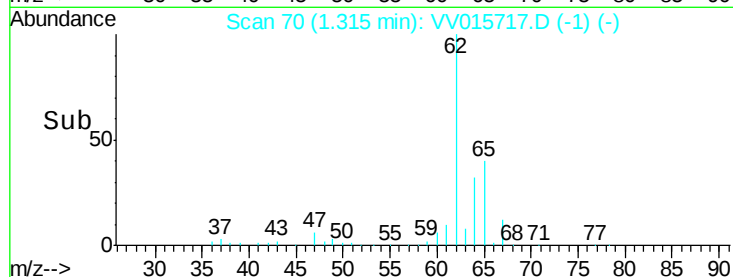
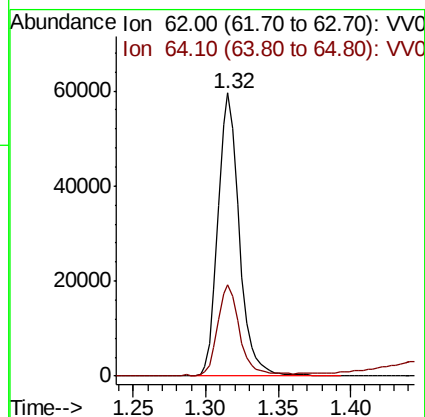
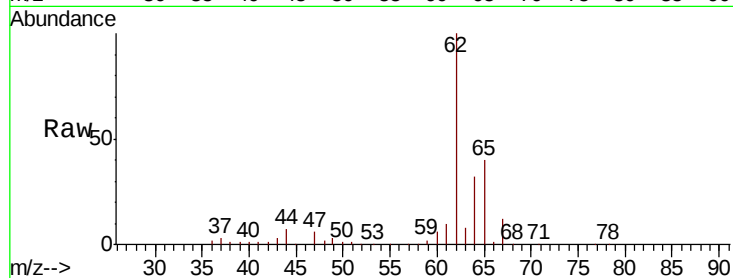
ClientSampleId :

Tot Ion: 62 Resp: 60817

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.1



#6

Bromomethane

Concen: 5.544 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015717.D

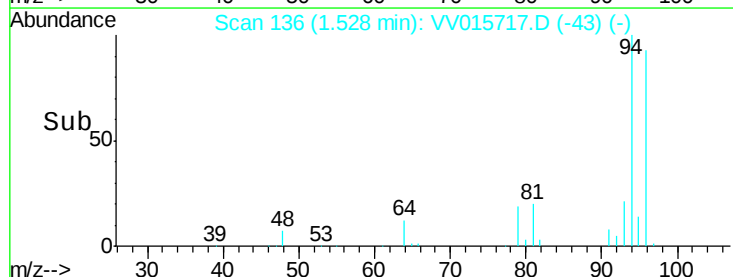
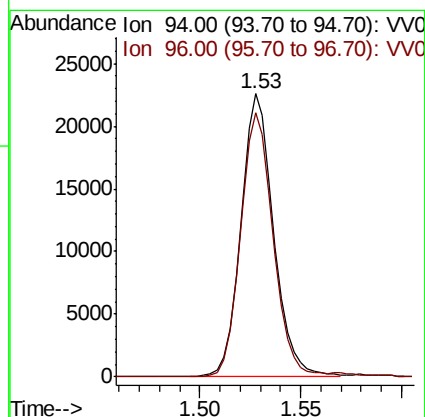
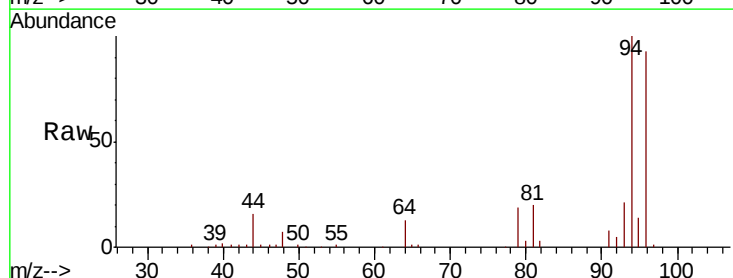
Acq: 27 Apr 2020 10:01

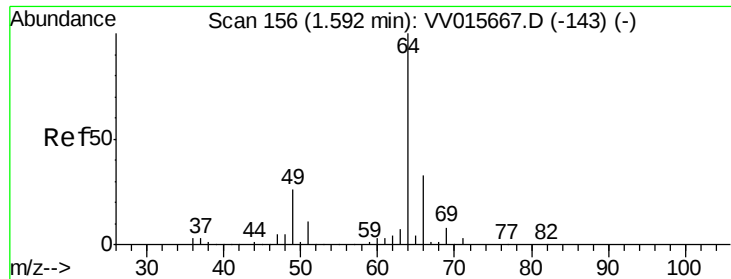
Tgt Ion: 94 Resp: 25663

Ion Ratio Lower Upper

94 100

96 93.3 67.3 125.1





#8

Chloroethane

Concen: 5.464 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

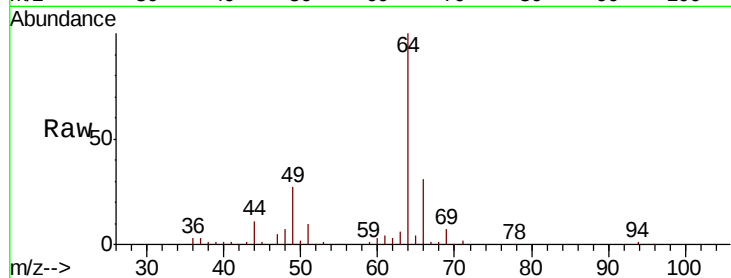
ClientSampleId :

Tot Ion: 64 Resp: 38691

Ion Ratio Lower Upper

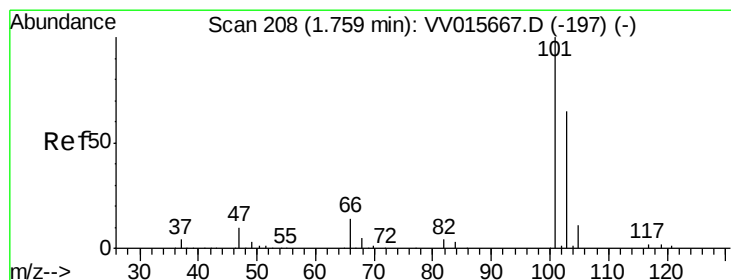
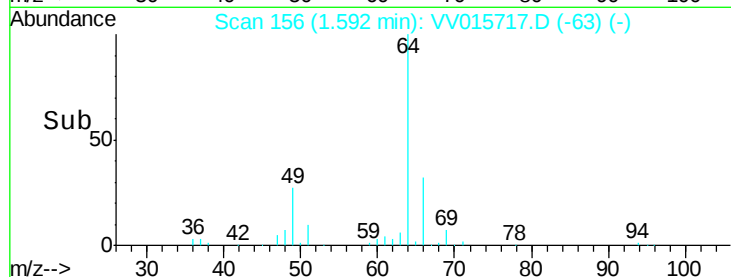
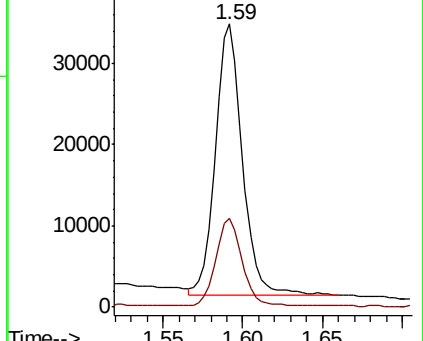
64 100

66 31.4 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015717.D (-63) (-)

Ion 66.05 (65.75 to 66.75): VV015717.D (-63) (-)



#9

Trichlorofluoromethane

Concen: 5.839 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015717.D

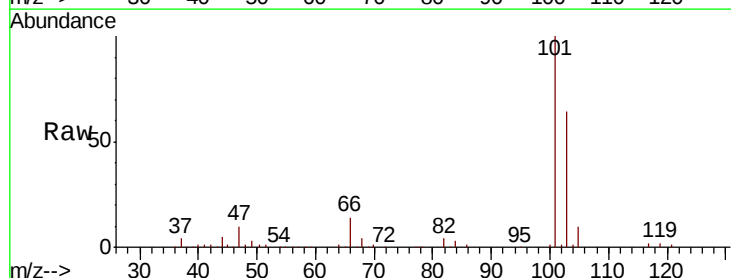
Acq: 27 Apr 2020 10:01

Tgt Ion: 101 Resp: 88342

Ion Ratio Lower Upper

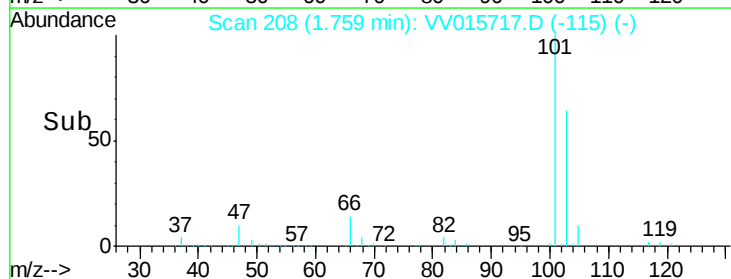
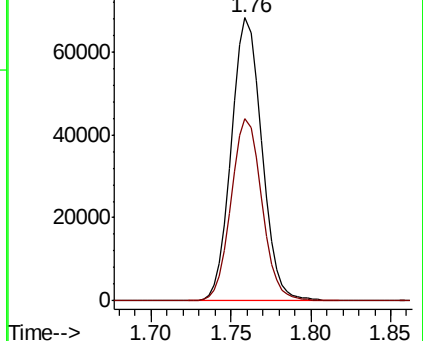
101 100

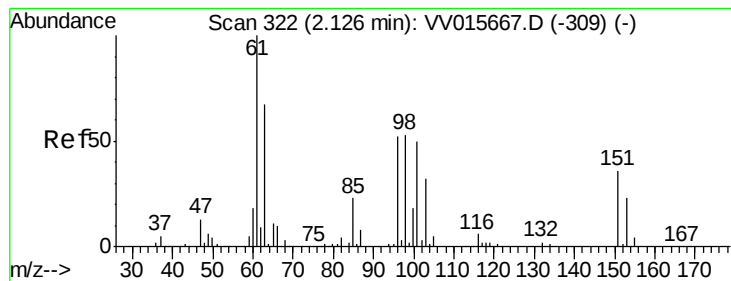
103 64.7 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015717.D (-115) (-)

Ion 103.00 (102.70 to 103.70): VV015717.D (-115) (-)





#10

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

Concen: 5.825 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampled :

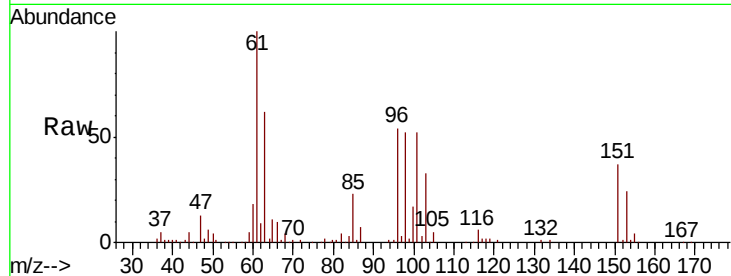
Tot Ion:101 Resp: 49863

Ion Ratio Lower Upper

101 100

85 44.0 36.1 54.1

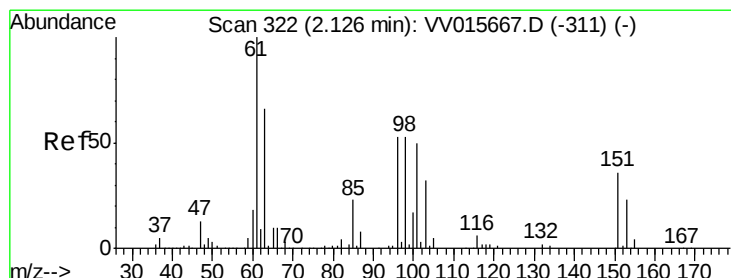
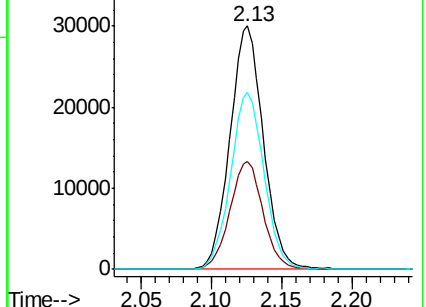
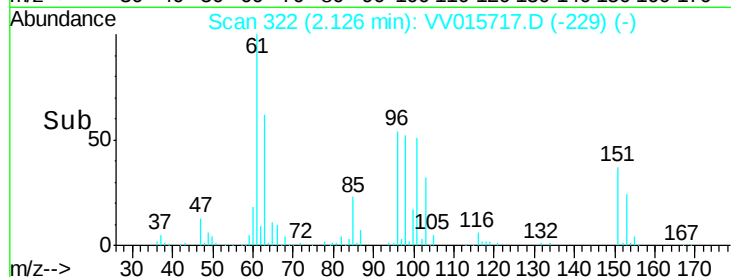
151 72.6 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015717.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015717.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015717.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.707 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

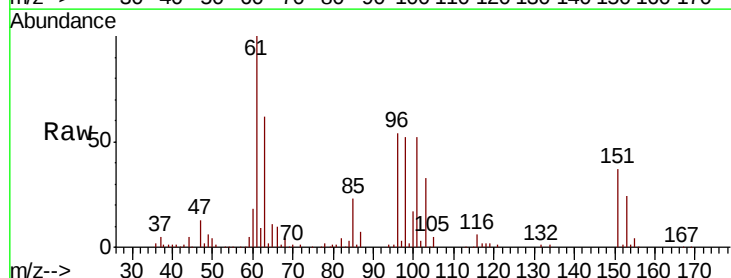
Tgt Ion: 96 Resp: 45246

Ion Ratio Lower Upper

96 100

61 186.3 130.1 241.7

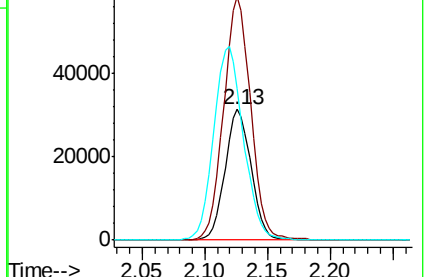
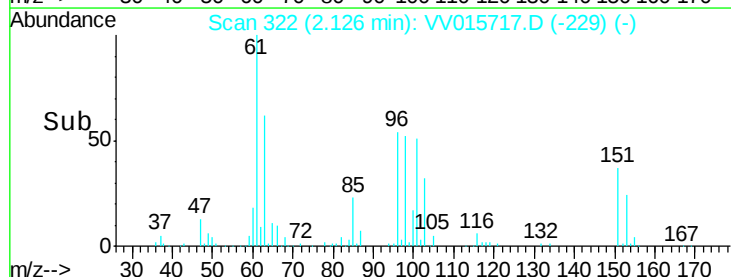
63 116.1 91.4 169.8

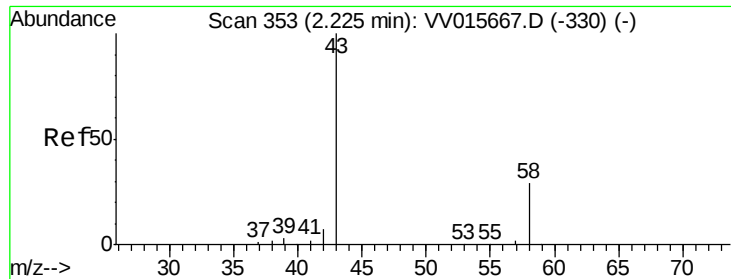


Abundance Ion 96.00 (95.70 to 96.70): VV015717.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015717.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015717.D (-229) (-)





#13

Acetone

Concen: 60.826 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.02 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

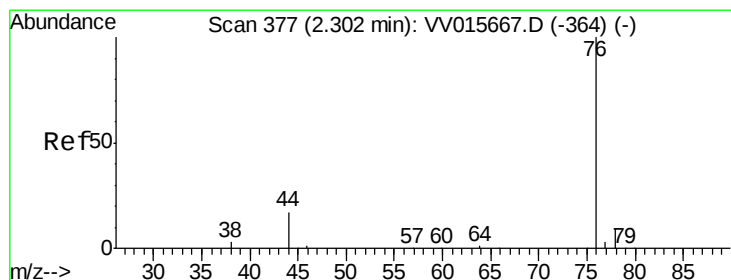
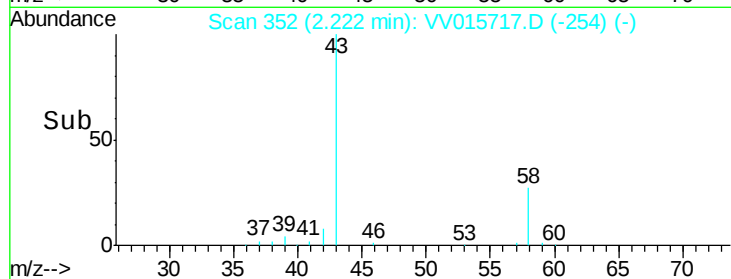
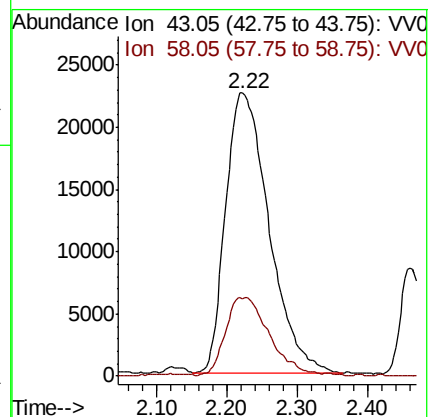
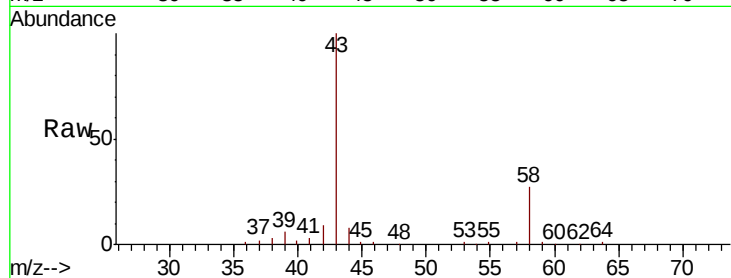
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 96551

Ion Ratio Lower Upper

43 100

58 11.6 0.0 57.6



#14

Carbon disulfide

Concen: 5.633 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015717.D

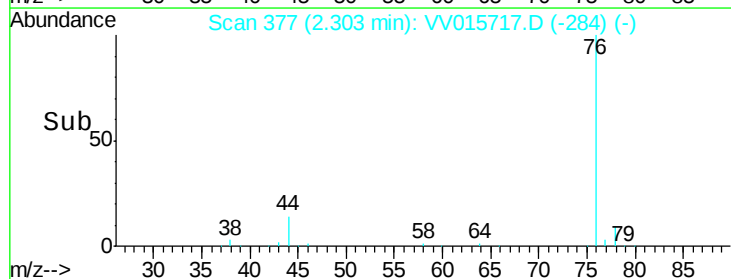
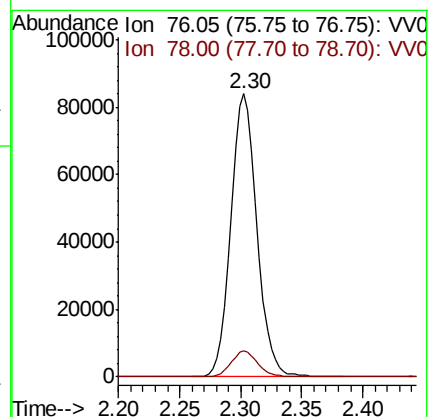
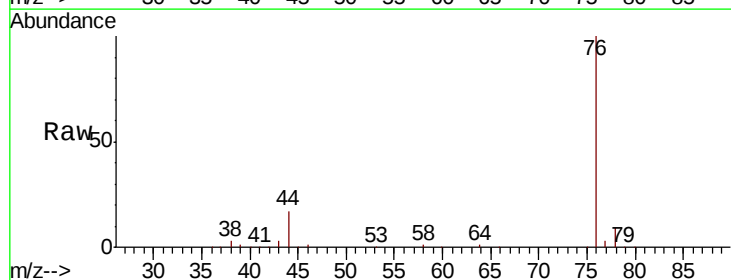
Acq: 27 Apr 2020 10:01

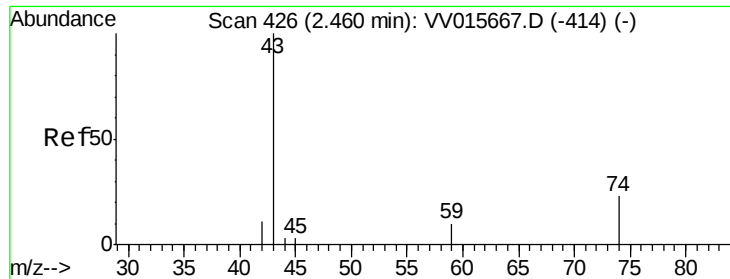
Tgt Ion: 76 Resp: 126261

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

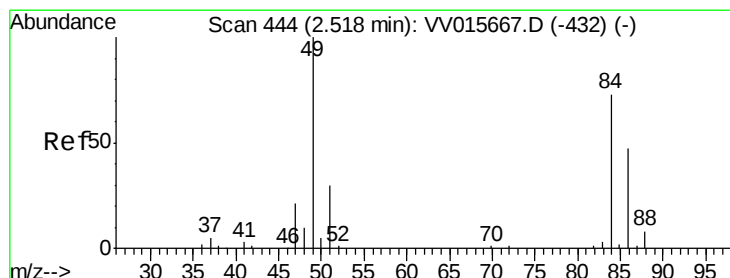
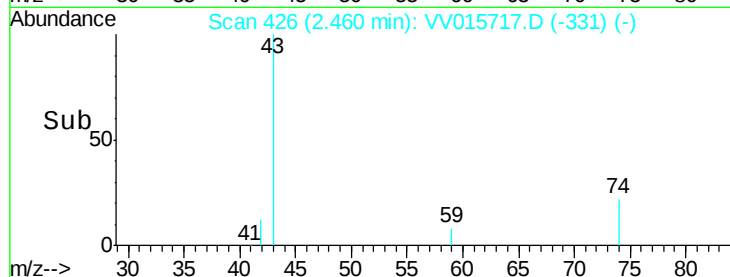
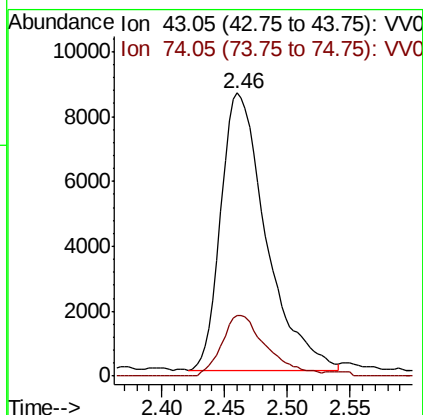
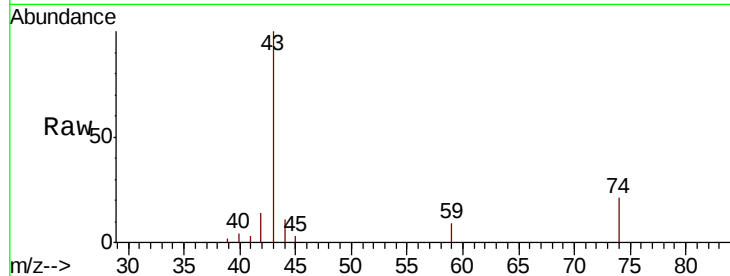




#15
Methvl Acetate
Concen: 5.687 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

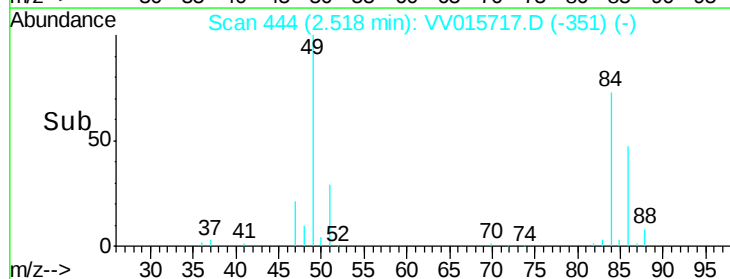
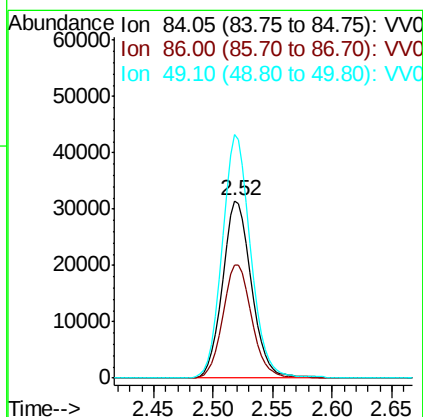
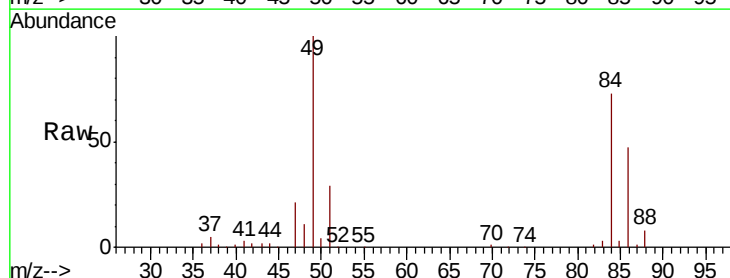
Instrument :
MSVOA_V
ClientSampleId :

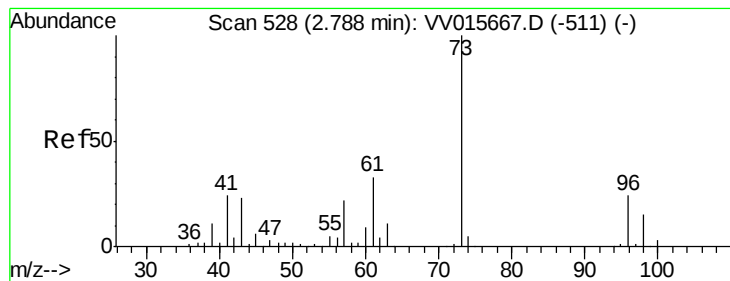
Tot Ion: 43 Resp: 21469
Ion Ratio Lower Upper
43 100
74 21.7 16.3 24.5



#16
Methylene chloride
Concen: 5.434 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Tgt Ion: 84 Resp: 53191
Ion Ratio Lower Upper
84 100
86 64.0 45.1 83.7
49 137.4 94.4 175.4



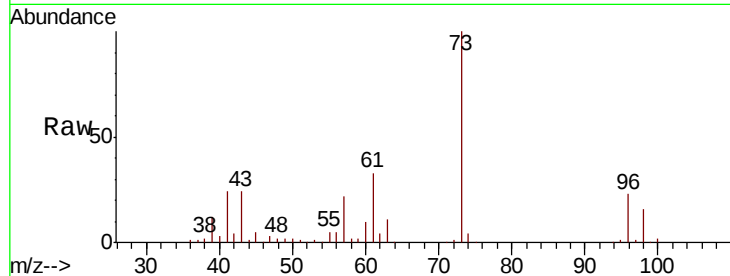


#17

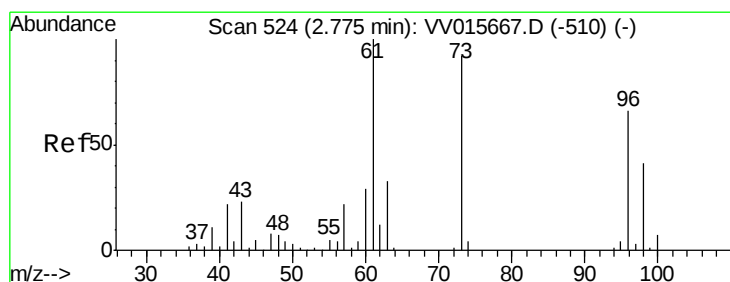
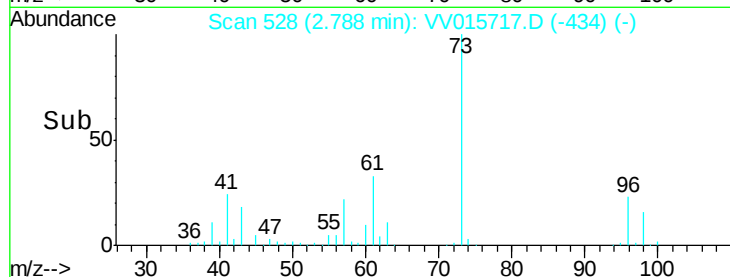
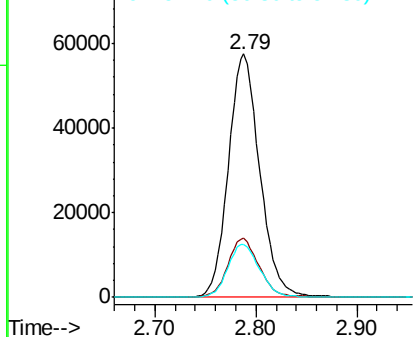
Methvl tert-butvl Ether
 Concen: 5.586 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.5	20.1	30.1
57	22.2	17.8	26.8



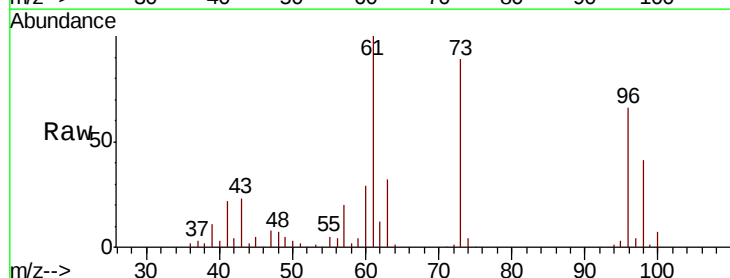
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



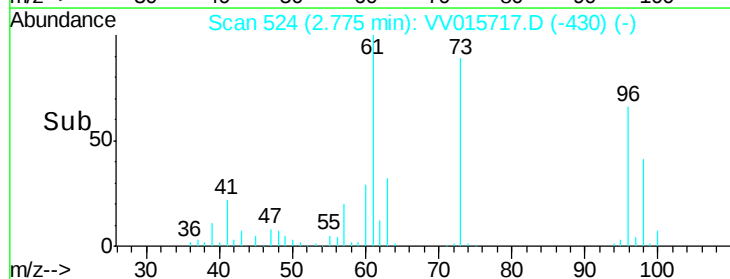
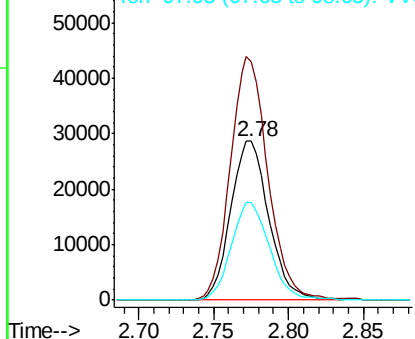
#18

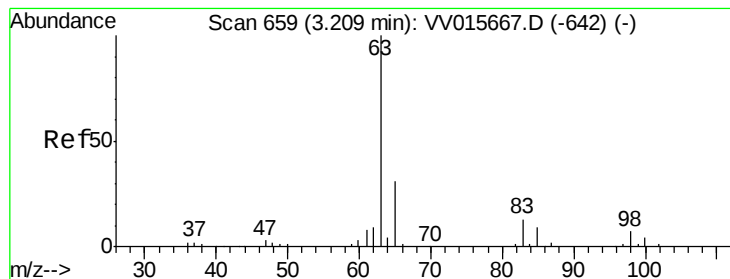
trans-1,2-Dichloroethene
 Concen: 5.720 ug/L
 RT: 2.78 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	105.5	195.9
98	61.5	44.2	82.0



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: 5.764 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

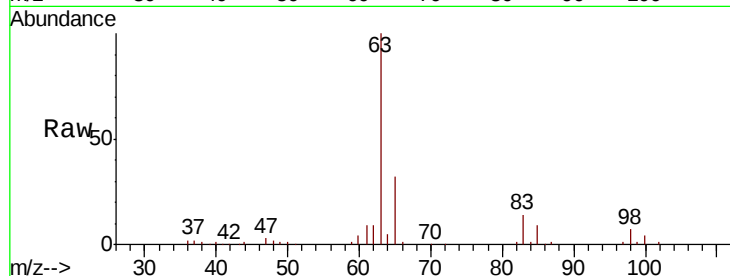
Tot Ion: 63 Resp: 100483

Ion Ratio Lower Upper

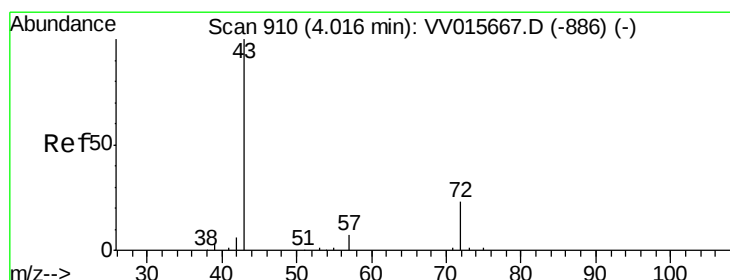
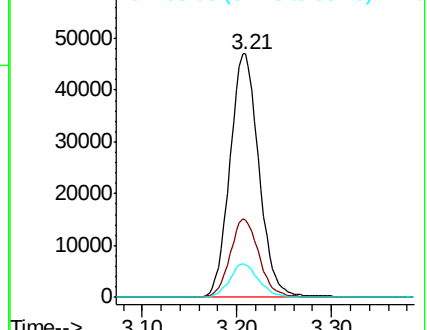
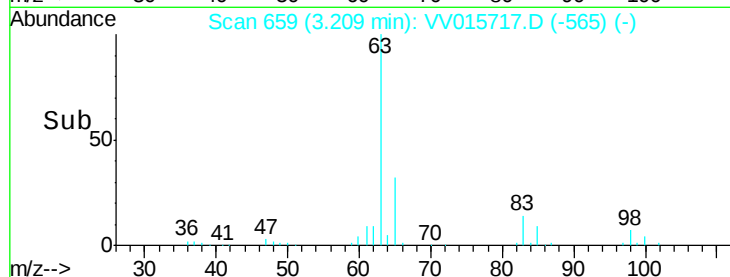
63 100

65 31.8 22.3 41.3

83 13.6 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015717.D (-565) (-)



#21

2-Butanone

Concen: 57.486 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.01 min

Lab File: VV015717.D

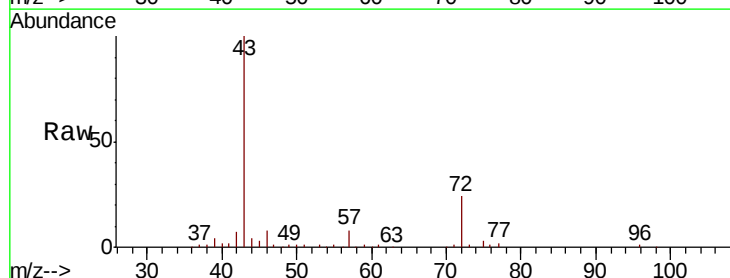
Acq: 27 Apr 2020 10:01

Tgt Ion: 43 Resp: 140749

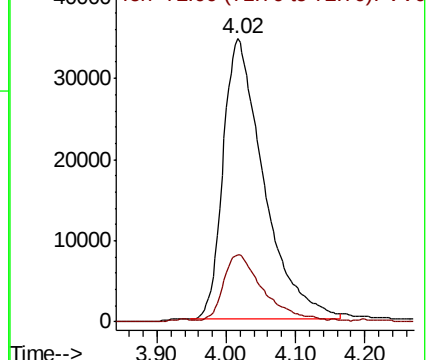
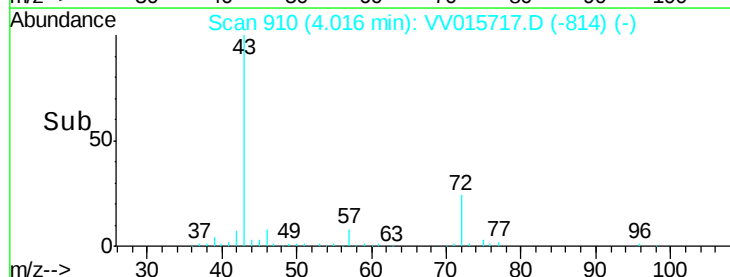
Ion Ratio Lower Upper

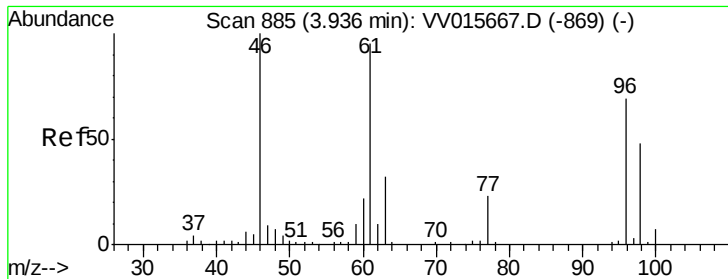
43 100

72 23.3 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015717.D (-814) (-)



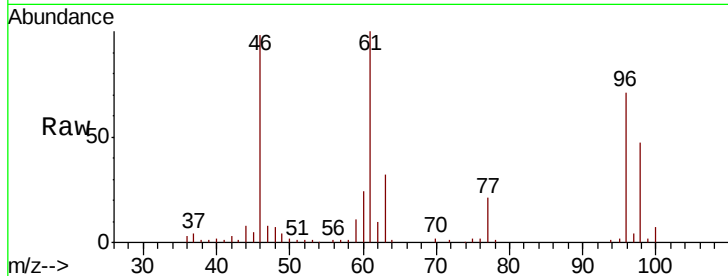


#22

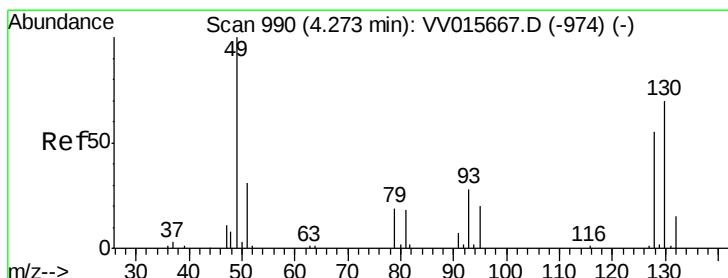
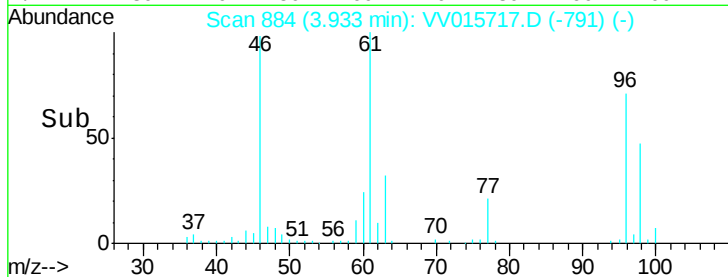
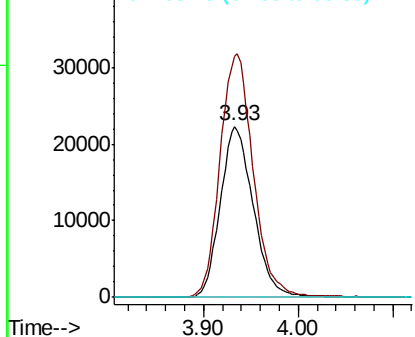
cis-1,2-Dichloroethene
Concen: 5.497 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 53963
Ion Ratio Lower Upper
96 100
61 140.6 96.4 179.0
68 0.0 0.0 0.0



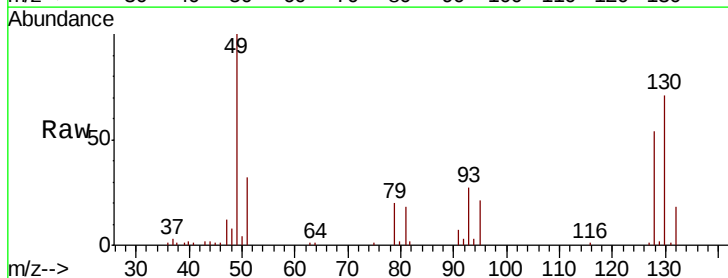
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



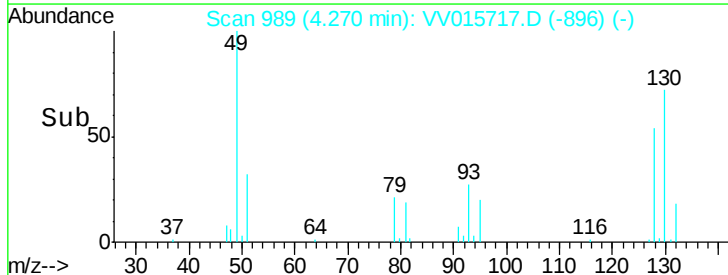
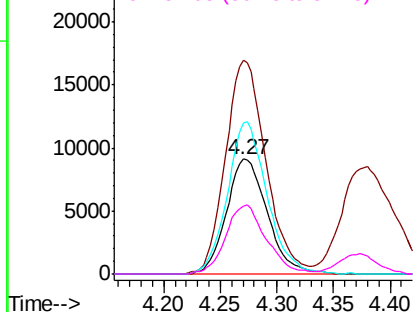
#23

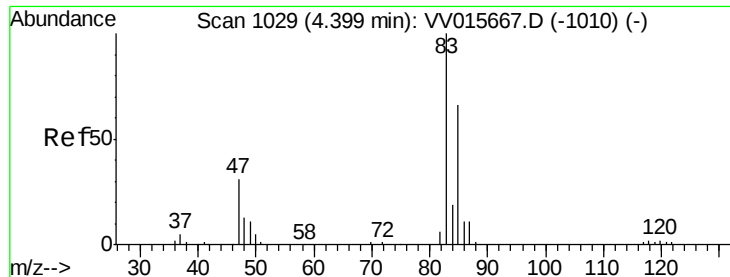
Bromochloromethane
Concen: 5.709 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Tgt Ion: 128 Resp: 22889
Ion Ratio Lower Upper
128 100
49 186.3 130.8 242.8
130 132.2 91.1 169.3
51 59.6 45.2 67.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

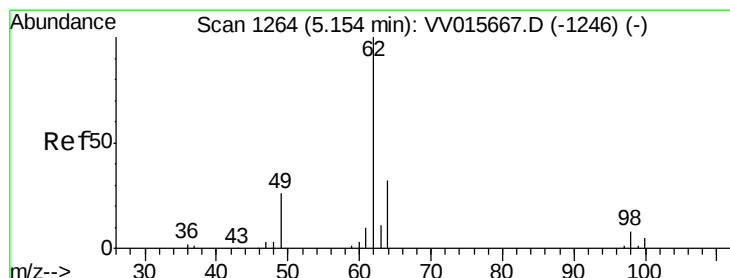
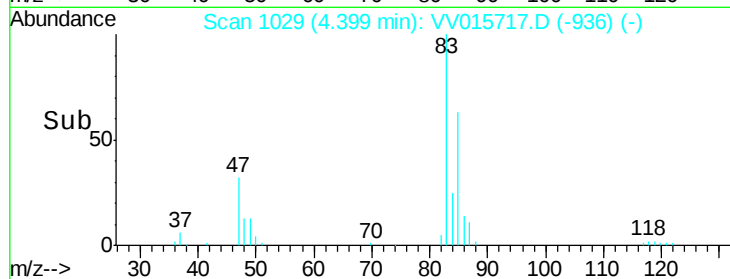
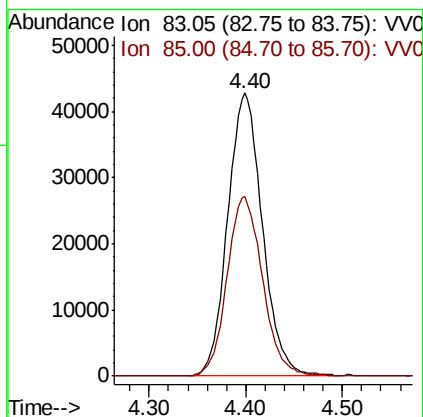
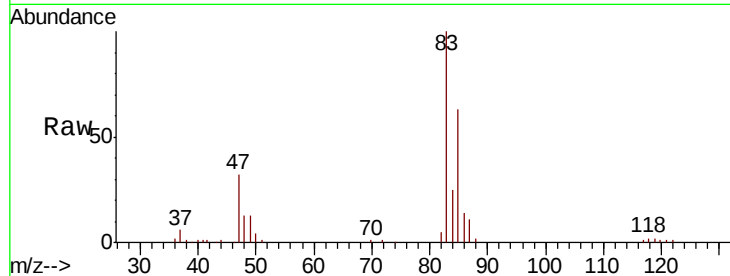




#25
Chloroform
Concen: 5.764 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

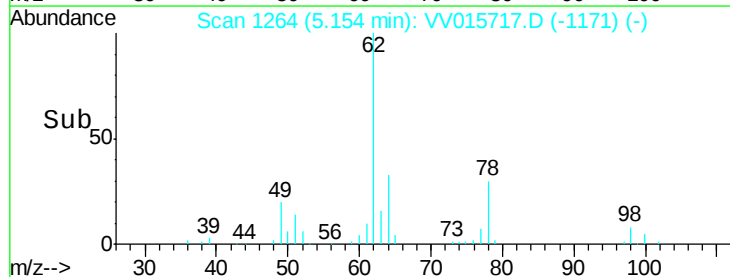
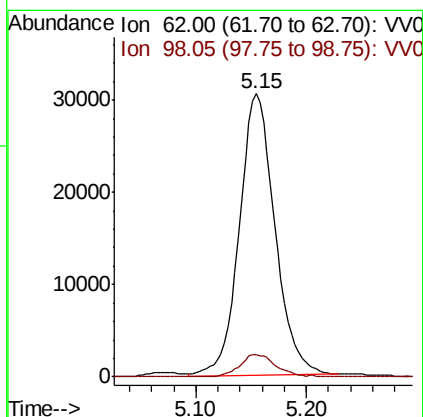
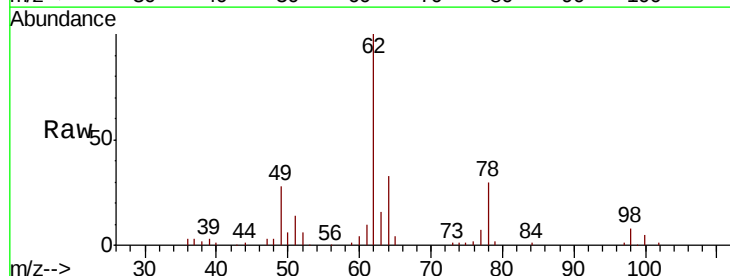
Instrument :
MSVOA_V
ClientSampleId :

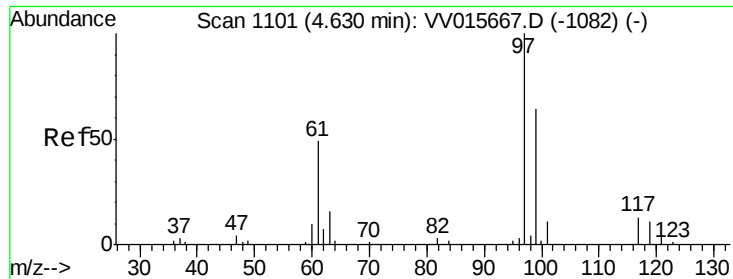
Tot Ion: 83 Resp: 106663
Ion Ratio Lower Upper
83 100
85 63.3 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.617 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Tgt Ion: 62 Resp: 68288
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5

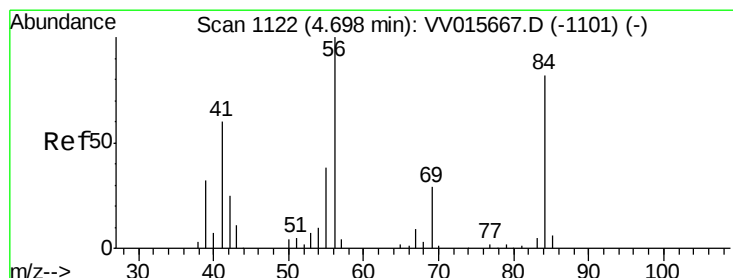
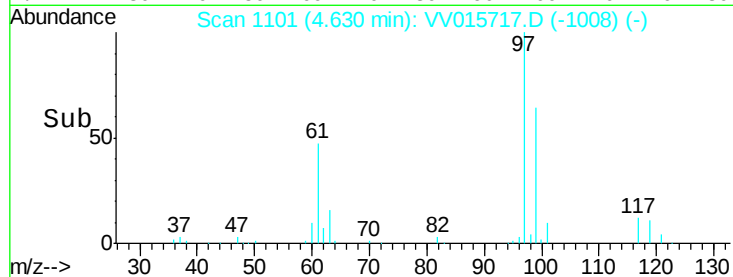
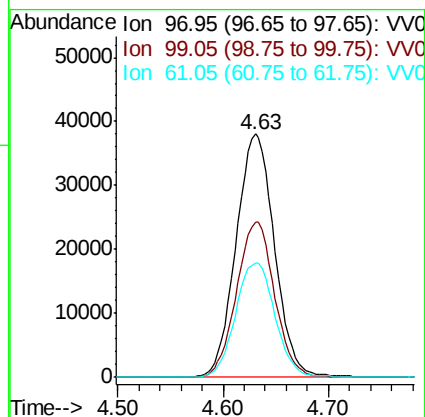
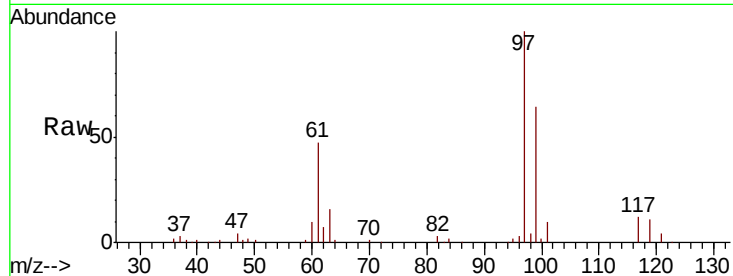




#29
 1,1,1-Trichloroethane
 Concen: 5.757 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

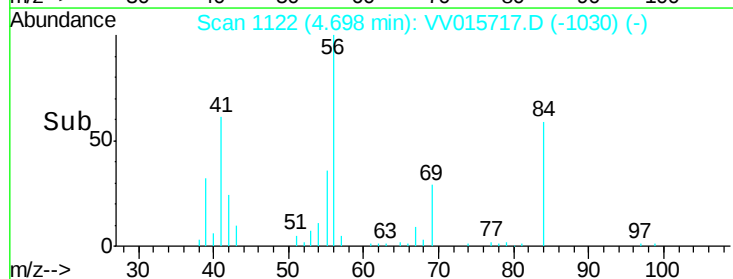
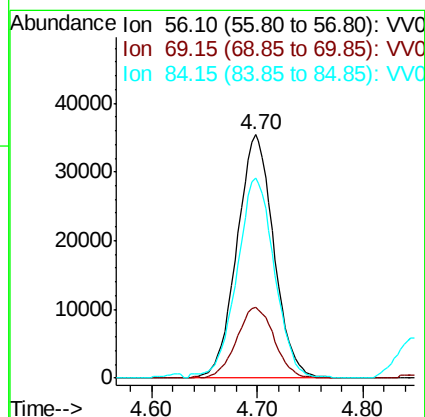
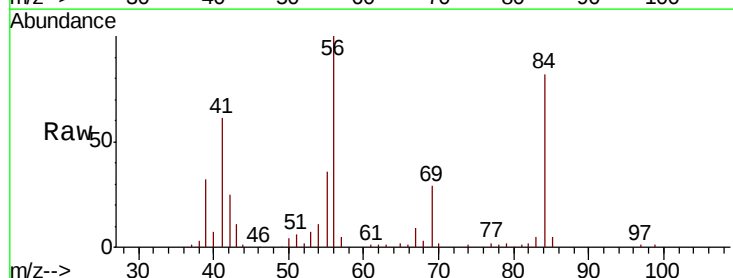
Instrument :
 MSVOA_V
 ClientSampleId :

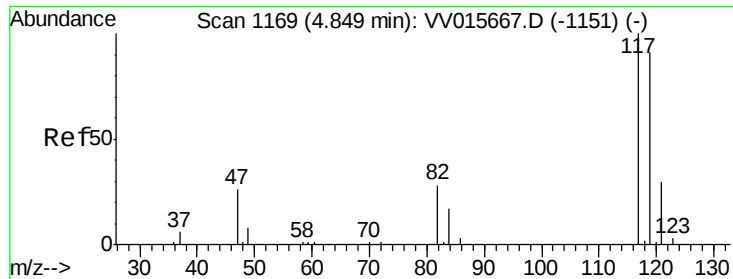
Tot Ion: 97 Resp: 96258
 Ion Ratio Lower Upper
 97 100
 99 63.5 51.6 77.4
 61 48.6 38.6 57.8



#30
 Cyclohexane
 Concen: 5.379 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Tgt Ion: 56 Resp: 85934
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.9 35.9
 84 84.1 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.804 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

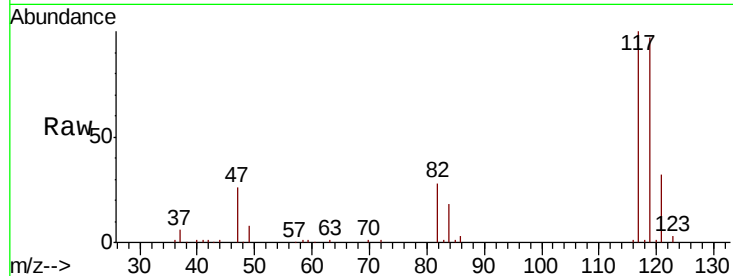
ClientSampleId :

Tot Ion:117 Resp: 80368

Ion Ratio Lower Upper

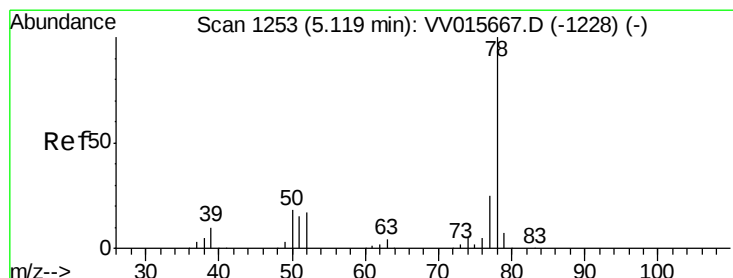
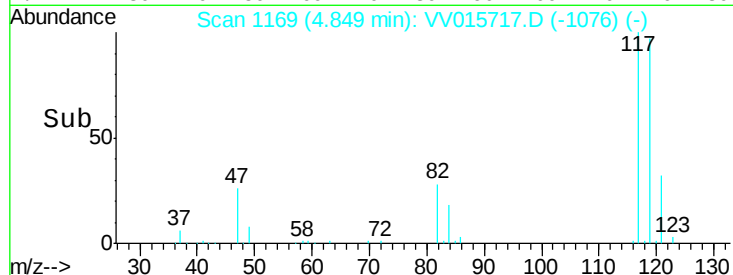
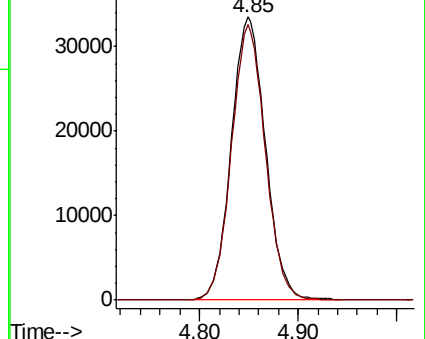
117 100

119 96.0 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.603 ug/L

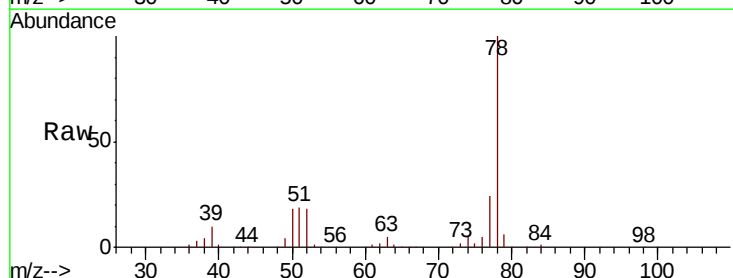
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

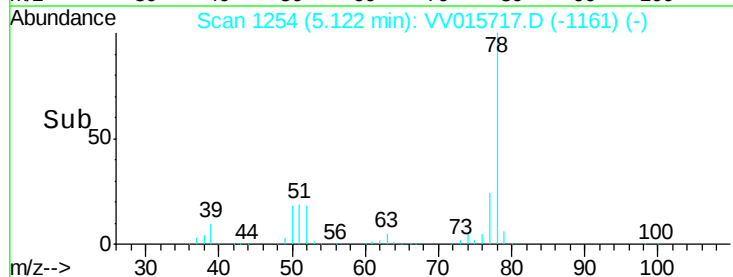
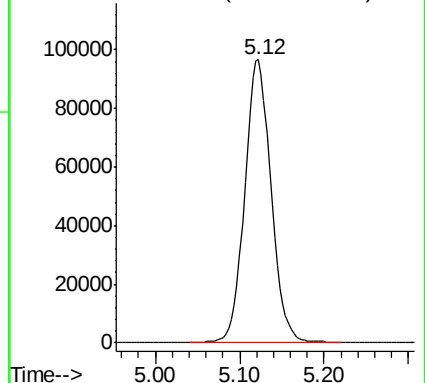
Lab File: VV015717.D

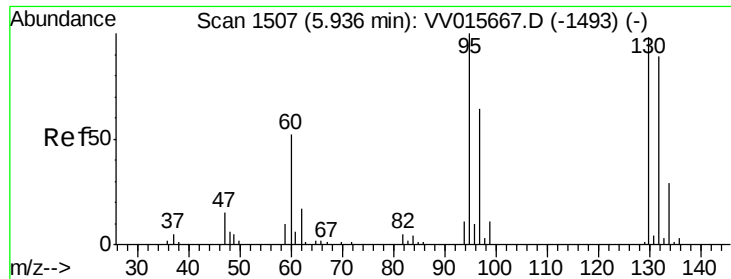
Acq: 27 Apr 2020 10:01

Tgt Ion: 78 Resp: 211050



Abundance Ion 78.10 (77.80 to 78.80): VV0

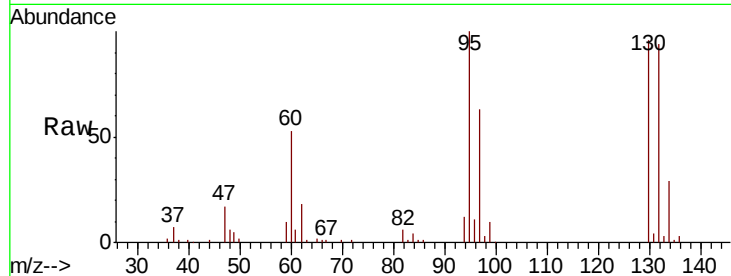




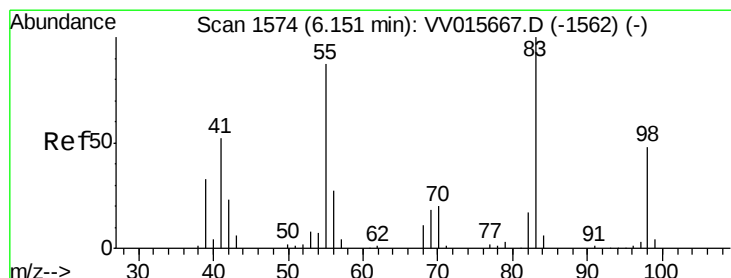
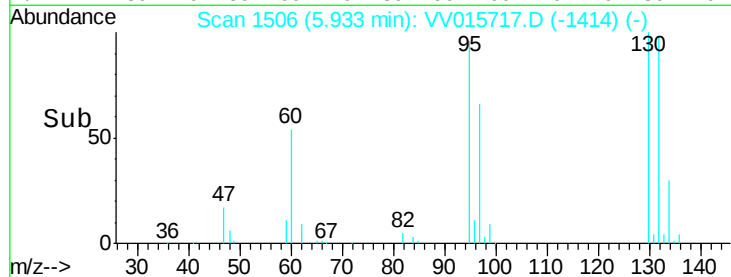
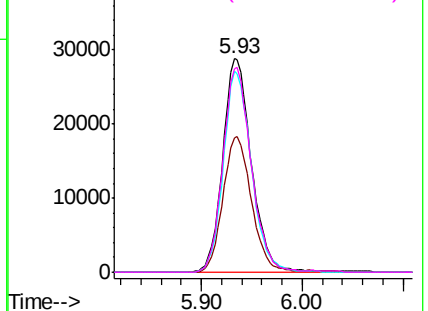
#34
 Trichloroethene
 Concen: 5.496 ug/L
 RT: 5.93 min Scan# 1506
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 57177
 Ion Ratio Lower Upper
 95 100
 97 63.2 44.7 82.9
 132 93.9 65.2 121.0
 130 95.5 65.0 120.6

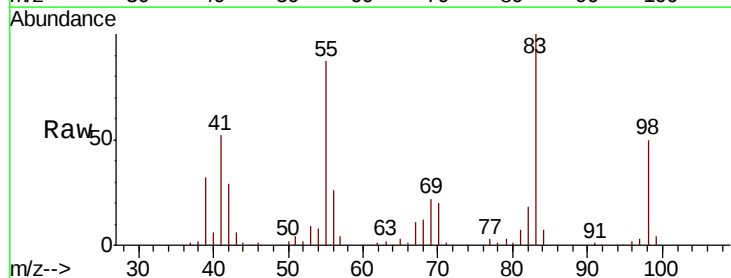


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

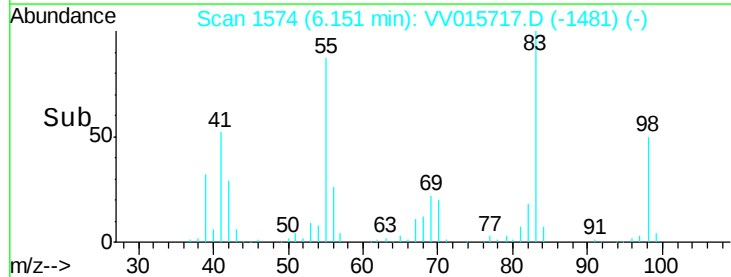
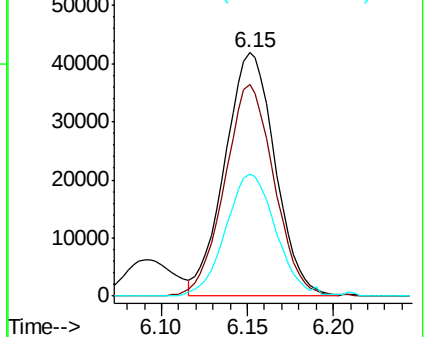


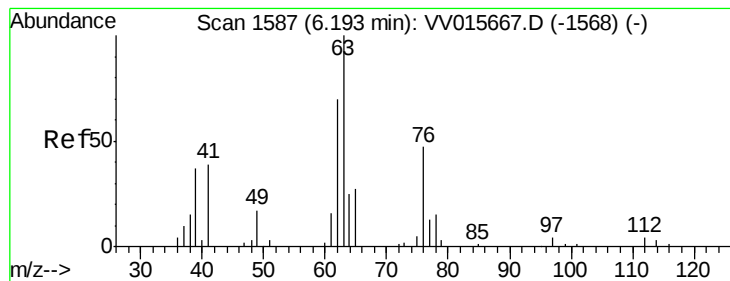
#35
 Methylcyclohexane
 Concen: 5.333 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Tgt Ion: 83 Resp: 85154
 Ion Ratio Lower Upper
 83 100
 55 85.7 66.6 99.8
 98 50.0 39.5 59.3



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: 5.630 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

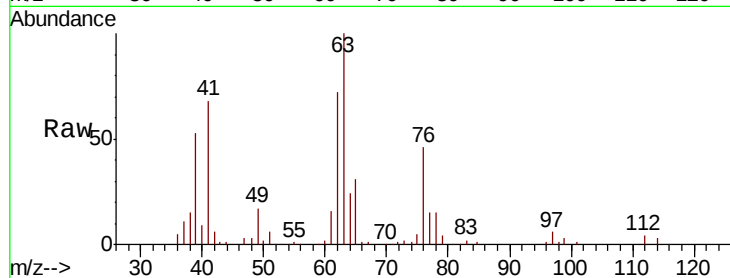
ClientSampleId :

Tot Ion: 63 Resp: 53907

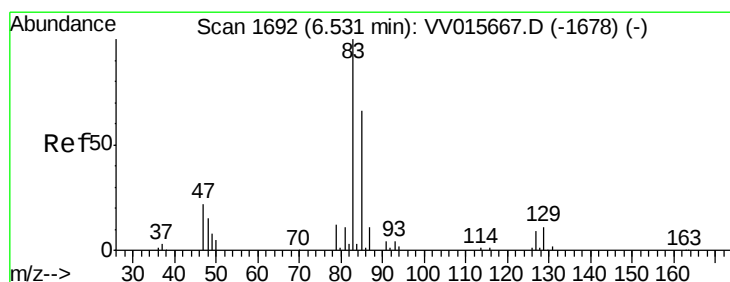
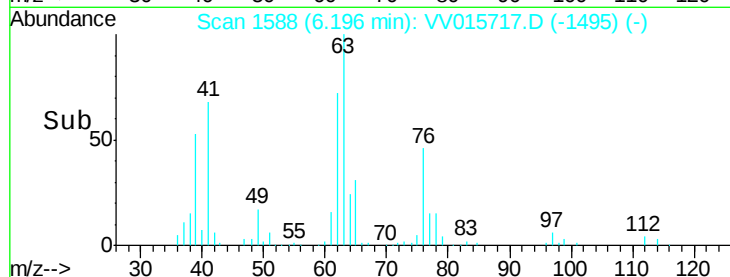
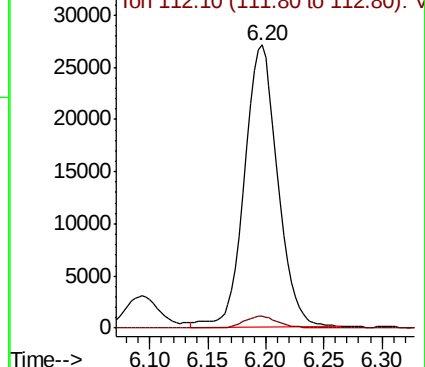
Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015717.D (-1495) (-)



#38

Bromodichloromethane

Concen: 5.735 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

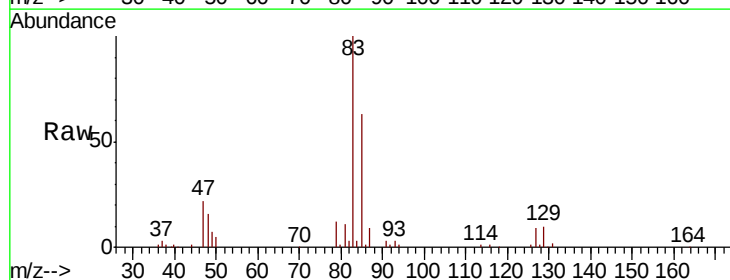
Tgt Ion: 83 Resp: 69733

Ion Ratio Lower Upper

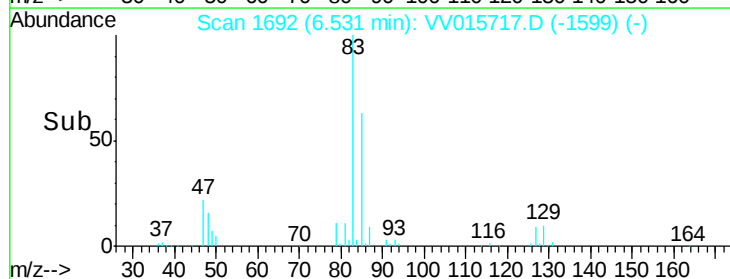
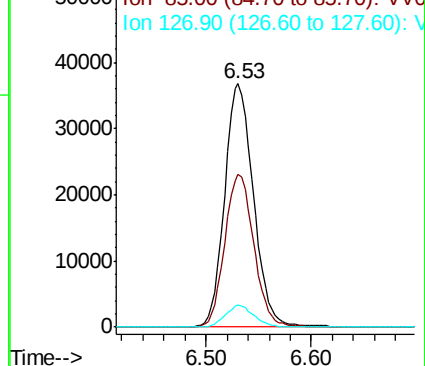
83 100

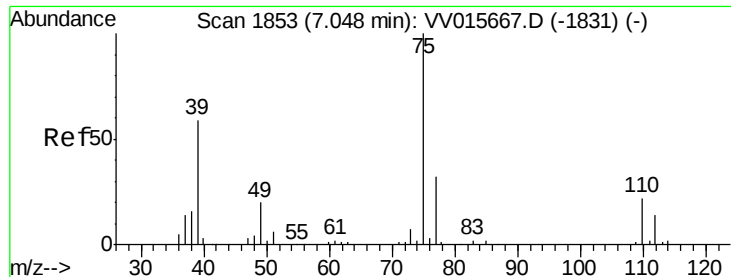
85 62.8 44.7 83.1

127 9.0 5.8 8.6#



Abundance Ion 82.95 (82.65 to 83.65): VV015717.D (-1599) (-)

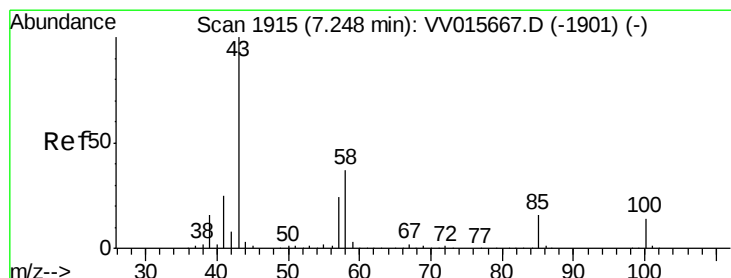
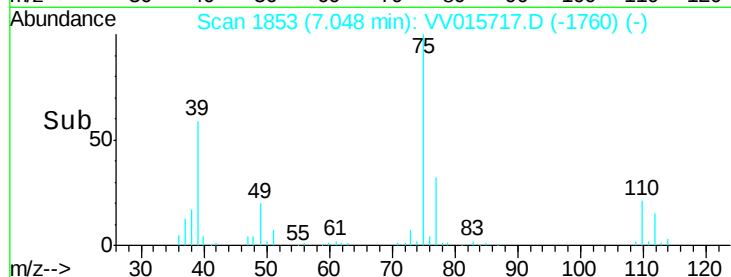
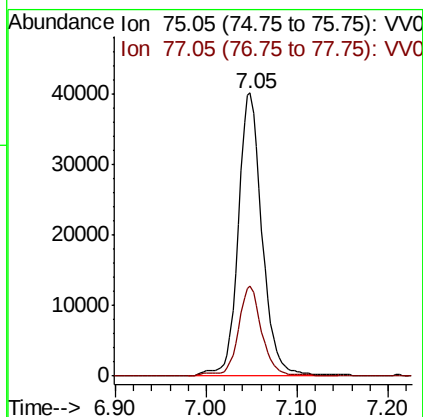
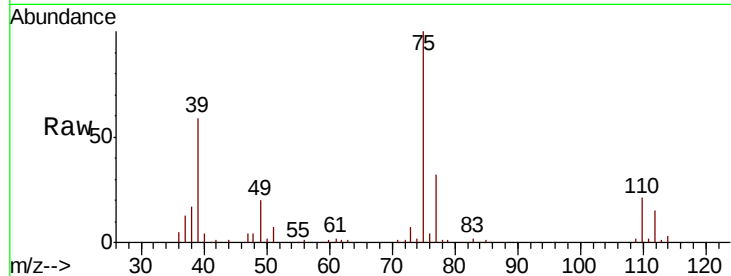




#39
 cis-1,3-Dichloropropene
 Concen: 5.497 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

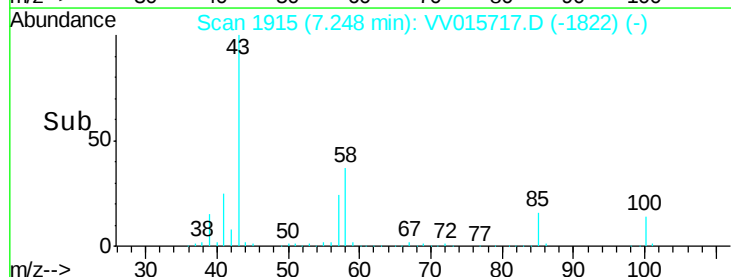
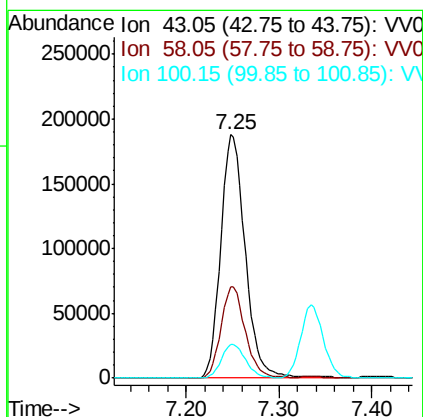
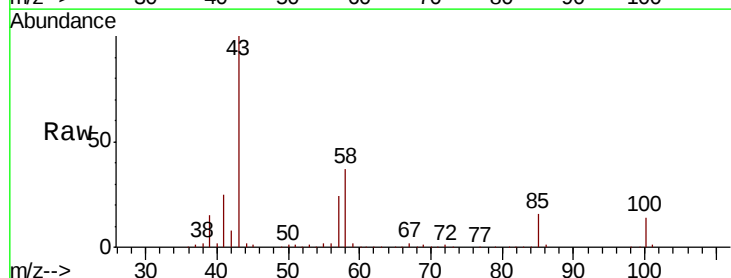
Instrument :
 MSVOA_V
 ClientSampled :

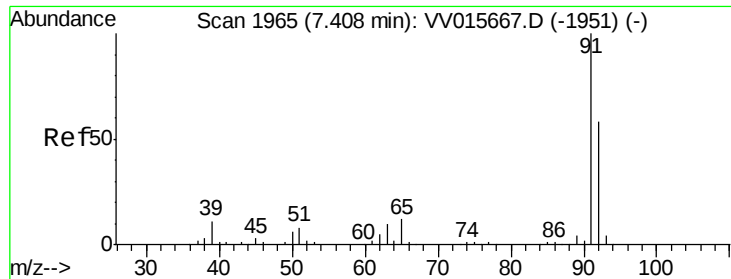
Tot Ion: 75 Resp: 73368
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 55.661 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Tgt Ion: 43 Resp: 345891
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.2 43.8
 100 13.8 11.4 17.2





#42

Toluene

Concen: 5.627 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

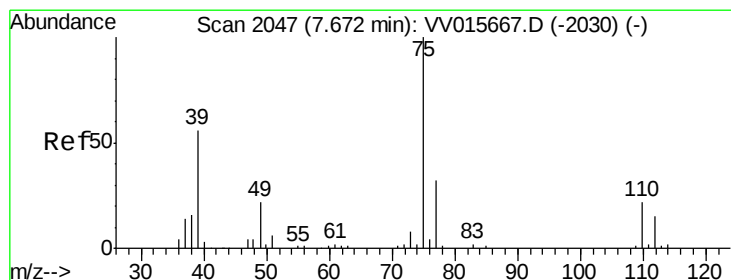
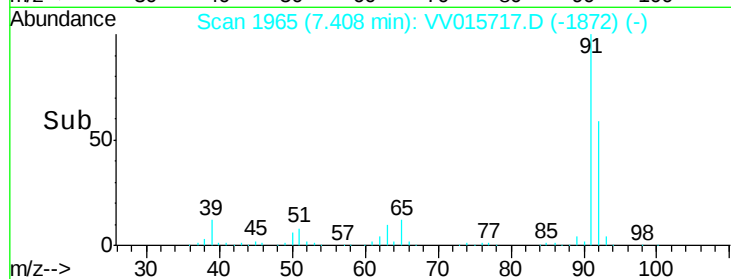
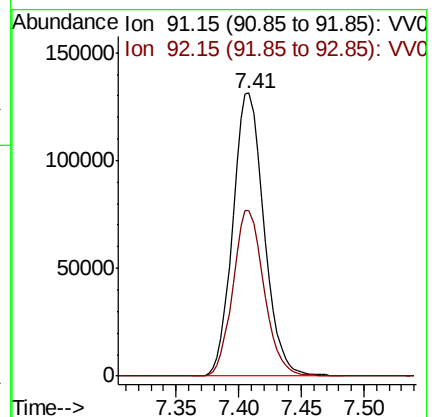
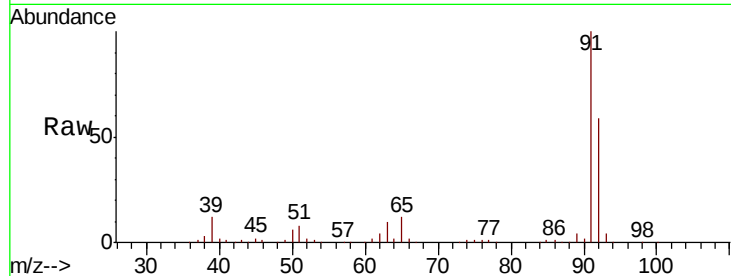
ClientSampled :

Tot Ion: 91 Resp: 226478

Ion Ratio Lower Upper

91 100

92 58.7 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 5.548 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV015717.D

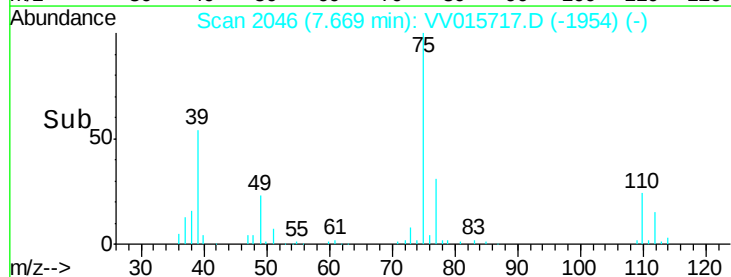
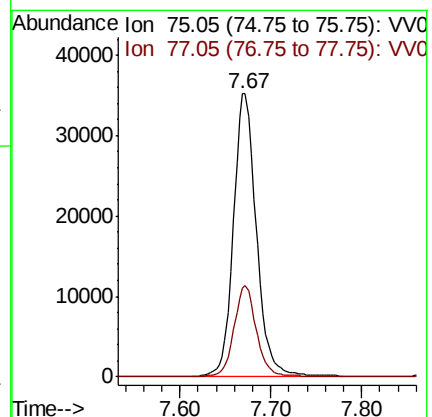
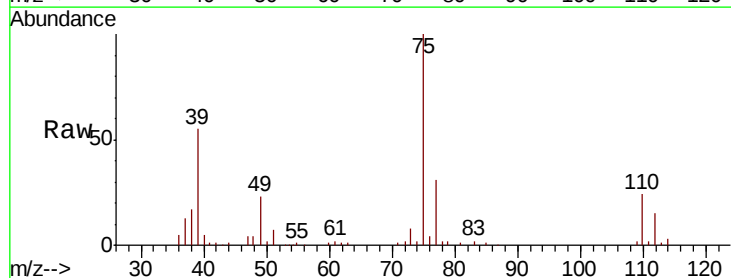
Acq: 27 Apr 2020 10:01

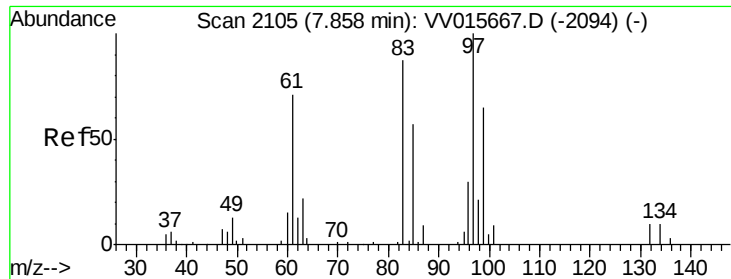
Tgt Ion: 75 Resp: 62225

Ion Ratio Lower Upper

75 100

77 31.4 21.8 40.6

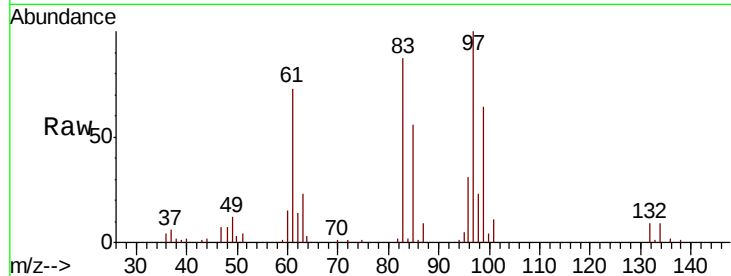




#45
1,1,2-Trichloroethane
Concen: 5.690 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	37132
Ion	Ratio	Lower	Upper
97	100		
99	63.8	45.4	84.4
83	86.6	61.3	113.9
85	55.9	38.4	71.4

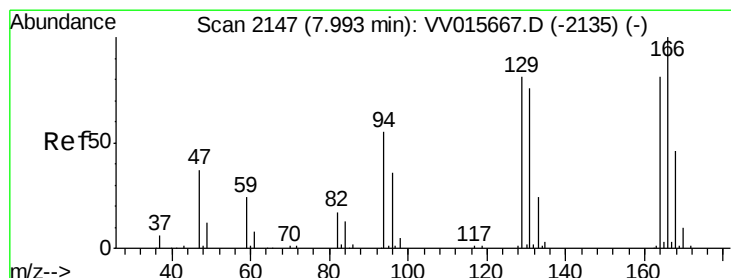
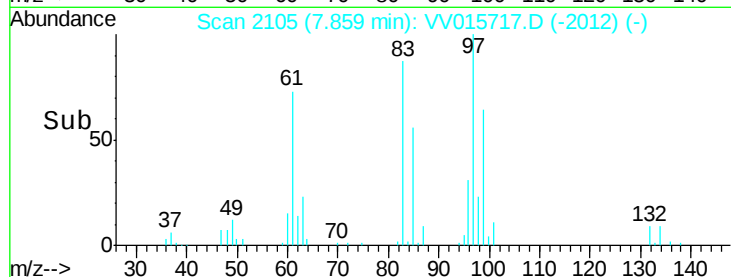
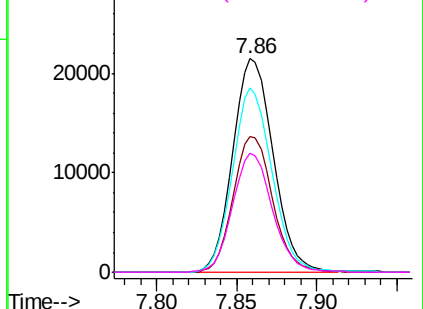


Abundance Ion 96.95 (96.65 to 97.65): VV015717.D (-2012) (-)

Ion 99.05 (98.75 to 99.75): VV015717.D (-2012) (-)

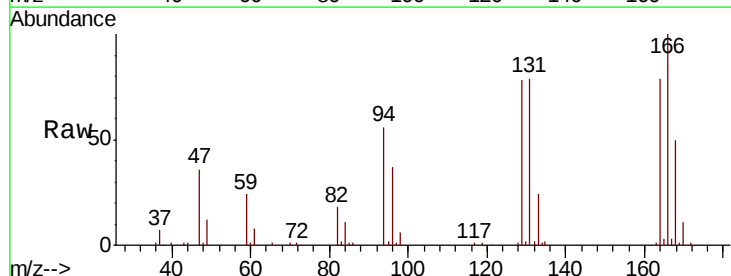
Ion 82.95 (82.65 to 83.65): VV015717.D (-2012) (-)

Ion 85.00 (84.70 to 85.70): VV015717.D (-2012) (-)



#47
Tetrachloroethene
Concen: 5.539 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Tgt Ion:	164	Resp:	41492
Ion	Ratio	Lower	Upper
164	100		
129	98.7	66.7	123.9
131	100.0	66.6	123.6
166	126.2	85.3	158.5

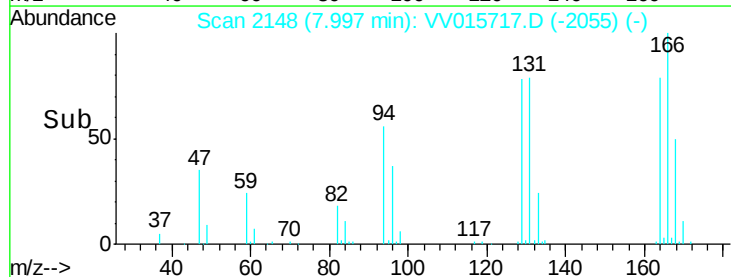
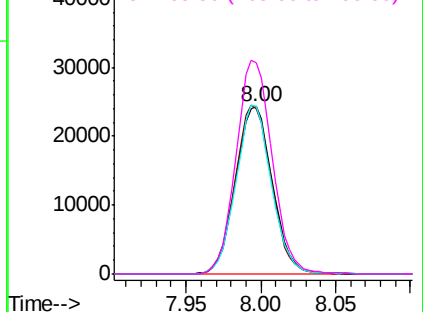


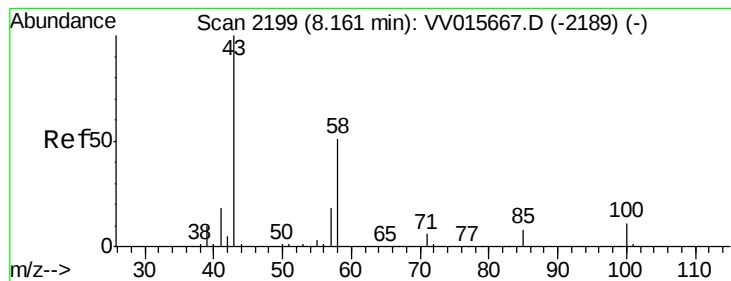
Abundance Ion 163.90 (163.60 to 164.60): VV015717.D (-2055) (-)

Ion 128.95 (128.65 to 129.65): VV015717.D (-2055) (-)

Ion 130.95 (130.65 to 131.65): VV015717.D (-2055) (-)

Ion 165.90 (165.60 to 166.60): VV015717.D (-2055) (-)





#48

2-Hexanone

Concen: 56.694 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 251241

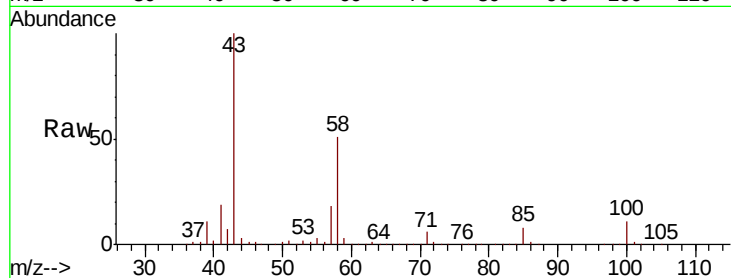
Ion Ratio Lower Upper

43 100

58 51.7 41.1 61.7

57 18.6 15.0 22.4

100 11.4 9.0 13.4

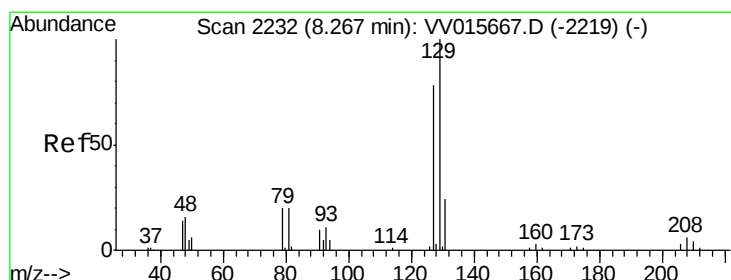
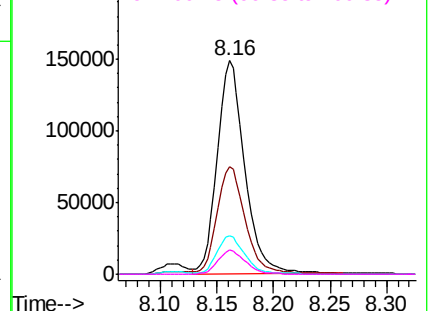
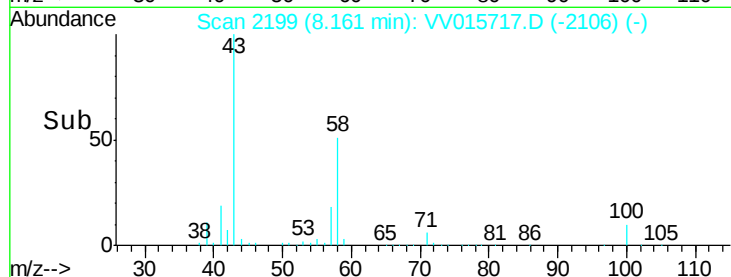


Abundance Ion 43.05 (42.75 to 43.75): VV015717.D (-2106) (-)

Ion 58.05 (57.75 to 58.75): VV015717.D (-2106) (-)

Ion 57.20 (56.90 to 57.90): VV015717.D (-2106) (-)

Ion 100.15 (99.85 to 100.85): VV015717.D (-2106) (-)



#49

Dibromochloromethane

Concen: 5.989 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015717.D

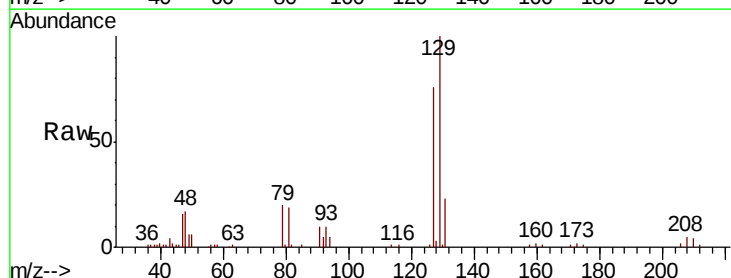
Acq: 27 Apr 2020 10:01

Tgt Ion: 129 Resp: 40452

Ion Ratio Lower Upper

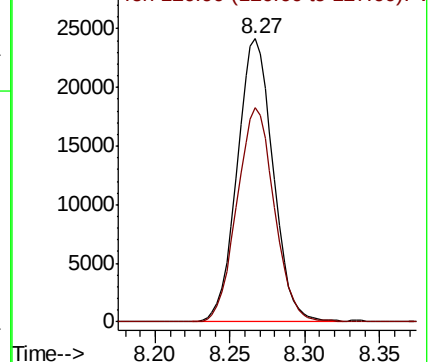
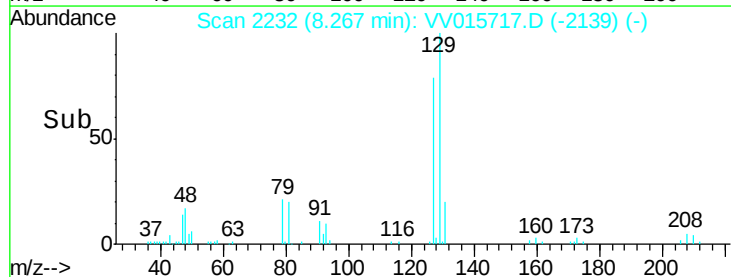
129 100

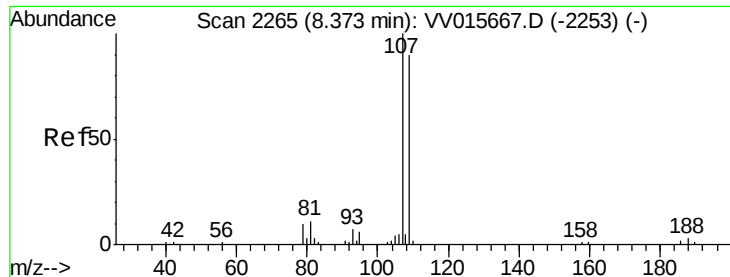
127 75.5 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015717.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV015717.D (-2139) (-)

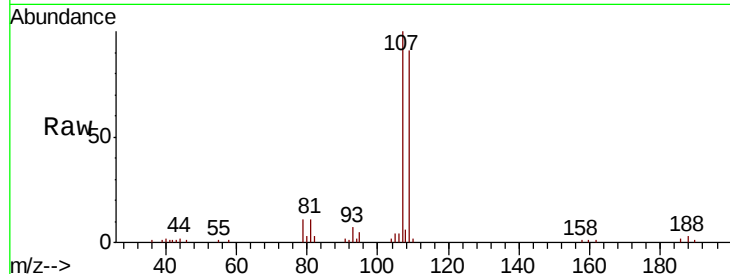




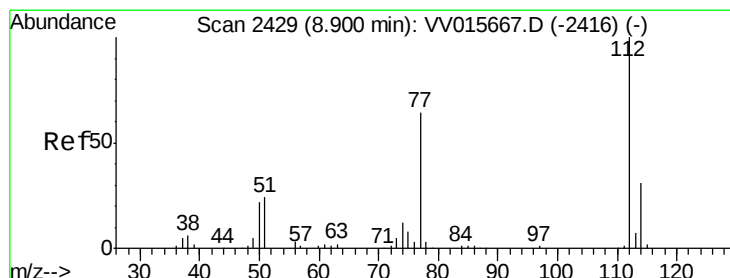
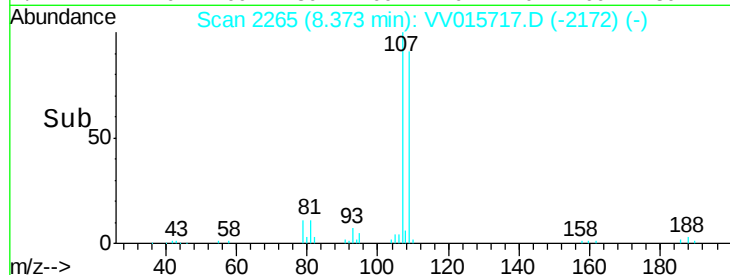
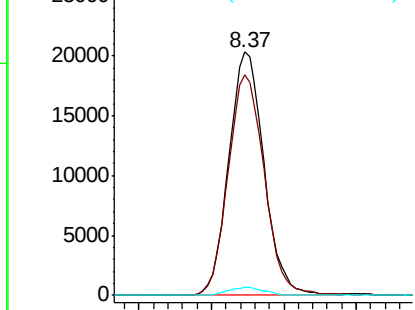
#50
1,2-Dibromoethane
Concen: 5.673 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 34238
Ion Ratio Lower Upper
107 100
109 90.5 68.1 126.5
188 3.3 3.2 4.8

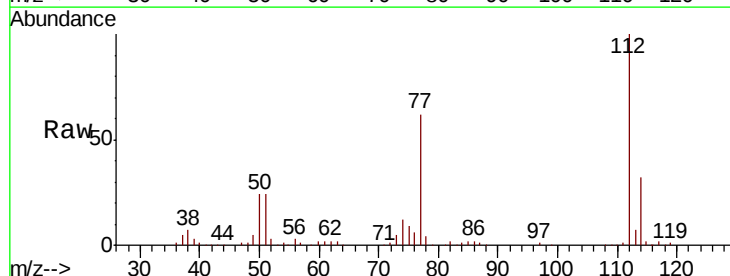


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

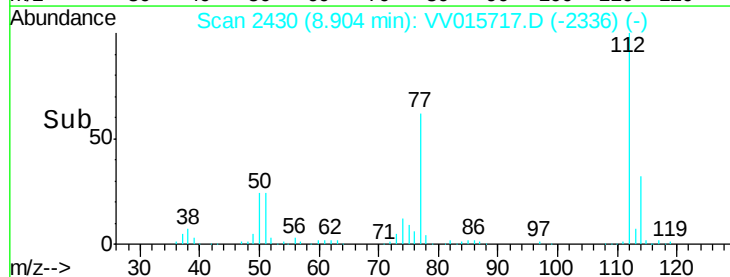
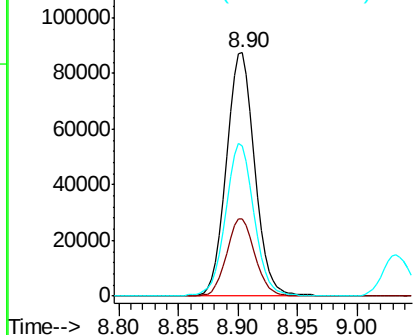


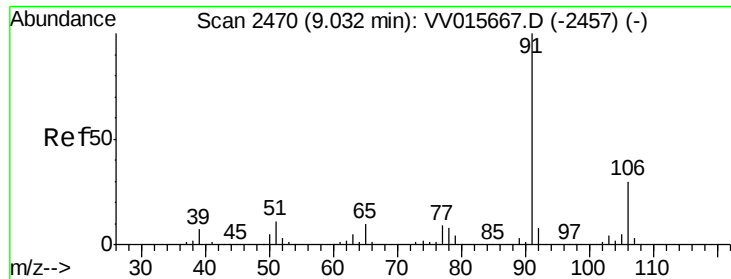
#51
Chlorobenzene
Concen: 5.485 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015717.D
Acq: 27 Apr 2020 10:01

Tgt Ion:112 Resp: 144626
Ion Ratio Lower Upper
112 100
114 31.8 21.6 40.2
77 61.8 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: 5.574 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

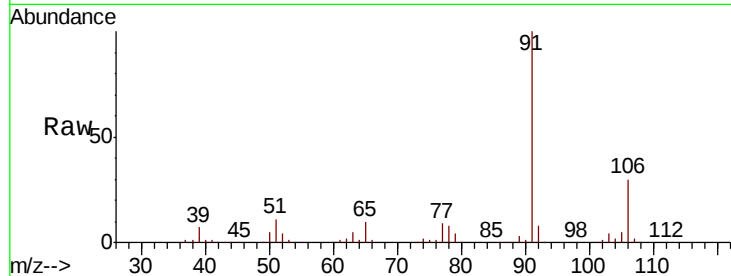
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 259626

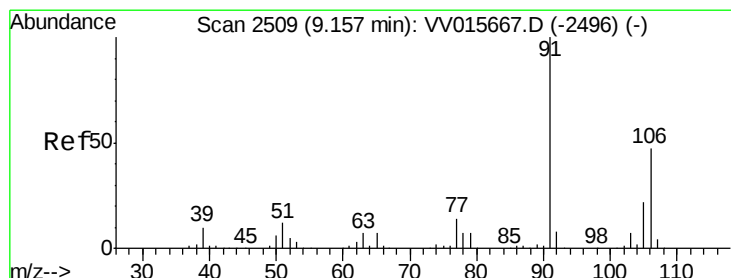
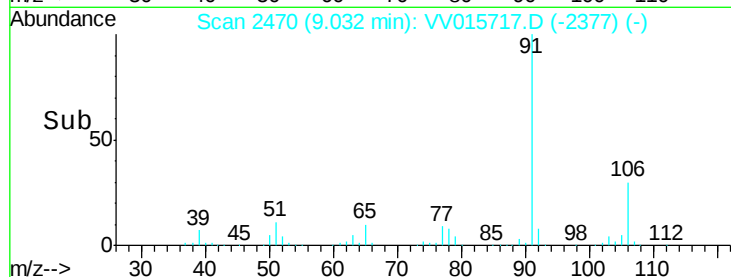
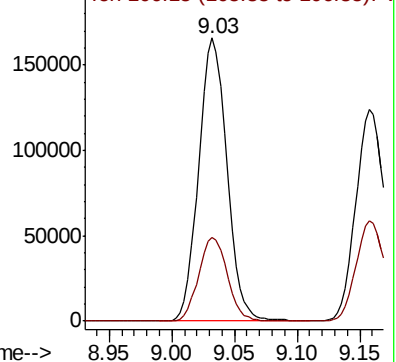
Ion Ratio Lower Upper

91 100

106 29.7 21.3 39.5



Abundance Ion 91.15 (90.85 to 91.85): VV015717.D (-2377) (-)



#53

m,p-xylene

Concen: 5.673 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015717.D

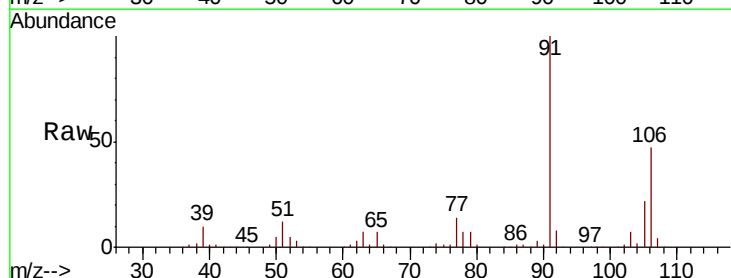
Acq: 27 Apr 2020 10:01

Tgt Ion: 106 Resp: 96784

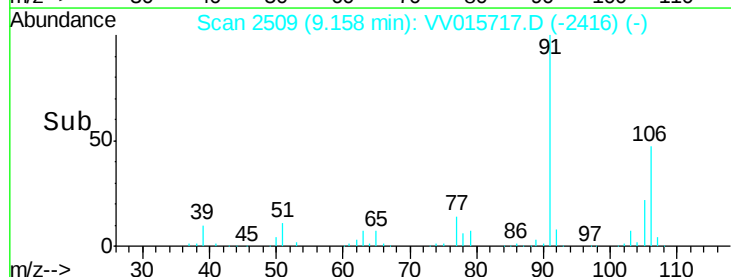
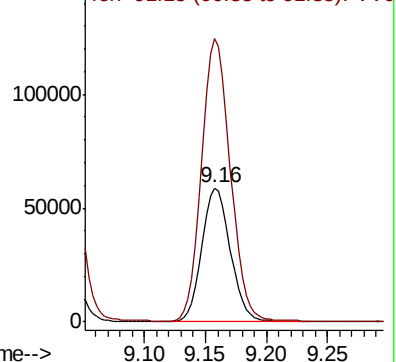
Ion Ratio Lower Upper

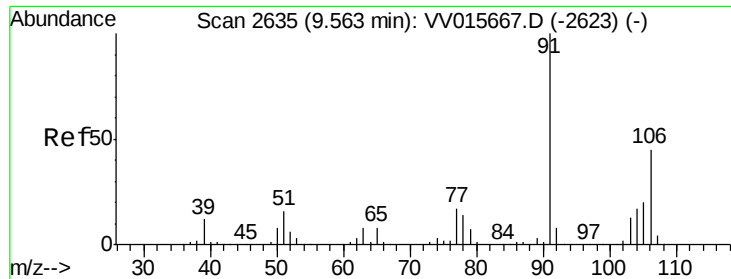
106 100

91 211.5 147.8 274.4



Abundance Ion 106.15 (105.85 to 106.85): VV015717.D (-2416) (-)





#54

o-xylene

Concen: 5.570 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

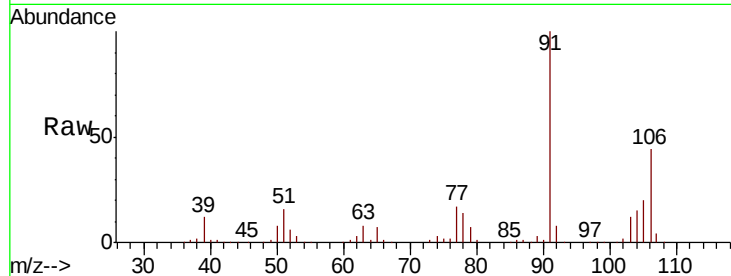
Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 91947

Ion Ratio Lower Upper

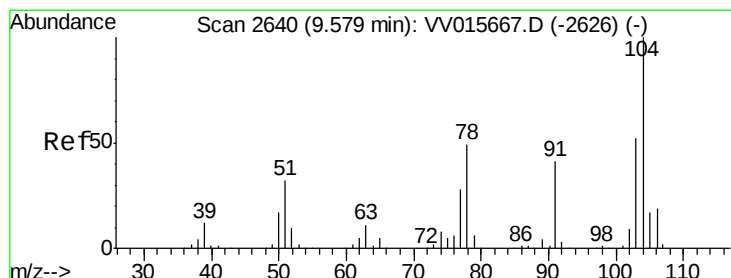
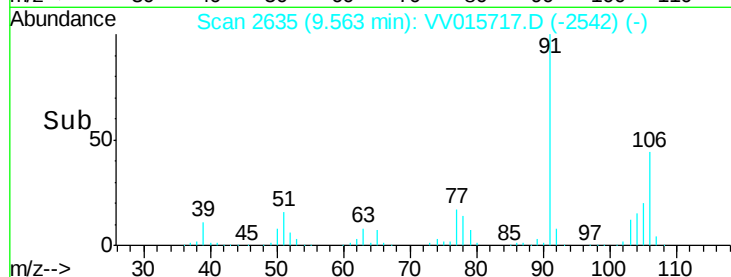
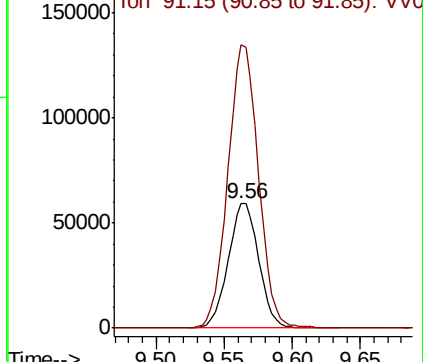
106 100

91 227.1 159.8 296.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.656 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV015717.D

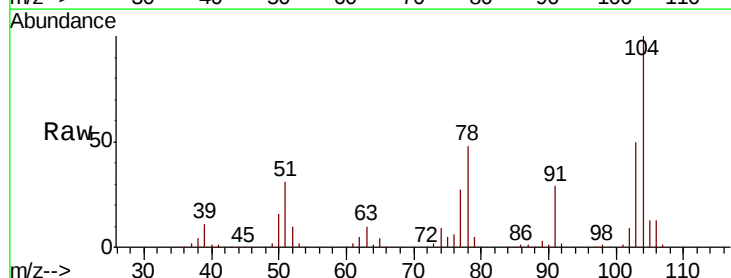
Acq: 27 Apr 2020 10:01

Tgt Ion:104 Resp: 158434

Ion Ratio Lower Upper

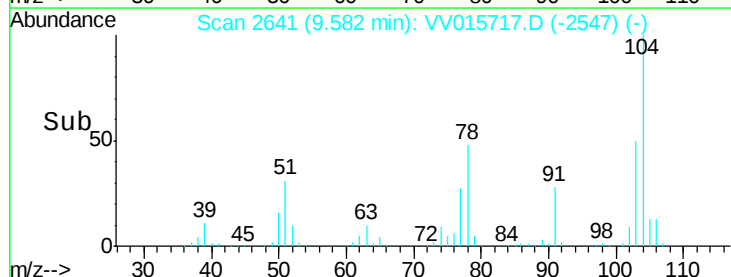
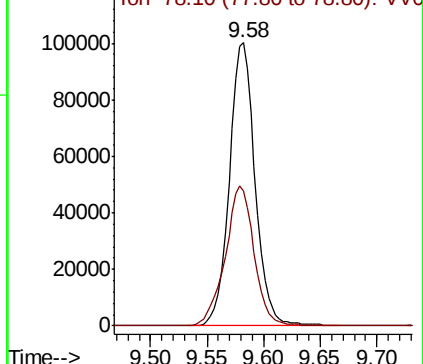
104 100

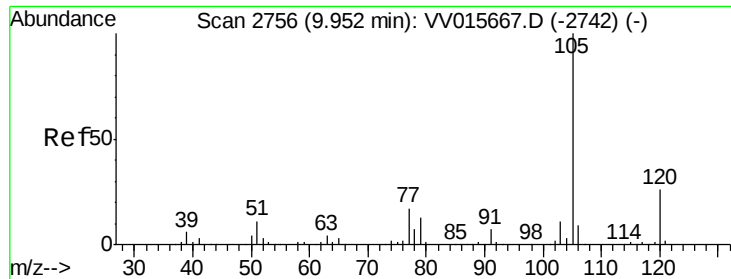
78 47.5 34.5 64.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.596 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :
MSVOA_V
ClientSampled :

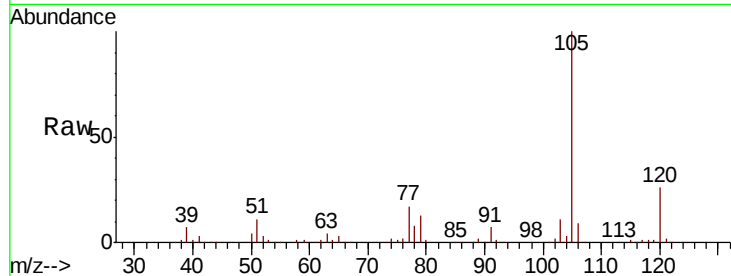
Tot Ion:105 Resp: 259172

Ion Ratio Lower Upper

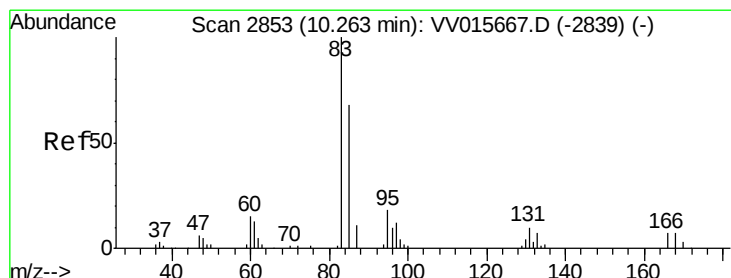
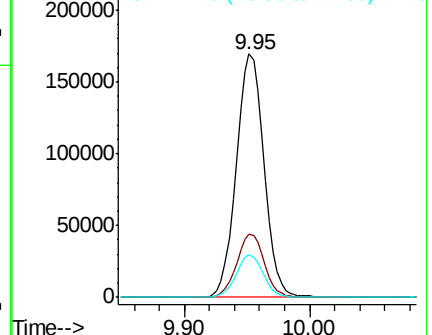
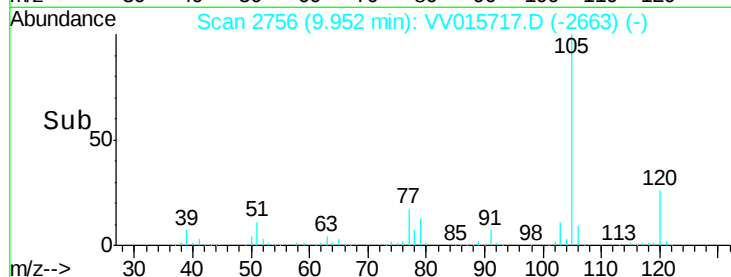
105 100

120 25.8 20.7 31.1

77 17.1 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: 5.692 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

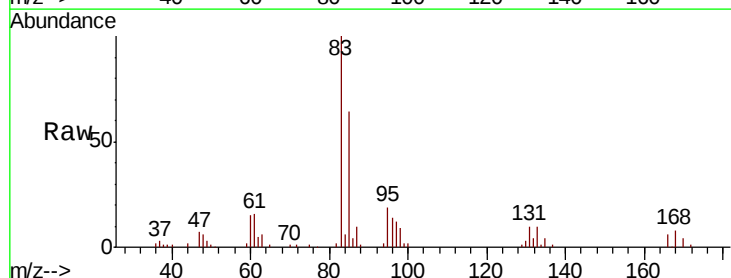
Tgt Ion: 83 Resp: 43377

Ion Ratio Lower Upper

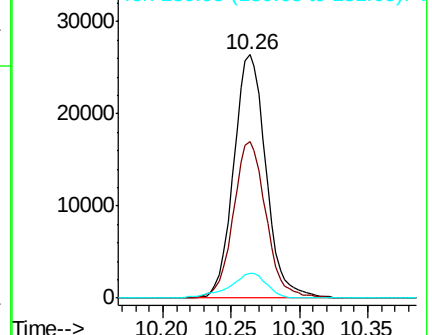
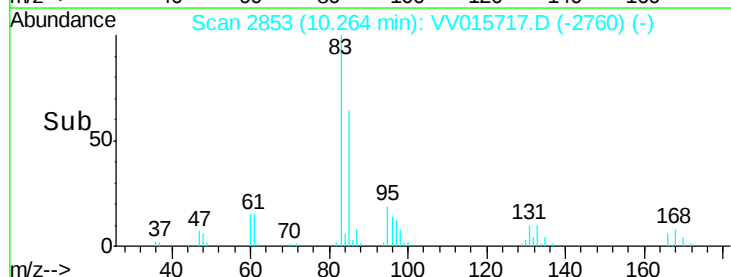
83 100

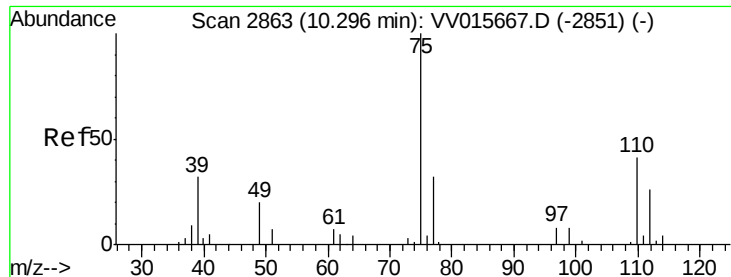
85 64.4 46.3 85.9

131 10.2 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: 5.461 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

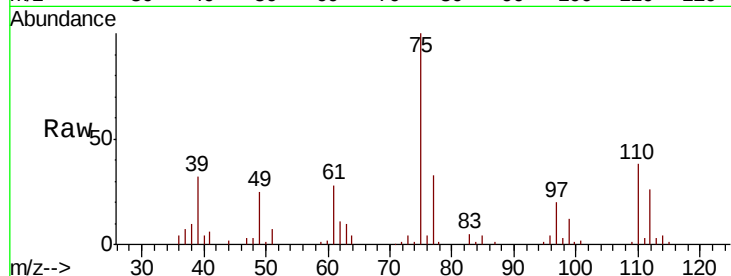
ClientSampleId :

Tot Ion: 75 Resp: 33384

Ion Ratio Lower Upper

75 100

77 33.3 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV015667.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015667.D (-2851) (-)

10.30

25000

20000

15000

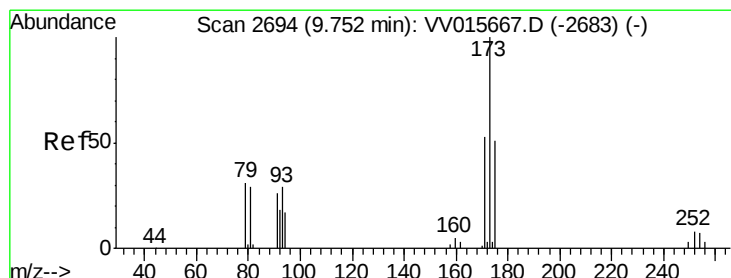
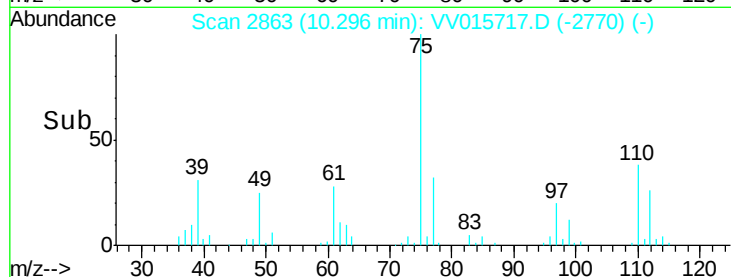
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 6.208 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

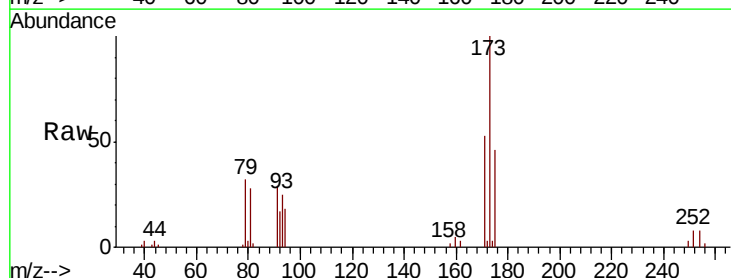
Tgt Ion: 173 Resp: 17543

Ion Ratio Lower Upper

173 100

175 48.4 39.8 59.8

254 7.8 5.8 8.8



Abundance Ion 172.90 (172.60 to 173.60): VV015667.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015667.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015667.D (-2683) (-)

15000

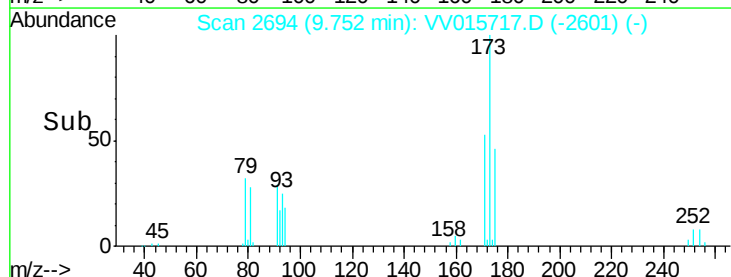
10000

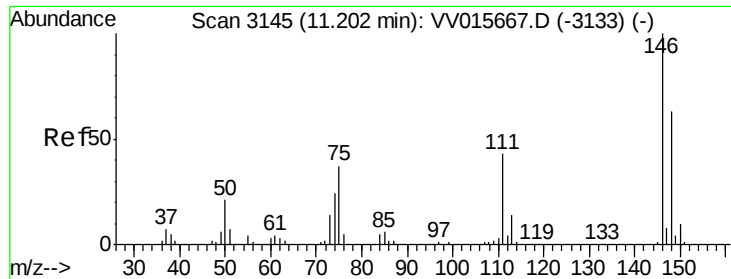
5000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.488 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampled :

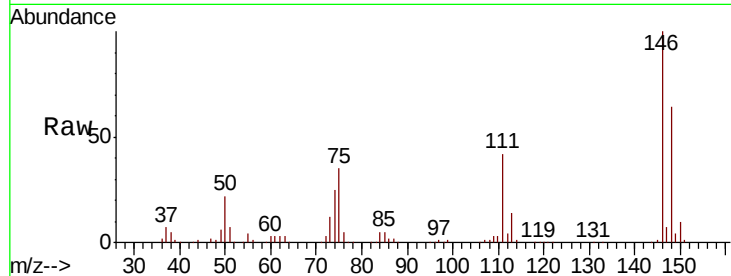
Tot Ion:146 Resp: 118902

Ion Ratio Lower Upper

146 100

111 42.2 30.0 55.6

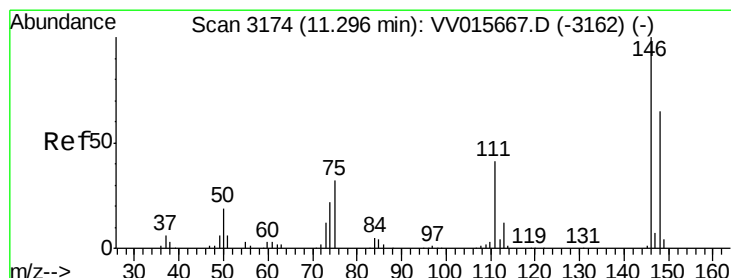
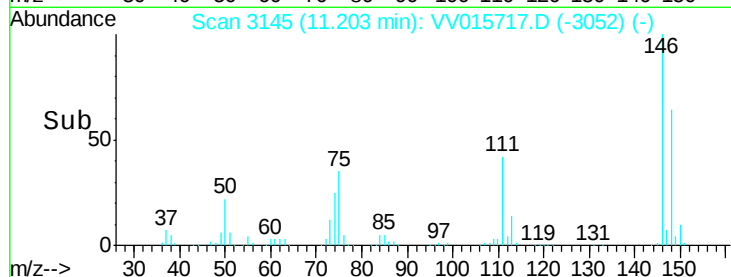
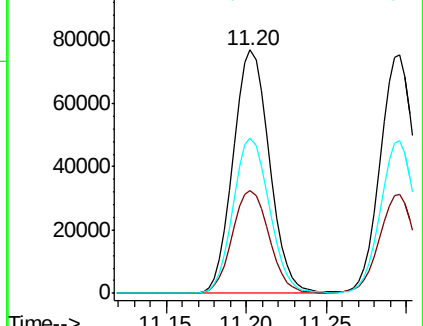
148 63.9 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 5.414 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

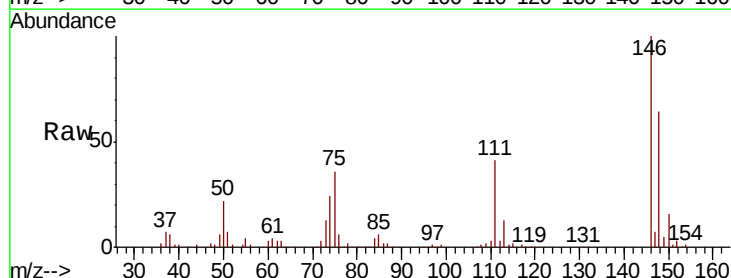
Tgt Ion:146 Resp: 118304

Ion Ratio Lower Upper

146 100

111 41.5 28.2 52.4

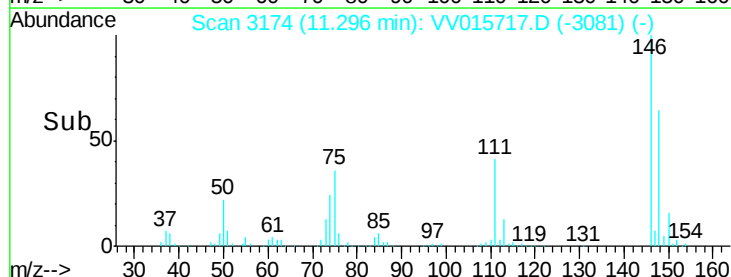
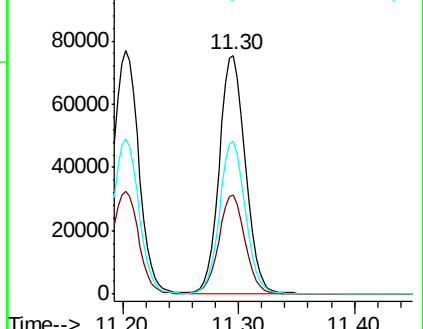
148 64.0 45.7 84.9

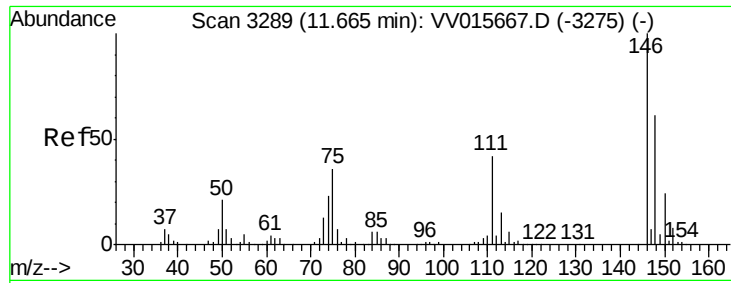


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.517 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

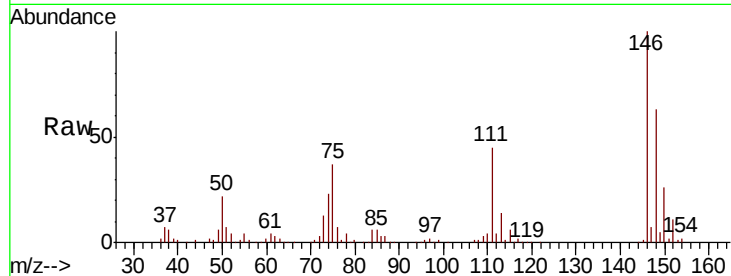
Tot Ion:146 Resp: 108120

Ion Ratio Lower Upper

146 100

111 44.7 34.7 52.1

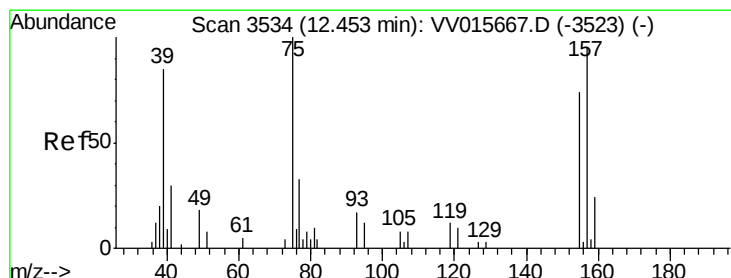
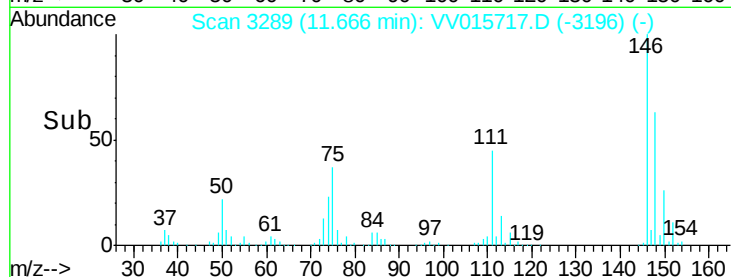
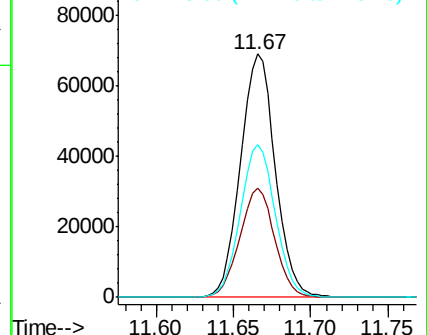
148 62.6 51.3 76.9



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: 5.899 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

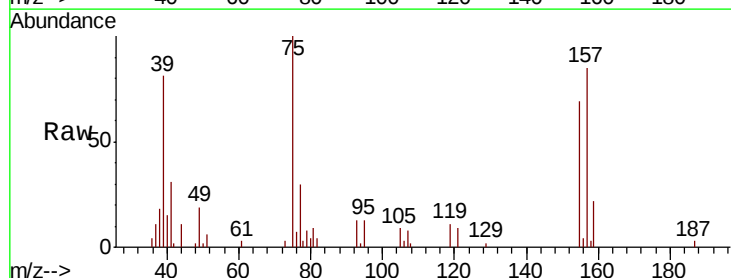
Tgt Ion: 75 Resp: 7531

Ion Ratio Lower Upper

75 100

155 69.1 51.0 76.4

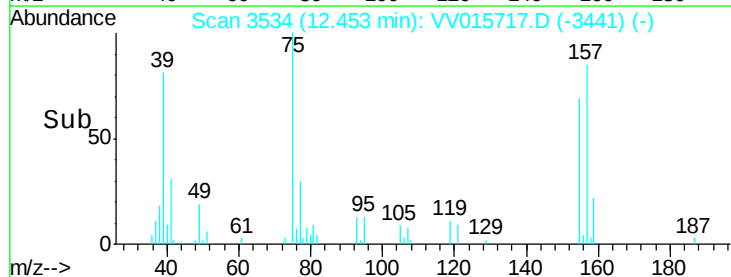
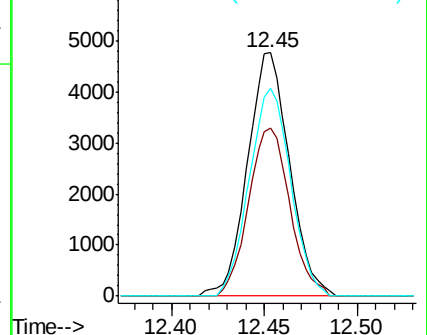
157 85.2 70.6 106.0

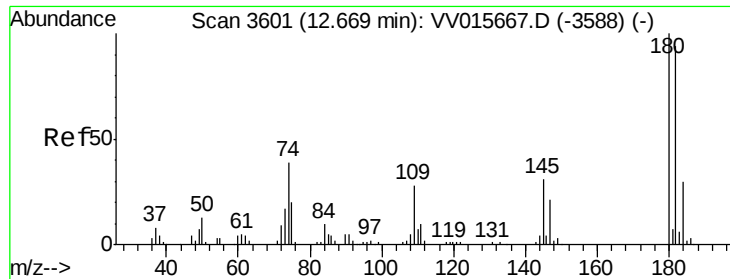


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

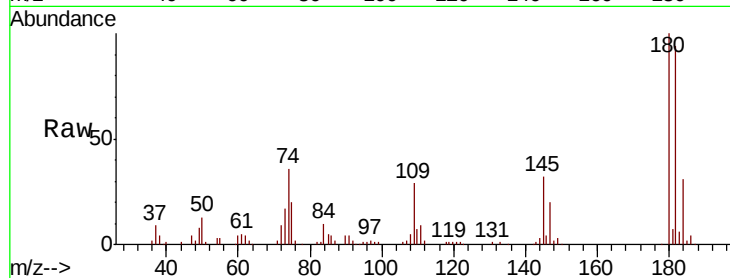




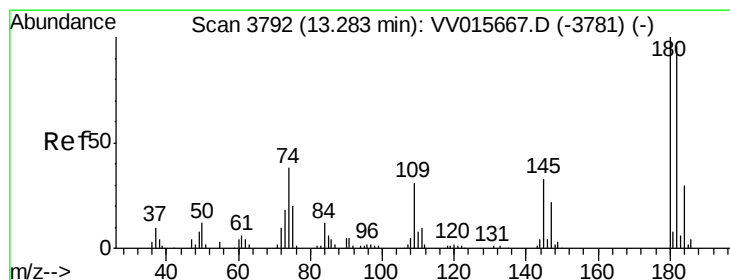
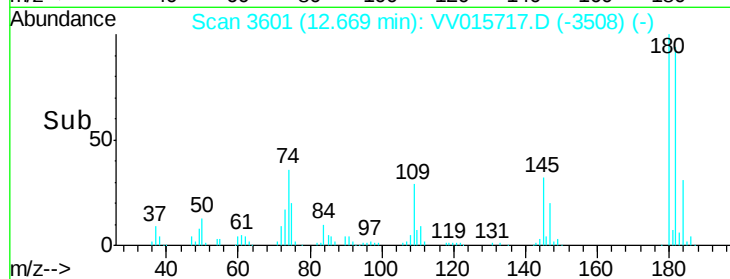
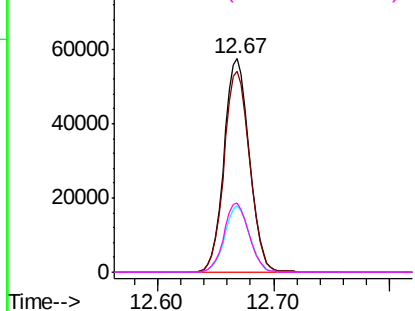
#67
 1,3,5-Trichlorobenzene
 Concen: 5.441 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 87120
 Ion Ratio Lower Upper
 180 100
 182 95.0 78.2 117.4
 184 30.6 25.0 37.4
 145 32.1 26.4 39.6

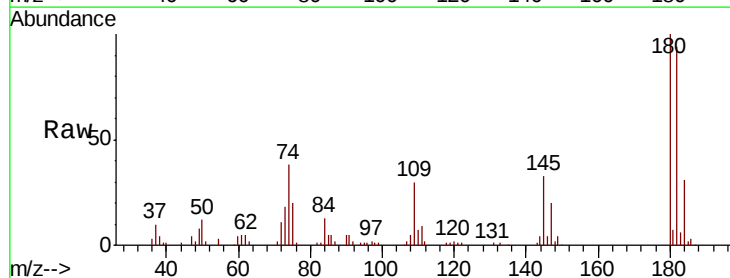


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

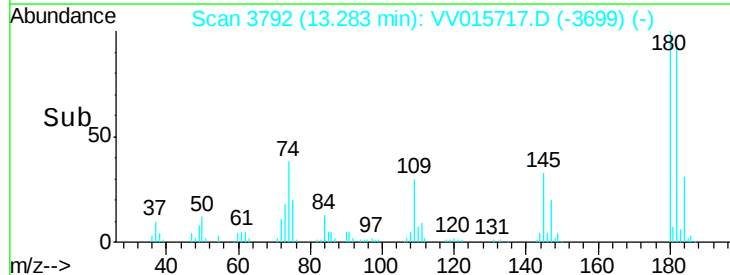
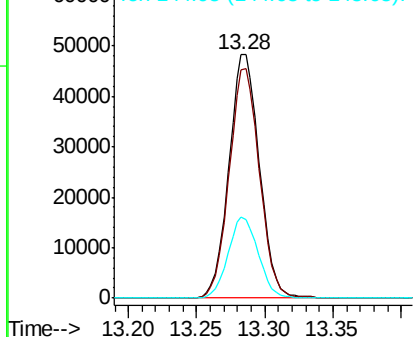


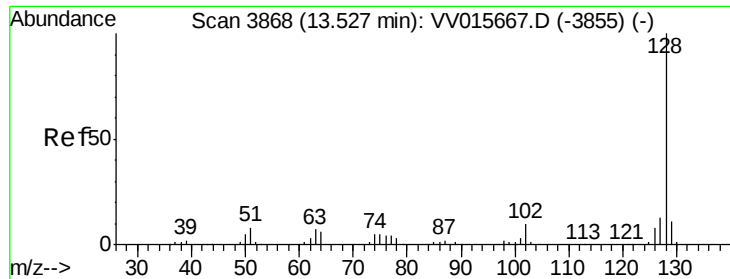
#68
 1,2,4-trichlorobenzene
 Concen: 5.074 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV015717.D
 Acq: 27 Apr 2020 10:01

Tgt Ion:180 Resp: 74765
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.8 112.2
 145 33.0 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: 4.686 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

Instrument :

MSVOA_V

ClientSampled :

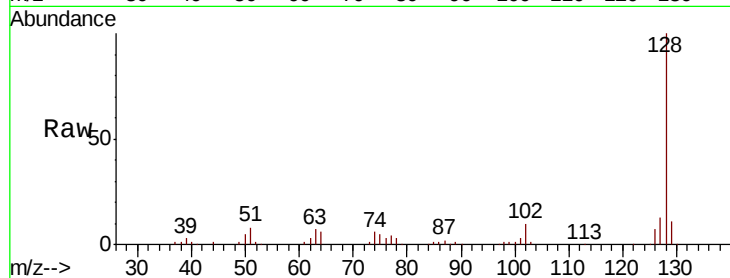
Tot Ion:128 Resp: 123590

Ion Ratio Lower Upper

128 100

129 11.1 8.4 12.6

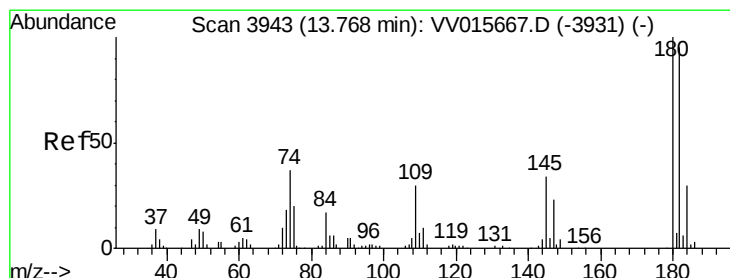
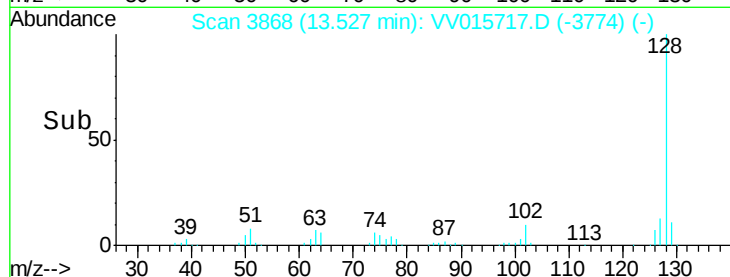
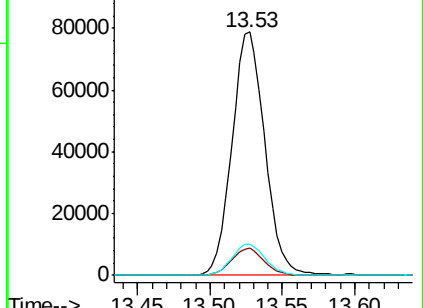
127 13.0 10.2 15.4



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: 5.105 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015717.D

Acq: 27 Apr 2020 10:01

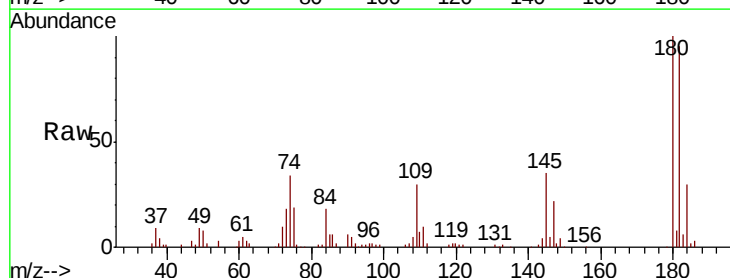
Tgt Ion:180 Resp: 66401

Ion Ratio Lower Upper

180 100

182 94.6 74.8 112.2

145 34.9 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

