

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
 Data File : VV015743.D
 Acq On : 28 Apr 2020 10:24
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 29 00:37:14 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	131382	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	127025	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	65447	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27041	3.94	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.80%
7) Chloroethane-d5	1.58	69	29730	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.12	63	70224	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.94	46	118517	53.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.52%
24) Chloroform-d	4.37	84	79591	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.06	65	46689	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
32) Benzene-d6	5.07	84	146367	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
36) 1,2-Dichloropropane-d6	6.09	67	47090	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.33	98	138092	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.64	79	16205	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.11	63	93082	50.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.90%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	37196	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.65	152	52383	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	58238	5.175 ug/L	99
3) Chloromethane	1.25	50	53254	5.470 ug/L	98
5) Vinyl chloride	1.32	62	54447	5.236 ug/L	100
6) Bromomethane	1.53	94	23171	5.190 ug/L	99
8) Chloroethane	1.59	64	34986	5.123 ug/L	98
9) Trichlorofluoromethane	1.76	101	79466	5.446 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43561	5.277 ug/L	97
12) 1,1-Dichloroethene	2.13	96	39920	5.221 ug/L	92
13) Acetone	2.22	43	78397	51.212 ug/L	99
14) Carbon disulfide	2.30	76	109969	5.087 ug/L	99
15) Methyl Acetate	2.46	43	20051	5.508 ug/L	99
16) Methylene chloride	2.52	84	49969	5.293 ug/L	100
17) Methyl tert-butyl Ether	2.79	73	115000	5.358 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	45597	5.326 ug/L	98
19) 1,1-Dichloroethane	3.21	63	91136	5.421 ug/L	99
21) 2-Butanone	4.02	43	123940	52.489 ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	48979	5.174 ug/L	98

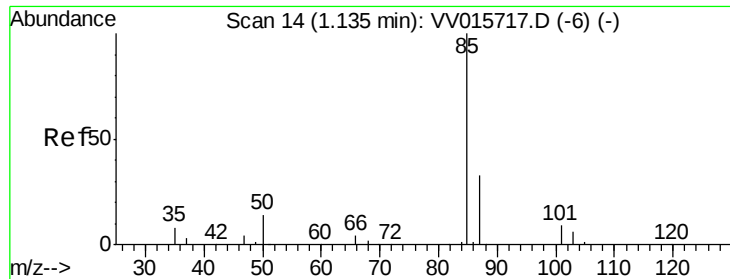
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042820\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	21517	5.565	ug/L	97
25) Chloroform	4.40	83	100335	5.622	ug/L	97
27) 1,2-Dichloroethane	5.15	62	63492	5.415	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	86102	5.345	ug/L	99
30) Cyclohexane	4.70	56	76587	4.976	ug/L	99
31) Carbon tetrachloride	4.85	117	71058	5.326	ug/L	97
33) Benzene	5.12	78	192568	5.306	ug/L	100
34) Trichloroethene	5.94	95	51408	5.129	ug/L	97
35) Methylcyclohexane	6.15	83	74268	4.828	ug/L	99
37) 1,2-Dichloropropane	6.20	63	49412	5.356	ug/L	100
38) Bromodichloromethane	6.53	83	62302	5.319	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	60374	4.695	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	313530	52.369	ug/L	99
42) Toluene	7.41	91	205065	5.288	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	51676	4.782	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	33262	5.290	ug/L	99
47) Tetrachloroethene	8.00	164	36088	5.001	ug/L	98
48) 2-Hexanone	8.16	43	226590	53.073	ug/L	99
49) Dibromochloromethane	8.27	129	36373	5.590	ug/L	98
50) 1,2-Dibromoethane	8.37	107	31269	5.378	ug/L	96
51) Chlorobenzene	8.90	112	131503	5.177	ug/L	98
52) Ethylbenzene	9.03	91	229301	5.110	ug/L	99
53) m,p-xylene	9.16	106	86928	5.288	ug/L	98
54) o-xylene	9.56	106	82819	5.207	ug/L	100
55) Styrene	9.58	104	143593	5.321	ug/L	100
56) Isopropylbenzene	9.95	105	226601	5.078	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	39178	5.336	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	30473	5.174	ug/L	96
61) Bromoform	9.75	173	15534	5.750	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	104043	5.023	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	105161	5.034	ug/L	97
65) 1,2-Dichlorobenzene	11.67	146	97727	5.217	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	6397	5.241	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	73772	4.819	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	63606	4.515	ug/L	97
69) Naphthalene	13.53	128	110294	4.374	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	59205	4.762	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.175 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

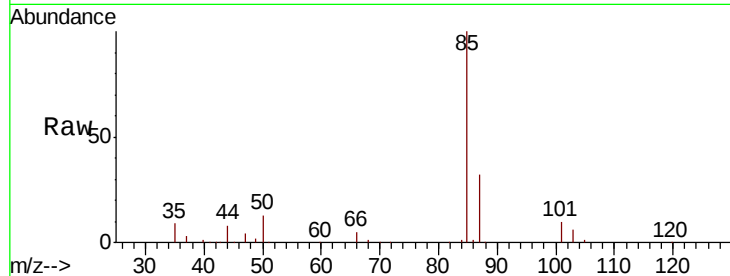
ClientSampleId :

Tot Ion: 85 Resp: 58238

Ion Ratio Lower Upper

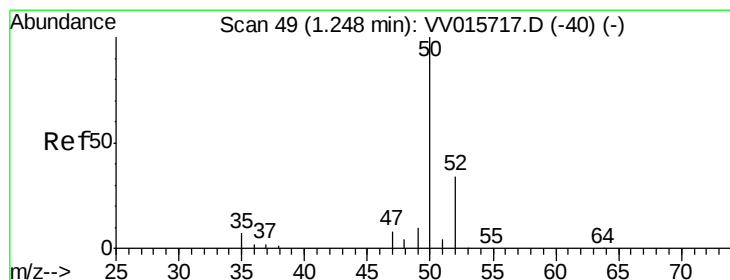
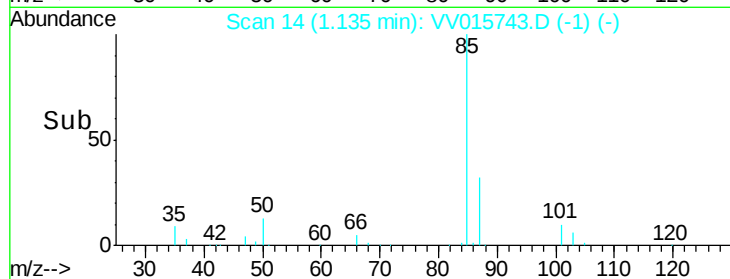
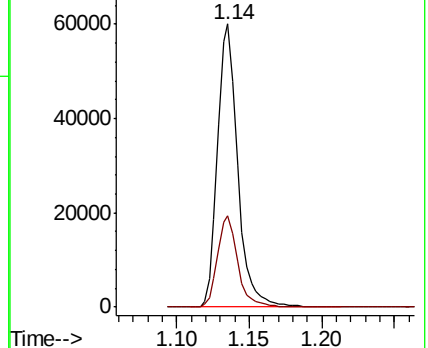
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.470 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV015743.D

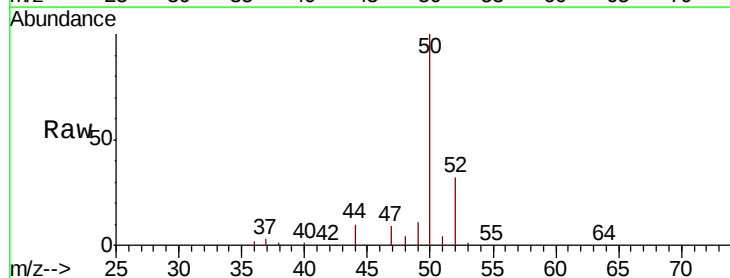
Acq: 28 Apr 2020 10:24

Tgt Ion: 50 Resp: 53254

Ion Ratio Lower Upper

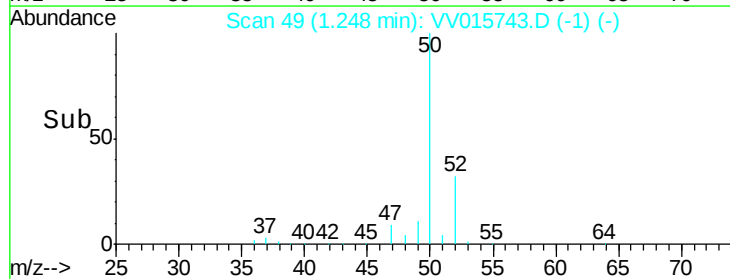
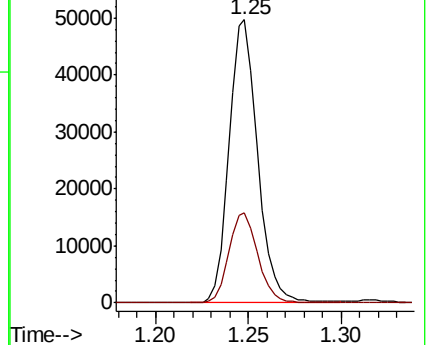
50 100

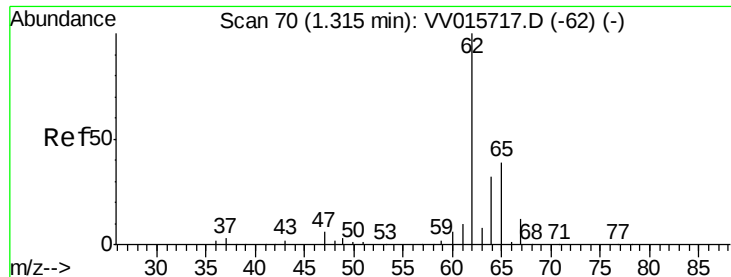
52 31.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.236 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

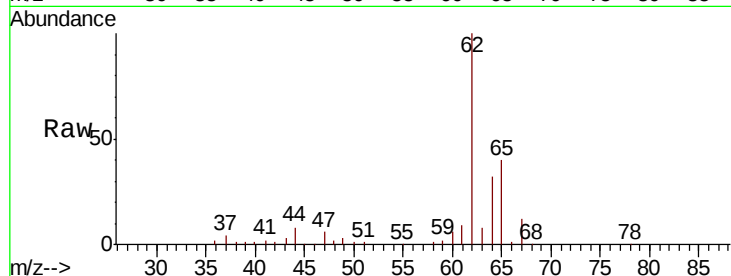
ClientSampled :

Tot Ion: 62 Resp: 54447

Ion Ratio Lower Upper

62 100

64 32.3 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

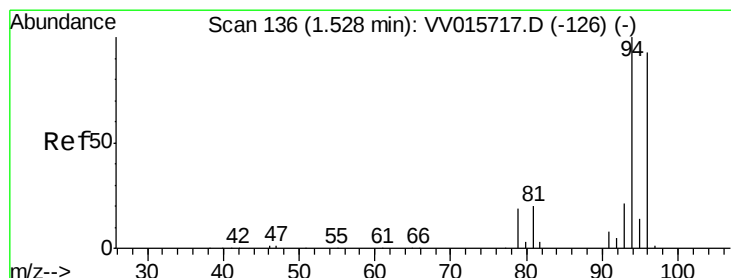
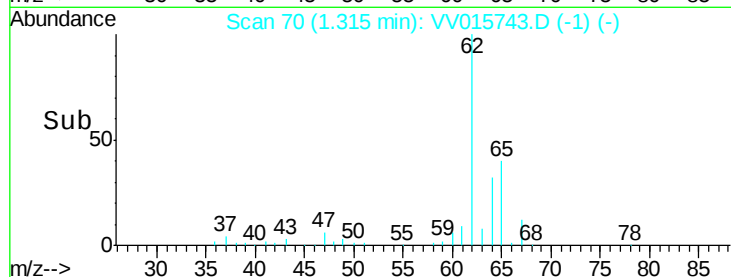
20000

10000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 5.190 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.00 min

Lab File: VV015743.D

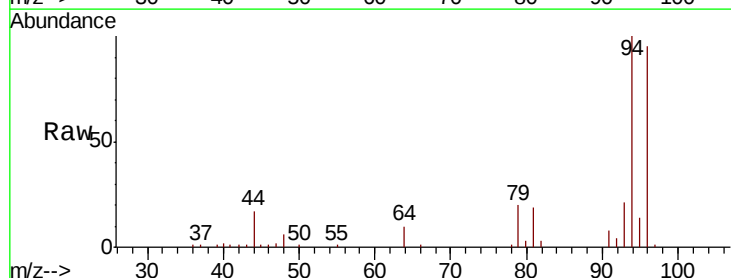
Acq: 28 Apr 2020 10:24

Tgt Ion: 94 Resp: 23171

Ion Ratio Lower Upper

94 100

96 95.5 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

20000

15000

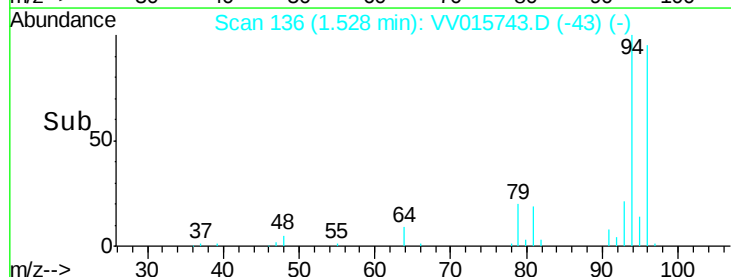
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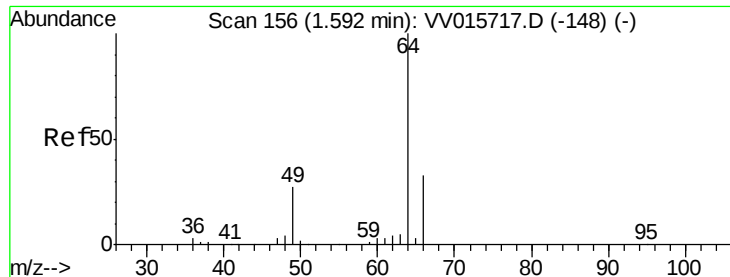
5000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 5.123 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

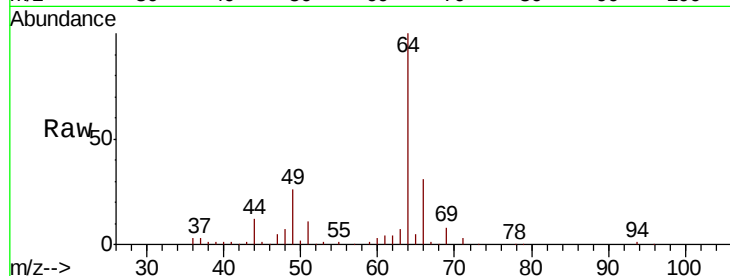
ClientSampleId :

Tot Ion: 64 Resp: 34986

Ion Ratio Lower Upper

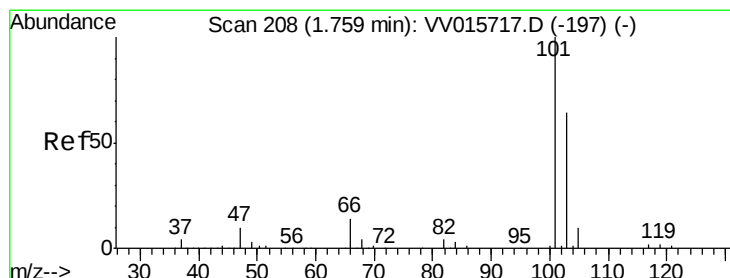
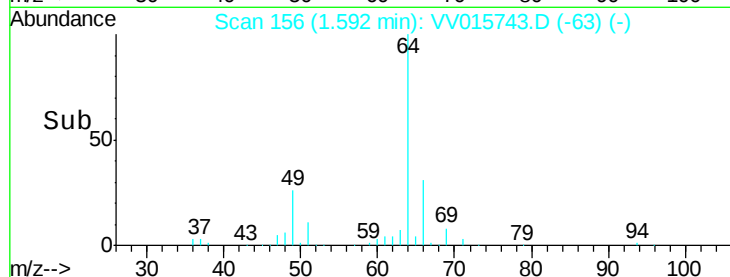
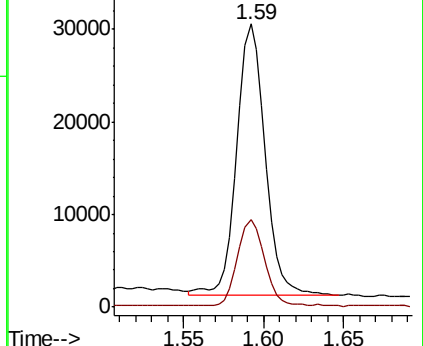
64 100

66 30.7 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015717.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV015717.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 5.446 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV015743.D

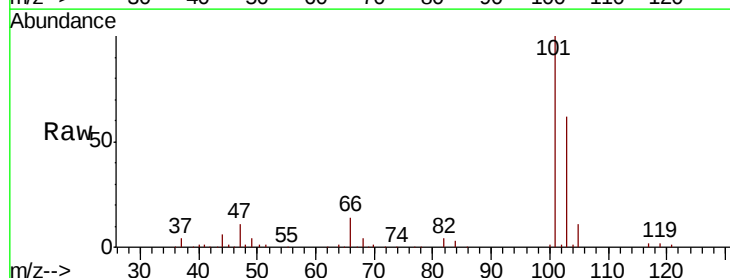
Acq: 28 Apr 2020 10:24

Tgt Ion: 101 Resp: 79466

Ion Ratio Lower Upper

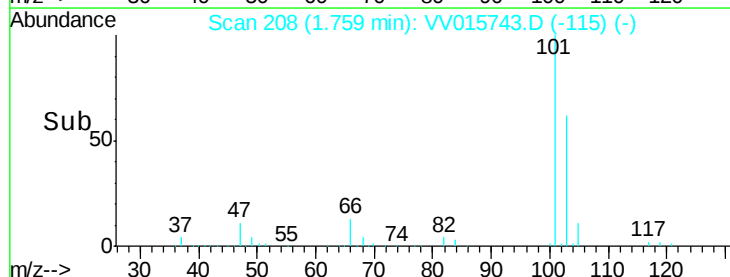
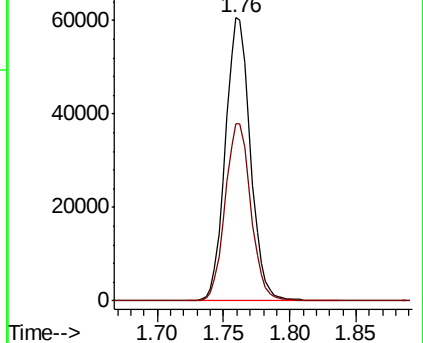
101 100

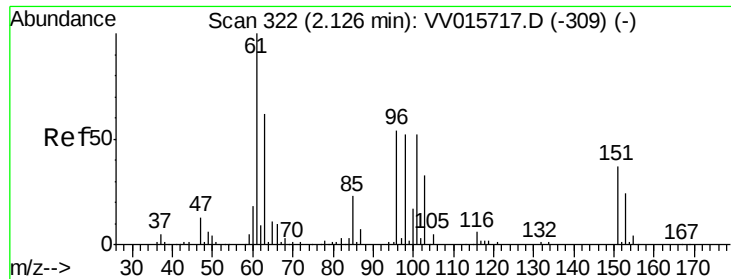
103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV015717.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV015717.D (-197) (-)





#10

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

Concen: 5.277 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

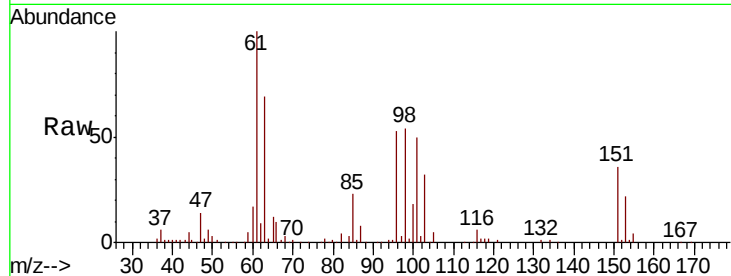
Tot Ion:101 Resp: 43561

Ion Ratio Lower Upper

101 100

85 46.3 36.1 54.1

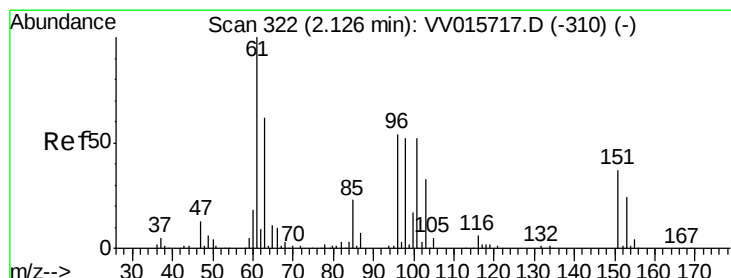
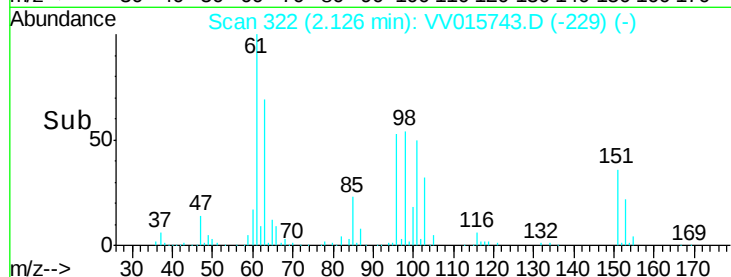
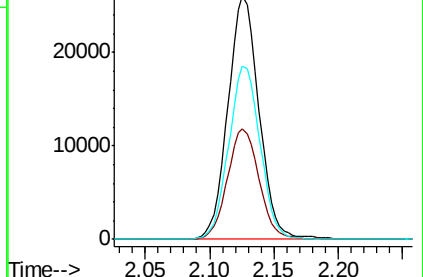
151 71.8 55.2 82.8



Abundance Ion 101.00 (100.70 to 101.70): VV015743.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV015743.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV015743.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 5.221 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

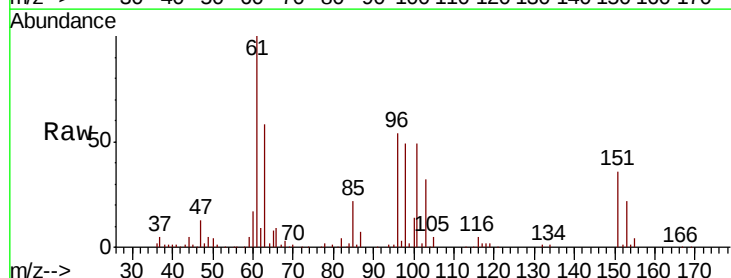
Tgt Ion: 96 Resp: 39920

Ion Ratio Lower Upper

96 100

61 184.9 130.1 241.7

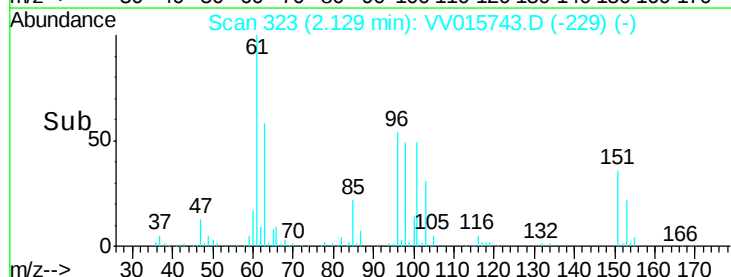
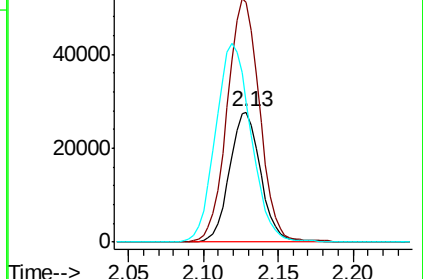
63 107.8 91.4 169.8

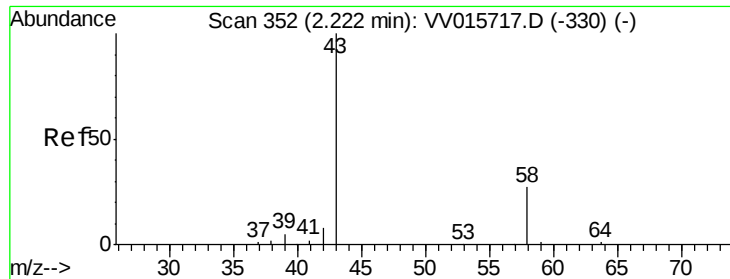


Abundance Ion 96.00 (95.70 to 96.70): VV015743.D (-229) (-)

Ion 61.05 (60.75 to 61.75): VV015743.D (-229) (-)

Ion 63.00 (62.70 to 63.70): VV015743.D (-229) (-)





#13

Acetone

Concen: 51.212 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

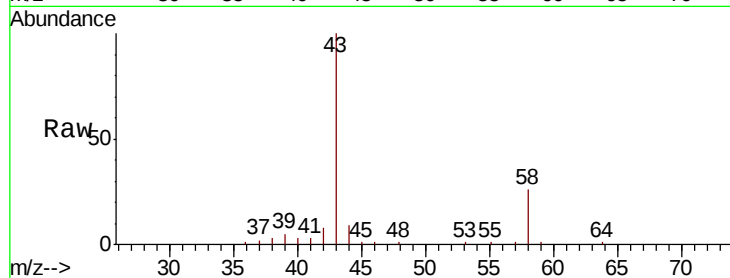
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 78397

Ion Ratio Lower Upper

43 100

58 28.2 0.0 57.6



Abundance Ion 43.05 (42.75 to 43.75): VV015717.D (-330) (-)

Ion 58.05 (57.75 to 58.75): VV015717.D (-330) (-)

2.22

20000

15000

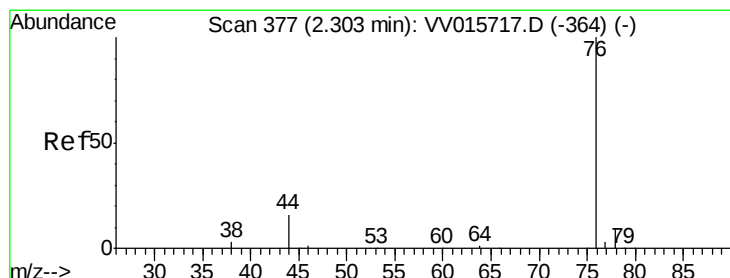
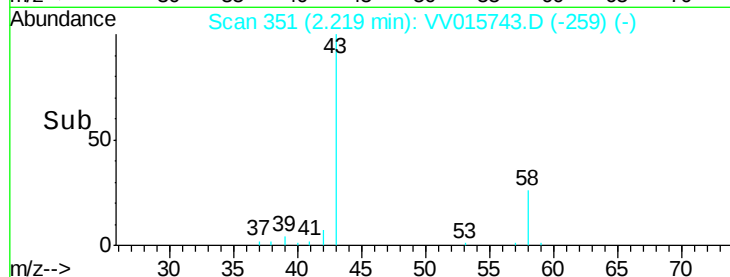
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5000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 5.087 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV015743.D

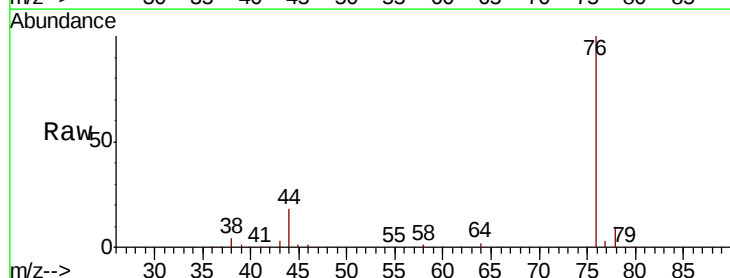
Acq: 28 Apr 2020 10:24

Tgt Ion: 76 Resp: 109969

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV015717.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV015717.D (-364) (-)

2.30

80000

60000

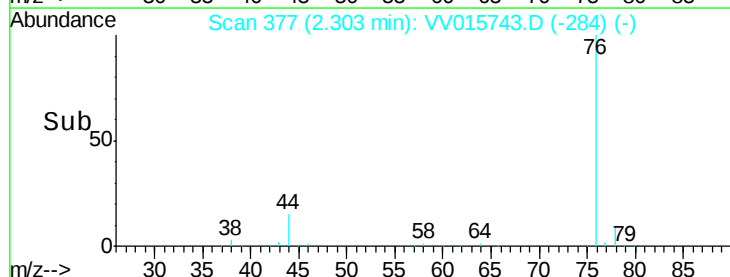
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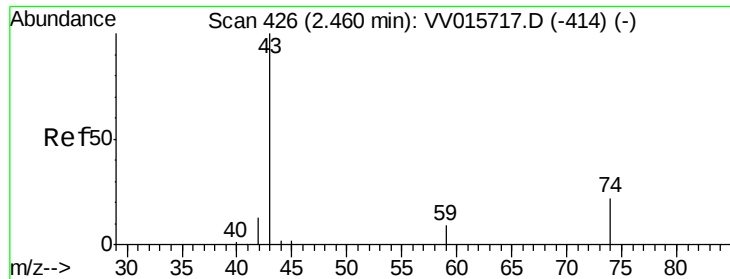
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0

Time-->

2.25 2.30 2.35 2.40

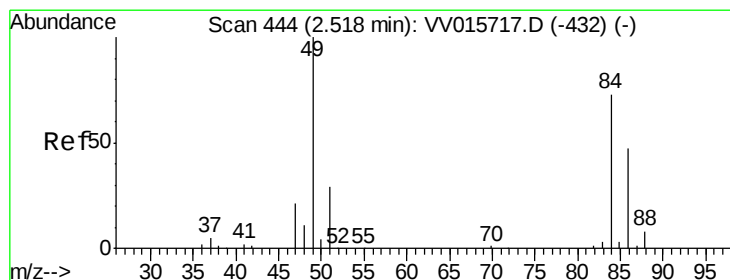
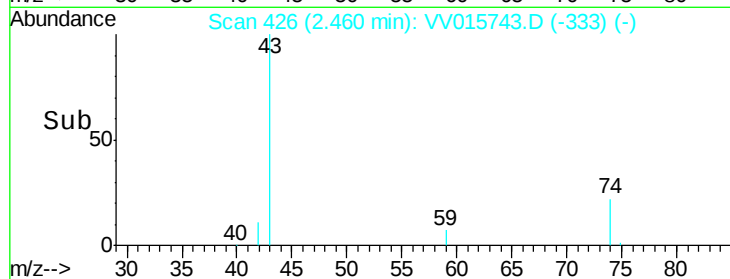
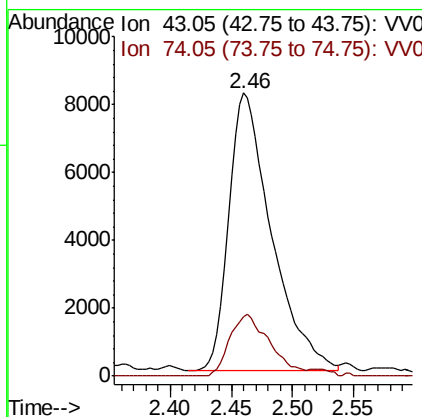
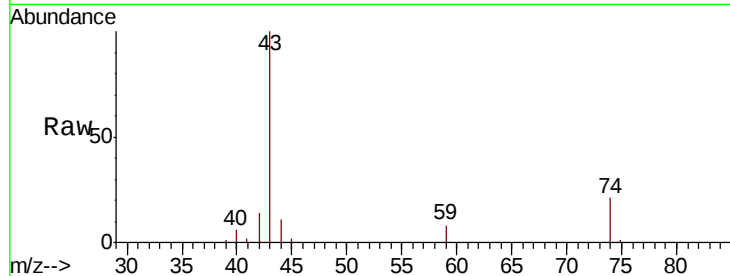




#15
Methvl Acetate
Concen: 5.508 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

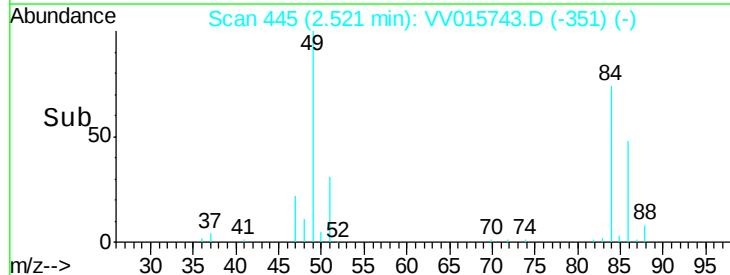
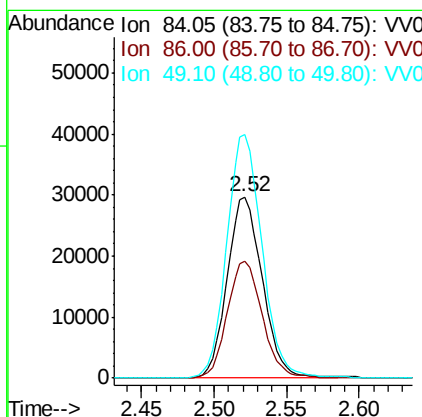
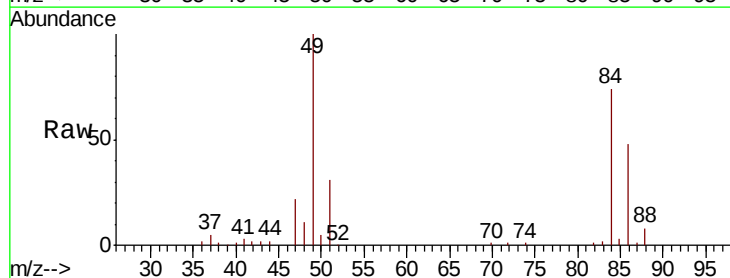
Instrument :
MSVOA_V
ClientSampleId :

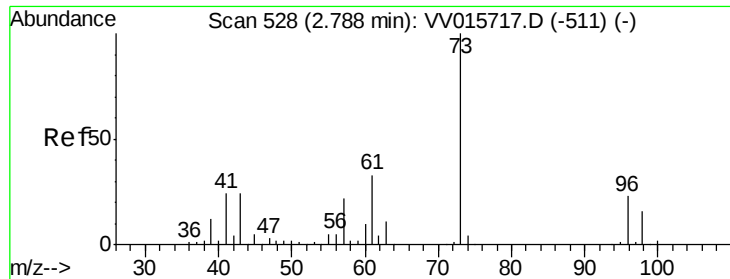
Tot Ion: 43 Resp: 20051
Ion Ratio Lower Upper
43 100
74 20.8 16.3 24.5



#16
Methylene chloride
Concen: 5.293 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion: 84 Resp: 49969
Ion Ratio Lower Upper
84 100
86 64.3 45.1 83.7
49 134.2 94.4 175.4

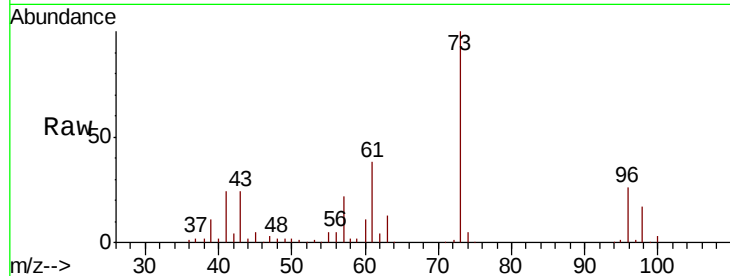




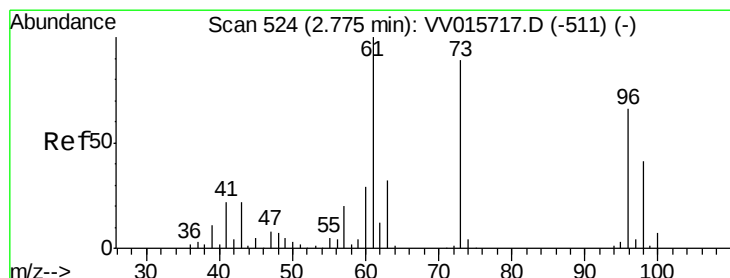
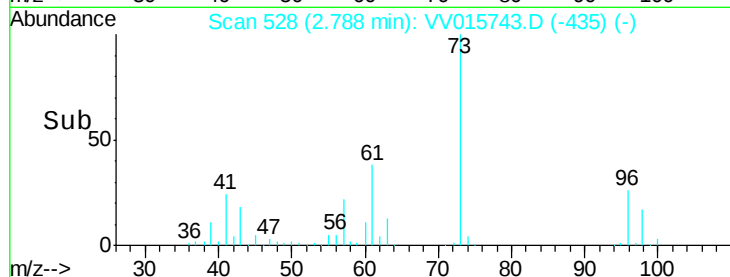
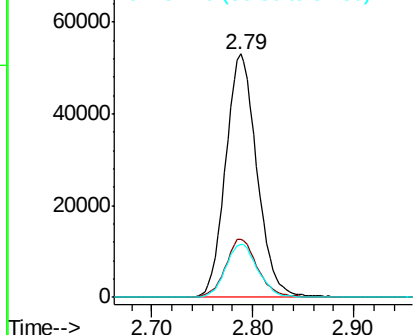
#17
Methvl tert-butvl Ether
Concen: 5.358 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 115000
Ion Ratio Lower Upper
73 100
43 23.7 20.1 30.1
57 22.3 17.8 26.8

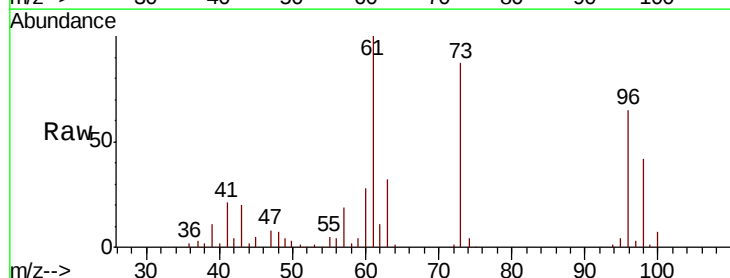


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

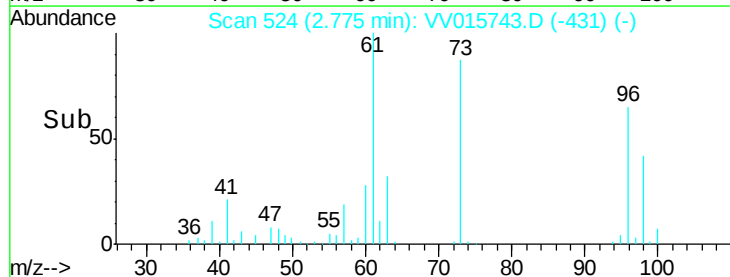
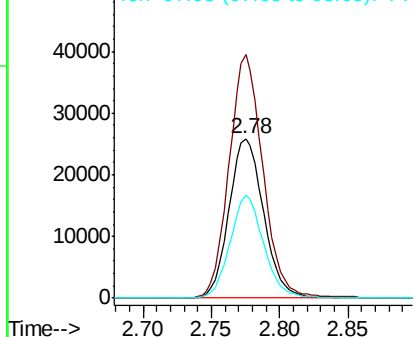


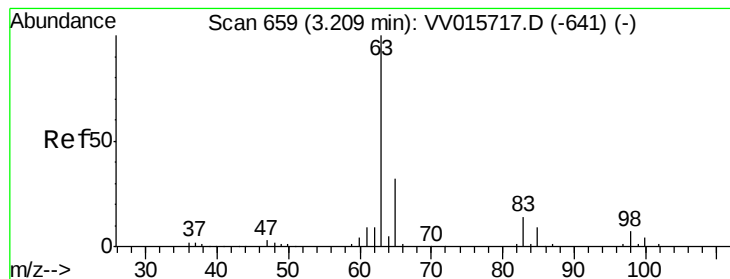
#18
trans-1,2-Dichloroethene
Concen: 5.326 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion: 96 Resp: 45597
Ion Ratio Lower Upper
96 100
61 152.8 105.5 195.9
98 64.1 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: 5.421 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

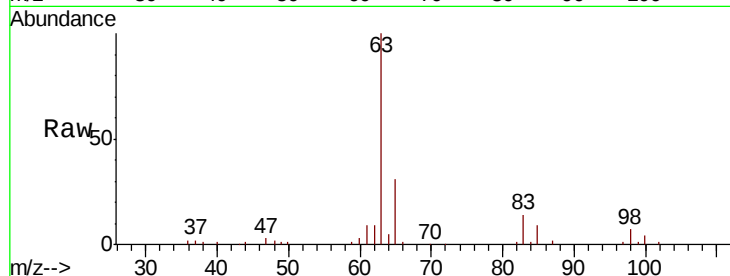
Tot Ion: 63 Resp: 91136

Ion Ratio Lower Upper

63 100

65 31.4 22.3 41.3

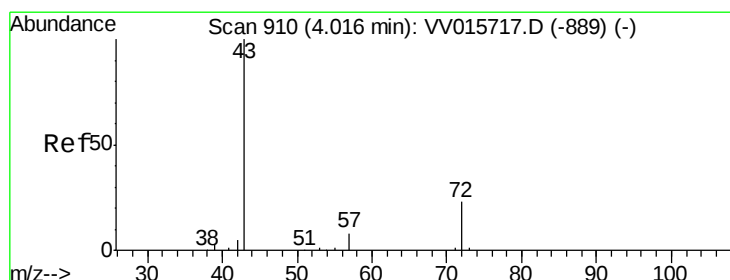
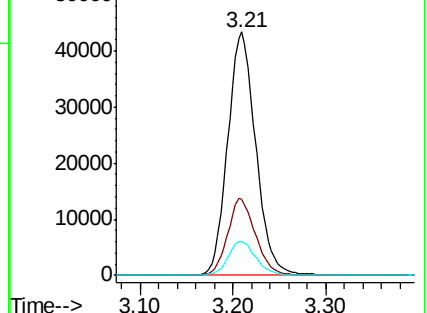
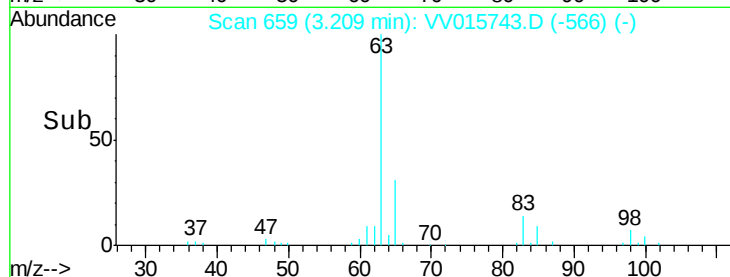
83 13.7 9.3 17.3



Abundance Ion 63.10 (62.80 to 63.80): VV015743.D (-566) (-)

Ion 65.10 (64.80 to 65.80): VV015743.D (-566) (-)

Ion 83.05 (82.75 to 83.75): VV015743.D (-566) (-)



#21

2-Butanone

Concen: 52.489 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV015743.D

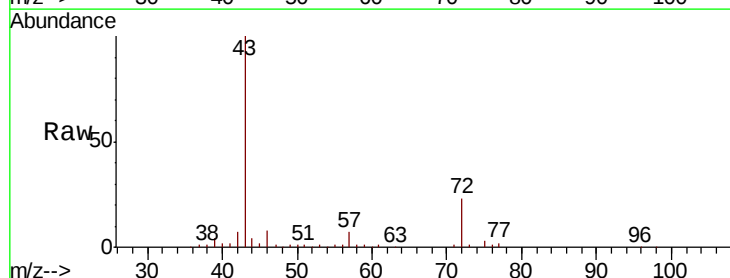
Acq: 28 Apr 2020 10:24

Tgt Ion: 43 Resp: 123940

Ion Ratio Lower Upper

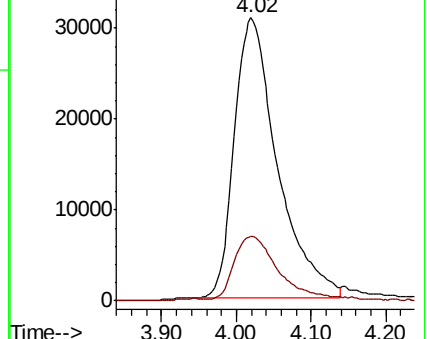
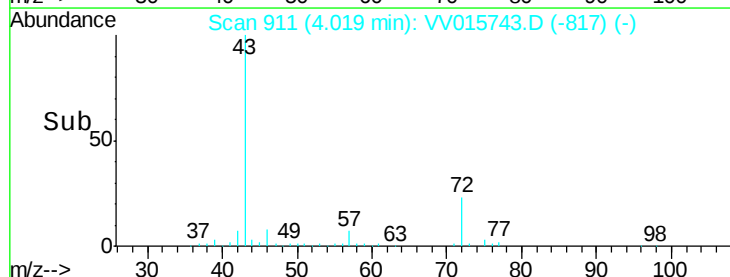
43 100

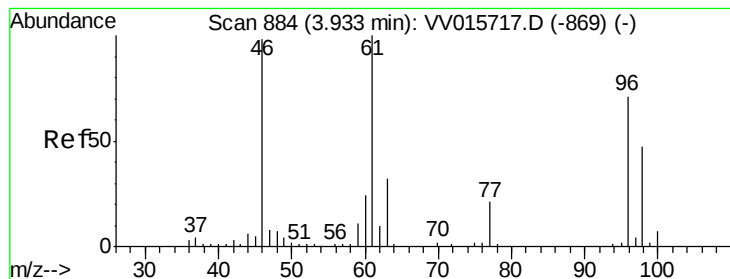
72 23.0 12.3 36.9



Abundance Ion 43.00 (42.70 to 43.70): VV015743.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV015743.D (-817) (-)



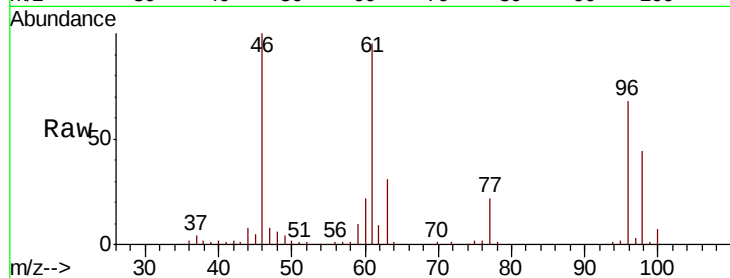


#22

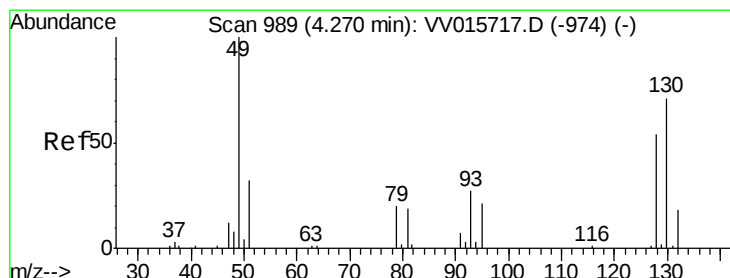
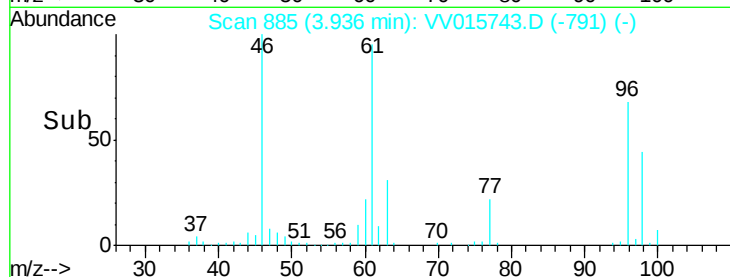
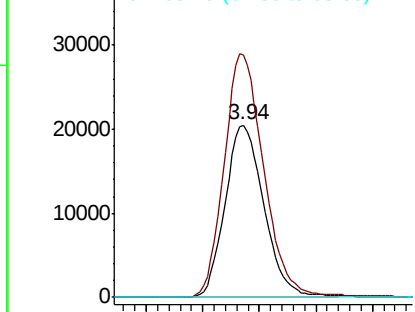
cis-1,2-Dichloroethene
Concen: 5.174 ug/L
RT: 3.94 min Scan# 885
Delta R.T. 0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 48979
Ion Ratio Lower Upper
96 100
61 140.7 96.4 179.0
68 0.0 0.0 0.0



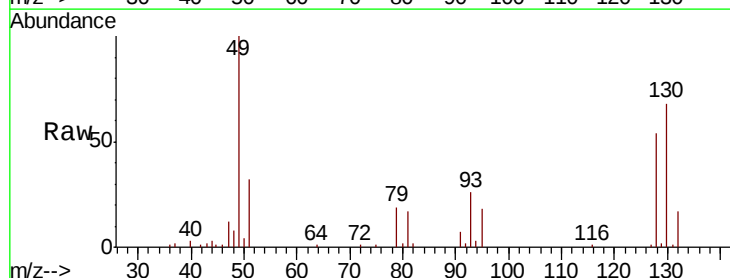
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



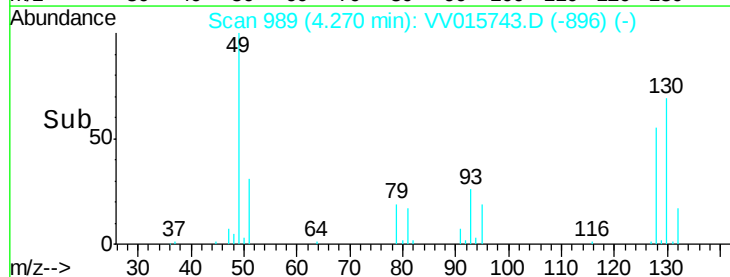
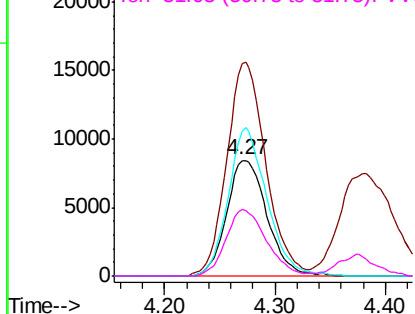
#23

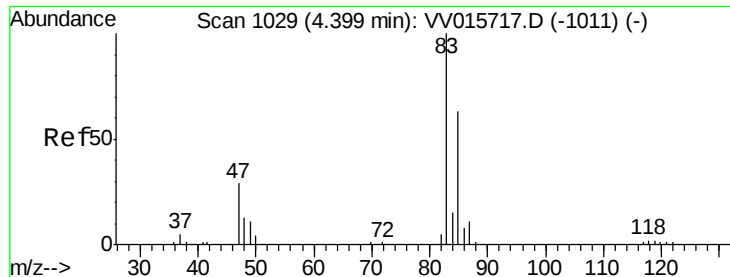
Bromochloromethane
Concen: 5.565 ug/L
RT: 4.27 min Scan# 989
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion: 128 Resp: 21517
Ion Ratio Lower Upper
128 100
49 183.6 130.8 242.8
130 125.1 91.1 169.3
51 57.9 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

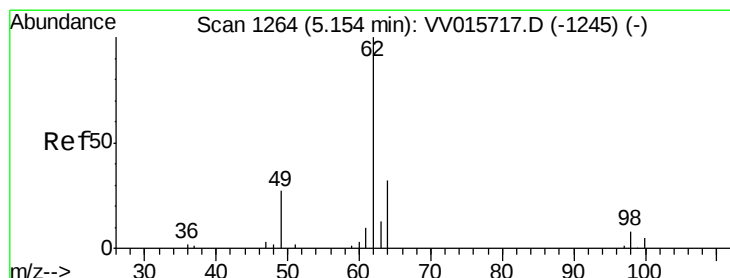
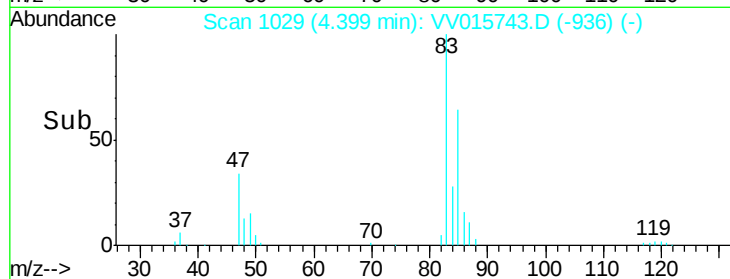
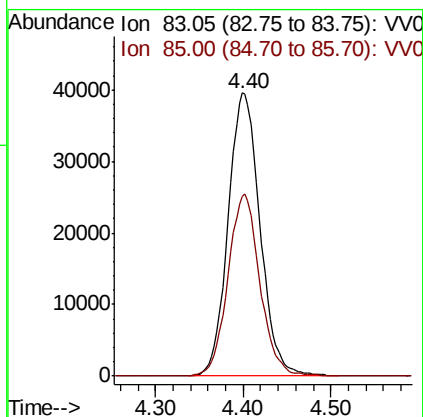
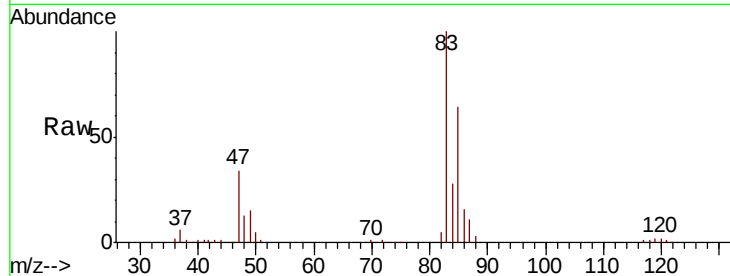




#25
Chloroform
Concen: 5.622 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

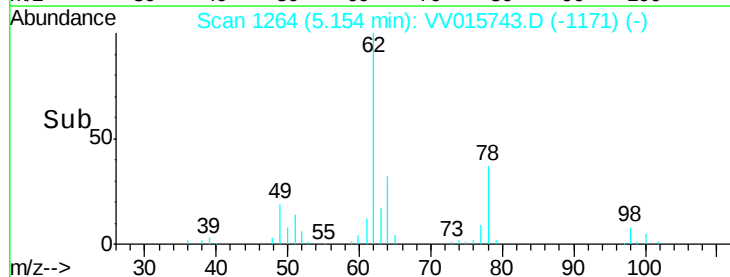
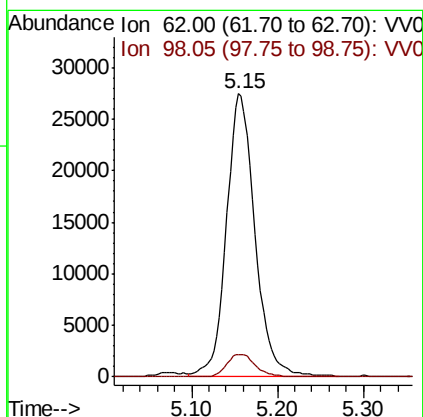
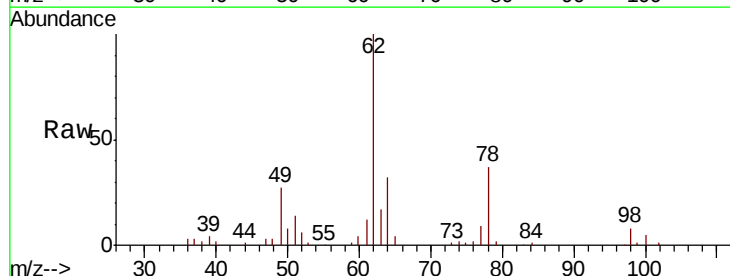
Instrument :
MSVOA_V
ClientSampled :

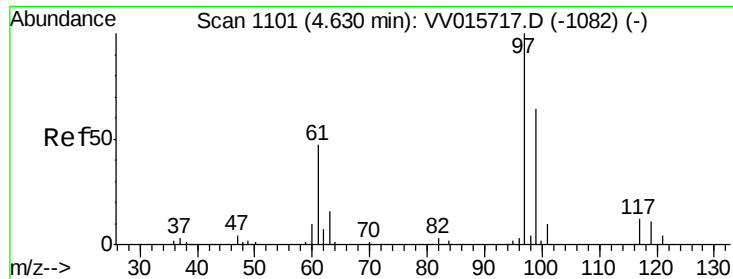
Tot Ion: 83 Resp: 100335
Ion Ratio Lower Upper
83 100
85 63.7 46.1 85.5



#27
1,2-Dichloroethane
Concen: 5.415 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion: 62 Resp: 63492
Ion Ratio Lower Upper
62 100
98 7.8 6.3 9.5

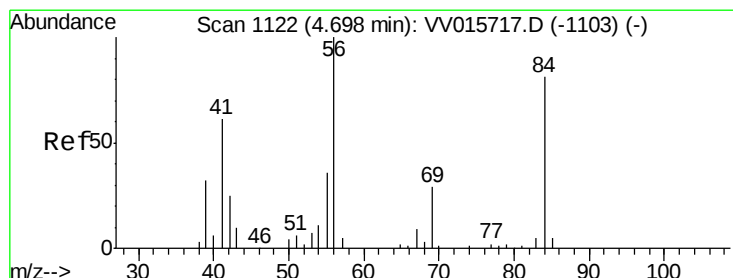
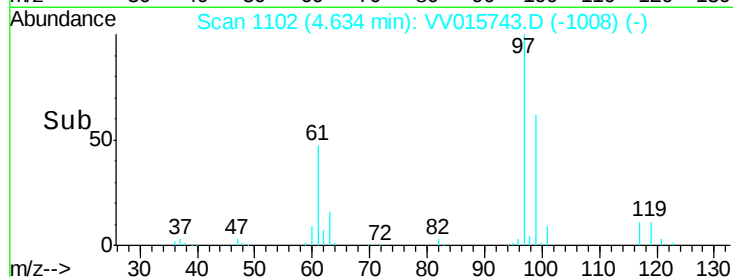
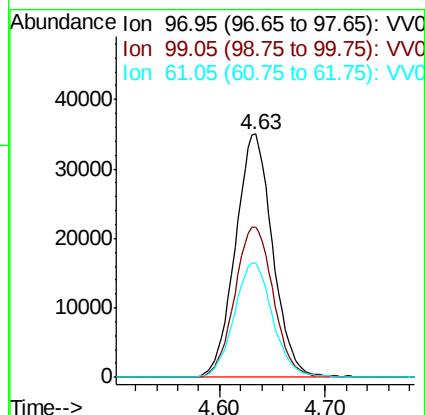
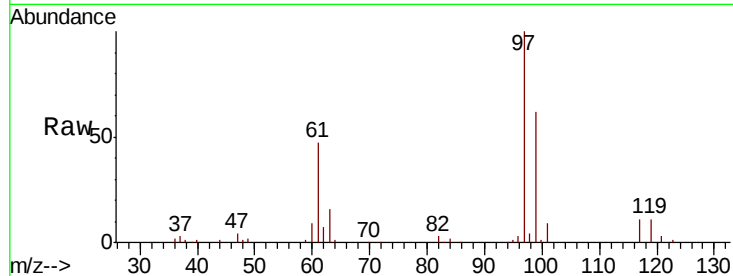




#29
 1,1,1-Trichloroethane
 Concen: 5.345 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

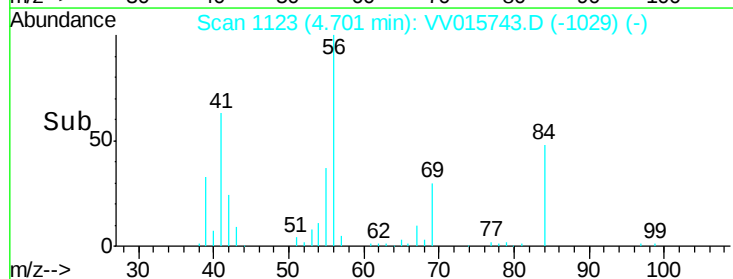
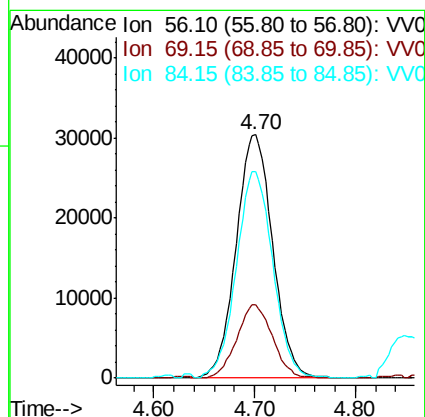
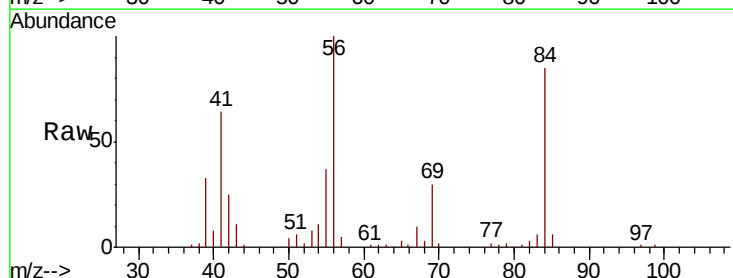
Instrument :
 MSVOA_V
 ClientSampled :

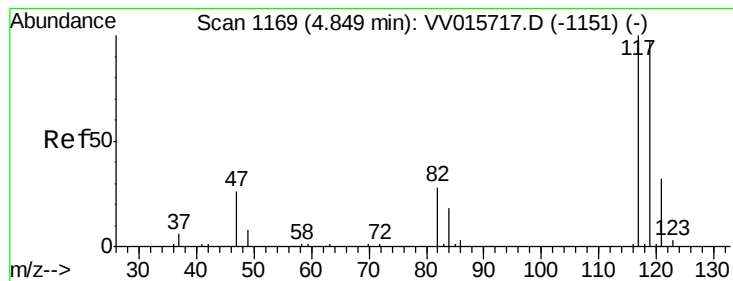
Tot Ion: 97 Resp: 86102
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 48.6 38.6 57.8



#30
 Cyclohexane
 Concen: 4.976 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Tgt Ion: 56 Resp: 76587
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.9 35.9
 84 84.6 66.9 100.3





#31

Carbon tetrachloride

Concen: 5.326 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

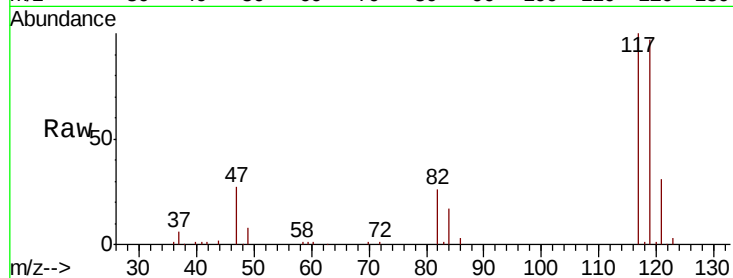
ClientSampleId :

Tot Ion:117 Resp: 71058

Ion Ratio Lower Upper

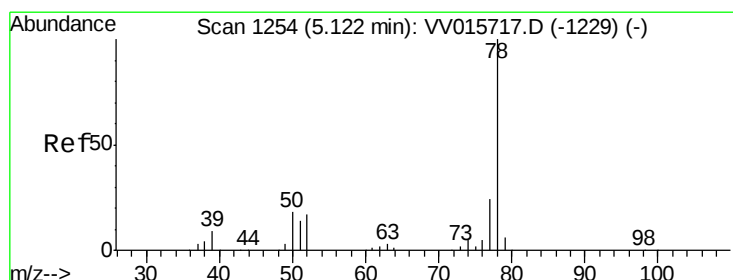
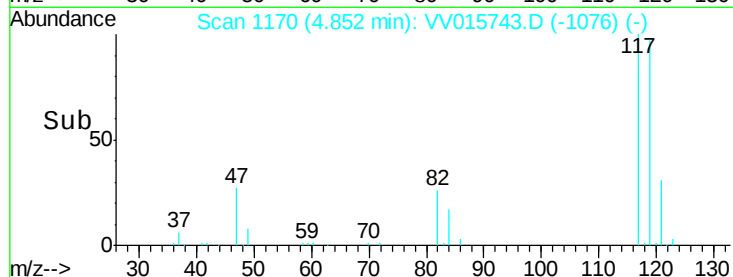
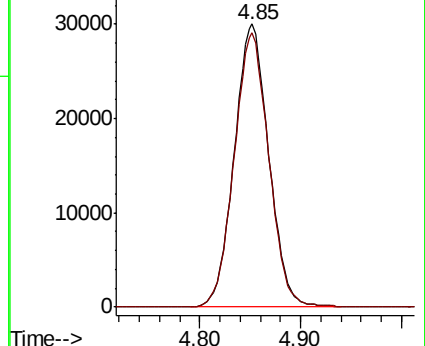
117 100

119 97.5 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: 5.306 ug/L

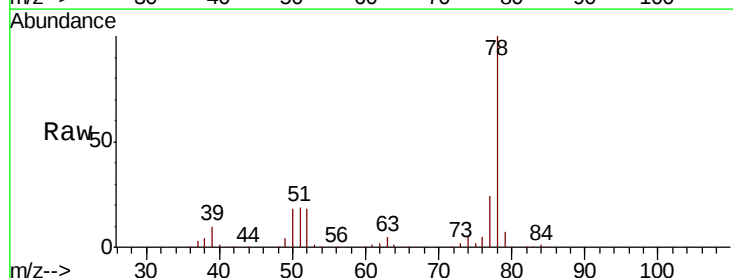
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

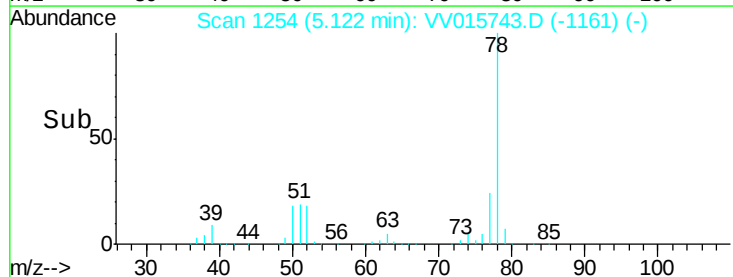
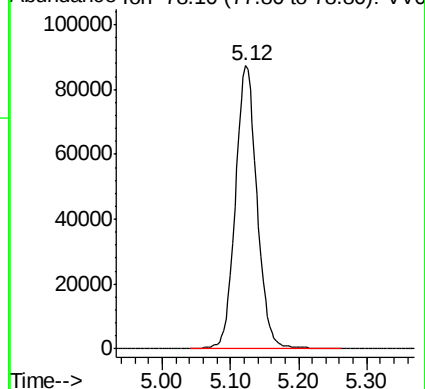
Lab File: VV015743.D

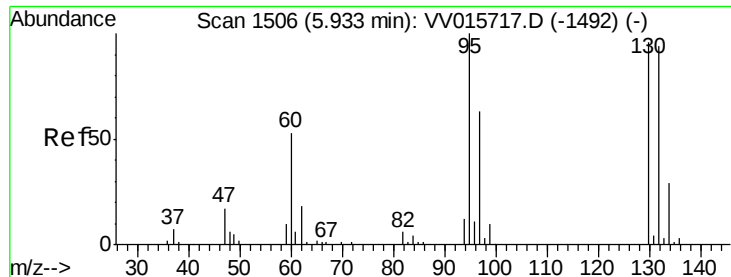
Acq: 28 Apr 2020 10:24

Tgt Ion: 78 Resp: 192568



Abundance Ion 78.10 (77.80 to 78.80): VV0

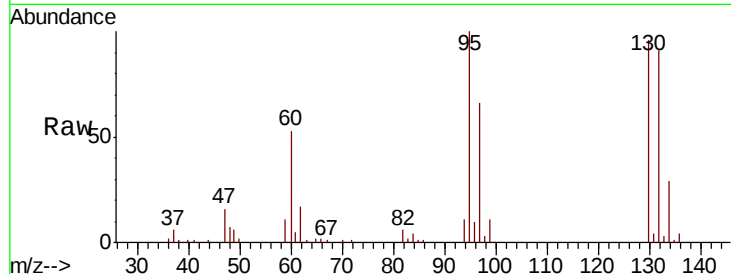




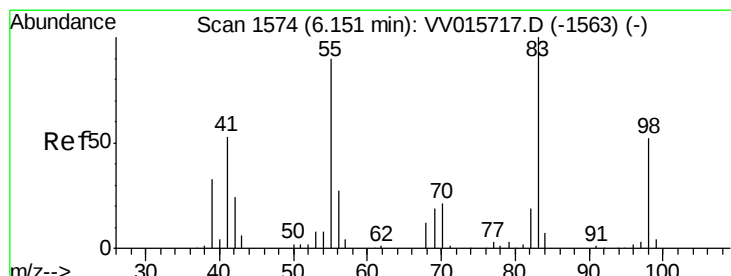
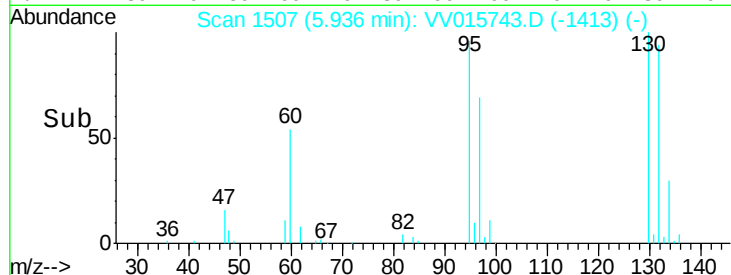
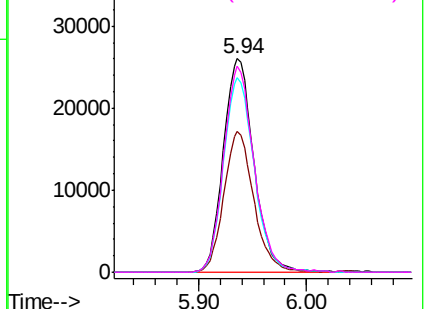
#34
 Trichloroethene
 Concen: 5.129 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 51408
 Ion Ratio Lower Upper
 95 100
 97 66.1 44.7 82.9
 132 90.9 65.2 121.0
 130 96.4 65.0 120.6

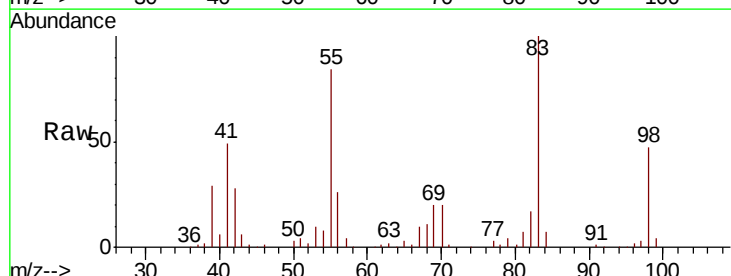


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

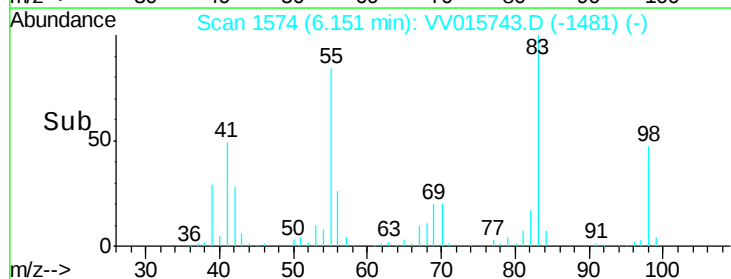
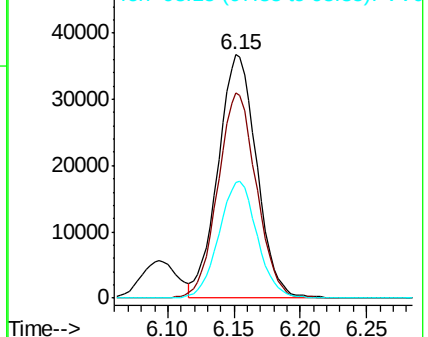


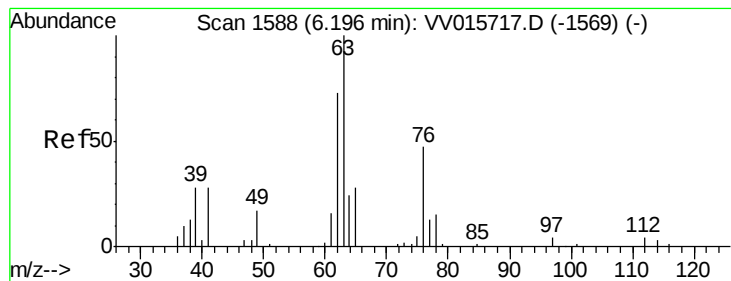
#35
 Methylcyclohexane
 Concen: 4.828 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Tgt Ion: 83 Resp: 74268
 Ion Ratio Lower Upper
 83 100
 55 83.1 66.6 99.8
 98 47.3 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: 5.356 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

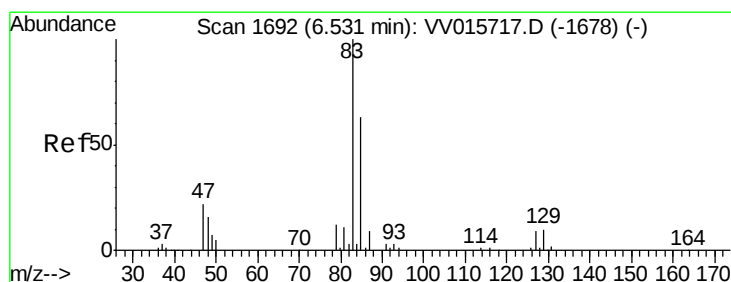
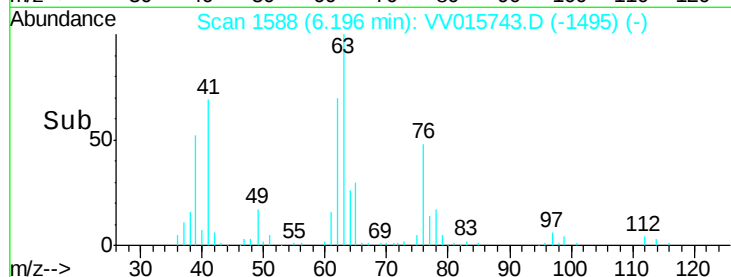
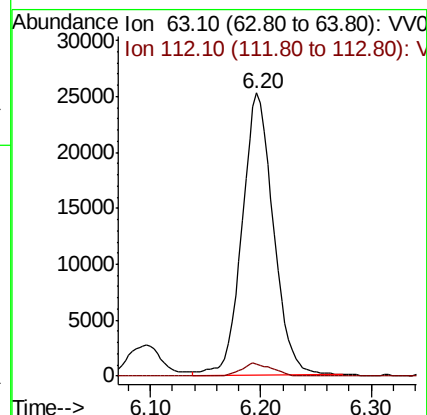
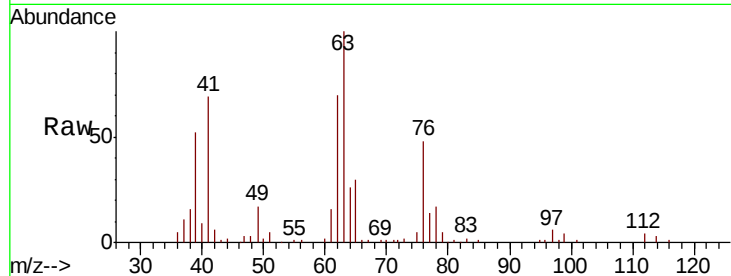
ClientSampled :

Tot Ion: 63 Resp: 49412

Ion Ratio Lower Upper

63 100

112 4.4 3.6 5.4



#38

Bromodichloromethane

Concen: 5.319 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

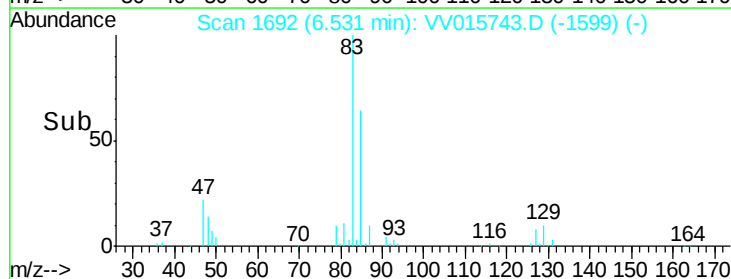
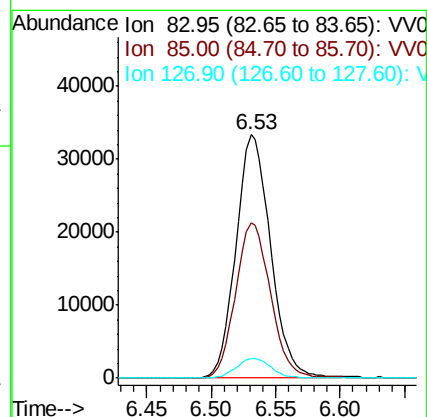
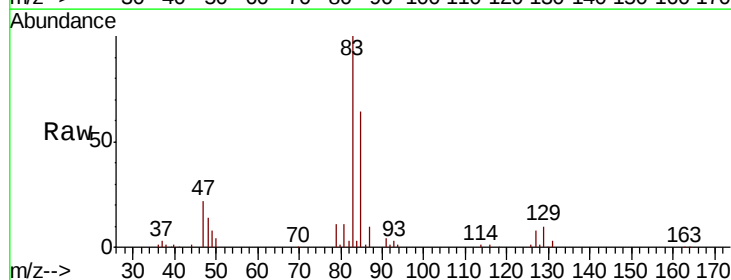
Tgt Ion: 83 Resp: 62302

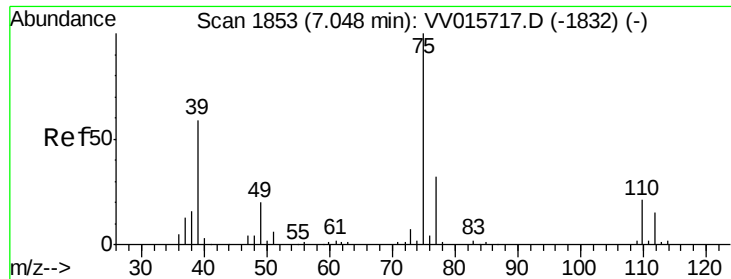
Ion Ratio Lower Upper

83 100

85 64.0 44.7 83.1

127 8.2 5.8 8.6



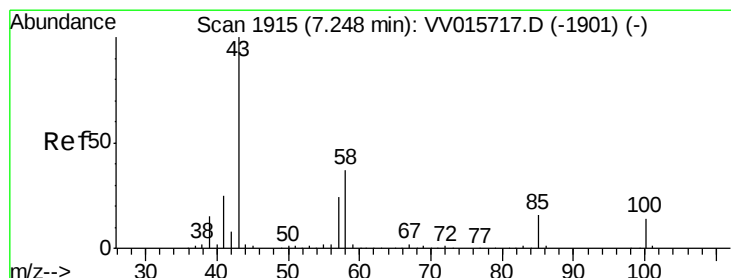
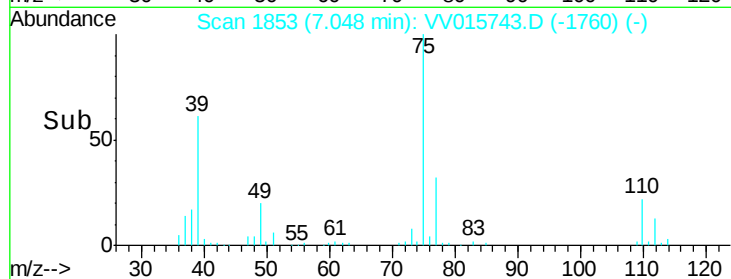
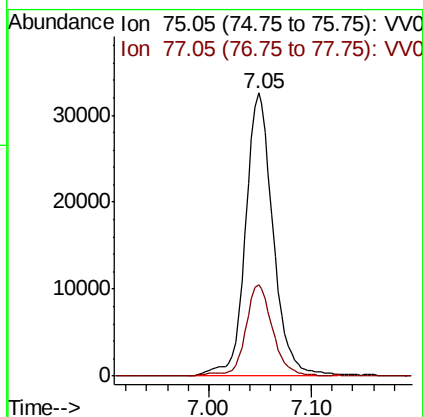
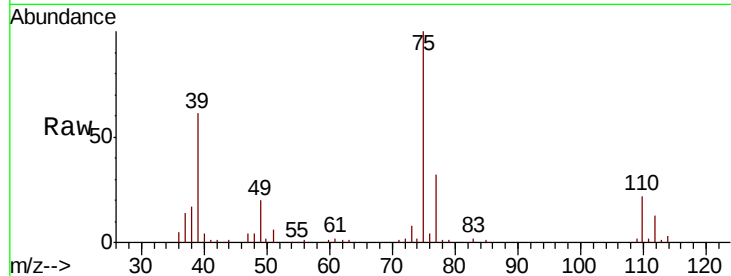


#39

cis-1,3-Dichloropropene
 Concen: 4.695 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Instrument :
 MSVOA_V
 ClientSampled :

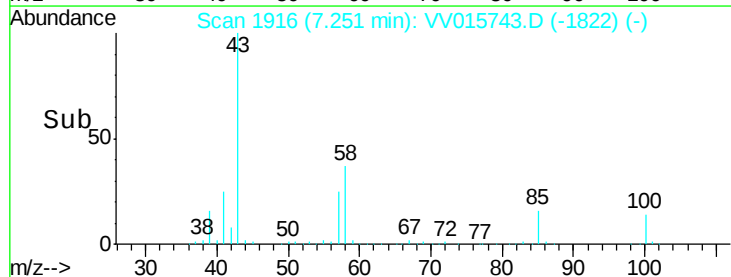
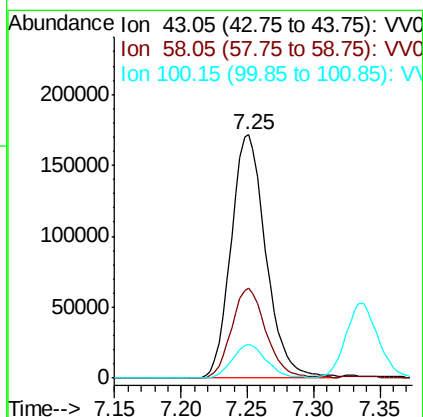
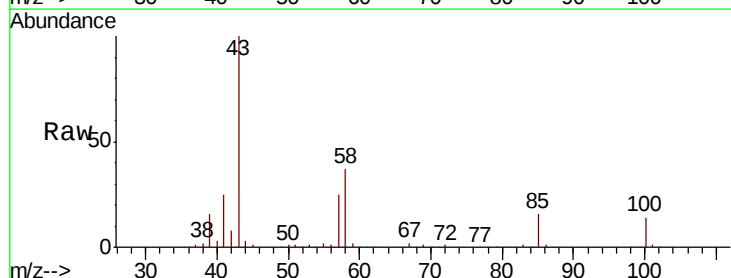
Tot Ion: 75 Resp: 60374
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.3 41.5

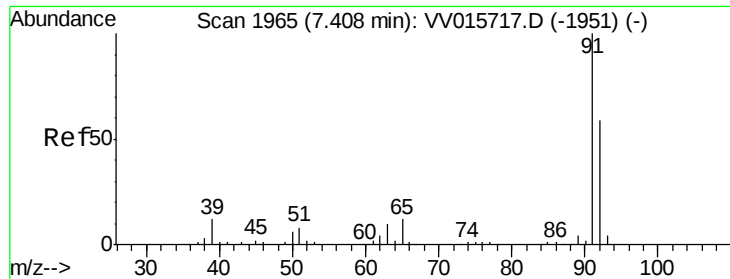


#40

4-Methyl-2-pentanone
 Concen: 52.369 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Tgt Ion: 43 Resp: 313530
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.2 43.8
 100 13.8 11.4 17.2





#42

Toluene

Concen: 5.288 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

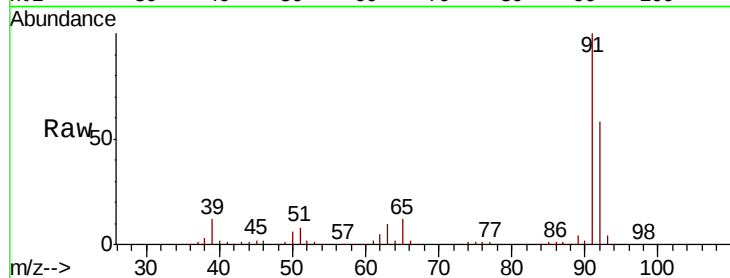
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 205065

Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

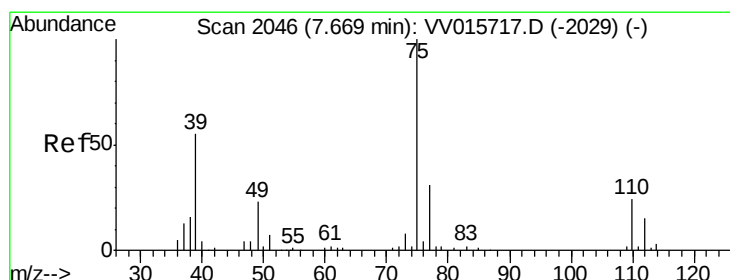
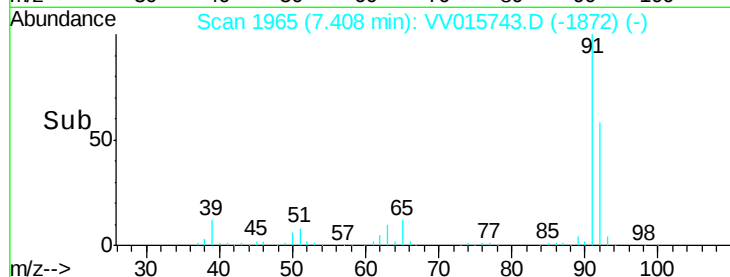
7.41

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.782 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015743.D

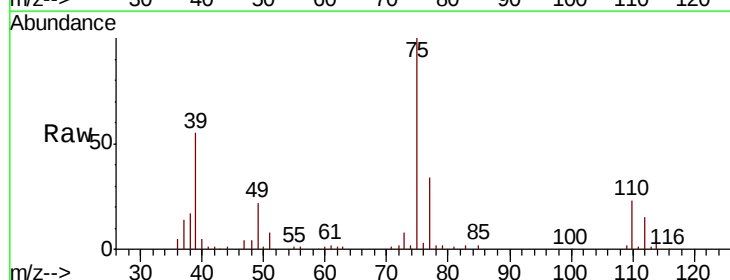
Acq: 28 Apr 2020 10:24

Tgt Ion: 75 Resp: 51676

Ion Ratio Lower Upper

75 100

77 33.6 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.67

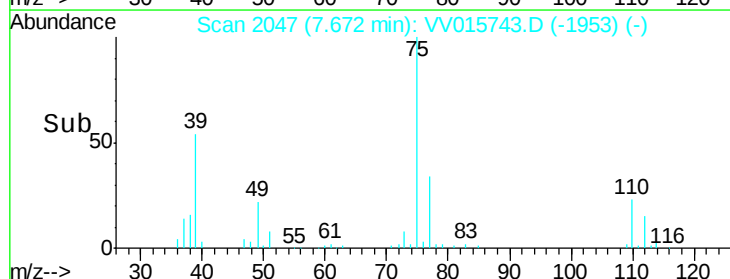
30000

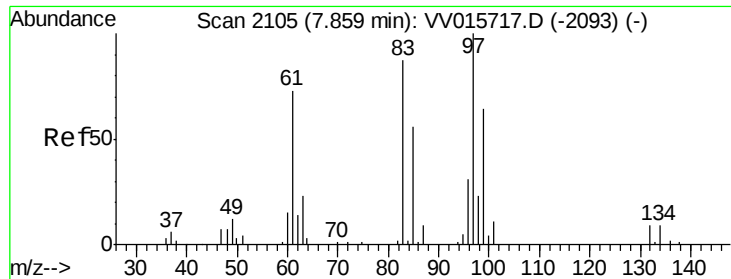
20000

10000

0

Time-->

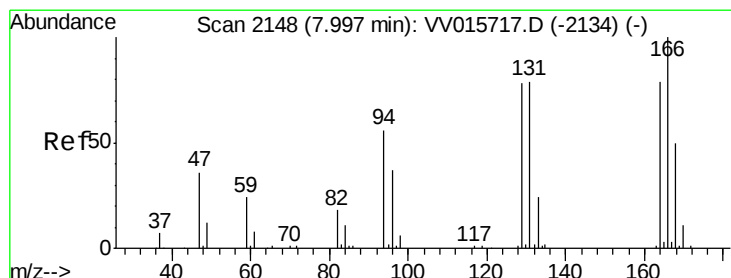
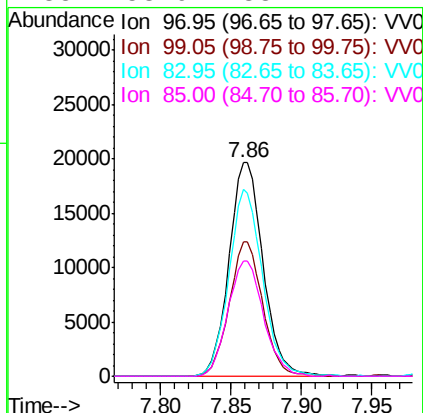
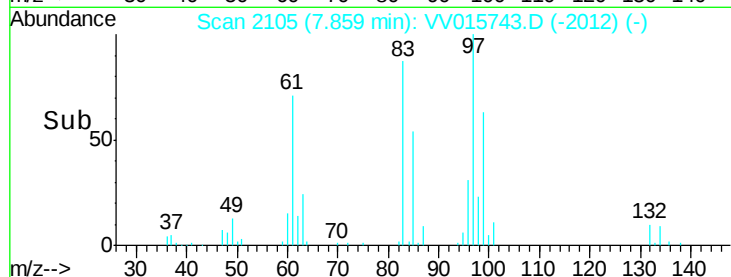
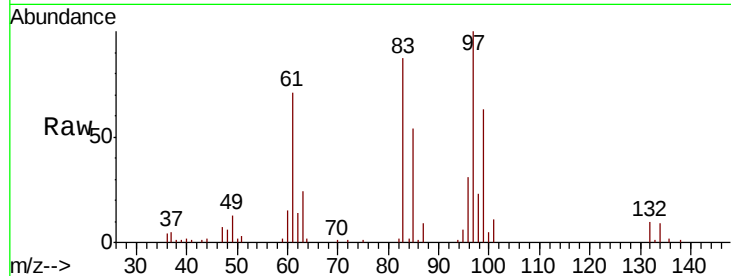




#45
1,1,2-Trichloroethane
Concen: 5.290 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

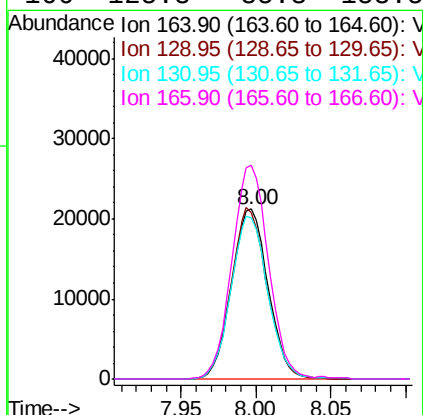
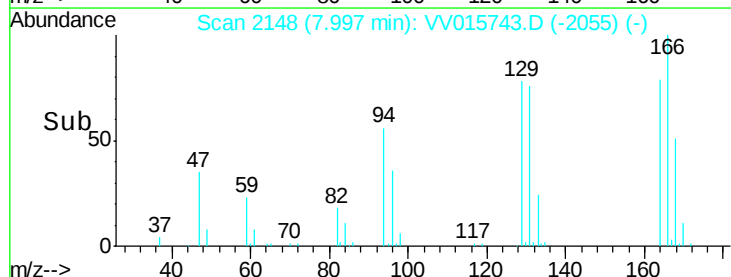
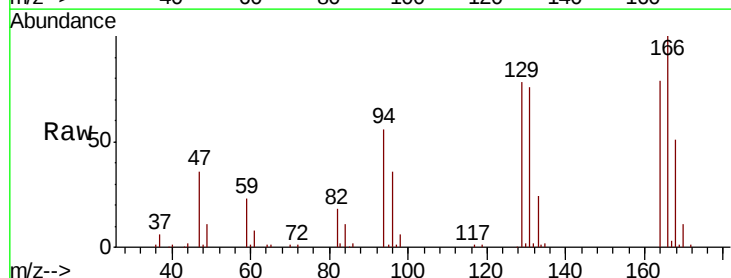
Instrument :
MSVOA_V
ClientSampled :

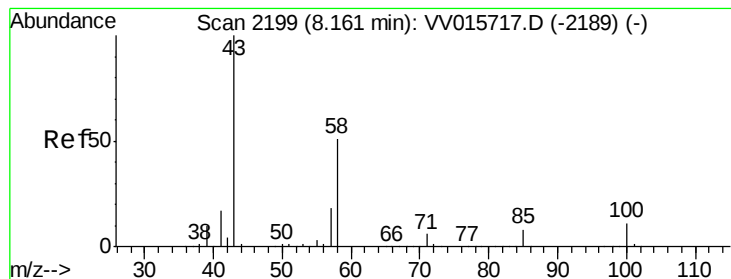
Tot Ion:	97	Resp:	33262
Ion	Ratio	Lower	Upper
97	100		
99	62.9	45.4	84.4
83	87.4	61.3	113.9
85	53.9	38.4	71.4



#47
Tetrachloroethene
Concen: 5.001 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion:	164	Resp:	36088
Ion	Ratio	Lower	Upper
164	100		
129	98.1	66.7	123.9
131	95.1	66.6	123.6
166	125.8	85.3	158.5





#48

2-Hexanone

Concen: 53.073 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 226590

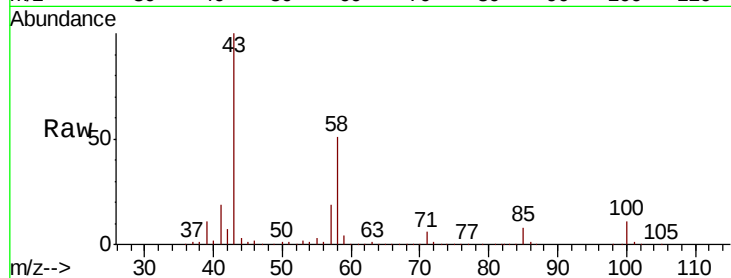
Ion Ratio Lower Upper

43 100

58 50.4 41.1 61.7

57 18.8 15.0 22.4

100 11.0 9.0 13.4

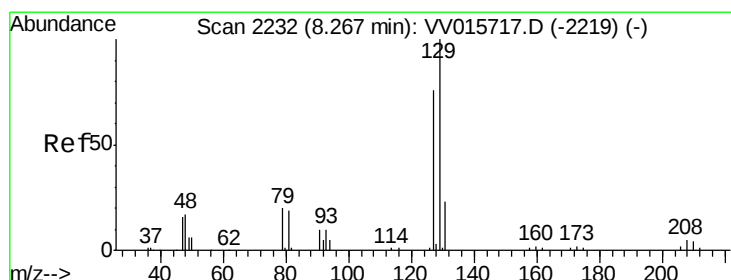
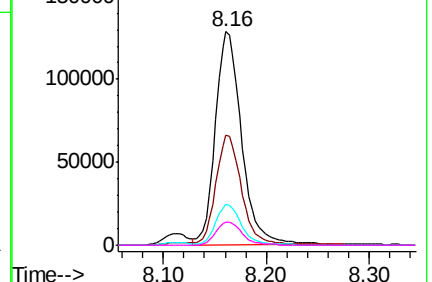
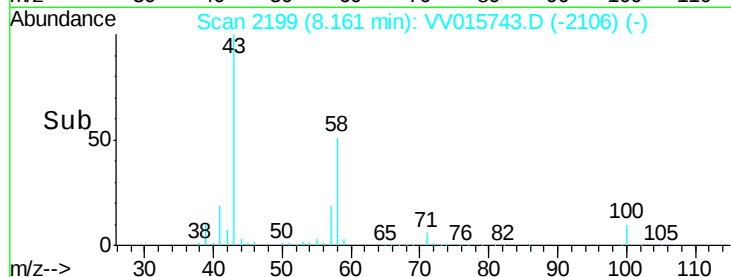


Abundance Ion 43.05 (42.75 to 43.75): VV015743.D (-2106) (-)

Ion 58.05 (57.75 to 58.75): VV015743.D (-2106) (-)

Ion 57.20 (56.90 to 57.90): VV015743.D (-2106) (-)

Ion 100.15 (99.85 to 100.85): VV015743.D (-2106) (-)



#49

Dibromochloromethane

Concen: 5.590 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV015743.D

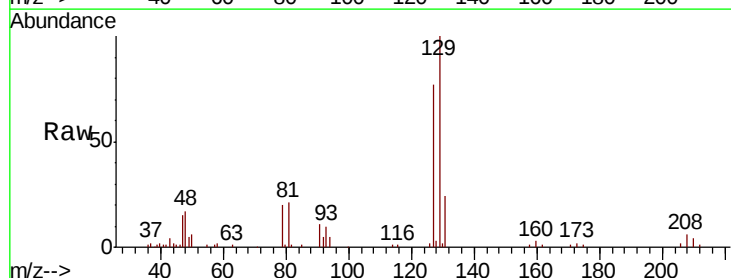
Acq: 28 Apr 2020 10:24

Tgt Ion: 129 Resp: 36373

Ion Ratio Lower Upper

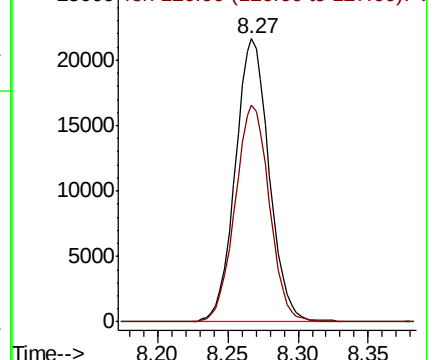
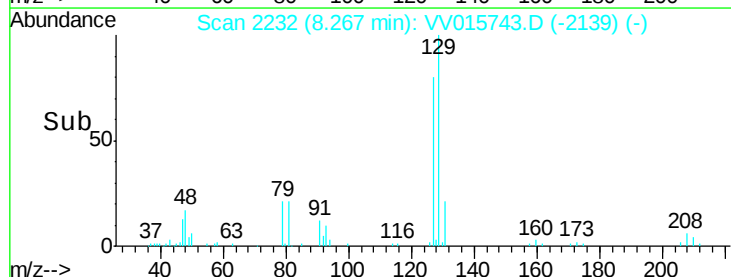
129 100

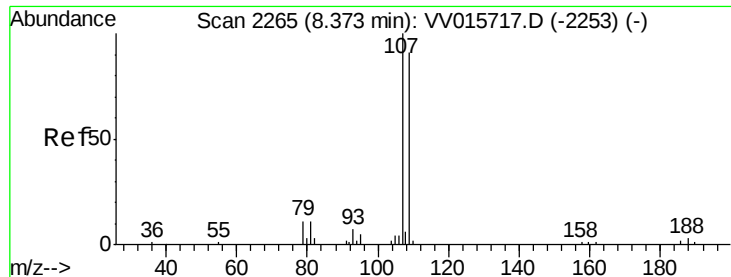
127 76.8 52.6 97.8



Abundance Ion 128.95 (128.65 to 129.65): VV015743.D (-2139) (-)

Ion 126.90 (126.60 to 127.60): VV015743.D (-2139) (-)

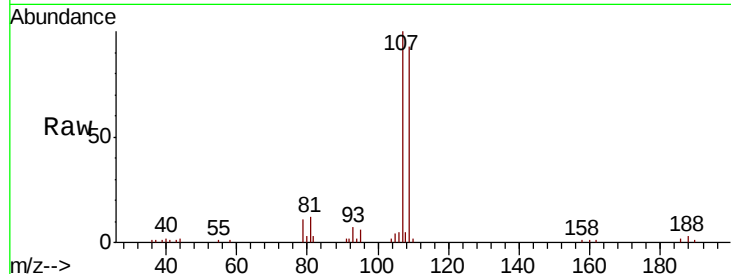




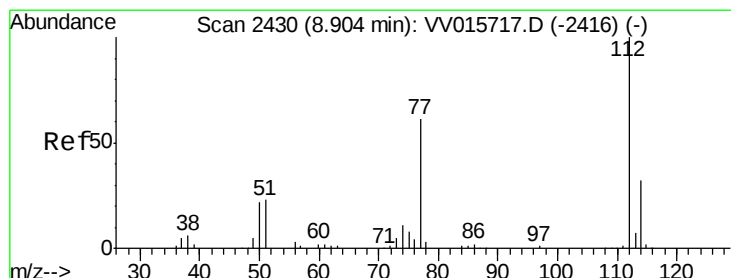
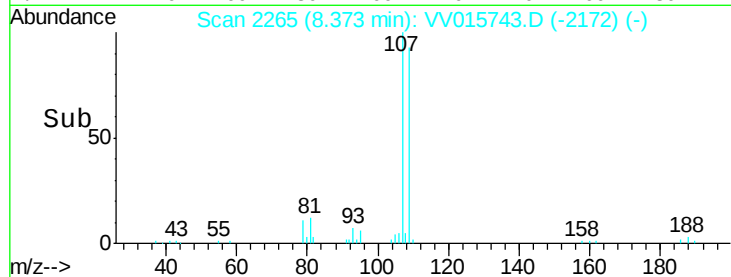
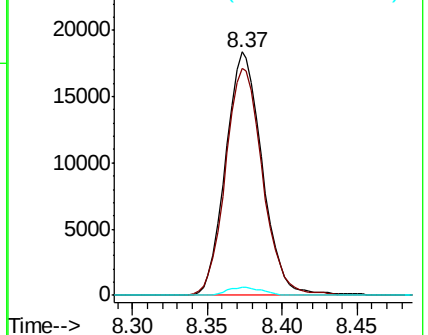
#50
1,2-Dibromoethane
Concen: 5.378 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 31269
Ion Ratio Lower Upper
107 100
109 93.3 68.1 126.5
188 3.3 3.2 4.8

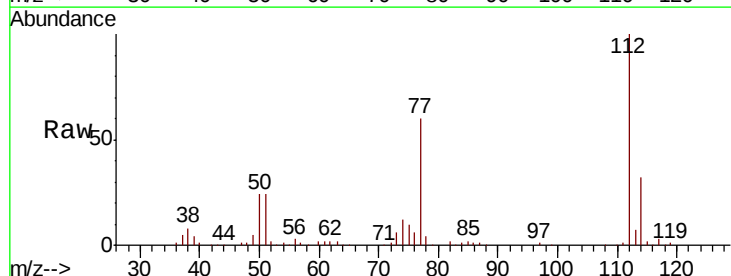


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

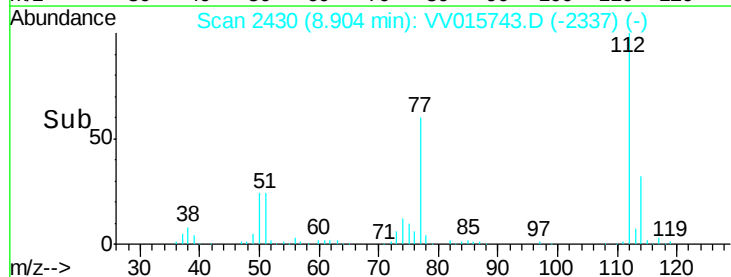
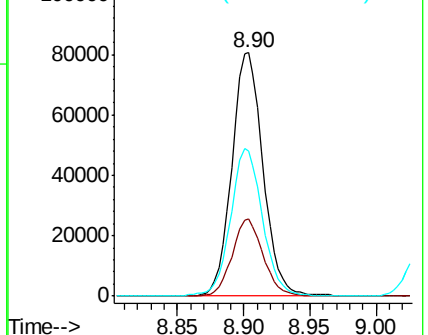


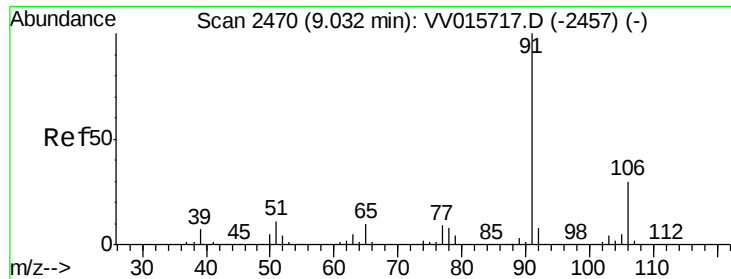
#51
Chlorobenzene
Concen: 5.177 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion:112 Resp: 131503
Ion Ratio Lower Upper
112 100
114 31.7 21.6 40.2
77 59.7 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: 5.110 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

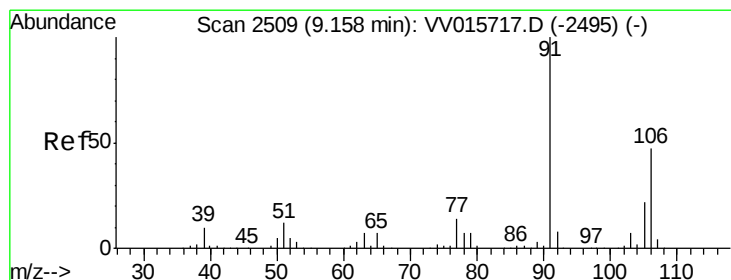
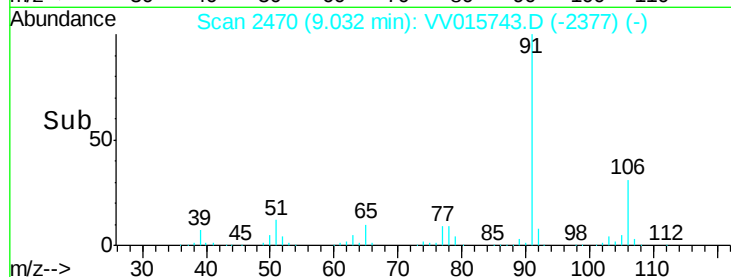
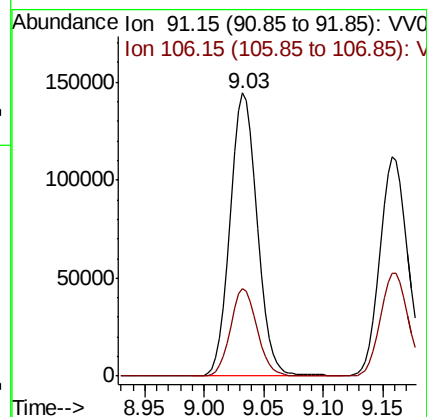
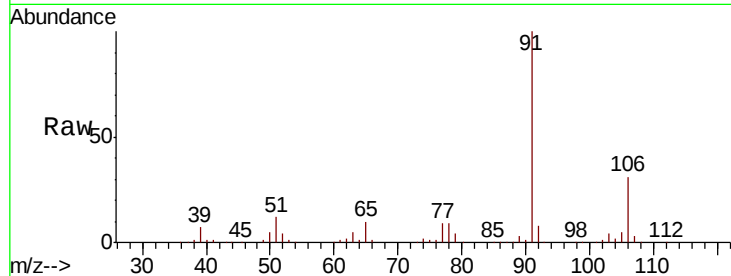
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 229301

Ion Ratio Lower Upper

91 100

106 31.0 21.3 39.5



#53

m,p-xylene

Concen: 5.288 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV015743.D

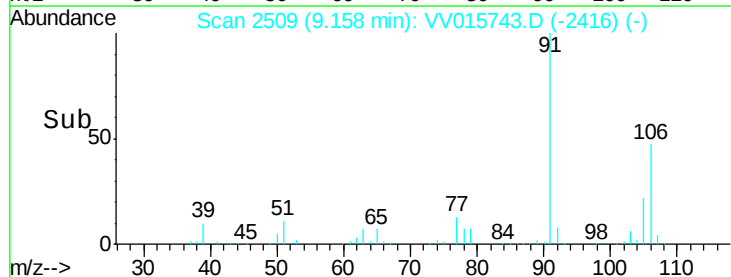
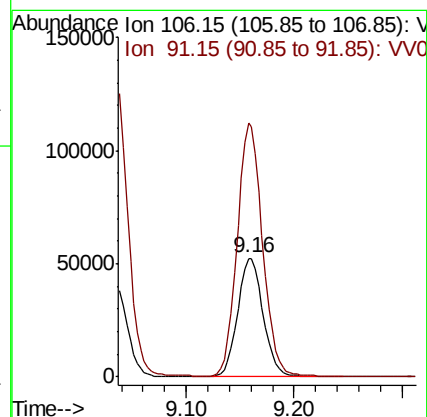
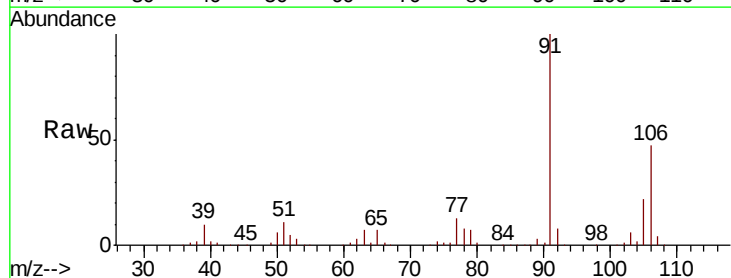
Acq: 28 Apr 2020 10:24

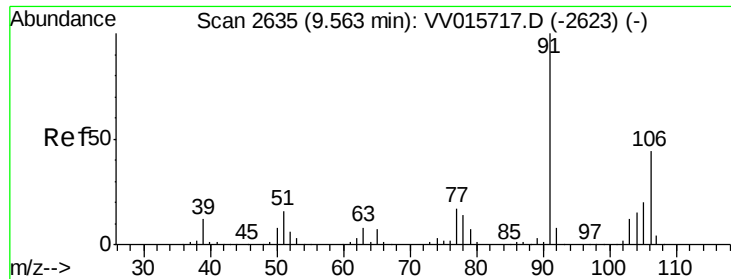
Tgt Ion: 106 Resp: 86928

Ion Ratio Lower Upper

106 100

91 213.8 147.8 274.4

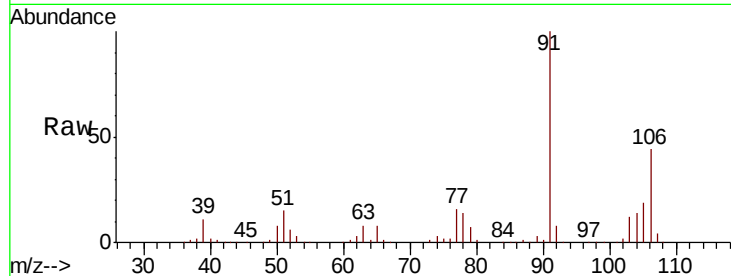




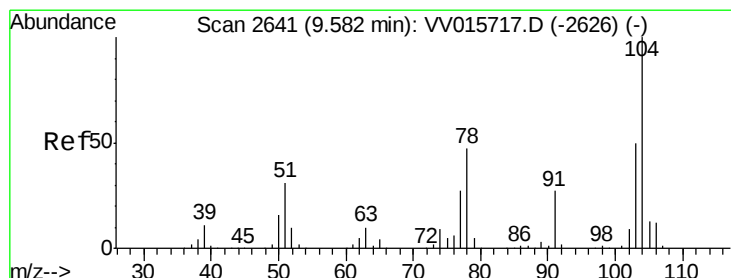
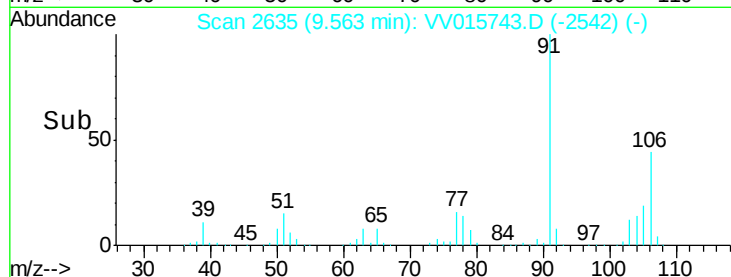
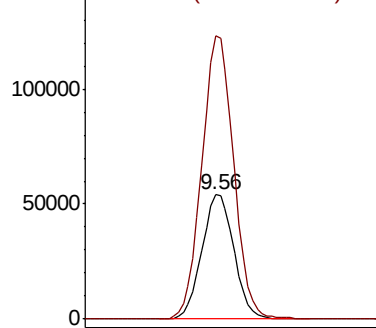
#54
o-xylene
Concen: 5.207 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 82819
Ion Ratio Lower Upper
106 100
91 228.2 159.8 296.8

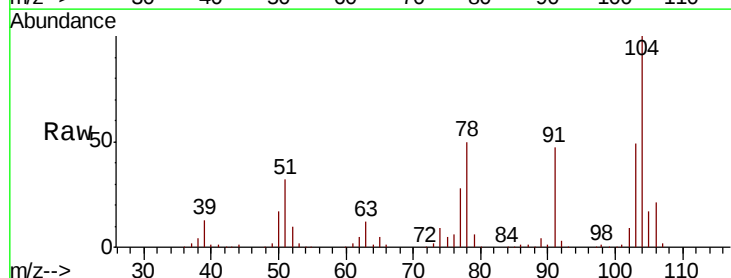


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

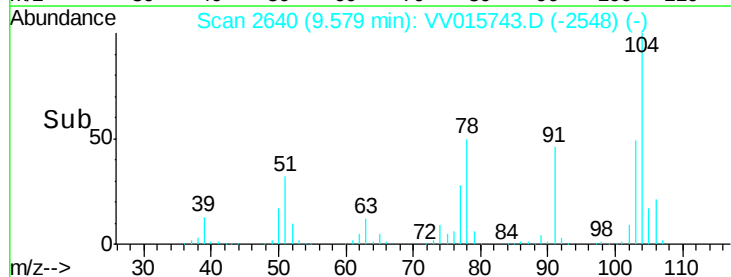
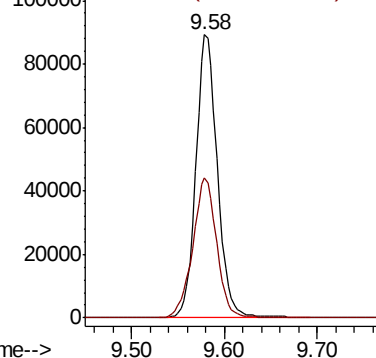


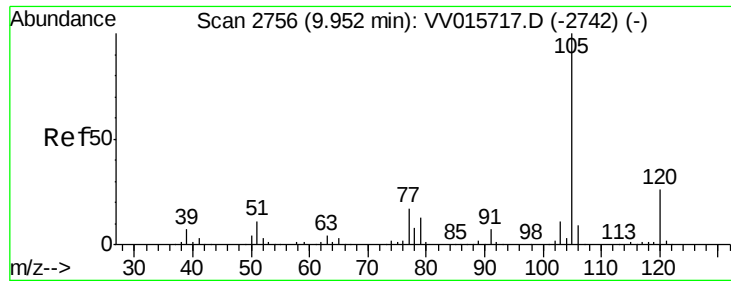
#55
Styrene
Concen: 5.321 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV015743.D
Acq: 28 Apr 2020 10:24

Tgt Ion:104 Resp: 143593
Ion Ratio Lower Upper
104 100
78 49.6 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: 5.078 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :
MSVOA_V
ClientSampleId :

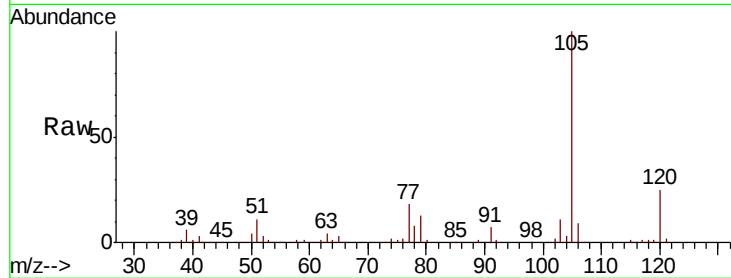
Tot Ion:105 Resp: 226601

Ion Ratio Lower Upper

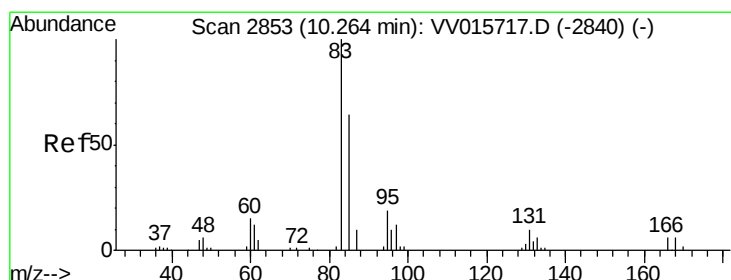
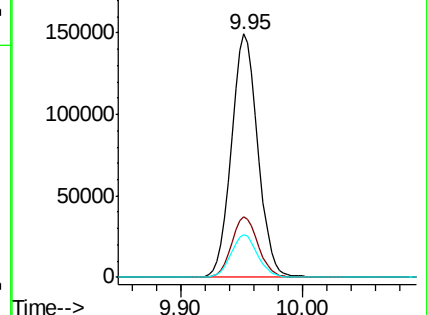
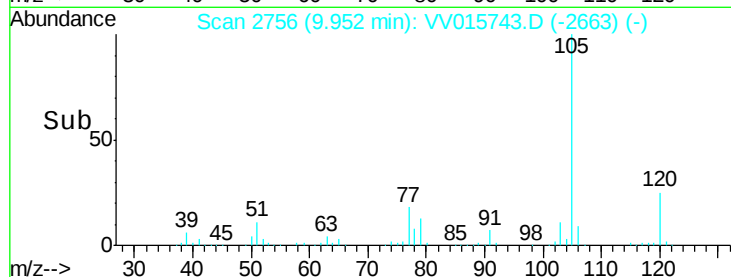
105 100

120 25.1 20.7 31.1

77 17.6 13.9 20.9



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



#58

1,1,2,2-Tetrachloroethane

Concen: 5.336 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

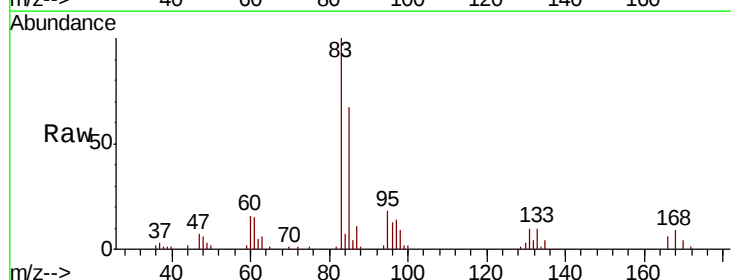
Tgt Ion: 83 Resp: 39178

Ion Ratio Lower Upper

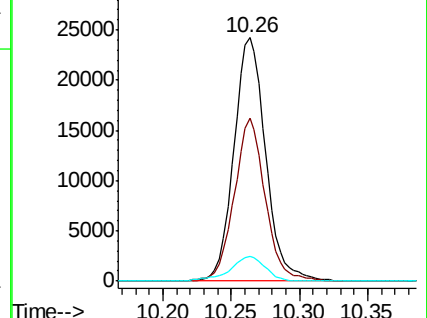
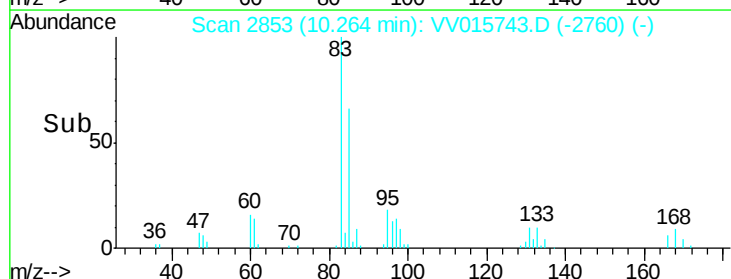
83 100

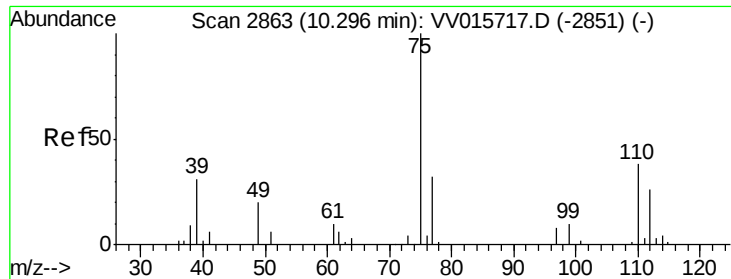
85 66.7 46.3 85.9

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

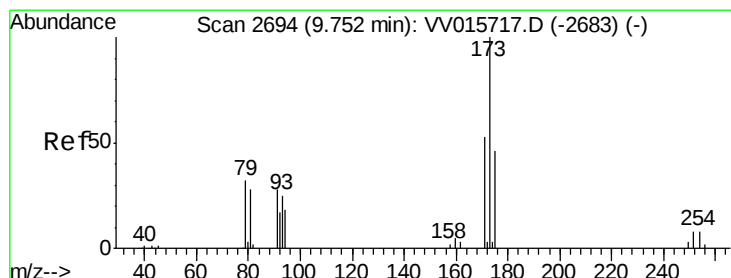
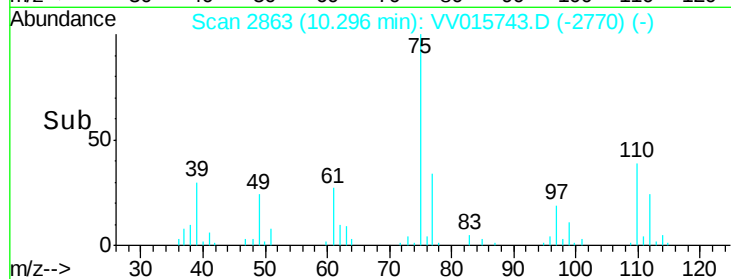
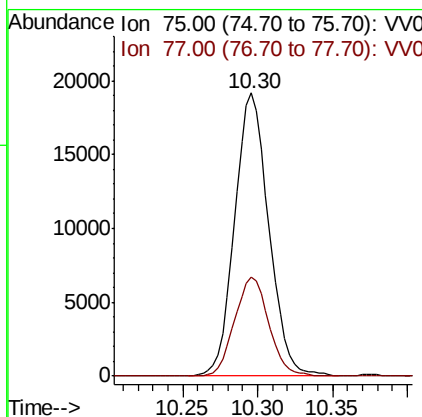
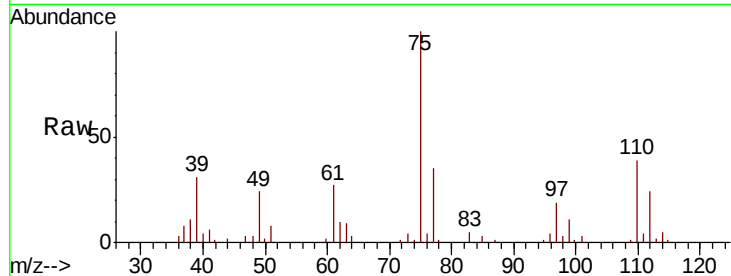




#59
 1,2,3-Trichloropropane
 Concen: 5.174 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

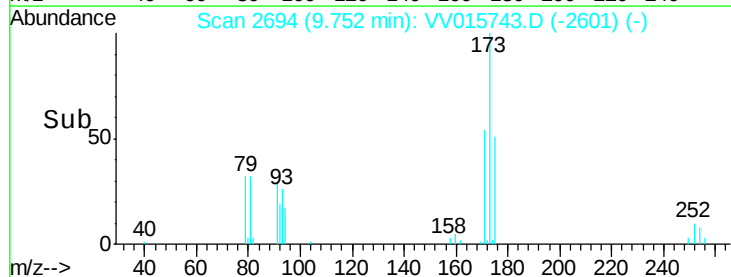
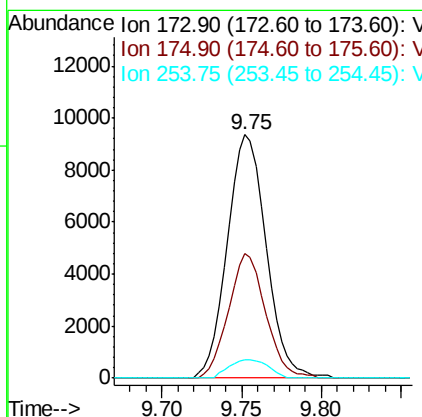
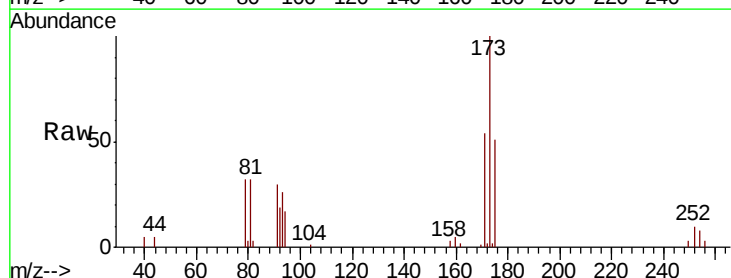
Instrument :
 MSVOA_V
 ClientSampleId :

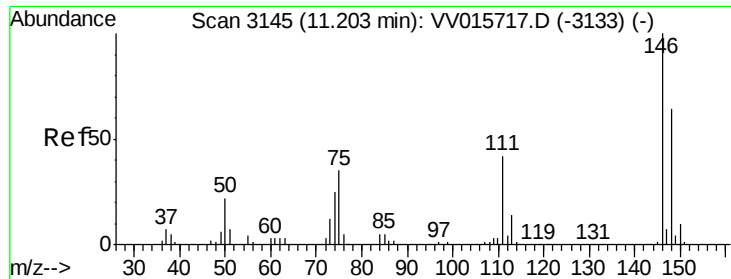
Tot Ion: 75 Resp: 30473
 Ion Ratio Lower Upper
 75 100
 77 34.9 26.0 39.0



#61
 Bromoform
 Concen: 5.750 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Tgt Ion: 173 Resp: 15534
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.8 59.8
 254 7.5 5.8 8.8





#62

1,3-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

ClientSampled :

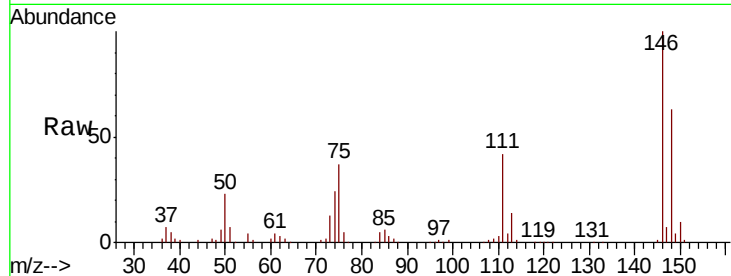
Tot Ion:146 Resp: 104043

Ion Ratio Lower Upper

146 100

111 41.9 30.0 55.6

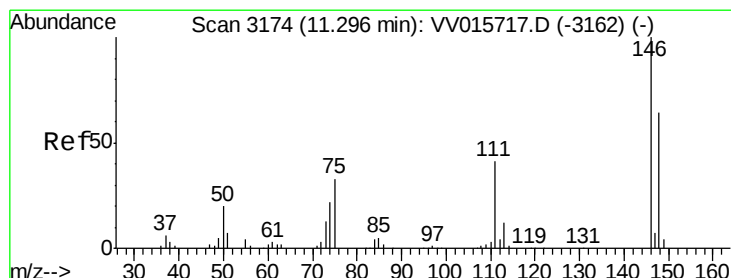
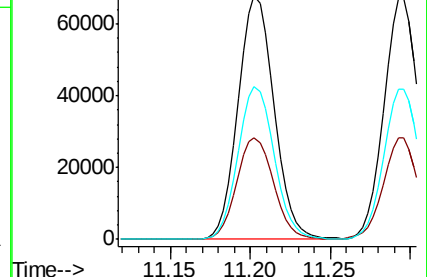
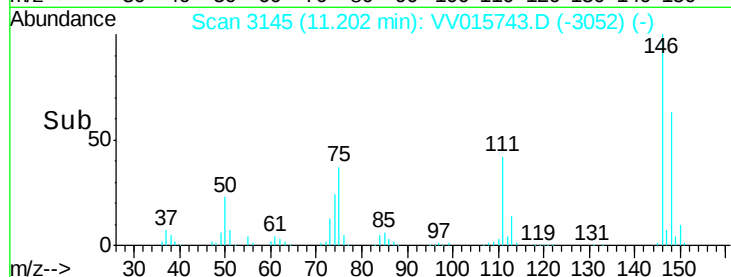
148 62.8 44.2 82.2



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: 5.034 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

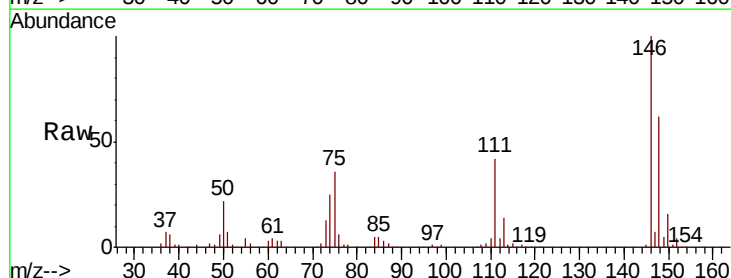
Tgt Ion:146 Resp: 105161

Ion Ratio Lower Upper

146 100

111 42.2 28.2 52.4

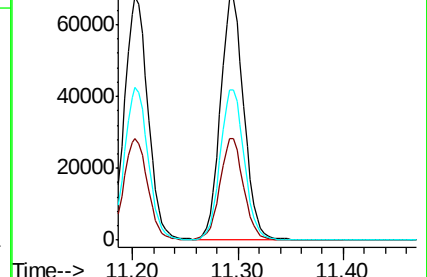
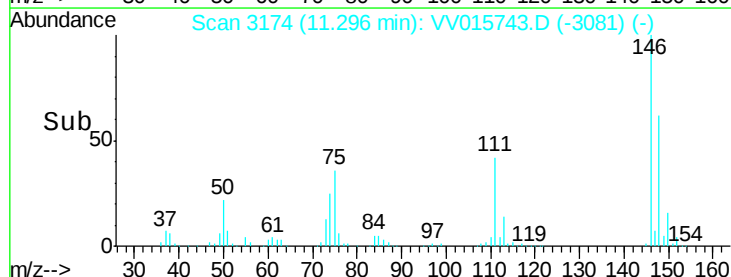
148 62.4 45.7 84.9

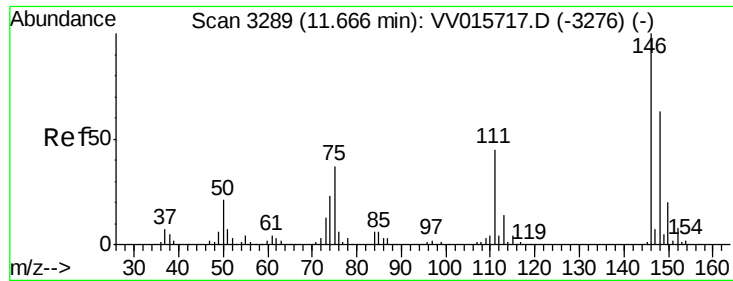


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.217 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

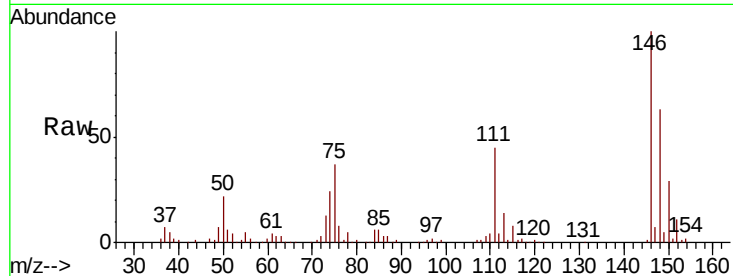
Tot Ion:146 Resp: 97727

Ion Ratio Lower Upper

146 100

111 44.7 34.7 52.1

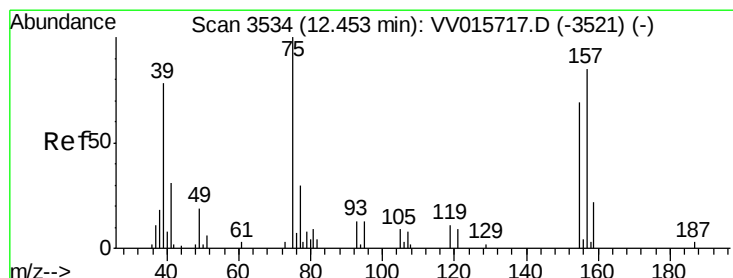
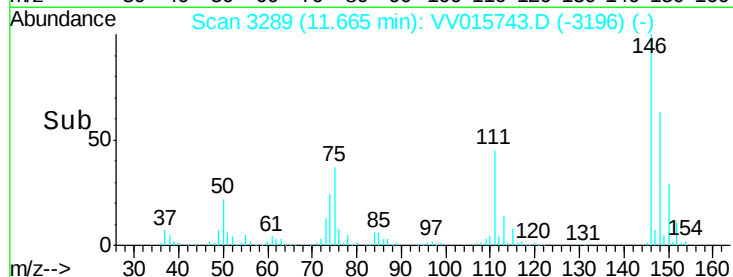
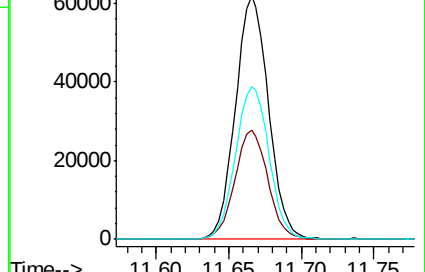
148 62.7 51.3 76.9



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: 5.241 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

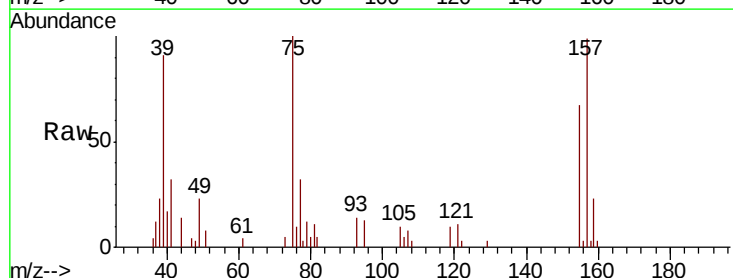
Tgt Ion: 75 Resp: 6397

Ion Ratio Lower Upper

75 100

155 66.7 51.0 76.4

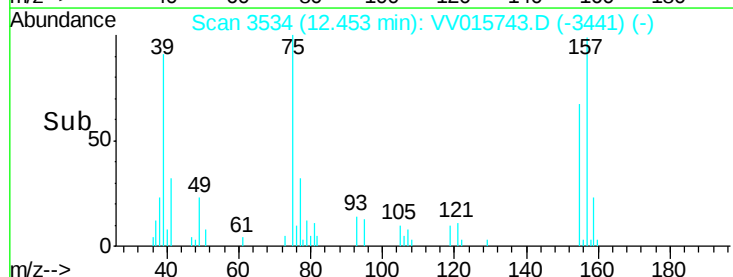
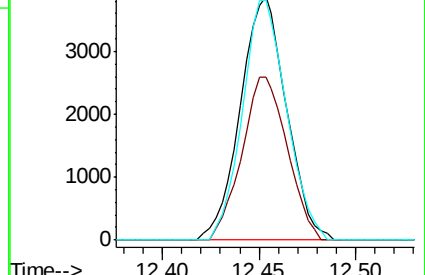
157 98.5 70.6 106.0

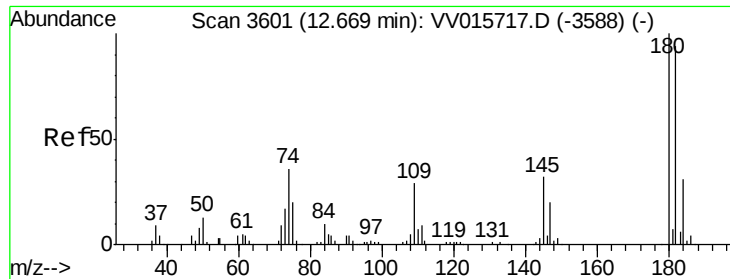


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

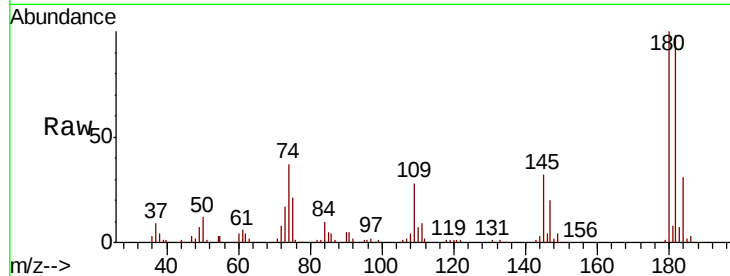




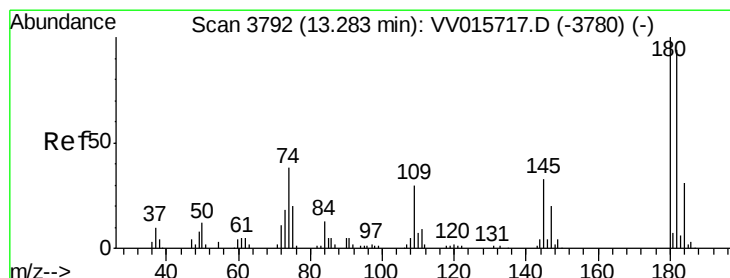
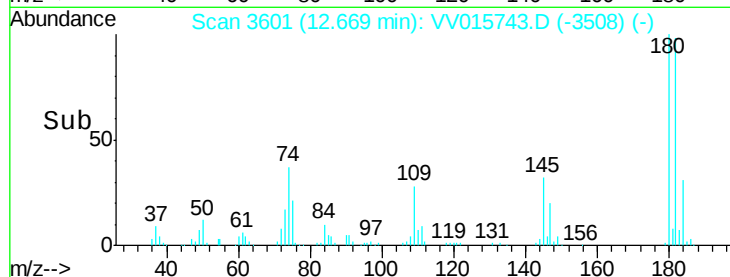
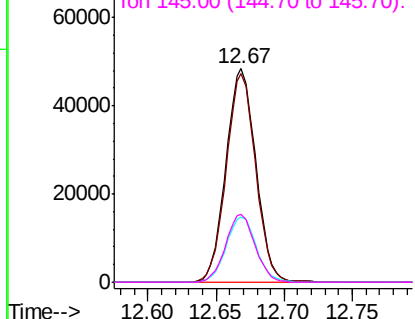
#67
 1,3,5-Trichlorobenzene
 Concen: 4.819 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 73772
 Ion Ratio Lower Upper
 180 100
 182 96.0 78.2 117.4
 184 30.8 25.0 37.4
 145 31.2 26.4 39.6

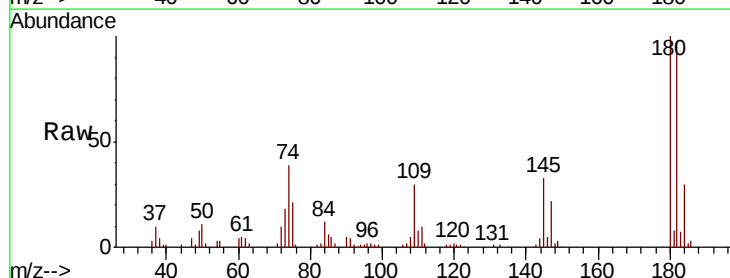


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

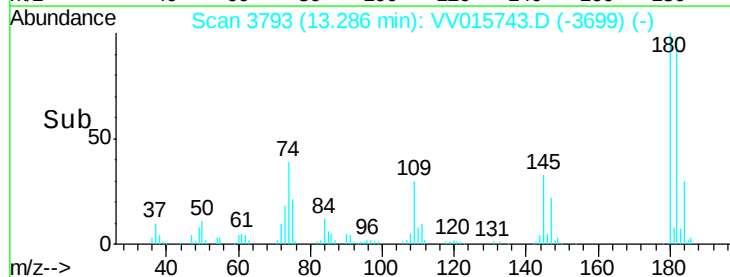
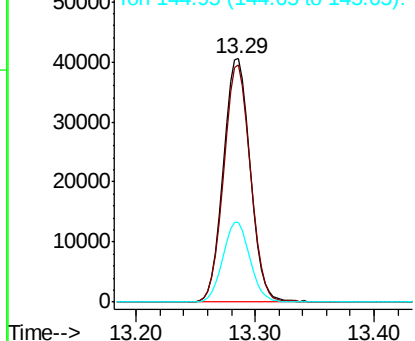


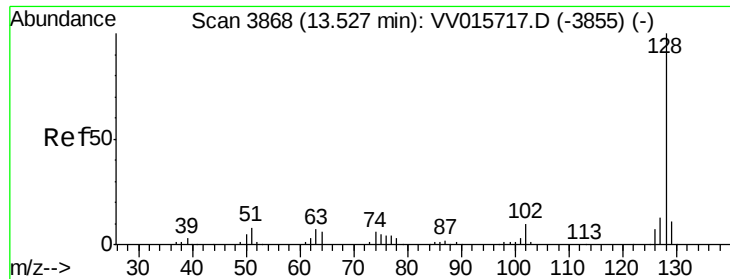
#68
 1,2,4-trichlorobenzene
 Concen: 4.515 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015743.D
 Acq: 28 Apr 2020 10:24

Tgt Ion:180 Resp: 63606
 Ion Ratio Lower Upper
 180 100
 182 96.5 74.8 112.2
 145 32.9 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: 4.374 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

Instrument :

MSVOA_V

ClientSampleId :

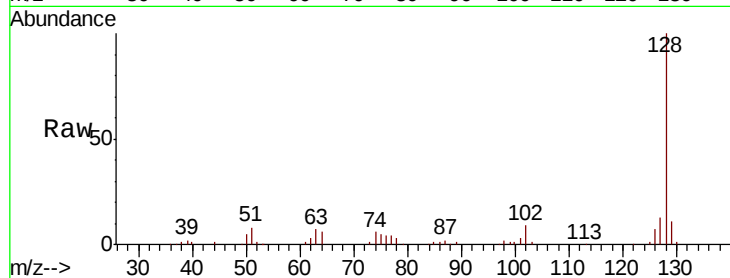
Tot Ion:128 Resp: 110294

Ion Ratio Lower Upper

128 100

129 10.7 8.4 12.6

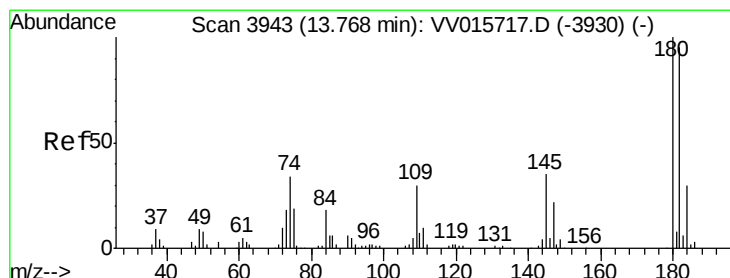
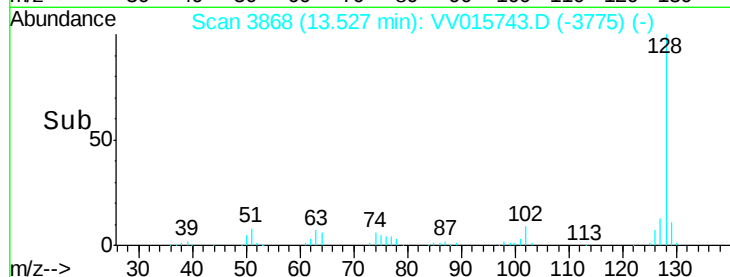
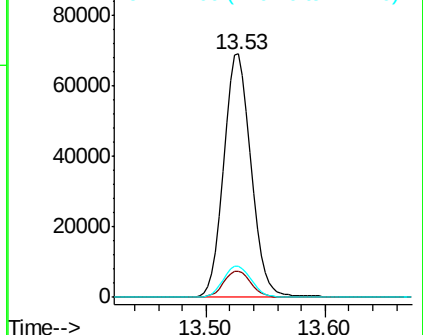
127 13.1 10.2 15.4



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: 4.762 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV015743.D

Acq: 28 Apr 2020 10:24

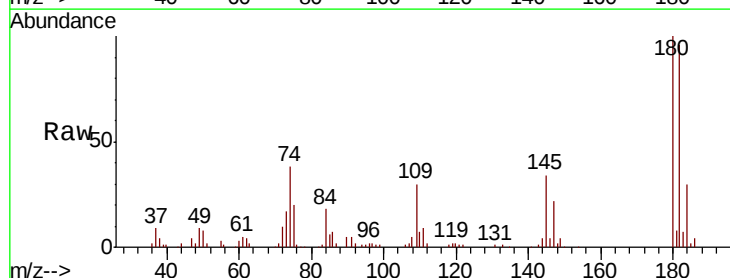
Tgt Ion:180 Resp: 59205

Ion Ratio Lower Upper

180 100

182 94.8 74.8 112.2

145 34.6 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

