

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017297.D
 Acq On : 01 Jul 2020 20:27
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Quant Time: Jul 02 03:09:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	175808	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	174848	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	90452	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47682	4.52	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.40%
7) Chloroethane-d5	1.58	69	39378	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	2.12	63	97690	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.96	46	126115	46.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.80%
24) Chloroform-d	4.37	84	122257	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.40%
26) 1,2-Dichloroethane-d4	5.06	65	65220	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.07	84	211862	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.09	67	61148	4.50	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.00%
41) Toluene-d8	7.33	98	197344	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
45) trans-1,3-Dichloropropene-	7.64	79	23528	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
48) 2-Hexanone-d5	8.11	63	99230	46.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.10%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	47007	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	78566	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	70049	4.991	ug/L 98
3) Chloromethane	1.25	50	55760	4.689	ug/L 99
5) Vinyl chloride	1.32	62	58454	5.067	ug/L 98
6) Bromomethane	1.53	94	30564	4.546	ug/L 99
8) Chloroethane	1.60	64	32894	5.159	ug/L 98
9) Trichlorofluoromethane	1.76	101	104136	5.574	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47198	5.069	ug/L 97
12) 1,1-Dichloroethene	2.13	96	44513	5.276	ug/L 87
13) Acetone	2.24	43	27282	20.069	ug/L 78
14) Carbon disulfide	2.31	76	127688	5.051	ug/L 98
15) Methyl Acetate	2.46	43	14551	4.378	ug/L 100
16) Methylene chloride	2.52	84	53329	5.902	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	114955	5.426	ug/L 98
18) trans-1,2-Dichloroethene	2.77	96	49190	5.502	ug/L 91
19) 1,1-Dichloroethane	3.21	63	104687	5.211	ug/L 98
21) 2-Butanone	4.04	43	112926	44.068	ug/L 93
22) cis-1,2-Dichloroethene	3.93	96	63074	5.159	ug/L 98

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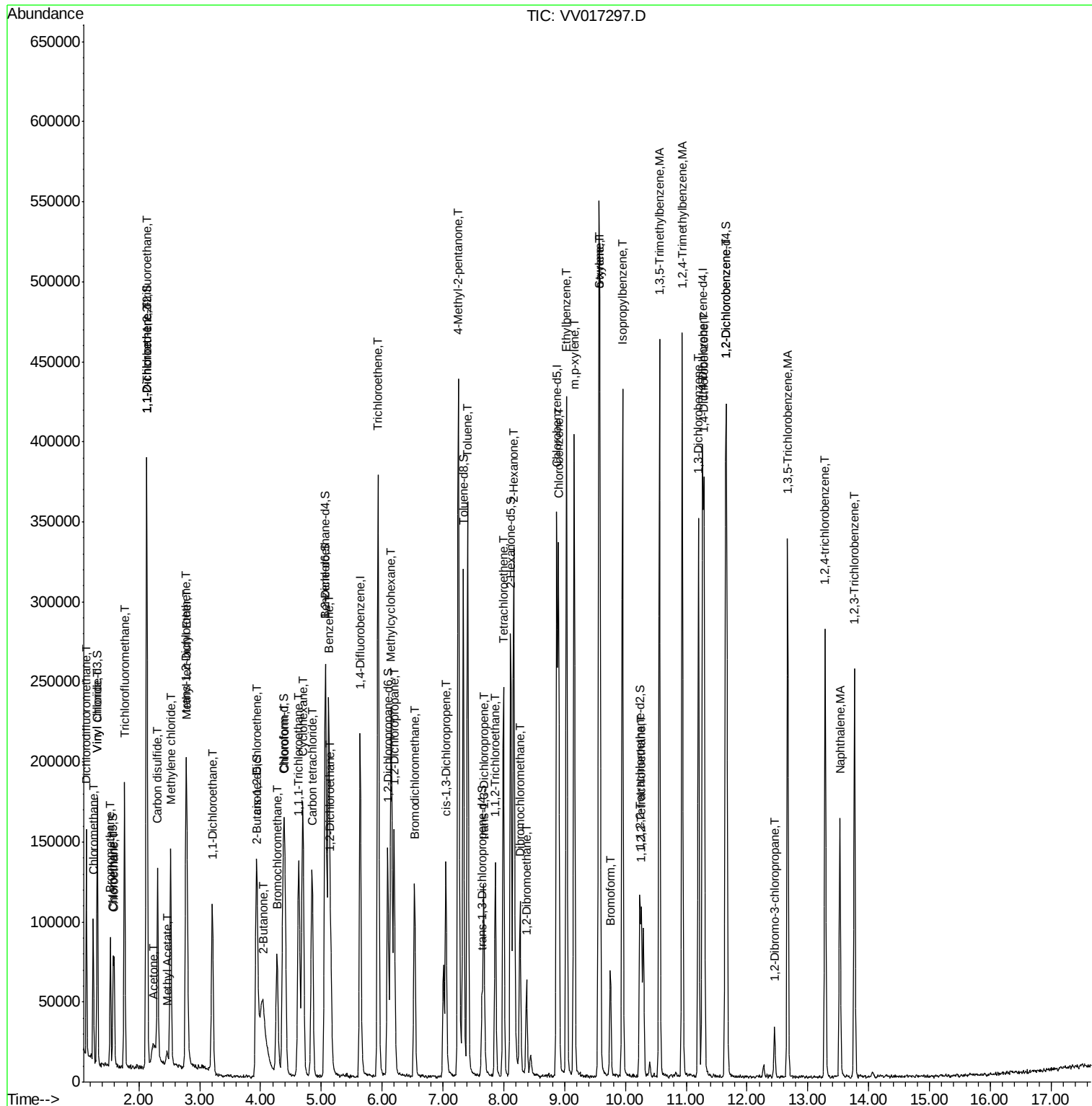
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	26750	5.148	ug/L	94
25) Chloroform	4.40	83	115866	5.280	ug/L	98
27) 1,2-Dichloroethane	5.15	62	71968	5.279	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	107155	5.115	ug/L	98
30) Cyclohexane	4.69	56	86686	4.349	ug/L	94
31) Carbon tetrachloride	4.85	117	97410	5.153	ug/L	100
33) Benzene	5.12	78	226498	4.946	ug/L	100
34) Trichloroethene	5.93	95	124464	9.283	ug/L	94
35) Methylcyclohexane	6.15	83	91916	4.410	ug/L	99
37) 1,2-Dichloropropane	6.20	63	52869	4.664	ug/L	99
38) Bromodichloromethane	6.53	83	78889	5.124	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	73443	4.361	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	303537	46.380	ug/L	99
42) Toluene	7.41	91	249080	4.679	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	233457	4.904	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	239694	4.945	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	64479	4.426	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	39284	4.886	ug/L	98
49) Tetrachloroethene	7.99	164	53202	4.930	ug/L	98
50) 2-Hexanone	8.16	43	216258	46.432	ug/L	99
51) Dibromochloromethane	8.27	129	53144	5.453	ug/L	99
52) 1,2-Dibromoethane	8.37	107	38333	5.028	ug/L	97
53) Chlorobenzene	8.90	112	164364	4.953	ug/L	99
54) Ethylbenzene	9.03	91	280558	4.937	ug/L	98
55) m,p-xylene	9.16	106	105464	4.732	ug/L	99
56) o-xylene	9.56	106	104004	5.001	ug/L	98
57) Styrene	9.58	104	177199	5.142	ug/L	100
58) Isopropylbenzene	9.95	105	261289	4.565	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	44637	5.368	ug/L	97
62) Bromoform	9.75	173	28637	5.918	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	136373	5.008	ug/L	100
64) 1,4-Dichlorobenzene	11.29	146	134097	4.845	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	124376	5.033	ug/L	97
67) 1,2-Dibromo-3-chloropropan	12.45	75	7981	5.838	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	100375	4.588	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	82464	4.579	ug/L	98
70) Naphthalene	13.53	128	122017	4.798	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	74354	5.062	ug/L	97

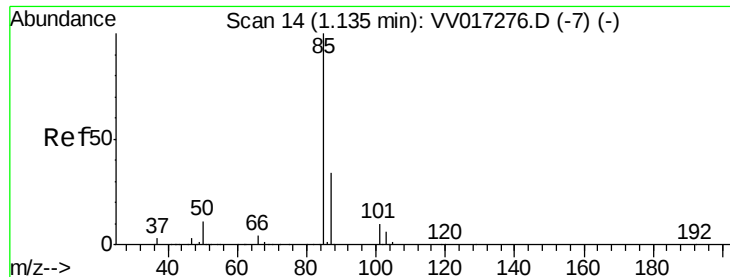
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.991 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

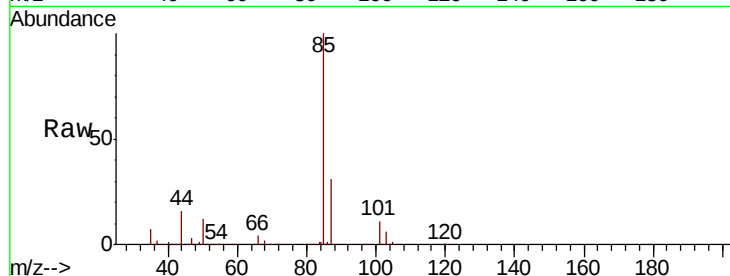
VSTD00543

Tot Ion: 85 Resp: 70049

Ion Ratio Lower Upper

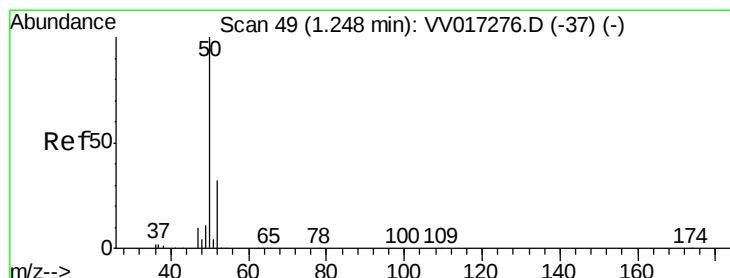
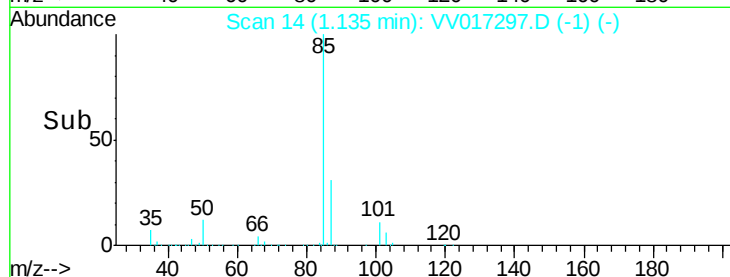
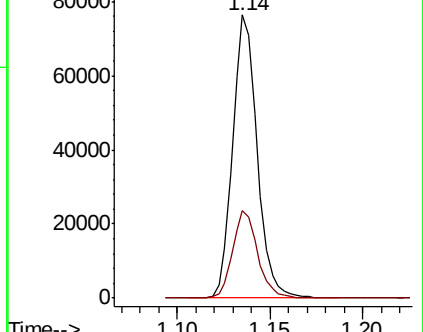
85 100

87 31.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017297.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017297.D (-1) (-)



#3

Chloromethane

Concen: 4.689 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017297.D

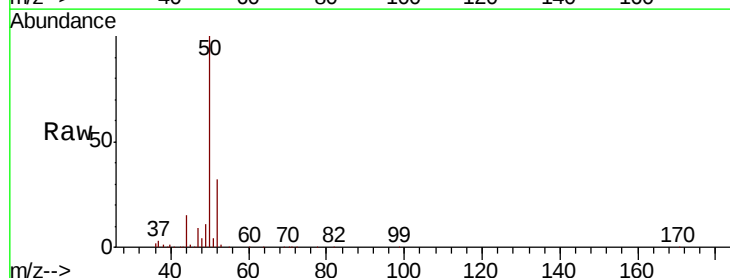
Acq: 01 Jul 2020 20:27

Tgt Ion: 50 Resp: 55760

Ion Ratio Lower Upper

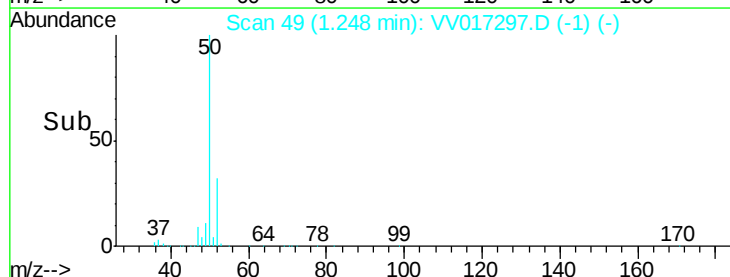
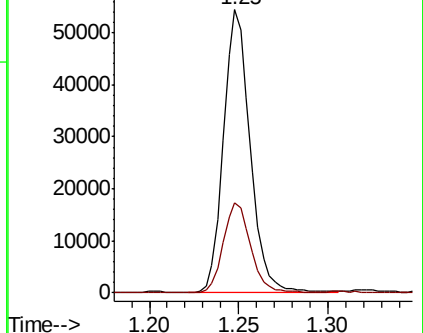
50 100

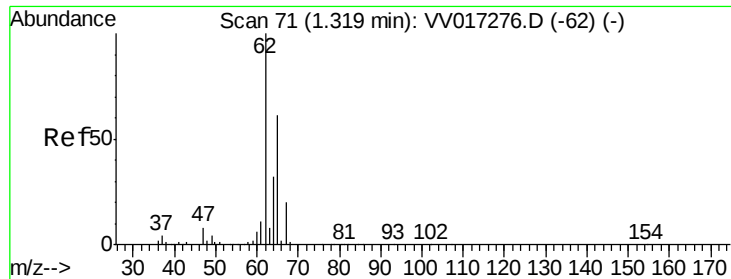
52 31.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017297.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017297.D (-1) (-)





#5

Vinyl chloride

Concen: 5.067 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

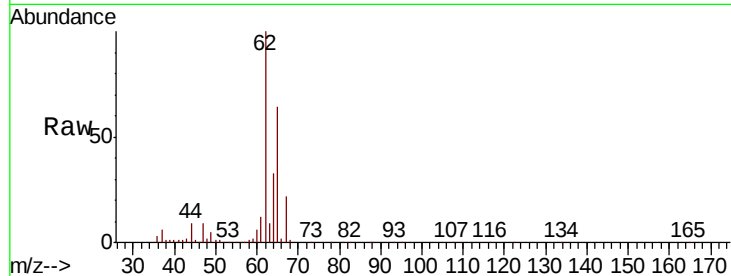
VSTD00543

Tot Ion: 62 Resp: 58454

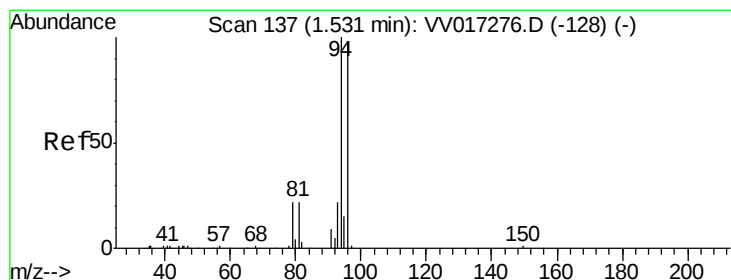
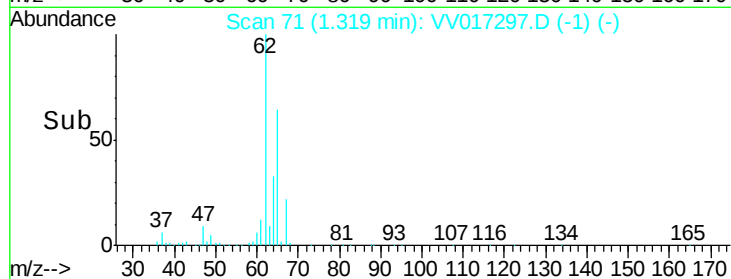
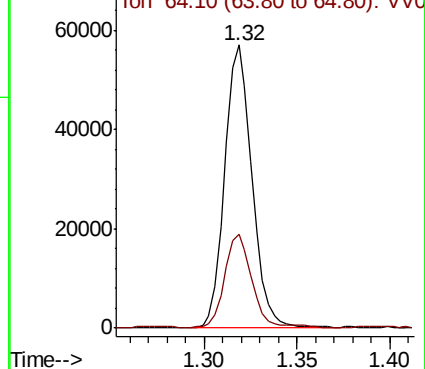
Ion Ratio Lower Upper

62 100

64 33.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV017297.D (-62) (-)



#6

Bromomethane

Concen: 4.546 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017297.D

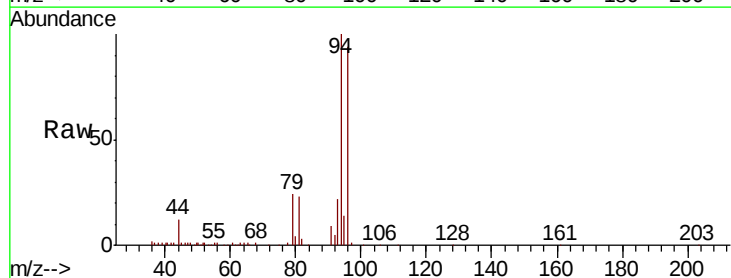
Acq: 01 Jul 2020 20:27

Tgt Ion: 94 Resp: 30564

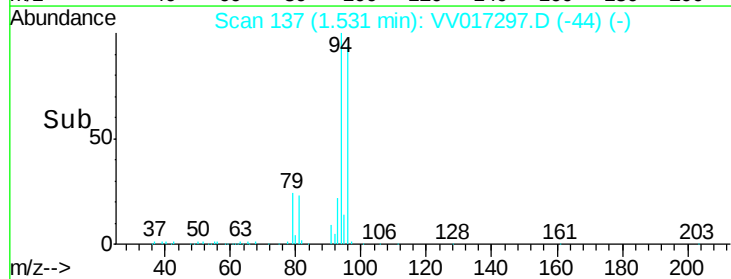
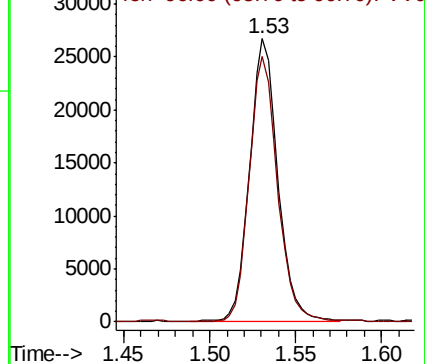
Ion Ratio Lower Upper

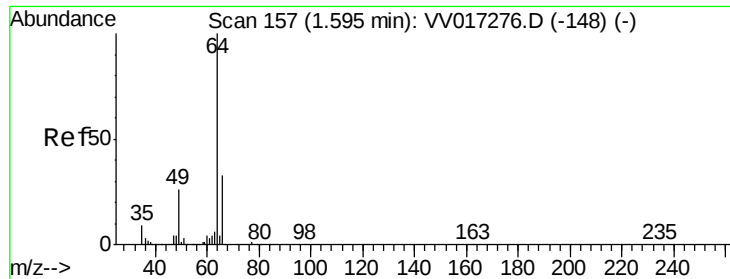
94 100

96 93.8 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV017297.D (-128) (-)

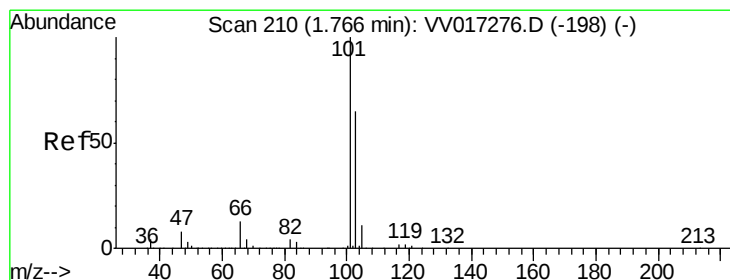
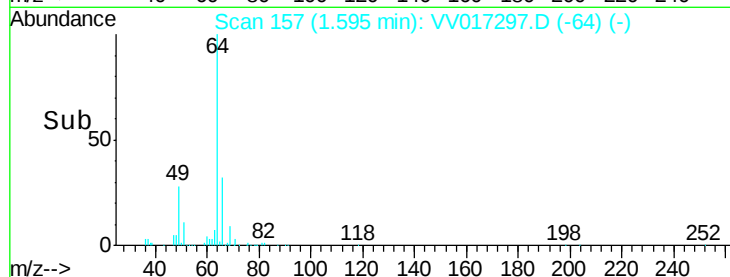
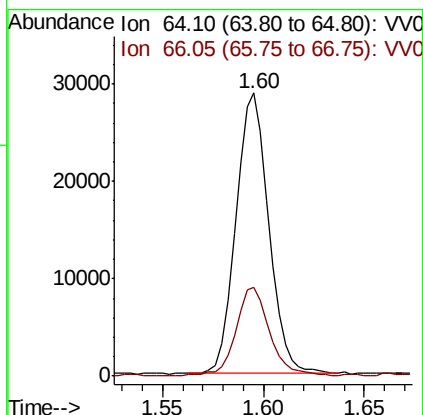
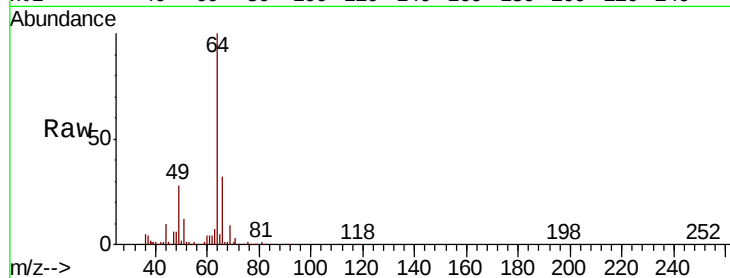




#8
Chloroethane
Concen: 5.159 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

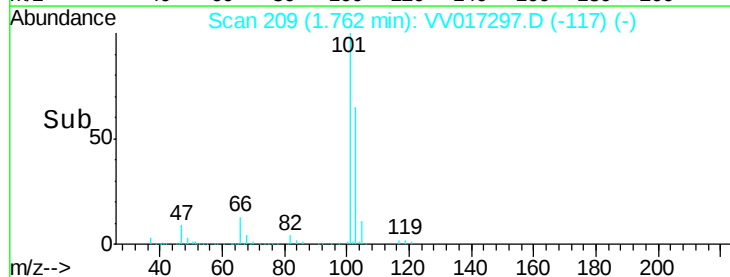
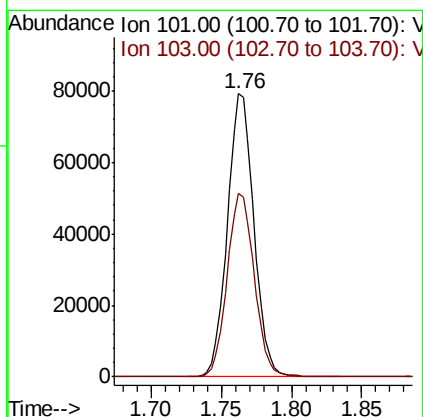
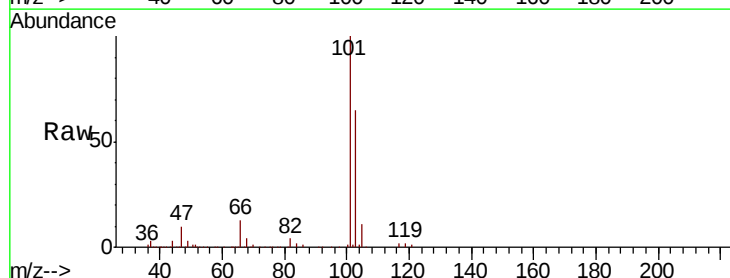
Instrument :
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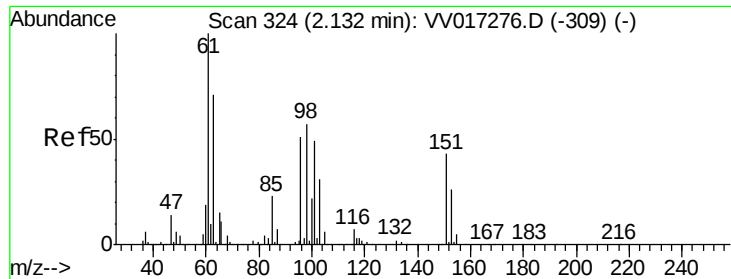
Tot Ion: 64 Resp: 32894
Ion Ratio Lower Upper
64 100
66 31.6 22.8 42.4



#9
Trichlorofluoromethane
Concen: 5.574 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion: 101 Resp: 104136
Ion Ratio Lower Upper
101 100
103 66.6 50.9 76.3





#10

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

Concen: 5.069 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampled :

VSTD00543

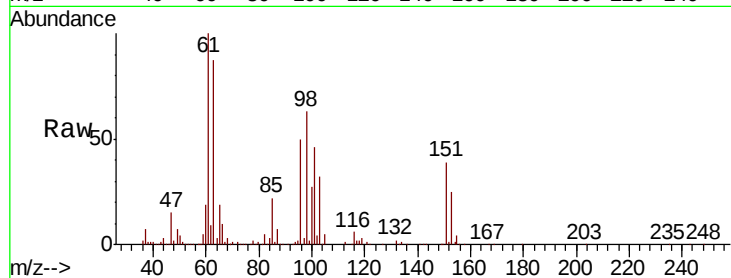
Tot Ion:101 Resp: 47198

Ion Ratio Lower Upper

101 100

85 45.9 35.4 53.2

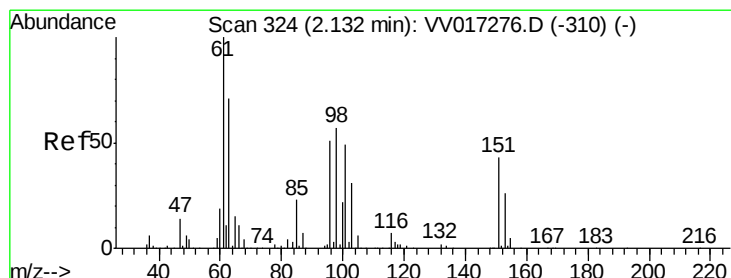
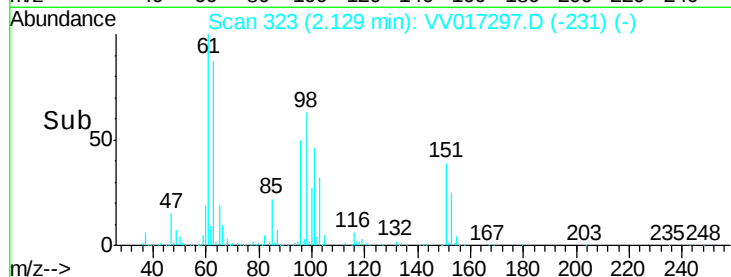
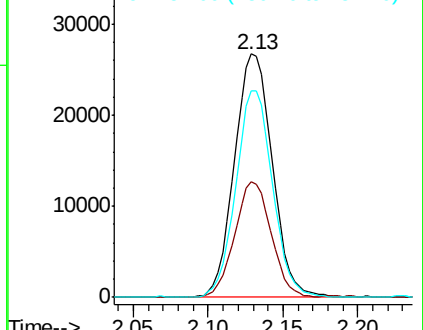
151 82.3 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV017276.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV017276.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV017276.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 5.276 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

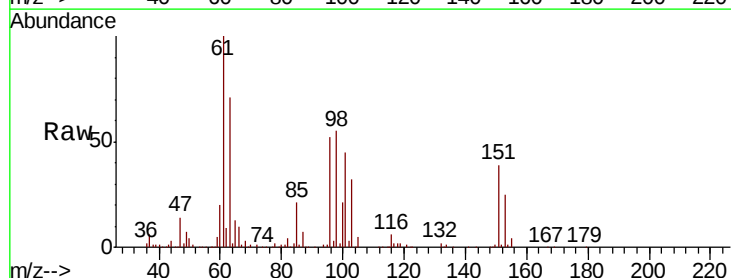
Tgt Ion: 96 Resp: 44513

Ion Ratio Lower Upper

96 100

61 191.5 125.0 232.2

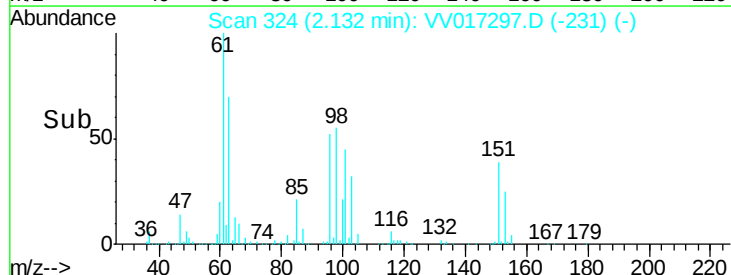
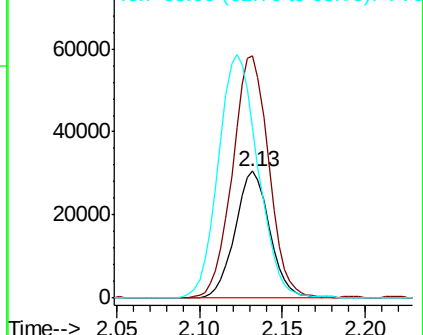
63 135.2 109.8 203.8

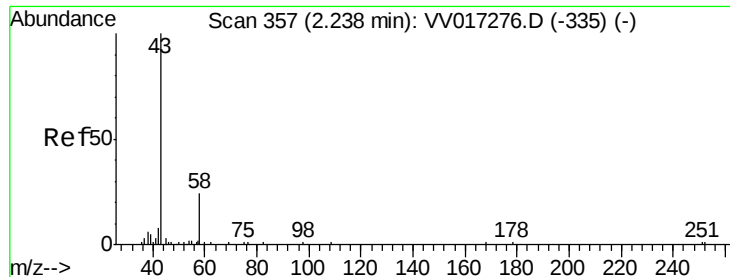


Abundance Ion 96.00 (95.70 to 96.70): VV017276.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV017276.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV017276.D (-310) (-)





#13

Acetone

Concen: 20.069 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.01 min

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ClientSampleId :

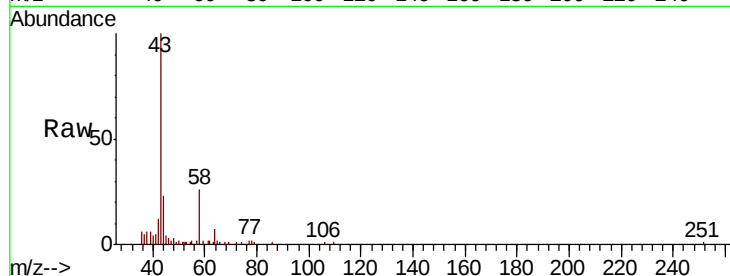
VSTD00543

Tot Ion: 43 Resp: 27282

Ion Ratio Lower Upper

43 100

58 41.1 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV017276.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV017276.D (-335) (-)

2.24

10000

8000

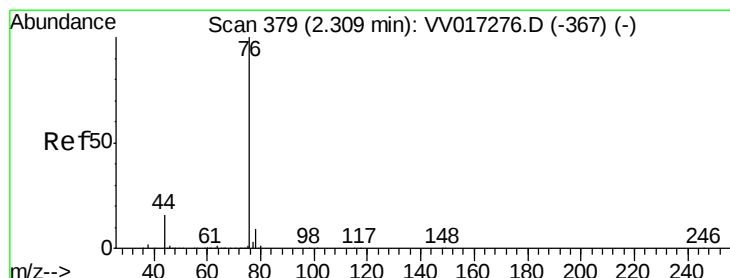
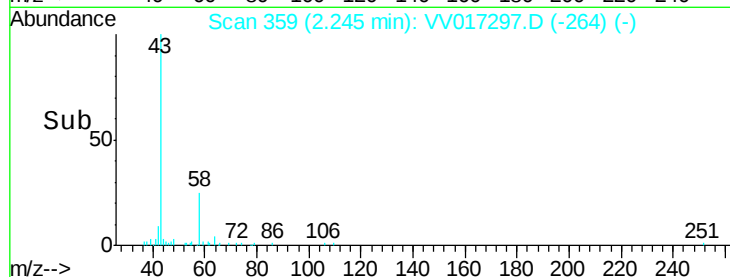
6000

4000

2000

0

Time-->



#14

Carbon disulfide

Concen: 5.051 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017297.D

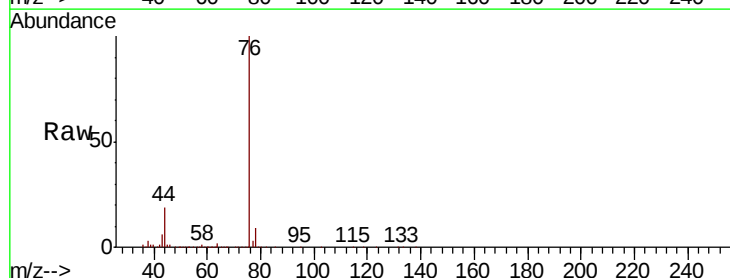
Acq: 01 Jul 2020 20:27

Tgt Ion: 76 Resp: 127688

Ion Ratio Lower Upper

76 100

78 9.0 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV017276.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV017276.D (-367) (-)

2.31

100000

80000

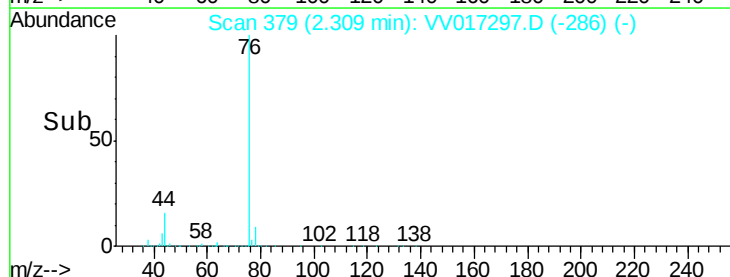
60000

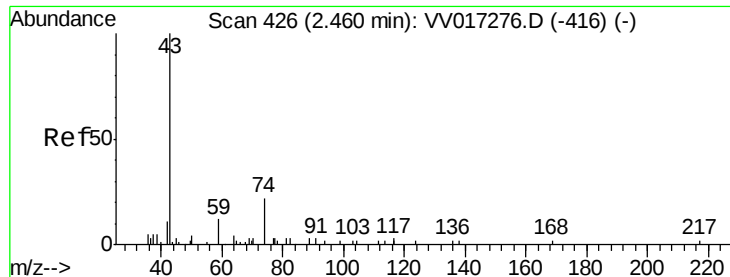
40000

20000

0

Time-->





#15

Methvl Acetate

Concen: 4.378 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

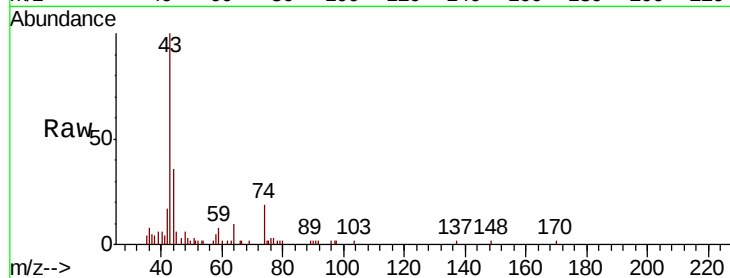
VSTD00543

Tot Ion: 43 Resp: 14551

Ion Ratio Lower Upper

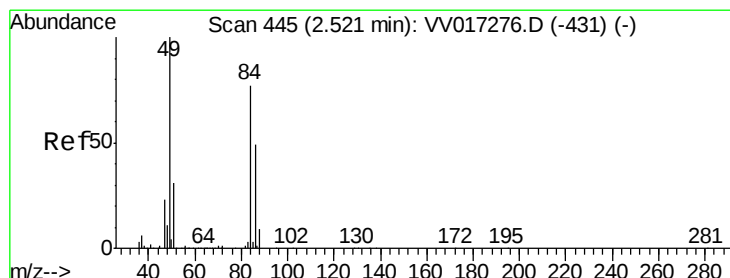
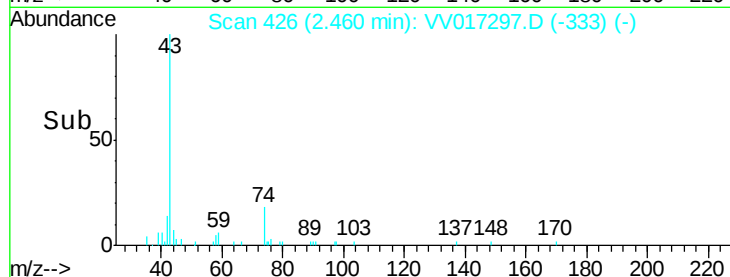
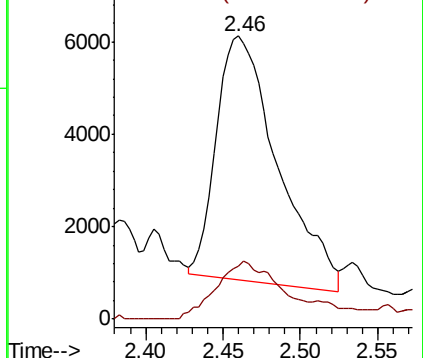
43 100

74 24.0 19.1 28.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.902 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

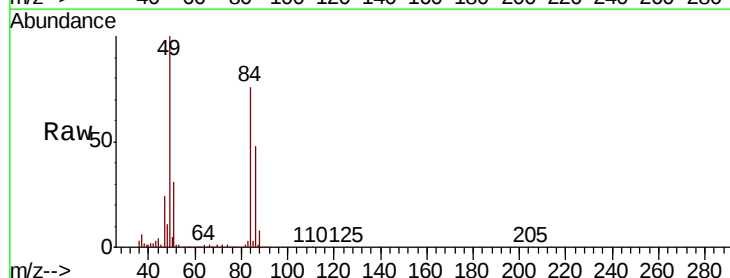
Tgt Ion: 84 Resp: 53329

Ion Ratio Lower Upper

84 100

86 63.0 45.8 85.0

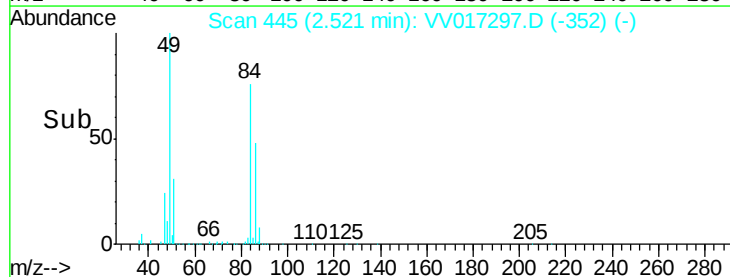
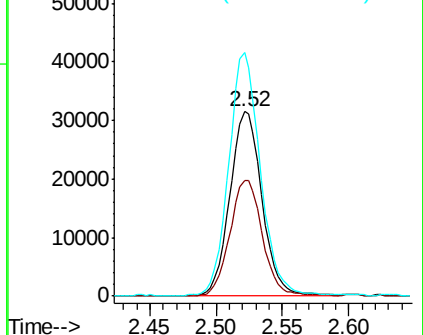
49 132.1 89.6 166.4

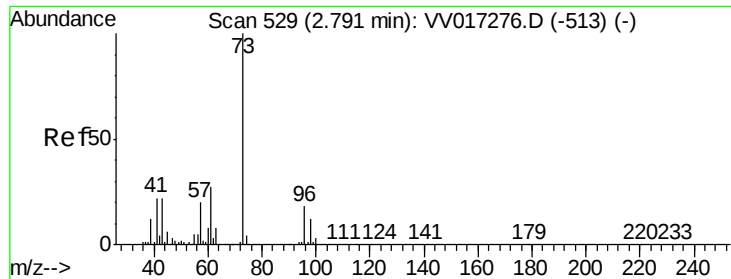


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

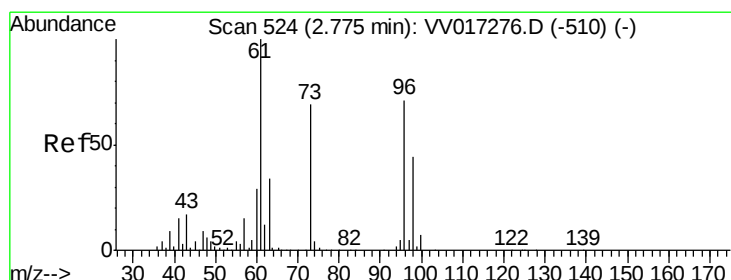
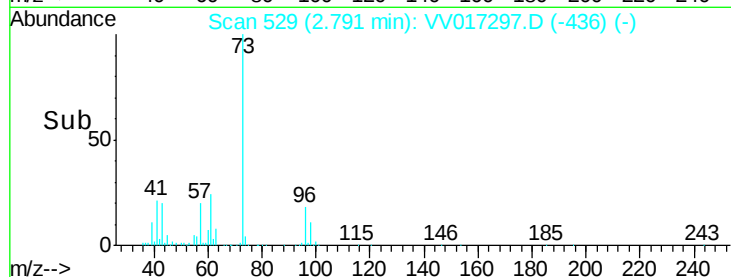
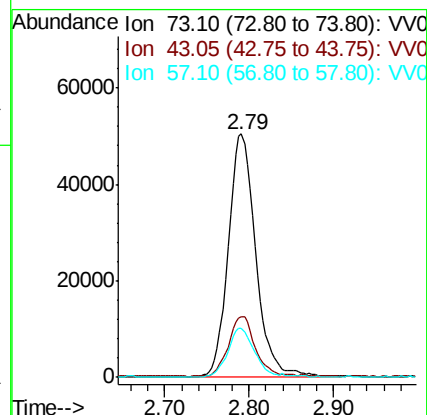
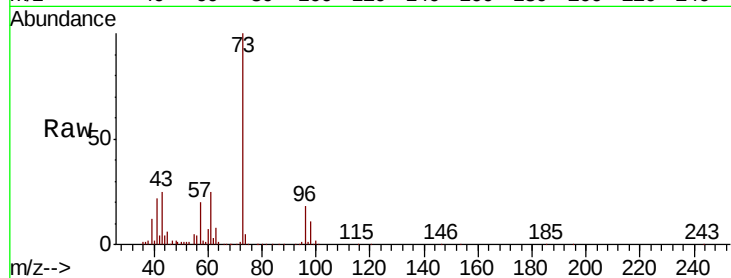




#17
Methvl tert-butvl Ether
Concen: 5.426 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

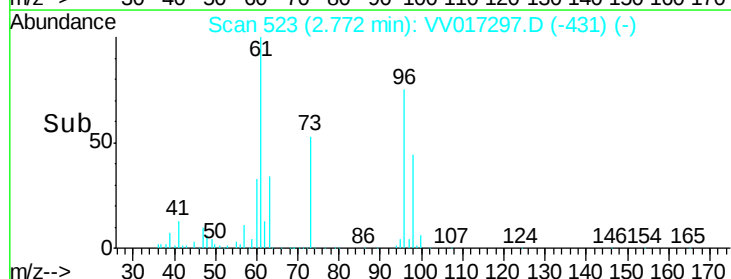
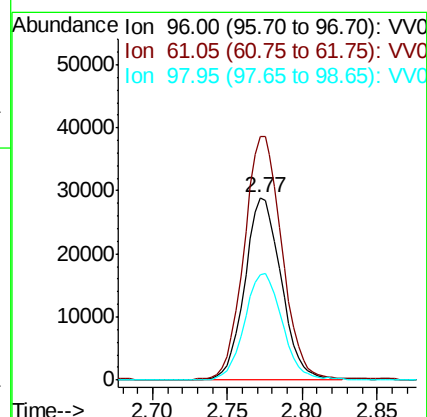
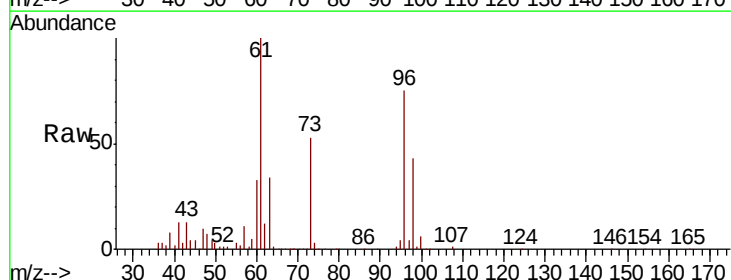
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

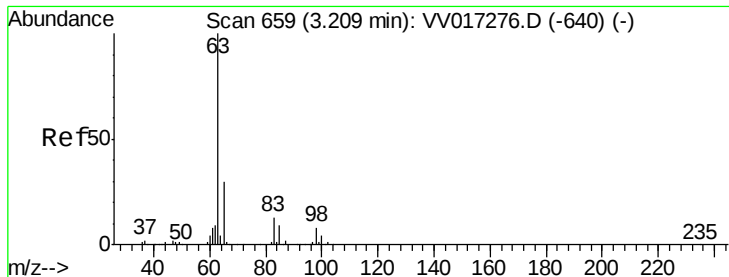
Tot Ion: 73 Resp: 114955
Ion Ratio Lower Upper
73 100
43 23.7 18.6 28.0
57 19.1 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.502 ug/L
RT: 2.77 min Scan# 523
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion: 96 Resp: 49190
Ion Ratio Lower Upper
96 100
61 133.4 102.3 189.9
98 57.9 44.7 82.9





#19

1,1-Dichloroethane

Concen: 5.211 ug/L

RT: 3.21 min Scan# 658

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

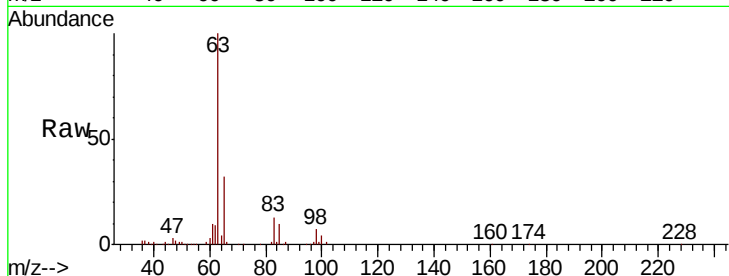
Tot Ion: 63 Resp: 104687

Ion Ratio Lower Upper

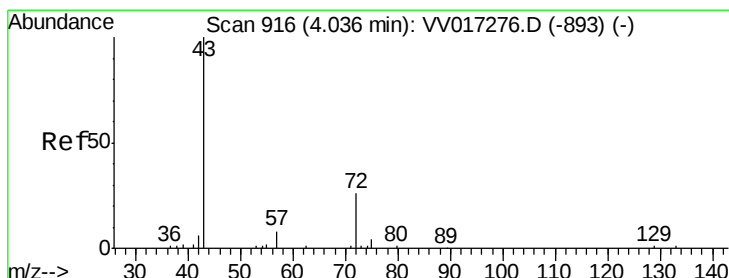
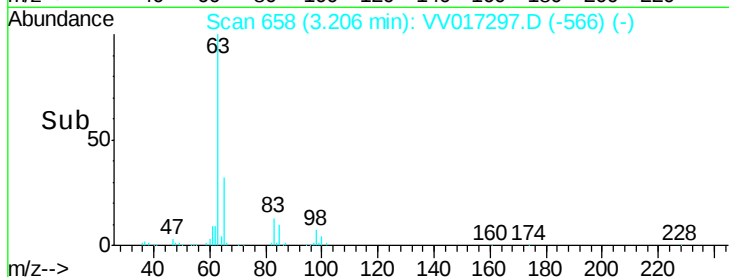
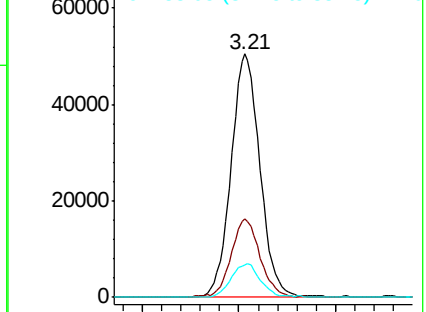
63 100

65 32.2 21.8 40.4

83 13.4 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 65.10 (64.80 to 65.80): VV0
Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 44.068 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.01 min

Lab File: VV017297.D

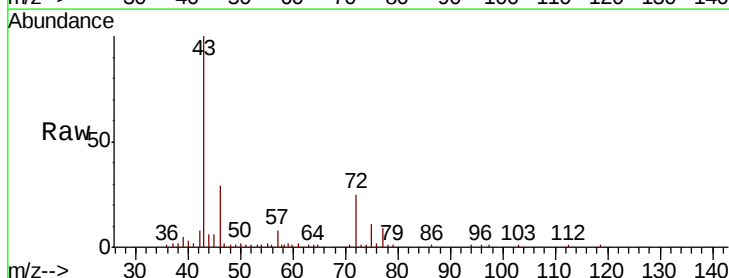
Acq: 01 Jul 2020 20:27

Tgt Ion: 43 Resp: 112926

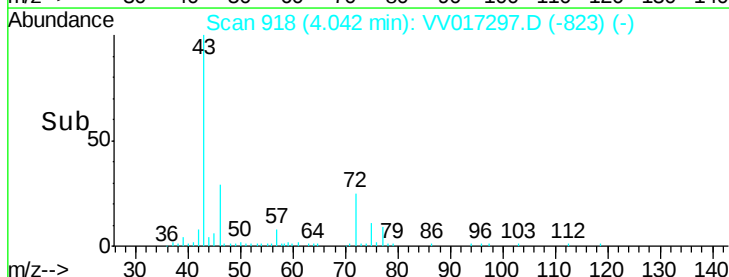
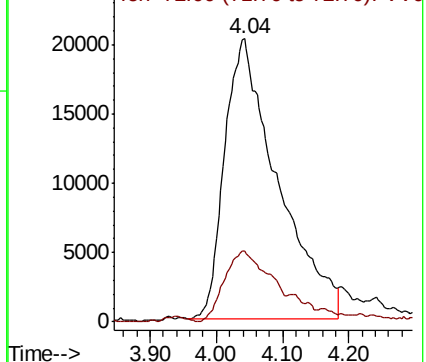
Ion Ratio Lower Upper

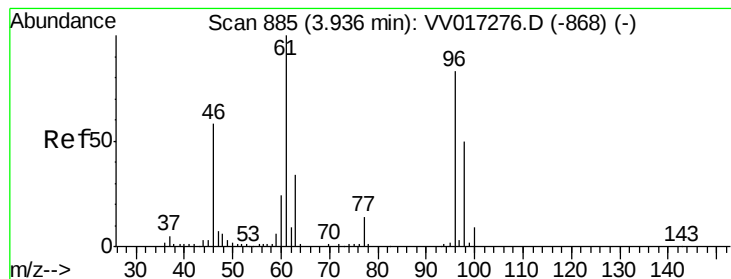
43 100

72 21.5 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0



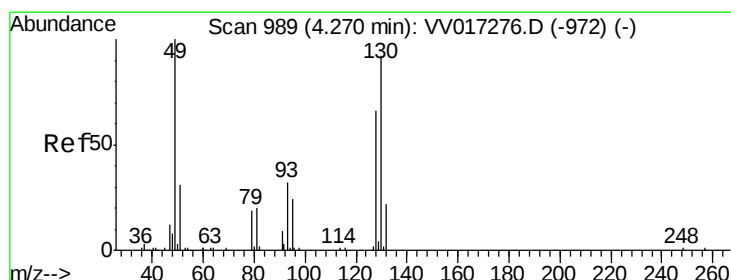
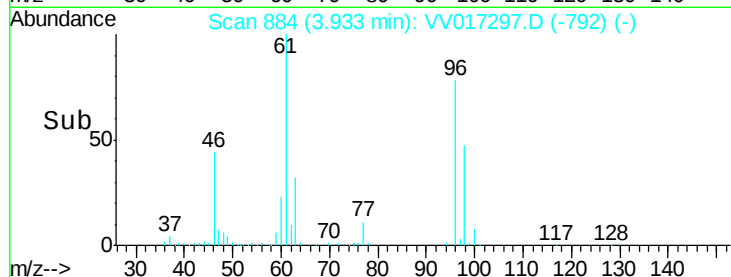
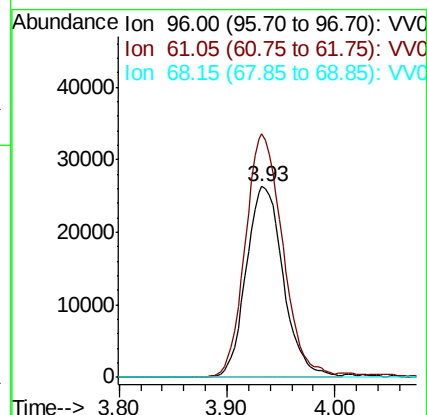
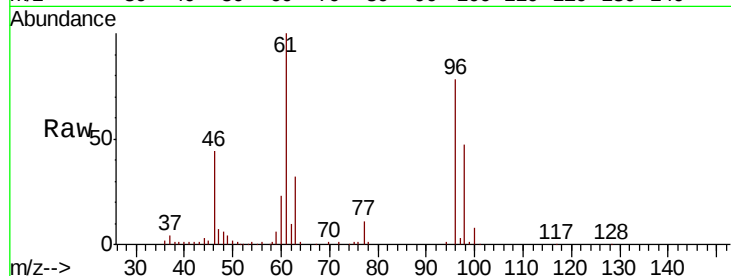


#22

cis-1,2-Dichloroethene
Concen: 5.159 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Instrument :
MSVOA_V
ClientSampled :
VSTD00543

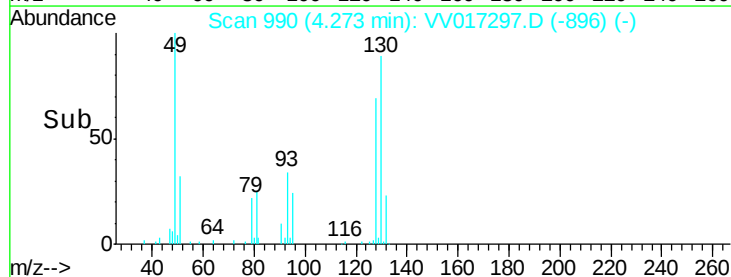
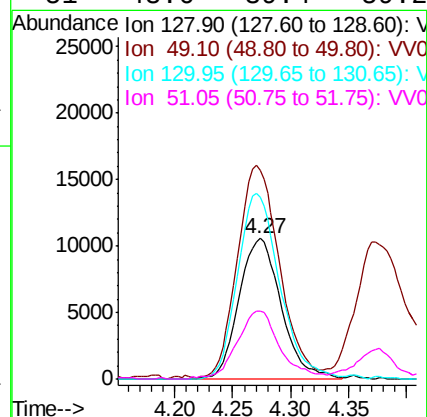
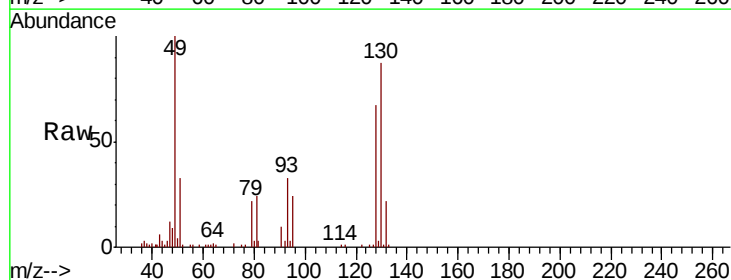
Tot Ion: 96 Resp: 63074
Ion Ratio Lower Upper
96 100
61 127.7 91.0 169.0
68 0.0 0.0 0.0

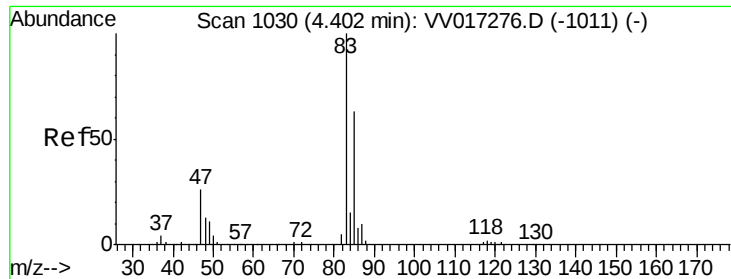


#23

Bromochloromethane
Concen: 5.148 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion: 128 Resp: 26750
Ion Ratio Lower Upper
128 100
49 148.6 110.8 205.8
130 129.2 86.0 159.8
51 48.6 39.4 59.2

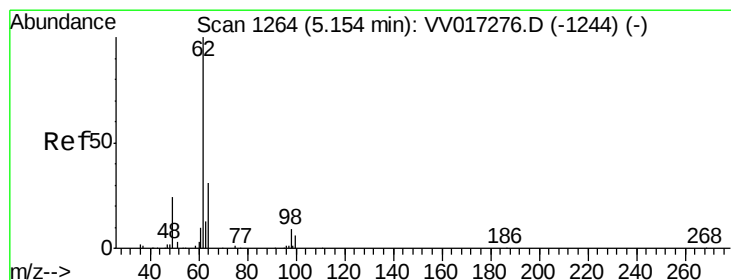
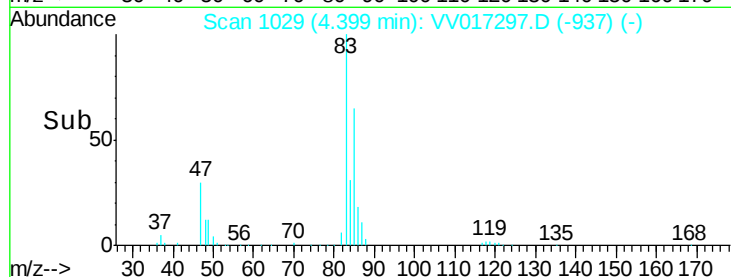
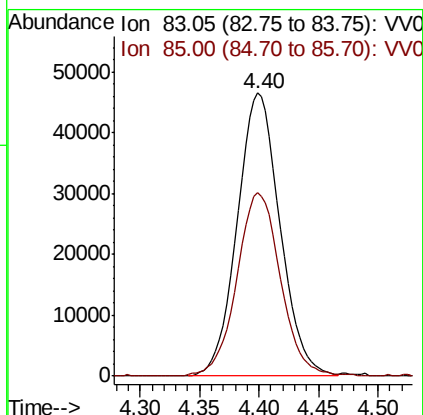
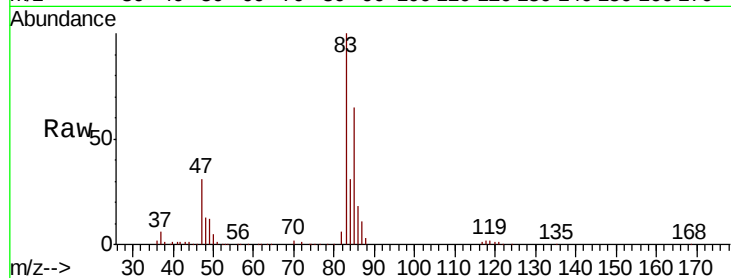




#25
Chloroform
Concen: 5.280 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

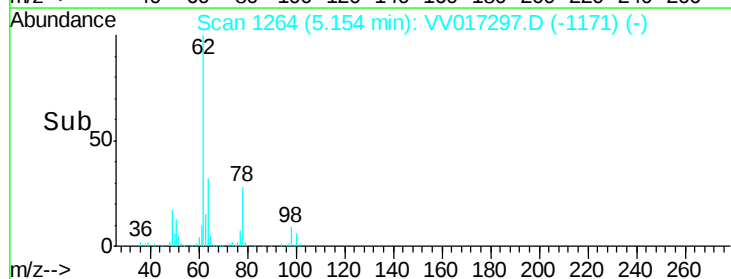
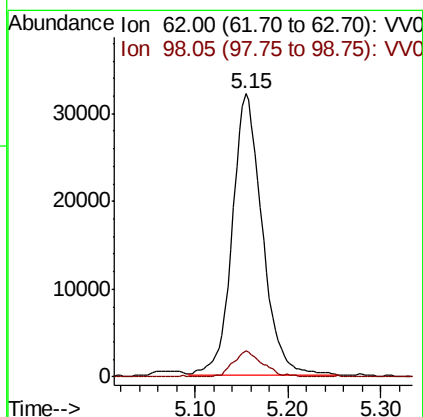
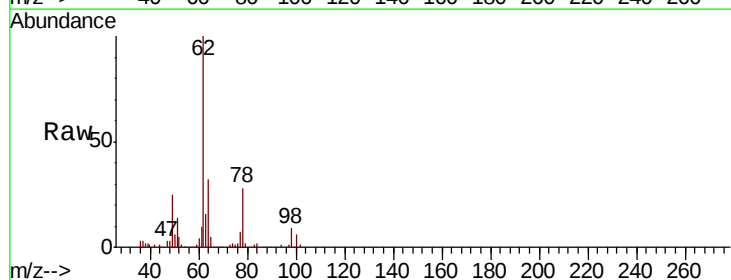
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

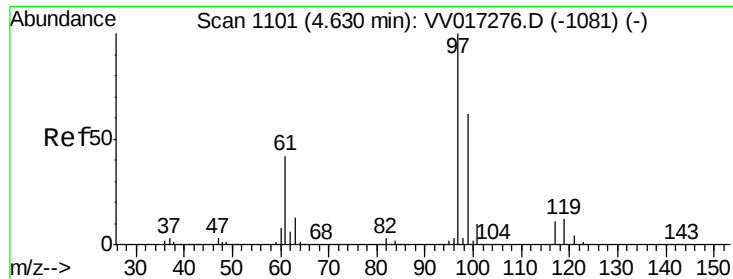
Tot Ion: 83 Resp: 115866
Ion Ratio Lower Upper
83 100
85 64.7 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.279 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion: 62 Resp: 71968
Ion Ratio Lower Upper
62 100
98 9.1 6.7 10.1

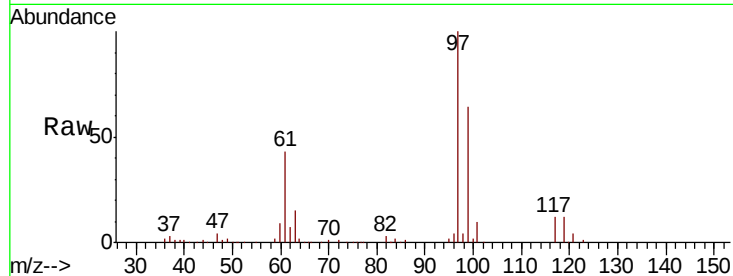




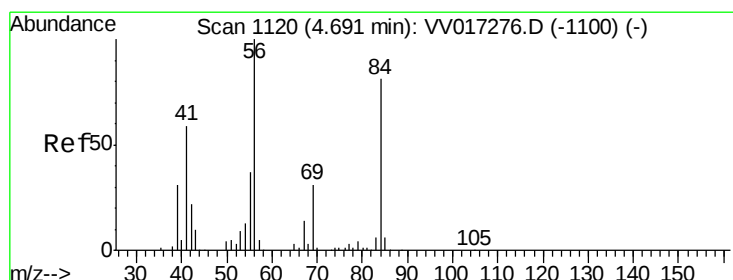
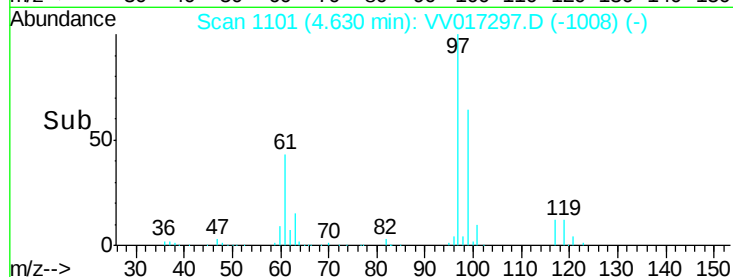
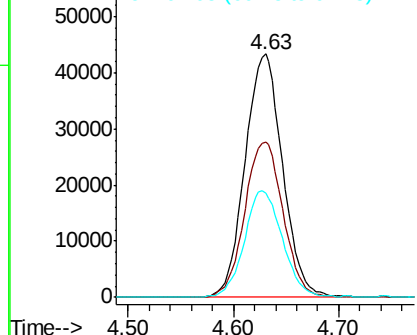
#29
 1,1,1-Trichloroethane
 Concen: 5.115 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tot Ion: 97 Resp: 107155
 Ion Ratio Lower Upper
 97 100
 99 65.5 50.3 75.5
 61 44.6 36.0 54.0

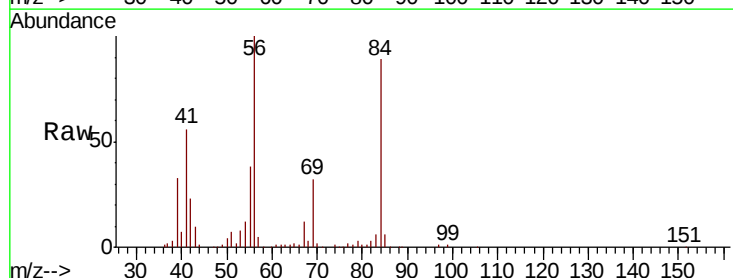


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

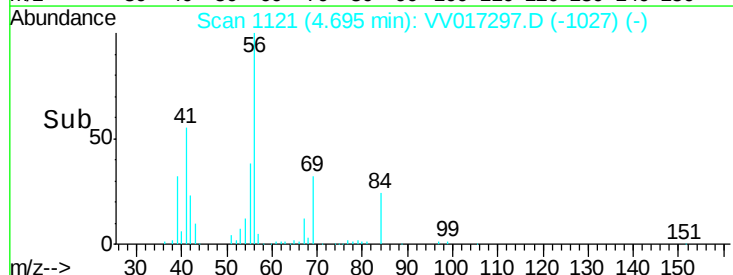
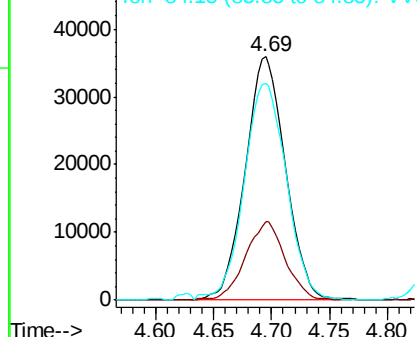


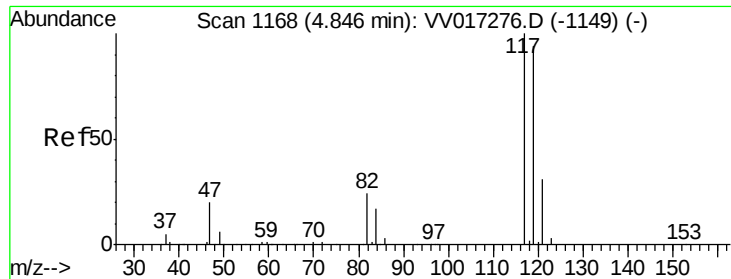
#30
 Cyclohexane
 Concen: 4.349 ug/L
 RT: 4.69 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 56 Resp: 86686
 Ion Ratio Lower Upper
 56 100
 69 32.1 24.4 36.6
 84 93.9 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0

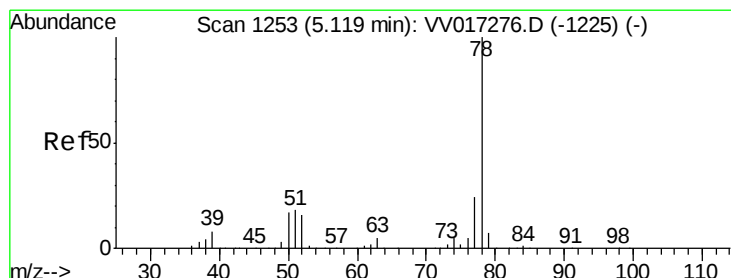
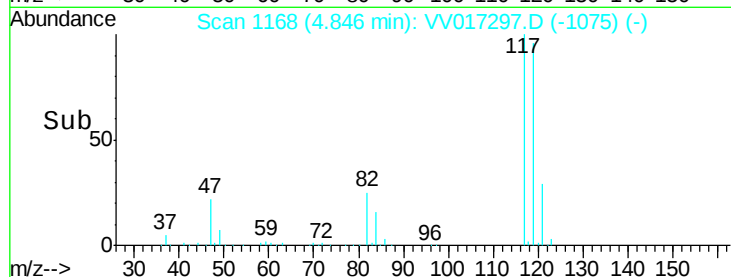
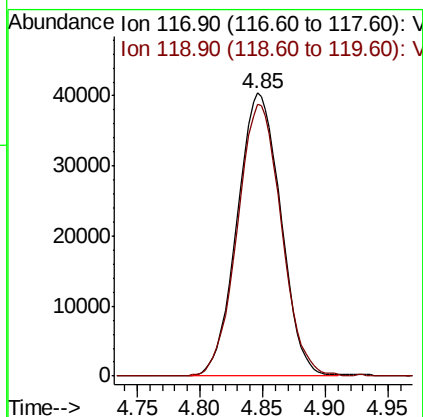
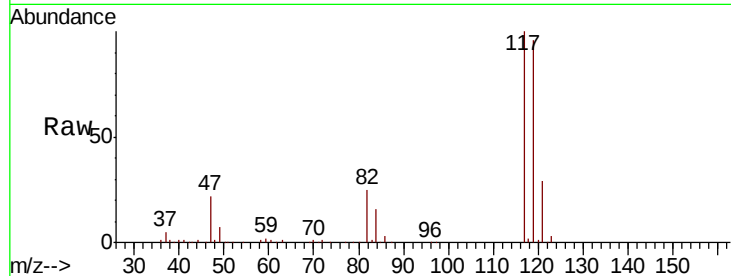




#31
Carbon tetrachloride
Concen: 5.153 ug/L
RT: 4.85 min Scan# 1168
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

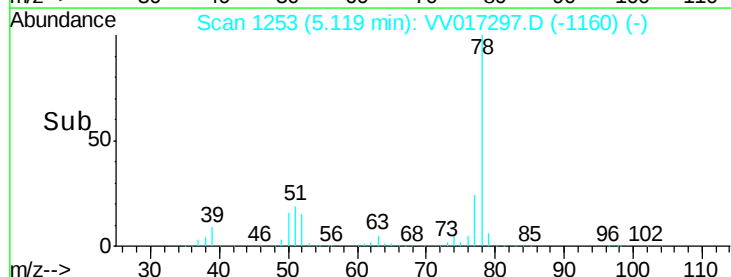
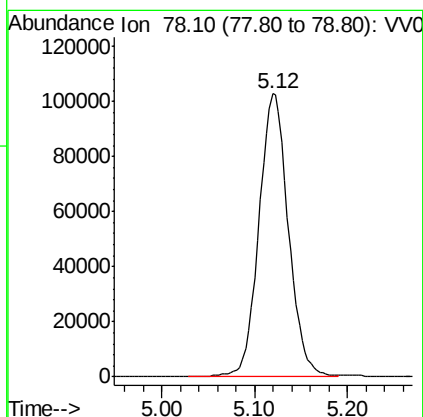
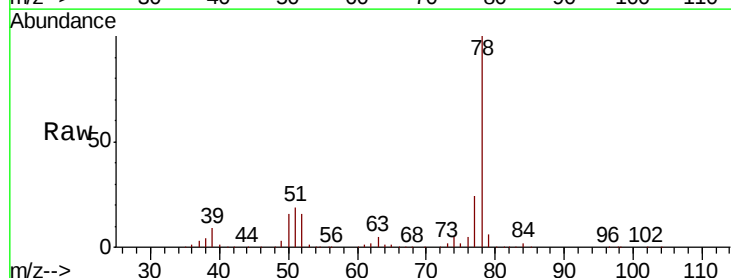
Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

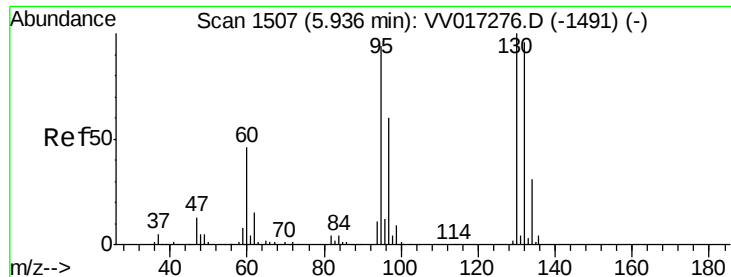
Tot Ion:117 Resp: 97410
Ion Ratio Lower Upper
117 100
119 97.0 77.8 116.8



#33
Benzene
Concen: 4.946 ug/L
RT: 5.12 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion: 78 Resp: 226498





#34

Trichloroethene

Concen: 9.283 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampled :

VSTD00543

Tot Ion: 95 Resp: 124464

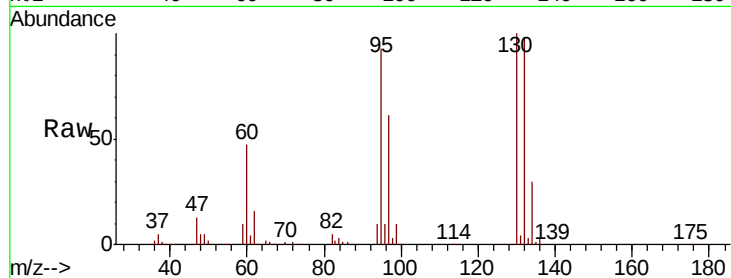
Ion Ratio Lower Upper

95 100

97 66.0 45.3 84.1

132 105.1 68.8 127.8

130 107.4 70.2 130.4

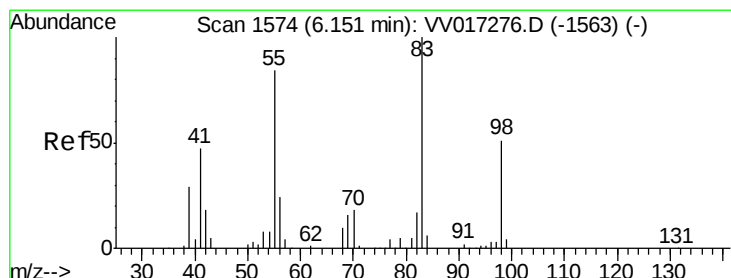
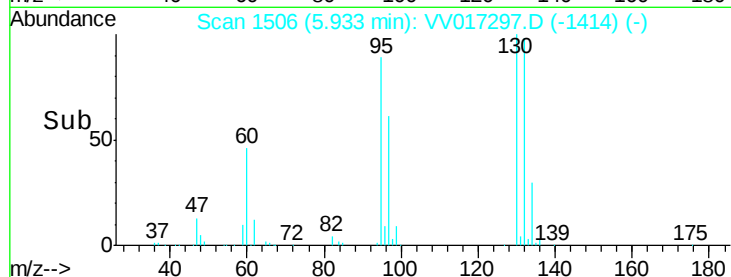
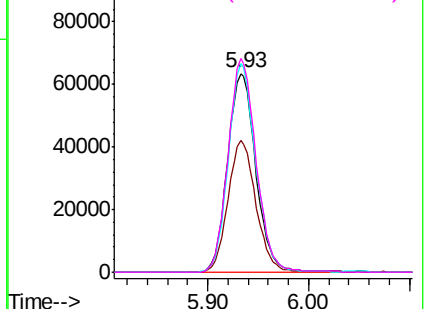


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.410 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

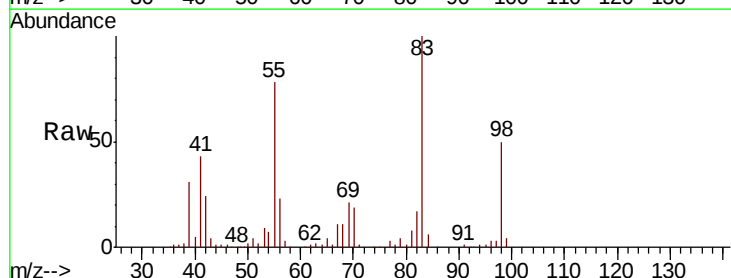
Tgt Ion: 83 Resp: 91916

Ion Ratio Lower Upper

83 100

55 78.6 63.6 95.4

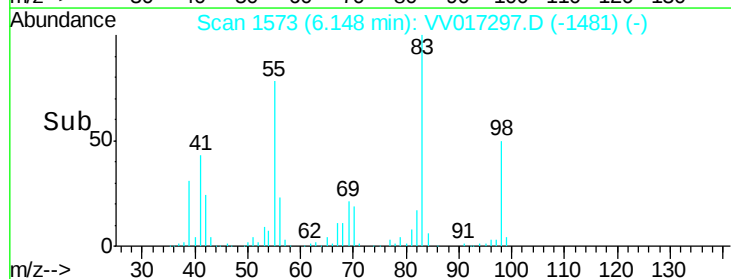
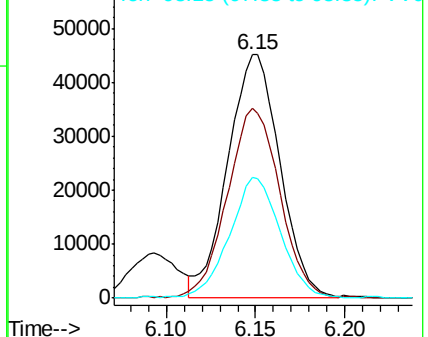
98 47.1 38.8 58.2

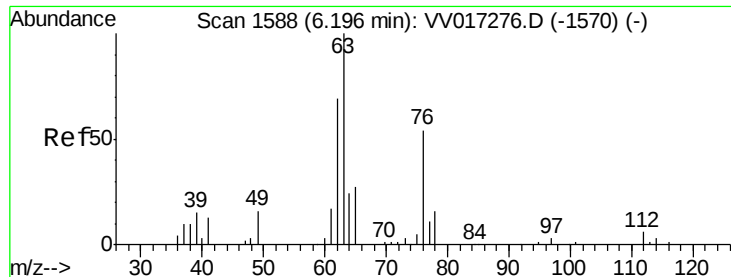


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

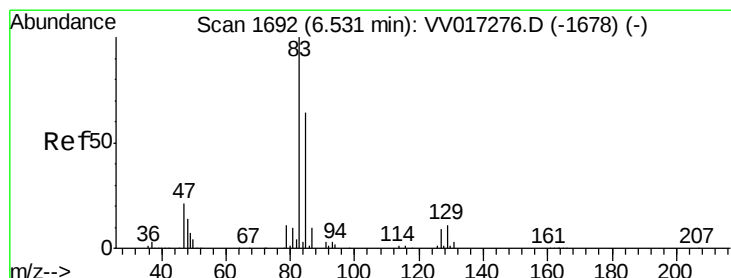
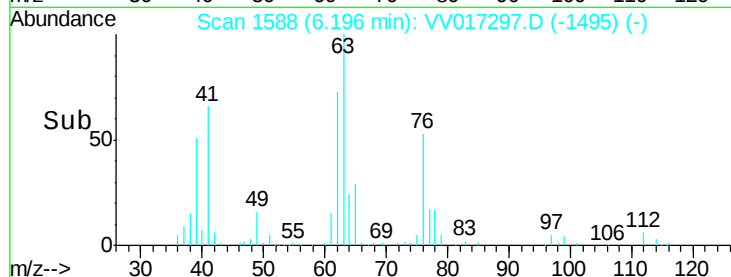
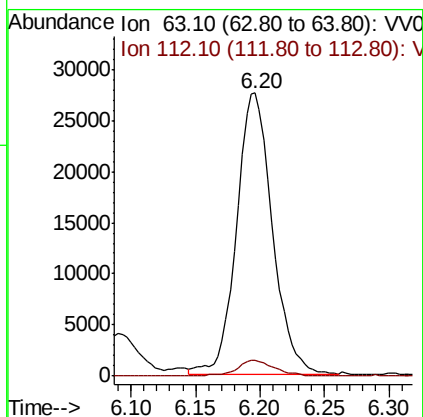
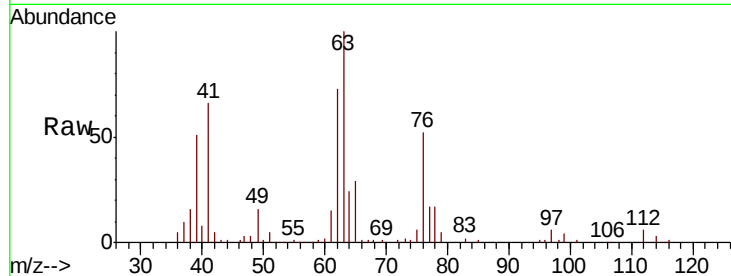




#37
 1,2-Dichloropropane
 Concen: 4.664 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

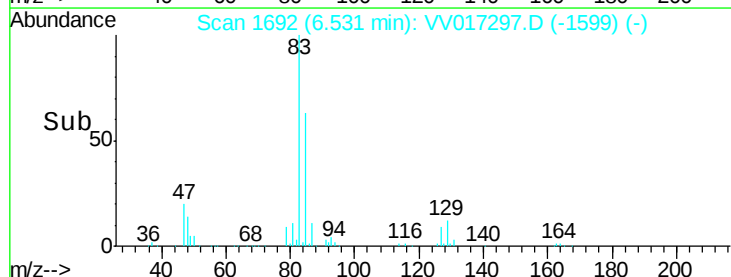
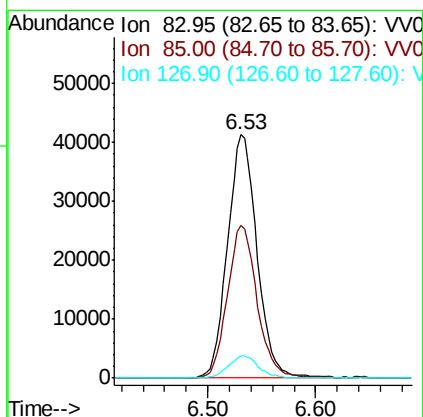
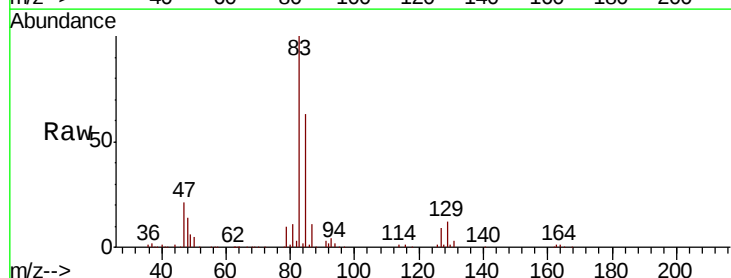
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

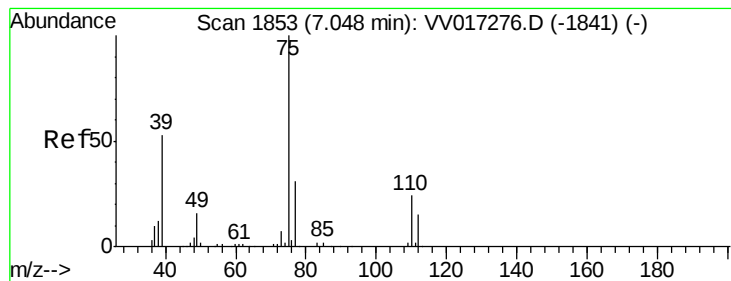
Tot Ion: 63 Resp: 52869
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.124 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 83 Resp: 78889
 Ion Ratio Lower Upper
 83 100
 85 62.5 43.4 80.6
 127 8.9 7.9 11.9



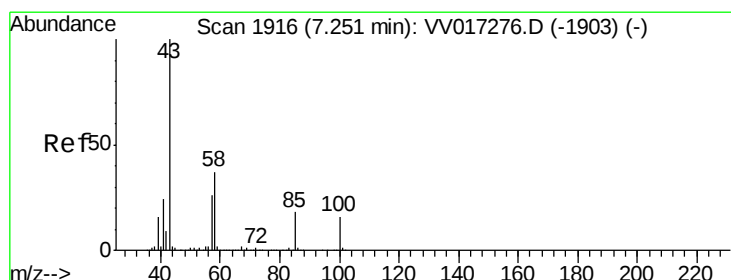
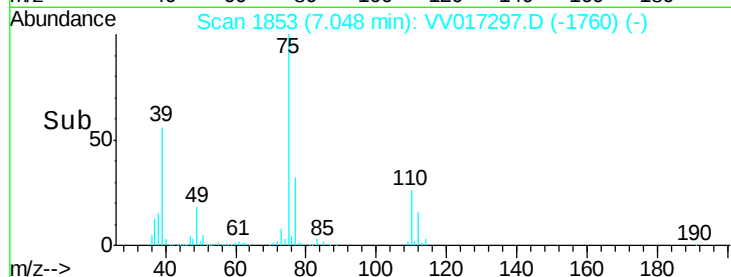
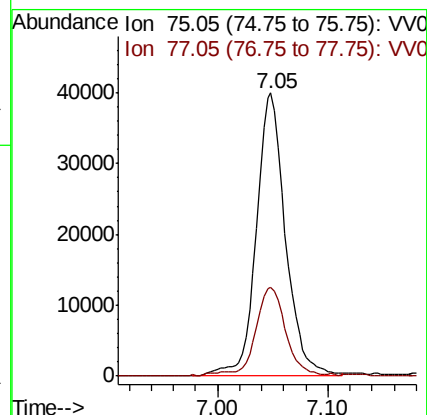
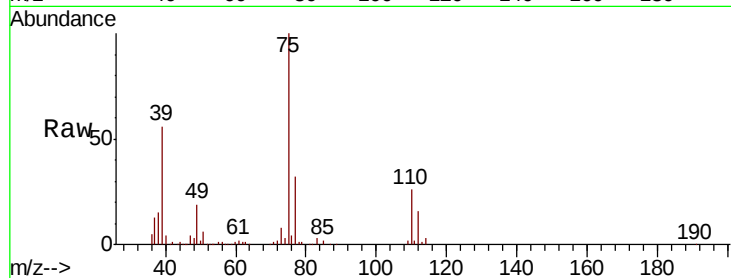


#39

cis-1,3-Dichloropropene
 Concen: 4.361 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

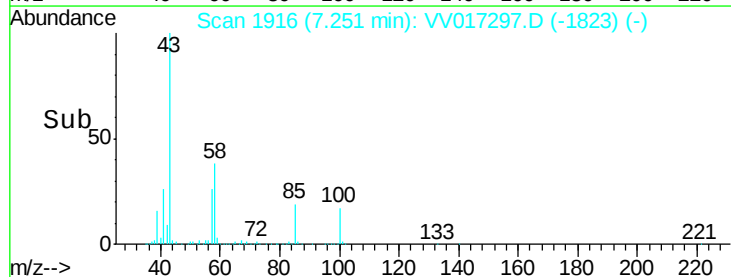
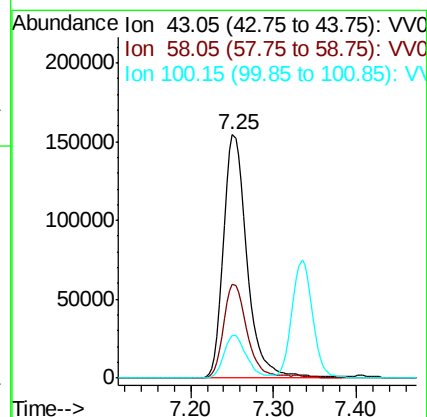
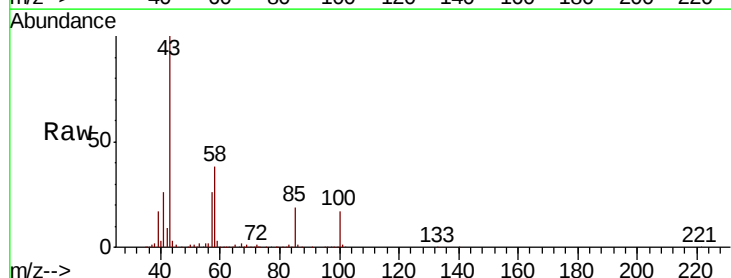
Tot Ion: 75 Resp: 73443
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.3 41.5

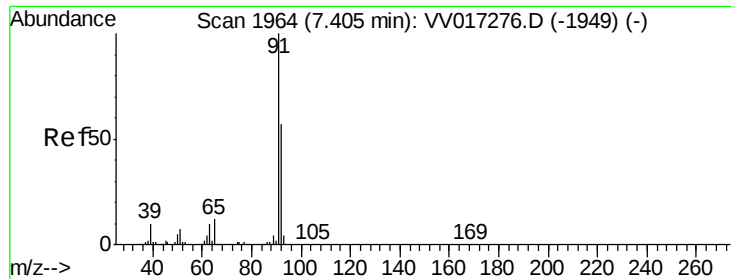


#40

4-Methyl-2-pentanone
 Concen: 46.380 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 43 Resp: 303537
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.4 45.6
 100 16.8 12.7 19.1





#42

Toluene

Concen: 4.679 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

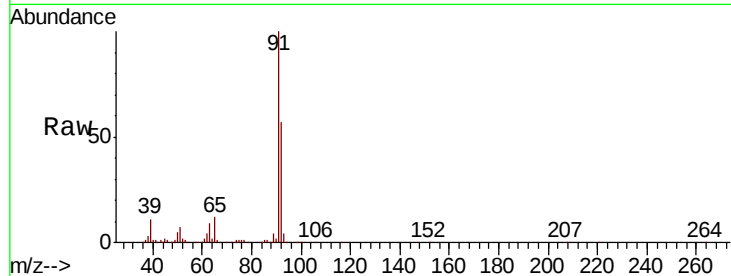
VSTD00543

Tot Ion: 91 Resp: 249080

Ion Ratio Lower Upper

91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017276.D (-1949) (-)

Ion 92.15 (91.85 to 92.85): VV017297.D (-1871) (-)

7.41

150000

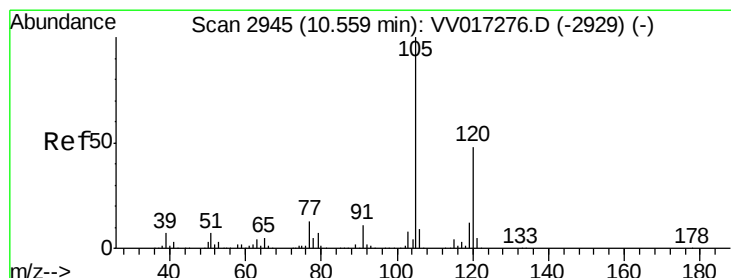
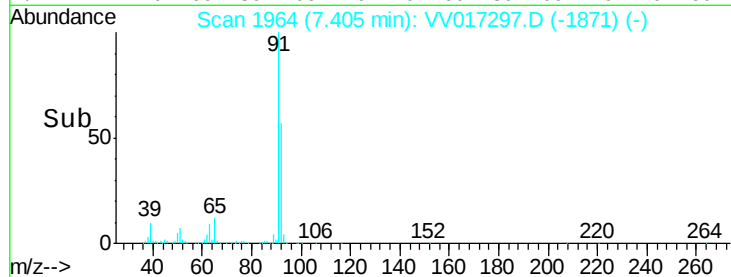
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.904 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017297.D

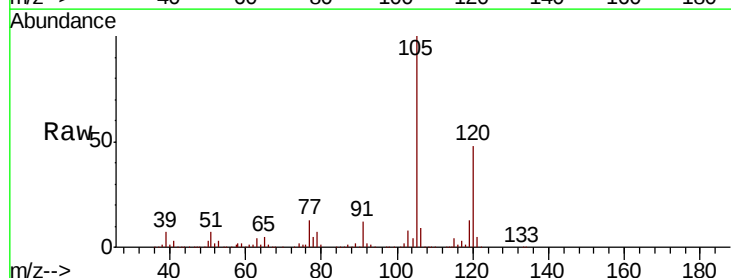
Acq: 01 Jul 2020 20:27

Tgt Ion: 105 Resp: 233457

Ion Ratio Lower Upper

105 100

120 48.2 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017276.D (-2929) (-)

Ion 120.00 (119.70 to 120.70): VV017297.D (-2323) (-)

10.56

150000

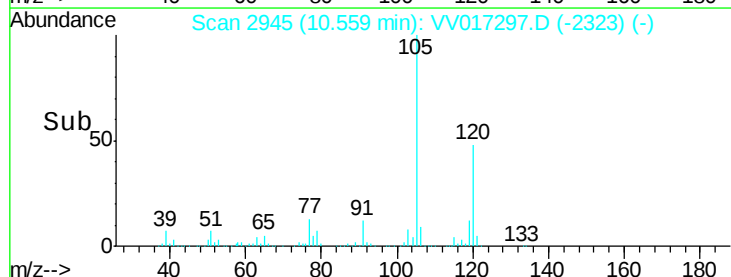
100000

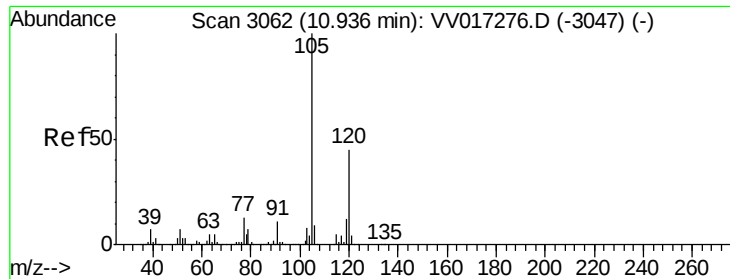
50000

0

10.50 10.55 10.60

Time-->

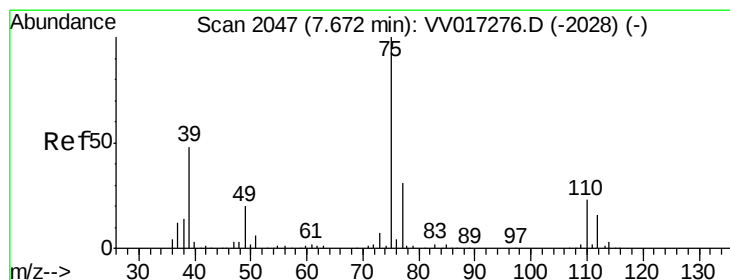
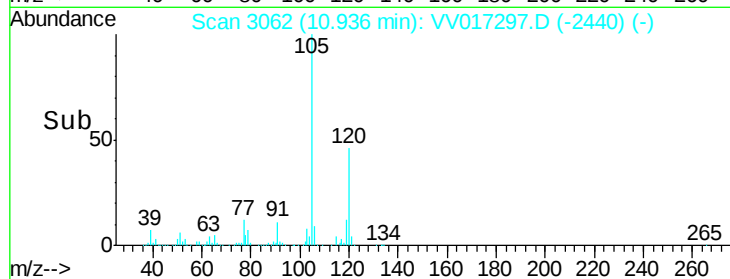
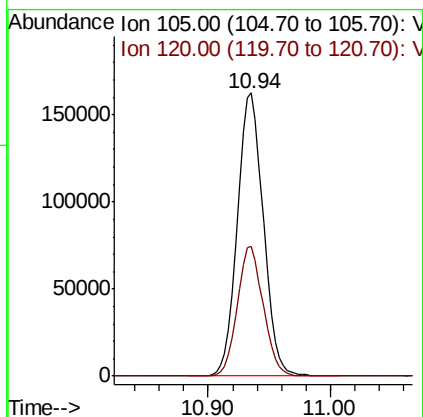
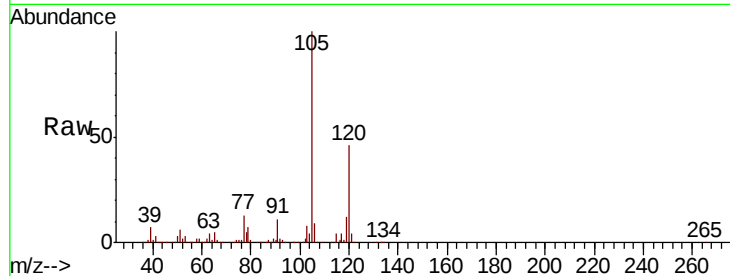




#44
 1,2,4-Trimethylbenzene
 Concen: 4.945 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

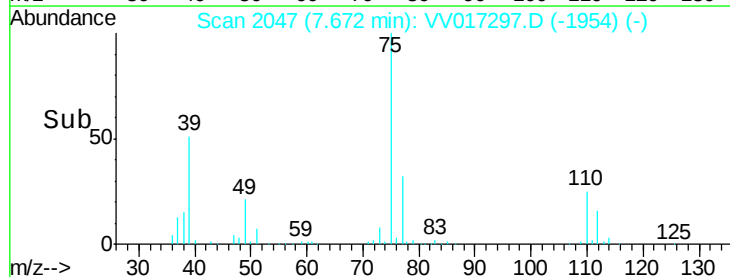
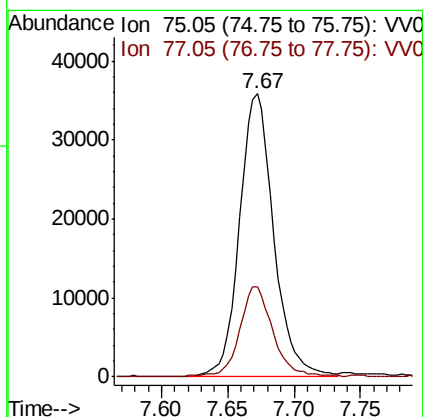
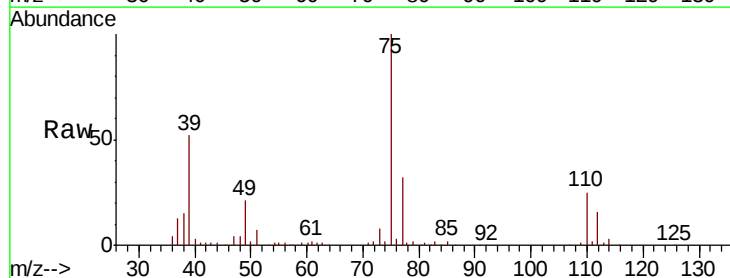
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

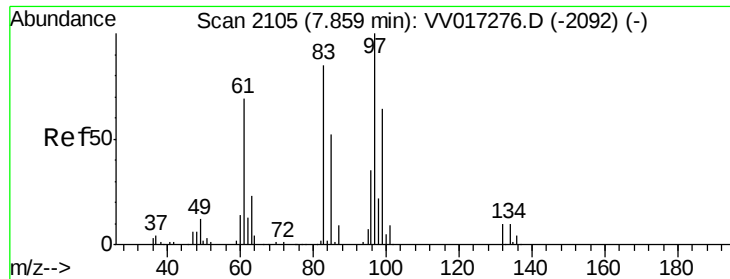
Tot Ion:105 Resp: 239694
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 4.426 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 75 Resp: 64479
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.3

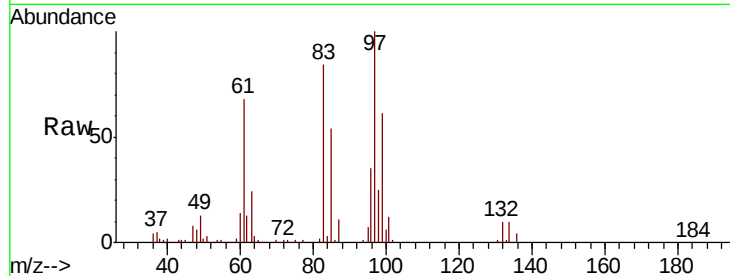




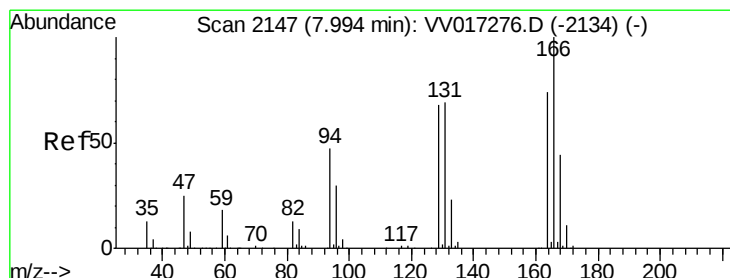
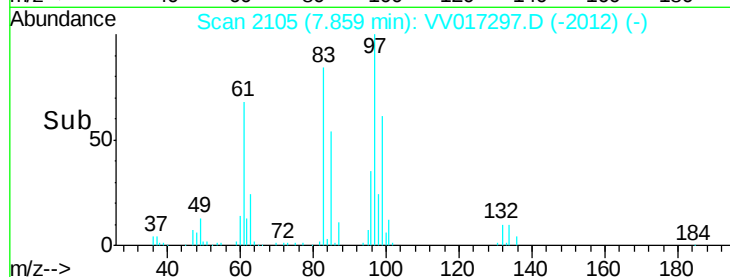
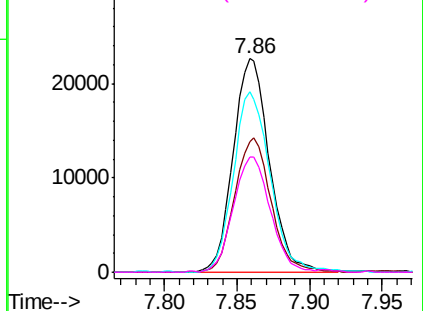
#47
 1,1,2-Trichloroethane
 Concen: 4.886 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tot Ion: 97 Resp: 39284
 Ion Ratio Lower Upper
 97 100
 99 61.1 43.6 81.0
 83 84.3 57.4 106.6
 85 54.0 38.8 72.0

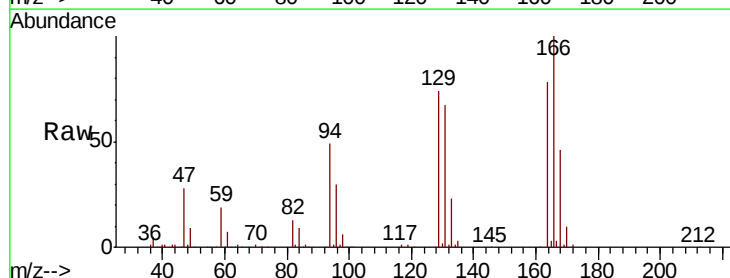


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

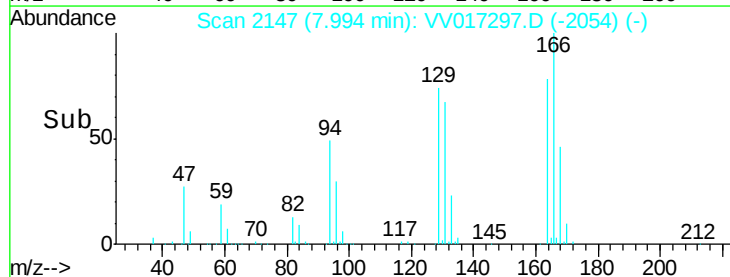
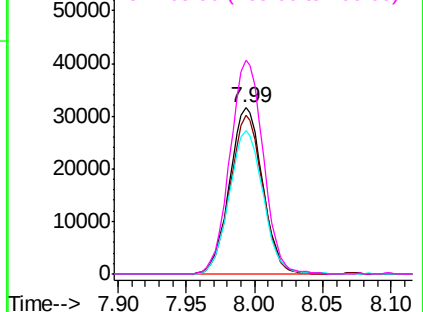


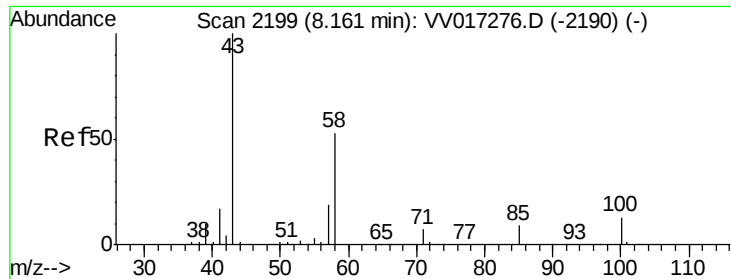
#49
 Tetrachloroethene
 Concen: 4.930 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 164 Resp: 53202
 Ion Ratio Lower Upper
 164 100
 129 95.4 65.2 121.0
 131 86.7 64.1 119.1
 166 128.7 90.2 167.4



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

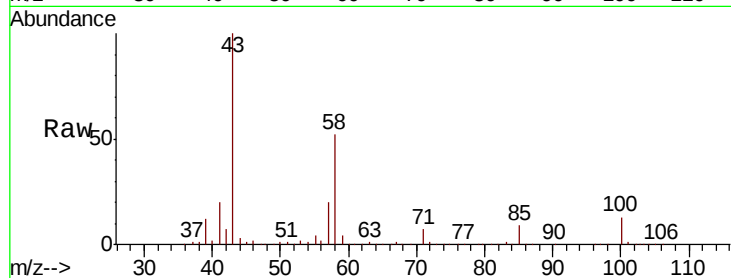




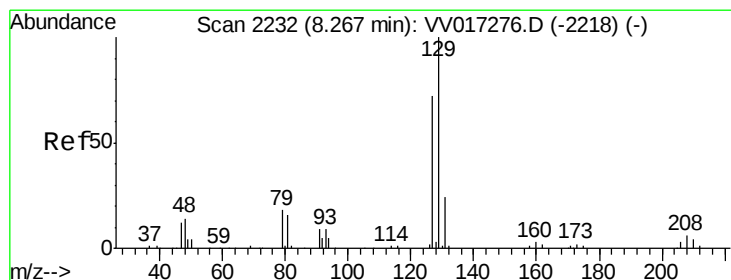
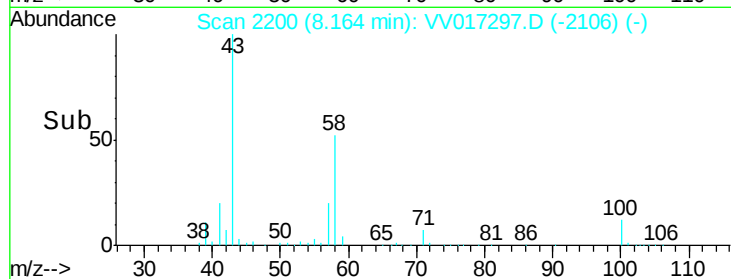
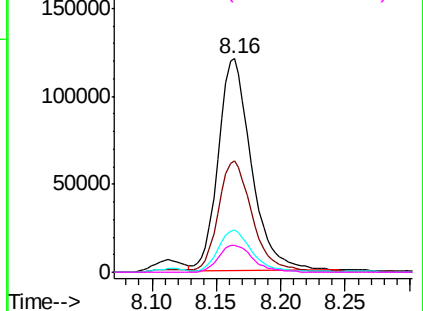
#50
2-Hexanone
Concen: 46.432 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tot Ion:	43	Resp:	216258
Ion	Ratio	Lower	Upper
43	100		
58	52.1	41.6	62.4
57	20.7	15.4	23.0
100	12.9	10.1	15.1

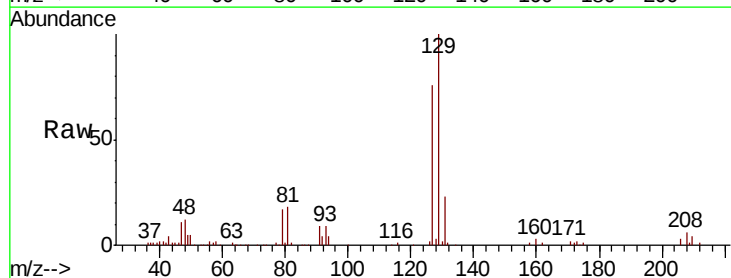


Abundance Ion 43.05 (42.75 to 43.75): VV017297.D (-2106) (-)
Ion 58.05 (57.75 to 58.75): VV017297.D (-2106) (-)
Ion 57.20 (56.90 to 57.90): VV017297.D (-2106) (-)
Ion 100.15 (99.85 to 100.85): VV017297.D (-2106) (-)

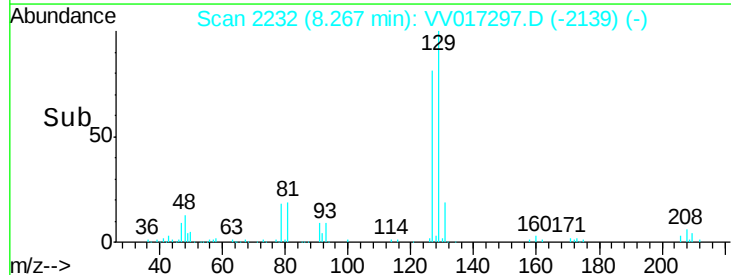
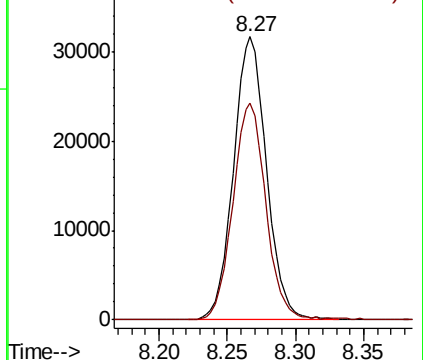


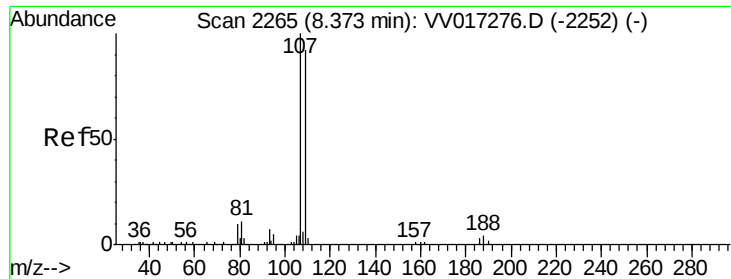
#51
Dibromochloromethane
Concen: 5.453 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion:	129	Resp:	53144
Ion	Ratio	Lower	Upper
129	100		
127	76.4	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV017297.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017297.D (-2139) (-)

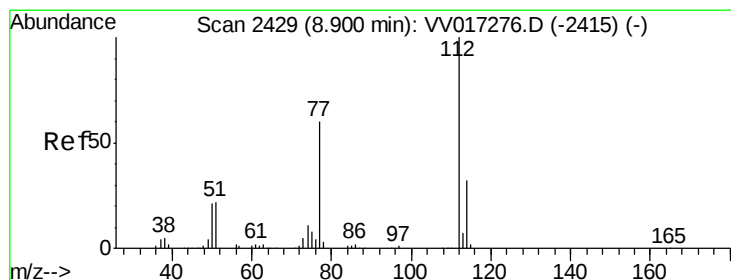
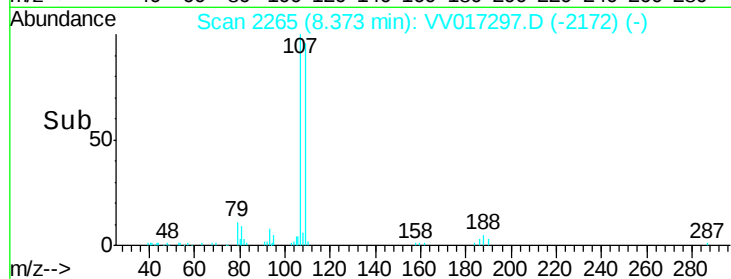
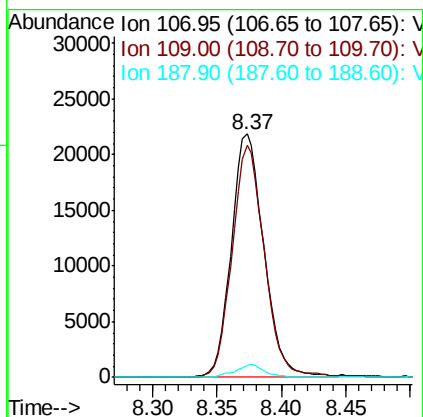
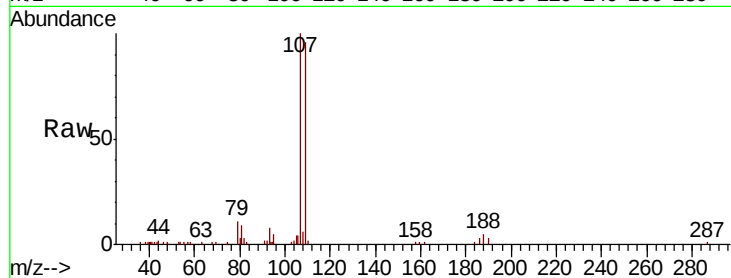




#52
 1,2-Dibromoethane
 Concen: 5.028 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

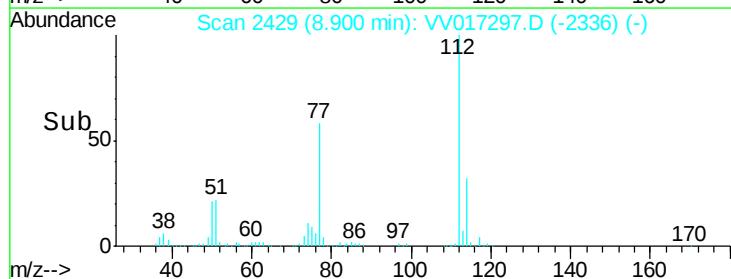
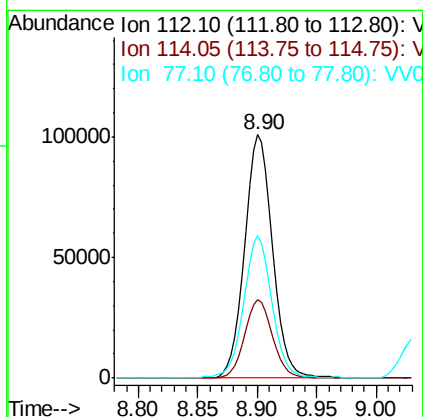
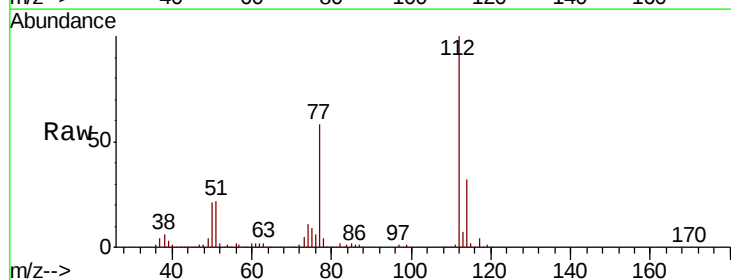
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

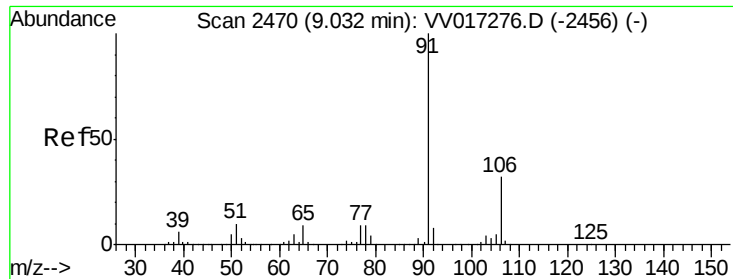
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	69.4	128.8
188	4.7	3.9	5.9



#53
 Chlorobenzene
 Concen: 4.953 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.0	41.0
77	58.4	46.0	69.0





#54

Ethylbenzene

Concen: 4.937 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

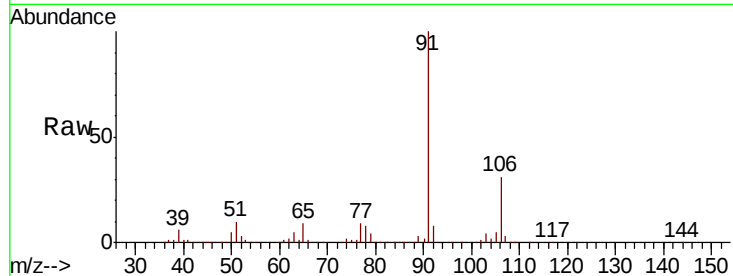
VSTD00543

Tot Ion: 91 Resp: 280558

Ion Ratio Lower Upper

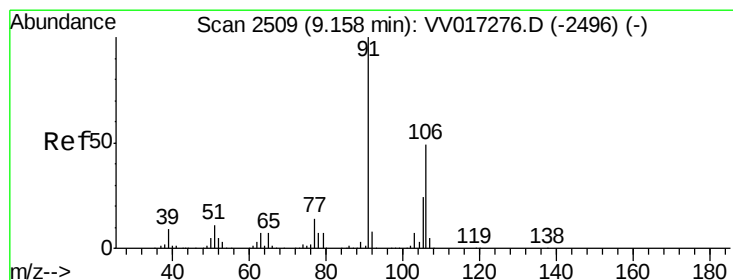
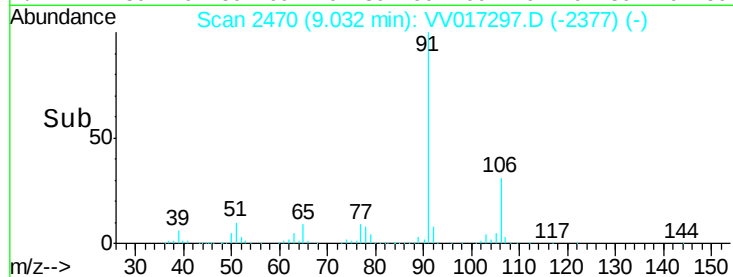
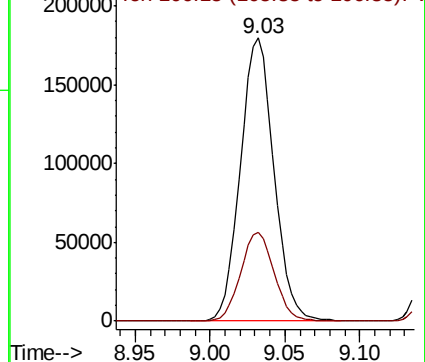
91 100

106 31.2 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V



#55

m,p-xylene

Concen: 4.732 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017297.D

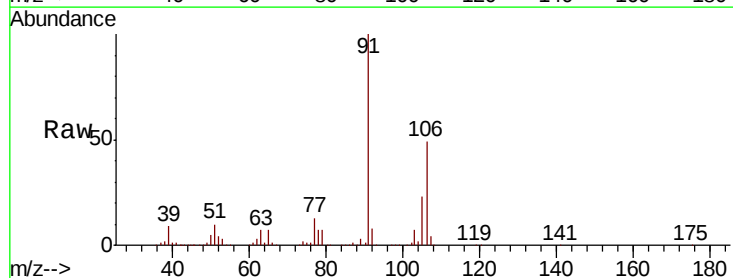
Acq: 01 Jul 2020 20:27

Tgt Ion: 106 Resp: 105464

Ion Ratio Lower Upper

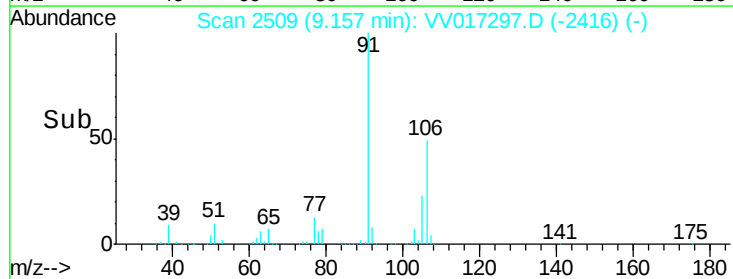
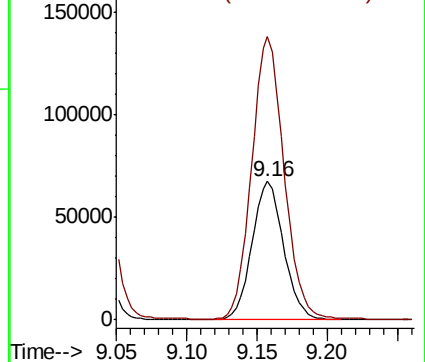
106 100

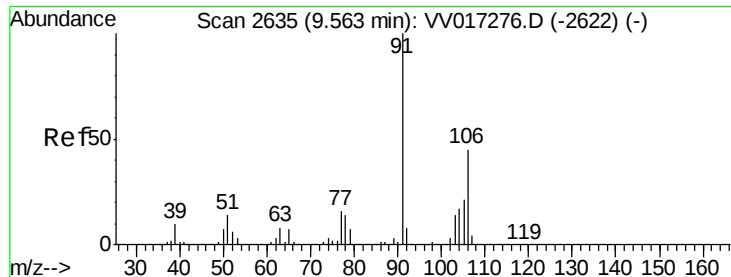
91 204.7 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

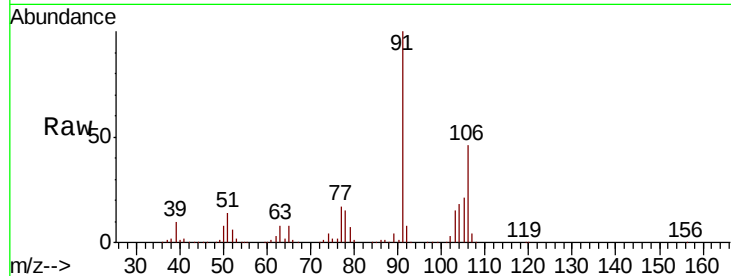




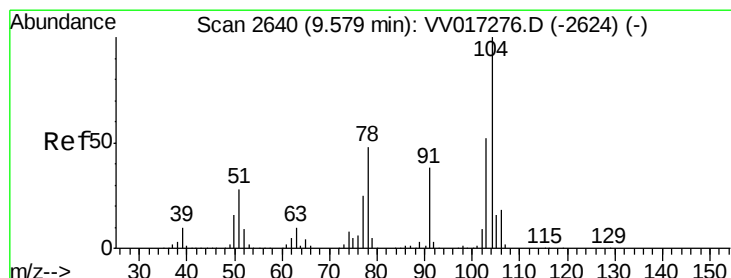
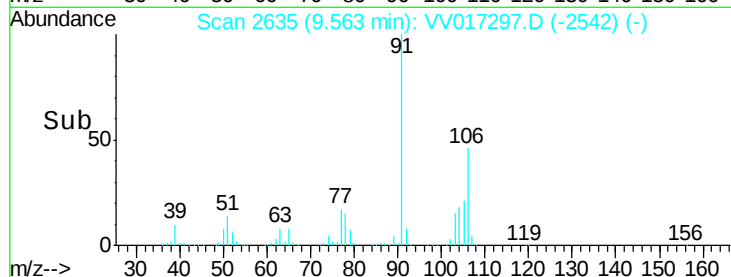
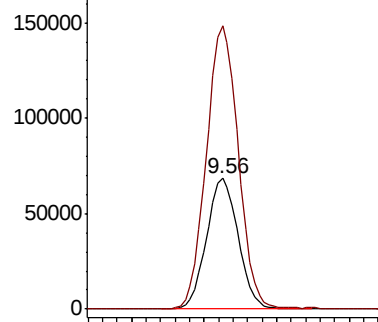
#56
o-xylene
Concen: 5.001 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00543

Tot Ion:106 Resp: 104004
Ion Ratio Lower Upper
106 100
91 216.7 153.6 285.2

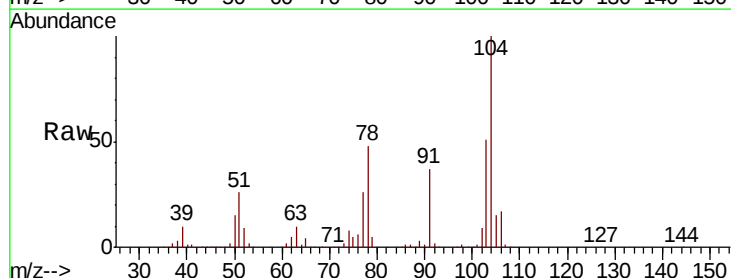


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

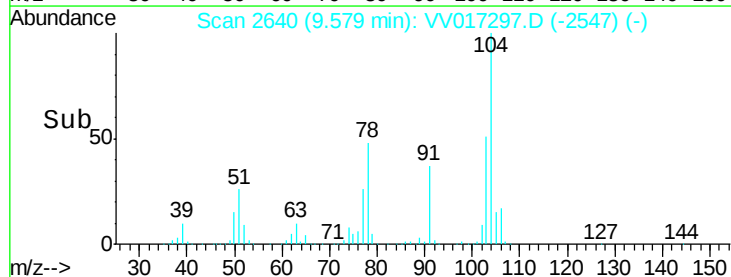
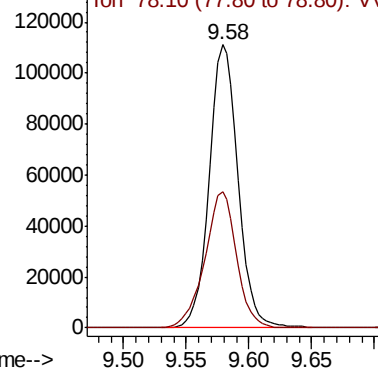


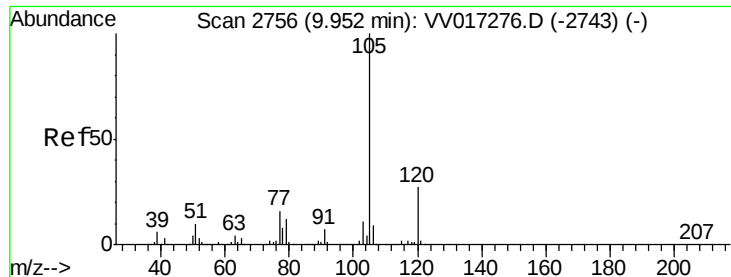
#57
Styrene
Concen: 5.142 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017297.D
Acq: 01 Jul 2020 20:27

Tgt Ion:104 Resp: 177199
Ion Ratio Lower Upper
104 100
78 48.3 33.9 62.9



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





#58

Isopropylbenzene

Concen: 4.565 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

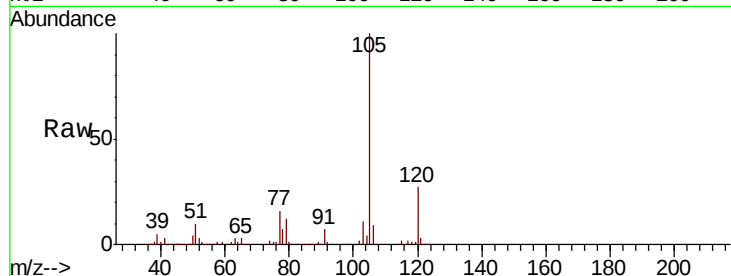
Tot Ion:105 Resp: 261289

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

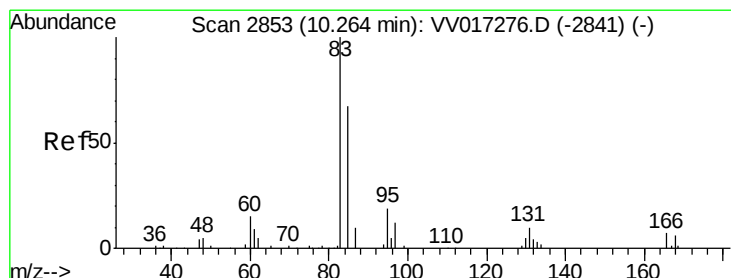
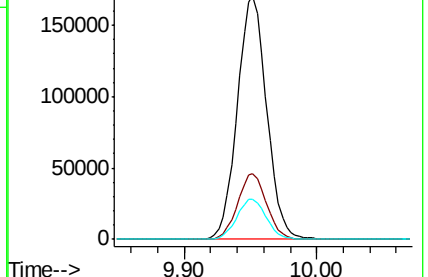
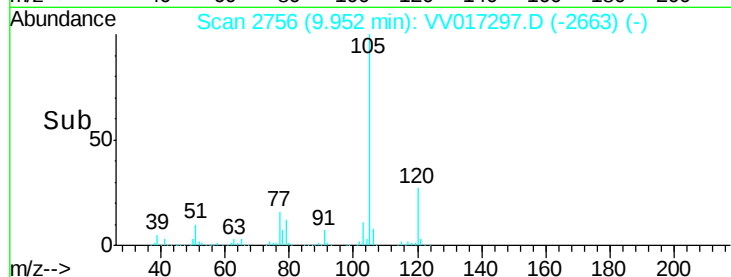
77 16.7 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.368 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

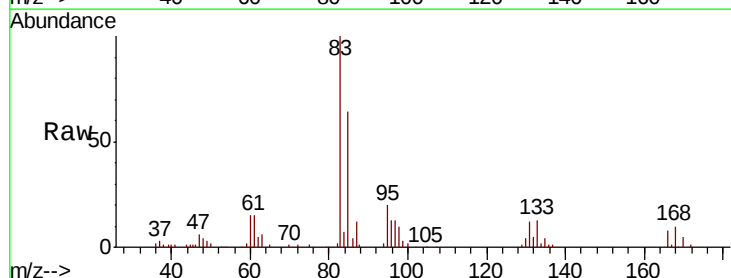
Tgt Ion: 83 Resp: 44637

Ion Ratio Lower Upper

83 100

85 63.6 42.9 79.7

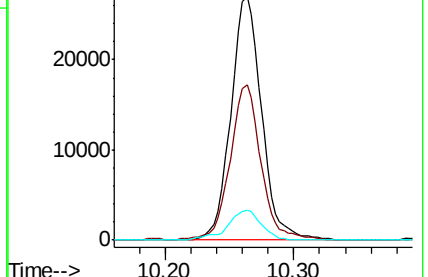
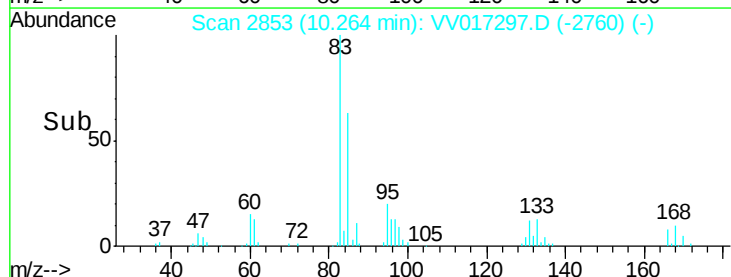
131 12.2 8.6 13.0

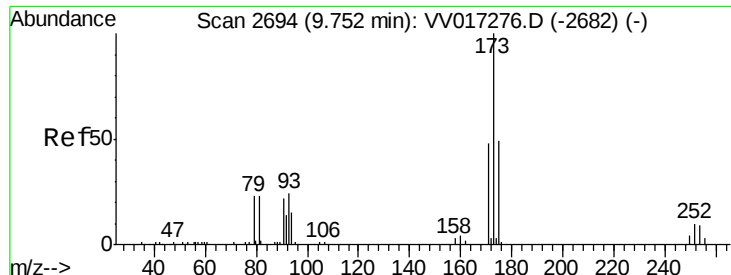


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 5.918 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

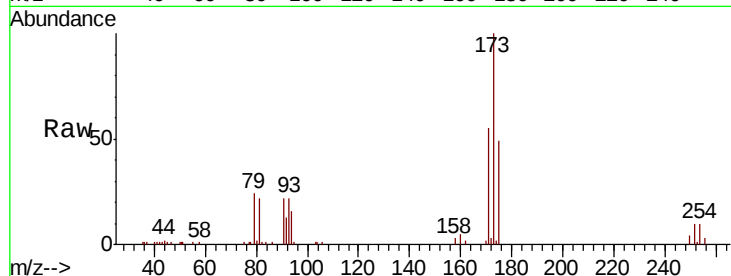
Tot Ion:173 Resp: 28637

Ion Ratio Lower Upper

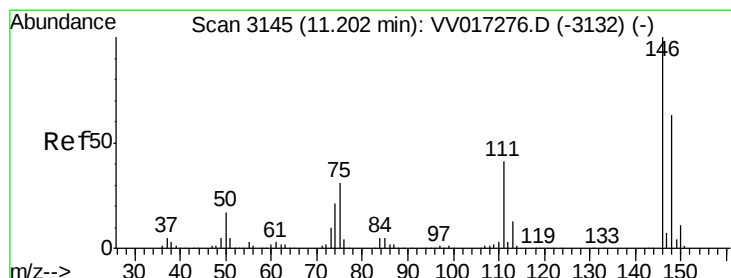
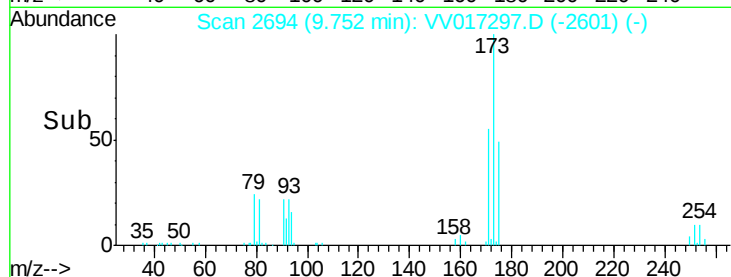
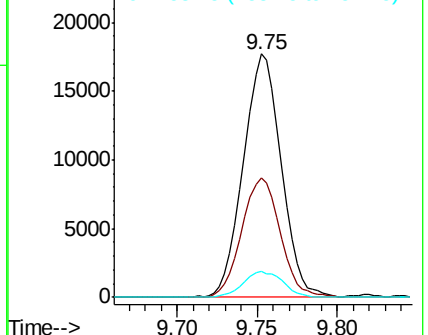
173 100

175 49.7 39.4 59.2

254 11.1 7.4 11.2



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



#63

1,3-Dichlorobenzene

Concen: 5.008 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

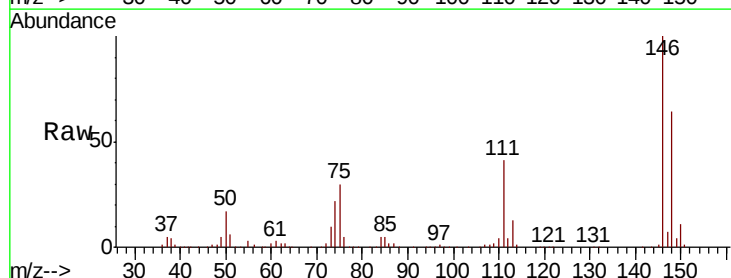
Tgt Ion:146 Resp: 136373

Ion Ratio Lower Upper

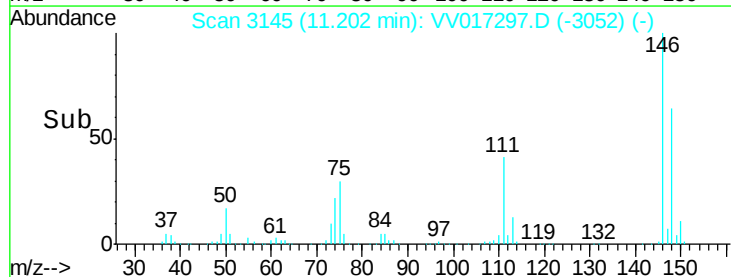
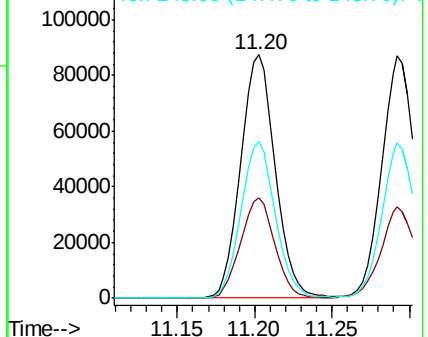
146 100

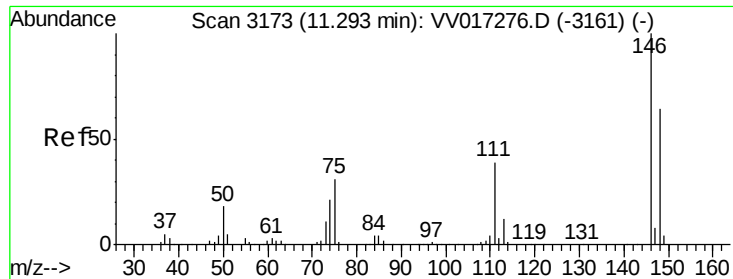
111 41.1 29.2 54.2

148 64.1 44.9 83.5



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





#64

1,4-Dichlorobenzene

Concen: 4.845 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

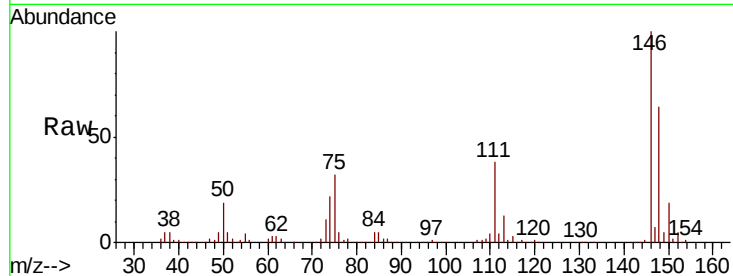
Tot Ion:146 Resp: 134097

Ion Ratio Lower Upper

146 100

111 37.6 27.4 50.8

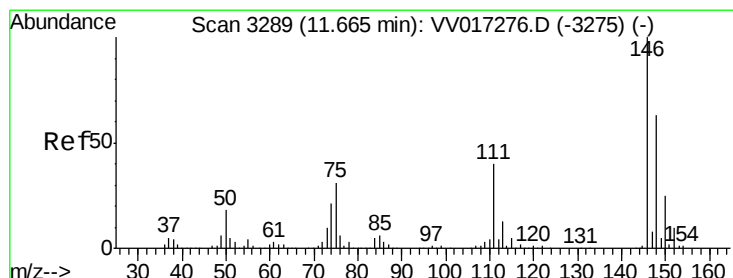
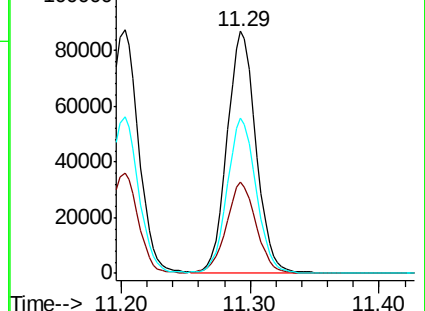
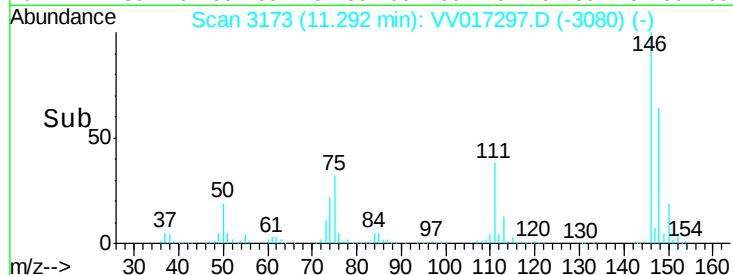
148 64.1 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.033 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

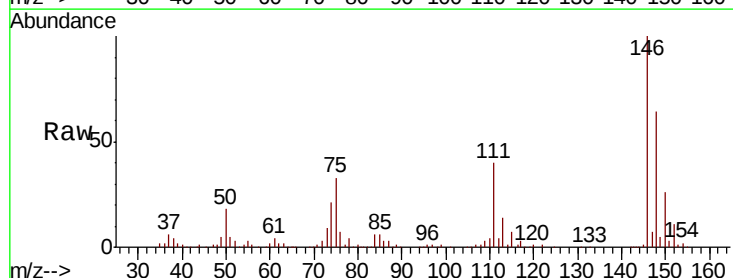
Tgt Ion:146 Resp: 124376

Ion Ratio Lower Upper

146 100

111 40.2 34.4 51.6

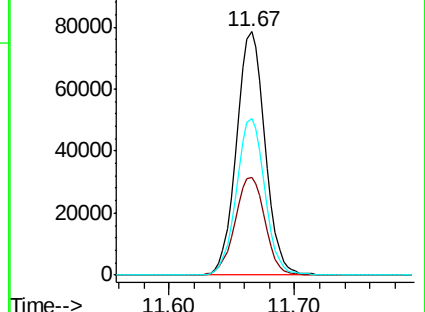
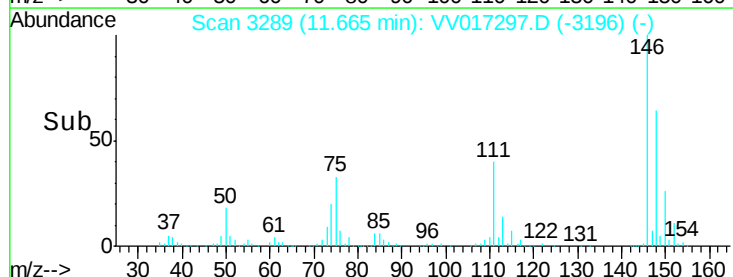
148 64.3 49.9 74.9

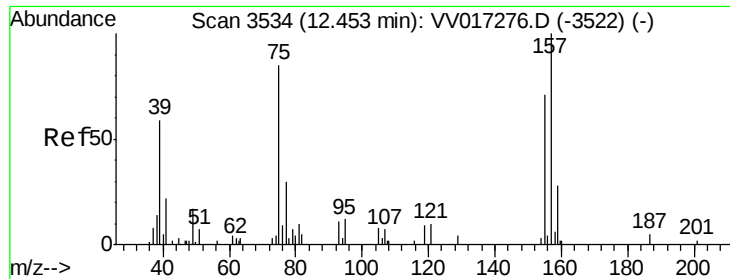


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

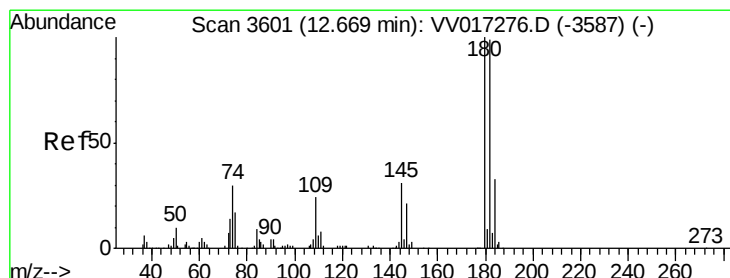
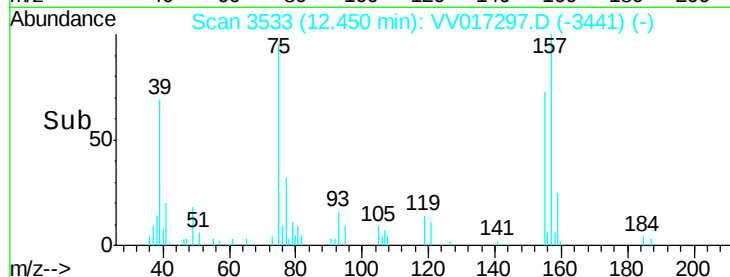
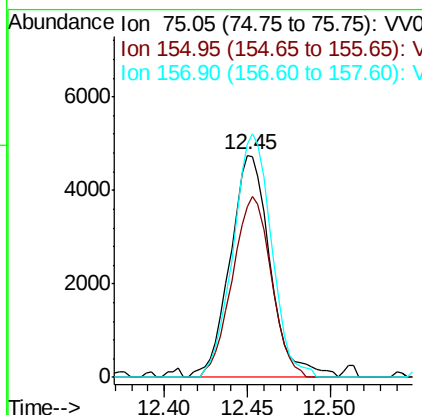
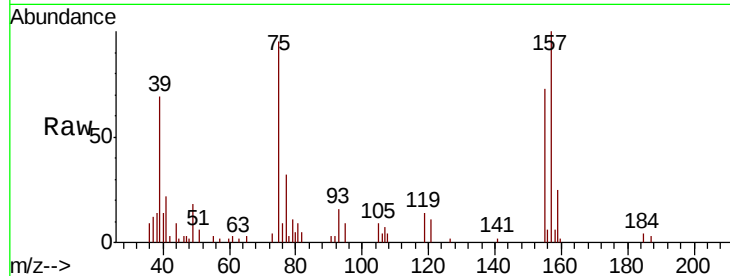




#67
 1,2-Dibromo-3-chloropropane
 Concen: 5.838 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

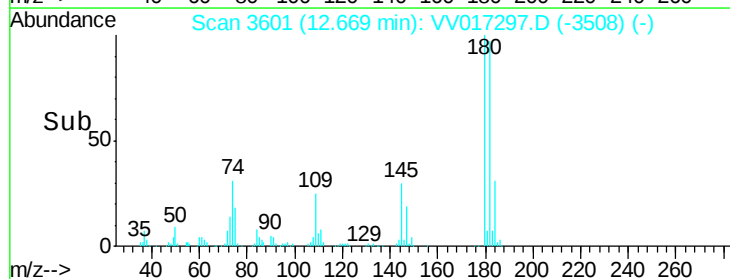
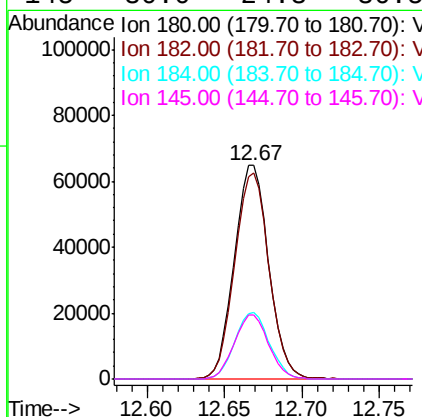
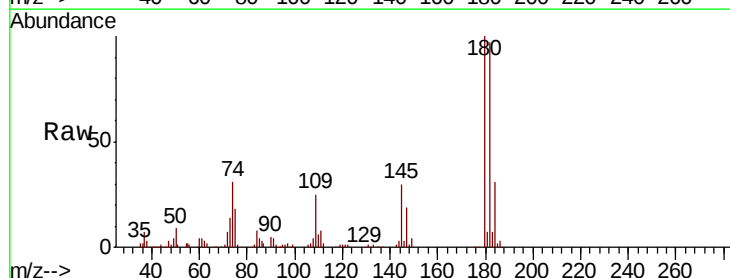
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

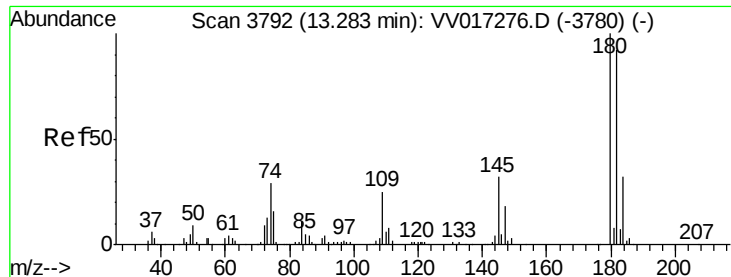
Tot Ion: 75 Resp: 7981
 Ion Ratio Lower Upper
 75 100
 155 77.1 71.1 106.7
 157 105.1 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.588 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Tgt Ion: 180 Resp: 100375
 Ion Ratio Lower Upper
 180 100
 182 96.2 77.4 116.2
 184 31.1 24.2 36.4
 145 30.0 24.3 36.5





#69

1,2,4-trichlorobenzene

Concen: 4.579 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00543

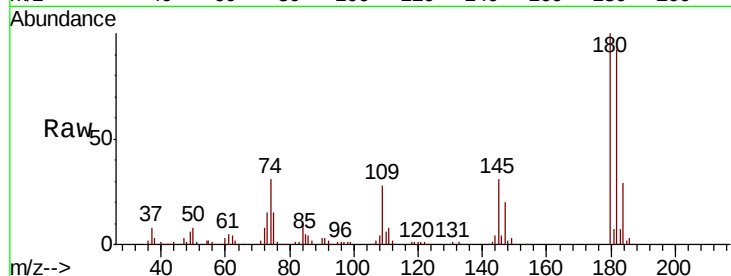
Tot Ion:180 Resp: 82464

Ion Ratio Lower Upper

180 100

182 93.3 76.6 114.8

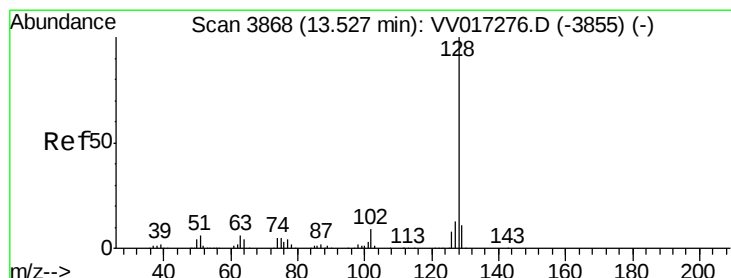
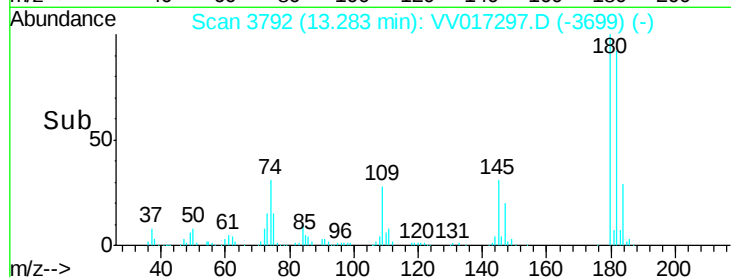
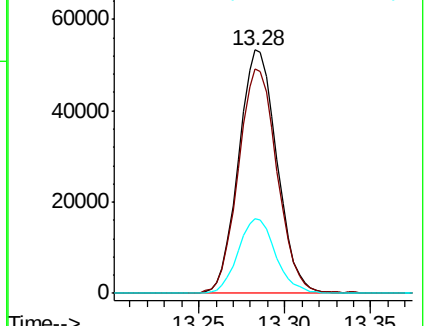
145 30.3 25.0 37.6



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



#70

Naphthalene

Concen: 4.798 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV017297.D

Acq: 01 Jul 2020 20:27

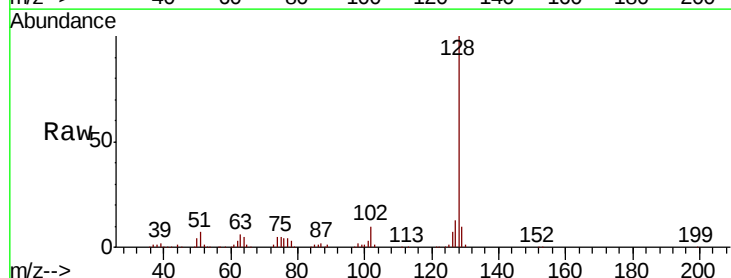
Tgt Ion:128 Resp: 122017

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

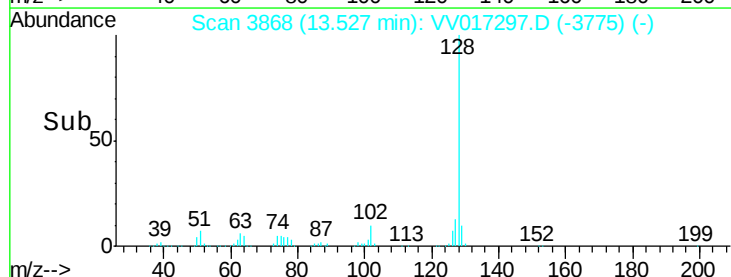
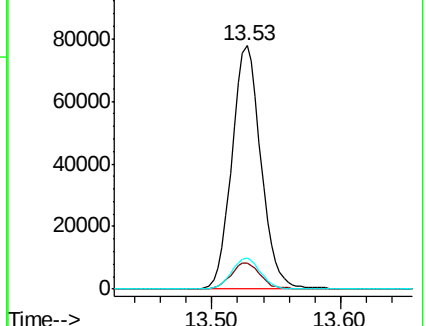
127 12.7 10.5 15.7

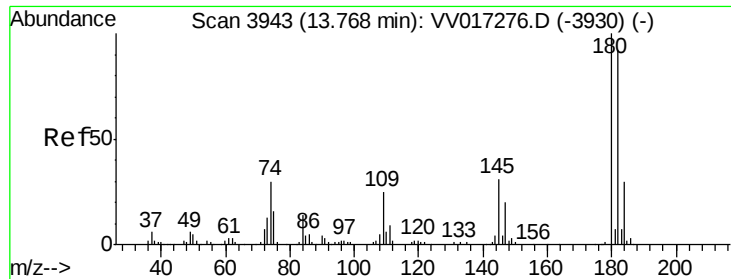


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

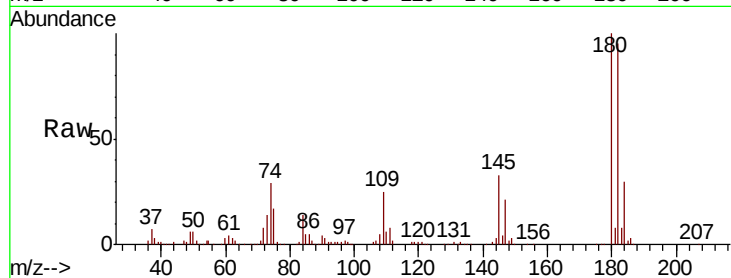




#71
 1,2,3-Trichlorobenzene
 Concen: 5.062 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017297.D
 Acq: 01 Jul 2020 20:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00543

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.4	116.0
145	32.7	25.9	38.9



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

