

Data File : VV019435.D
Acq On : 23 Nov 2020 21:21
Operator : SY/MD
Sample : VSTDCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Quant Time: Nov 24 05:29:53 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112320WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 24 05:27:09 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	363344	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	365352	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	203412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	171438	47.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.48%
7) Chloroethane-d5	1.57	69	143964	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.48%
11) 1,1-Dichloroethene-d2	2.12	63	317748	49.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.38%
21) 2-Butanone-d5	3.89	46	231114	104.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.49%
24) Chloroform-d	4.37	84	299028	50.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.94%
26) 1,2-Dichloroethane-d4	5.05	65	196468	51.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.32%
32) Benzene-d6	5.07	84	555955	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
36) 1,2-Dichloropropane-d6	6.09	67	187445	52.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.30%
41) Toluene-d8	7.33	98	501011	51.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.54%
43) trans-1,3-Dichloropropene-	7.64	79	90908	52.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.74%
47) 2-Hexanone-d5	8.10	63	155220	109.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.61%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	245428	52.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.52%
64) 1,2-Dichlorobenzene-d4	11.65	152	193502	48.98	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.96%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	137703	46.888	ug/L	98
3) Chloromethane	1.25	50	202158	51.185	ug/L	99
5) Vinyl chloride	1.32	62	192601	51.037	ug/L	99
6) Bromomethane	1.52	94	124031	50.414	ug/L	98
8) Chloroethane	1.59	64	124825	51.973	ug/L	100
9) Trichlorofluoromethane	1.76	101	233127	49.202	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	118679	46.578	ug/L	99
12) 1,1-Dichloroethene	2.13	96	133393	50.285	ug/L	91
13) Acetone	2.17	43	160457	94.879	ug/L	98
14) Carbon disulfide	2.31	76	380970	49.479	ug/L	99
15) Methyl Acetate	2.44	43	179973	52.559	ug/L	98
16) Methylene chloride	2.52	84	156243	50.850	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	135533	51.657	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	447294	53.613	ug/L	99
19) 1,1-Dichloroethane	3.21	63	284890	52.936	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	150465	52.186	ug/L	98
22) 2-Butanone	3.98	43	240943	107.427	ug/L	97

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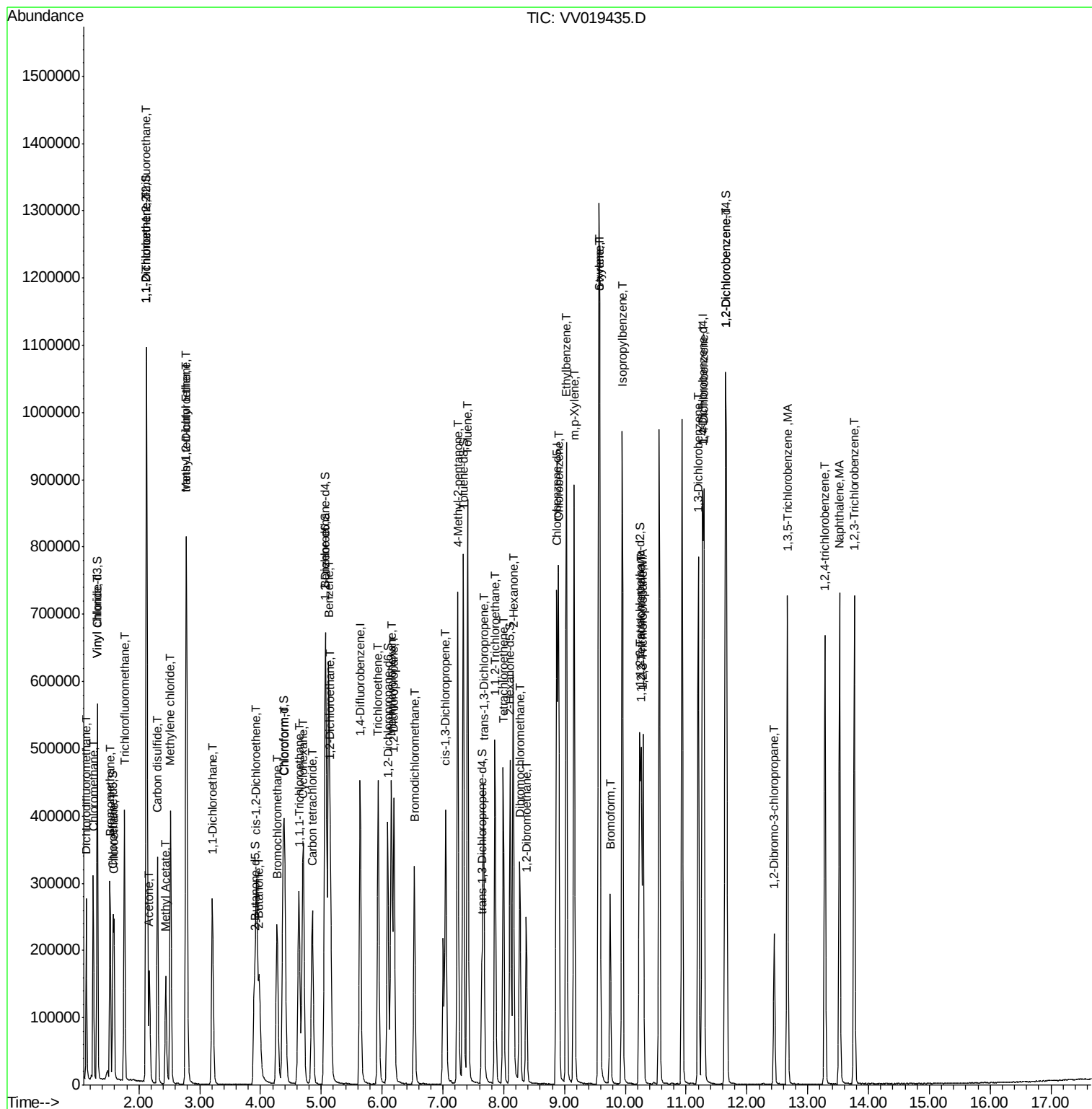
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	78467	51.387	ug/L	96
25) Chloroform	4.40	83	279830	51.437	ug/L	99
27) 1,2-Dichloroethane	5.15	62	229083	53.667	ug/L	99
29) Cyclohexane	4.70	56	187221	48.953	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	234469	53.130	ug/L	100
31) Carbon tetrachloride	4.85	117	193559	51.089	ug/L	100
33) Benzene	5.12	78	593287	54.262	ug/L	100
34) Trichloroethene	5.94	95	154861	50.790	ug/L	99
35) Methylcyclohexane	6.15	83	172298	48.022	ug/L	100
37) 1,2-Dichloropropane	6.19	63	167024	55.384	ug/L	99
38) Bromodichloromethane	6.53	83	212788	53.219	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	241820	54.285	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	479847	112.839	ug/L	100
42) Toluene	7.41	91	610926	53.864	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	243752	54.934	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	151720	53.726	ug/L	99
46) Tetrachloroethene	7.99	164	102727	48.511	ug/L	96
48) 2-Hexanone	8.15	43	383848	113.967	ug/L	98
49) Dibromochloromethane	8.26	129	163153	52.275	ug/L	99
50) 1,2-Dibromoethane	8.37	107	157839	52.665	ug/L	99
51) Chlorobenzene	8.90	112	378872	50.635	ug/L	98
52) Ethylbenzene	9.03	91	635096	52.177	ug/L	100
53) m,p-Xylene	9.16	106	231273	51.353	ug/L	100
54) o-xylene	9.56	106	229188	52.266	ug/L	98
55) Styrene	9.58	104	434321	55.329	ug/L	98
56) Isopropylbenzene	9.95	105	586169	51.022	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	234230	54.264	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	206791	52.201	ug/L	99
61) Bromoform	9.75	173	121551	52.269	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	299709	50.647	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	305038	49.043	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	309738	50.982	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	55940	53.210	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	215365	49.996	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	196488	51.520	ug/L	100
69) Naphthalene	13.52	128	535478	55.215	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	211099	52.955	ug/L	100

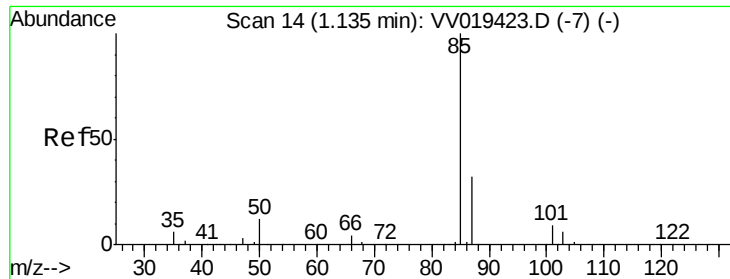
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 46.888 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

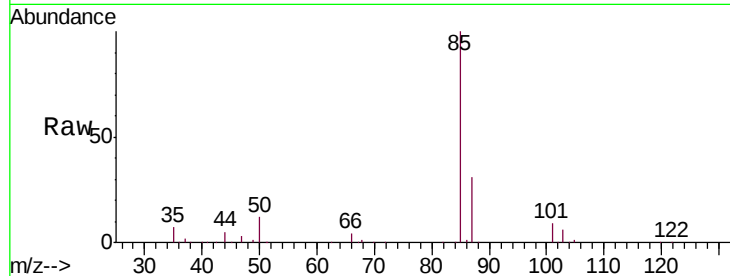
VSTD05070

Tgt Ion: 85 Resp: 137703

Ion Ratio Lower Upper

85 100

87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

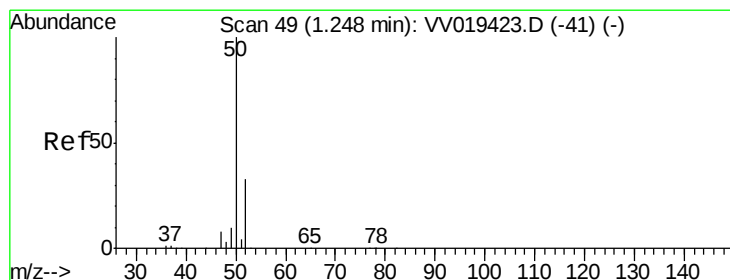
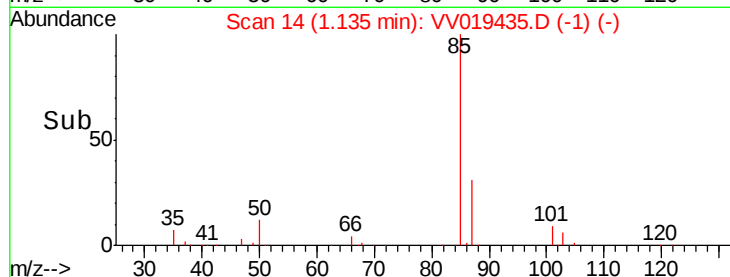
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.185 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019435.D

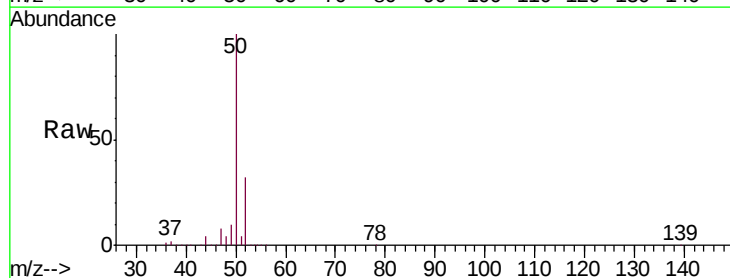
Acq: 23 Nov 2020 21:21

Tgt Ion: 50 Resp: 202158

Ion Ratio Lower Upper

50 100

52 32.3 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

200000

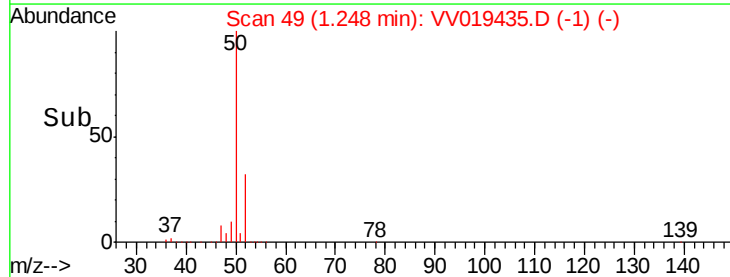
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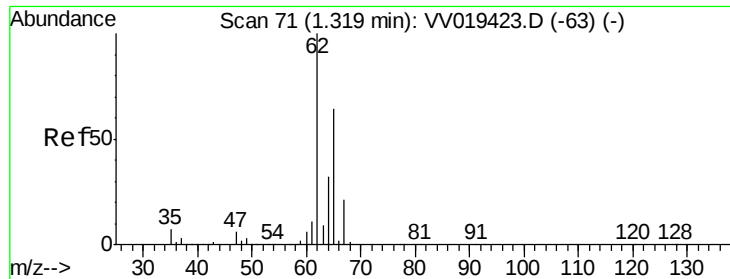
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 51.037 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

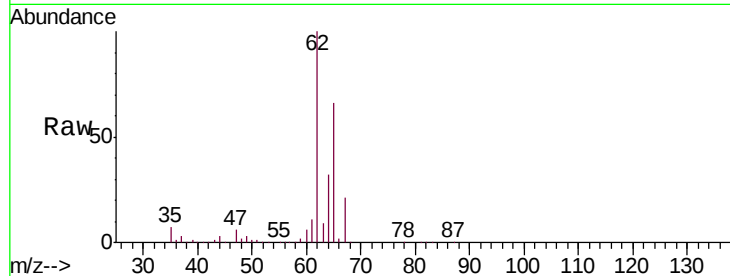
VSTD05070

Tgt Ion: 62 Resp: 192601

Ion Ratio Lower Upper

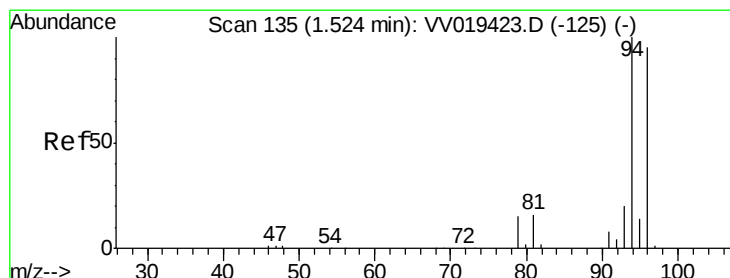
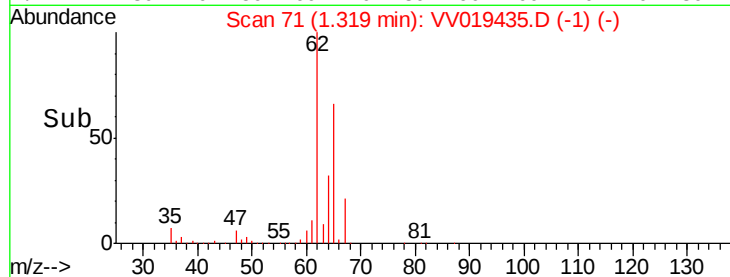
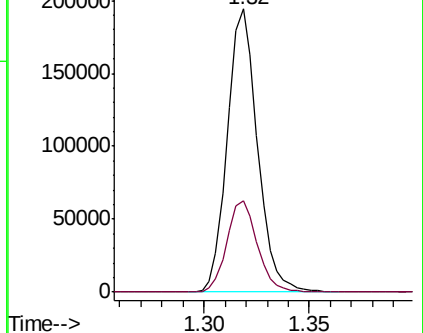
62 100

64 32.4 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 50.414 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019435.D

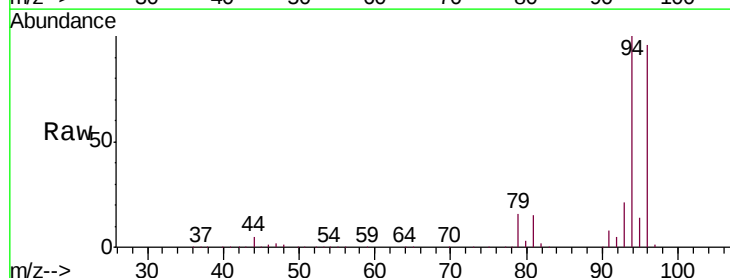
Acq: 23 Nov 2020 21:21

Tgt Ion: 94 Resp: 124031

Ion Ratio Lower Upper

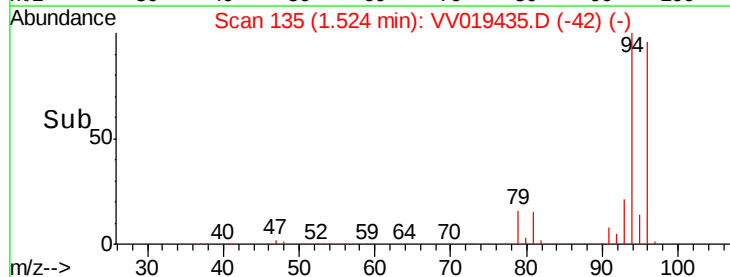
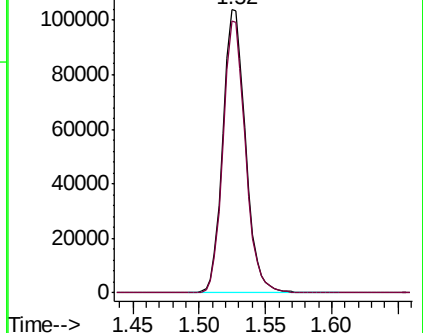
94 100

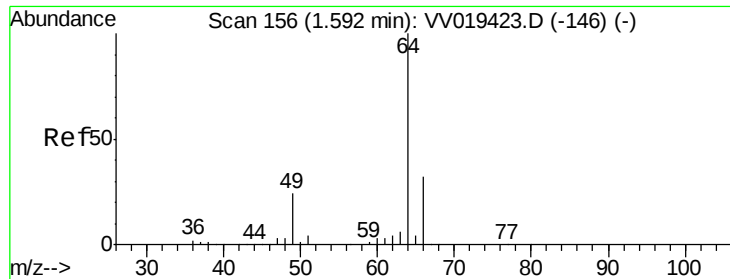
96 95.9 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 51.973 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

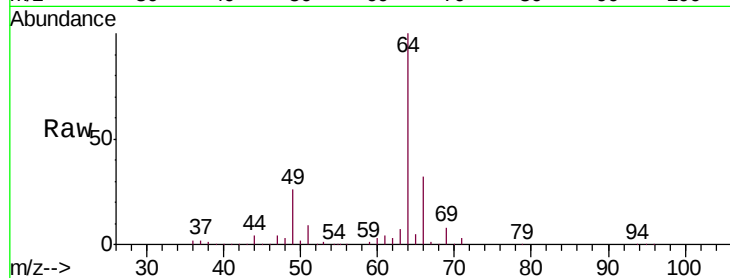
VSTD05070

Tgt Ion: 64 Resp: 124825

Ion Ratio Lower Upper

64 100

66 32.2 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV019423.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV019423.D (-146) (-)

1.59

120000

100000

80000

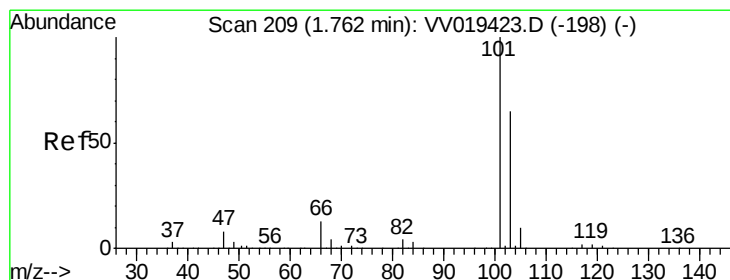
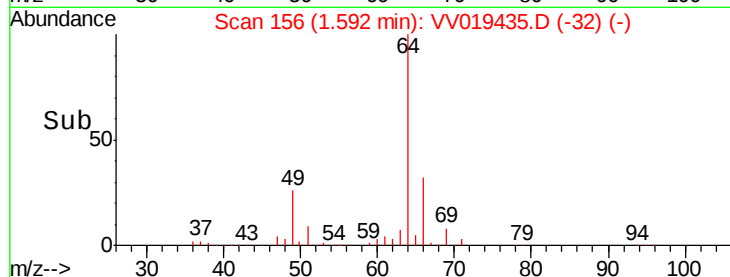
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 49.202 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV019435.D

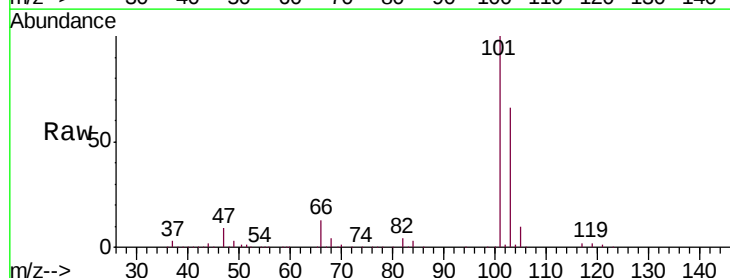
Acq: 23 Nov 2020 21:21

Tgt Ion: 101 Resp: 233127

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV019423.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV019423.D (-198) (-)

1.76

200000

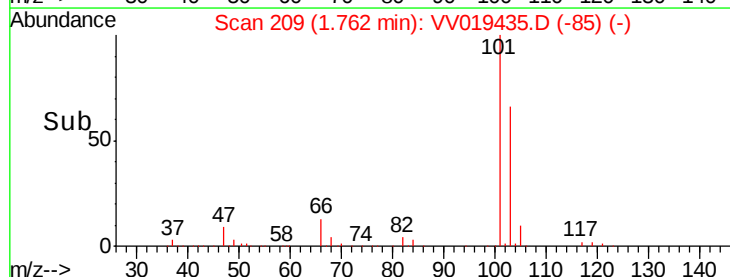
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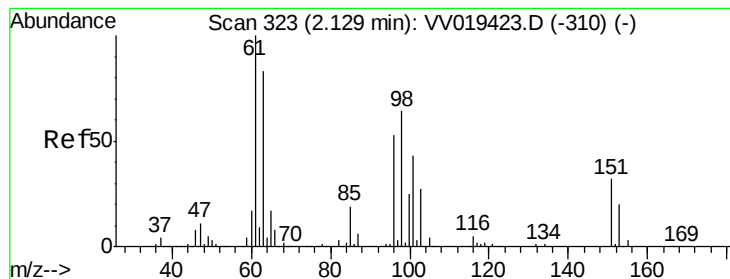
100000

50000

0

Time-->





#10

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

Concen: 46.578 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

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ClientSampleId :

VSTD05070

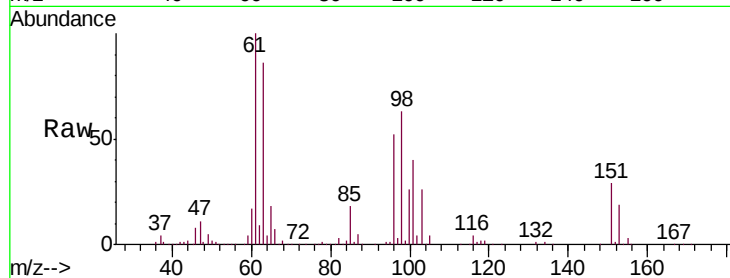
Tgt Ion: 101 Resp: 118679

Ion Ratio Lower Upper

101 100

85 44.8 35.5 53.3

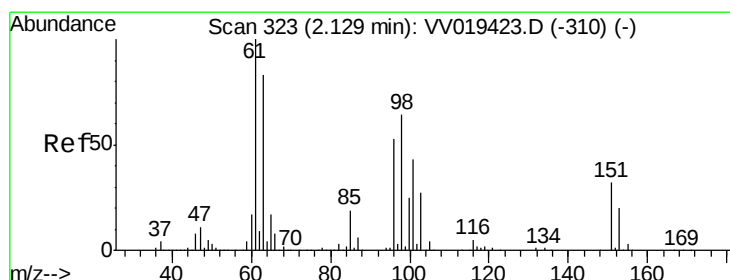
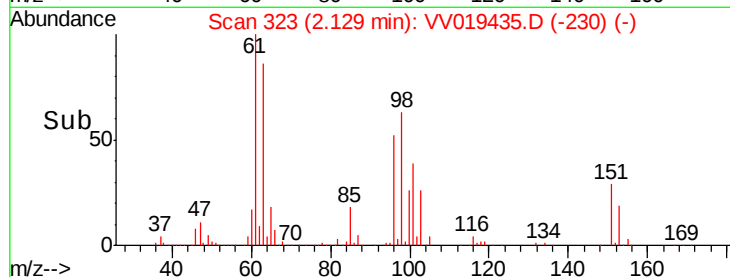
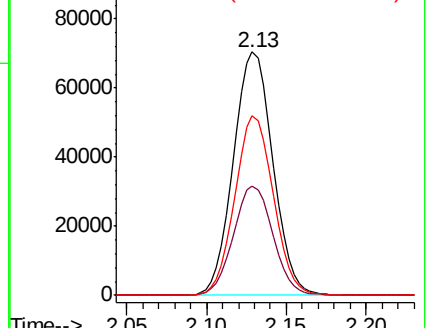
151 71.9 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV019423.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV019423.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV019423.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 50.285 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

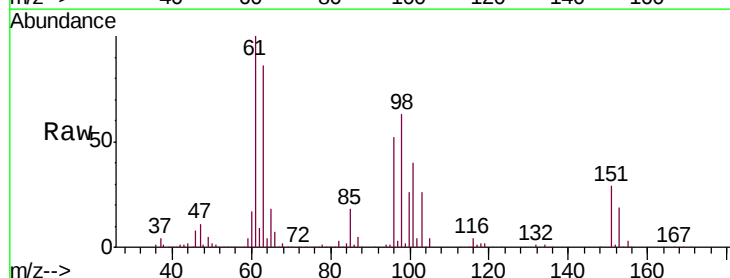
Tgt Ion: 96 Resp: 133393

Ion Ratio Lower Upper

96 100

61 194.0 130.0 241.4

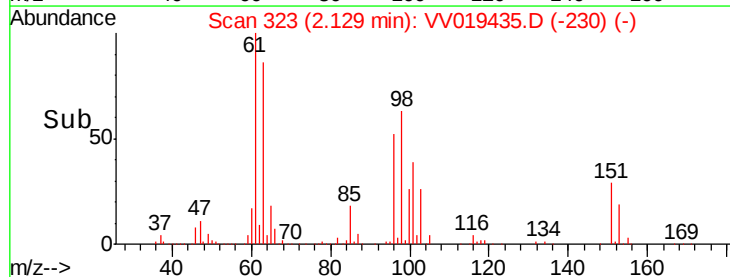
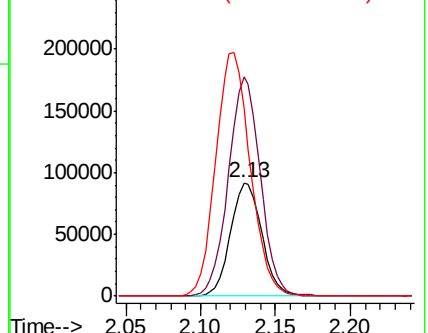
63 165.9 105.1 195.3

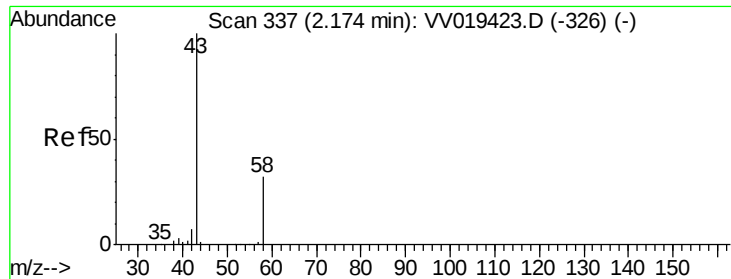


Abundance Ion 96.00 (95.70 to 96.70): VV019435.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV019435.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV019435.D (-230) (-)





#13

Acetone

Concen: 94.879 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

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Acq: 23 Nov 2020 21:21

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MSVOA_V

ClientSampleId :

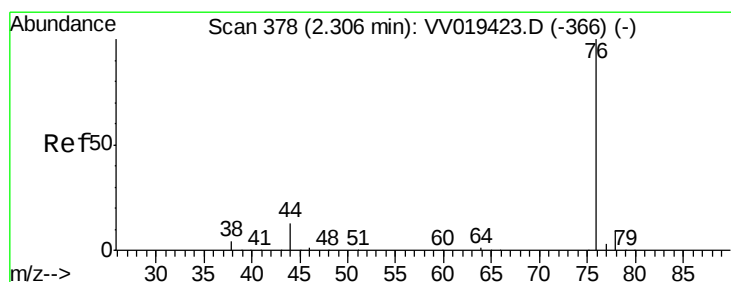
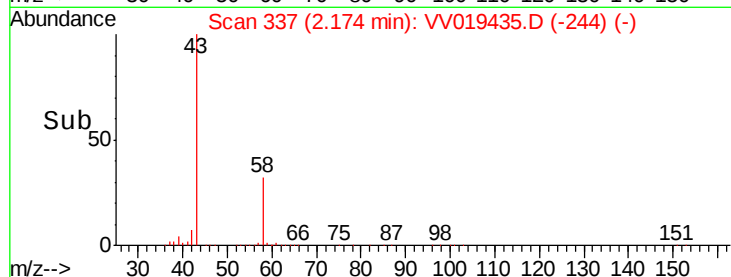
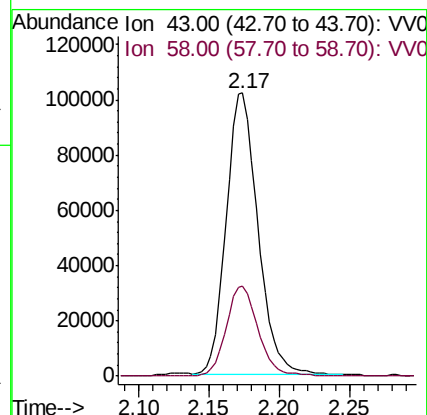
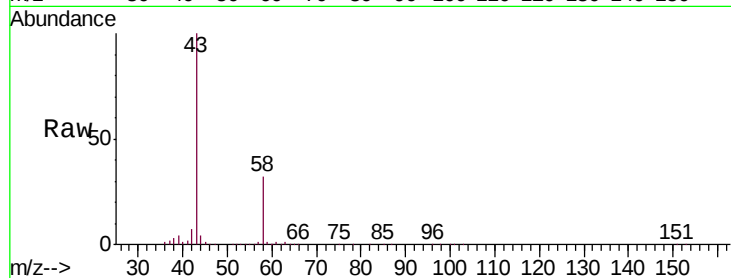
VSTD05070

Tgt Ion: 43 Resp: 160457

Ion Ratio Lower Upper

43 100

58 31.9 0.0 66.4



#14

Carbon disulfide

Concen: 49.479 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

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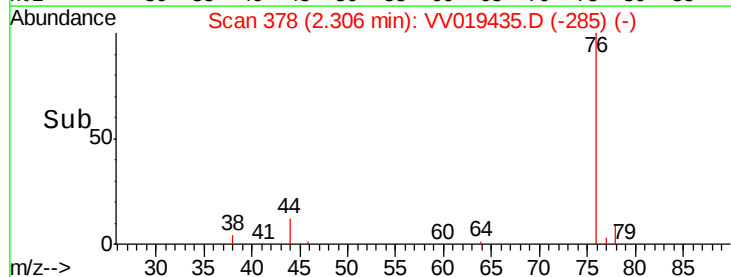
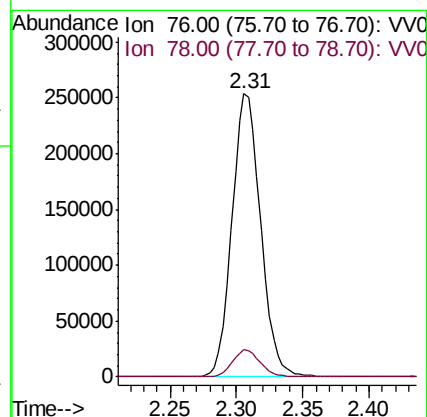
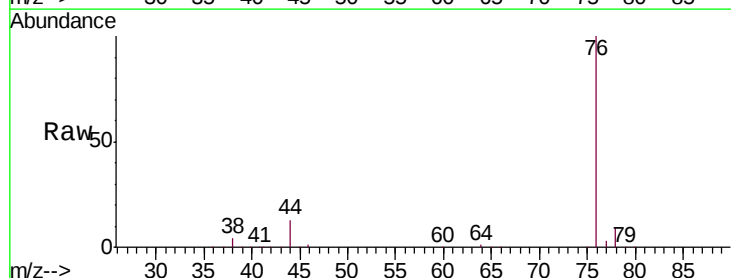
Acq: 23 Nov 2020 21:21

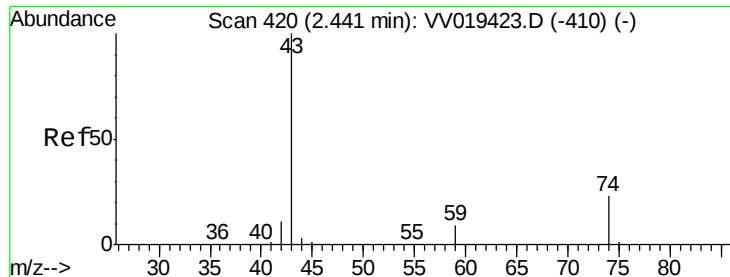
Tgt Ion: 76 Resp: 380970

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0

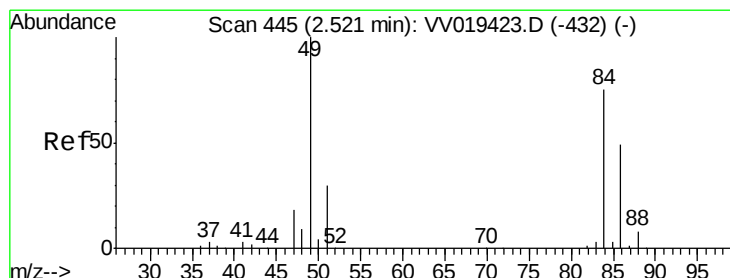
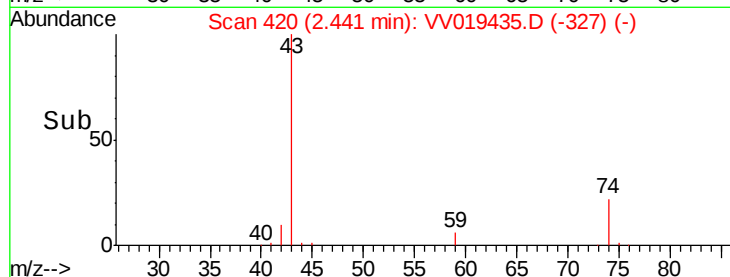
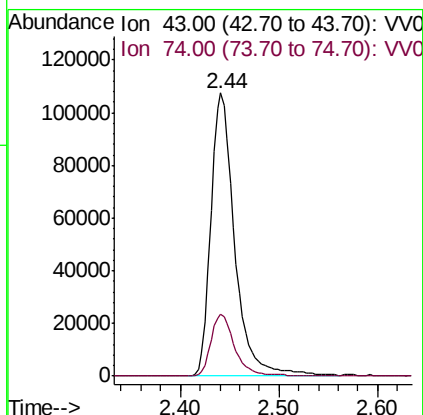
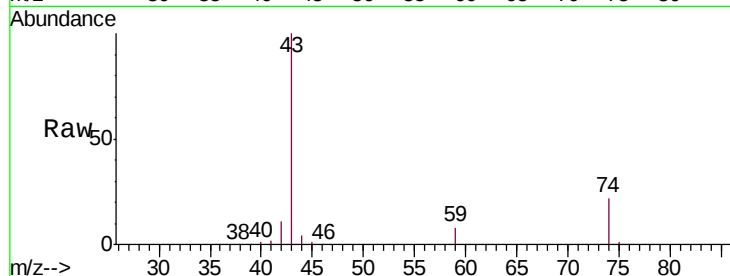




#15
Methyl Acetate
Concen: 52.559 ug/L
RT: 2.44 min Scan# 420
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

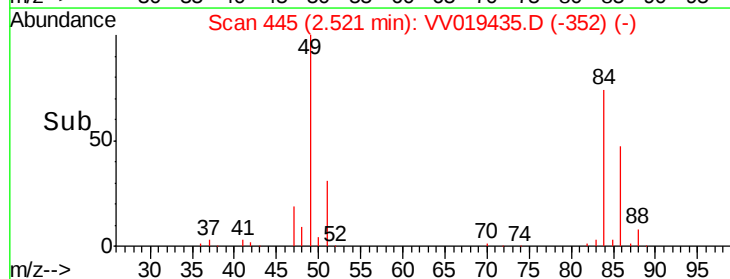
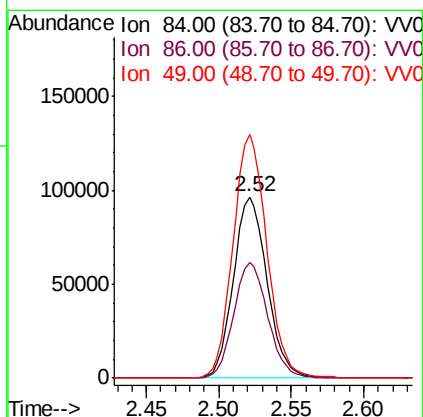
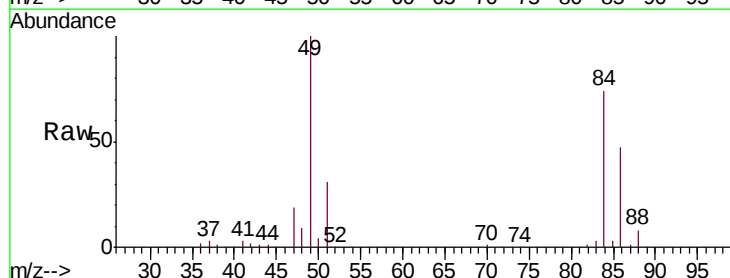
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

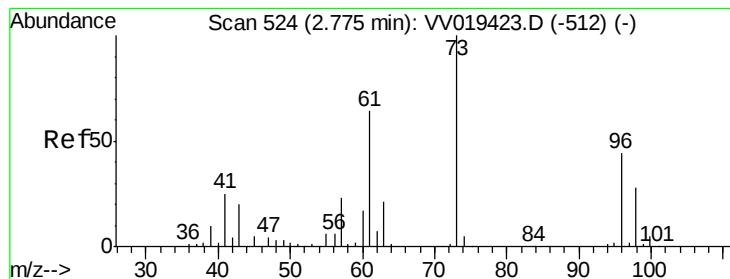
Tgt Ion: 43 Resp: 179973
Ion Ratio Lower Upper
43 100
74 21.5 17.8 26.8



#16
Methylene chloride
Concen: 50.850 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Tgt Ion: 84 Resp: 156243
Ion Ratio Lower Upper
84 100
86 63.7 45.8 85.2
49 134.3 92.0 170.9





#17

trans-1,2-Dichloroethene

Concen: 51.657 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

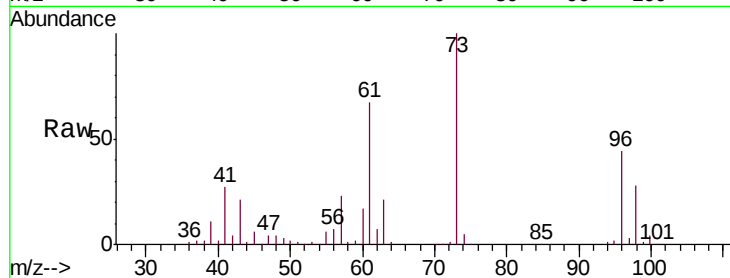
Tgt Ion: 96 Resp: 135533

Ion Ratio Lower Upper

96 100

61 152.6 103.7 192.5

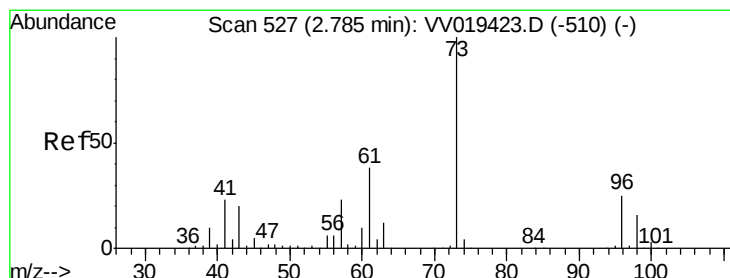
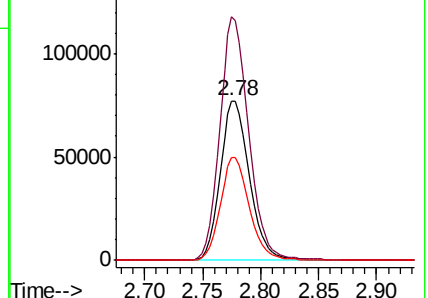
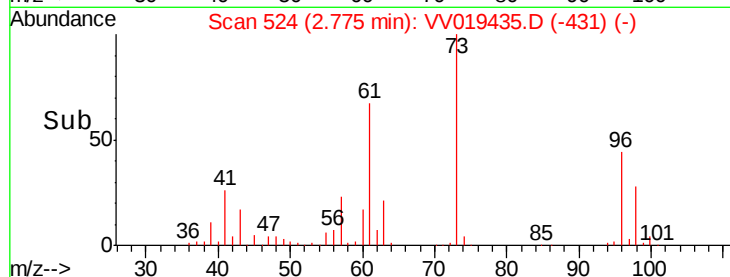
98 64.4 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 53.613 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

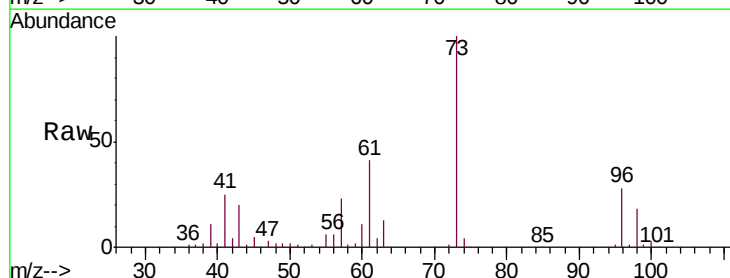
Tgt Ion: 73 Resp: 447294

Ion Ratio Lower Upper

73 100

43 20.3 15.6 23.4

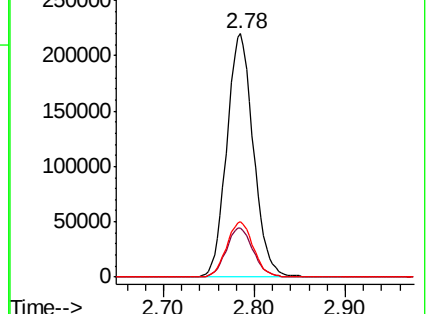
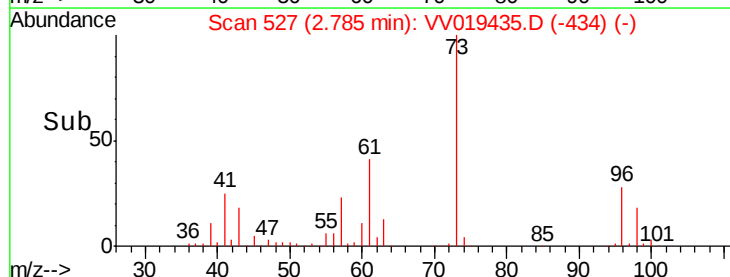
57 22.9 18.3 27.5

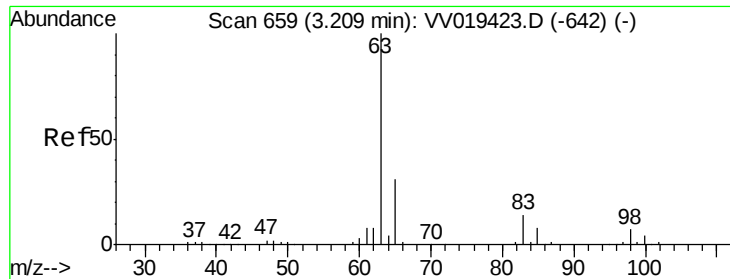


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

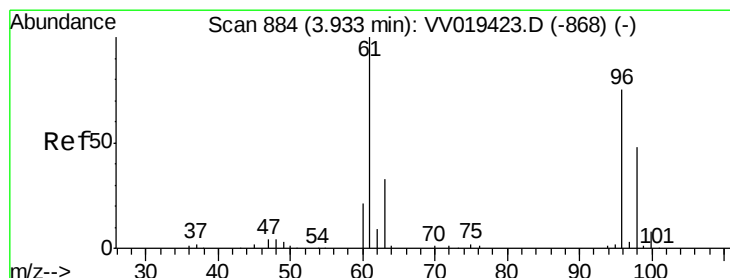
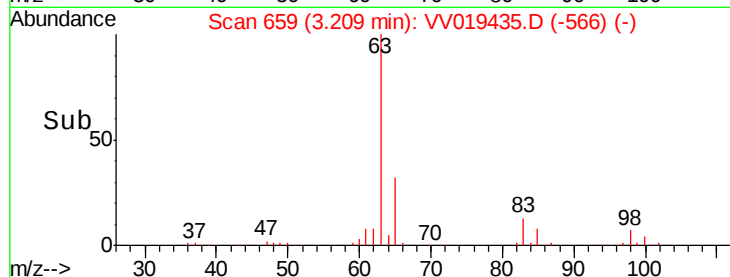
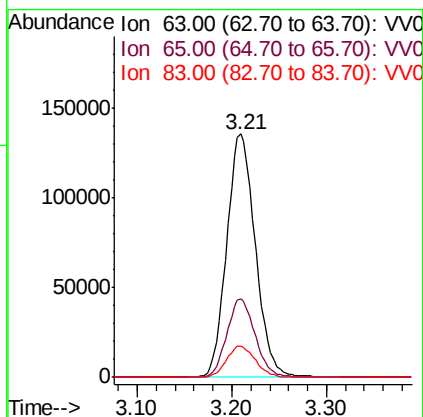
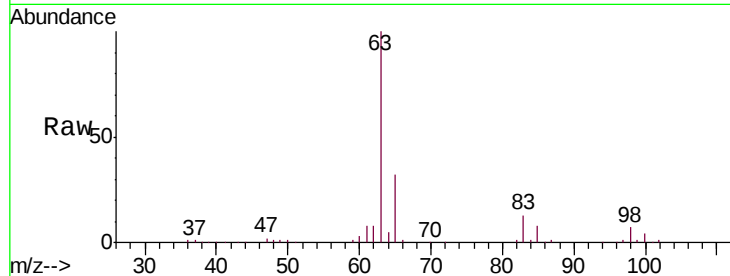




#19
 1,1-Dichloroethane
 Concen: 52.936 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

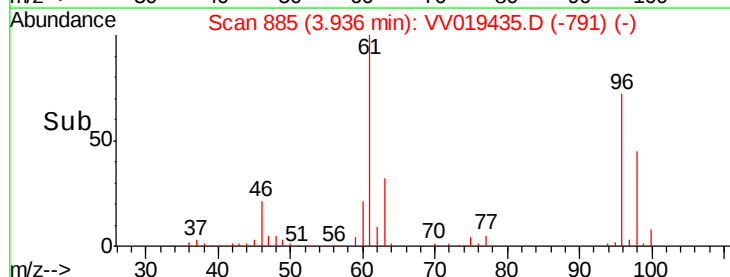
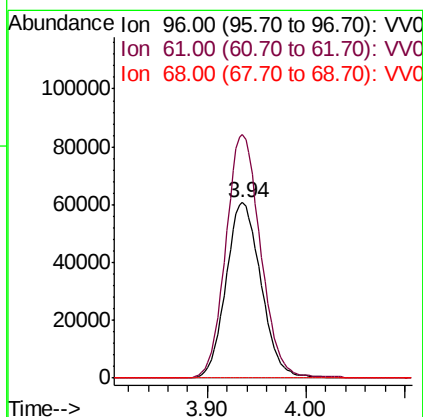
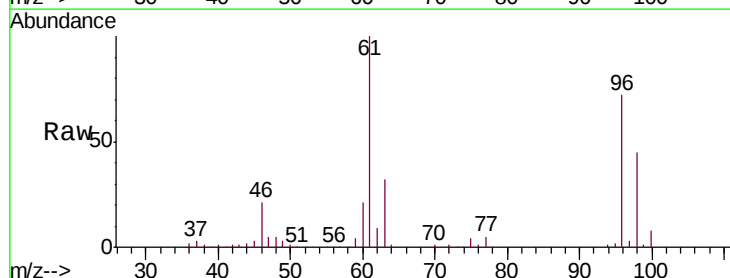
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

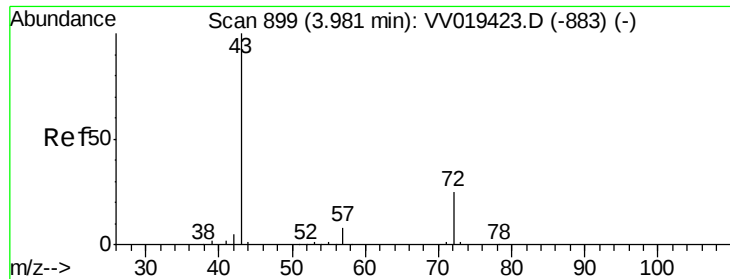
Tgt Ion: 63 Resp: 284890
 Ion Ratio Lower Upper
 63 100
 65 32.0 21.8 40.4
 83 12.7 9.8 18.2



#20
 cis-1,2-Dichloroethene
 Concen: 52.186 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Tgt Ion: 96 Resp: 150465
 Ion Ratio Lower Upper
 96 100
 61 138.9 95.5 177.3
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.427 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

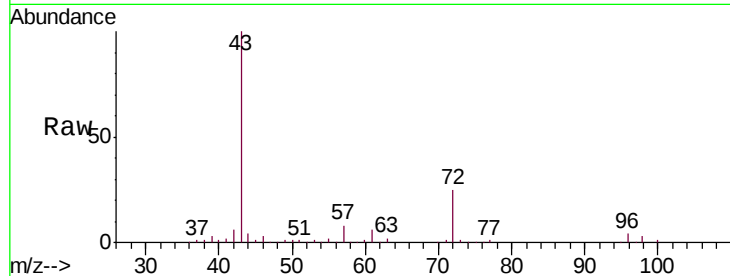
VSTD05070

Tgt Ion: 43 Resp: 240943

Ion Ratio Lower Upper

43 100

72 23.9 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV019423.D (-883) (-)

Ion 72.00 (71.70 to 72.70): VV019423.D (-883) (-)

3.98

80000

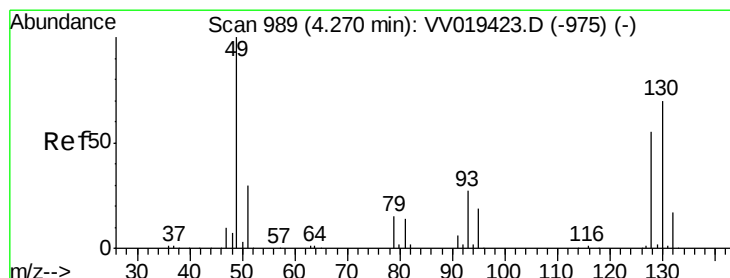
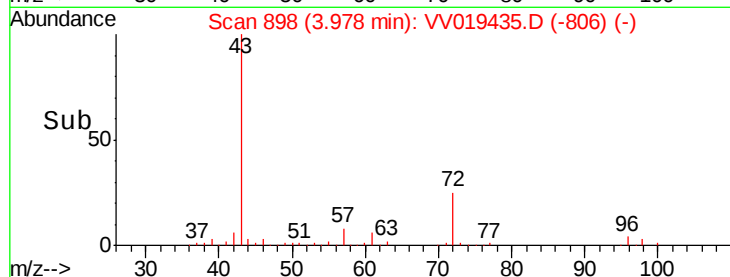
60000

40000

20000

0

Time-->



#23

Bromochloromethane

Concen: 51.387 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Tgt Ion: 128 Resp: 78467

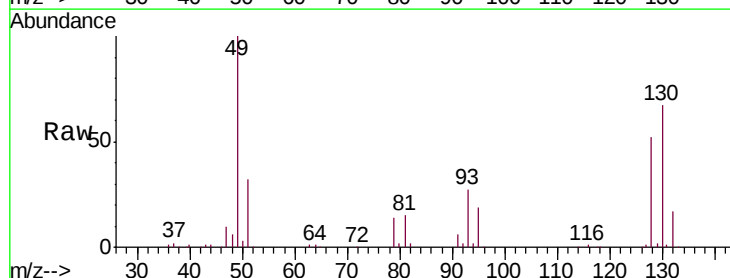
Ion Ratio Lower Upper

128 100

49 190.6 126.1 234.1

130 128.4 89.4 166.0

51 61.0 46.5 69.7



Abundance Ion 128.00 (127.70 to 128.70): VV019423.D (-975) (-)

Ion 49.00 (48.70 to 49.70): VV019423.D (-975) (-)

Ion 130.00 (129.70 to 130.70): VV019423.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VV019423.D (-975) (-)

80000

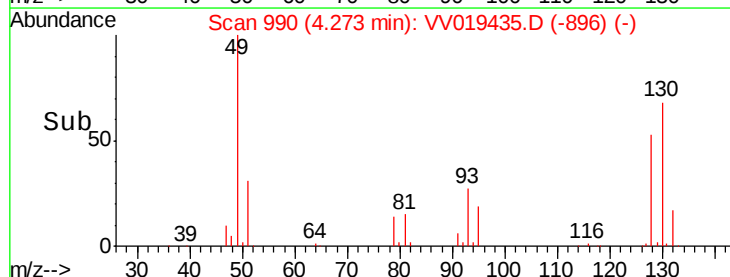
60000

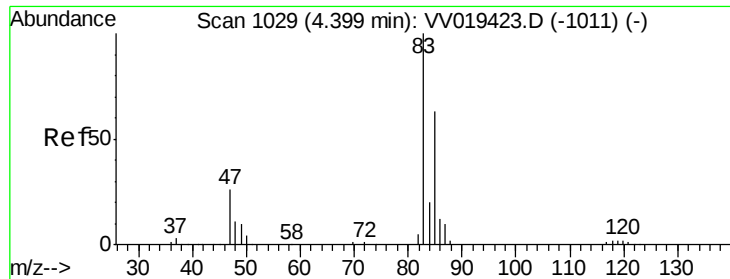
40000

20000

0

Time-->

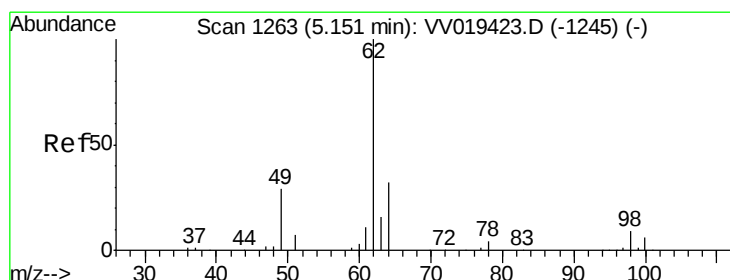
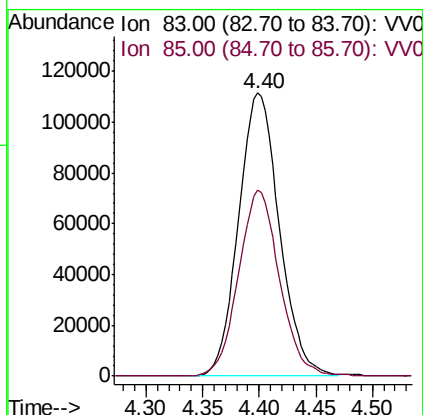
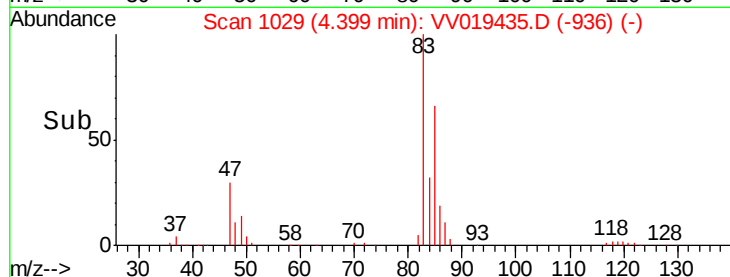
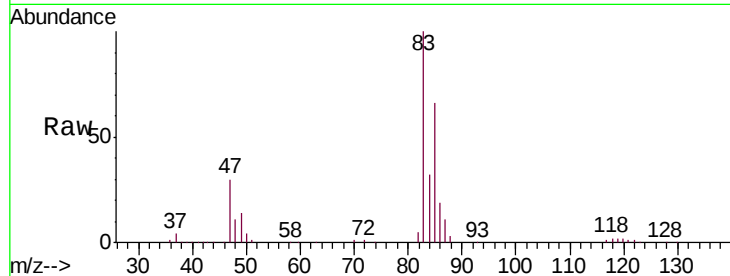




#25
Chloroform
Concen: 51.437 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

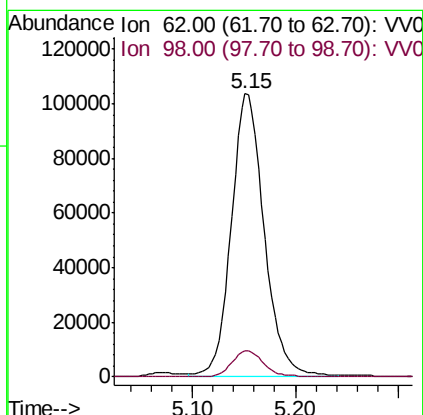
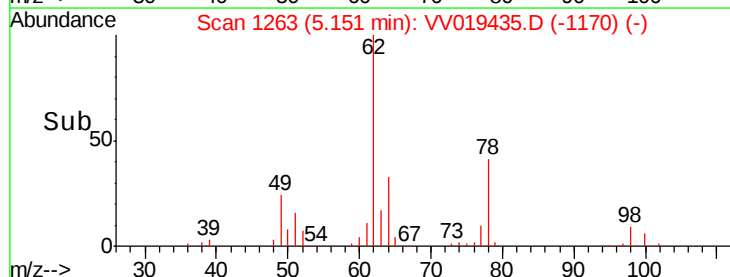
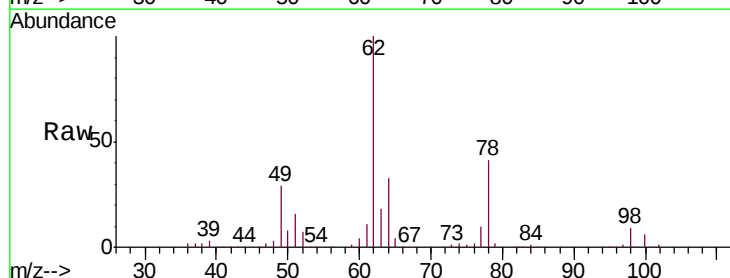
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

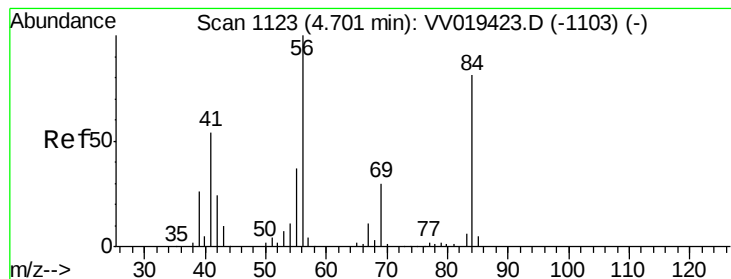
Tgt Ion: 83 Resp: 279830
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 53.667 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Tgt Ion: 62 Resp: 229083
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4





#29

Cyclohexane

Concen: 48.953 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

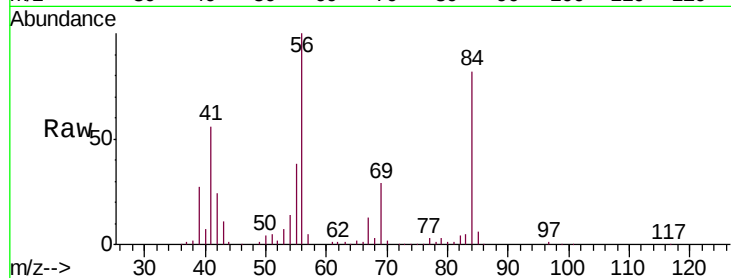
Tgt Ion: 56 Resp: 187221

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

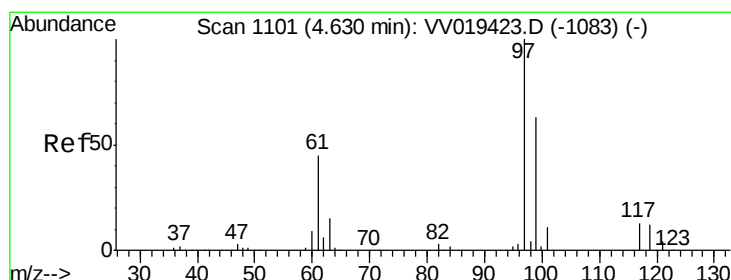
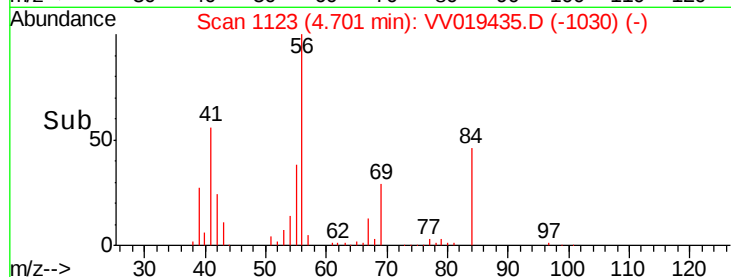
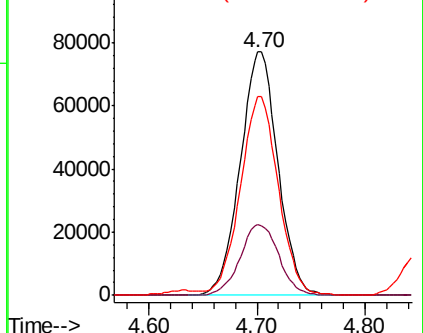
84 82.0 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 53.130 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

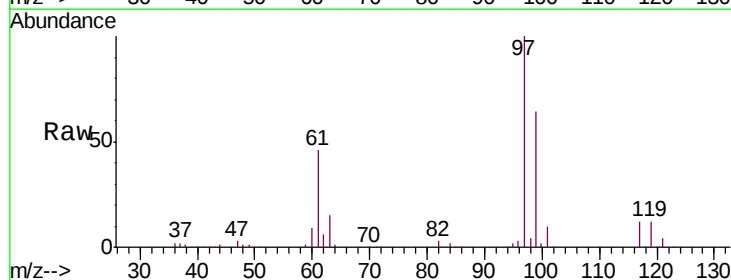
Tgt Ion: 97 Resp: 234469

Ion Ratio Lower Upper

97 100

99 63.5 51.0 76.6

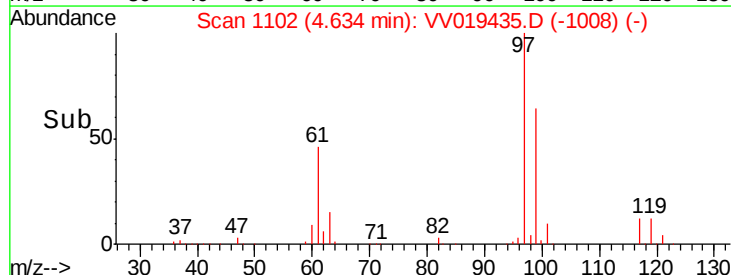
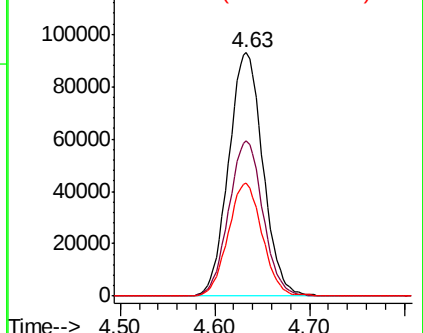
61 46.1 36.9 55.3

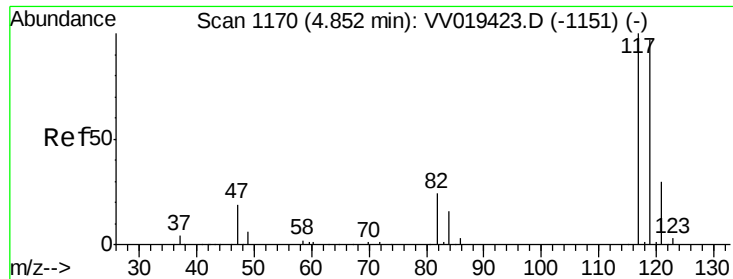


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

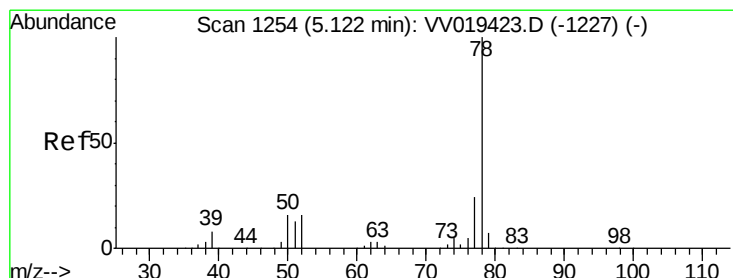
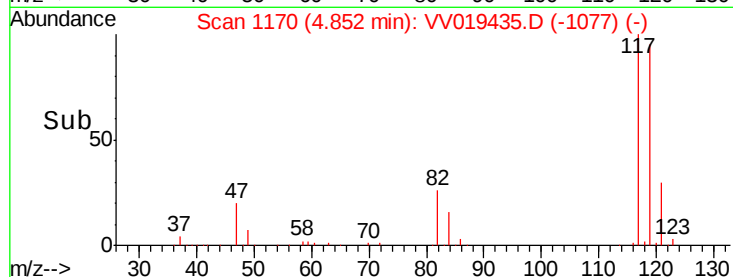
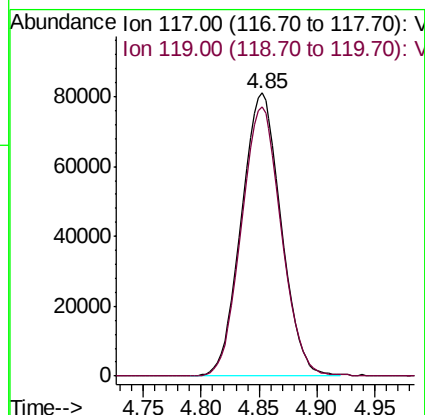
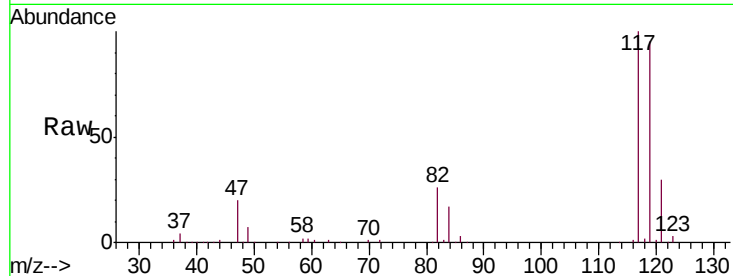




#31
Carbon tetrachloride
Concen: 51.089 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

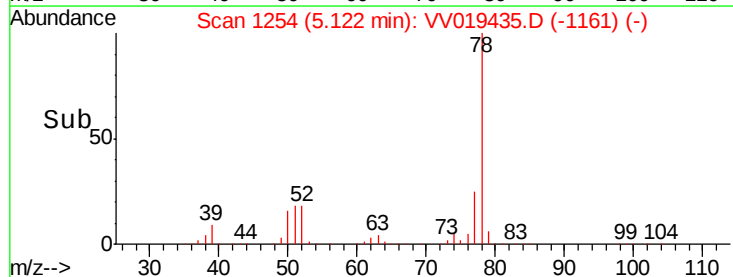
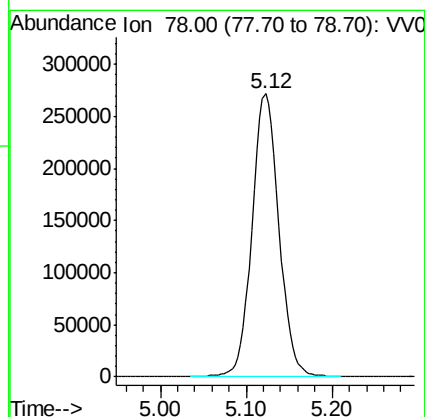
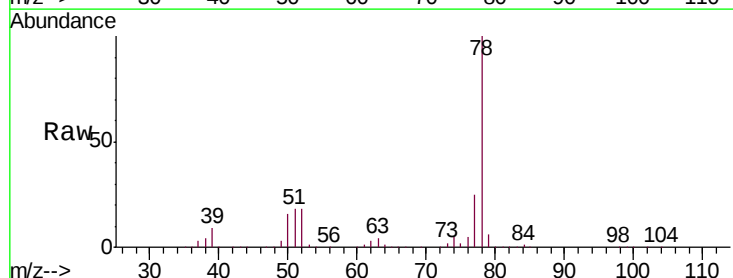
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

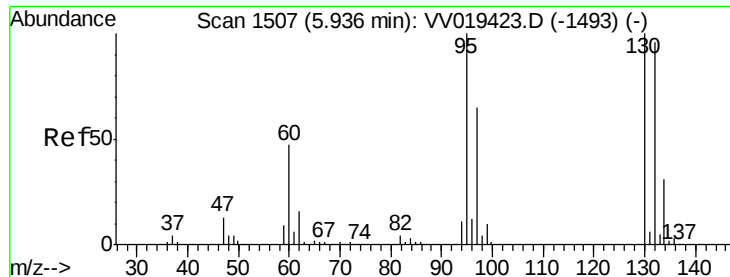
Tgt Ion:117 Resp: 193559
Ion Ratio Lower Upper
117 100
119 95.5 76.2 114.4



#33
Benzene
Concen: 54.262 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Tgt Ion: 78 Resp: 593287





#34

Trichloroethene

Concen: 50.790 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 95 Resp: 154861

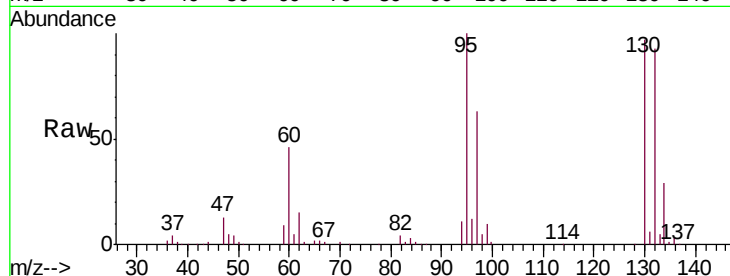
Ion Ratio Lower Upper

95 100

97 63.1 43.8 81.3

132 93.5 65.6 121.8

130 96.6 69.2 128.6

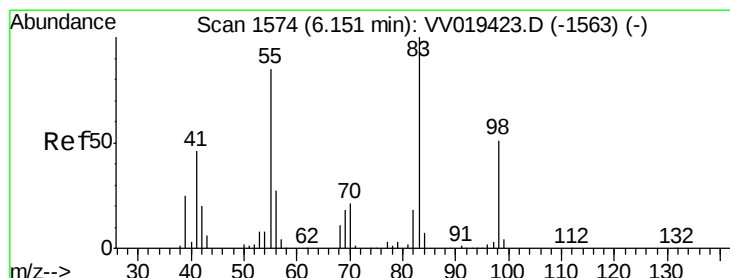
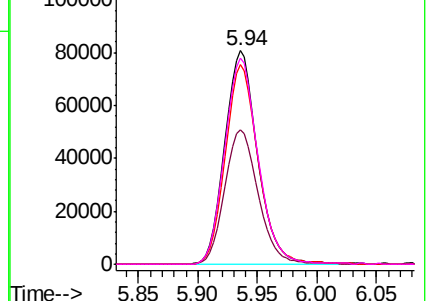
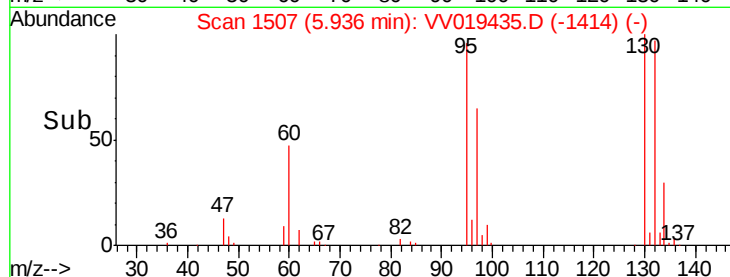


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 48.022 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

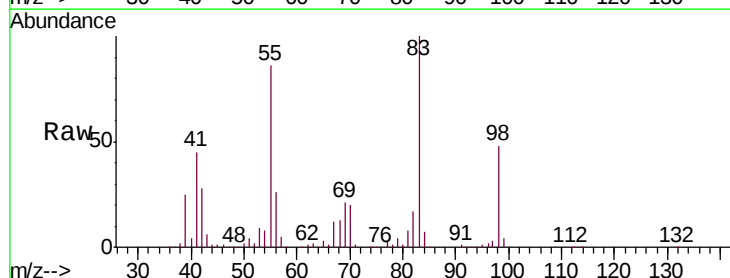
Tgt Ion: 83 Resp: 172298

Ion Ratio Lower Upper

83 100

55 84.8 67.4 101.2

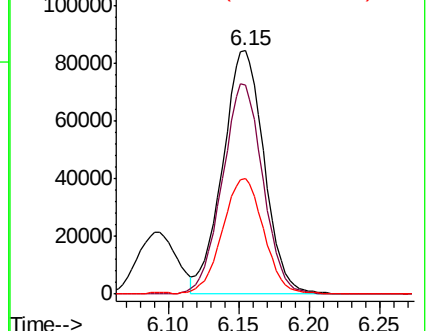
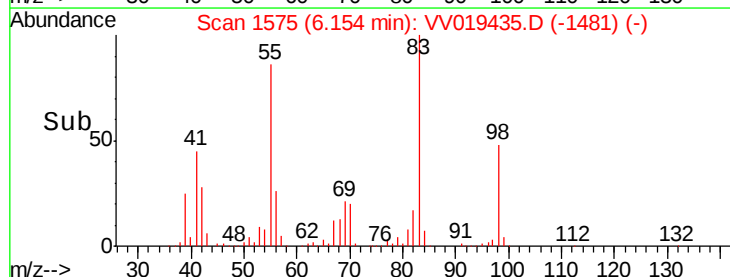
98 47.9 38.3 57.5

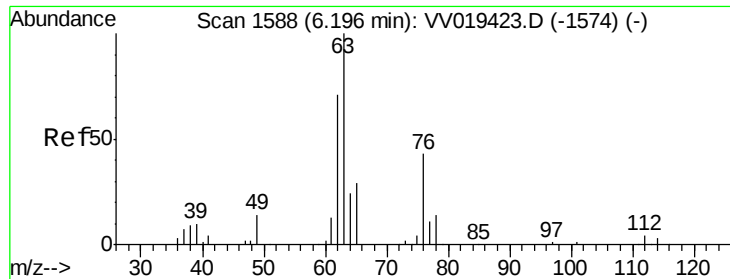


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

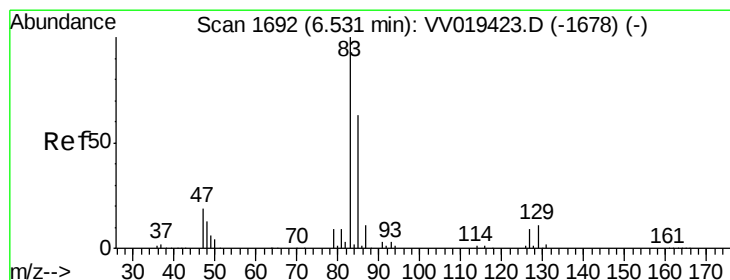
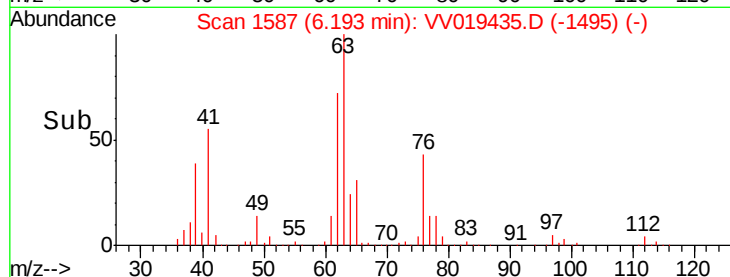
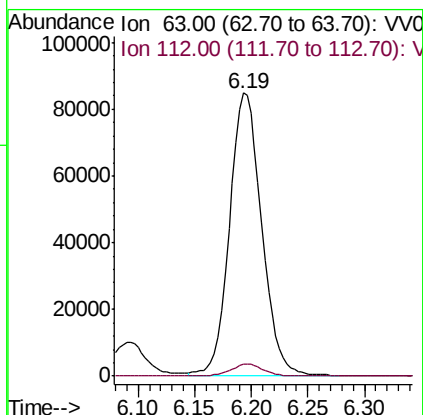
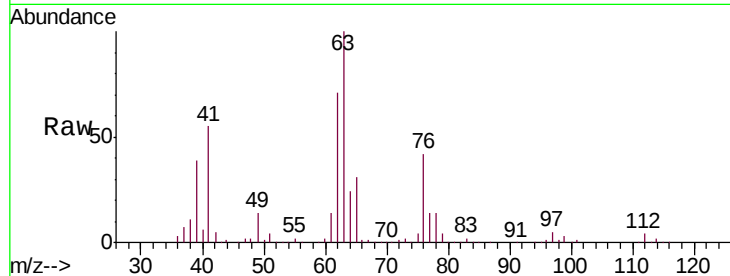




#37
 1,2-Dichloropropane
 Concen: 55.384 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

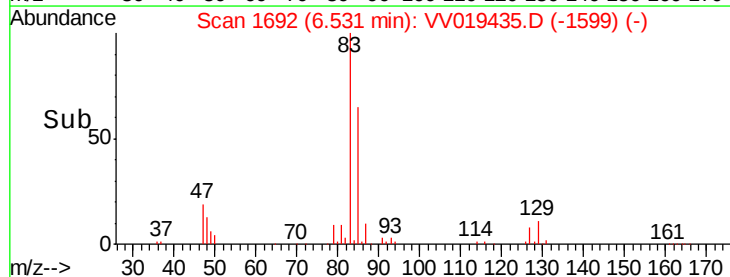
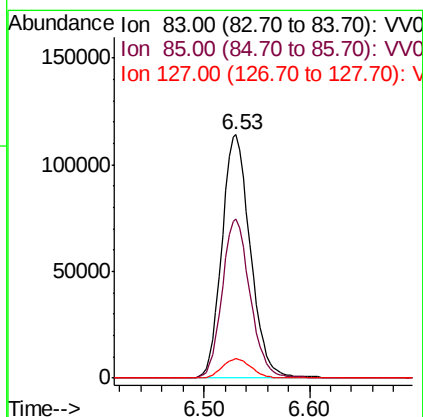
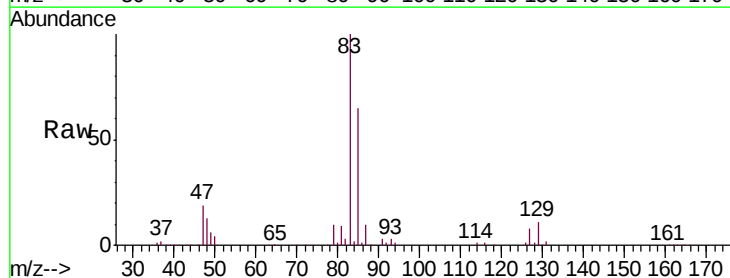
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

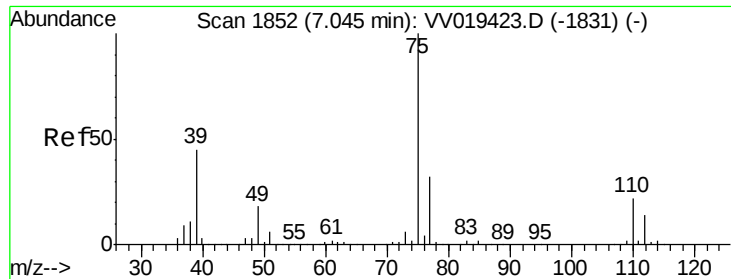
Tgt Ion: 63 Resp: 167024
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 53.219 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Tgt Ion: 83 Resp: 212788
 Ion Ratio Lower Upper
 83 100
 85 65.3 45.3 84.1
 127 8.0 6.6 9.8

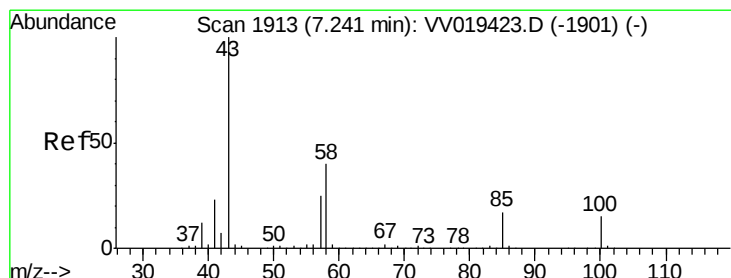
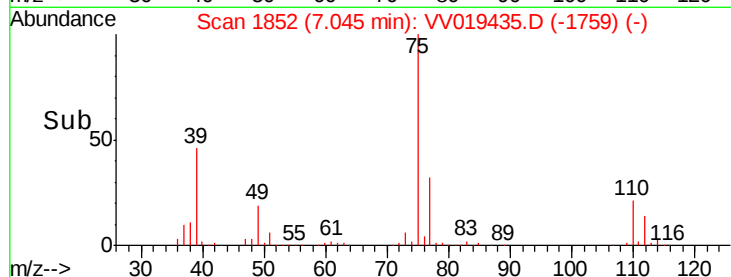
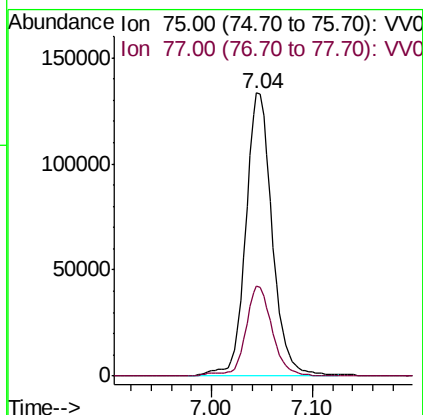
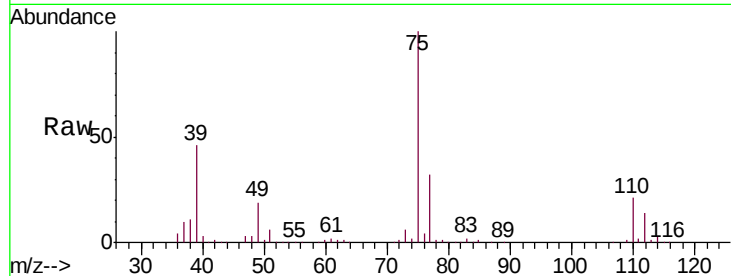




#39
 cis-1,3-Dichloropropene
 Concen: 54.285 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

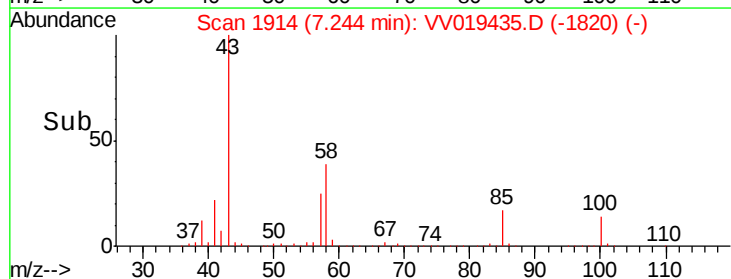
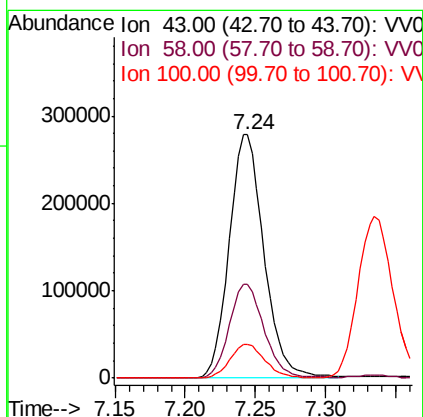
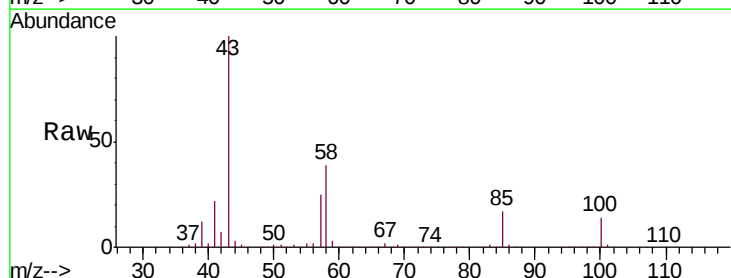
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05070

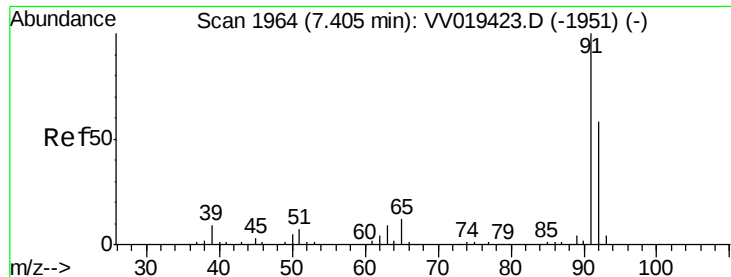
Tgt Ion: 75 Resp: 241820
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 112.839 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Tgt Ion: 43 Resp: 479847
 Ion Ratio Lower Upper
 43 100
 58 38.8 31.0 46.4
 100 14.1 11.7 17.5





#42

Toluene

Concen: 53.864 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

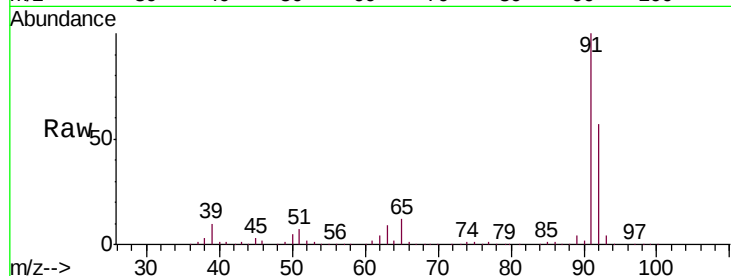
VSTD05070

Tgt Ion: 91 Resp: 610926

Ion Ratio Lower Upper

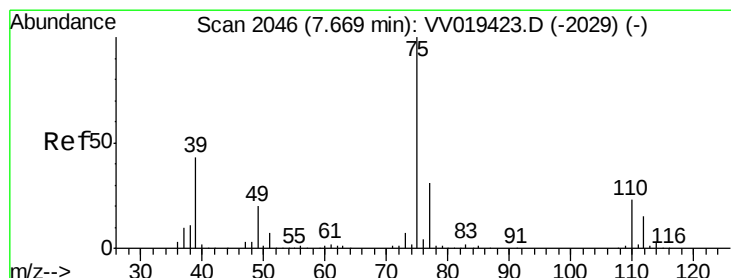
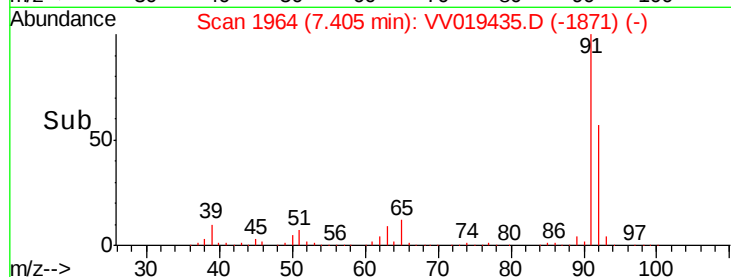
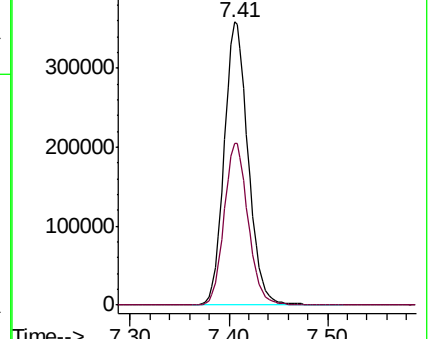
91 100

92 57.2 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 54.934 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV019435.D

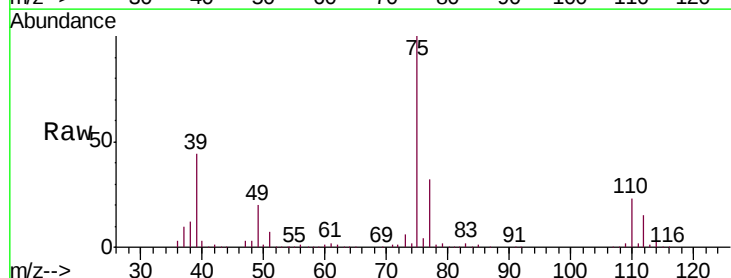
Acq: 23 Nov 2020 21:21

Tgt Ion: 75 Resp: 243752

Ion Ratio Lower Upper

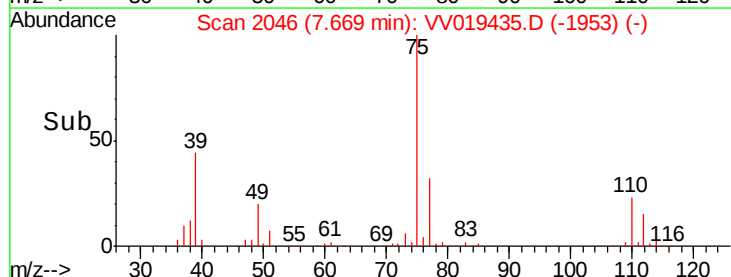
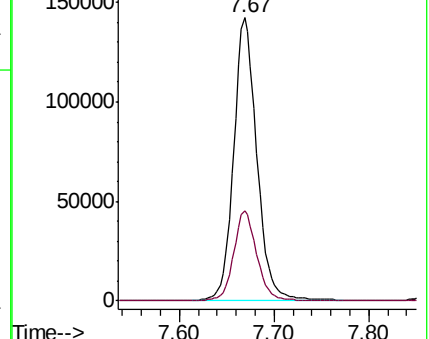
75 100

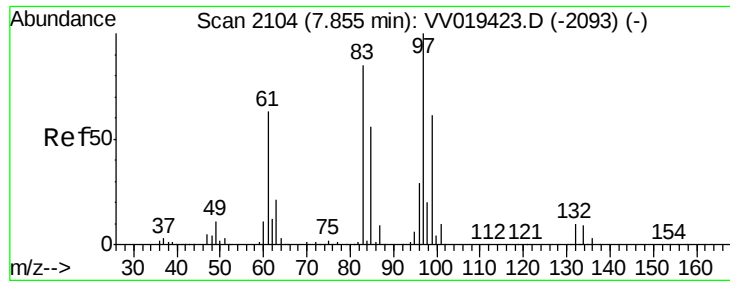
77 31.9 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

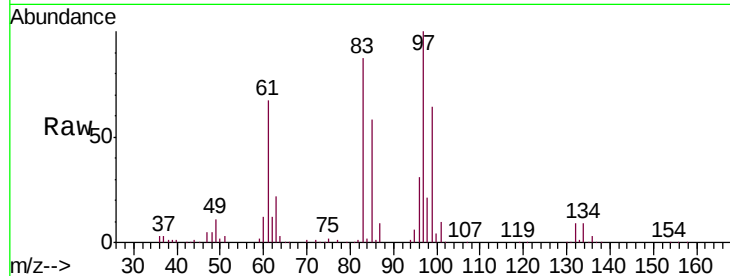




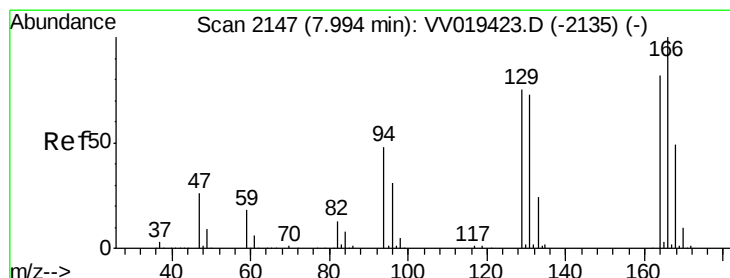
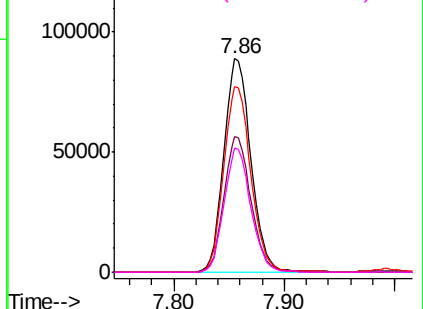
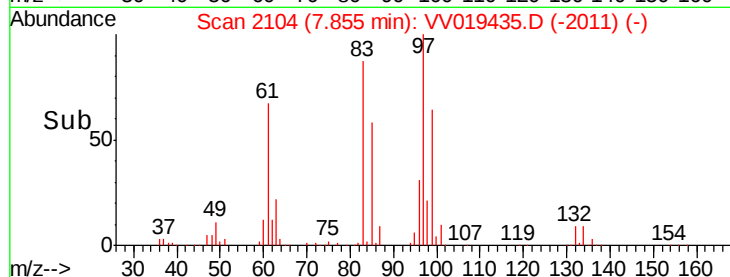
#45
 1,1,2-Trichloroethane
 Concen: 53.726 ug/L
 RT: 7.86 min Scan# 2104
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion:	97	Resp:	151720
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.7	81.1
83	87.1	62.0	115.2
85	57.9	40.0	74.4

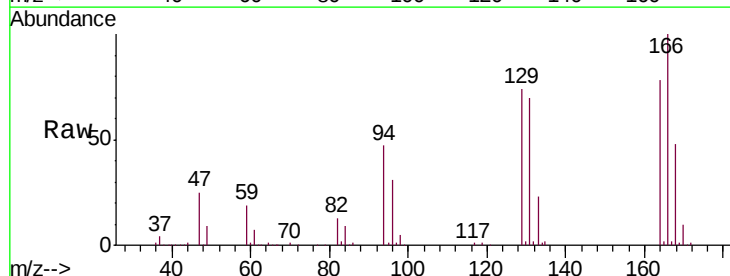


Abundance Ion 97.00 (96.70 to 97.70): VV019435.D (-2011) (-)

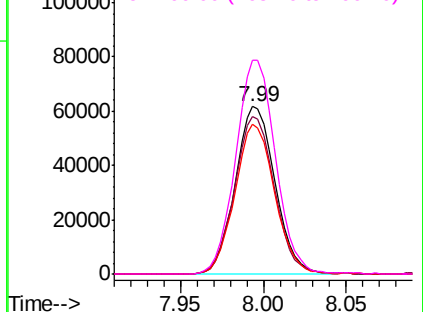
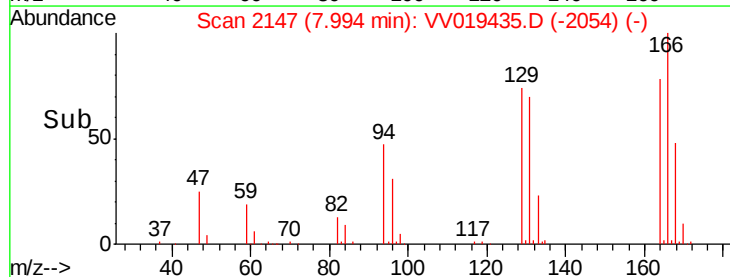


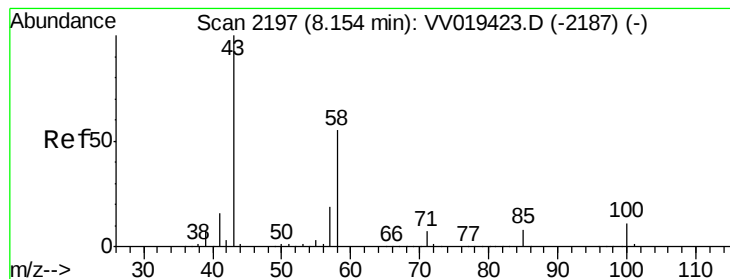
#46
 Tetrachloroethene
 Concen: 48.511 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Tgt Ion:	164	Resp:	102727
Ion	Ratio	Lower	Upper
164	100		
129	94.2	62.9	116.7
131	89.6	61.1	113.5
166	127.5	86.5	160.6



Abundance Ion 164.00 (163.70 to 164.70): VV019435.D (-2054) (-)





#48

2-Hexanone

Concen: 113.967 ug/L

RT: 8.15 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tgt Ion: 43 Resp: 383848

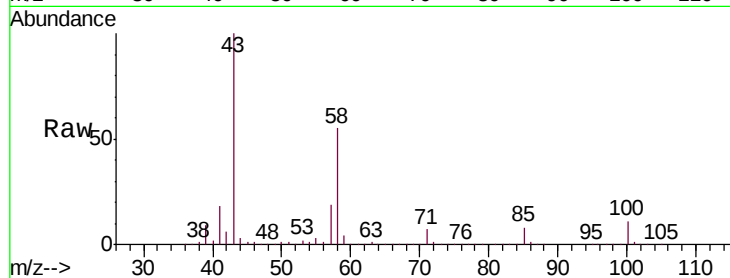
Ion Ratio Lower Upper

43 100

58 53.7 43.8 65.6

57 18.2 15.4 23.2

100 10.7 9.0 13.6

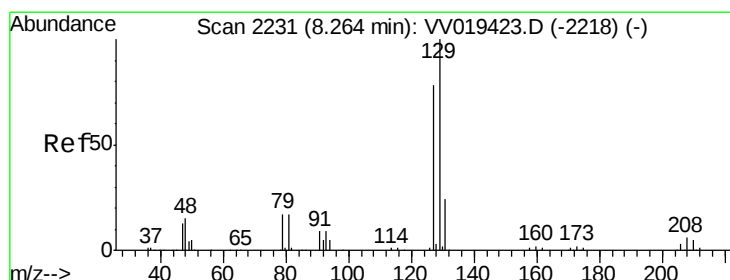
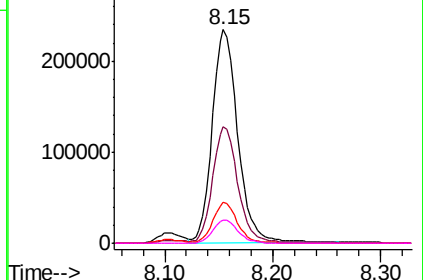
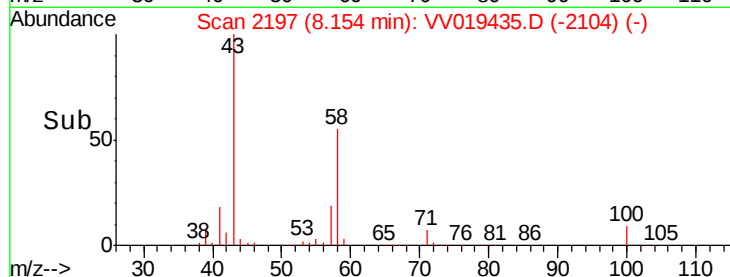


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 52.275 ug/L

RT: 8.26 min Scan# 2231

Delta R.T. -0.00 min

Lab File: VV019435.D

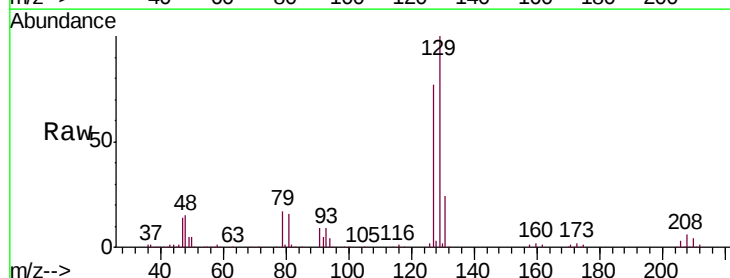
Acq: 23 Nov 2020 21:21

Tgt Ion: 129 Resp: 163153

Ion Ratio Lower Upper

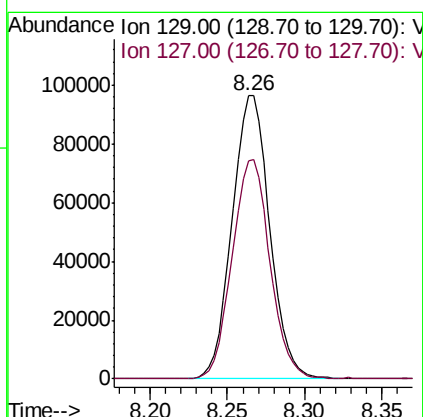
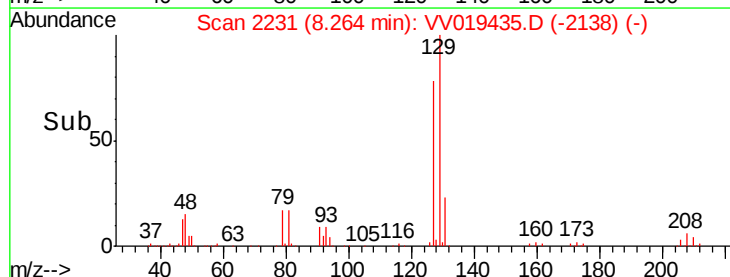
129 100

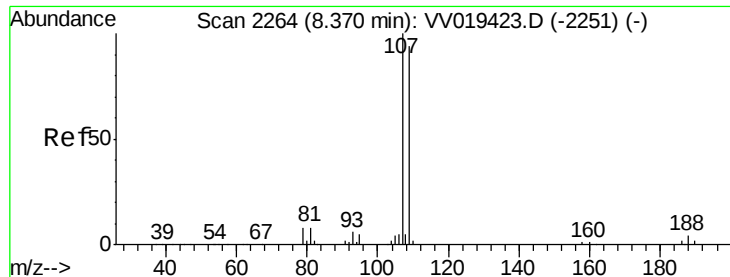
127 77.2 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

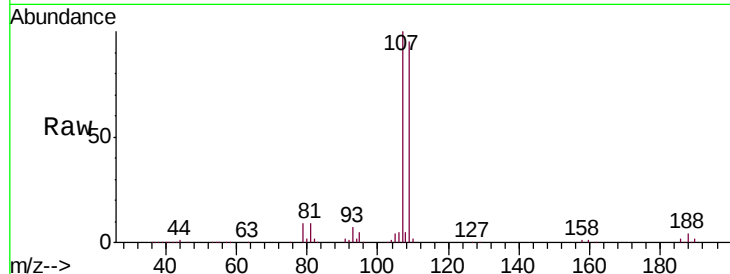




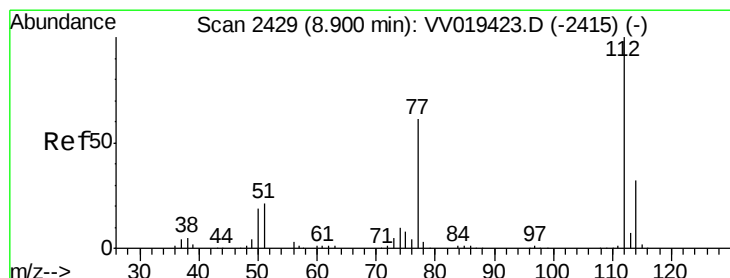
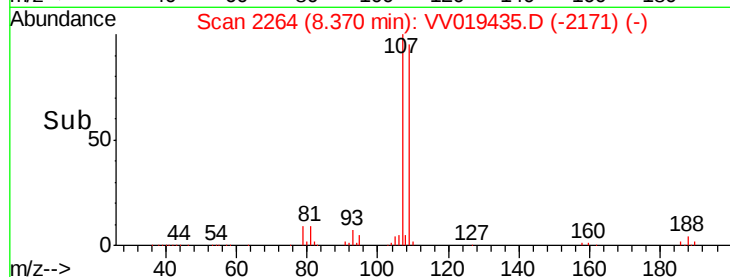
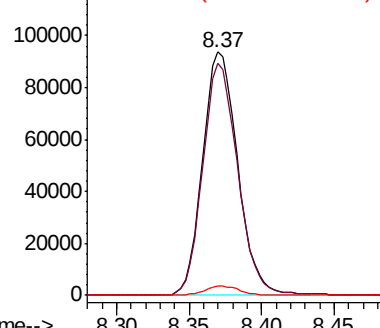
#50
1,2-Dibromoethane
Concen: 52.665 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tgt Ion:107 Resp: 157839
Ion Ratio Lower Upper
107 100
109 95.2 66.1 122.8
188 4.0 3.0 4.4

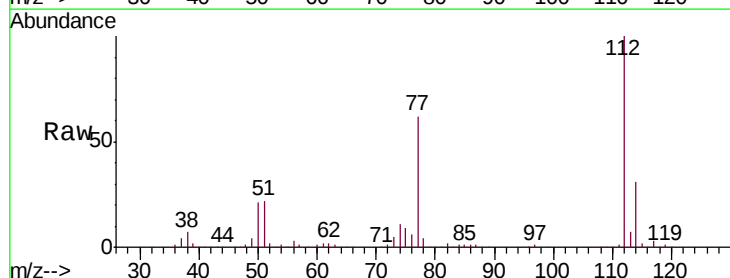


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

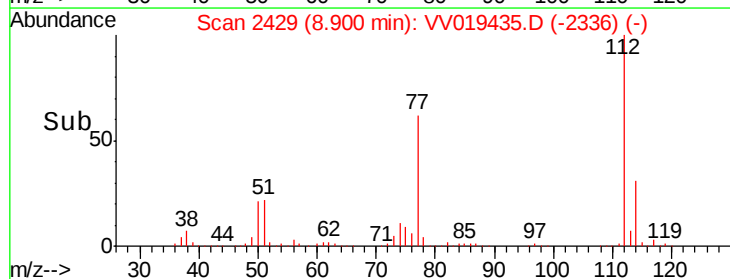
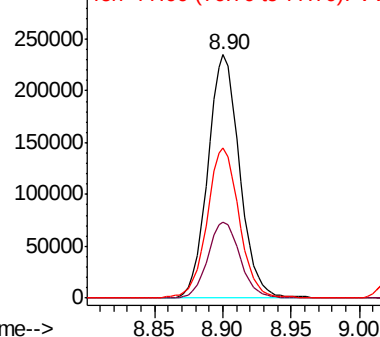


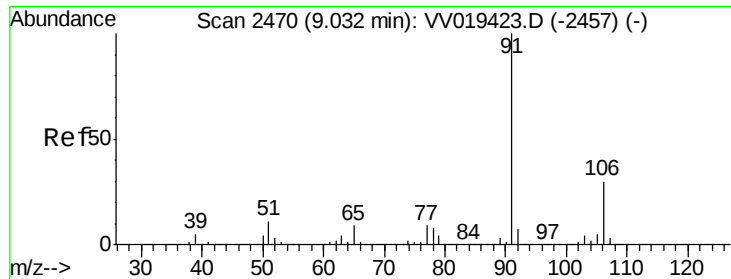
#51
Chlorobenzene
Concen: 50.635 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Tgt Ion:112 Resp: 378872
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.1
77 61.6 50.3 75.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 52.177 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

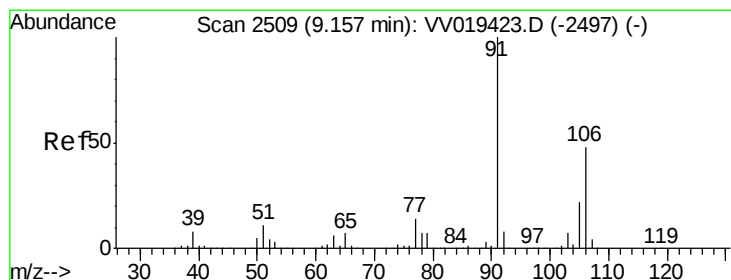
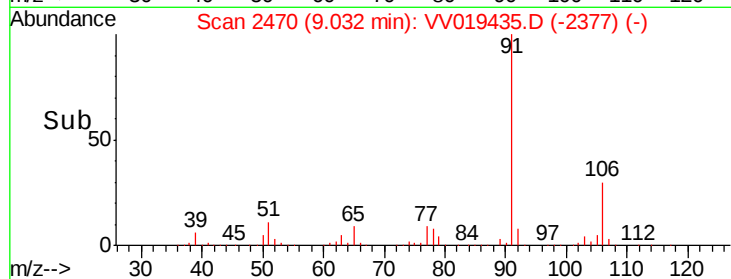
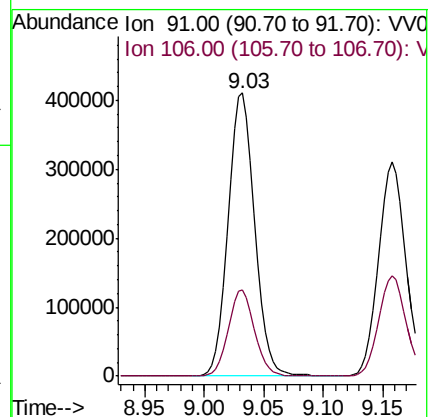
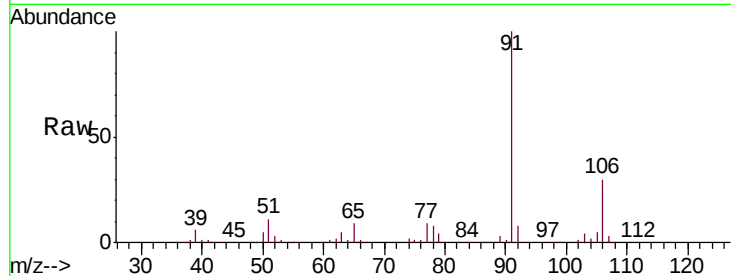
VSTD05070

Tgt Ion: 91 Resp: 635096

Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



#53

m,p-Xylene

Concen: 51.353 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV019435.D

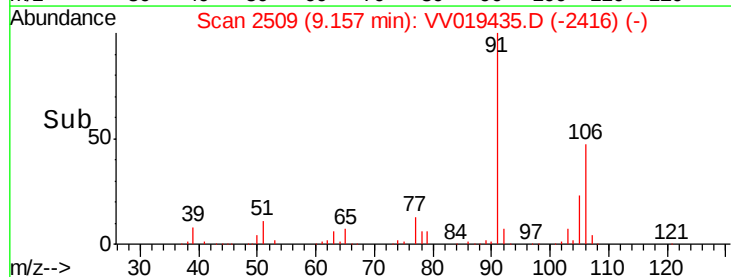
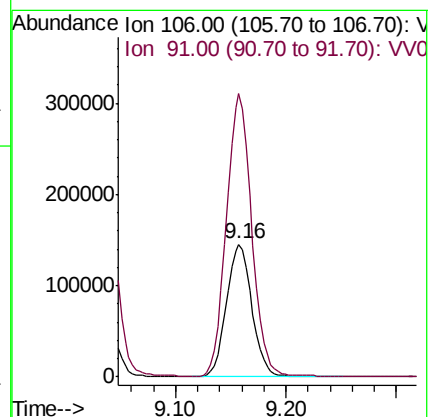
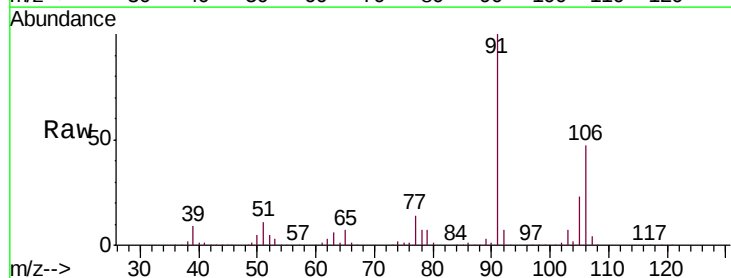
Acq: 23 Nov 2020 21:21

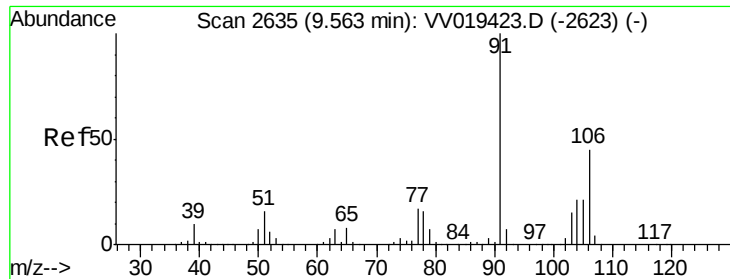
Tgt Ion: 106 Resp: 231273

Ion Ratio Lower Upper

106 100

91 212.9 148.7 276.3

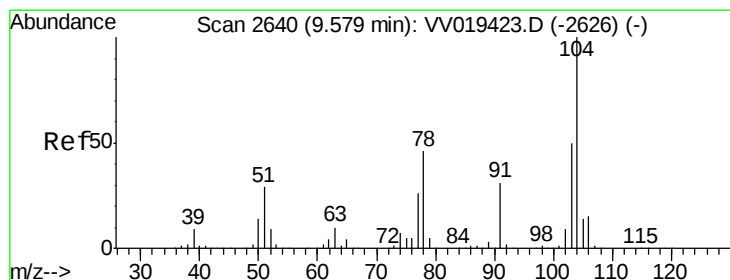
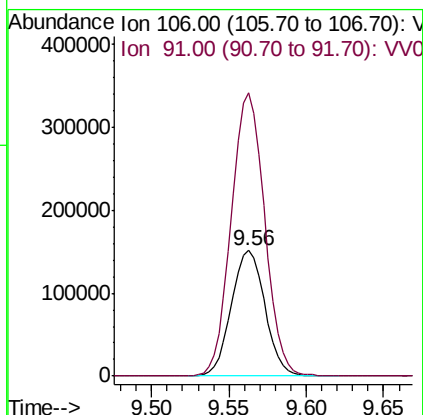
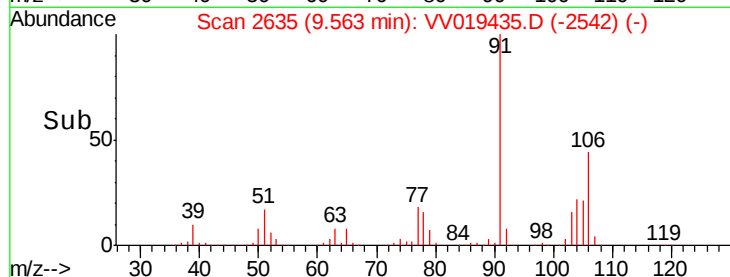
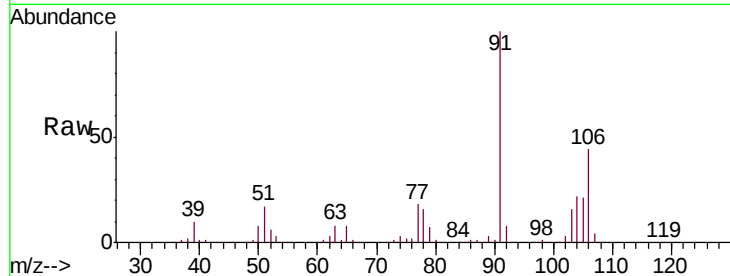




#54
o-xylene
Concen: 52.266 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

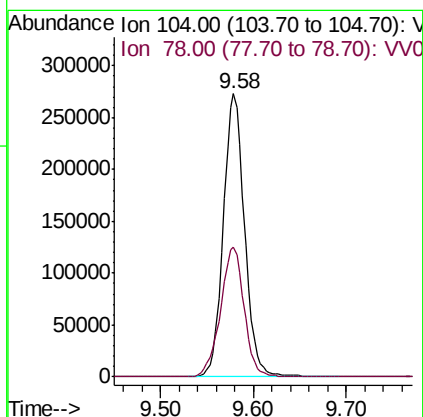
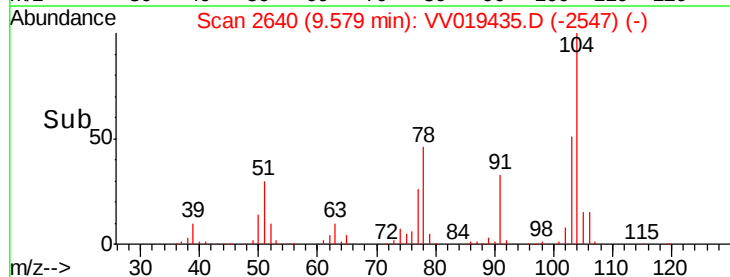
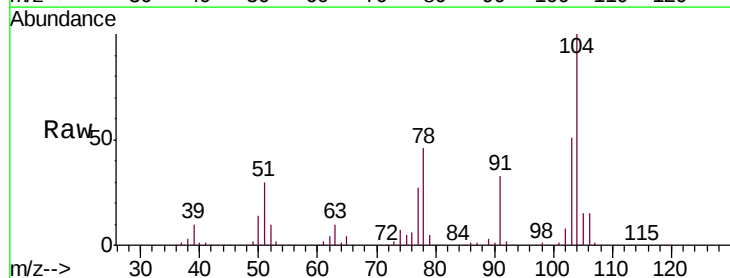
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

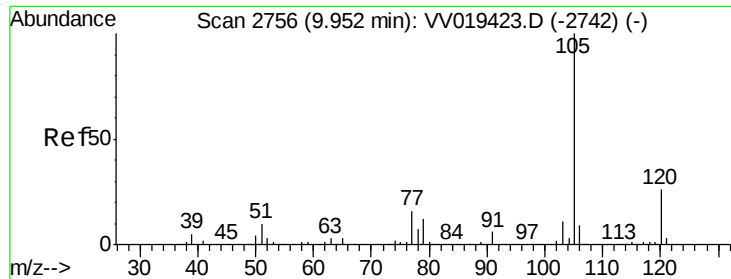
Tgt Ion:106 Resp: 229188
Ion Ratio Lower Upper
106 100
91 225.4 155.1 288.1



#55
Styrene
Concen: 55.329 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV019435.D
Acq: 23 Nov 2020 21:21

Tgt Ion:104 Resp: 434321
Ion Ratio Lower Upper
104 100
78 45.9 33.0 61.4





#56

Isopropylbenzene

Concen: 51.022 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

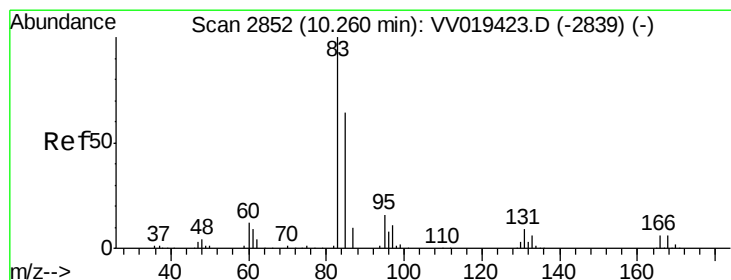
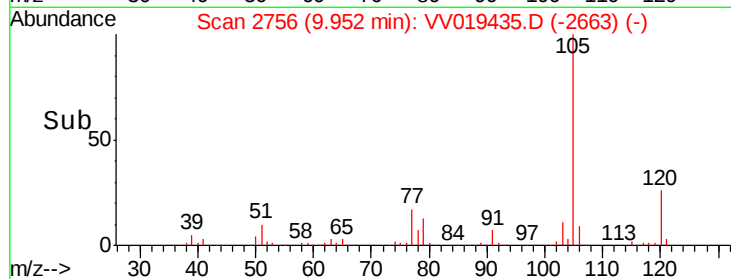
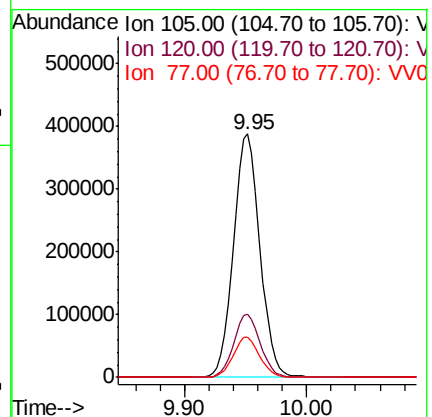
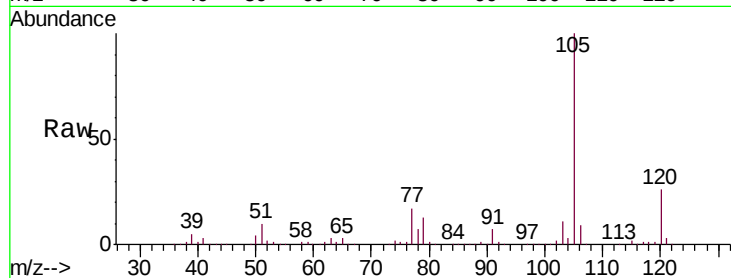
Tgt Ion: 105 Resp: 586169

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

77 16.6 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.264 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

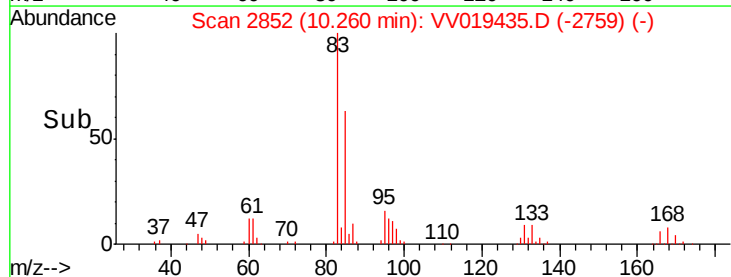
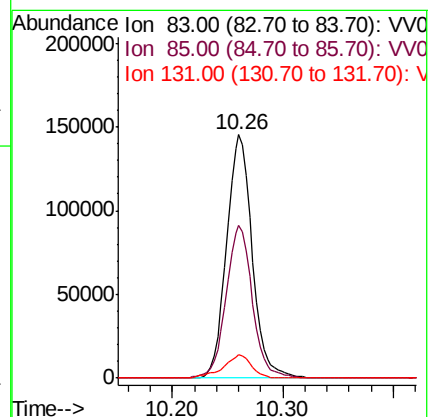
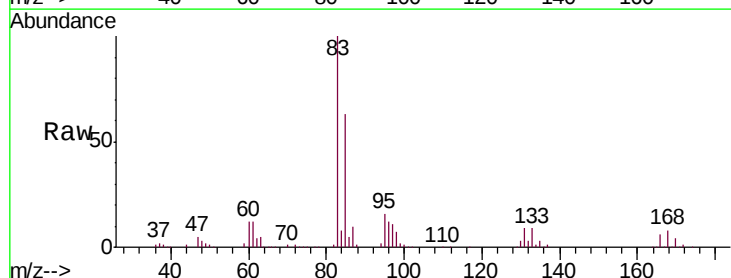
Tgt Ion: 83 Resp: 234230

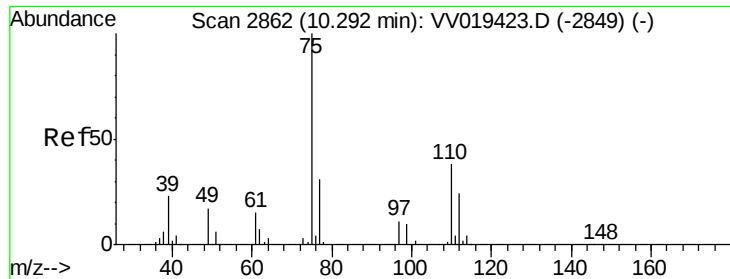
Ion Ratio Lower Upper

83 100

85 62.8 44.8 83.2

131 9.4 7.2 10.8





#59

1,2,3-Trichloropropane

Concen: 52.201 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

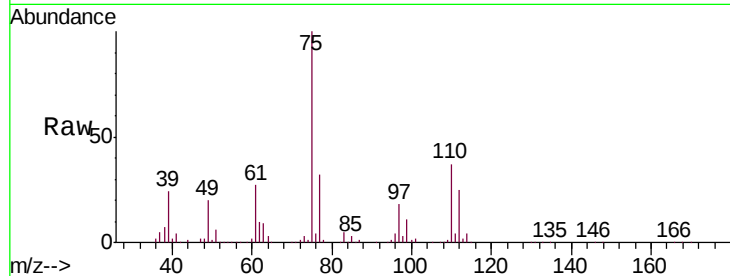
VSTD05070

Tgt Ion: 75 Resp: 206791

Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV019423.D (-2849) (-)

Ion 77.00 (76.70 to 77.70): VV019423.D (-2849) (-)

10.29

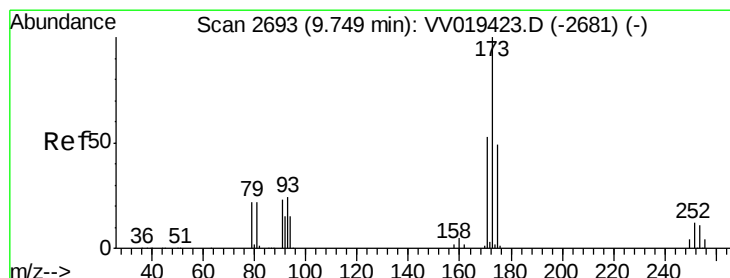
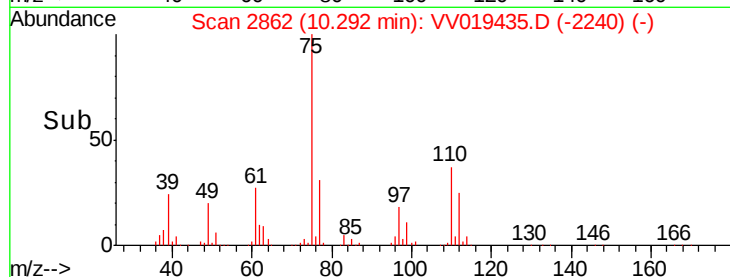
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 52.269 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

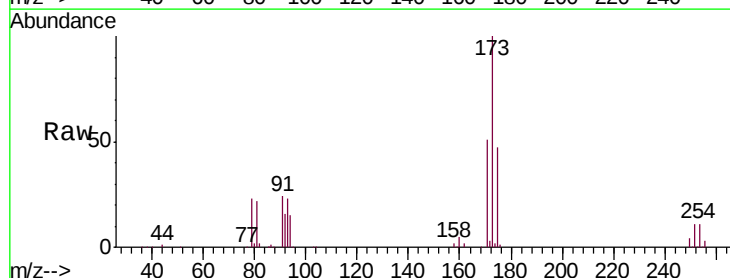
Tgt Ion: 173 Resp: 121551

Ion Ratio Lower Upper

173 100

175 47.6 38.8 58.2

254 11.2 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VV019423.D (-2681) (-)

Ion 175.00 (174.70 to 175.70): VV019423.D (-2681) (-)

Ion 254.00 (253.70 to 254.70): VV019423.D (-2681) (-)

9.75

100000

80000

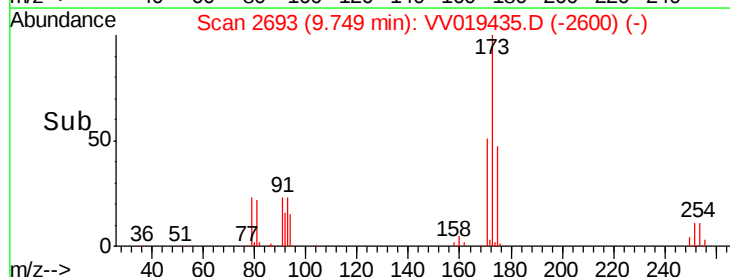
60000

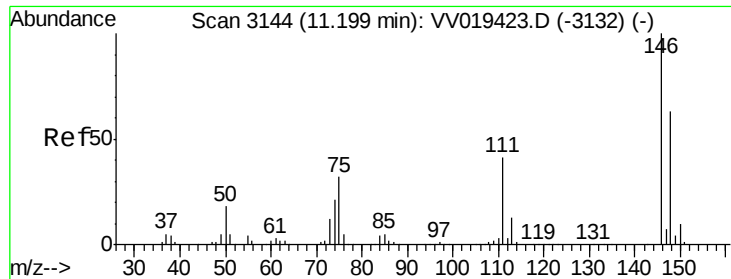
40000

20000

0

Time--> 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 50.647 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

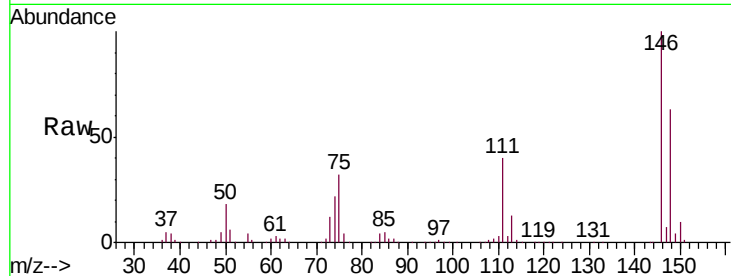
Tgt Ion:146 Resp: 299709

Ion Ratio Lower Upper

146 100

111 40.0 27.9 51.7

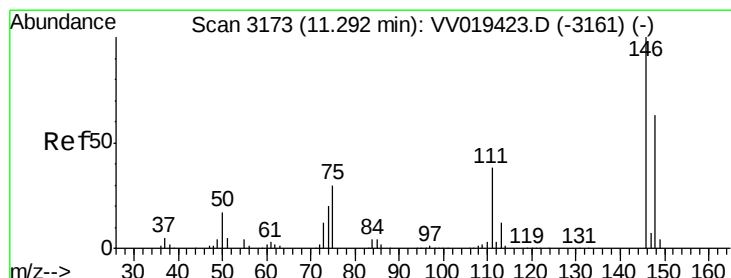
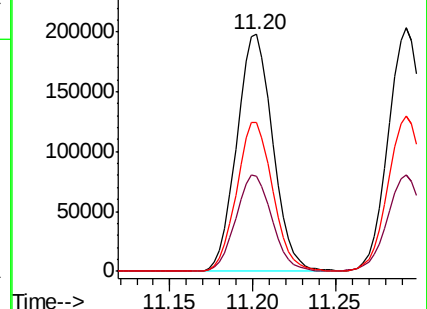
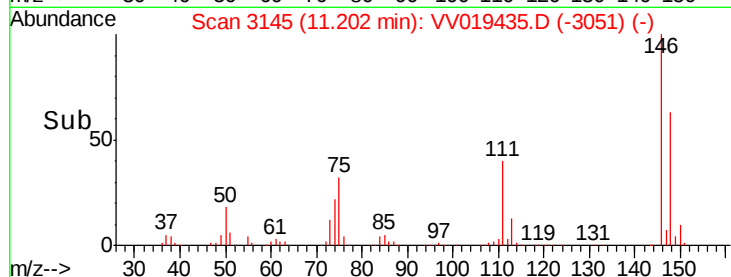
148 62.7 44.4 82.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.043 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

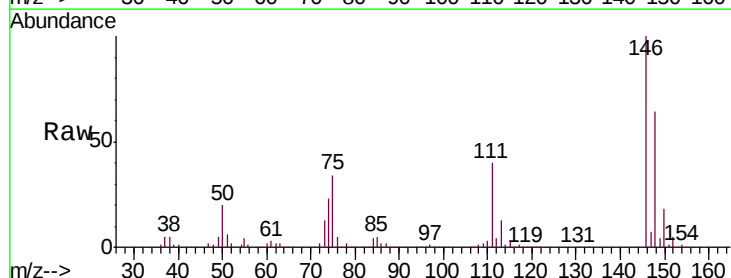
Tgt Ion:146 Resp: 305038

Ion Ratio Lower Upper

146 100

111 39.6 26.7 49.7

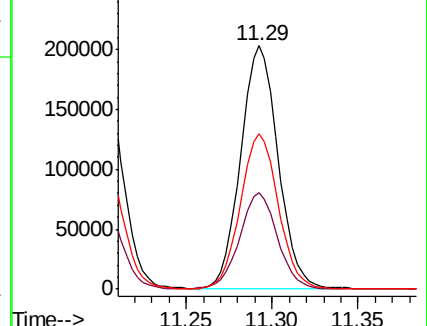
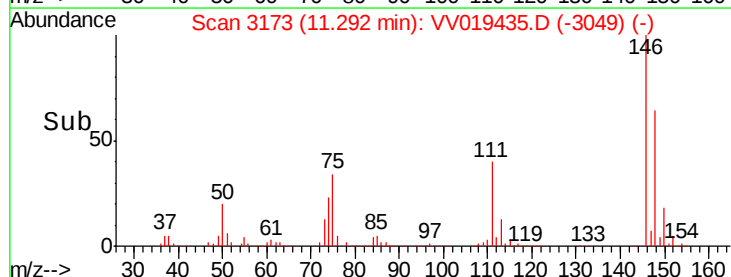
148 64.0 45.2 84.0

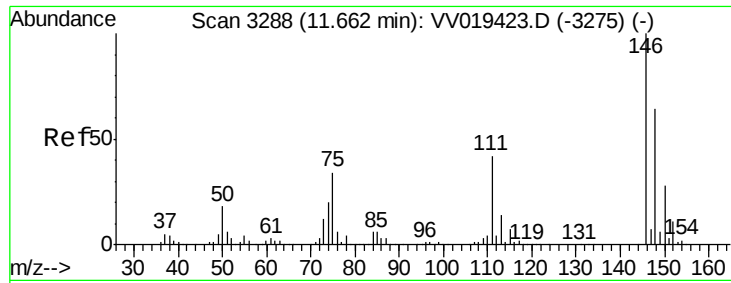


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 50.982 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

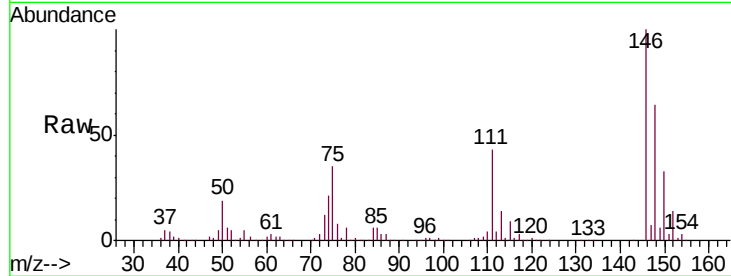
Tgt Ion:146 Resp: 309738

Ion Ratio Lower Upper

146 100

111 42.7 33.8 50.8

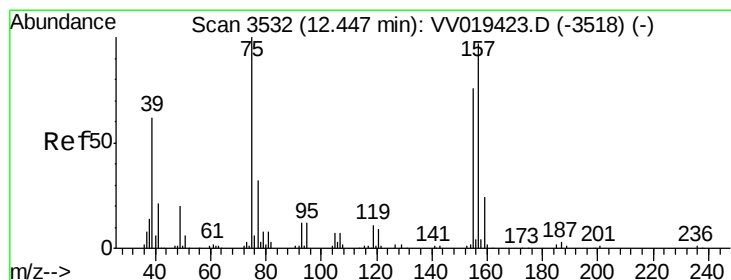
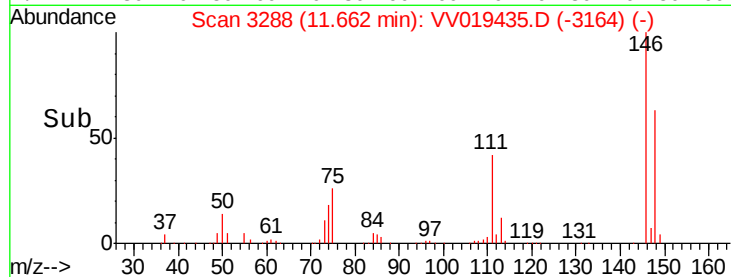
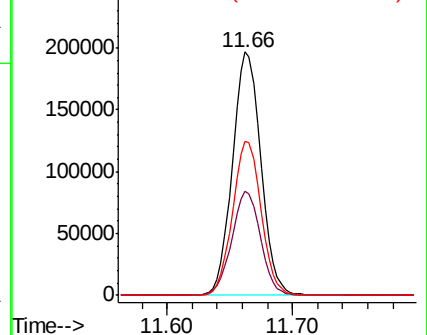
148 63.5 49.8 74.8



Abundance Ion 146.00 (145.70 to 146.70): 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: 53.210 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

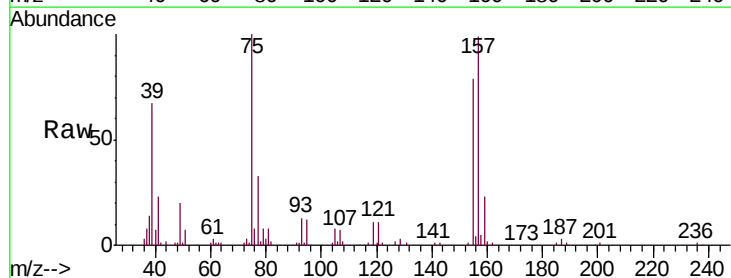
Tgt Ion: 75 Resp: 55940

Ion Ratio Lower Upper

75 100

155 79.1 64.5 96.7

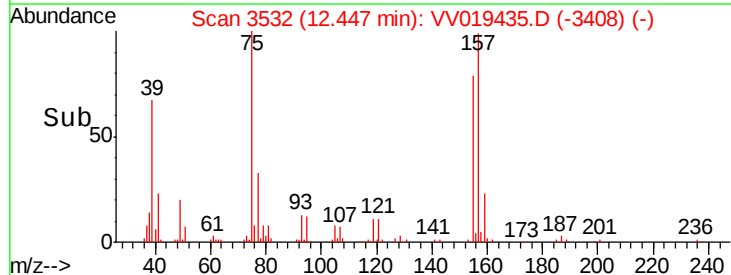
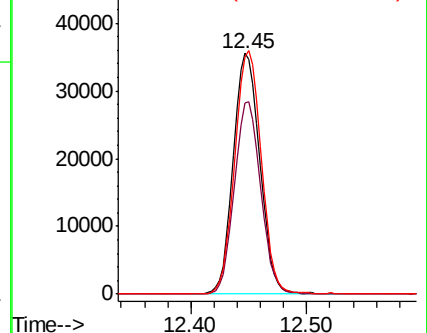
157 98.6 84.2 126.2

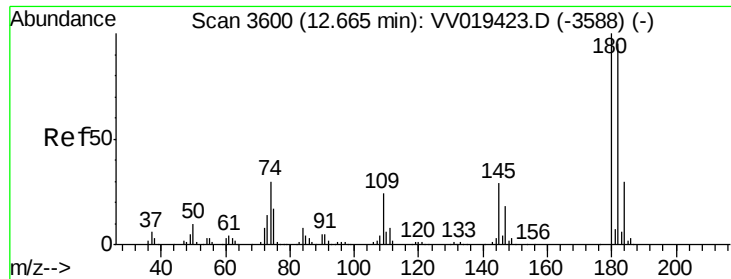


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

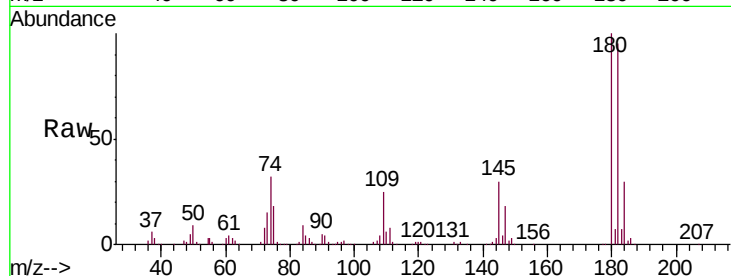




#67
 1,3,5-Trichlorobenzene
 Concen: 49.996 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	77.0	115.4
184	30.4	24.2	36.2
145	29.5	23.2	34.8



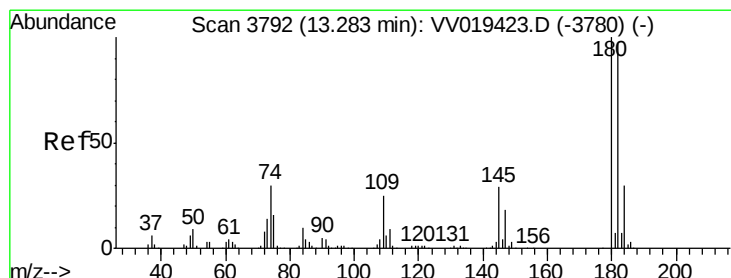
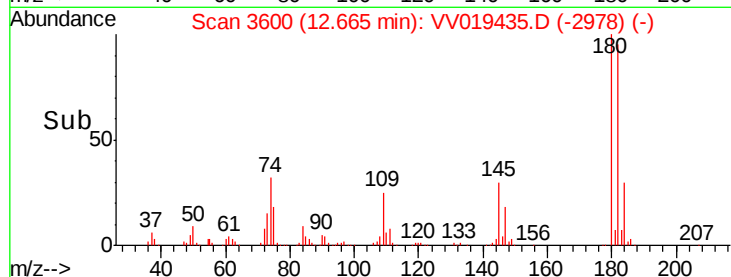
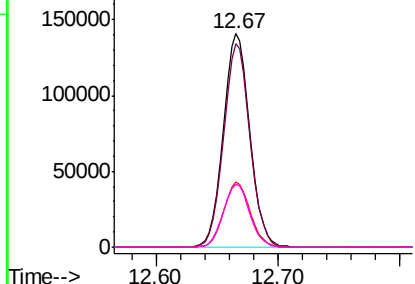
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

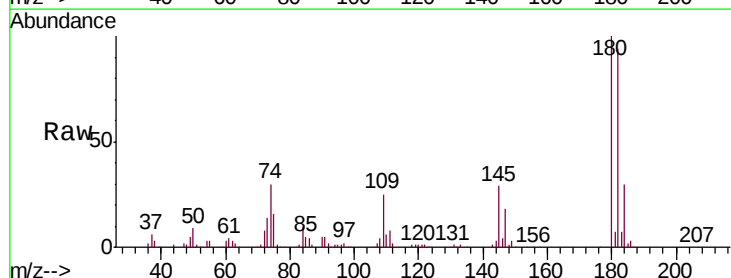
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 51.520 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV019435.D
 Acq: 23 Nov 2020 21:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.3	114.5
145	29.5	23.4	35.2

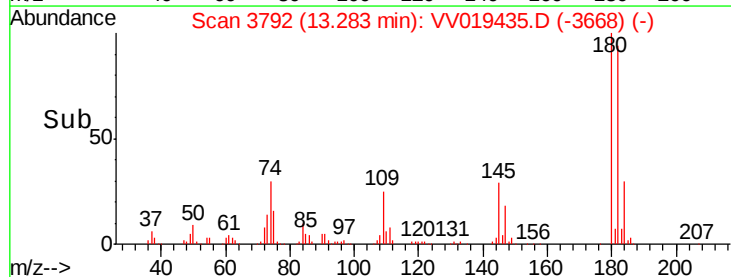
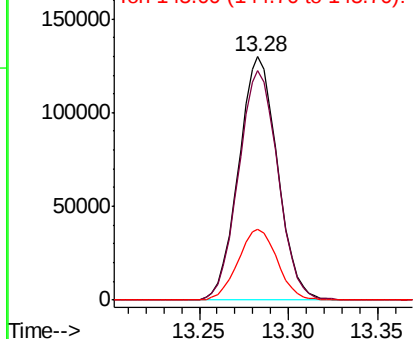


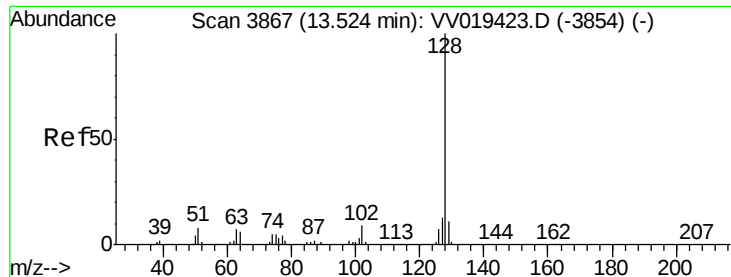
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 55.215 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

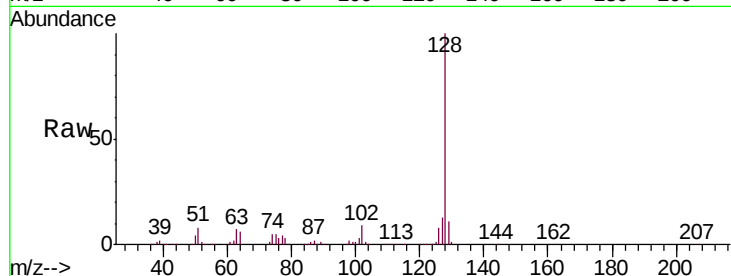
Tgt Ion:128 Resp: 535478

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

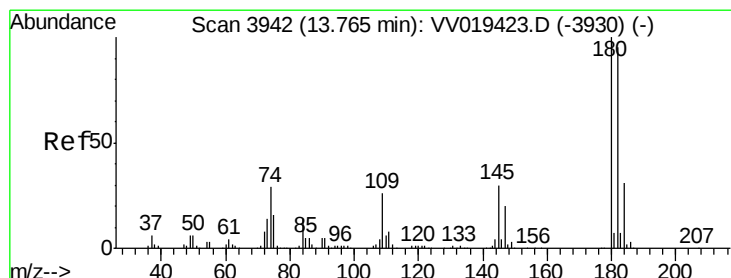
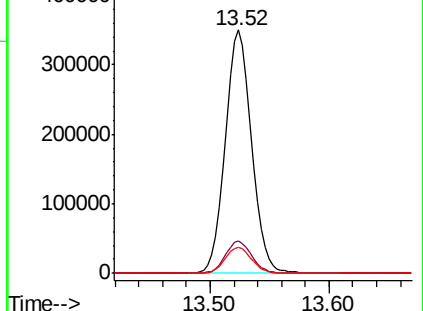
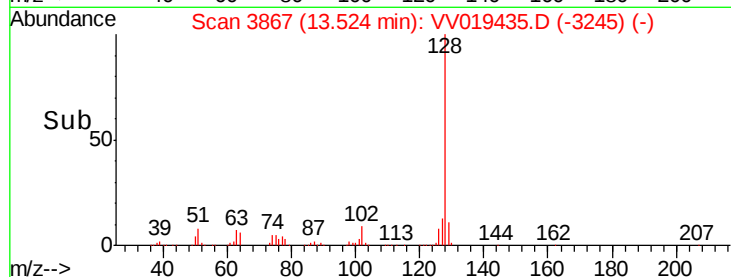
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 52.955 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV019435.D

Acq: 23 Nov 2020 21:21

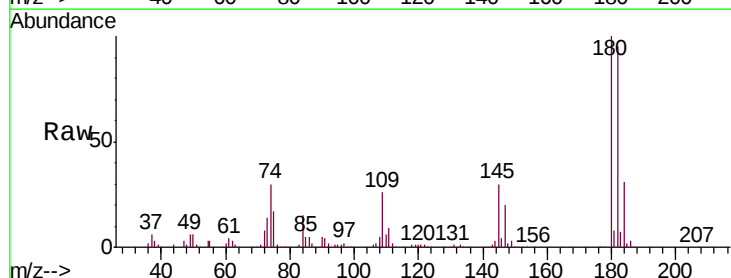
Tgt Ion:180 Resp: 211099

Ion Ratio Lower Upper

180 100

182 96.1 76.6 115.0

145 31.1 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

