

Data File : VV013640.D
Acq On : 15 Nov 2019 14:18
Operator : SY/MD
Sample : VSTD02035
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Quant Time: Nov 15 23:08:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 15 23:03:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	414201	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	386164	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	213484	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	484483	18.67	ug/L	0.00
7) Chloroethane-d5	1.58	69	431376	20.33	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	884808	19.66	ug/L	0.00
20) 2-Butanone-d5	3.95	46	1322032	266.29	ug/L	0.00
24) Chloroform-d	4.39	84	1091569	23.26	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	527769	22.85	ug/L	0.00
32) Benzene-d6	5.09	84	2187298	22.95	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	656622	20.65	ug/L	0.00
41) Toluene-d8	7.35	98	2101226	22.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	259201	21.80	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1126105	240.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	480678	21.51	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	809504	21.49	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	723503	18.665	ug/L	100
3) Chloromethane	1.25	50	689655	19.611	ug/L	100
5) Vinyl chloride	1.32	62	661115	19.285	ug/L	100
6) Bromomethane	1.53	94	402809	20.905	ug/L	98
8) Chloroethane	1.60	64	378460	20.128	ug/L	98
9) Trichlorofluoromethane	1.77	101	852946	18.446	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	488604	18.687	ug/L	98
12) 1,1-Dichloroethene	2.13	96	479245	19.586	ug/L	92
13) Acetone	2.22	43	757630	229.737	ug/L #	37
14) Carbon disulfide	2.31	76	1655028	22.559	ug/L	99
15) Methyl Acetate	2.47	43	216405	22.058	ug/L	100
16) Methylene chloride	2.53	84	572152	20.722	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	1282545	22.058	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	600645	22.456	ug/L	94
19) 1,1-Dichloroethane	3.23	63	1057429	21.879	ug/L	99
21) 2-Butanone	4.03	43	1452367	242.653	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	644896	22.229	ug/L #	97
23) Bromochloromethane	4.29	128	274221	21.128	ug/L	96
25) Chloroform	4.42	83	1099855	18.294	ug/L	98
27) 1,2-Dichloroethane	5.17	62	656819	20.503	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	931781	21.534	ug/L	99
30) Cyclohexane	4.72	56	1015063	23.492	ug/L	100
31) Carbon tetrachloride	4.87	117	858000	21.980	ug/L	98
33) Benzene	5.14	78	2402346	21.032	ug/L	100
34) Trichloroethene	5.96	95	622915	19.407	ug/L	99
35) Methylcyclohexane	6.17	83	1055823	22.390	ug/L	97
37) 1,2-Dichloropropane	6.22	63	587231	19.950	ug/L	100
38) Bromodichloromethane	6.55	83	763297	18.960	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	912070	22.058	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3545902	213.189	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2594827	20.875	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	698180	22.366	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	403373	19.056	ug/L	98
47) Tetrachloroethene	8.01	164	574896	19.615	ug/L	98
48) 2-Hexanone	8.18	43	2481451	214.730	ug/L	97
49) Dibromochloromethane	8.29	129	535333	20.165	ug/L	99
50) 1,2-Dibromoethane	8.39	107	390097	20.074	ug/L	100
51) Chlorobenzene	8.92	112	1662426	20.364	ug/L	99
52) Ethylbenzene	9.05	91	2903770	22.143	ug/L	99
53) m,p-xylene	9.18	106	1114398	22.309	ug/L	100
54) o-xylene	9.58	106	1072689	22.786	ug/L	99
55) Styrene	9.60	104	1831148	22.613	ug/L	98
56) Isopropylbenzene	9.97	105	2879421	22.936	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	469779	20.184	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	348204	19.397	ug/L	100
61) Bromoform	9.77	173	321322	19.825	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	1405384	20.164	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	1412871	19.792	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	1284683	19.904	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	73687	18.655	ug/L #	80
67) 1,3,5-Trichlorobenzene	12.69	180	1182795	20.796	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1006475	22.524	ug/L	99
69) Naphthalene	13.55	128	1548191	26.939	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	921185	22.281	ug/L	99

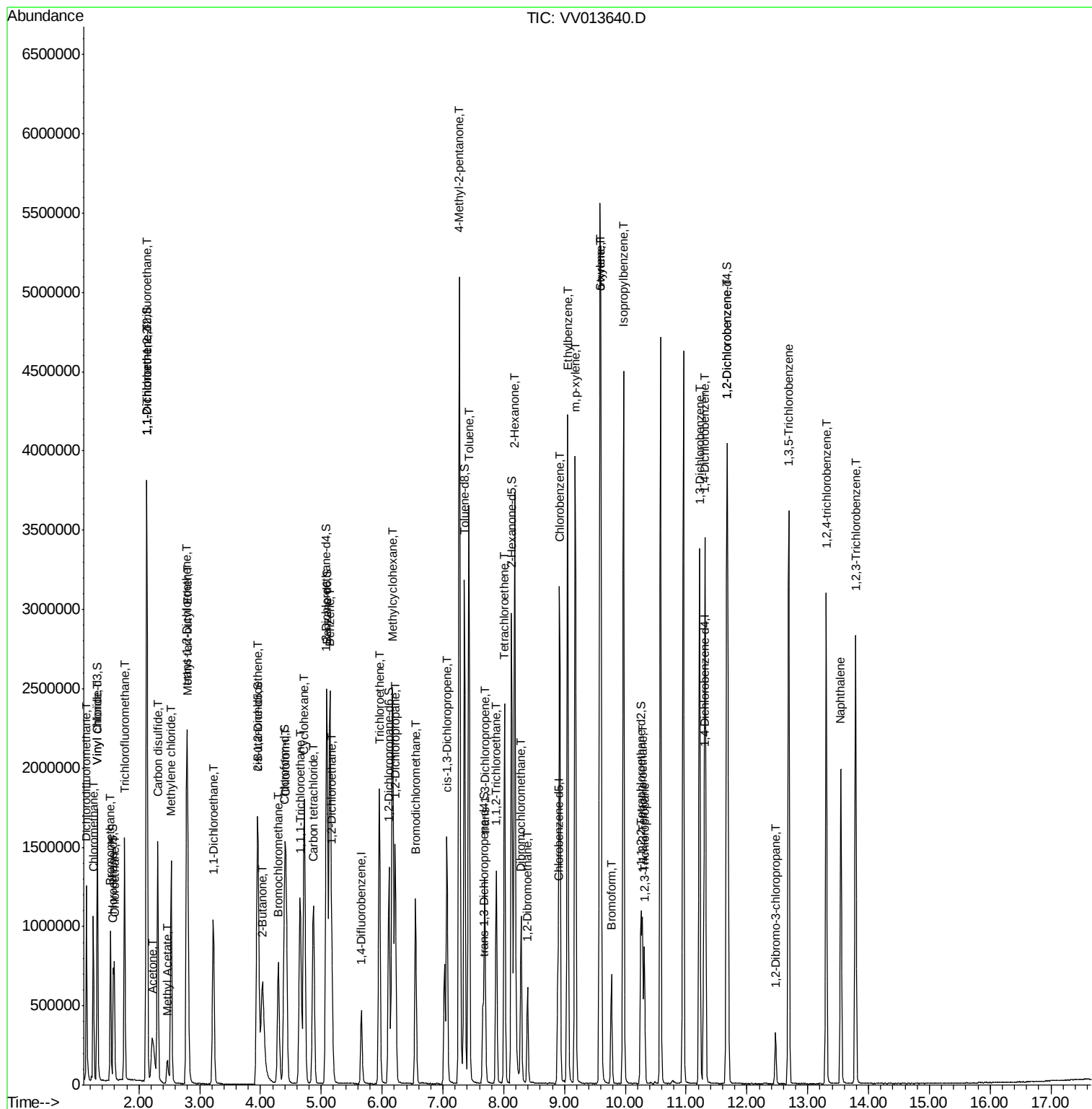
(#) = qualifier out of range (m) = manual integration (+) = signals summed

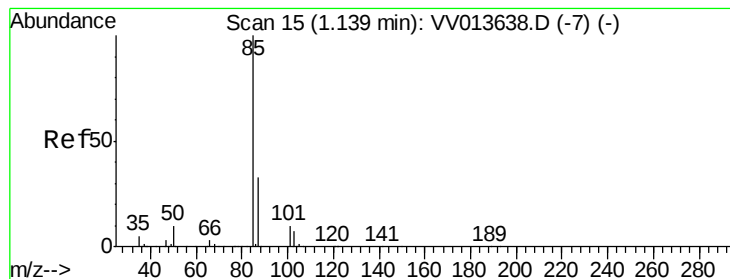
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#2

Dichlorodifluoromethane

Concen: 18.665 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

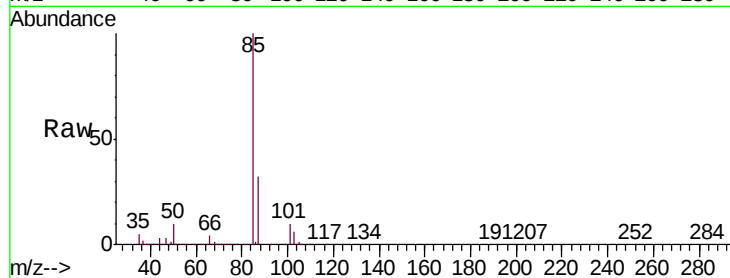
VSTD02035

Tgt Ion: 85 Resp: 723503

Ion Ratio Lower Upper

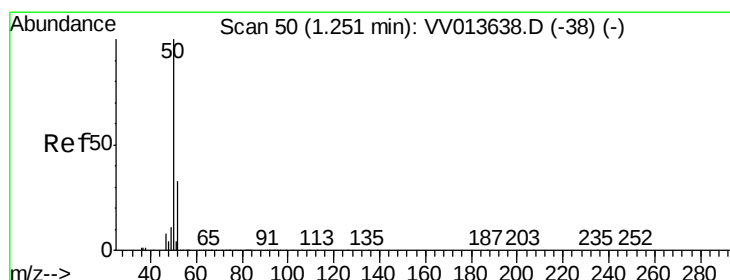
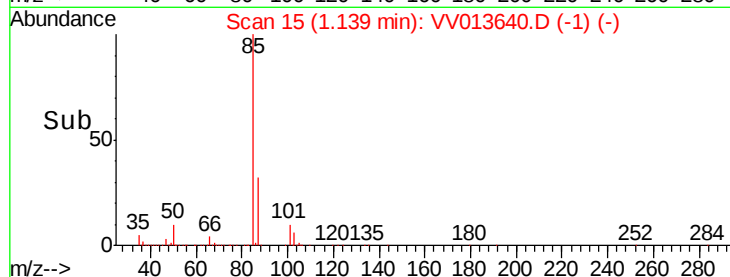
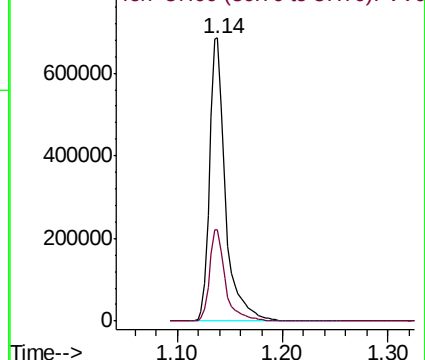
85 100

87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV013640.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013640.D (-1) (-)



#3

Chloromethane

Concen: 19.611 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013640.D

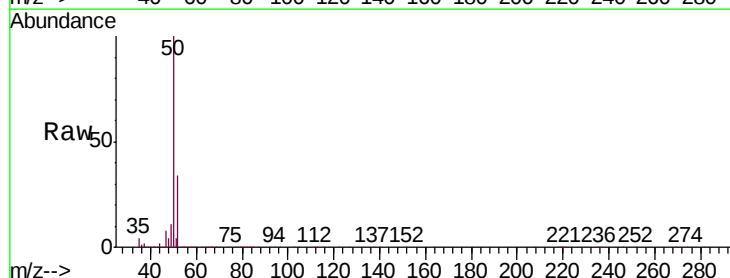
Acq: 15 Nov 2019 14:18

Tgt Ion: 50 Resp: 689655

Ion Ratio Lower Upper

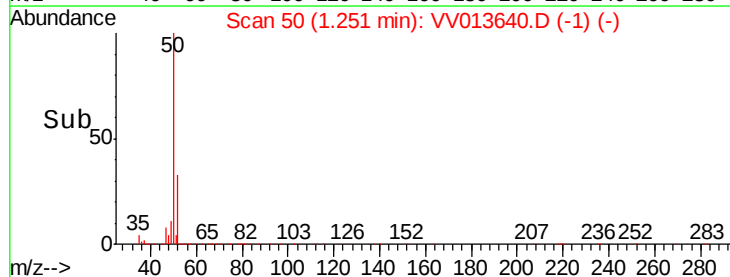
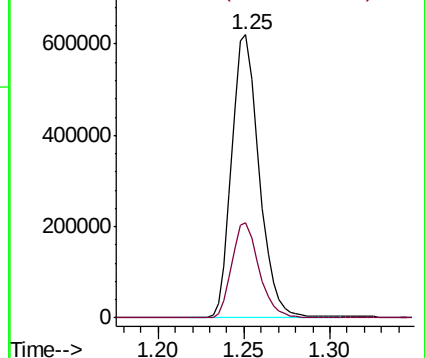
50 100

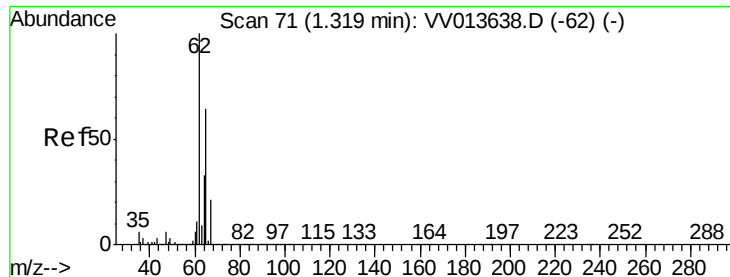
52 33.5 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV013640.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013640.D (-1) (-)





#5

Vinyl chloride

Concen: 19.285 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

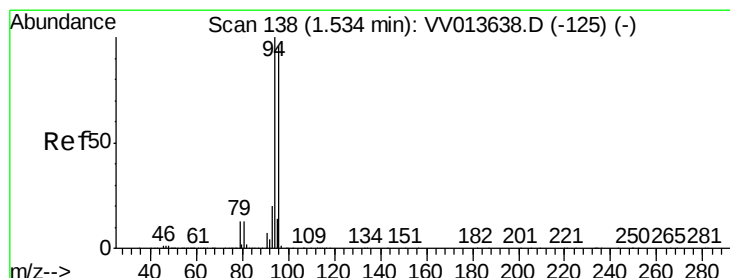
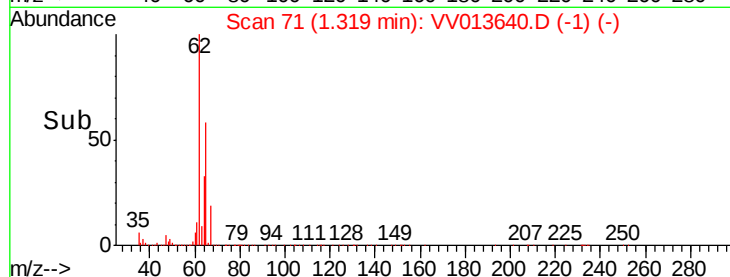
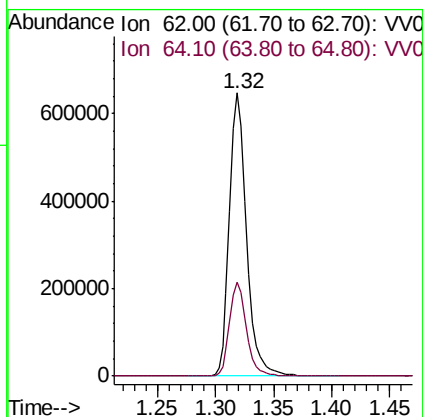
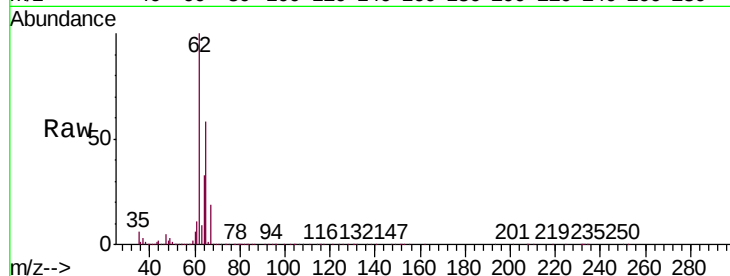
VSTD02035

Tgt Ion: 62 Resp: 661115

Ion Ratio Lower Upper

62 100

64 33.2 23.4 43.6



#6

Bromomethane

Concen: 20.905 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013640.D

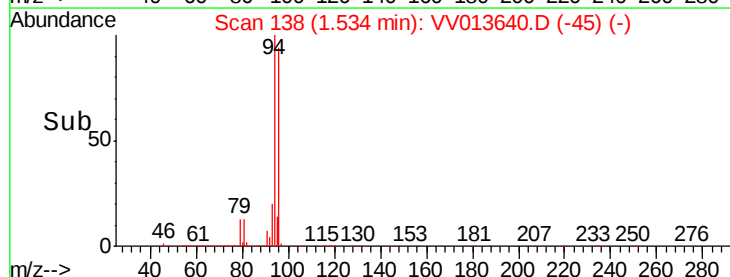
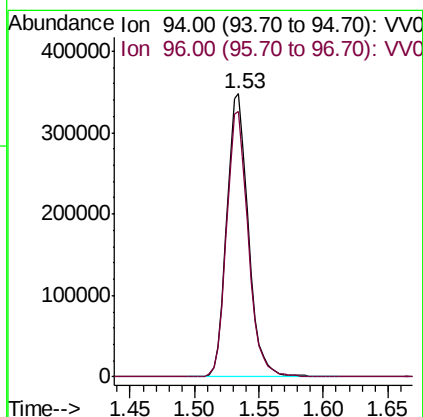
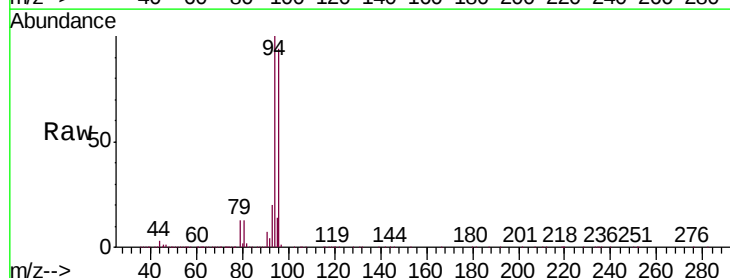
Acq: 15 Nov 2019 14:18

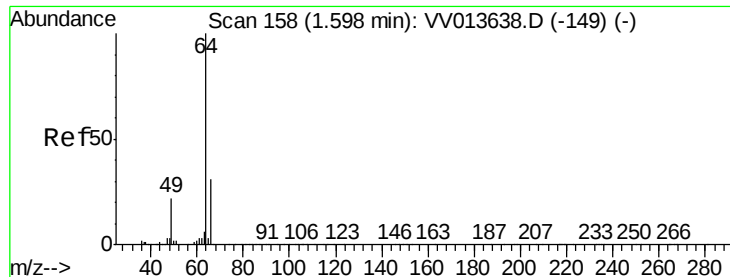
Tgt Ion: 94 Resp: 402809

Ion Ratio Lower Upper

94 100

96 93.6 67.0 124.4





#8

Chloroethane

Concen: 20.128 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

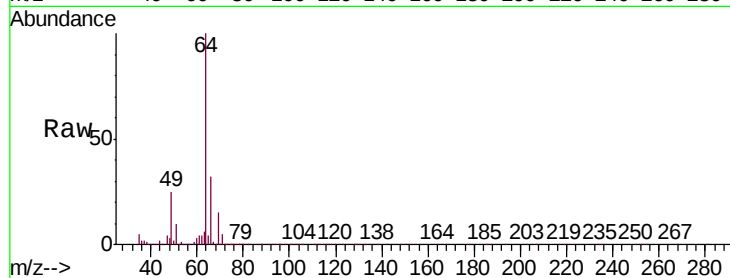
VSTD02035

Tgt Ion: 64 Resp: 378460

Ion Ratio Lower Upper

64 100

66 32.2 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VV013638.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013638.D (-149) (-)

1.60

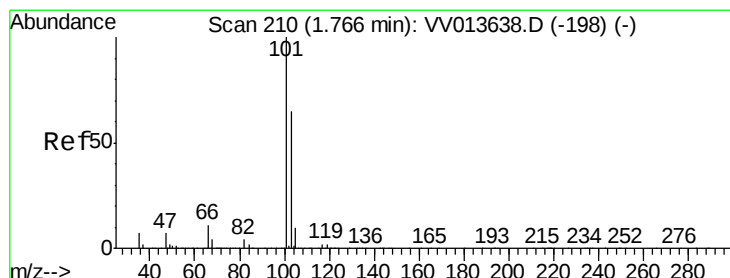
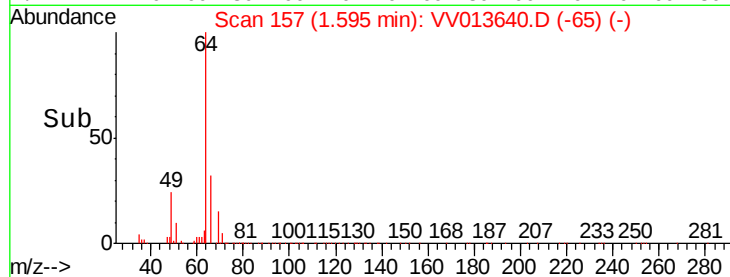
300000

200000

100000

0

Time-->



#9

Trichlorofluoromethane

Concen: 18.446 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013640.D

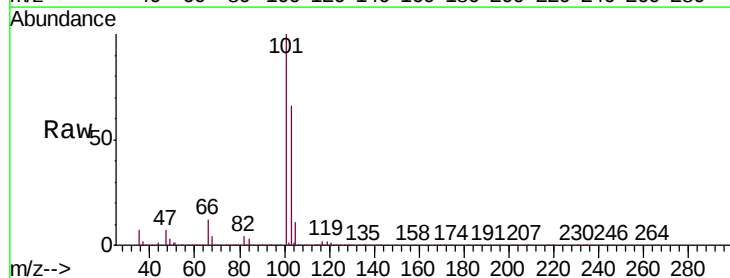
Acq: 15 Nov 2019 14:18

Tgt Ion: 101 Resp: 852946

Ion Ratio Lower Upper

101 100

103 65.3 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV013638.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013638.D (-198) (-)

1.77

800000

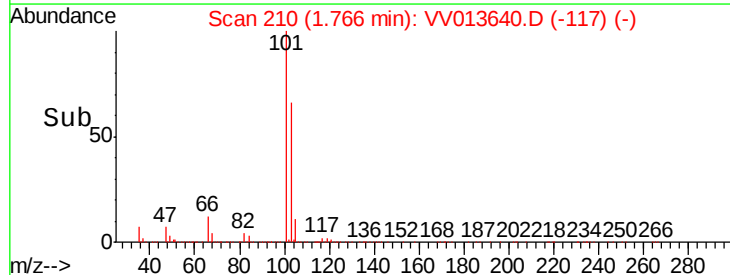
600000

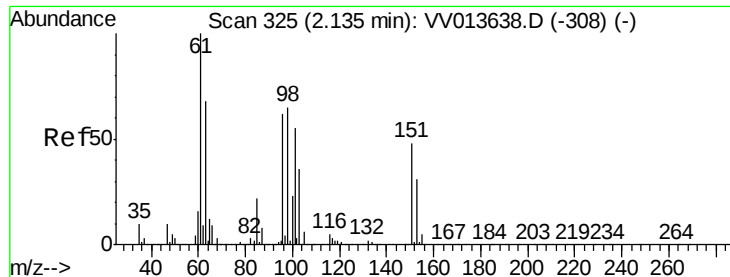
400000

200000

0

Time-->





#10

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

Concen: 18.687 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

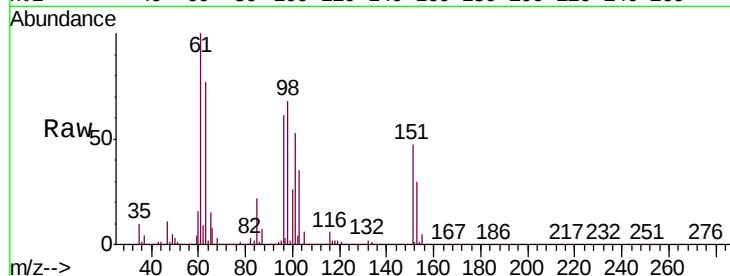
Tgt Ion: 101 Resp: 488604

Ion Ratio Lower Upper

101 100

85 40.5 32.0 48.0

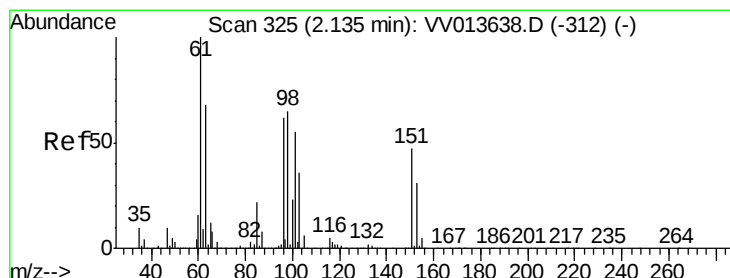
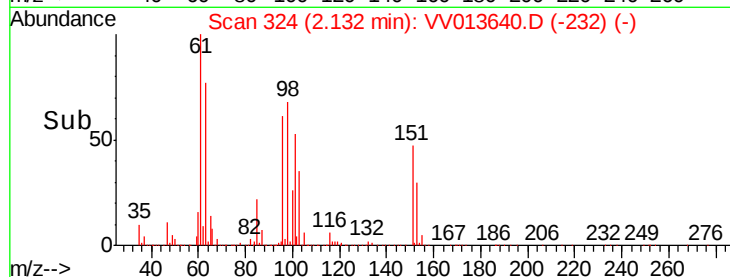
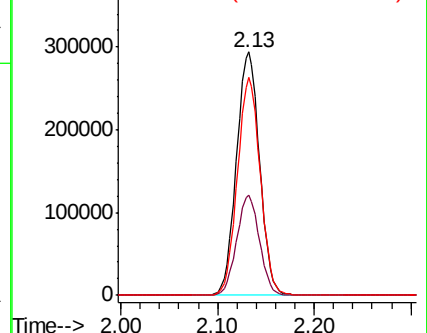
151 88.2 69.0 103.6



Abundance Ion 101.00 (100.70 to 101.70): VV013640.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013640.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013640.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 19.586 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

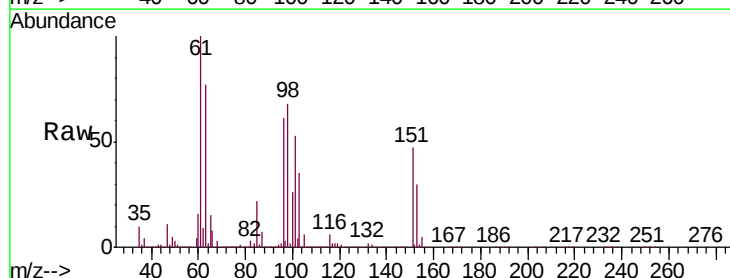
Tgt Ion: 96 Resp: 479245

Ion Ratio Lower Upper

96 100

61 164.4 112.5 208.9

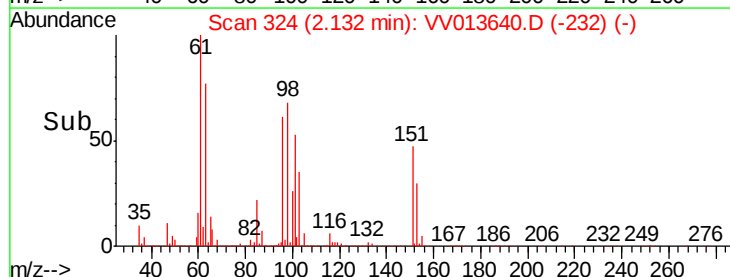
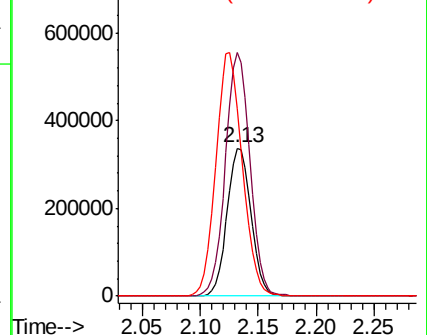
63 126.1 76.9 142.7

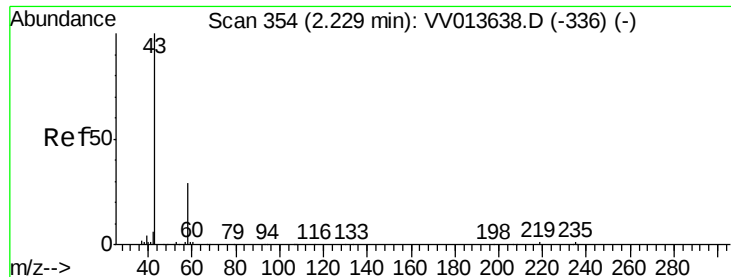


Abundance Ion 96.00 (95.70 to 96.70): VV013640.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV013640.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV013640.D (-232) (-)





#13

Acetone

Concen: 229.737 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

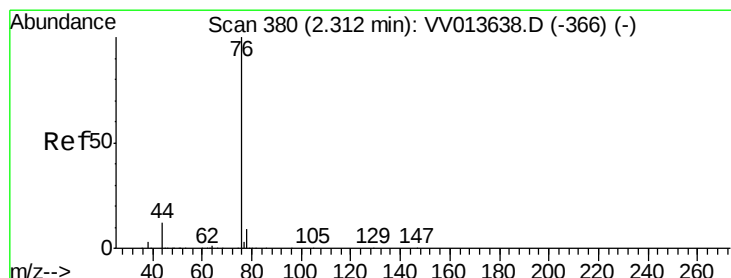
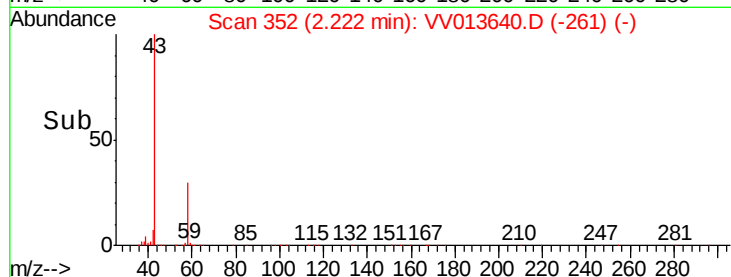
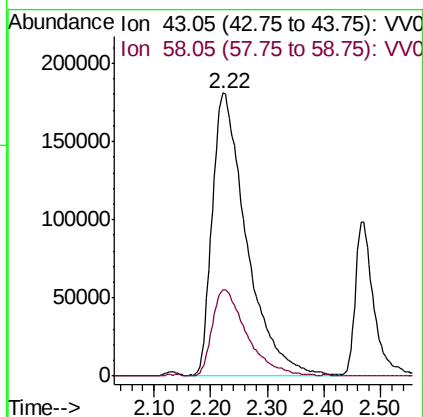
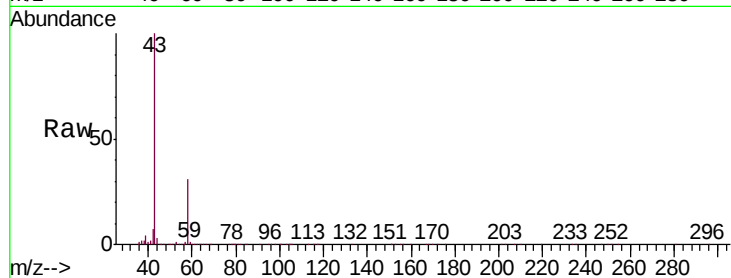
VSTD02035

Tgt Ion: 43 Resp: 757630

Ion Ratio Lower Upper

43 100

58 31.0 0.0 17.0#



#14

Carbon disulfide

Concen: 22.559 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013640.D

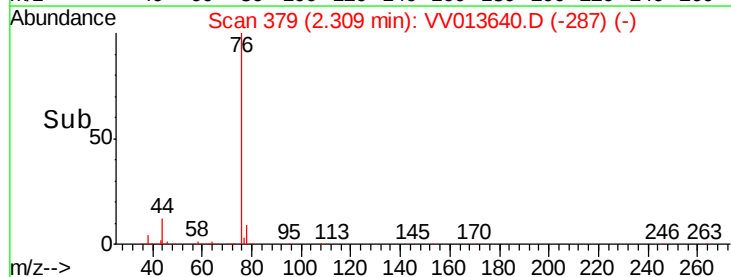
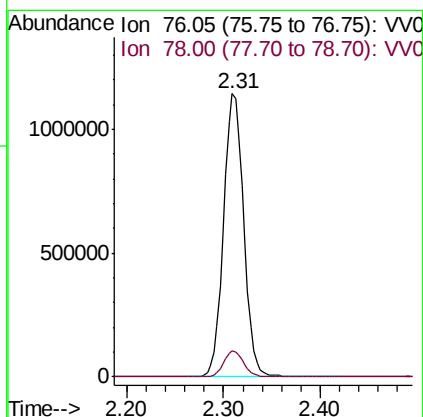
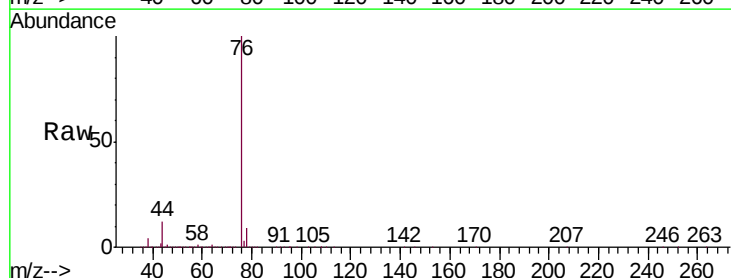
Acq: 15 Nov 2019 14:18

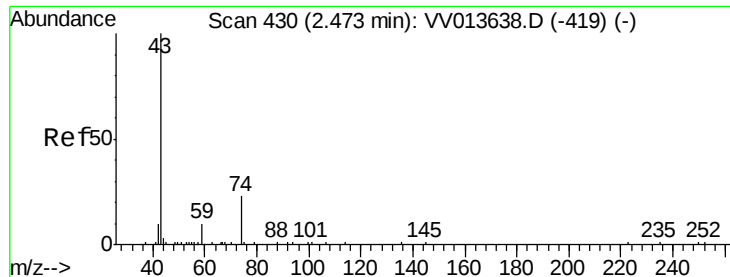
Tgt Ion: 76 Resp: 1655028

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2





#15

Methyl Acetate

Concen: 22.058 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

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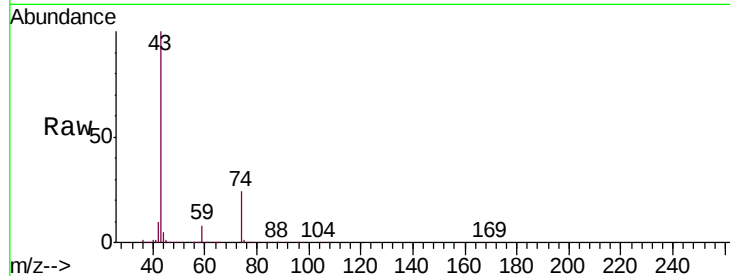
VSTD02035

Tgt Ion: 43 Resp: 216405

Ion Ratio Lower Upper

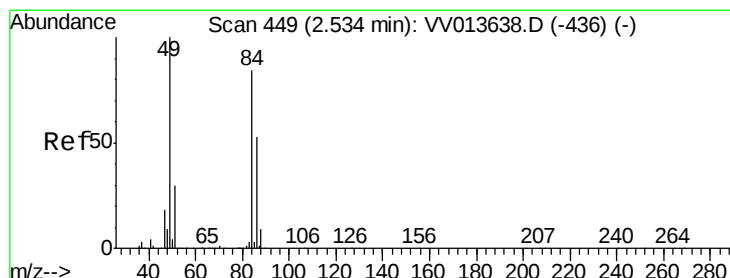
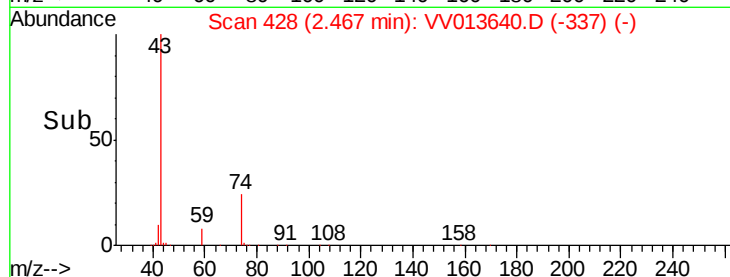
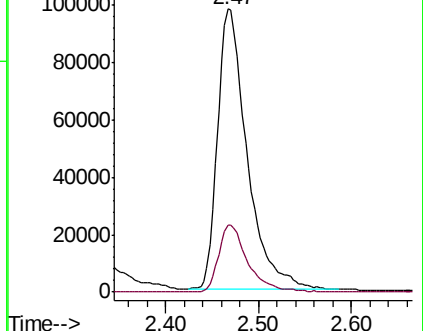
43 100

74 23.6 18.9 28.3



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 20.722 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

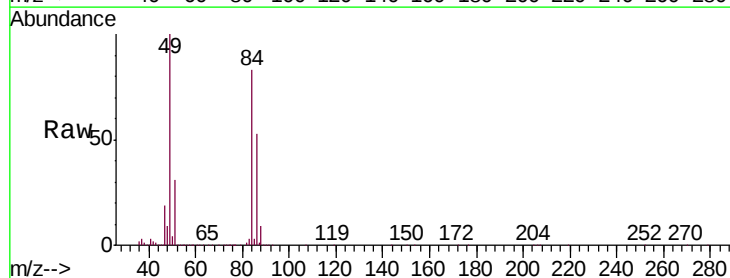
Tgt Ion: 84 Resp: 572152

Ion Ratio Lower Upper

84 100

86 64.2 44.1 81.9

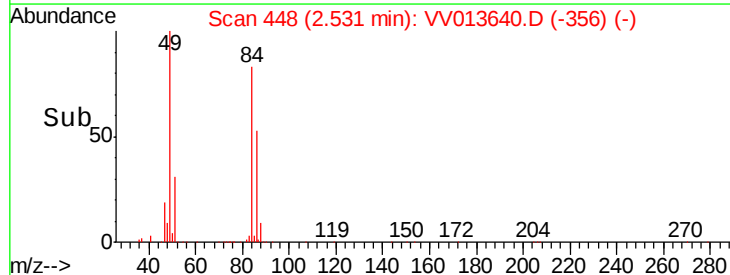
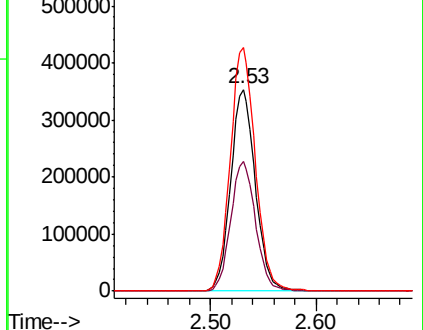
49 120.9 83.4 155.0

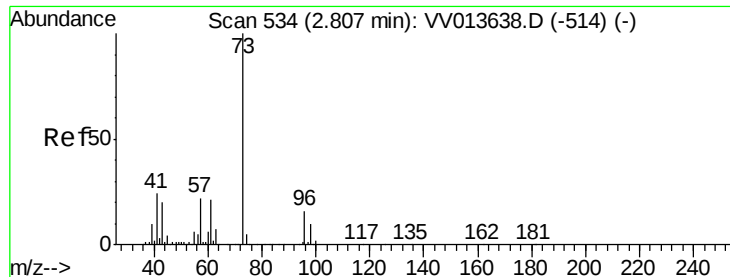


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

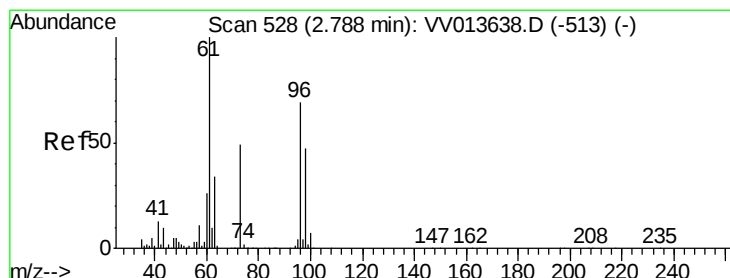
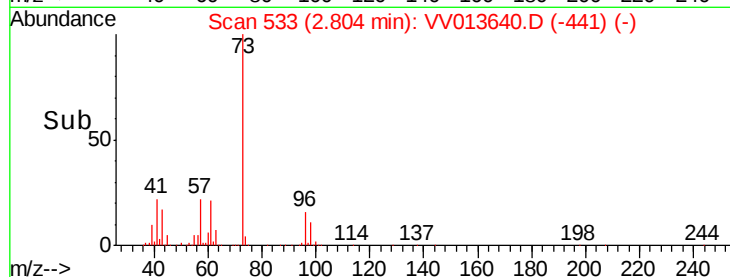
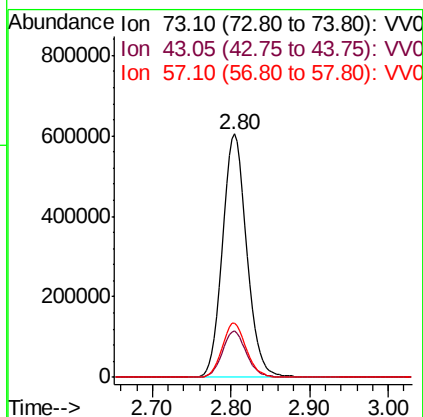
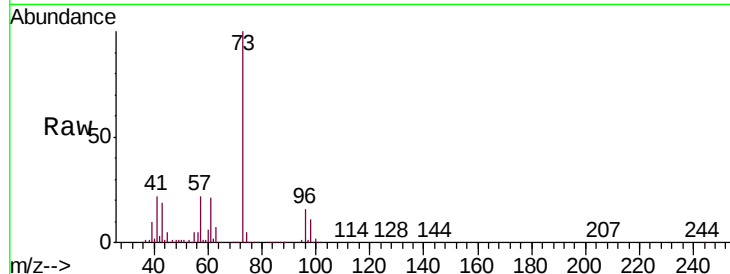




#17
Methyl tert-butyl Ether
Concen: 22.058 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

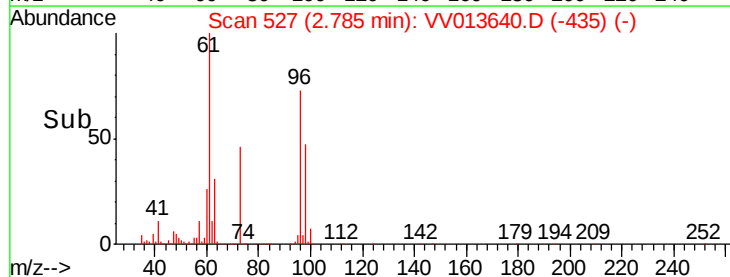
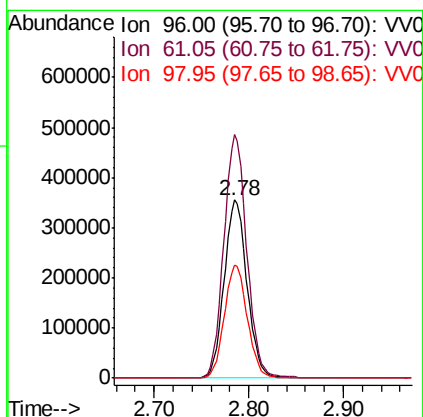
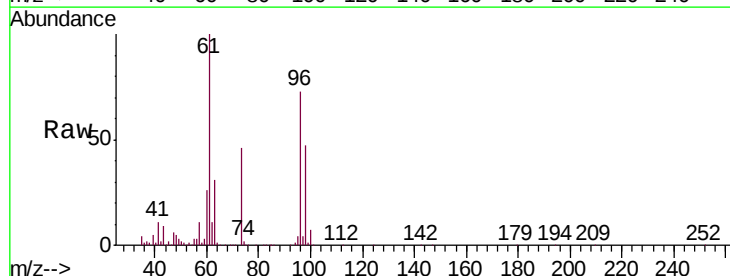
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

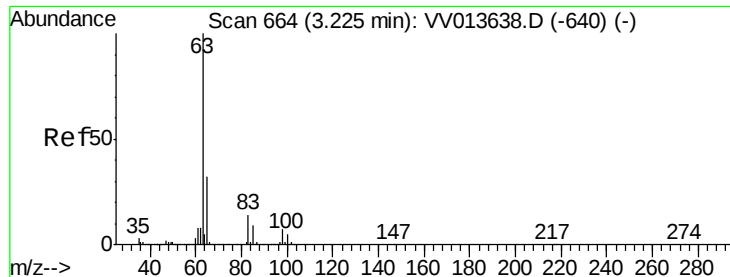
Tgt Ion: 73 Resp: 1282545
Ion Ratio Lower Upper
73 100
43 18.7 15.4 23.0
57 22.3 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 22.456 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

Tgt Ion: 96 Resp: 600645
Ion Ratio Lower Upper
96 100
61 136.6 101.0 187.6
98 63.6 47.0 87.2

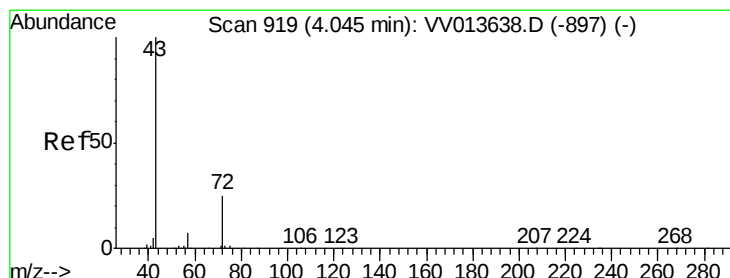
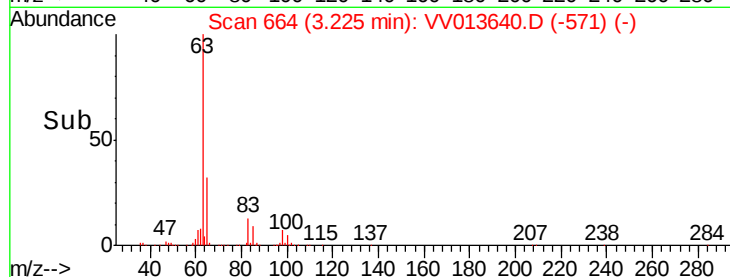
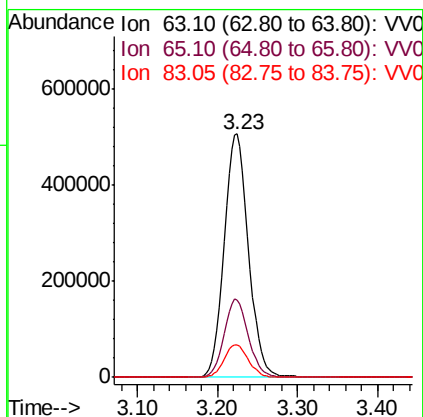
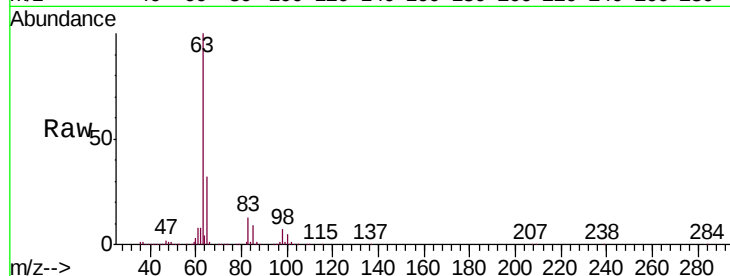




#19
 1,1-Dichloroethane
 Concen: 21.879 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

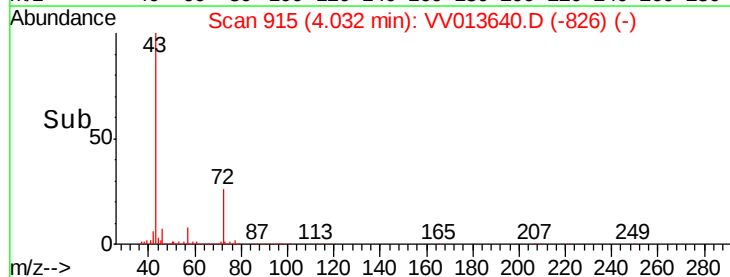
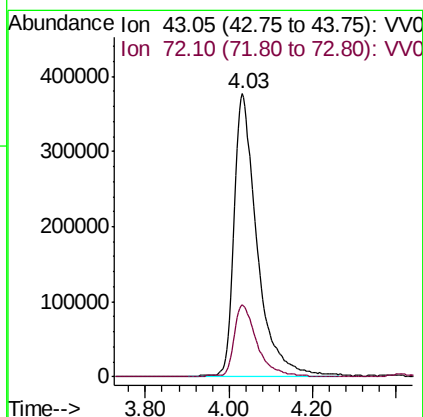
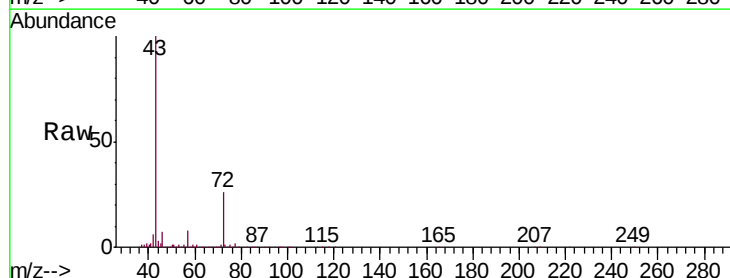
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

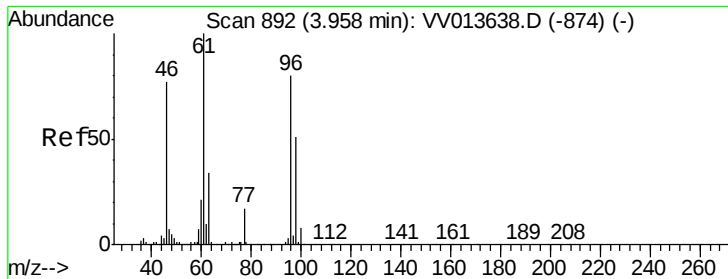
Tgt Ion: 63 Resp: 1057429
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.5 9.7 17.9



#21
 2-Butanone
 Concen: 242.653 ug/L
 RT: 4.03 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion: 43 Resp: 1452367
 Ion Ratio Lower Upper
 43 100
 72 24.3 11.6 34.8



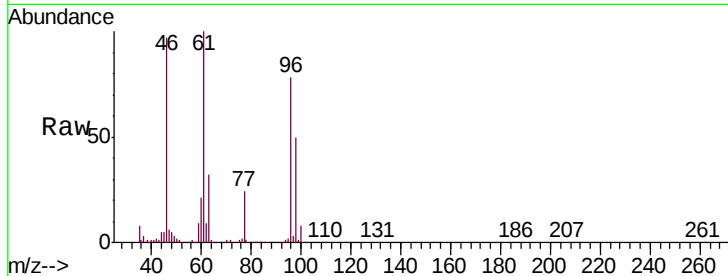


#22

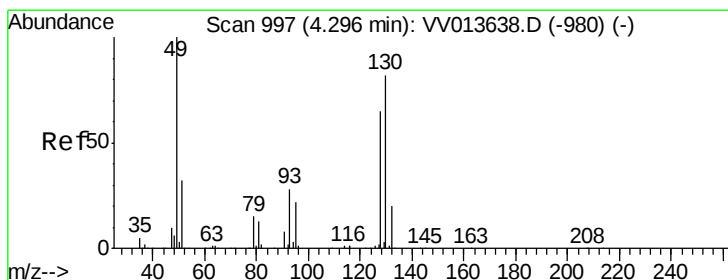
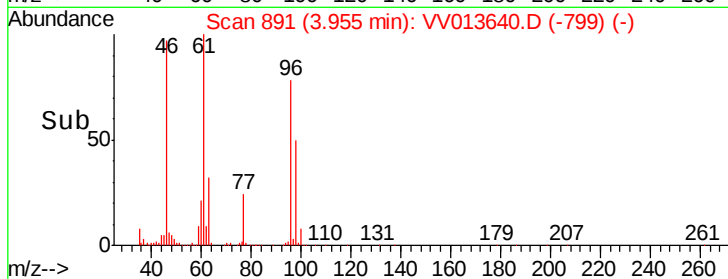
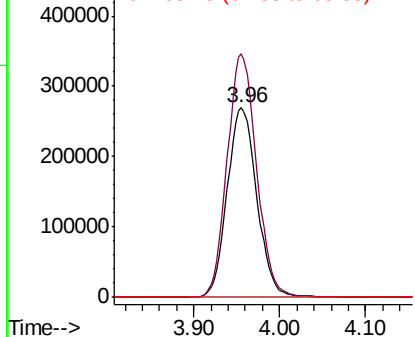
cis-1,2-Dichloroethene
 Concen: 22.229 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion: 96 Resp: 644896
 Ion Ratio Lower Upper
 96 100
 61 128.3 87.7 162.9
 68 0.0 0.1 0.3#



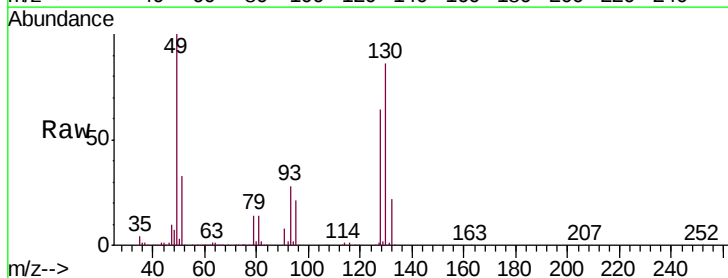
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



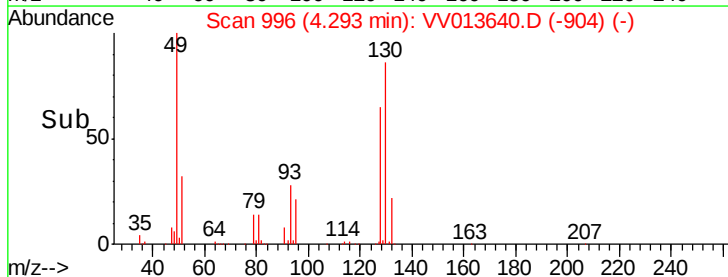
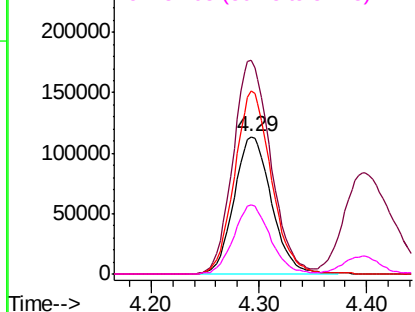
#23

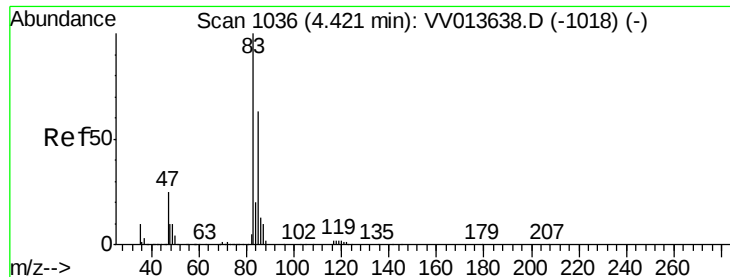
Bromochloromethane
 Concen: 21.128 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion: 128 Resp: 274221
 Ion Ratio Lower Upper
 128 100
 49 155.5 107.2 199.0
 130 133.1 87.9 163.3
 51 50.8 39.4 59.0



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

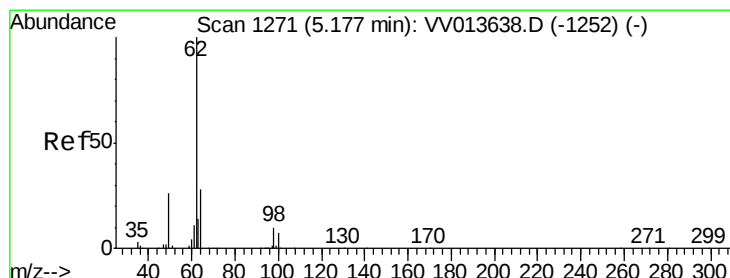
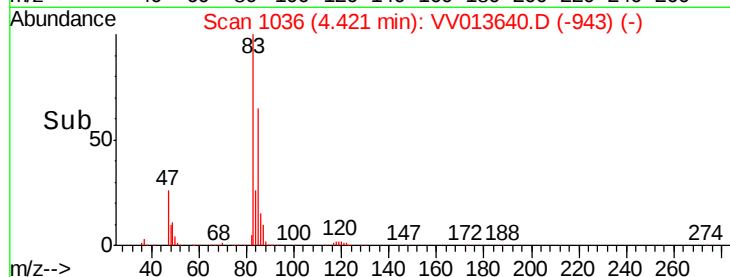
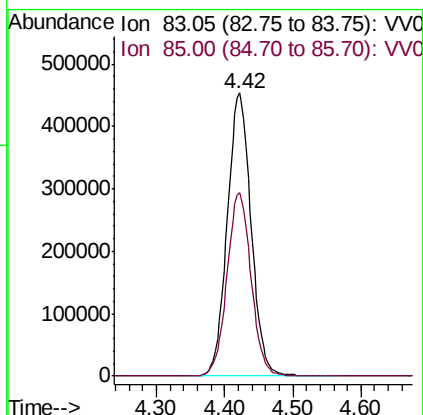
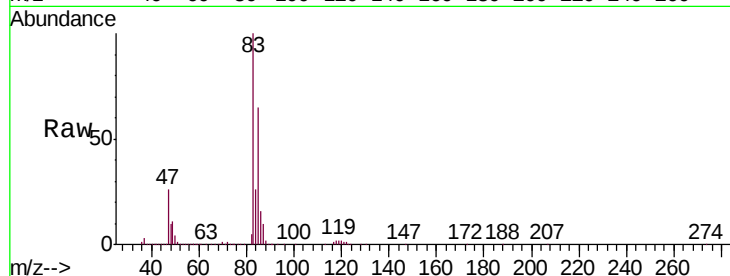




#25
Chloroform
Concen: 18.294 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

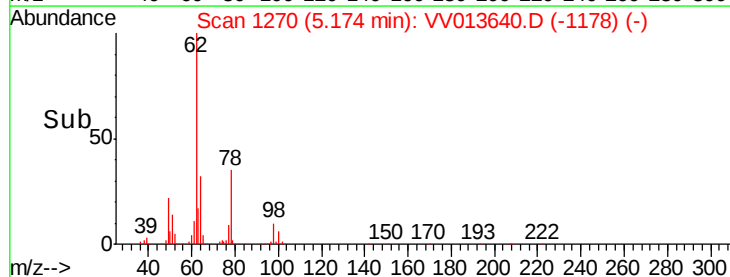
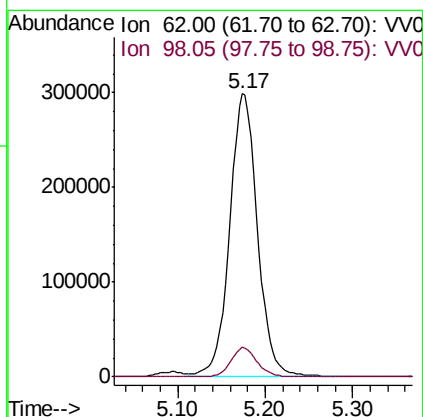
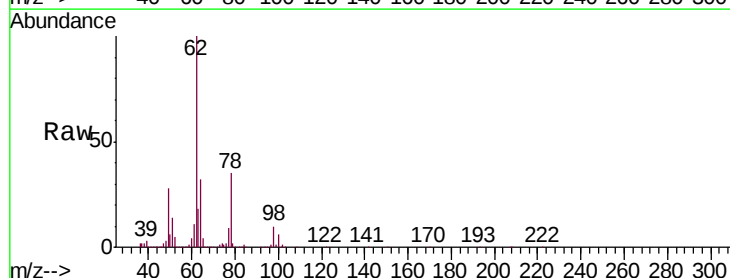
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

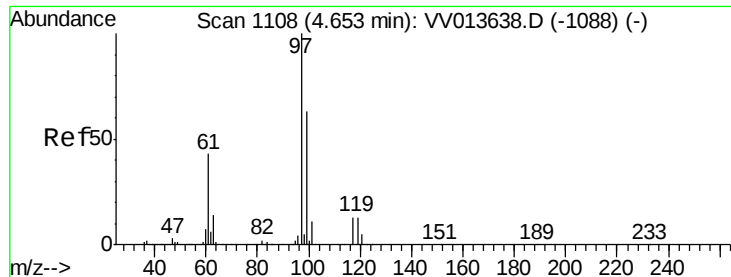
Tgt Ion: 83 Resp: 1099855
Ion Ratio Lower Upper
83 100
85 64.9 44.4 82.5



#27
1,2-Dichloroethane
Concen: 20.503 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

Tgt Ion: 62 Resp: 656819
Ion Ratio Lower Upper
62 100
98 10.4 8.2 12.2

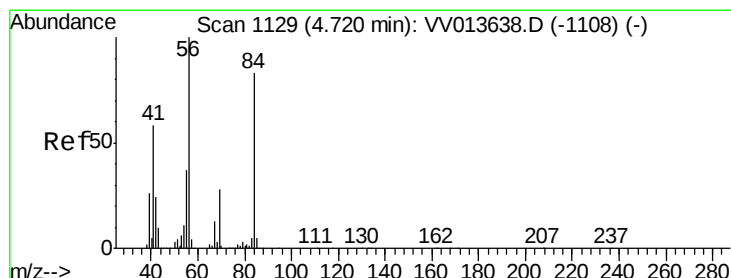
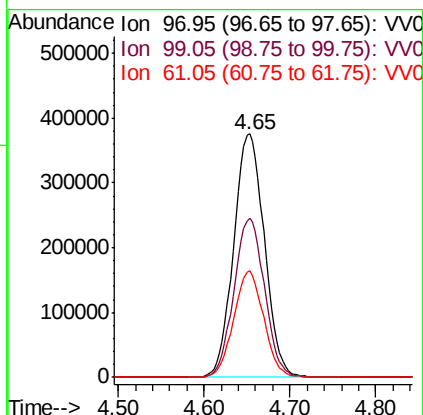
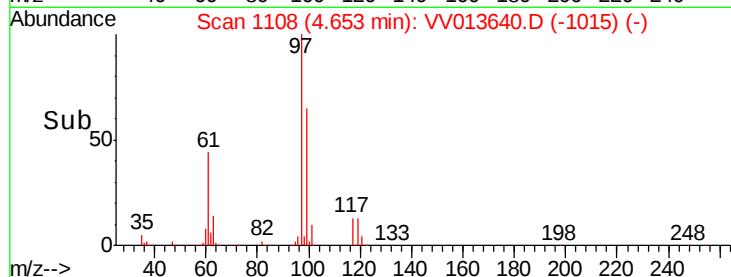
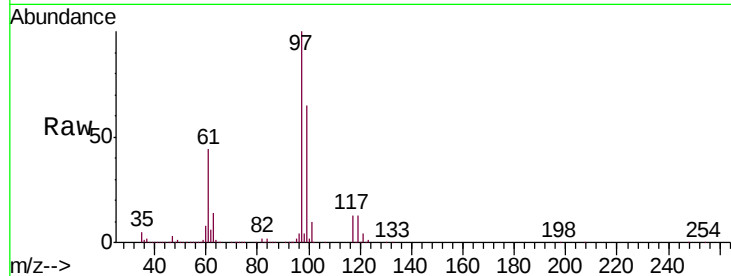




#29
 1,1,1-Trichloroethane
 Concen: 21.534 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

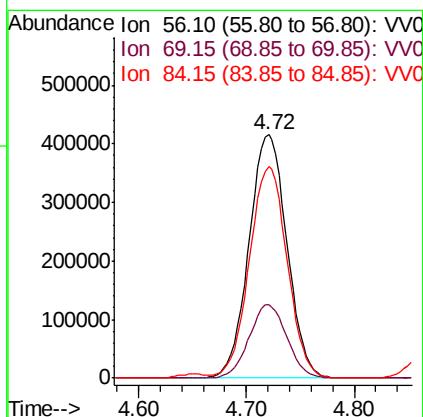
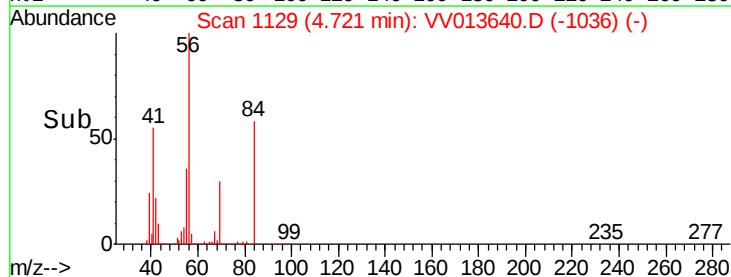
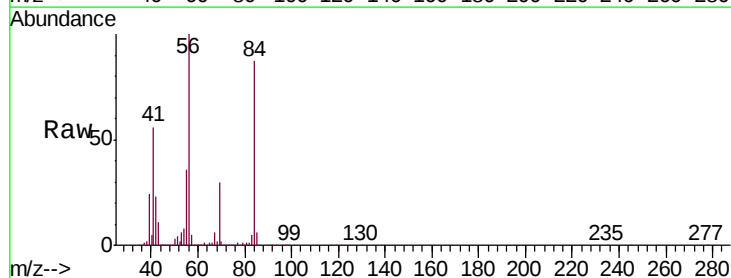
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

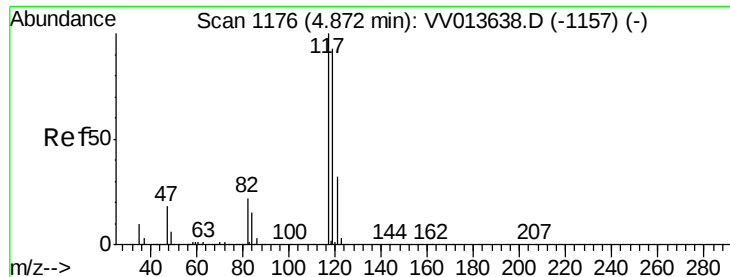
Tgt Ion: 97 Resp: 931781
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.6 79.0
 61 43.0 34.7 52.1



#30
 Cyclohexane
 Concen: 23.492 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion: 56 Resp: 1015063
 Ion Ratio Lower Upper
 56 100
 69 30.1 23.8 35.8
 84 86.7 69.1 103.7

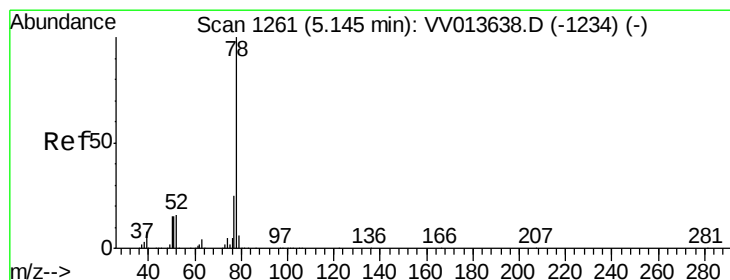
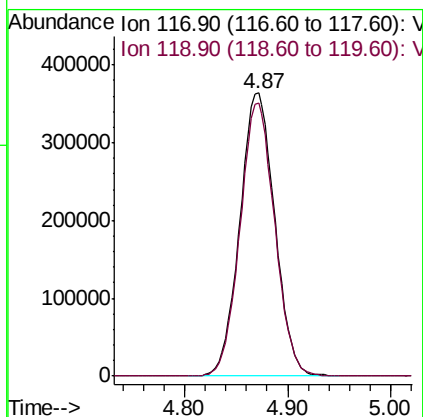
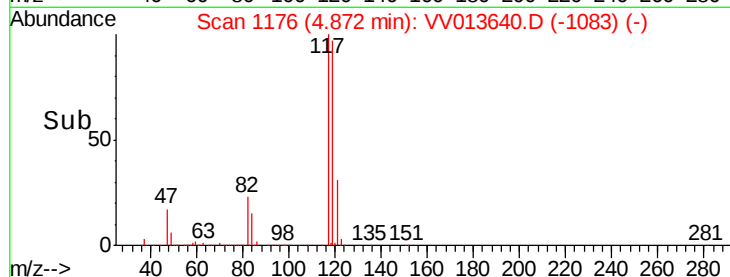
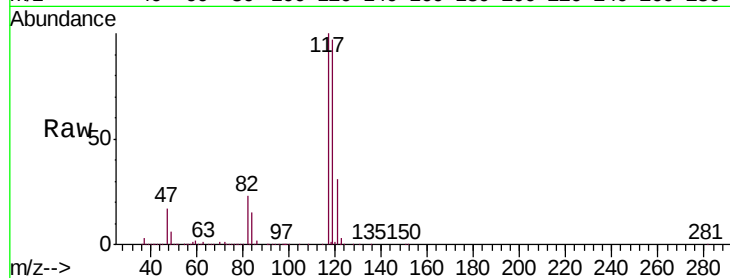




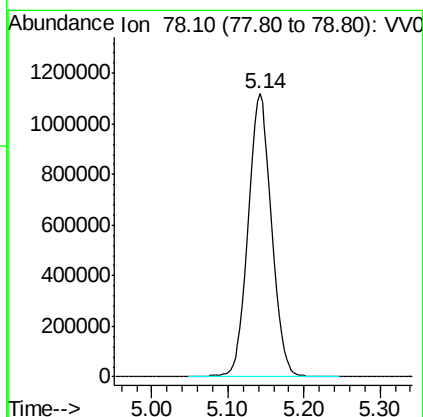
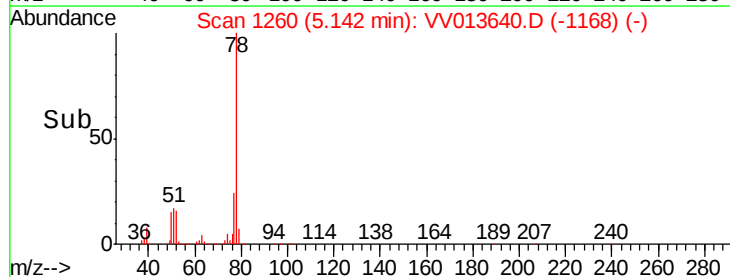
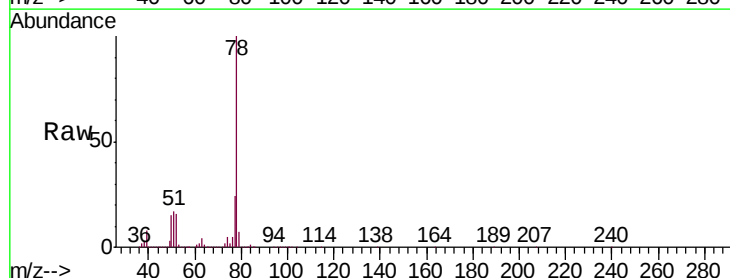
#31
Carbon tetrachloride
Concen: 21.980 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

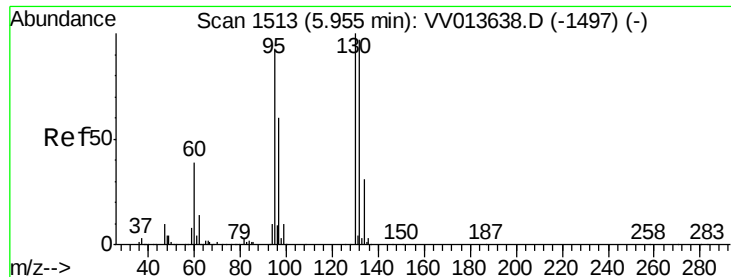
Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion:117 Resp: 858000
Ion Ratio Lower Upper
117 100
119 95.6 74.8 112.2



#33
Benzene
Concen: 21.032 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18
Tgt Ion: 78 Resp: 2402346

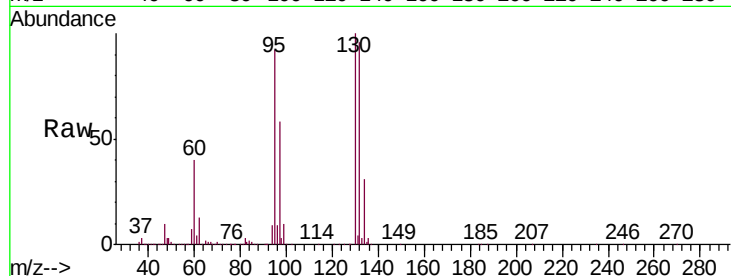




#34
 Trichloroethene
 Concen: 19.407 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

Tgt Ion	Ratio	Lower	Upper
95	100		
97	63.9	44.8	83.2
132	105.2	72.9	135.3
130	109.3	75.1	139.5

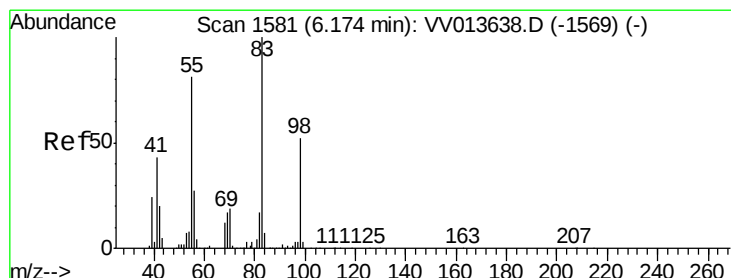
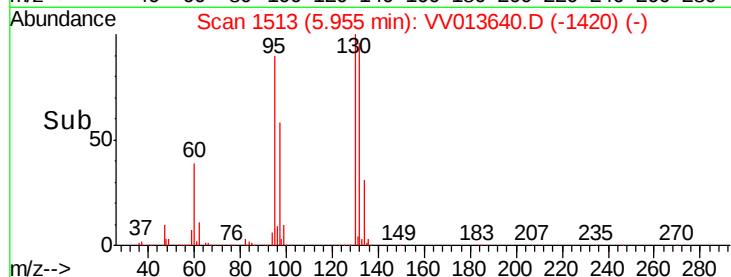
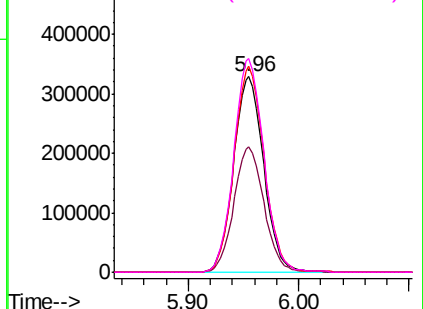


Abundance Ion 95.00 (94.70 to 95.70): VV013640.D (-1497) (-)

Ion 96.95 (96.65 to 97.65): VV013640.D (-1497) (-)

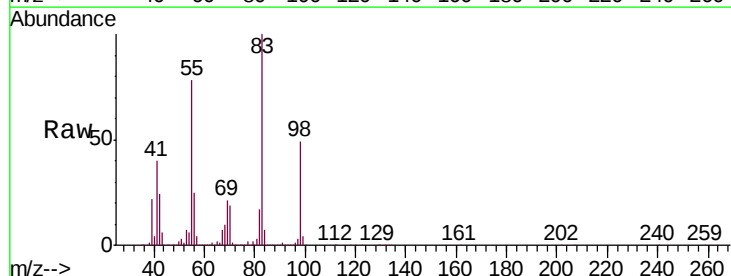
Ion 131.95 (131.65 to 132.65): VV013640.D (-1497) (-)

Ion 129.95 (129.65 to 130.65): VV013640.D (-1497) (-)



#35
 Methylcyclohexane
 Concen: 22.390 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

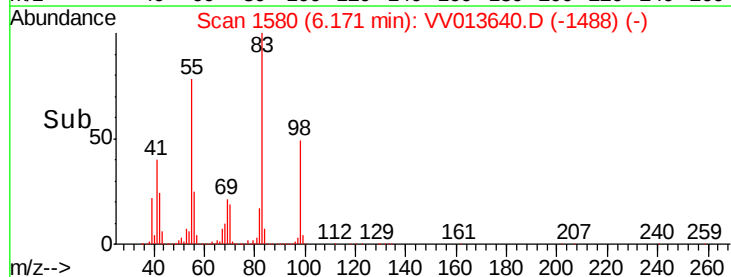
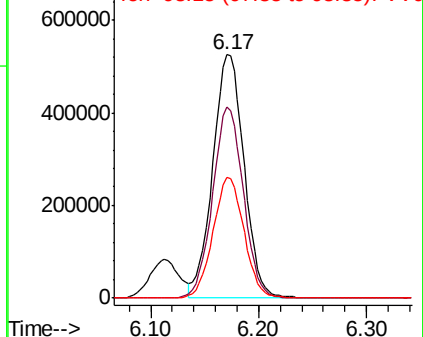
Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.3	64.1	96.1
98	49.1	38.2	57.2

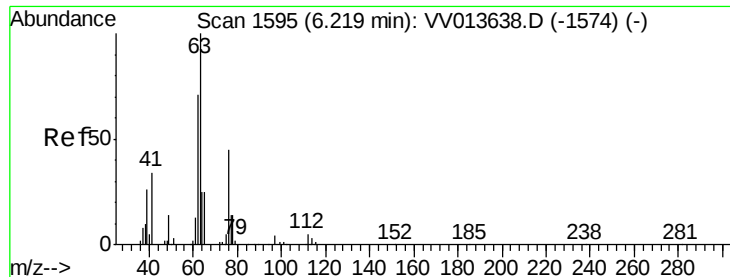


Abundance Ion 83.15 (82.85 to 83.85): VV013640.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013640.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013640.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 19.950 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

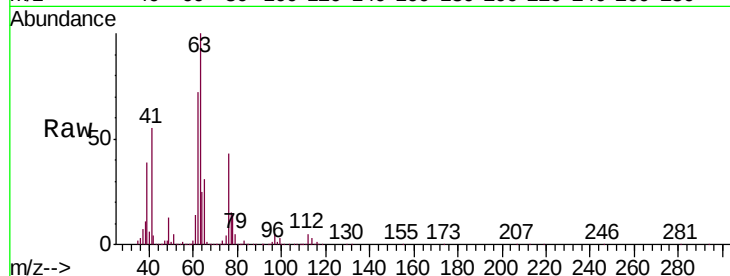
VSTD02035

Tgt Ion: 63 Resp: 587231

Ion Ratio Lower Upper

63 100

112 4.9 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VV013638.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013638.D (-1574) (-)

6.22

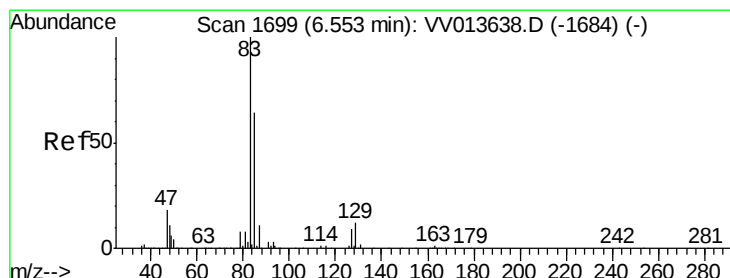
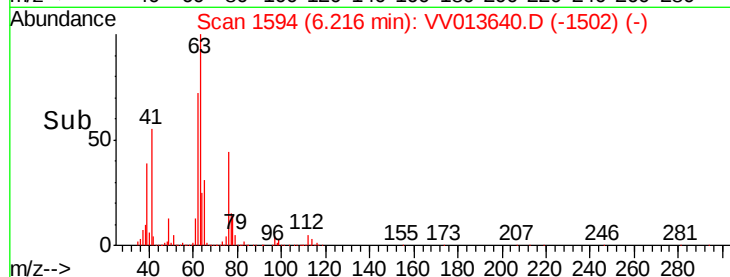
300000

200000

100000

0

Time-->



#38

Bromodichloromethane

Concen: 18.960 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

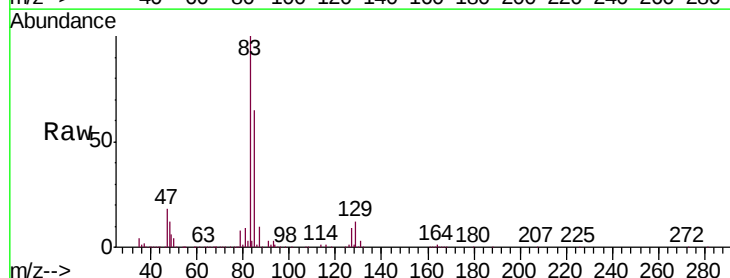
Tgt Ion: 83 Resp: 763297

Ion Ratio Lower Upper

83 100

85 64.8 44.9 83.5

127 9.2 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013638.D (-1684) (-)

Ion 85.00 (84.70 to 85.70): VV013638.D (-1684) (-)

Ion 126.90 (126.60 to 127.60): VV013638.D (-1684) (-)

6.55

500000

400000

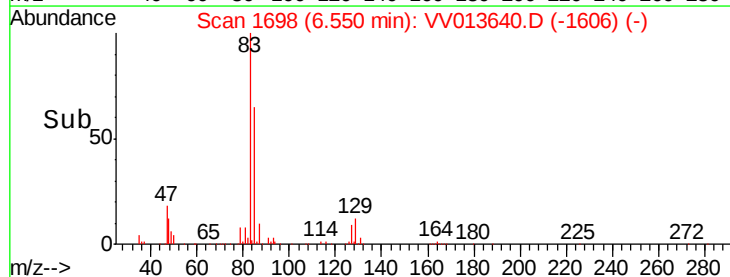
300000

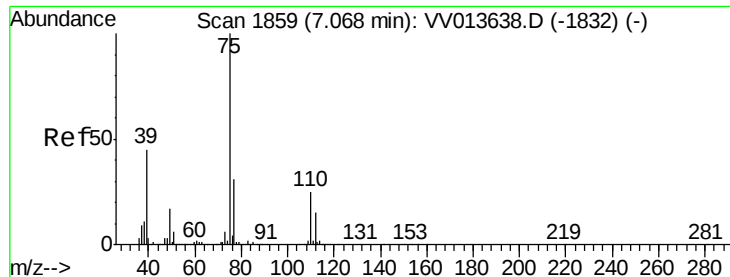
200000

100000

0

Time-->

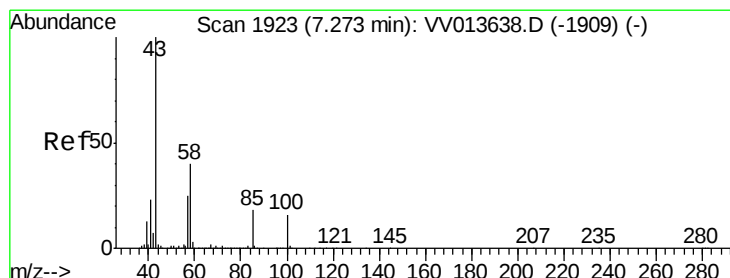
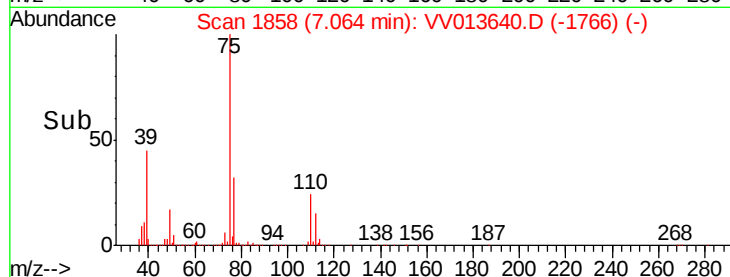
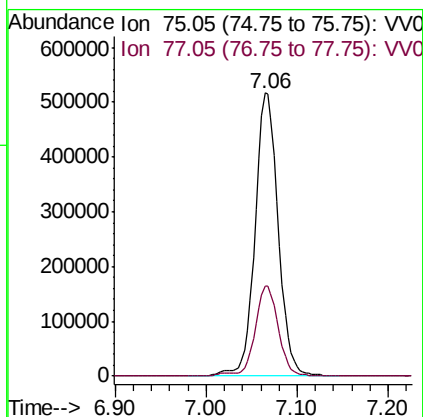
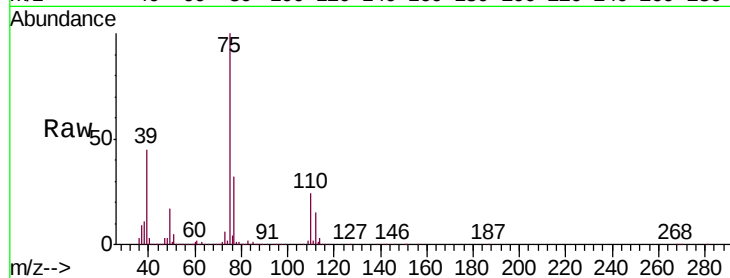




#39
 cis-1,3-Dichloropropene
 Concen: 22.058 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

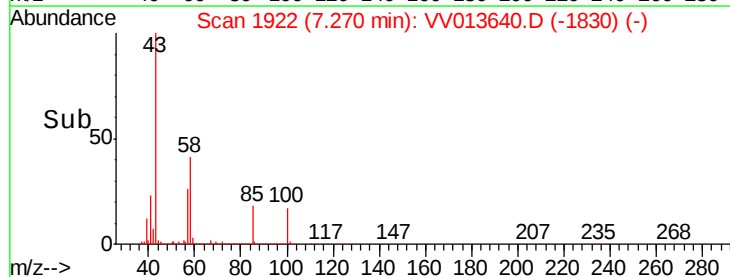
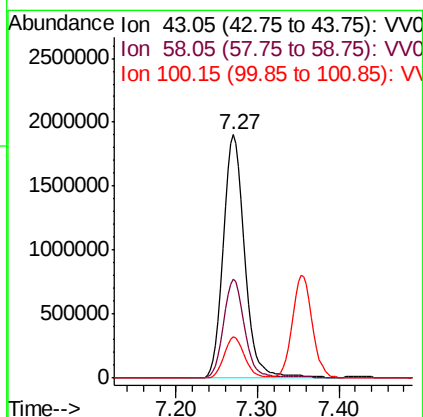
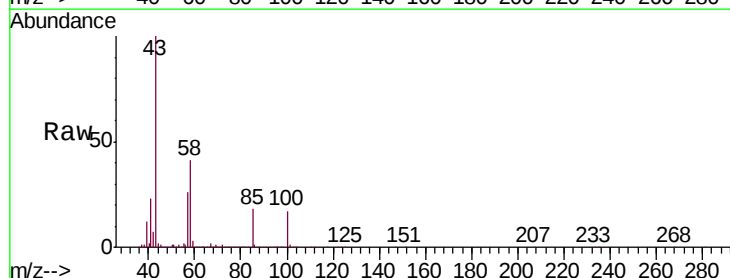
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

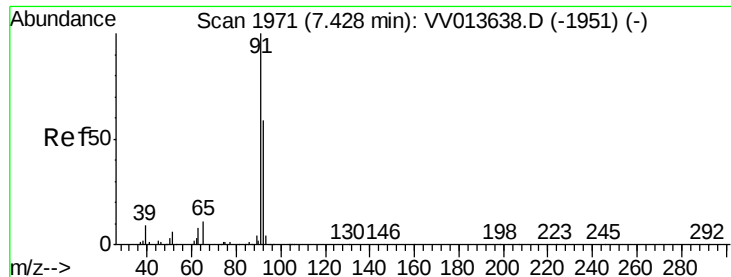
Tgt Ion: 75 Resp: 912070
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 213.189 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion: 43 Resp: 3545902
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3
 100 16.3 12.2 18.4





#42

Toluene

Concen: 20.875 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

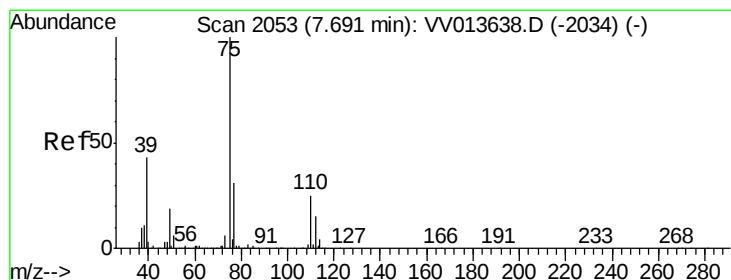
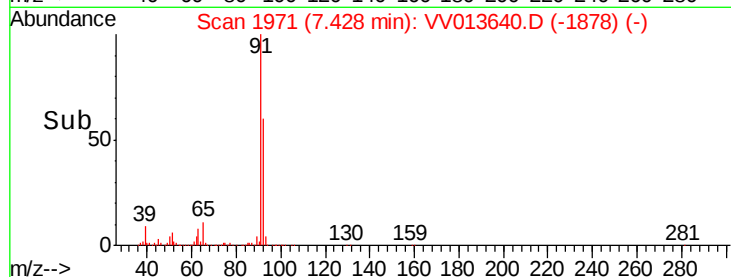
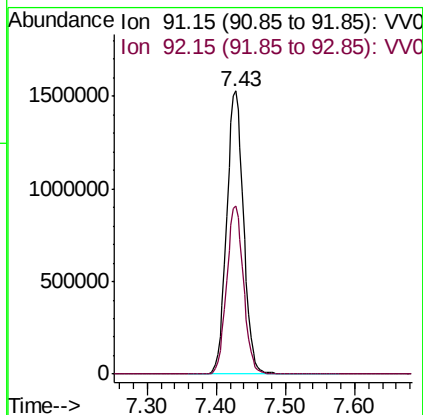
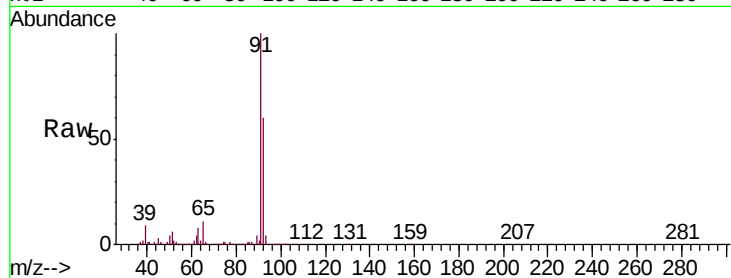
VSTD02035

Tgt Ion: 91 Resp: 2594827

Ion Ratio Lower Upper

91 100

92 59.5 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 22.366 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013640.D

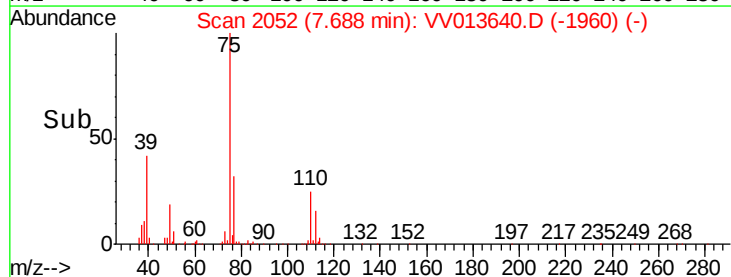
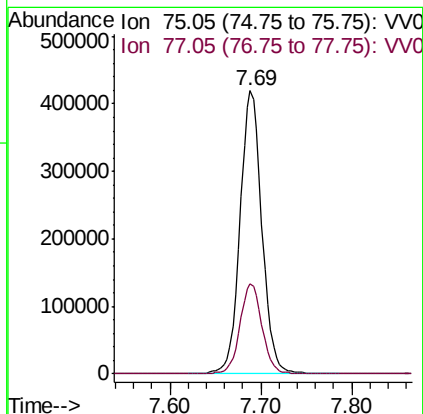
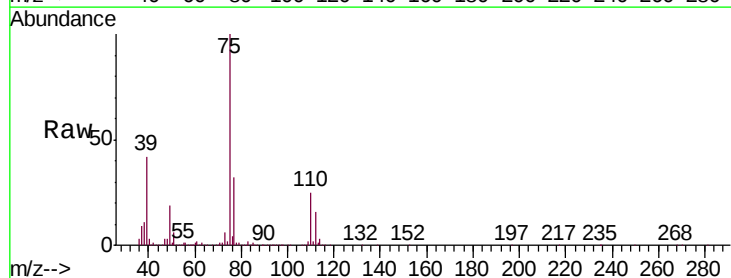
Acq: 15 Nov 2019 14:18

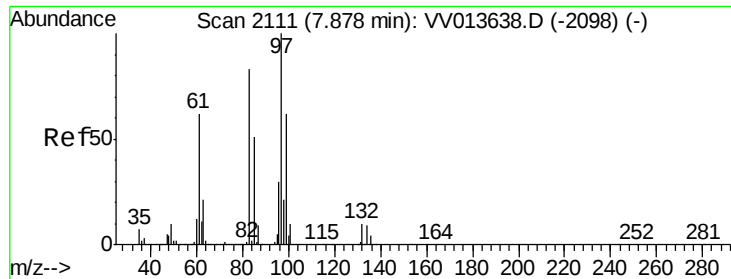
Tgt Ion: 75 Resp: 698180

Ion Ratio Lower Upper

75 100

77 31.8 21.6 40.2

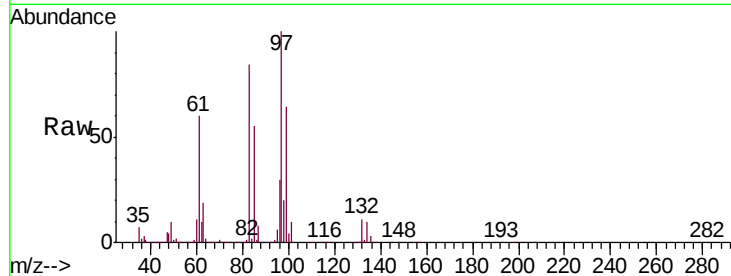




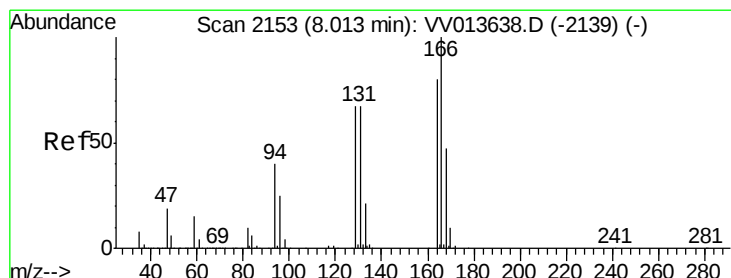
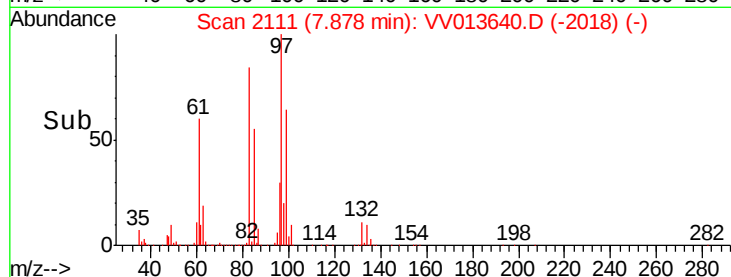
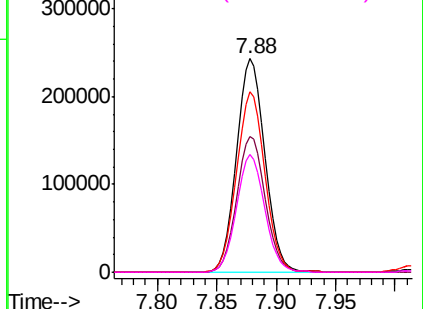
#45
1,1,2-Trichloroethane
Concen: 19.056 ug/L
RT: 7.88 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion:	97	Resp:	403373
Ion	Ratio	Lower	Upper
97	100		
99	63.6	43.8	81.3
83	84.3	58.0	107.8
85	55.1	36.0	67.0

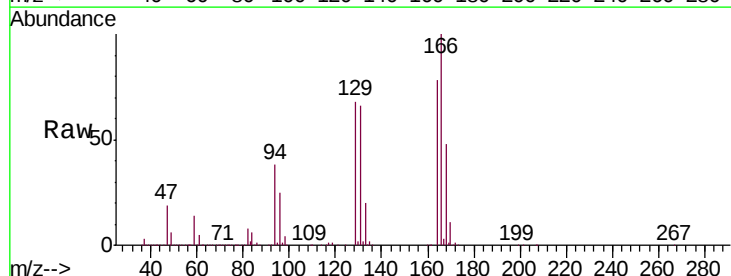


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

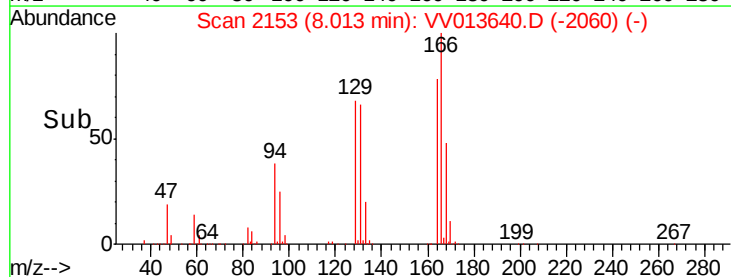
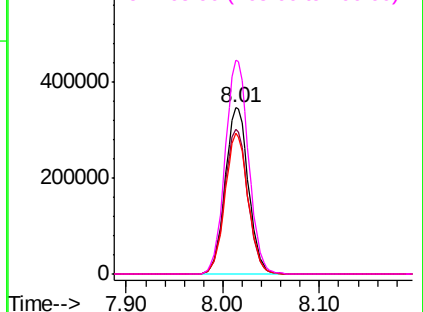


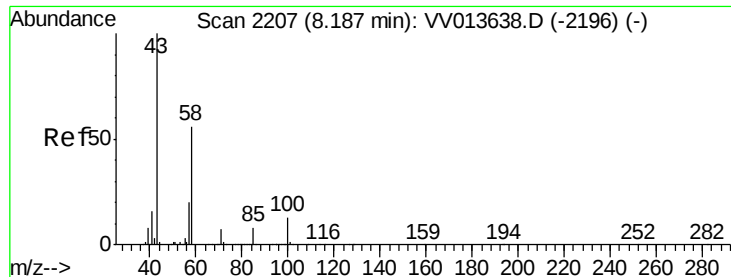
#47
Tetrachloroethene
Concen: 19.615 ug/L
RT: 8.01 min Scan# 2153
Delta R.T. 0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

Tgt Ion:	164	Resp:	574896
Ion	Ratio	Lower	Upper
164	100		
129	87.3	59.1	109.9
131	84.5	58.9	109.5
166	128.6	87.8	163.2



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



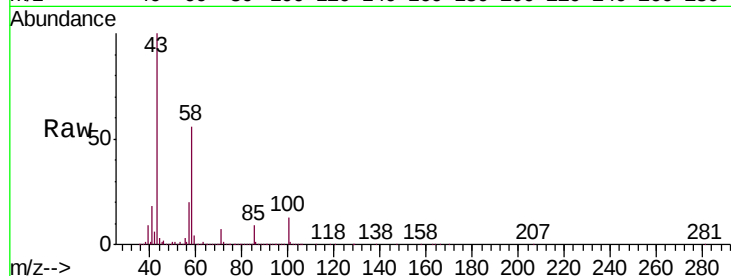


#48
2-Hexanone
Concen: 214.730 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD02035

Tgt Ion: 43 Resp: 2481451

Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.0	64.6
57	19.4	15.4	23.2
100	13.2	10.1	15.1

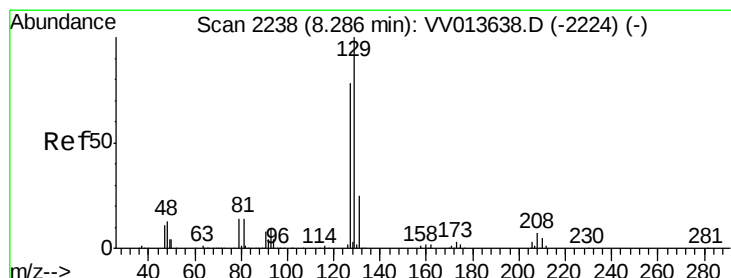
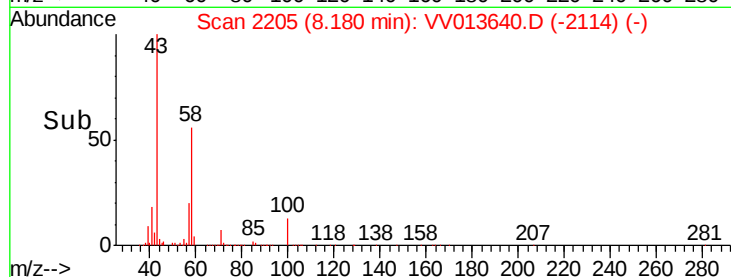
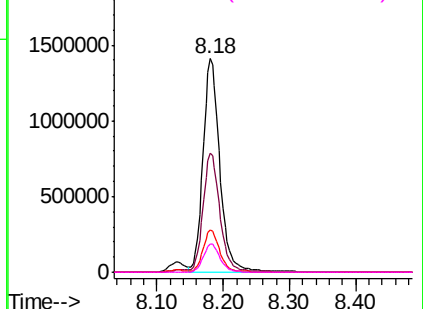


Abundance Ion 43.05 (42.75 to 43.75): VV013638.D (-2196) (-)

Ion 58.05 (57.75 to 58.75): VV013638.D (-2196) (-)

Ion 57.20 (56.90 to 57.90): VV013638.D (-2196) (-)

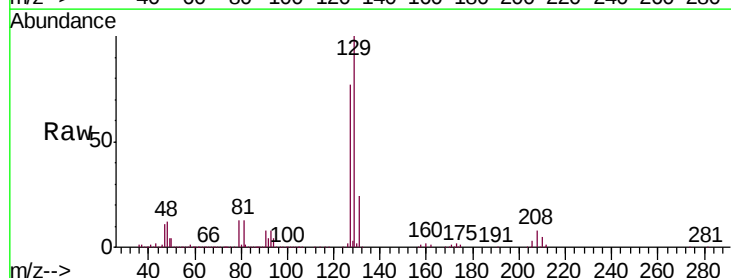
Ion 100.15 (99.85 to 100.85): VV013638.D (-2196) (-)



#49
Dibromochloromethane
Concen: 20.165 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013640.D
Acq: 15 Nov 2019 14:18

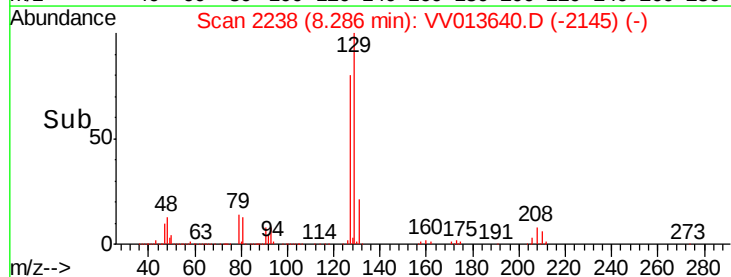
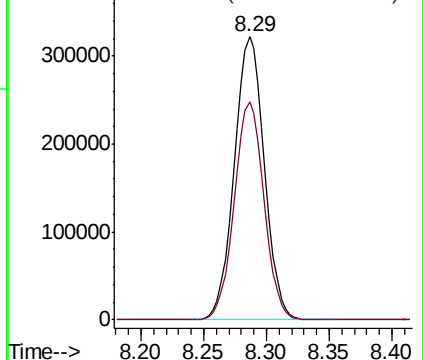
Tgt Ion: 129 Resp: 535333

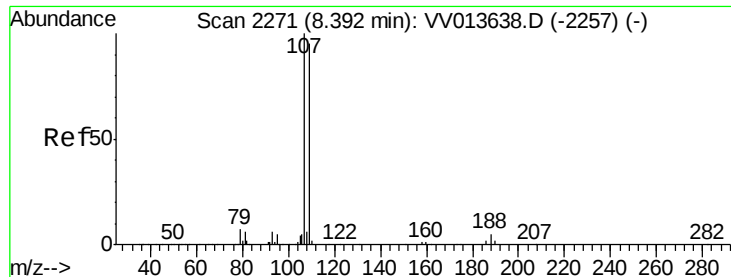
Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.5	101.3



Abundance Ion 128.95 (128.65 to 129.65): VV013638.D (-2224) (-)

Ion 126.90 (126.60 to 127.60): VV013638.D (-2224) (-)

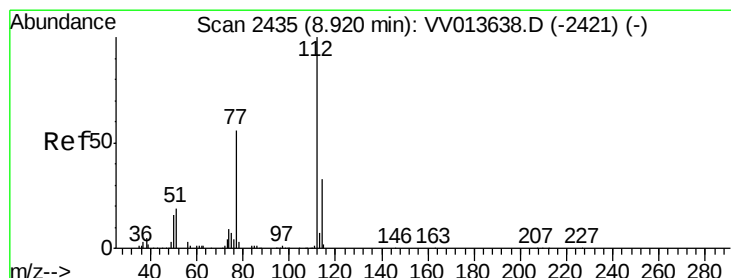
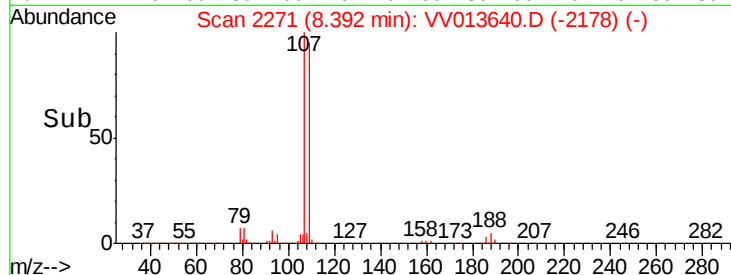
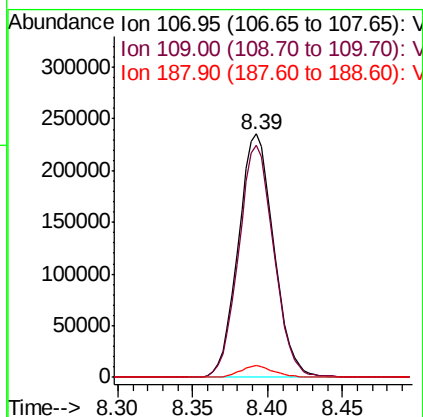
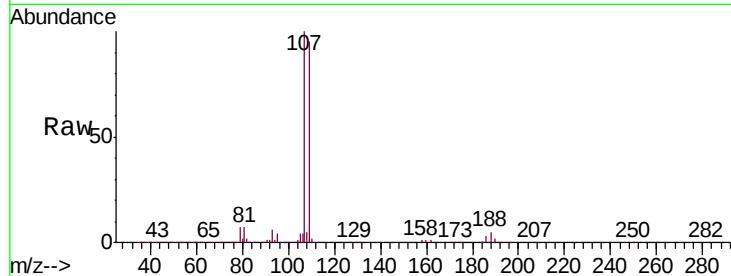




#50
 1,2-Dibromoethane
 Concen: 20.074 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

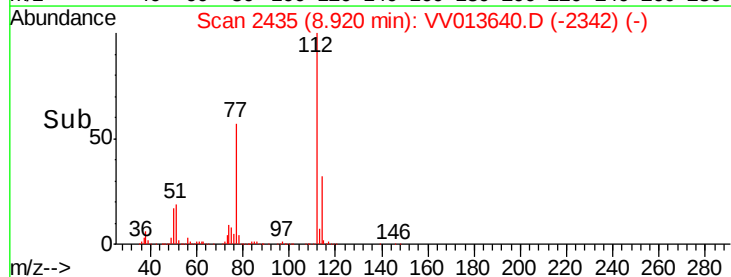
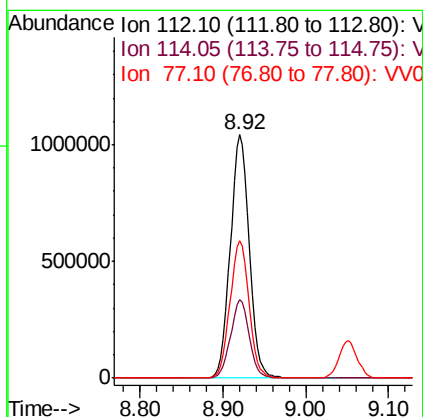
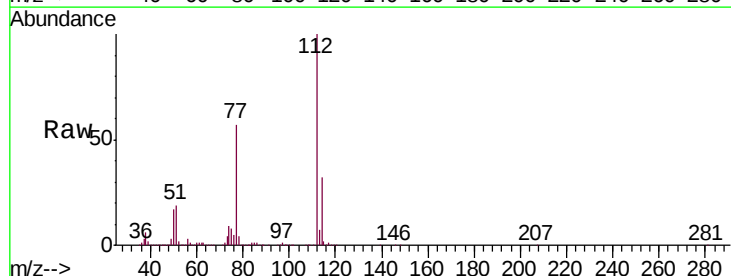
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

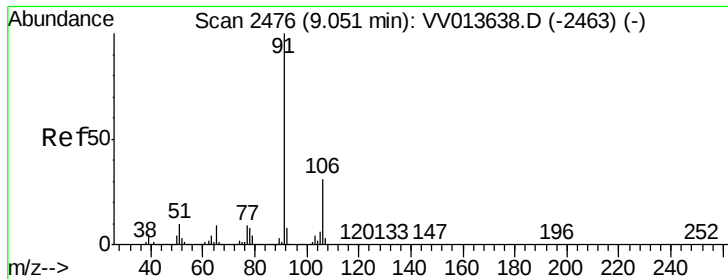
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.5	123.5
188	4.9	3.6	5.4



#51
 Chlorobenzene
 Concen: 20.364 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.8	42.4
77	56.6	45.0	67.4





#52

Ethylbenzene

Concen: 22.143 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

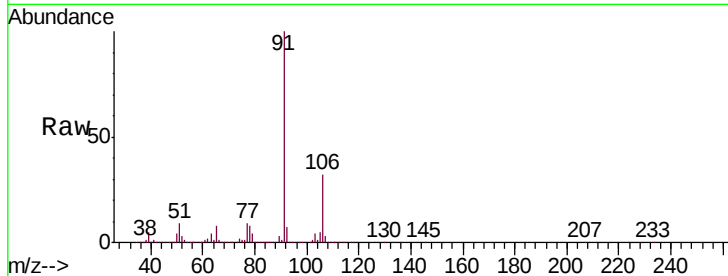
VSTD02035

Tgt Ion: 91 Resp: 2903770

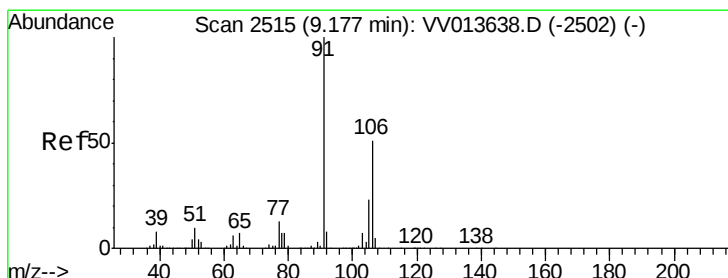
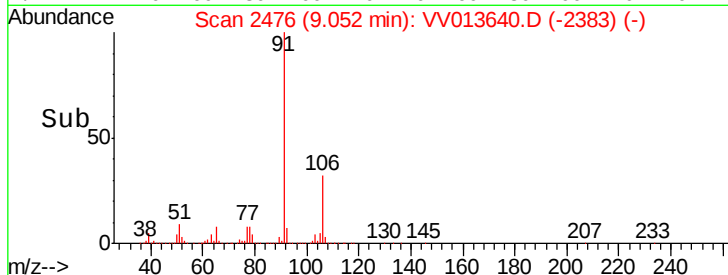
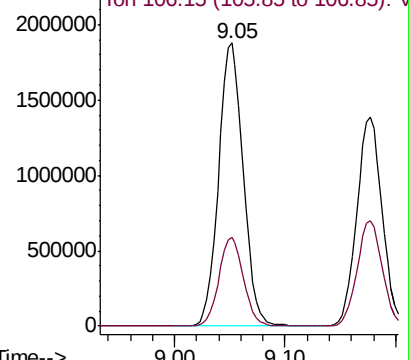
Ion Ratio Lower Upper

91 100

106 31.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013640.D (-2383) (-)



#53

m,p-xylene

Concen: 22.309 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013640.D

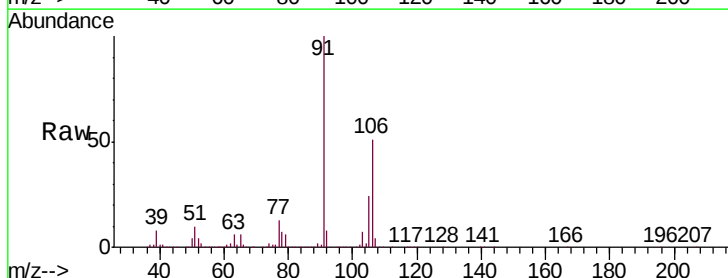
Acq: 15 Nov 2019 14:18

Tgt Ion: 106 Resp: 1114398

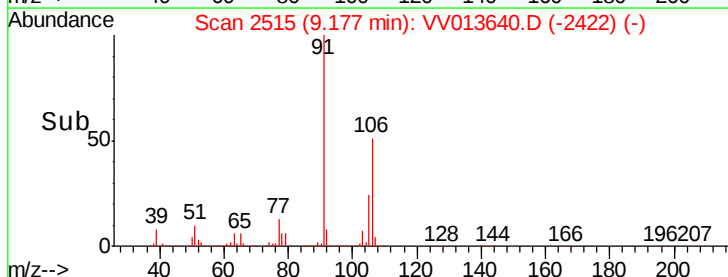
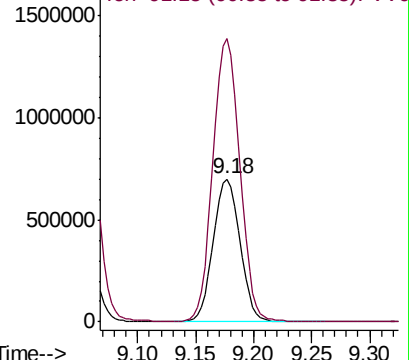
Ion Ratio Lower Upper

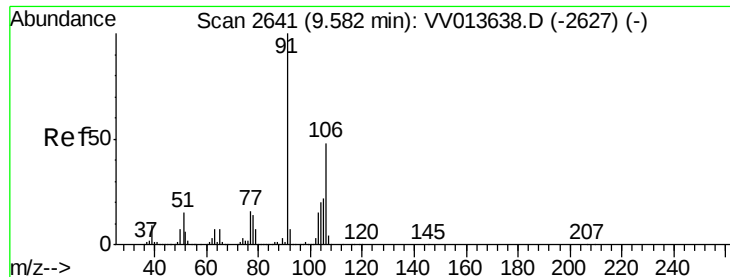
106 100

91 198.0 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013640.D (-2422) (-)





#54

o-xylene

Concen: 22.786 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

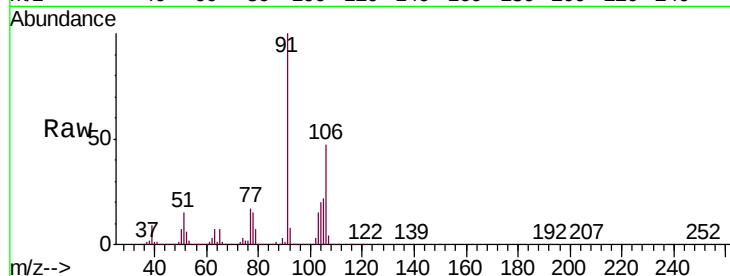
VSTD02035

Tgt Ion:106 Resp: 1072689

Ion Ratio Lower Upper

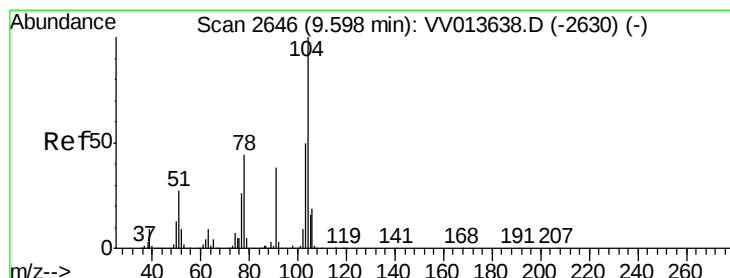
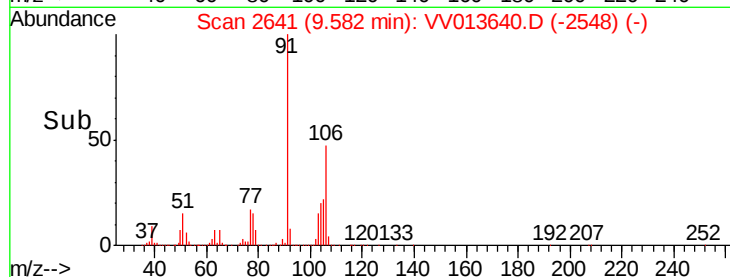
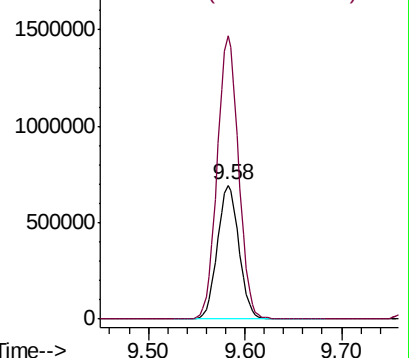
106 100

91 211.7 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 22.613 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013640.D

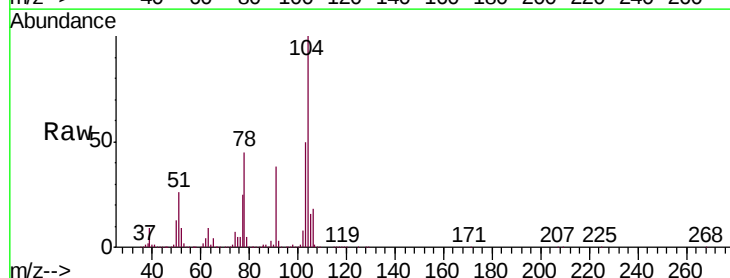
Acq: 15 Nov 2019 14:18

Tgt Ion:104 Resp: 1831148

Ion Ratio Lower Upper

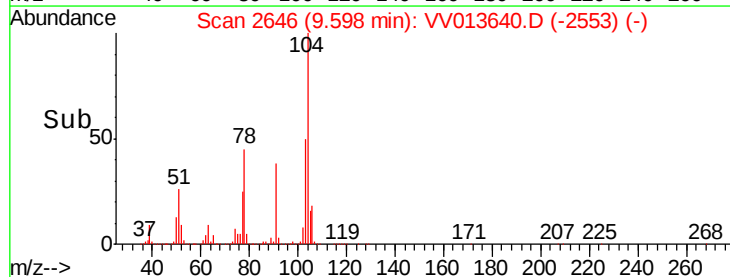
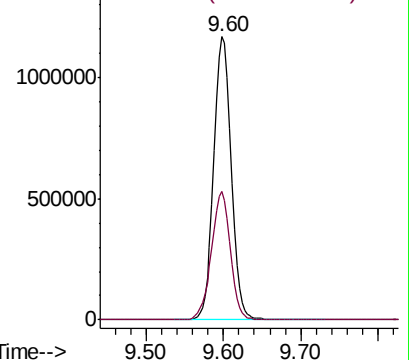
104 100

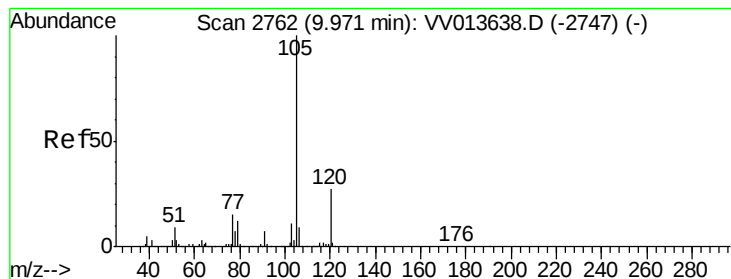
78 45.2 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 22.936 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

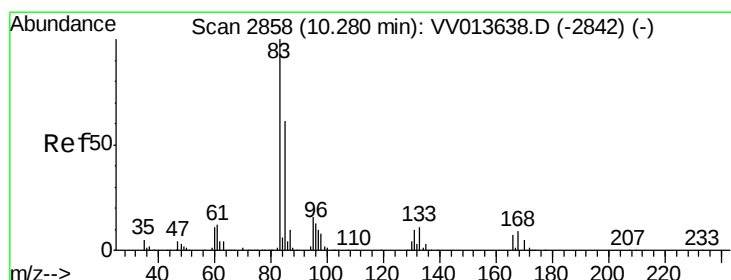
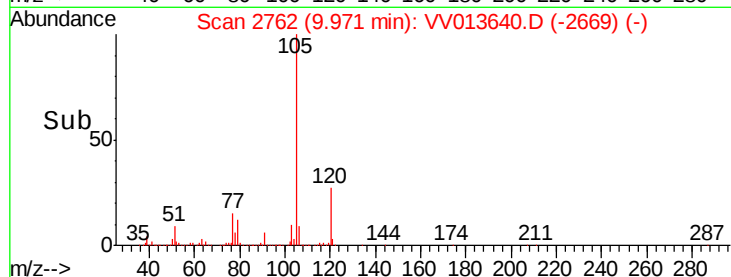
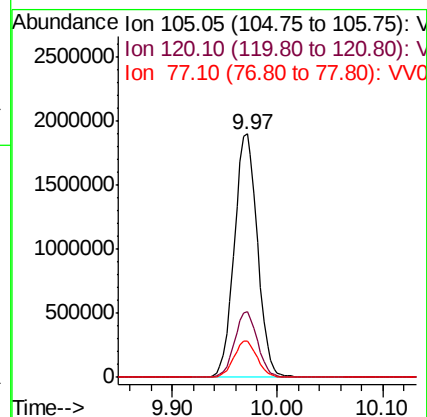
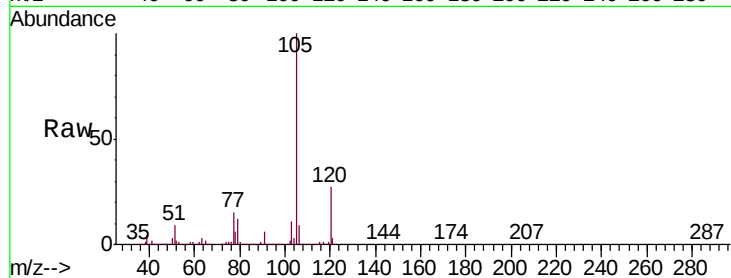
Tgt Ion: 105 Resp: 2879421

Ion Ratio Lower Upper

105 100

120 26.8 21.2 31.8

77 15.0 11.9 17.9



#58

1,1,2,2-Tetrachloroethane

Concen: 20.184 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

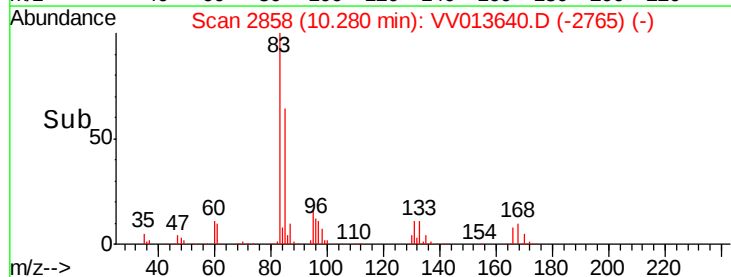
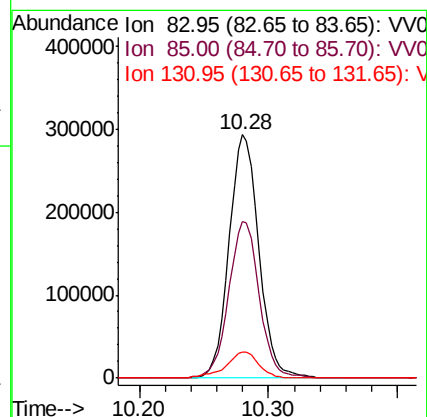
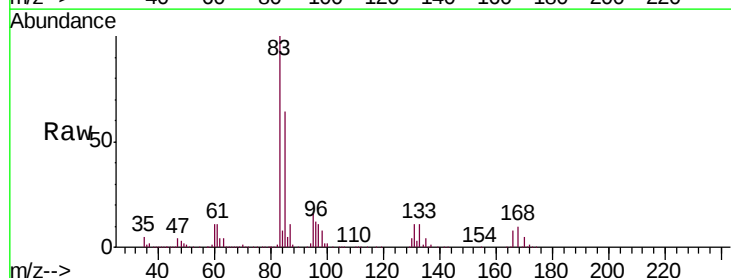
Tgt Ion: 83 Resp: 469779

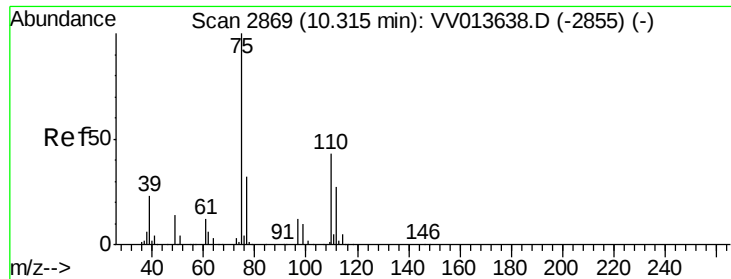
Ion Ratio Lower Upper

83 100

85 64.5 43.0 80.0

131 10.9 8.3 12.5





#59

1,2,3-Trichloropropane

Concen: 19.397 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

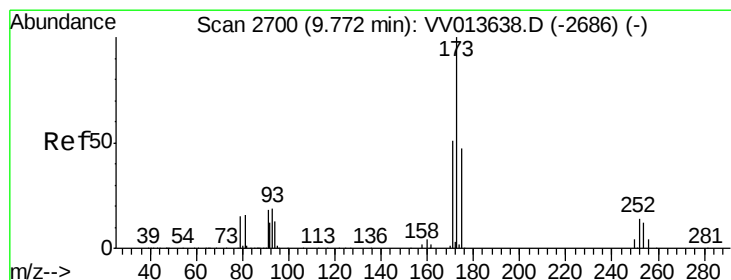
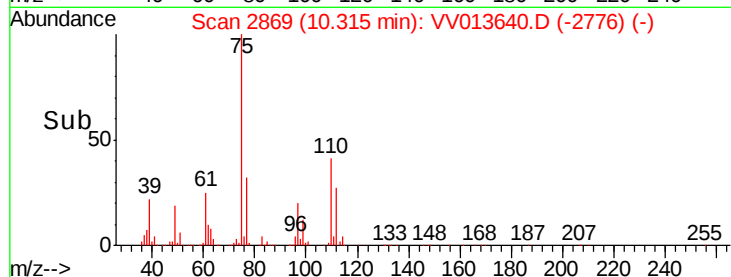
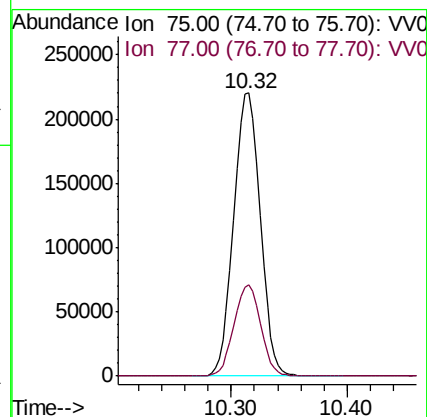
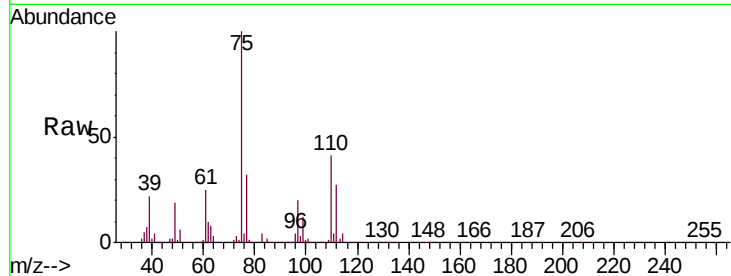
VSTD02035

Tgt Ion: 75 Resp: 348204

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#61

Bromoform

Concen: 19.825 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

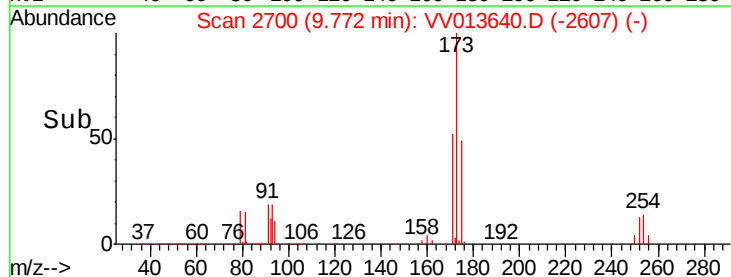
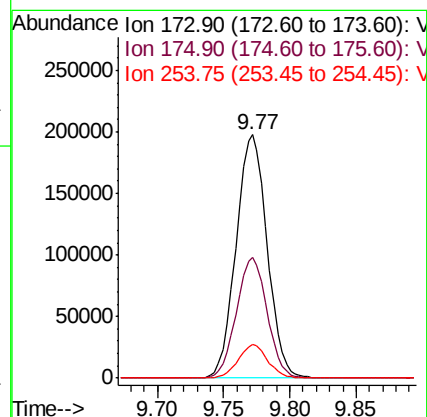
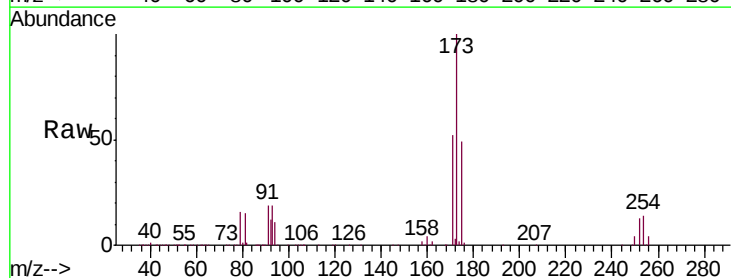
Tgt Ion: 173 Resp: 321322

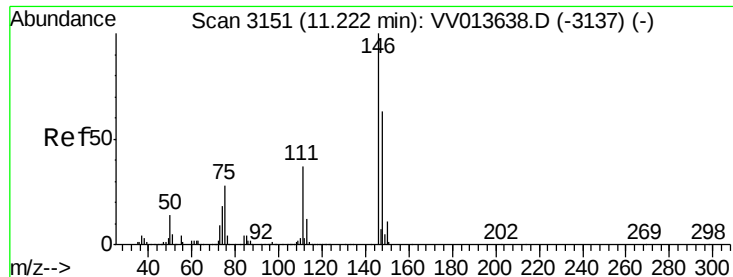
Ion Ratio Lower Upper

173 100

175 49.2 38.2 57.2

254 13.1 10.4 15.6

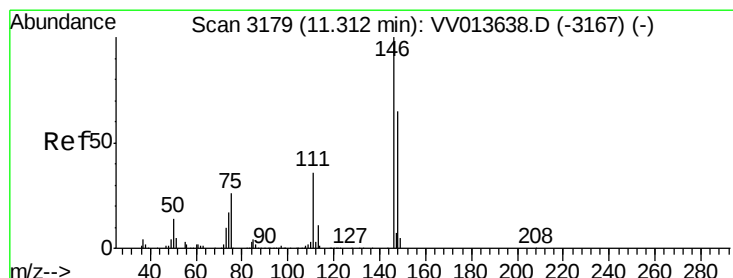
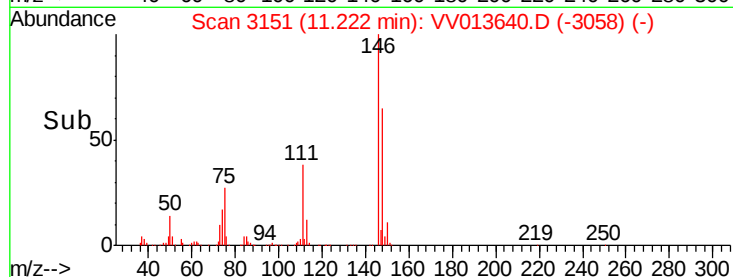
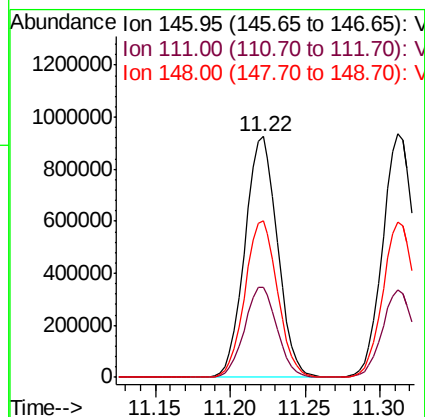
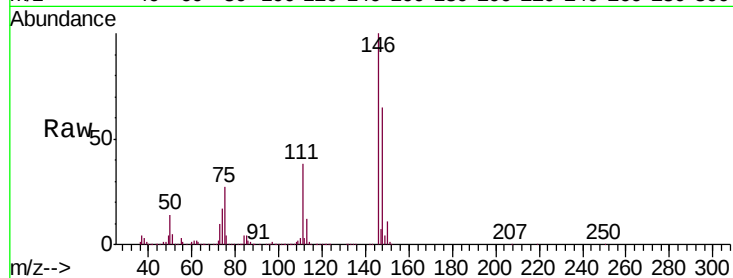




#62
 1,3-Dichlorobenzene
 Concen: 20.164 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

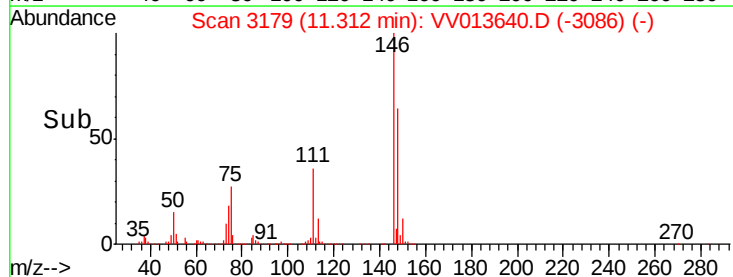
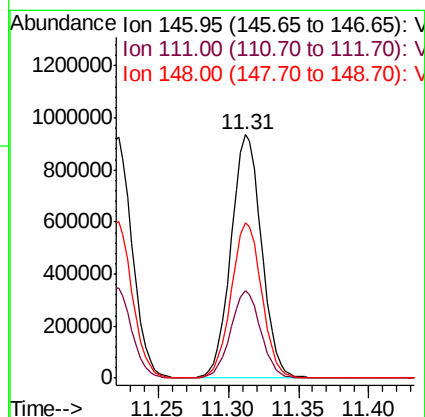
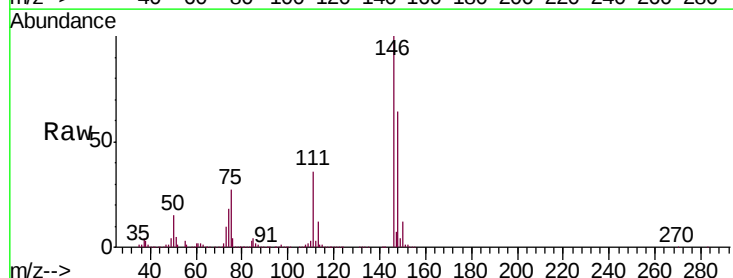
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02035

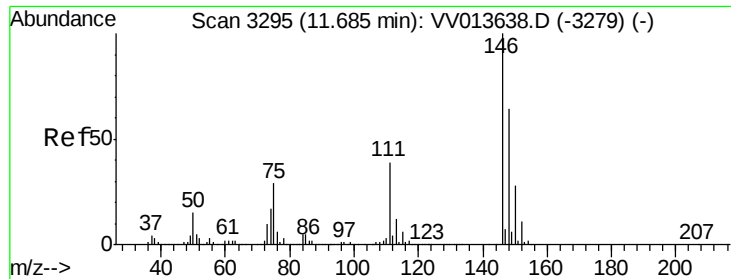
Tgt Ion:146 Resp: 1405384
 Ion Ratio Lower Upper
 146 100
 111 37.6 26.2 48.6
 148 65.2 44.4 82.5



#63
 1,4-Dichlorobenzene
 Concen: 19.792 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion:146 Resp: 1412871
 Ion Ratio Lower Upper
 146 100
 111 35.7 25.6 47.6
 148 63.6 45.6 84.8

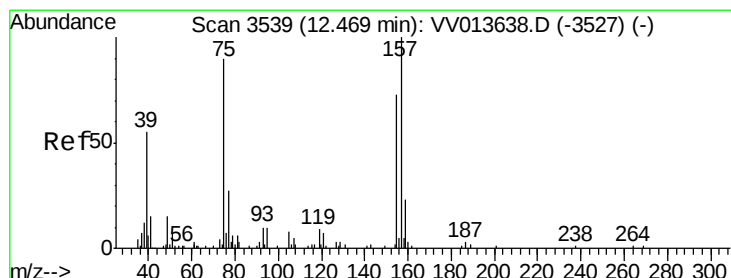
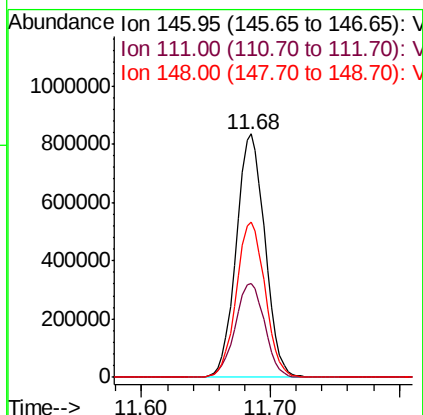
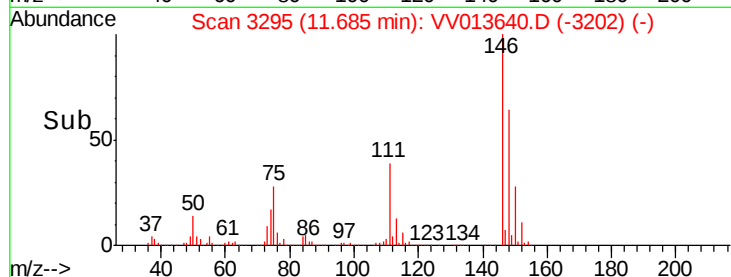
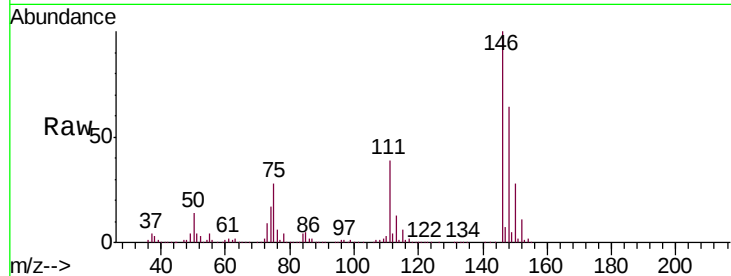




#65
 1,2-Dichlorobenzene
 Concen: 19.904 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

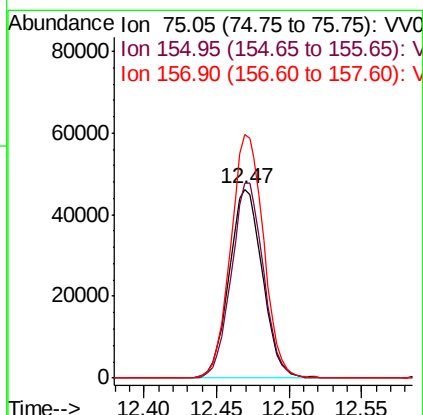
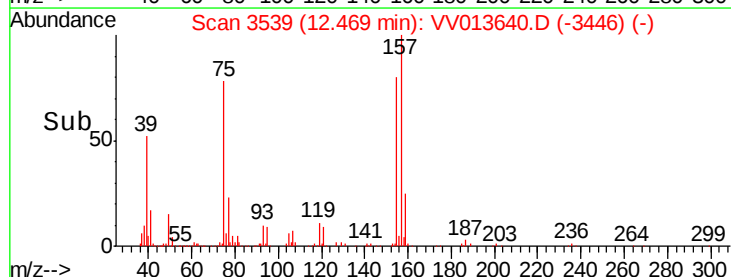
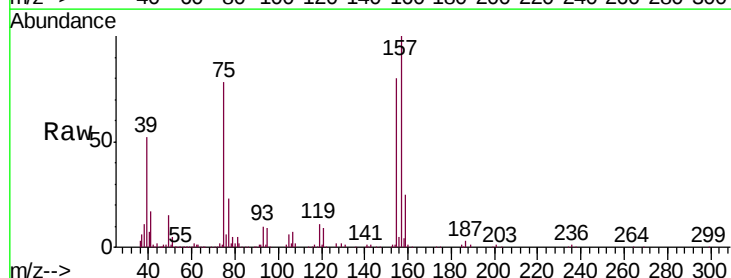
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02035

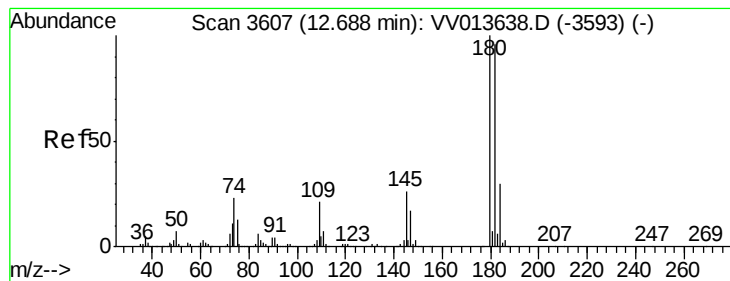
Tgt Ion:146 Resp: 1284683
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.3 46.9
 148 64.0 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.655 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013640.D
 Acq: 15 Nov 2019 14:18

Tgt Ion: 75 Resp: 73687
 Ion Ratio Lower Upper
 75 100
 155 103.0 64.8 97.2#
 157 128.7 89.1 133.7





#67

1,3,5-Trichlorobenzene

Concen: 20.796 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

Tgt Ion:180 Resp: 1182795

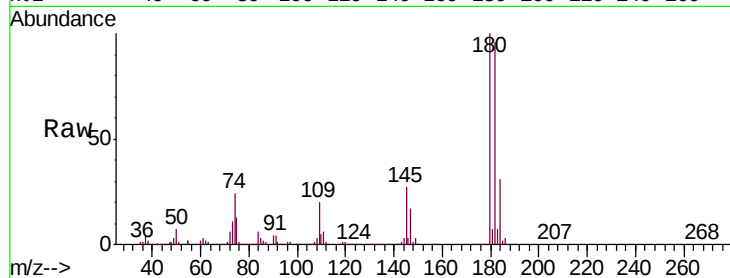
Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

184 31.0 24.4 36.6

145 27.4 21.5 32.3

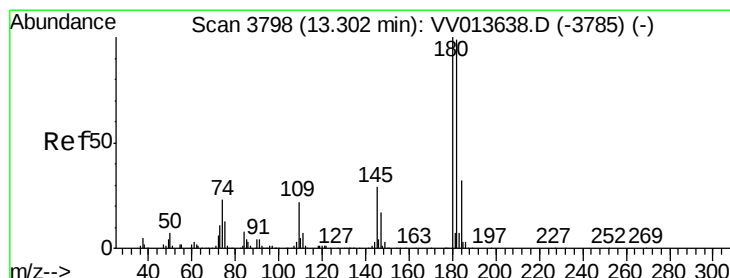
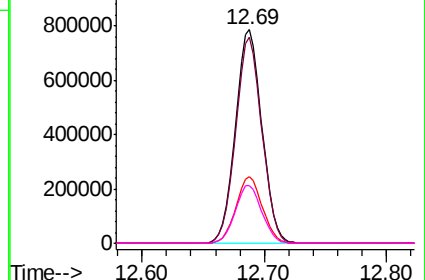
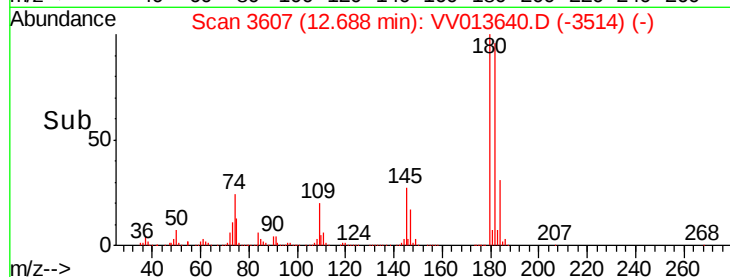


Abundance Ion 180.00 (179.70 to 180.70): V

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: 22.524 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

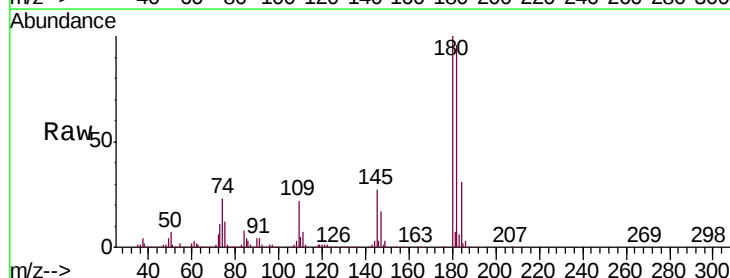
Tgt Ion:180 Resp: 1006475

Ion Ratio Lower Upper

180 100

182 95.9 77.2 115.8

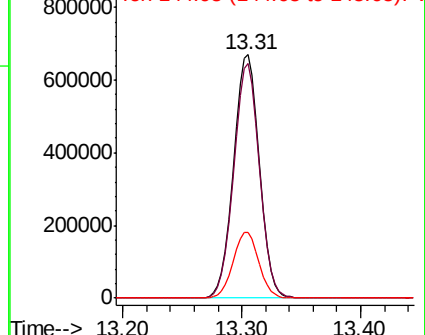
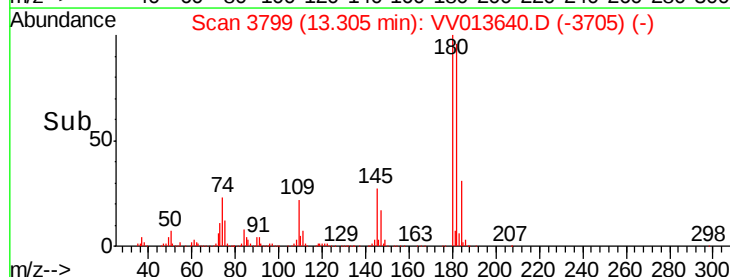
145 27.2 22.6 33.8

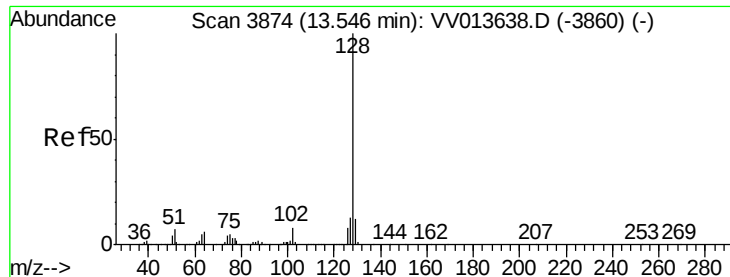


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 26.939 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD02035

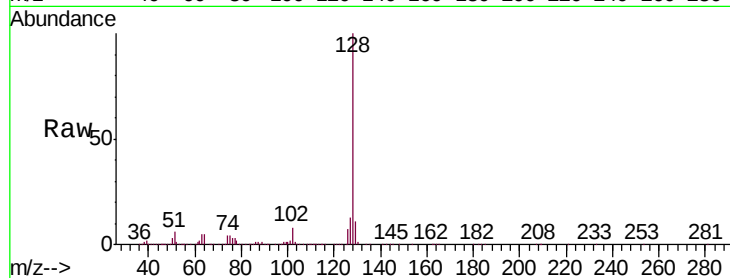
Tgt Ion:128 Resp: 1548191

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

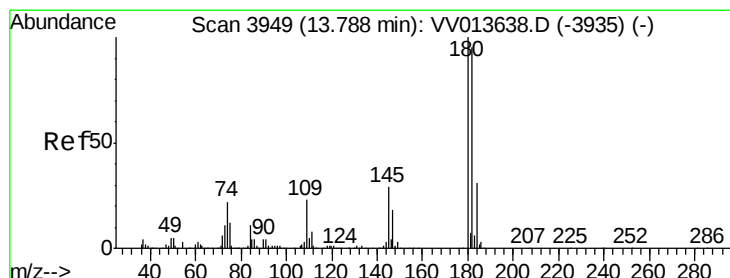
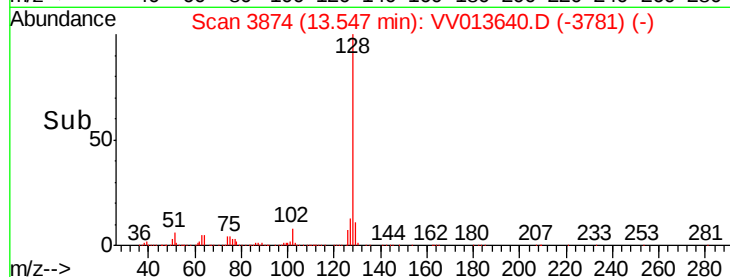
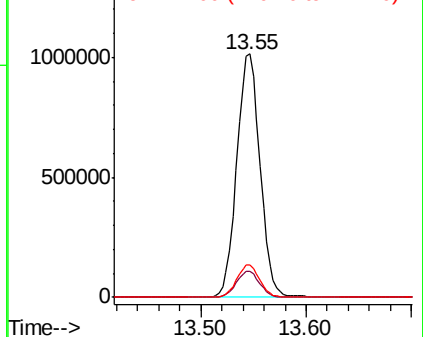
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.281 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013640.D

Acq: 15 Nov 2019 14:18

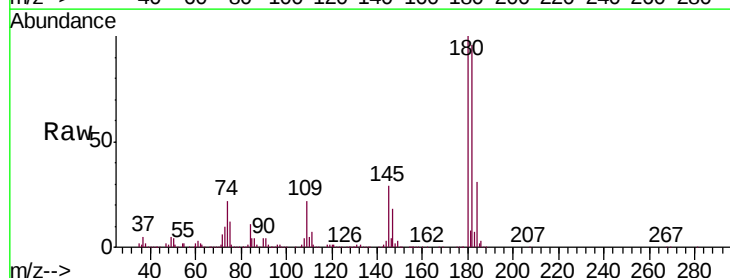
Tgt Ion:180 Resp: 921185

Ion Ratio Lower Upper

180 100

182 95.5 75.6 113.4

145 28.9 23.4 35.0



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

