

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
 Data File : VV013730.D
 Acq On : 22 Nov 2019 11:57
 Operator : SY/MD
 Sample : VSTD02036
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Quant Time: Nov 22 12:17:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	396287	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377298	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	214506	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	510863	20.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	406407	18.32	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	879504	19.75	ug/L	0.00
20) 2-Butanone-d5	3.93	46	1191245	209.56	ug/L	-0.03
24) Chloroform-d	4.40	84	1024776	18.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	487217	18.73	ug/L	0.00
32) Benzene-d6	5.09	84	2108421	19.91	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	615711	19.69	ug/L	0.00
41) Toluene-d8	7.35	98	2043573	20.75	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	247189	20.45	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	1037202	226.85	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	431603	19.20	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	785732	18.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	541776	15.616 ug/L	97
3) Chloromethane	1.25	50	464514	14.079 ug/L	100
5) Vinyl chloride	1.32	62	500071	15.729 ug/L	100
6) Bromomethane	1.53	94	270040	14.216 ug/L	99
8) Chloroethane	1.60	64	277746	15.475 ug/L	98
9) Trichlorofluoromethane	1.77	101	758244	17.528 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	453671	18.840 ug/L	99
12) 1,1-Dichloroethene	2.14	96	397672	17.296 ug/L	91
13) Acetone	2.20	43	735544	205.566 ug/L	# 56
14) Carbon disulfide	2.32	76	913123	12.205 ug/L	100
15) Methyl Acetate	2.46	43	179366	18.034 ug/L	95
16) Methylene chloride	2.53	84	477344	14.847 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	1129862	18.923 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	455204	16.230 ug/L	98
19) 1,1-Dichloroethane	3.23	63	909815	17.832 ug/L	100
21) 2-Butanone	4.02	43	1286480	216.936 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	554330	18.643 ug/L	99
23) Bromochloromethane	4.29	128	236753	17.283 ug/L	93
25) Chloroform	4.42	83	960191	13.950 ug/L	99
27) 1,2-Dichloroethane	5.17	62	550622	17.951 ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	833244	18.572 ug/L	98
30) Cyclohexane	4.72	56	736327	17.056 ug/L	98
31) Carbon tetrachloride	4.87	117	736681	18.319 ug/L	99
33) Benzene	5.14	78	1997502	17.998 ug/L	100
34) Trichloroethene	5.96	95	546354	18.213 ug/L	99
35) Methylcyclohexane	6.17	83	796011	17.816 ug/L	99
37) 1,2-Dichloropropane	6.22	63	515647	19.304 ug/L	99
38) Bromodichloromethane	6.55	83	678410	18.119 ug/L	98
39) cis-1,3-Dichloropropene	7.06	75	786754	20.471 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	3054771	194.671 ug/L	99

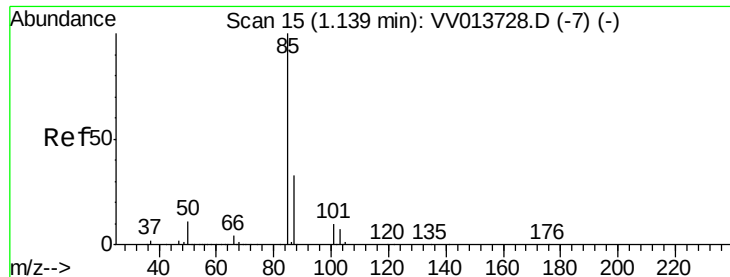
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2207109	18.601	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	610700	20.091	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	366606	18.908	ug/L	97
47) Tetrachloroethene	8.02	164	481449	17.522	ug/L	97
48) 2-Hexanone	8.18	43	2223556	198.661	ug/L	98
49) Dibromochloromethane	8.29	129	479104	19.358	ug/L	98
50) 1,2-Dibromoethane	8.39	107	335132	18.103	ug/L	99
51) Chlorobenzene	8.92	112	1474776	18.558	ug/L	99
52) Ethylbenzene	9.05	91	2526329	19.852	ug/L	100
53) m,p-xylene	9.18	106	971377	20.367	ug/L	98
54) o-xylene	9.58	106	956317	20.667	ug/L	100
55) Styrene	9.60	104	1661055	21.177	ug/L	98
56) Isopropylbenzene	9.97	105	2616320	21.146	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	407806	19.018	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	307945	18.368	ug/L	99
61) Bromoform	9.77	173	292478	18.526	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1320254	18.541	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1319977	18.271	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	1196688	18.074	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	64300	16.258	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	1112659	18.710	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	956092	19.513	ug/L	99
69) Naphthalene	13.55	128	1435013	21.528	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	883051	19.952	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 15.616 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

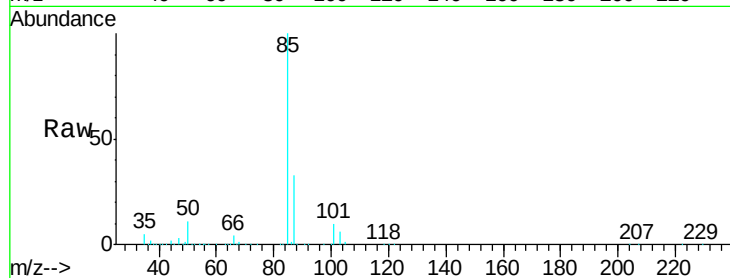
VSTD02036

Tgt Ion: 85 Resp: 541776

Ion Ratio Lower Upper

85 100

87 32.5 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013730.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013730.D (-1) (-)

1.14

600000

500000

400000

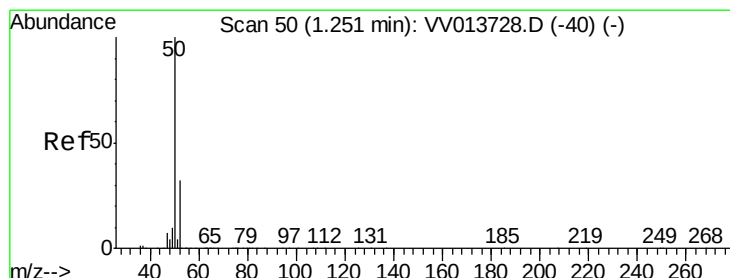
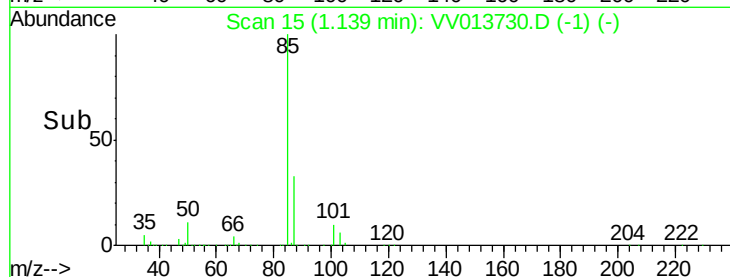
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 14.079 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013730.D

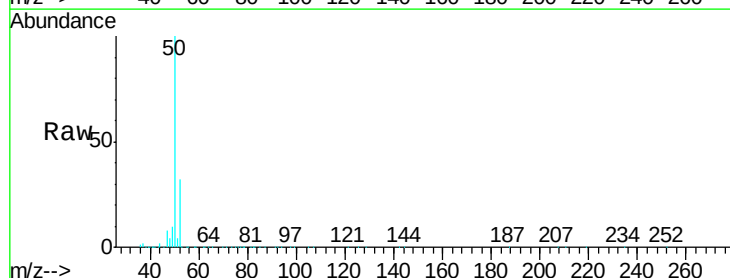
Acq: 22 Nov 2019 11:57

Tgt Ion: 50 Resp: 464514

Ion Ratio Lower Upper

50 100

52 32.0 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV013730.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013730.D (-1) (-)

1.25

500000

400000

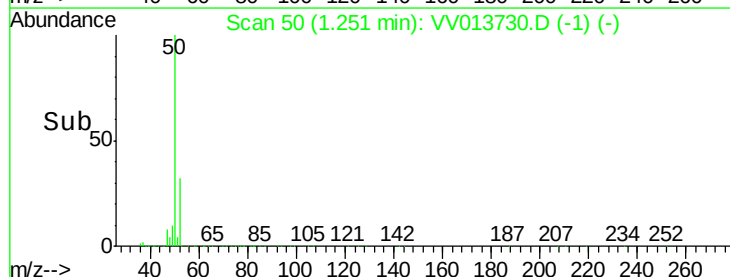
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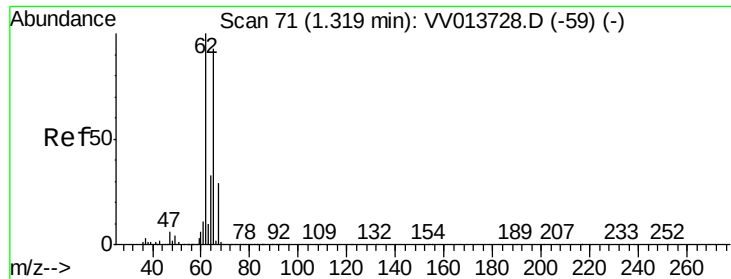
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 15.729 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

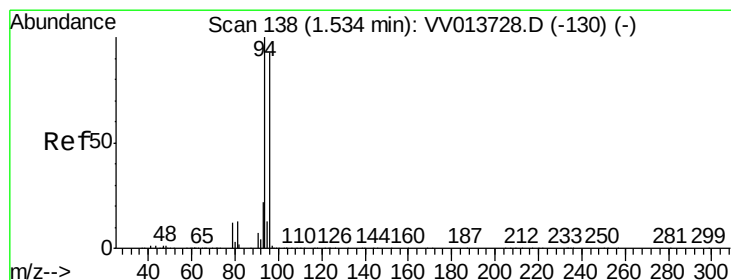
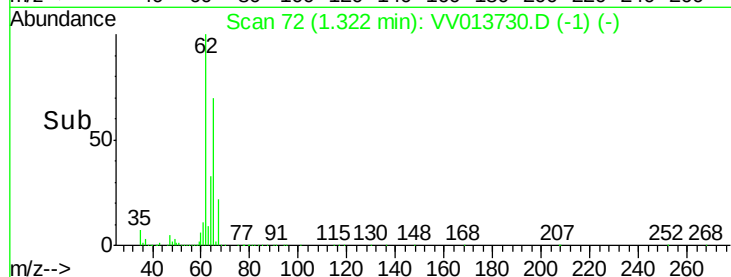
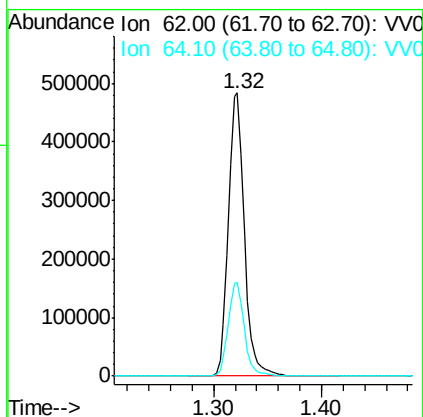
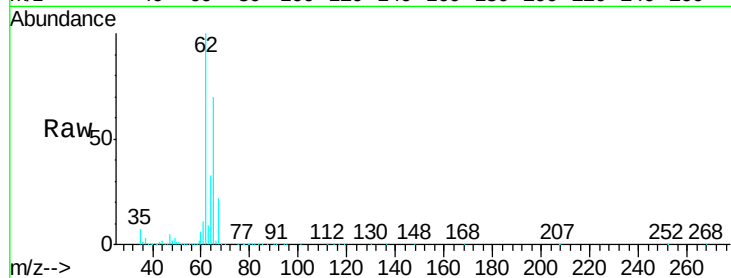
VSTD02036

Tgt Ion: 62 Resp: 500071

Ion Ratio Lower Upper

62 100

64 33.0 23.3 43.3



#6

Bromomethane

Concen: 14.216 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013730.D

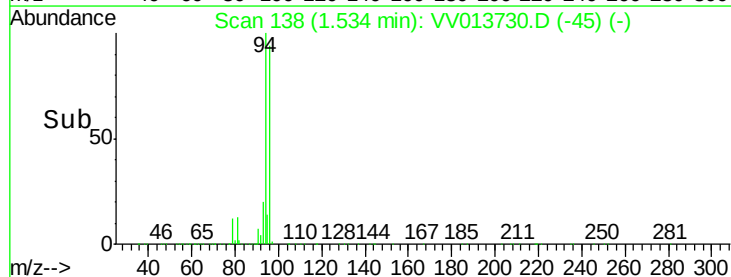
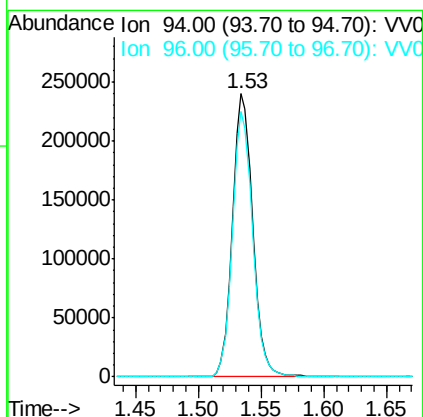
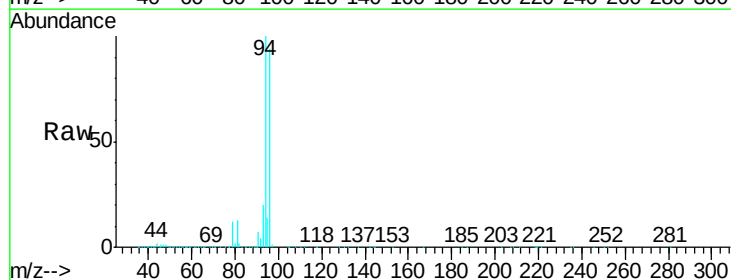
Acq: 22 Nov 2019 11:57

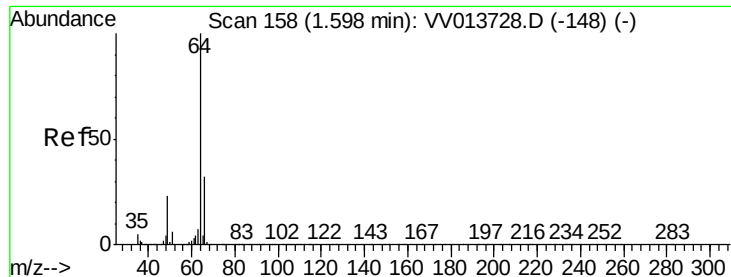
Tgt Ion: 94 Resp: 270040

Ion Ratio Lower Upper

94 100

96 93.8 65.2 121.0





#8

Chloroethane

Concen: 15.475 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

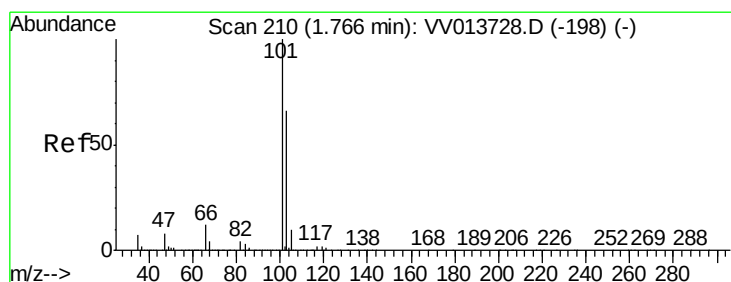
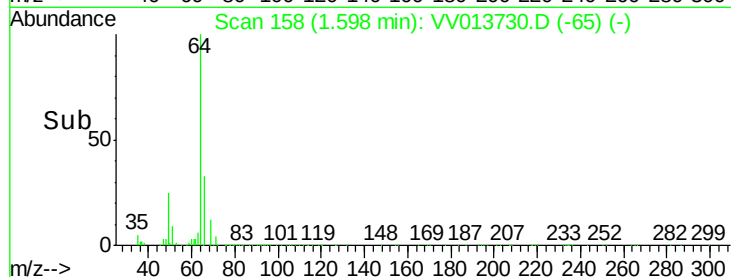
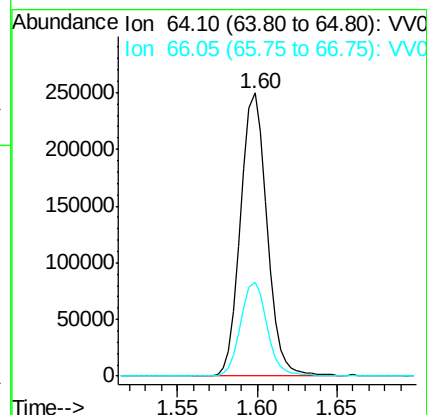
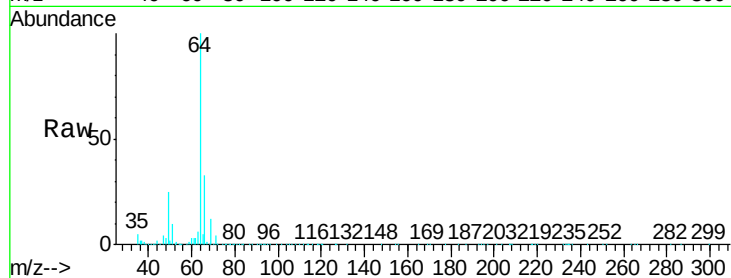
VSTD02036

Tgt Ion: 64 Resp: 277746

Ion Ratio Lower Upper

64 100

66 33.3 22.6 42.0



#9

Trichlorofluoromethane

Concen: 17.528 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013730.D

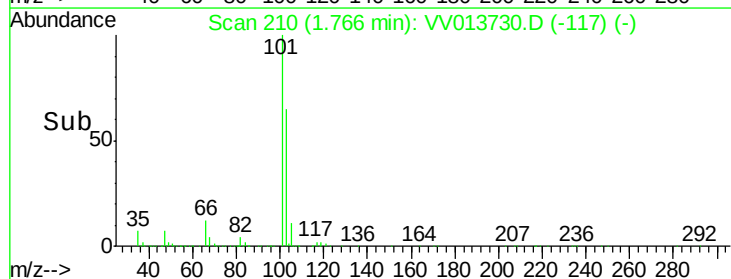
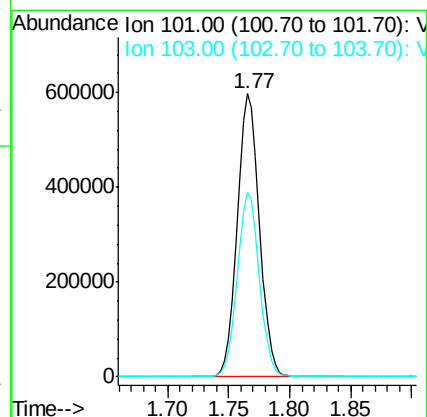
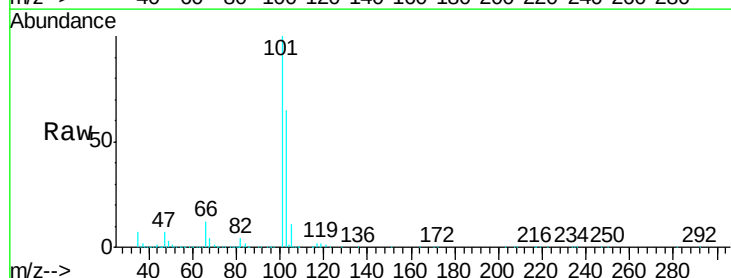
Acq: 22 Nov 2019 11:57

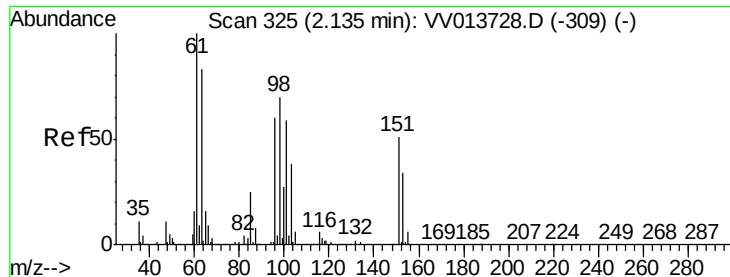
Tgt Ion: 101 Resp: 758244

Ion Ratio Lower Upper

101 100

103 65.2 52.9 79.3





#10

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

Concen: 18.840 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

VSTD02036

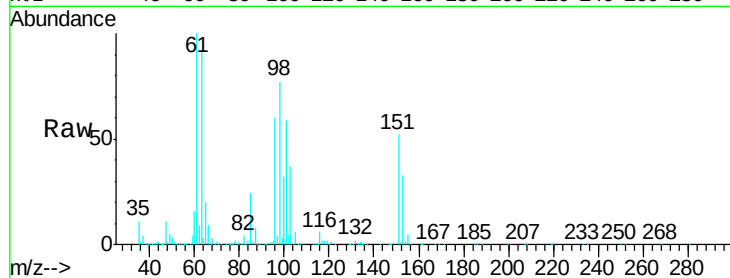
Tgt Ion: 101 Resp: 453671

Ion Ratio Lower Upper

101 100

85 40.6 33.4 50.0

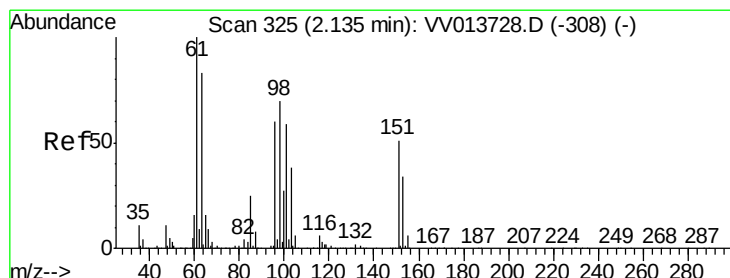
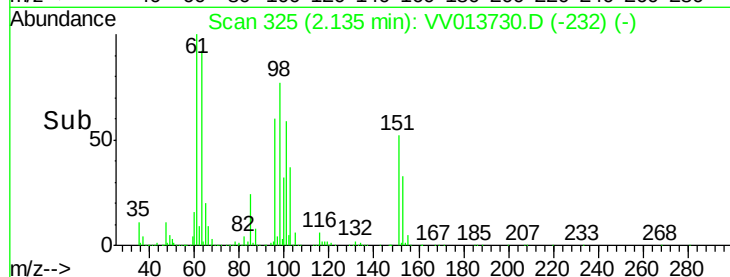
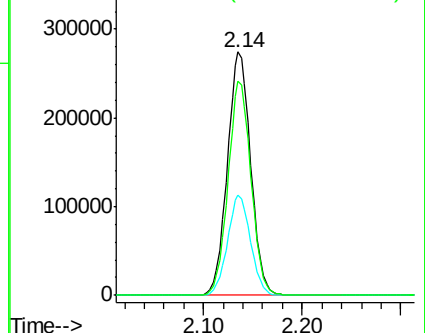
151 86.8 69.4 104.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 17.296 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

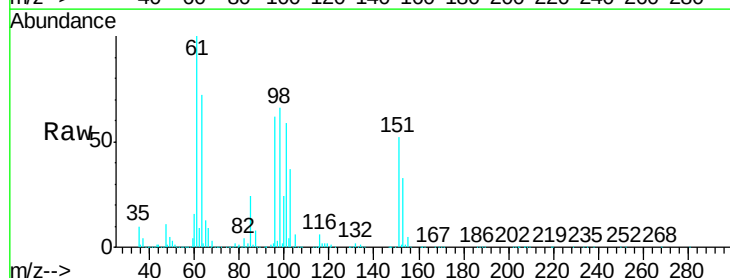
Tgt Ion: 96 Resp: 397672

Ion Ratio Lower Upper

96 100

61 162.1 116.3 215.9

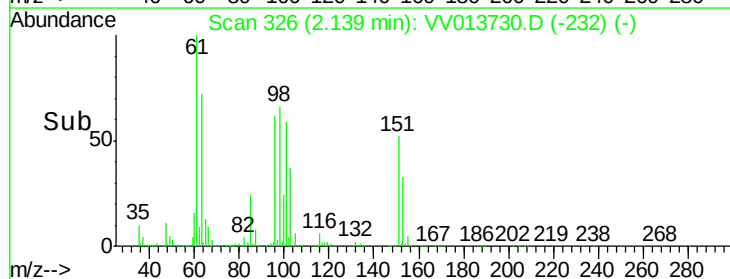
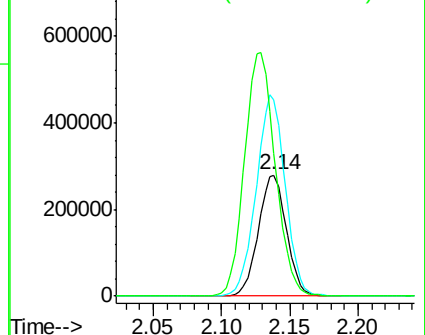
63 117.2 96.7 179.7

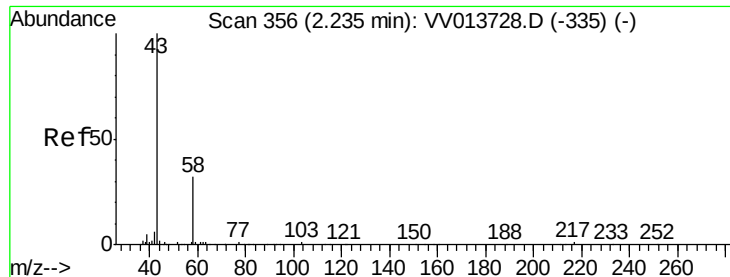


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 205.566 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.03 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

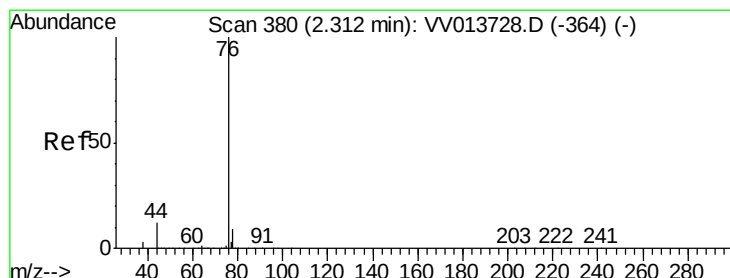
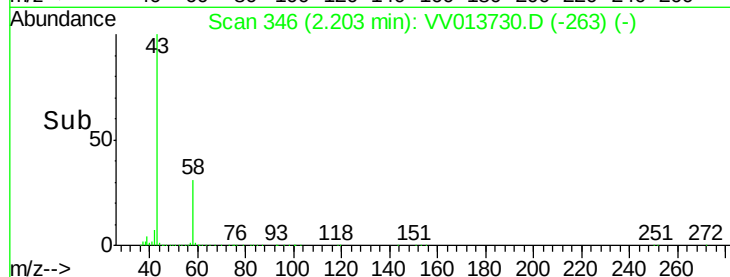
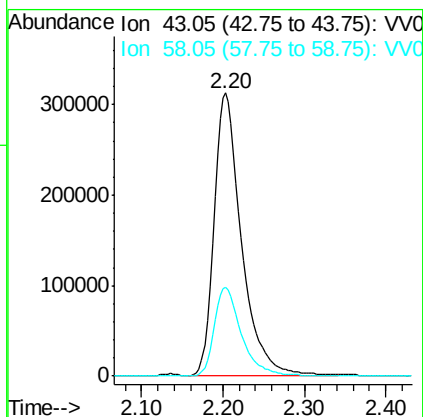
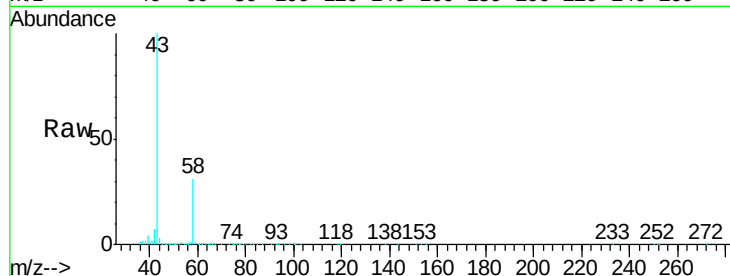
VSTD02036

Tgt Ion: 43 Resp: 735544

Ion Ratio Lower Upper

43 100

58 31.2 0.0 27.2#



#14

Carbon disulfide

Concen: 12.205 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013730.D

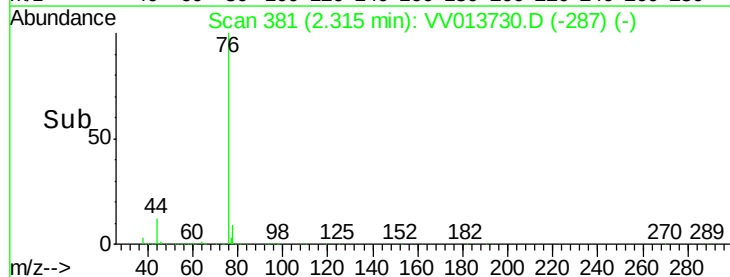
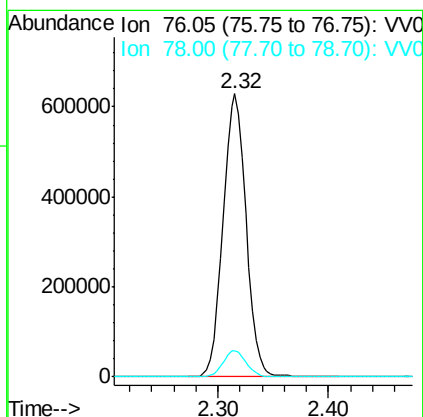
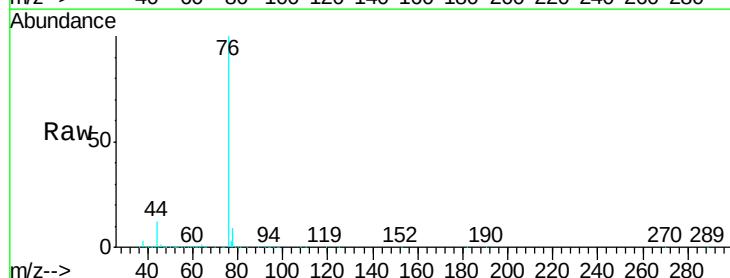
Acq: 22 Nov 2019 11:57

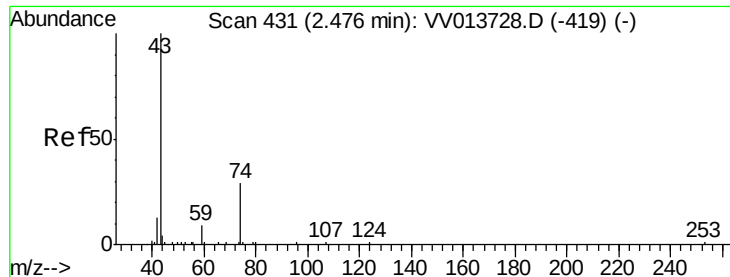
Tgt Ion: 76 Resp: 913123

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 18.034 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

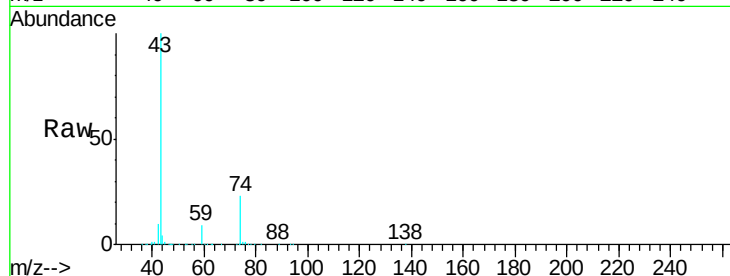
VSTD02036

Tgt Ion: 43 Resp: 179366

Ion Ratio Lower Upper

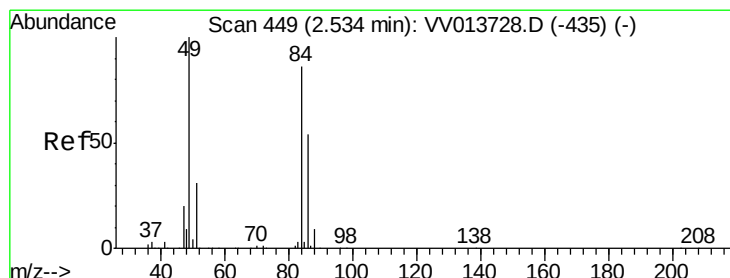
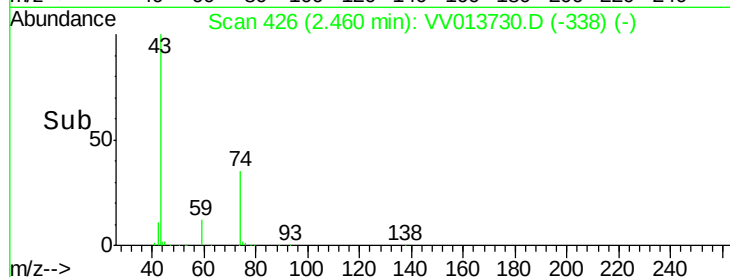
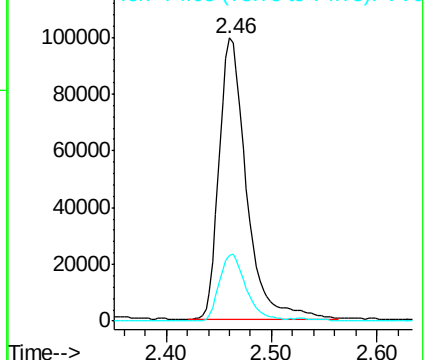
43 100

74 23.3 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 14.847 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

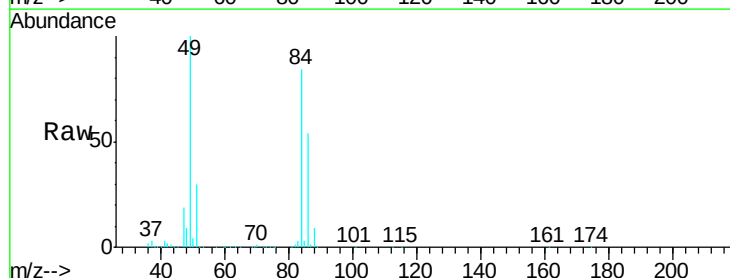
Tgt Ion: 84 Resp: 477344

Ion Ratio Lower Upper

84 100

86 63.6 44.0 81.6

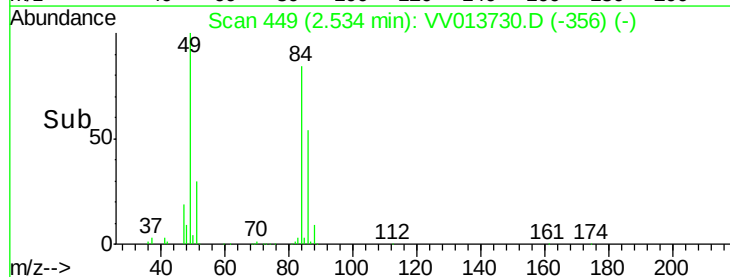
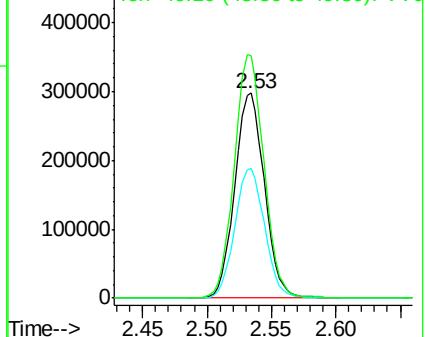
49 118.7 81.5 151.5

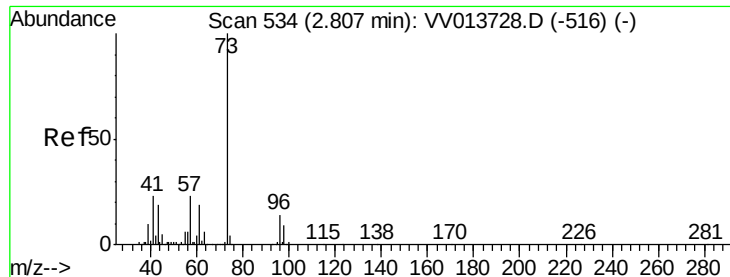


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

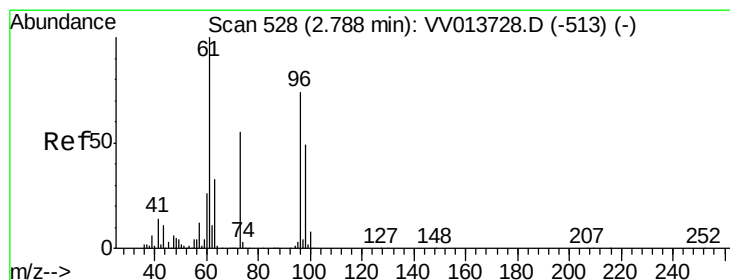
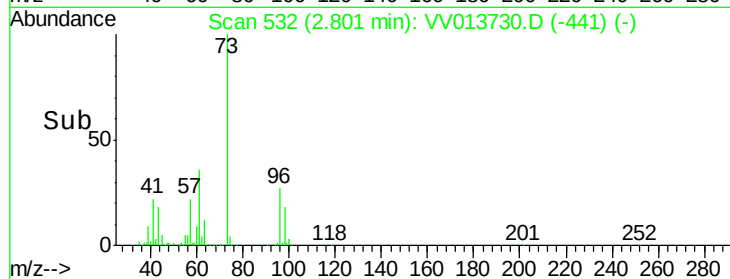
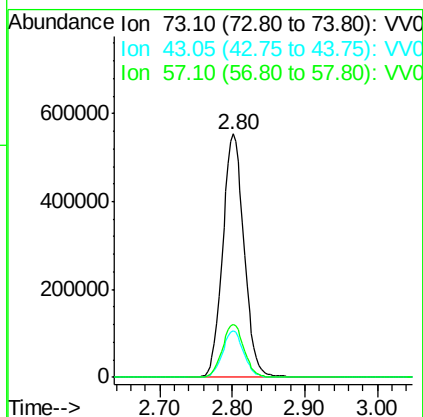
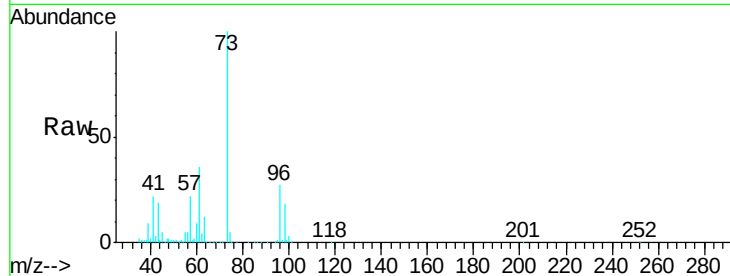




#17
Methyl tert-butyl Ether
Concen: 18.923 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.01 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

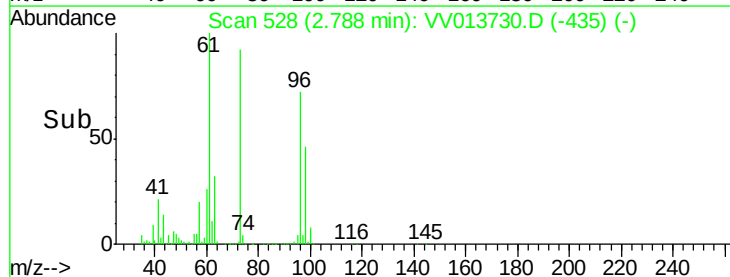
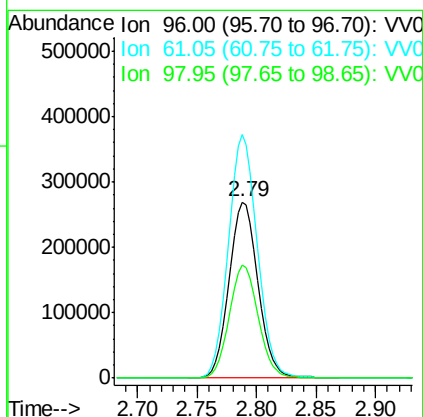
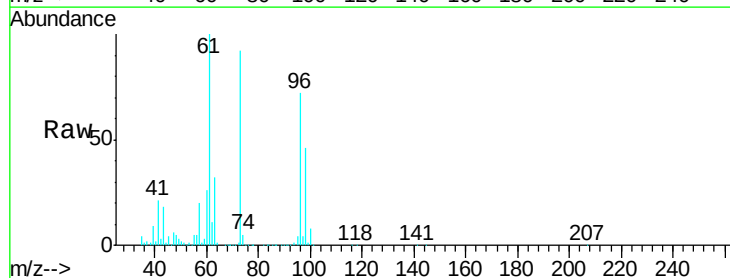
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

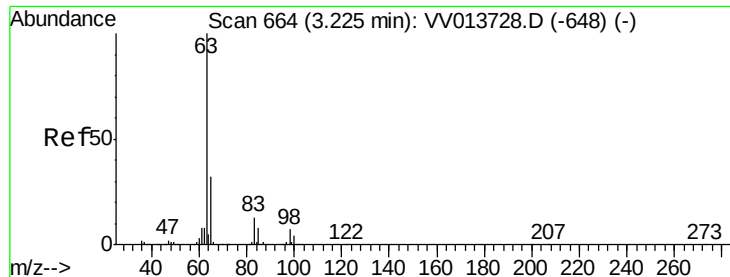
Tgt Ion: 73 Resp: 1129862
Ion Ratio Lower Upper
73 100
43 18.7 15.5 23.3
57 22.0 17.5 26.3



#18
trans-1,2-Dichloroethene
Concen: 16.230 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

Tgt Ion: 96 Resp: 455204
Ion Ratio Lower Upper
96 100
61 138.2 95.1 176.7
98 63.9 46.5 86.3

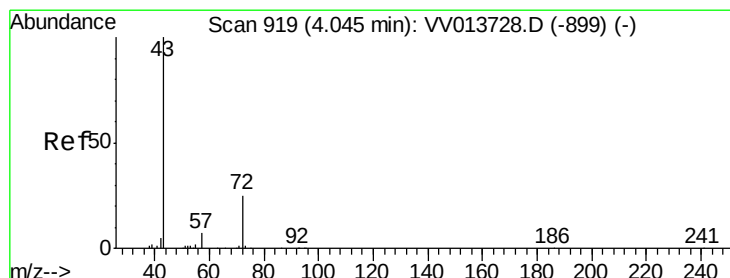
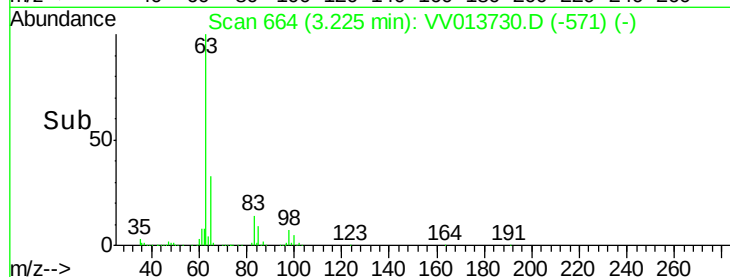
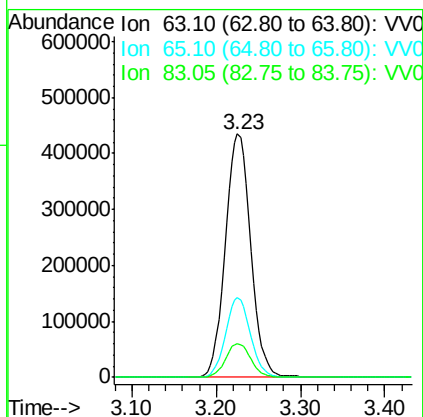
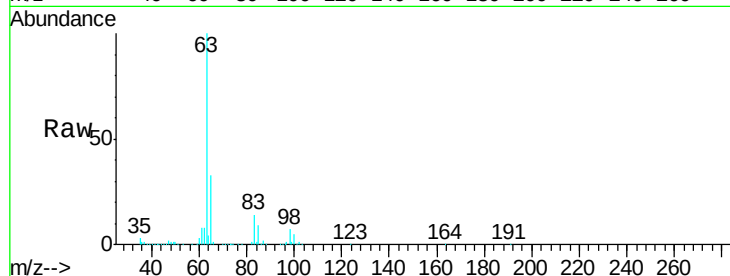




#19
 1,1-Dichloroethane
 Concen: 17.832 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

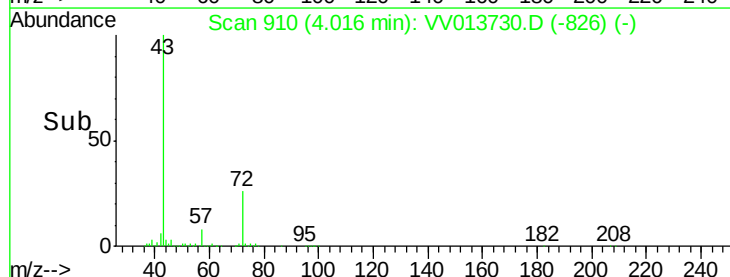
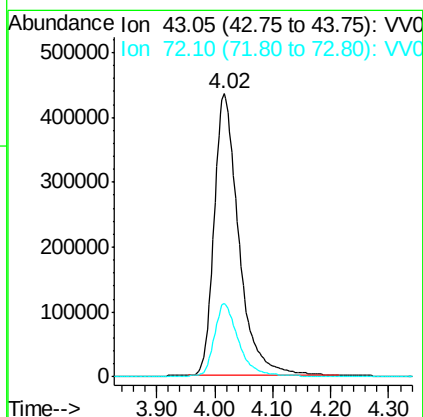
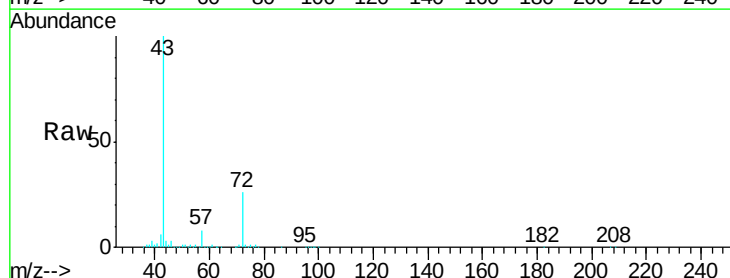
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

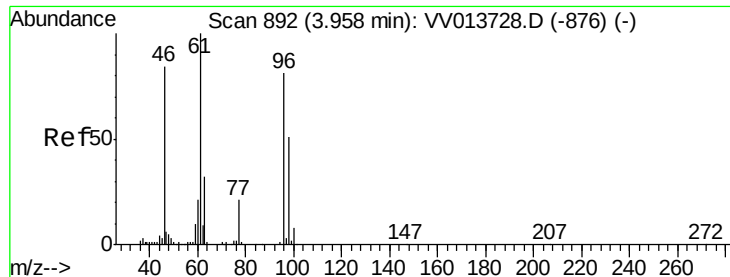
Tgt Ion: 63 Resp: 909815
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.7 42.1
 83 13.7 9.2 17.2



#21
 2-Butanone
 Concen: 216.936 ug/L
 RT: 4.02 min Scan# 910
 Delta R.T. -0.03 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 43 Resp: 1286480
 Ion Ratio Lower Upper
 43 100
 72 26.3 12.3 36.9



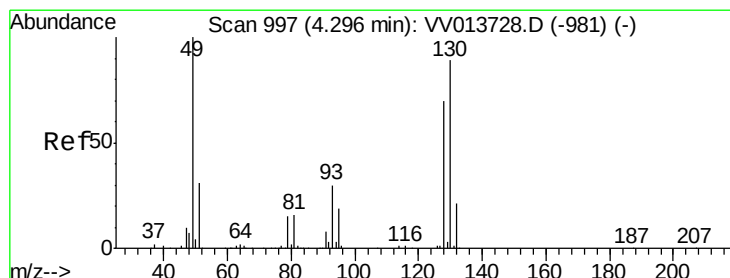
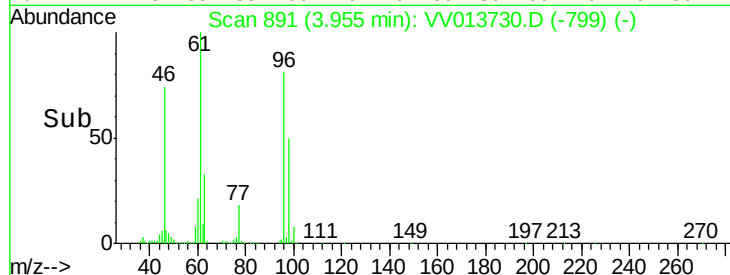
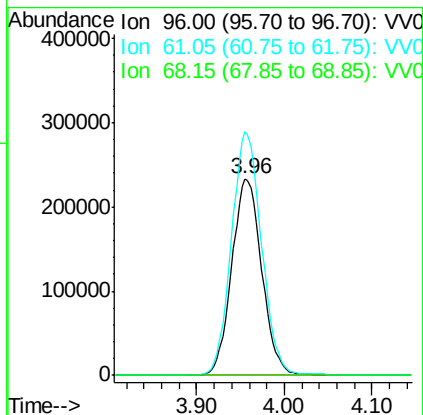
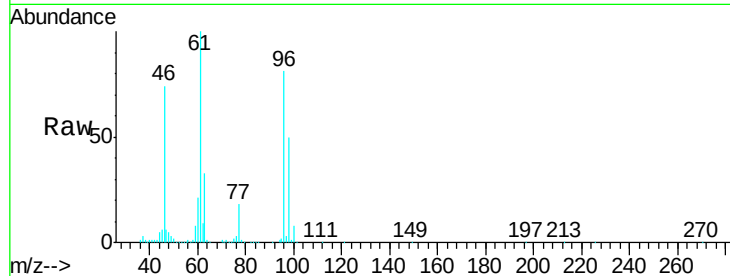


#22

cis-1,2-Dichloroethene
 Concen: 18.643 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

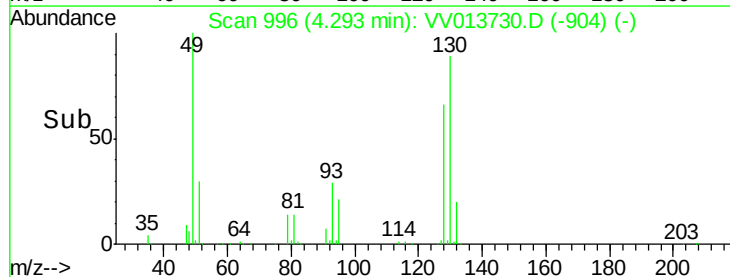
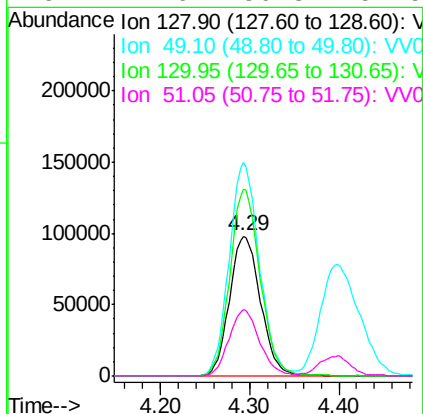
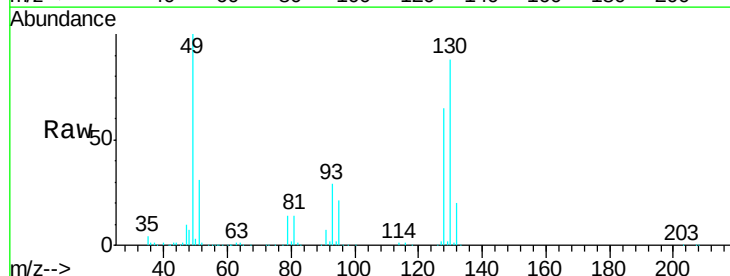
Tgt Ion: 96 Resp: 554330
 Ion Ratio Lower Upper
 96 100
 61 124.0 86.1 159.9
 68 0.0 0.0 0.0

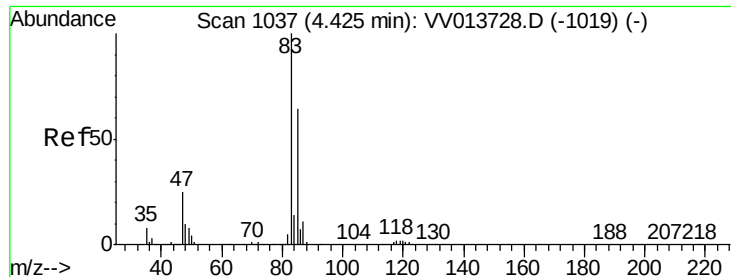


#23

Bromochloromethane
 Concen: 17.283 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 128 Resp: 236753
 Ion Ratio Lower Upper
 128 100
 49 153.0 100.1 185.9
 130 134.3 89.0 165.4
 51 47.6 36.3 54.5





#25

Chloroform

Concen: 13.950 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

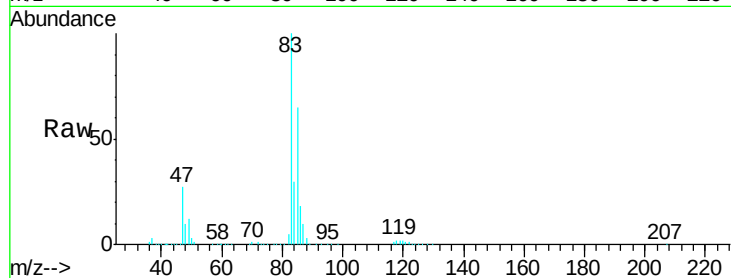
VSTD02036

Tgt Ion: 83 Resp: 960191

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013728.D (-1019) (-)

Ion 85.00 (84.70 to 85.70): VV013728.D (-1019) (-)

4.42

400000

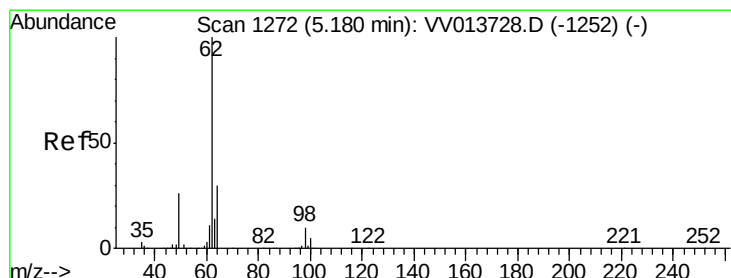
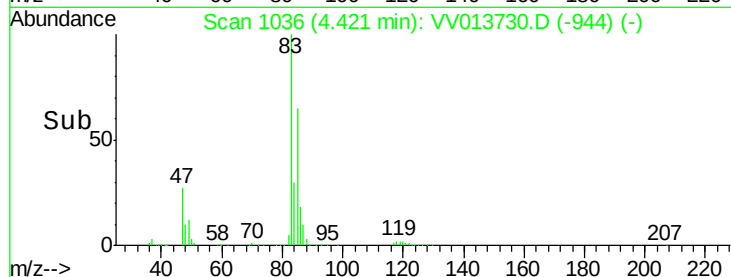
300000

200000

100000

0

Time-->



#27

1,2-Dichloroethane

Concen: 17.951 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VV013730.D

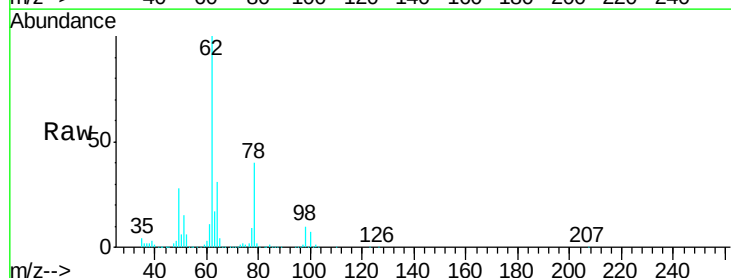
Acq: 22 Nov 2019 11:57

Tgt Ion: 62 Resp: 550622

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013728.D (-1252) (-)

Ion 98.05 (97.75 to 98.75): VV013728.D (-1252) (-)

5.17

300000

250000

200000

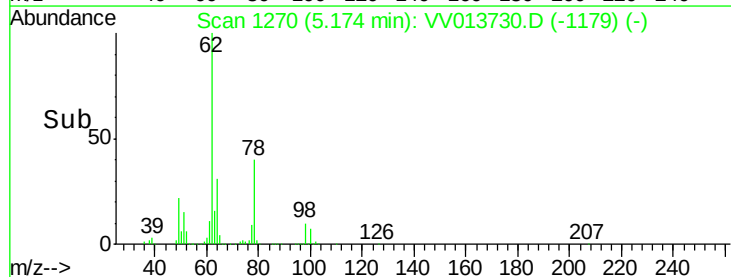
150000

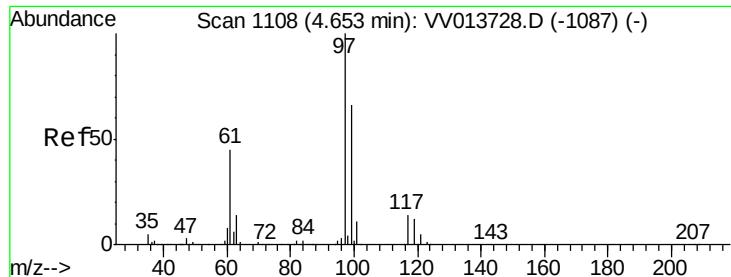
100000

50000

0

Time-->

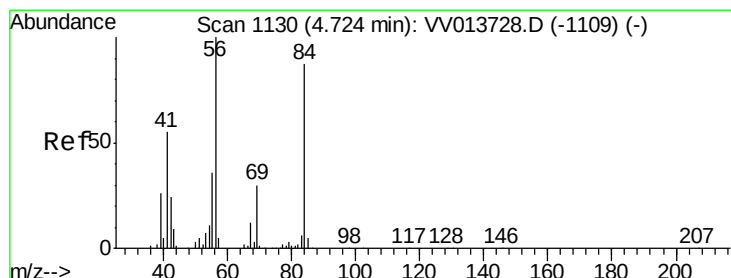
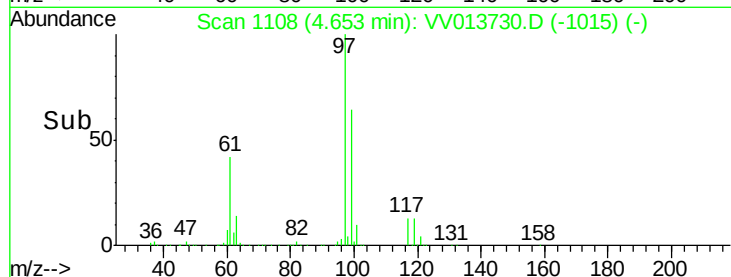
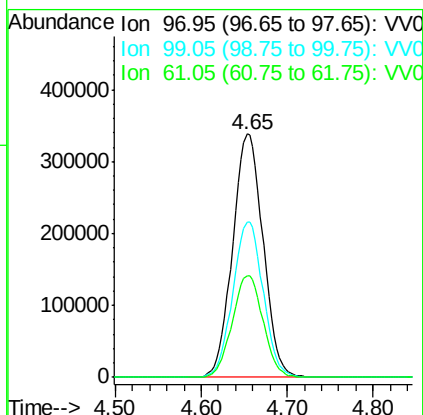
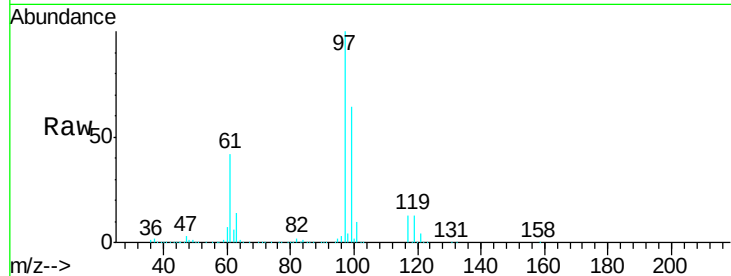




#29
 1,1,1-Trichloroethane
 Concen: 18.572 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

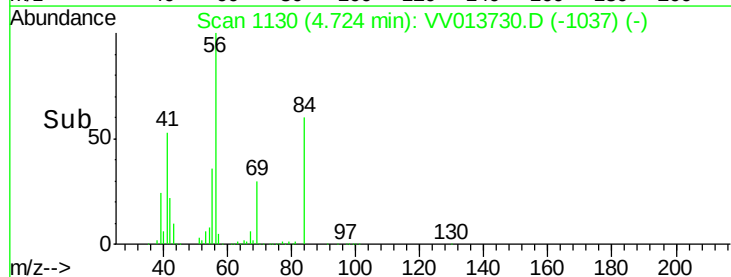
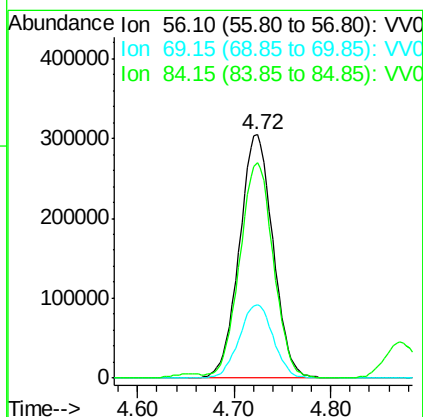
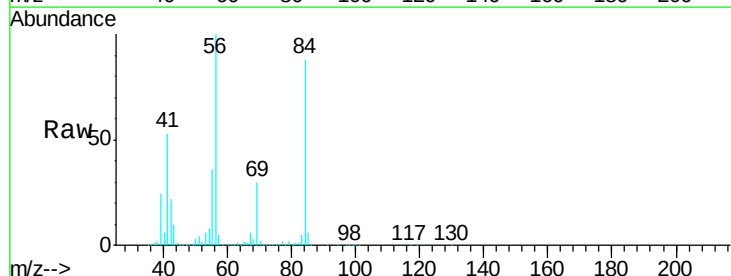
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

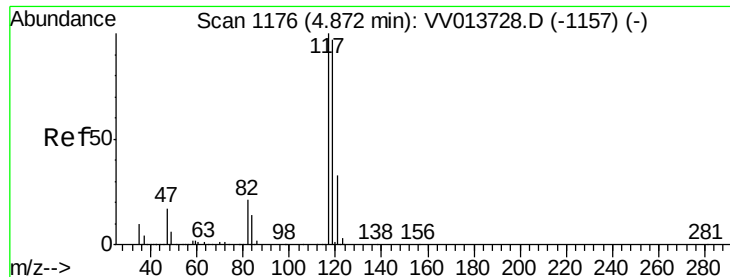
Tgt Ion: 97 Resp: 833244
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.7 77.5
 61 42.3 35.0 52.6



#30
 Cyclohexane
 Concen: 17.056 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 56 Resp: 736327
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.1 36.1
 84 89.1 69.9 104.9

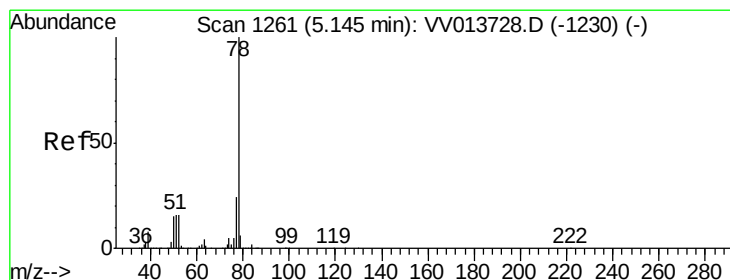
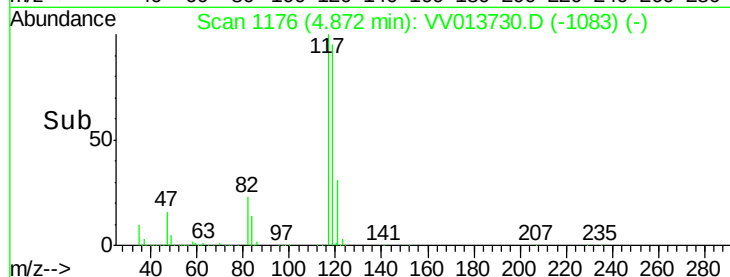
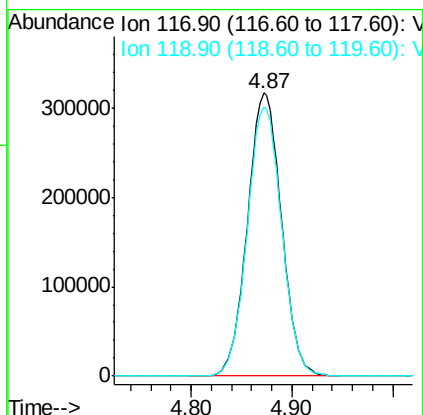
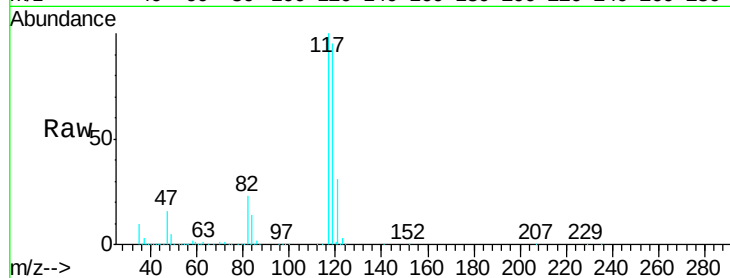




#31
Carbon tetrachloride
Concen: 18.319 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

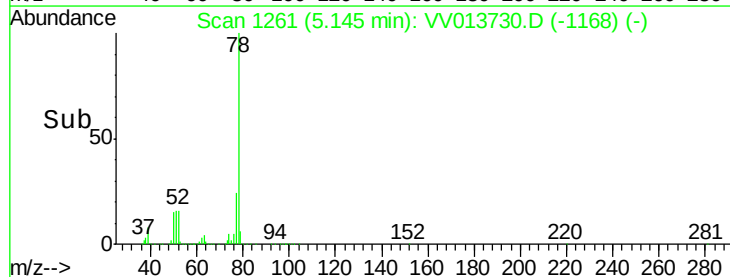
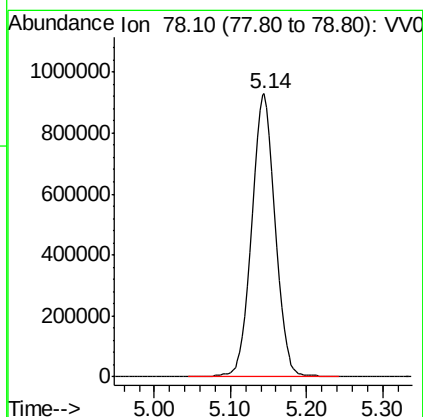
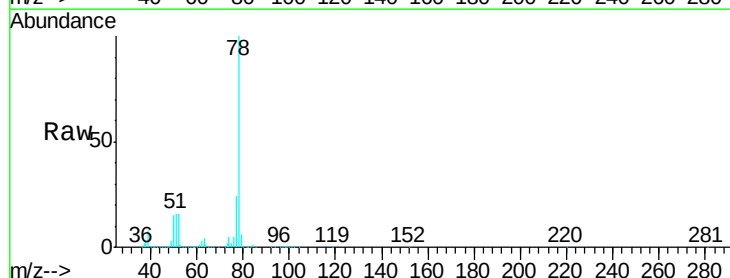
Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

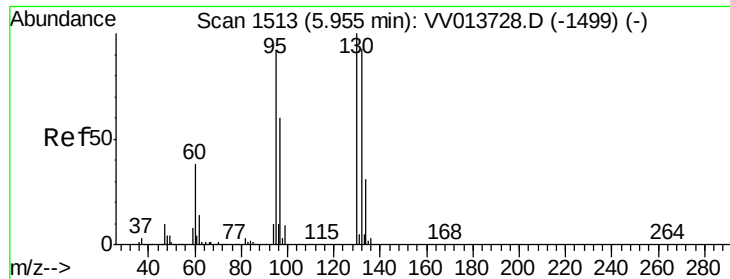
Tgt Ion:117 Resp: 736681
Ion Ratio Lower Upper
117 100
119 96.7 76.8 115.2



#33
Benzene
Concen: 17.998 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

Tgt Ion: 78 Resp: 1997502





#34

Trichloroethene

Concen: 18.213 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

Tgt Ion: 95 Resp: 546354

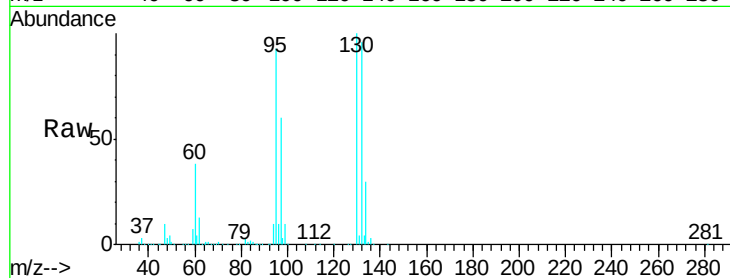
Ion Ratio Lower Upper

95 100

97 64.1 45.6 84.8

132 102.6 70.5 130.9

130 107.4 75.9 140.9

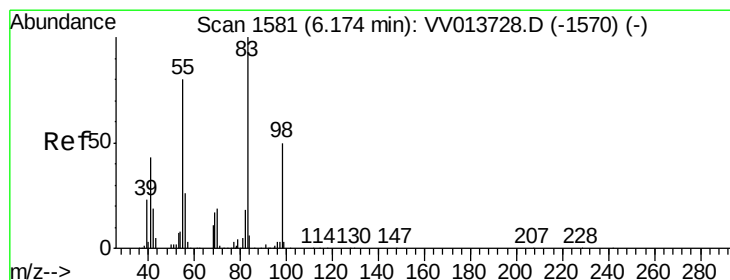
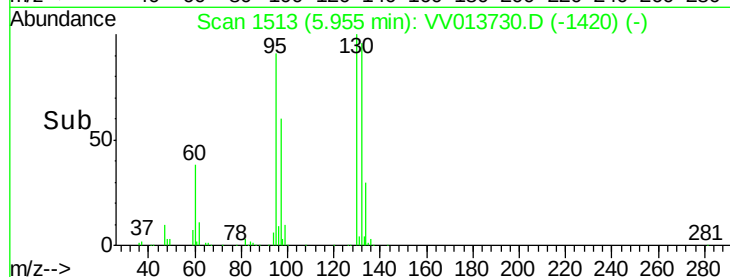
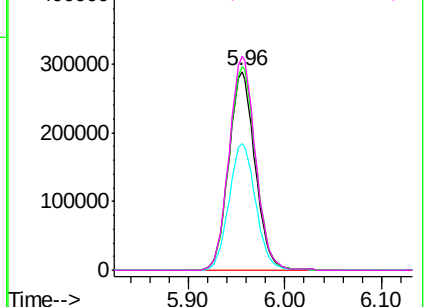


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 17.816 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

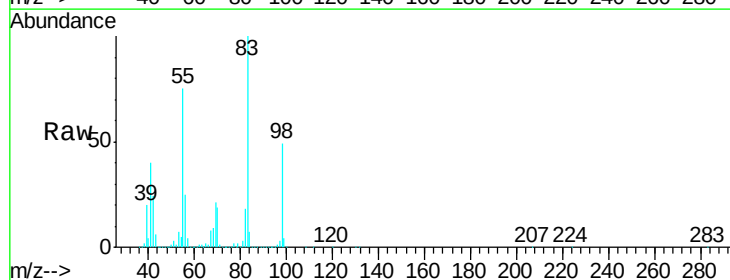
Tgt Ion: 83 Resp: 796011

Ion Ratio Lower Upper

83 100

55 75.8 60.3 90.5

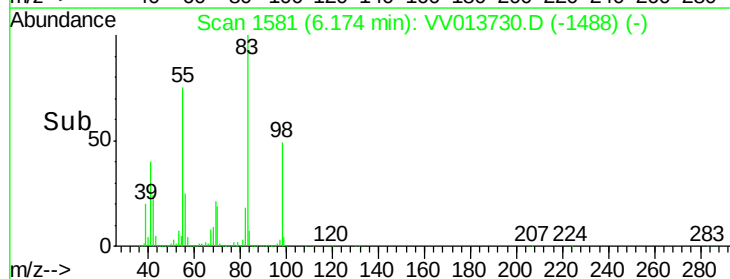
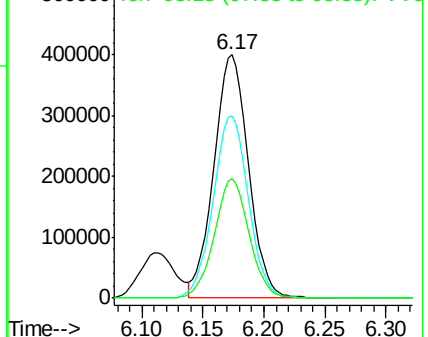
98 49.1 38.1 57.1

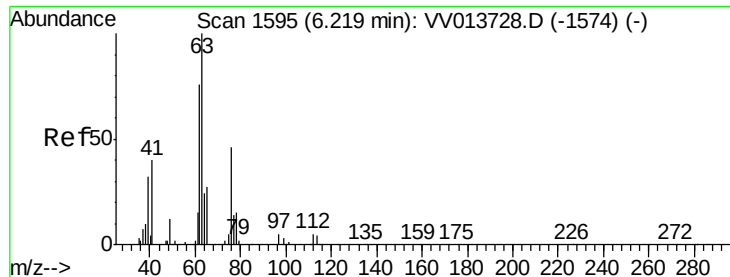


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 19.304 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

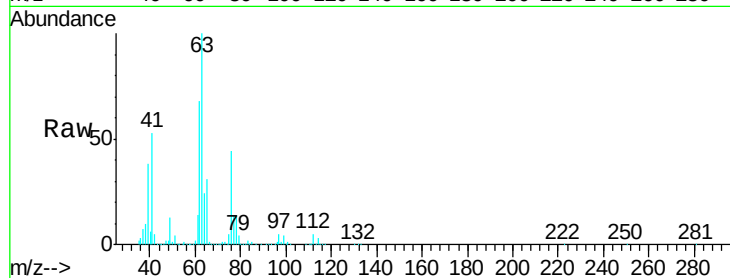
VSTD02036

Tgt Ion: 63 Resp: 515647

Ion Ratio Lower Upper

63 100

112 5.1 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

6.22

250000

200000

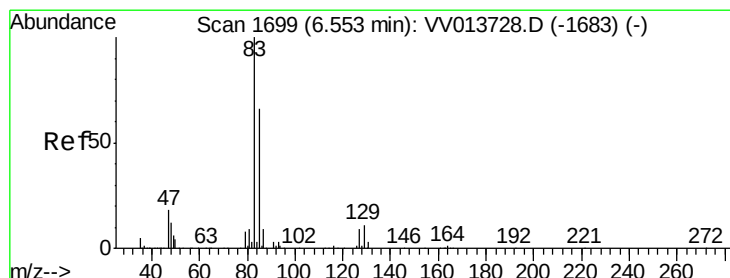
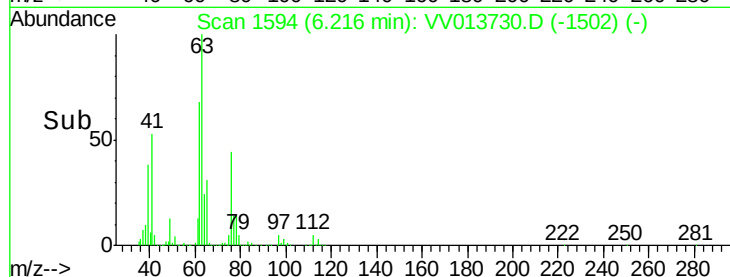
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 18.119 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

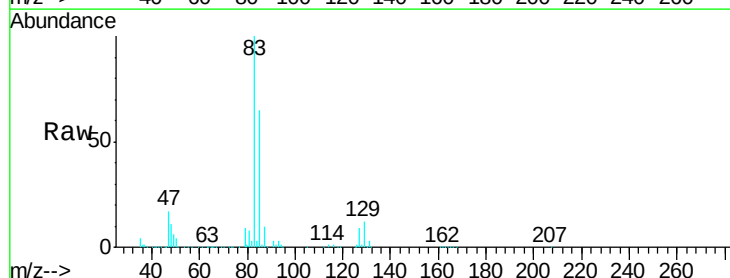
Tgt Ion: 83 Resp: 678410

Ion Ratio Lower Upper

83 100

85 64.5 46.1 85.5

127 9.2 7.5 11.3



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V

500000

400000

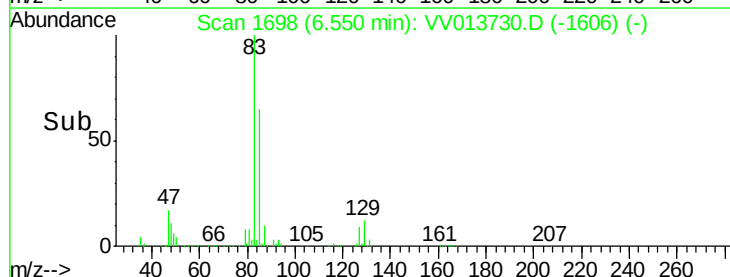
300000

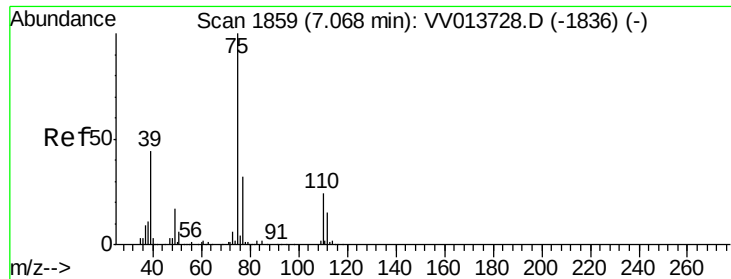
200000

100000

0

Time-->

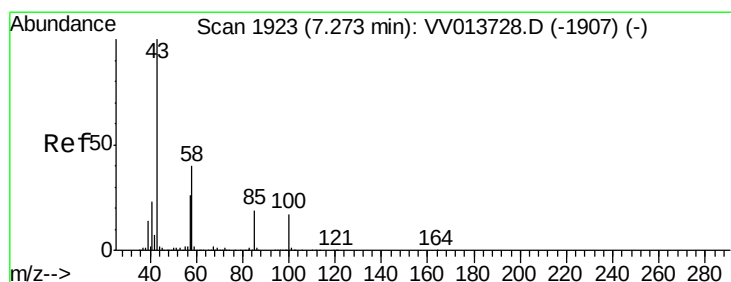
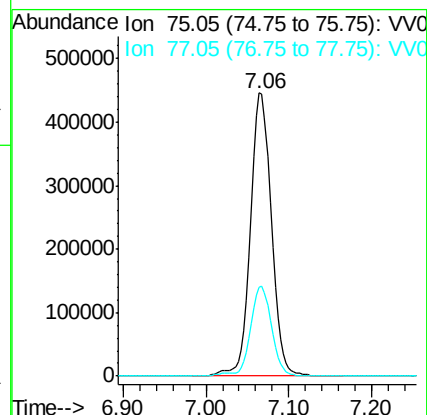
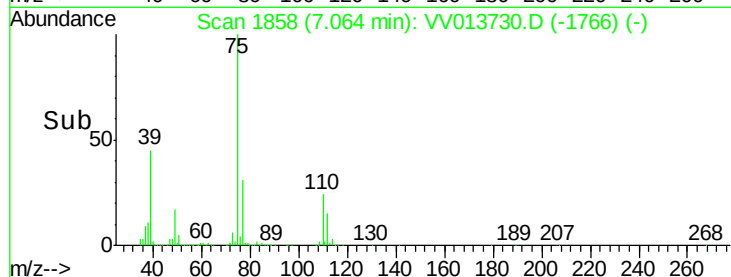
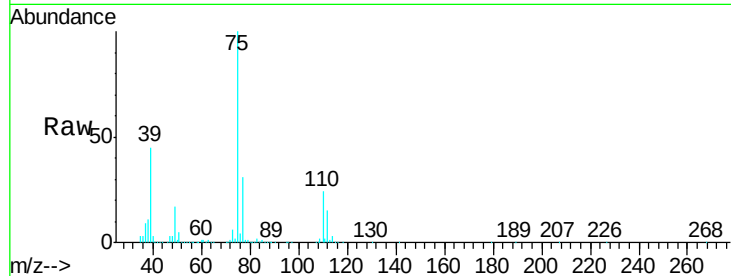




#39
 cis-1,3-Dichloropropene
 Concen: 20.471 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

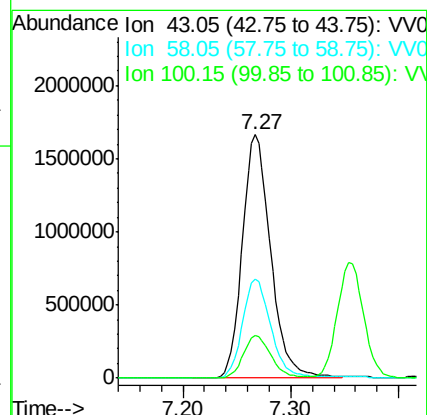
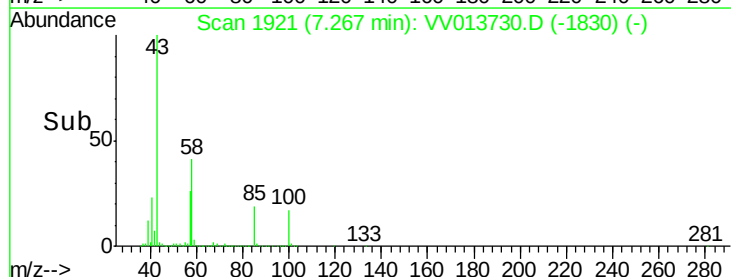
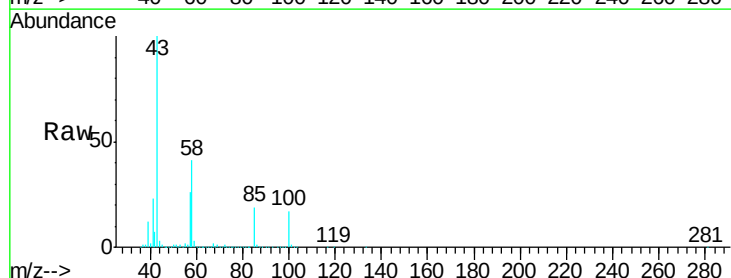
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

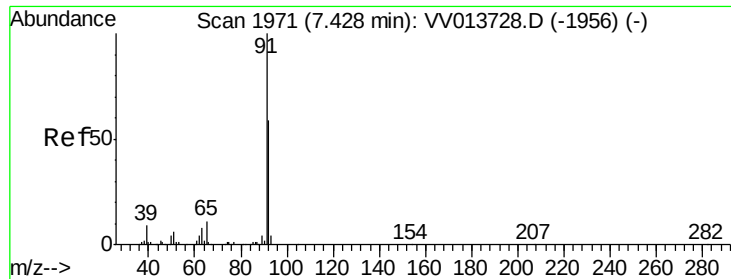
Tgt Ion: 75 Resp: 786754
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 194.671 ug/L
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 43 Resp: 3054771
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.3 48.5
 100 17.2 12.7 19.1





#42

Toluene

Concen: 18.601 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

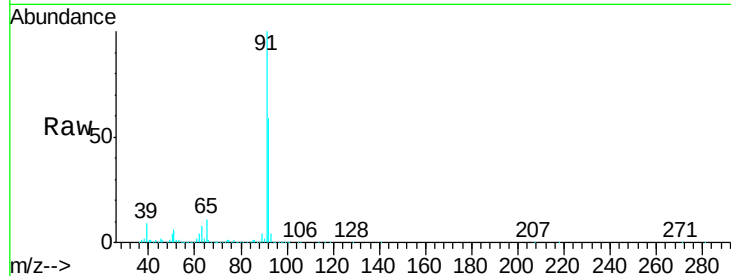
VSTD02036

Tgt Ion: 91 Resp: 2207109

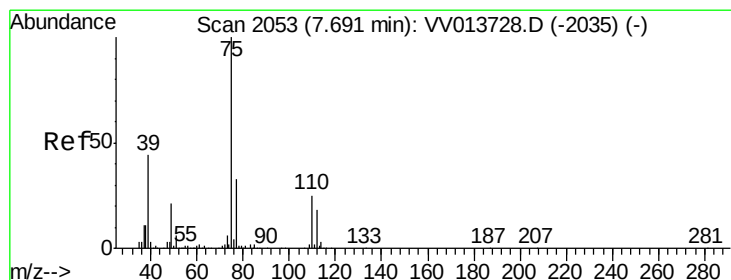
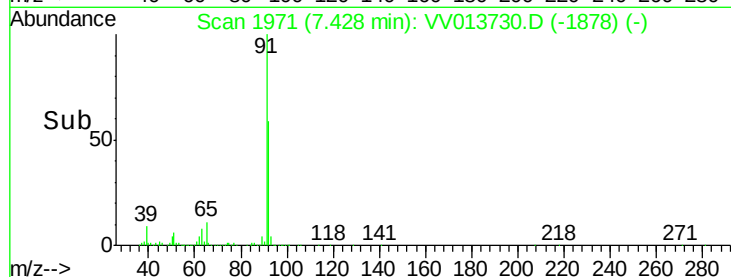
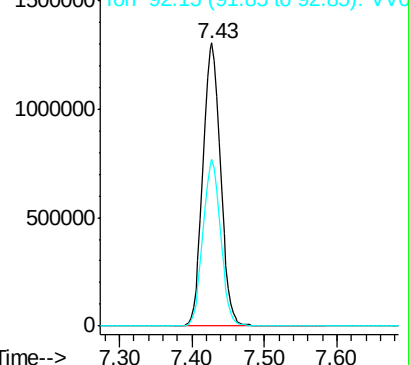
Ion Ratio Lower Upper

91 100

92 58.8 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013728.D (-1956) (-)



#44

trans-1,3-Dichloropropene

Concen: 20.091 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013730.D

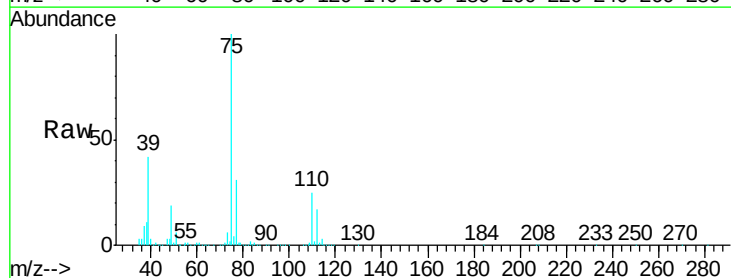
Acq: 22 Nov 2019 11:57

Tgt Ion: 75 Resp: 610700

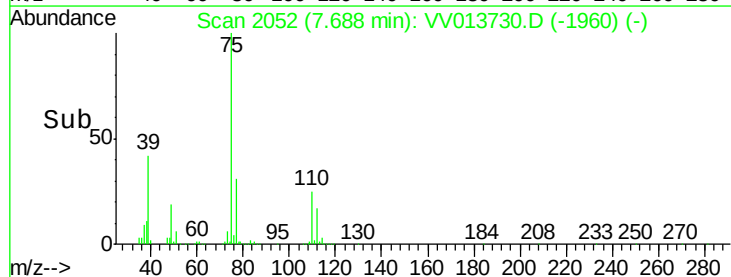
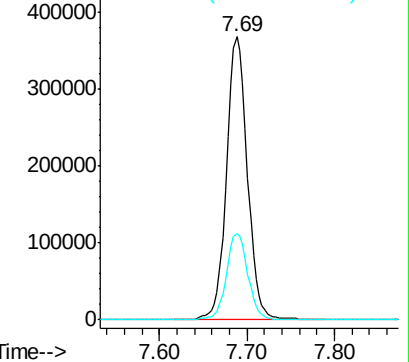
Ion Ratio Lower Upper

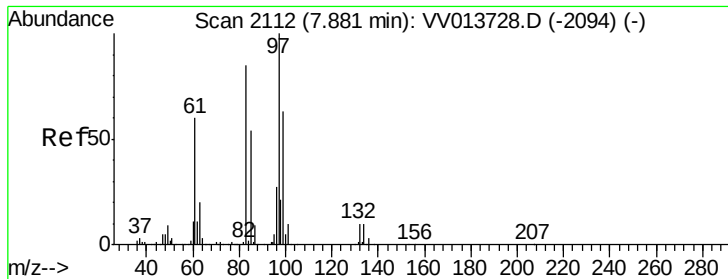
75 100

77 30.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV013728.D (-2035) (-)





#45

1,1,2-Trichloroethane

Concen: 18.908 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

Tgt Ion: 97 Resp: 366606

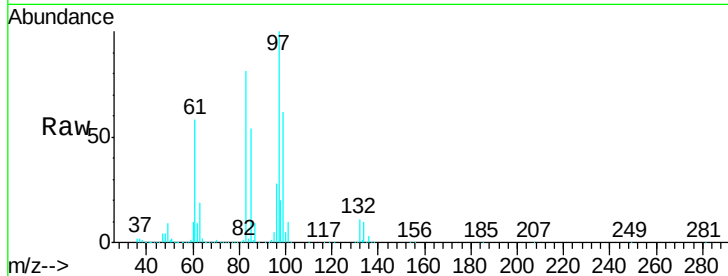
Ion Ratio Lower Upper

97 100

99 62.4 44.2 82.0

83 80.8 59.7 110.9

85 53.8 38.3 71.1

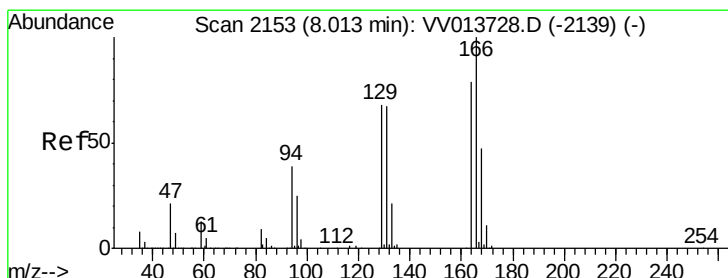
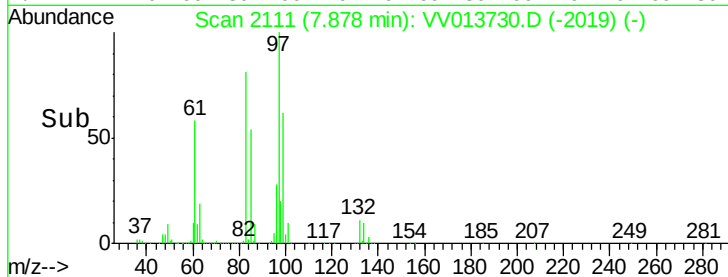
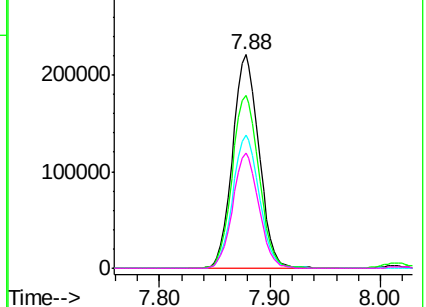


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 17.522 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Tgt Ion: 164 Resp: 481449

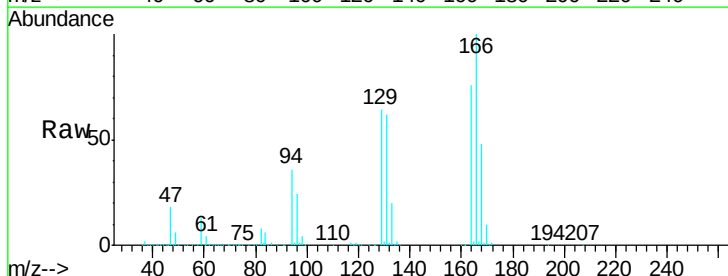
Ion Ratio Lower Upper

164 100

129 84.1 60.3 112.1

131 81.9 59.9 111.3

166 131.2 89.1 165.5

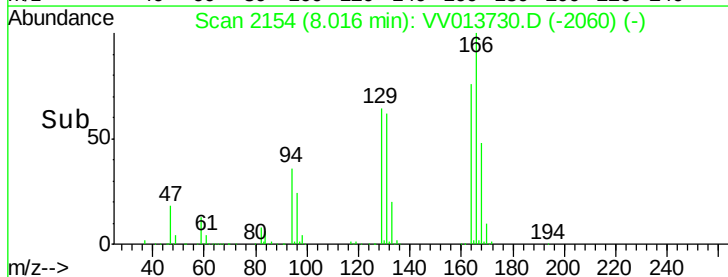
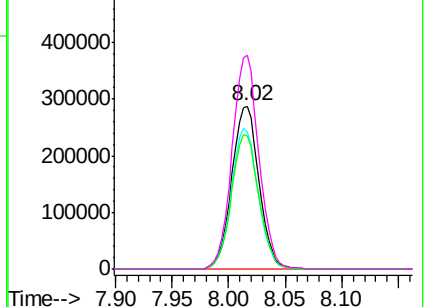


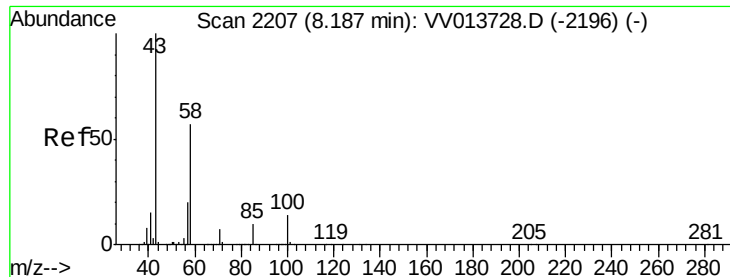
Abundance Ion 163.90 (163.60 to 164.60): V

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

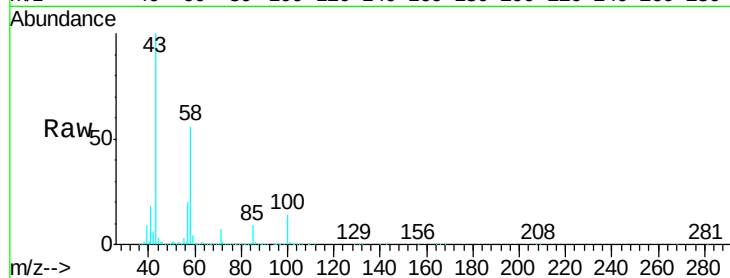




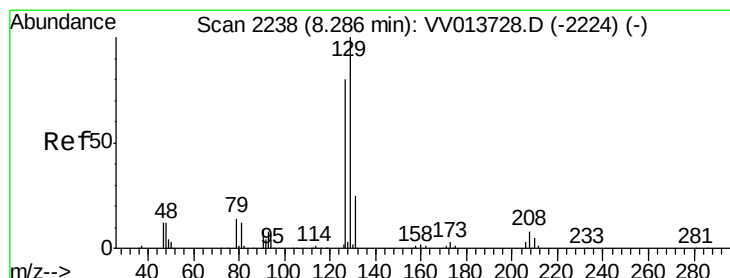
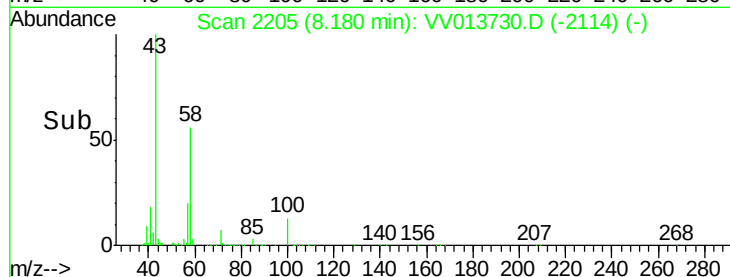
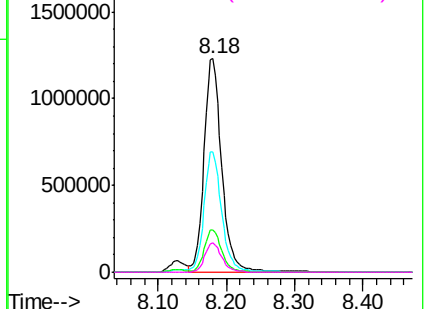
#48
2-Hexanone
Concen: 198.661 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD02036

Tgt Ion: 43 Resp: 2223556
Ion Ratio Lower Upper
43 100
58 56.0 43.2 64.8
57 19.7 15.4 23.2
100 13.3 10.4 15.6

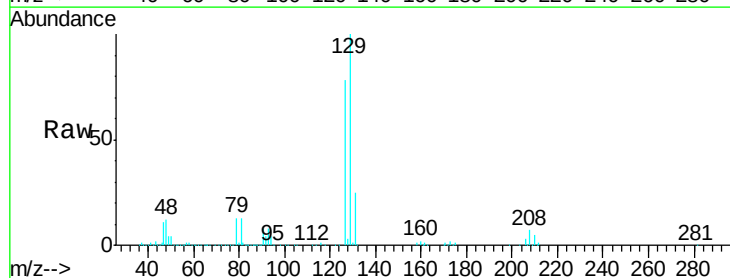


Abundance Ion 43.05 (42.75 to 43.75): VV013730.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV013730.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV013730.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV013730.D (-2114) (-)

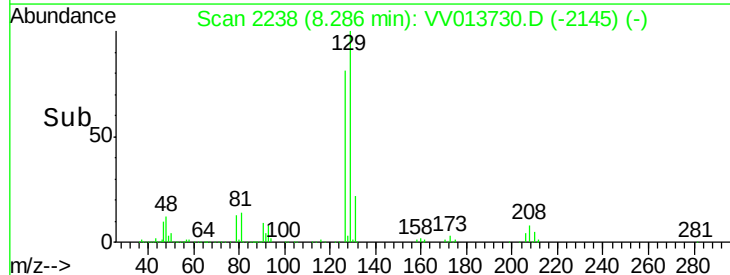
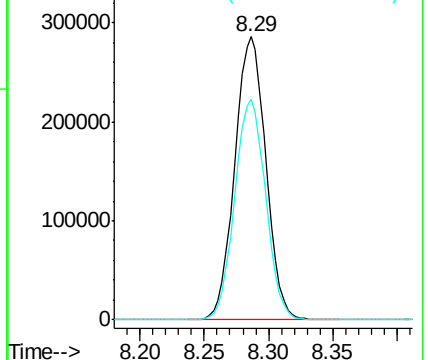


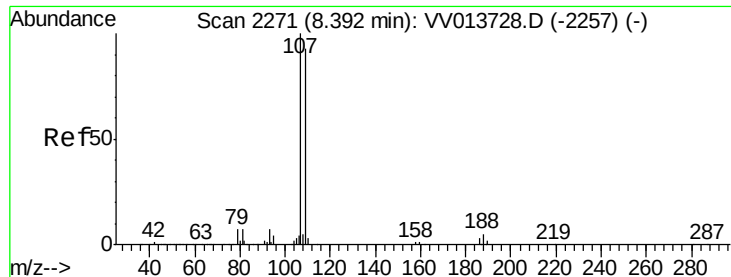
#49
Dibromochloromethane
Concen: 19.358 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013730.D
Acq: 22 Nov 2019 11:57

Tgt Ion: 129 Resp: 479104
Ion Ratio Lower Upper
129 100
127 77.8 55.7 103.5



Abundance Ion 128.95 (128.65 to 129.65): VV013730.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013730.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 18.103 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

VSTD02036

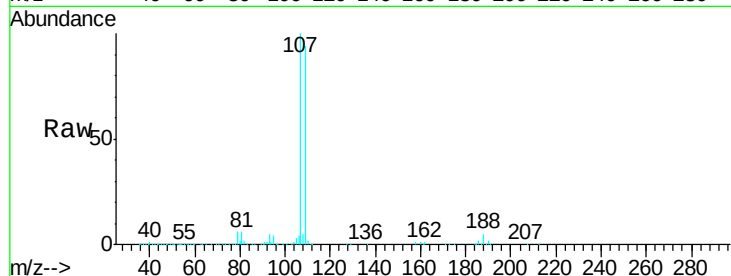
Tgt Ion:107 Resp: 335132

Ion Ratio Lower Upper

107 100

109 94.1 65.2 121.0

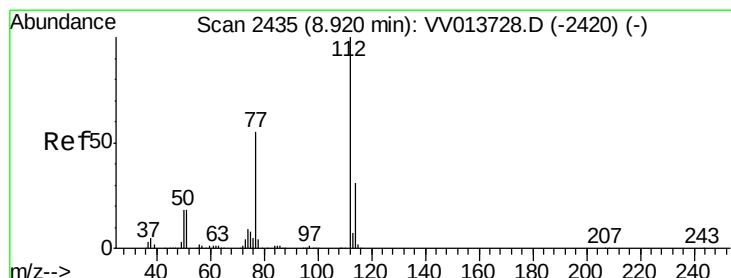
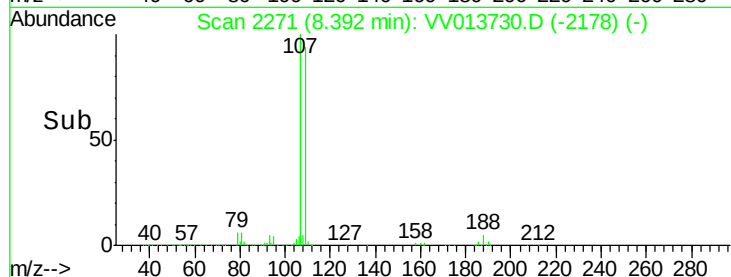
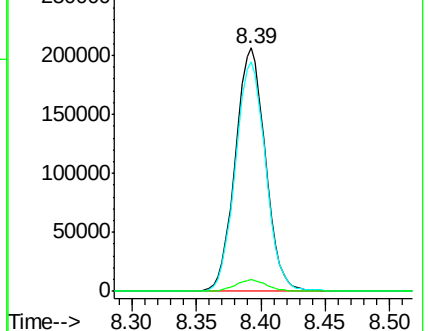
188 4.7 4.2 6.2



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 18.558 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

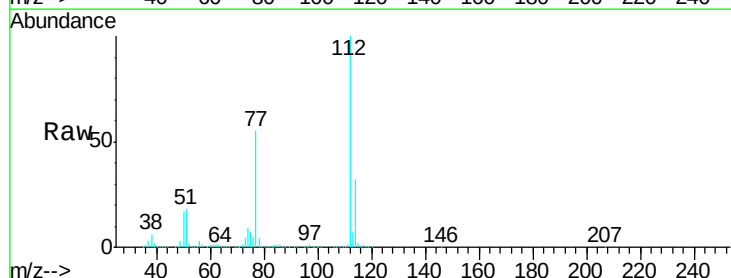
Tgt Ion:112 Resp: 1474776

Ion Ratio Lower Upper

112 100

114 32.3 21.8 40.6

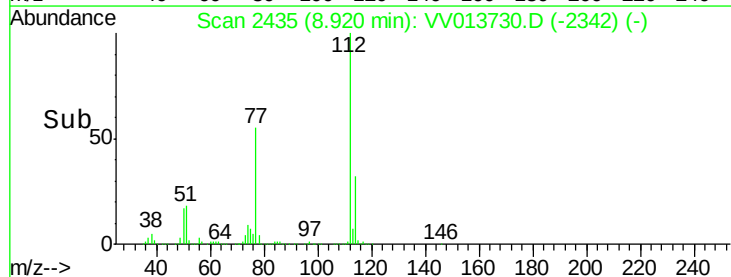
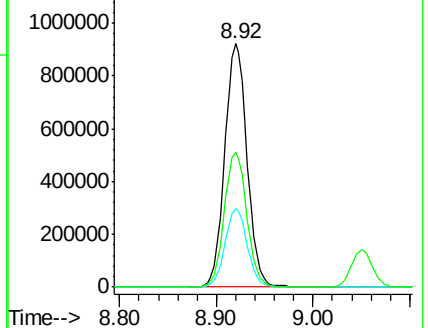
77 55.4 44.2 66.4

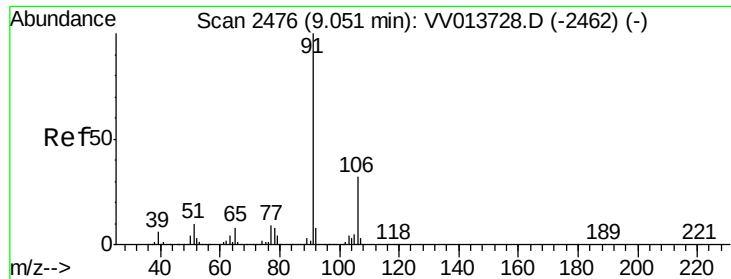


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 19.852 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

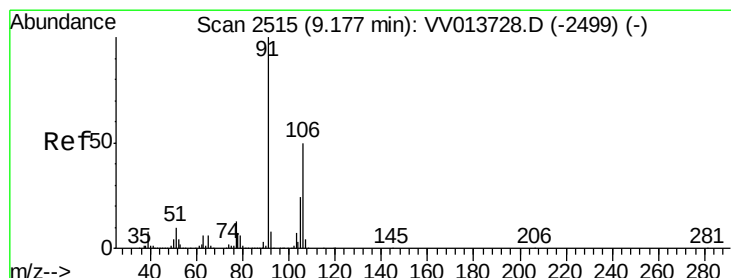
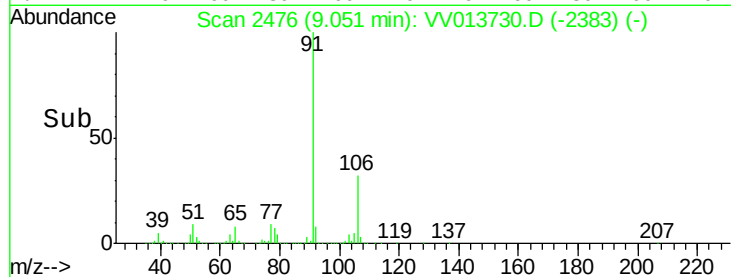
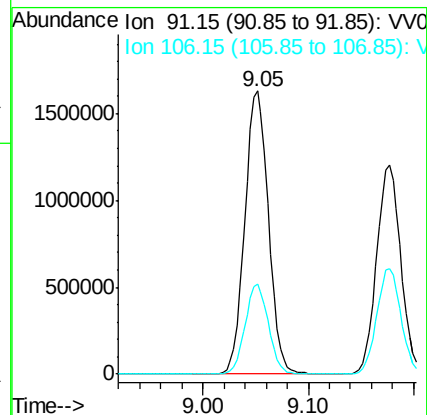
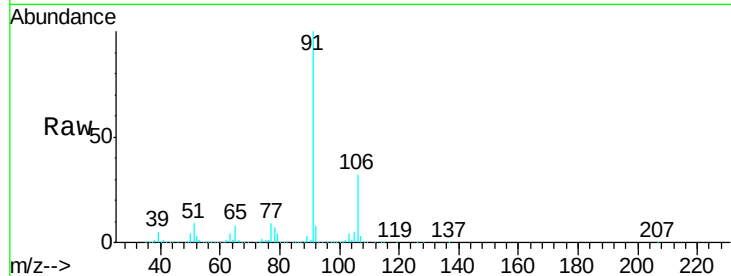
VSTD02036

Tgt Ion: 91 Resp: 2526329

Ion Ratio Lower Upper

91 100

106 31.7 22.1 41.1



#53

m,p-xylene

Concen: 20.367 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013730.D

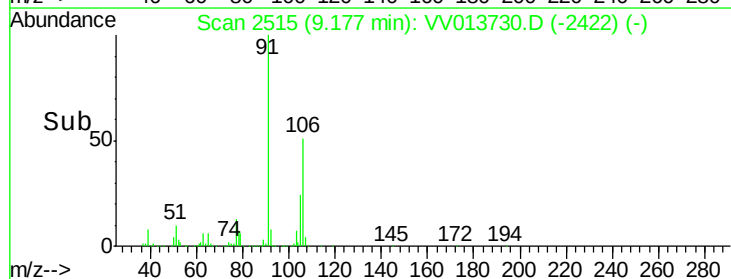
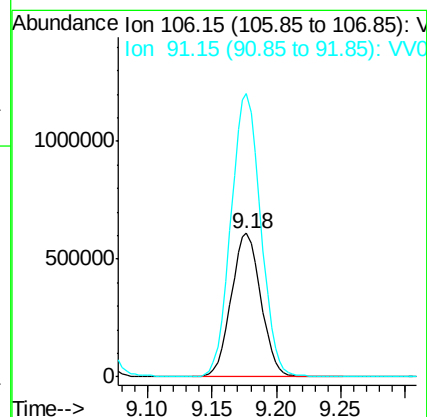
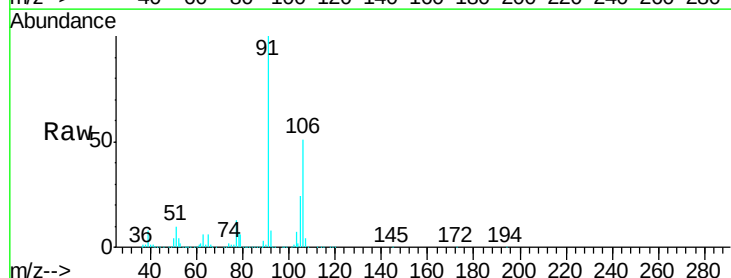
Acq: 22 Nov 2019 11:57

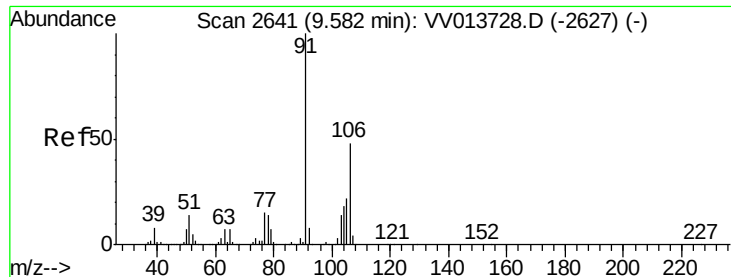
Tgt Ion: 106 Resp: 971377

Ion Ratio Lower Upper

106 100

91 197.3 139.9 259.9





#54

o-xylene

Concen: 20.667 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

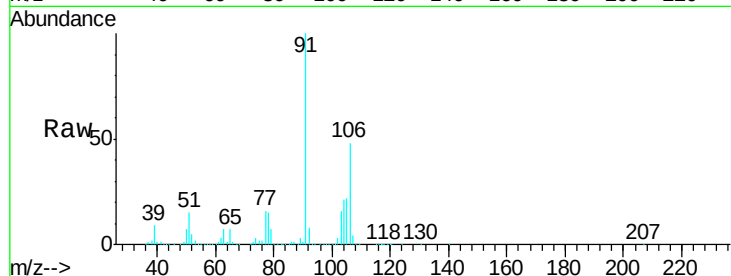
VSTD02036

Tgt Ion:106 Resp: 956317

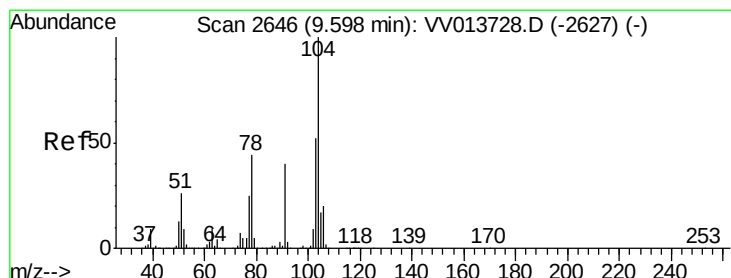
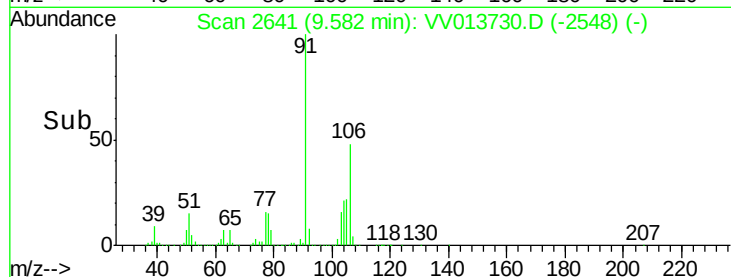
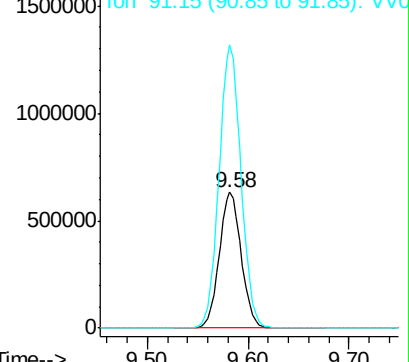
Ion Ratio Lower Upper

106 100

91 208.5 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 21.177 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013730.D

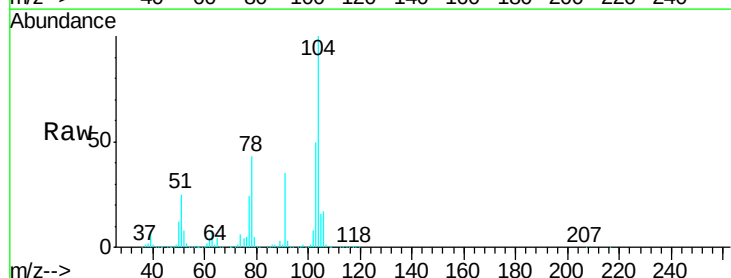
Acq: 22 Nov 2019 11:57

Tgt Ion:104 Resp: 1661055

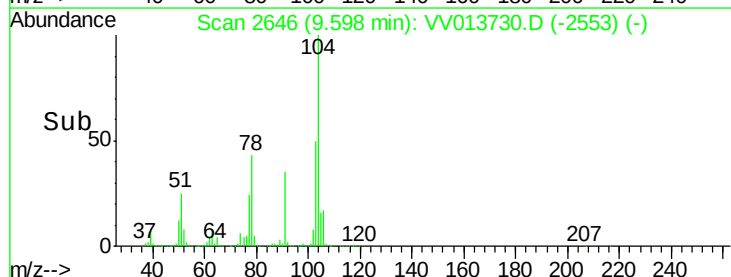
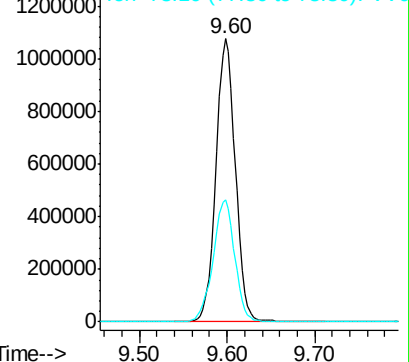
Ion Ratio Lower Upper

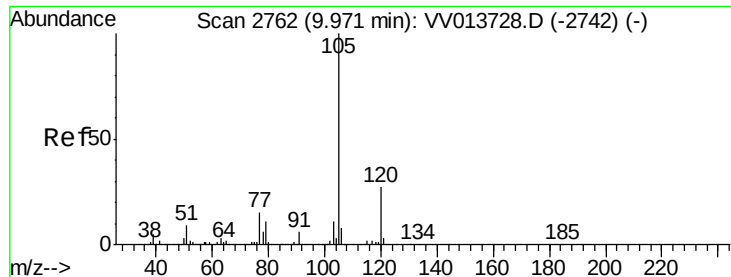
104 100

78 43.2 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 21.146 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

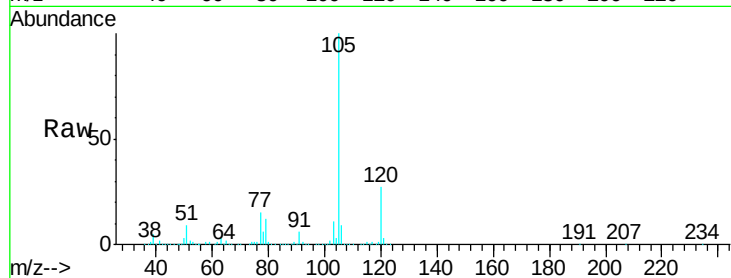
Tgt Ion:105 Resp: 2616320

Ion Ratio Lower Upper

105 100

120 26.8 21.3 31.9

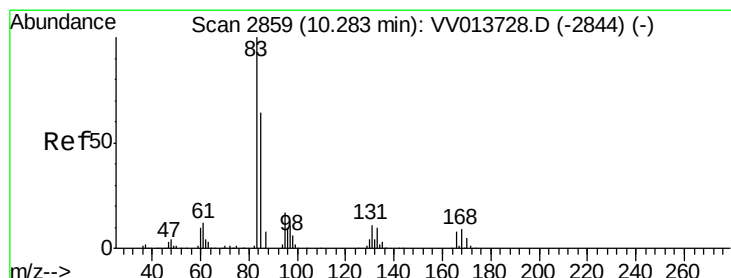
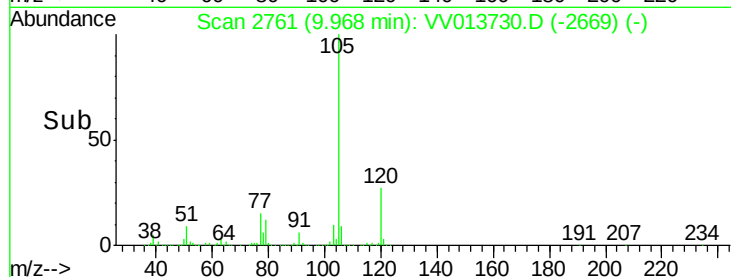
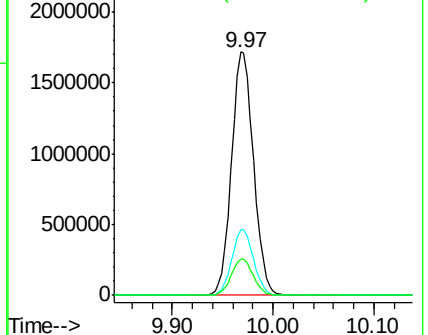
77 14.9 12.1 18.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 19.018 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

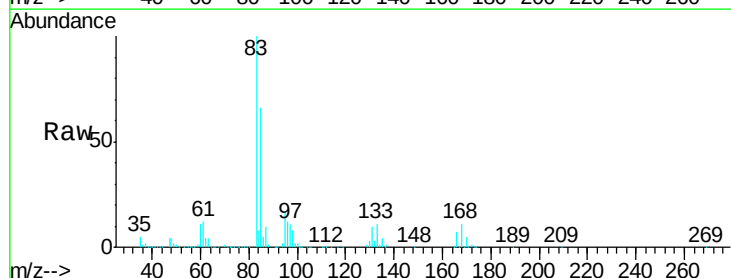
Tgt Ion: 83 Resp: 407806

Ion Ratio Lower Upper

83 100

85 66.0 45.1 83.7

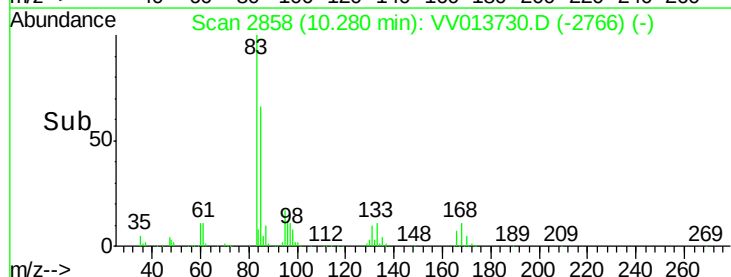
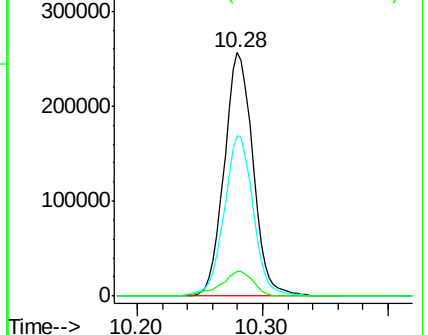
131 10.1 9.3 13.9

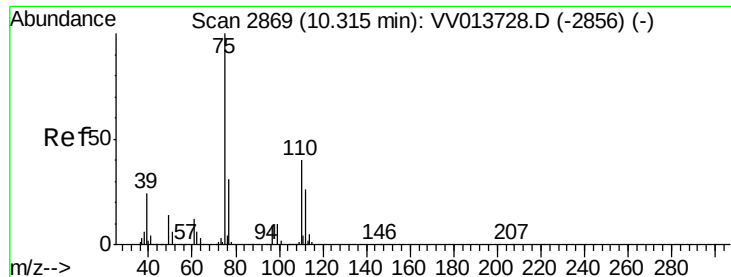


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

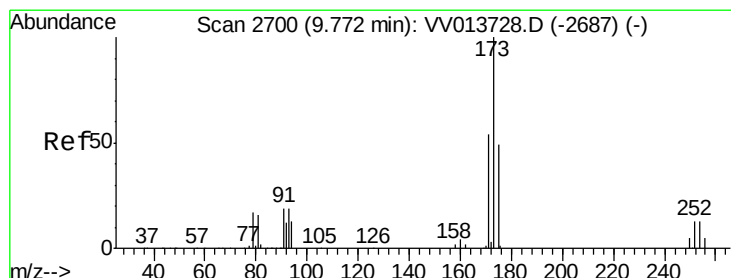
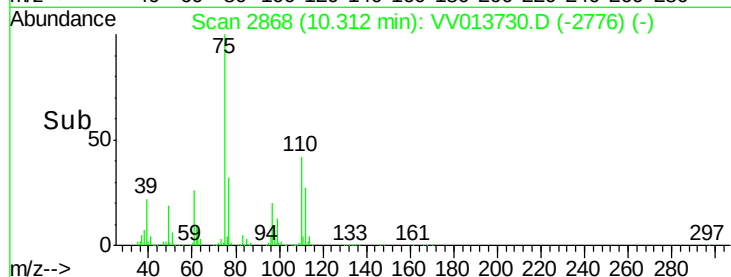
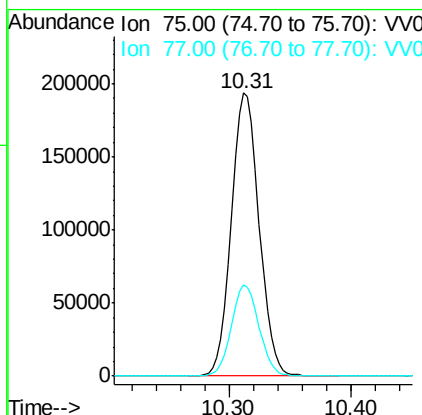
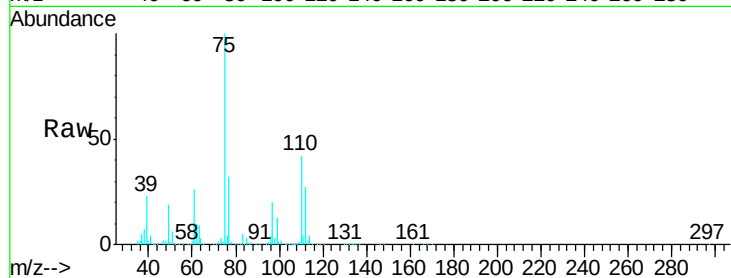




#59
 1,2,3-Trichloropropane
 Concen: 18.368 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

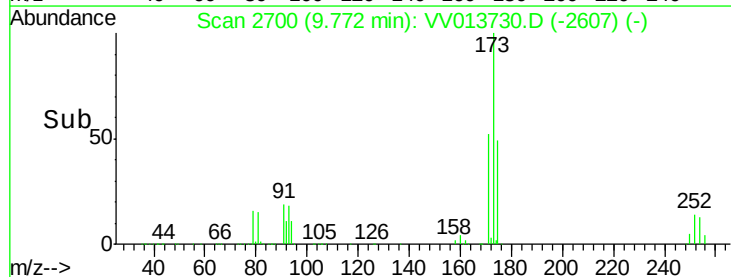
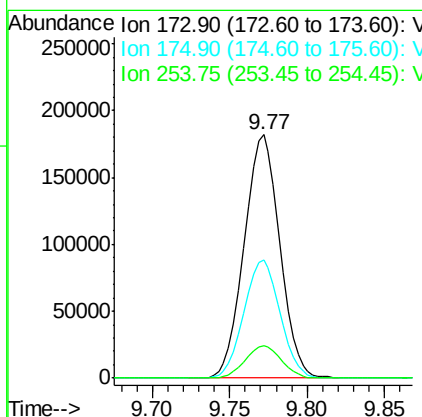
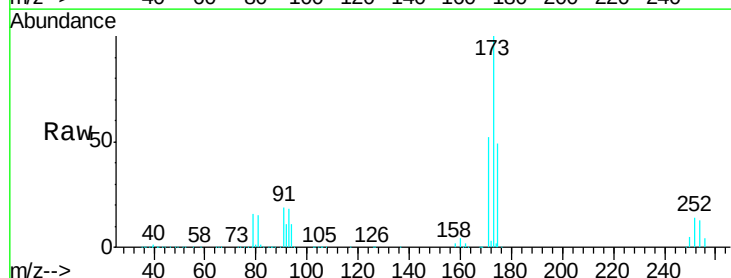
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

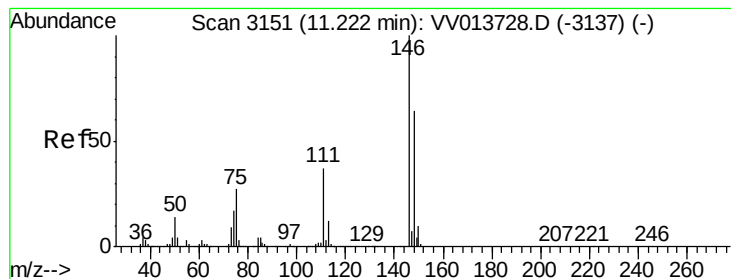
Tgt Ion: 75 Resp: 307945
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.7 38.5



#61
 Bromoform
 Concen: 18.526 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 173 Resp: 292478
 Ion Ratio Lower Upper
 173 100
 175 49.2 39.1 58.7
 254 13.4 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 18.541 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

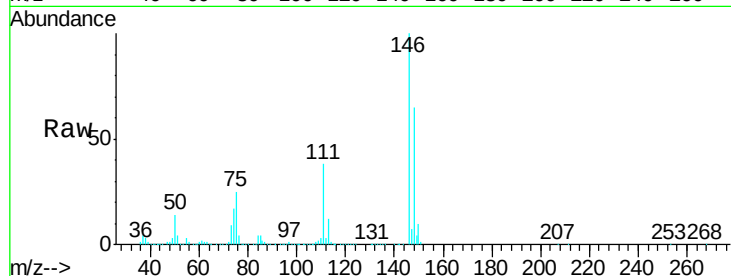
Tgt Ion:146 Resp: 1320254

Ion Ratio Lower Upper

146 100

111 37.6 25.6 47.6

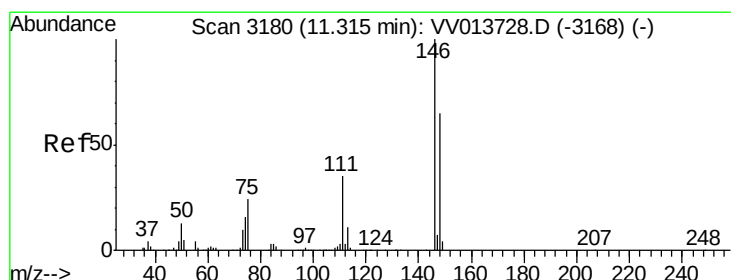
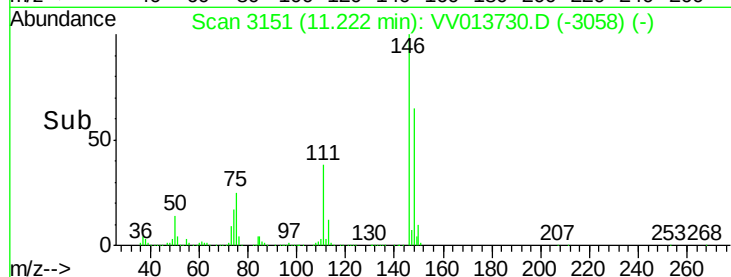
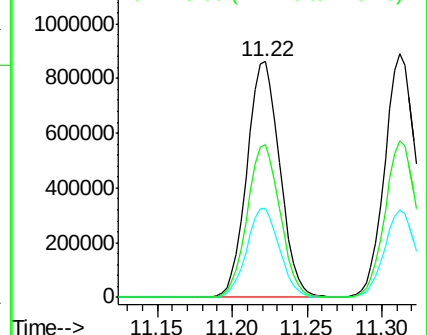
148 64.8 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 18.271 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

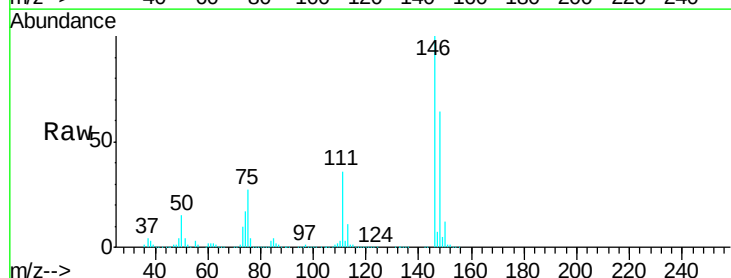
Tgt Ion:146 Resp: 1319977

Ion Ratio Lower Upper

146 100

111 35.7 25.0 46.4

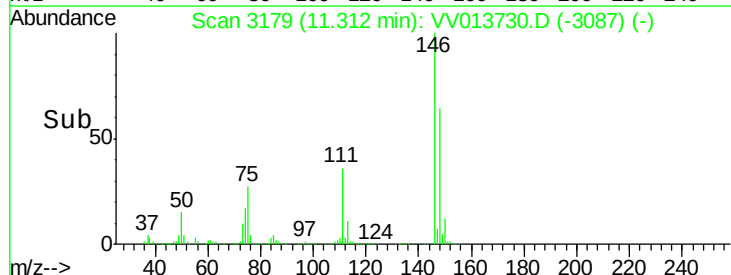
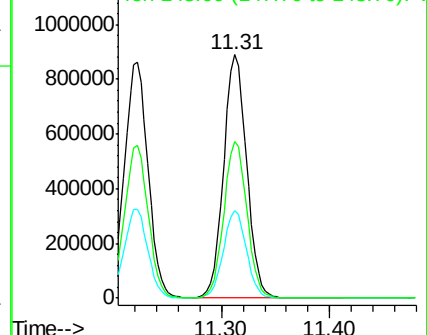
148 64.2 45.4 84.2

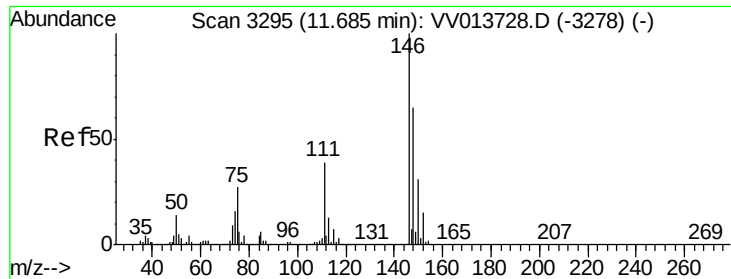


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

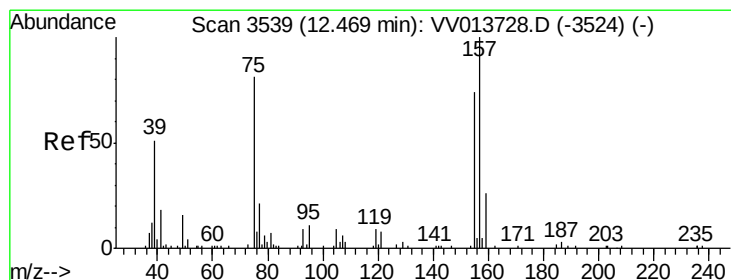
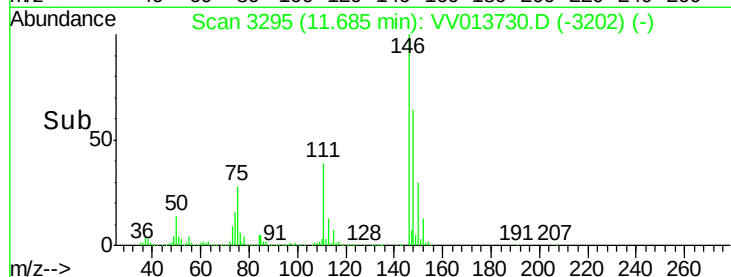
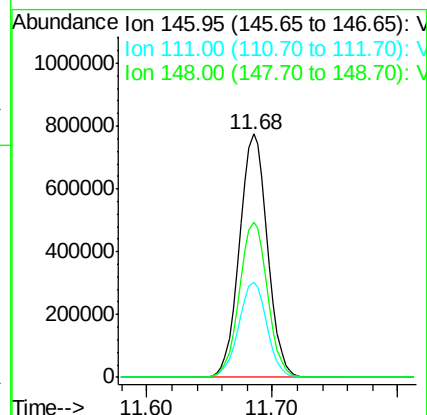
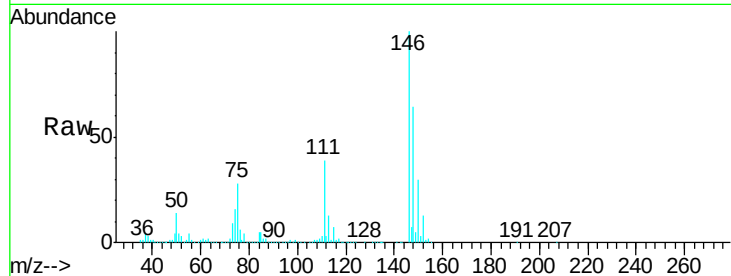




#65
 1,2-Dichlorobenzene
 Concen: 18.074 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

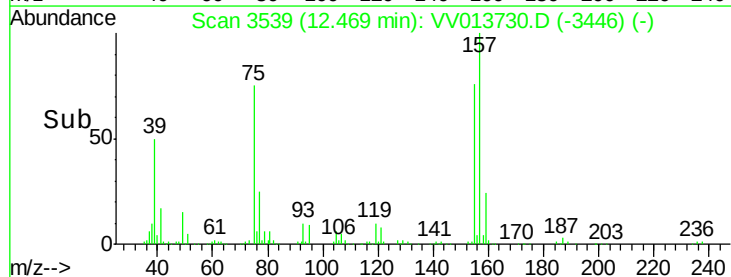
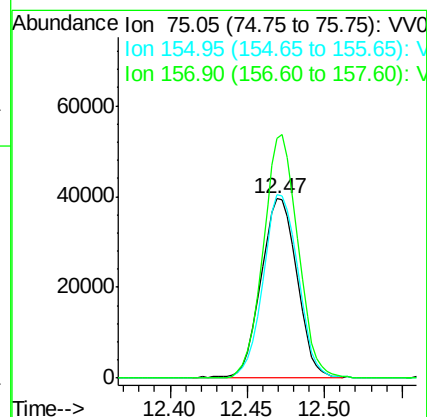
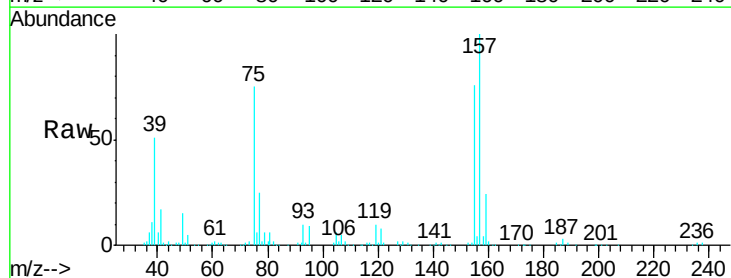
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

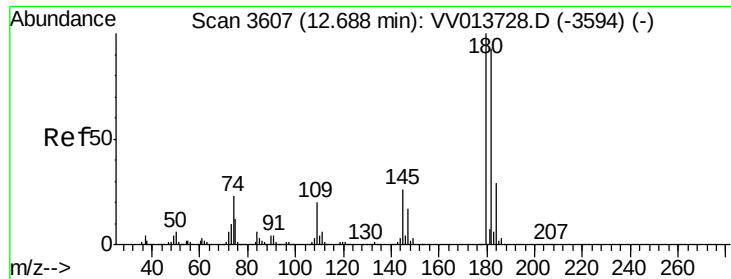
Tgt Ion:146 Resp: 1196688
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.3 46.9
 148 63.7 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 16.258 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion: 75 Resp: 64300
 Ion Ratio Lower Upper
 75 100
 155 101.8 73.4 110.0
 157 133.6 98.7 148.1

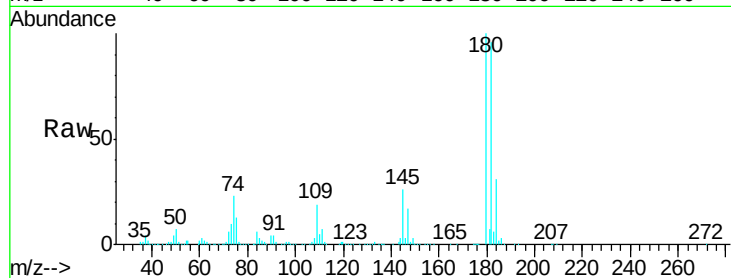




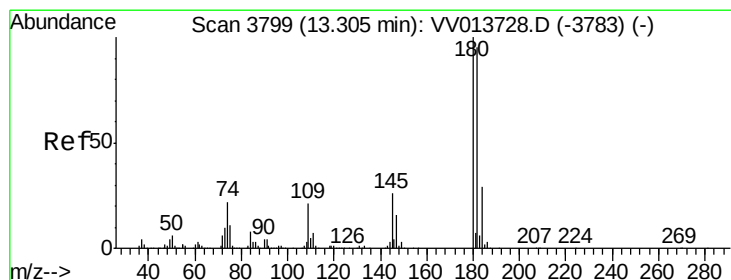
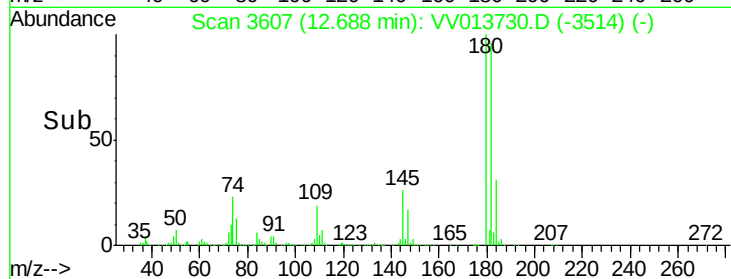
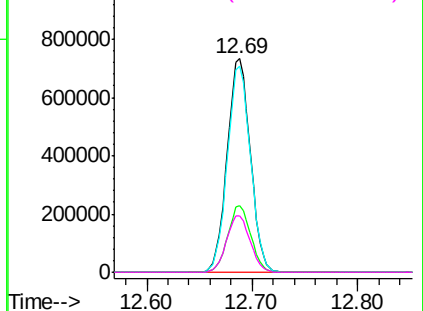
#67
 1,3,5-Trichlorobenzene
 Concen: 18.710 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02036

Tgt Ion:180 Resp: 1112659
 Ion Ratio Lower Upper
 180 100
 182 96.2 74.8 112.2
 184 30.8 23.2 34.8
 145 27.0 21.3 31.9

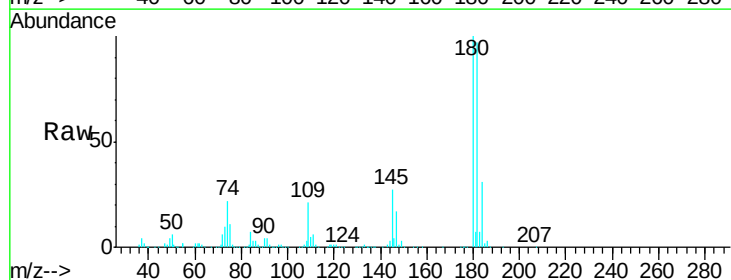


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

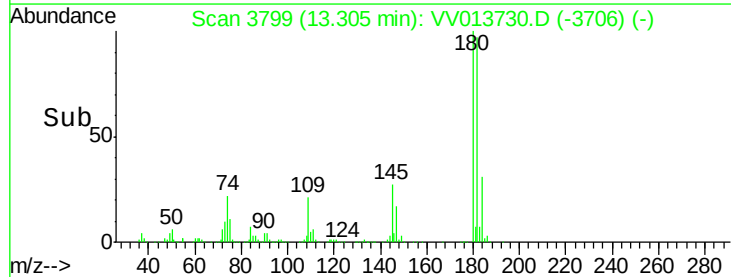
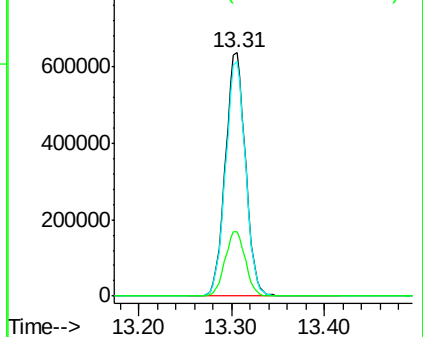


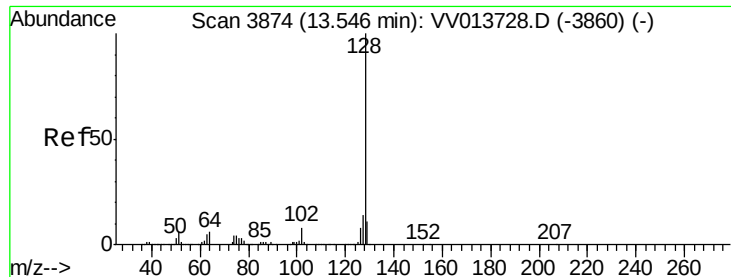
#68
 1,2,4-trichlorobenzene
 Concen: 19.513 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013730.D
 Acq: 22 Nov 2019 11:57

Tgt Ion:180 Resp: 956092
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.4
 145 26.9 21.0 31.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 21.528 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD02036

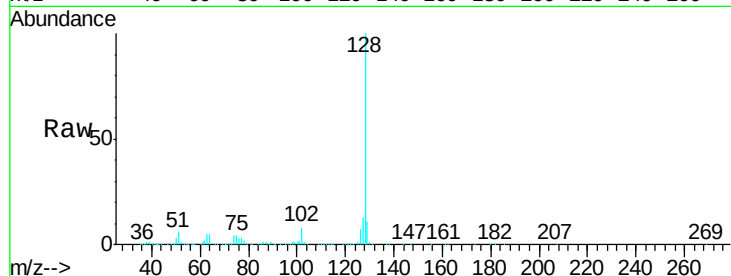
Tgt Ion:128 Resp: 1435013

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

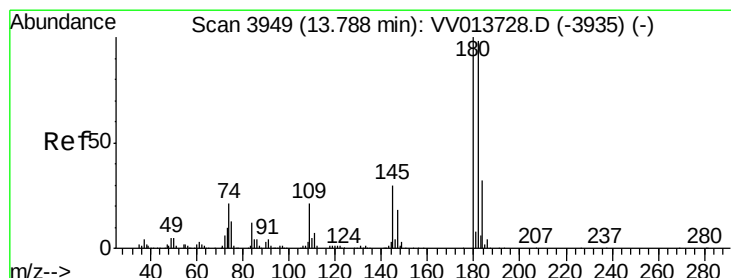
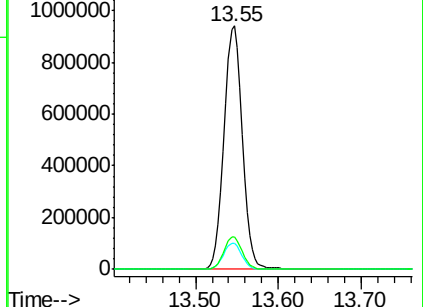
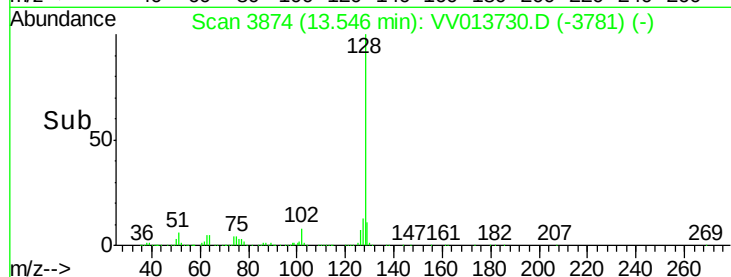
127 13.2 10.6 16.0



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: 19.952 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013730.D

Acq: 22 Nov 2019 11:57

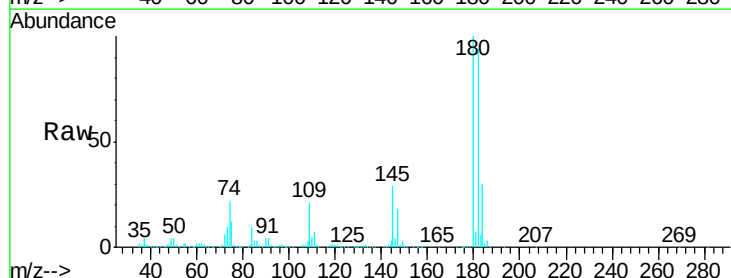
Tgt Ion:180 Resp: 883051

Ion Ratio Lower Upper

180 100

182 95.5 78.5 117.7

145 29.0 23.8 35.8



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

