

Data File : VV009677.D
Acq On : 14 Mar 2019 20:17
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

Quant Time: Mar 15 04:35:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 15 04:30:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	135392	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	139705	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65609	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42753	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
7) Chloroethane-d5	1.57	69	44503	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
10) 1,1-Dichloroethene-d2	2.13	63	117586	25.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.52%
20) 2-Butanone-d5	3.93	46	30313	66.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	133.70%
24) Chloroform-d	4.40	84	96514	27.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.84%
26) 1,2-Dichloroethane-d4	5.08	65	60194	30.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.28%
29) Benzene-d6	5.10	84	194770	26.58	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.32%
33) 1,2-Dichloropropane-d6	6.12	67	57208	26.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.88%
37) Toluene-d8	7.36	98	189674	26.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.00%
38) trans-1,3-Dichloropropene-	7.66	79	26507	26.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.76%
39) 2-Hexanone-d5	8.13	63	22670	57.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59994	29.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	67561	26.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	48235	23.026	ug/L	97
3) Chloromethane	1.25	50	44799	24.004	ug/L	97
5) Vinyl chloride	1.32	62	45559	22.720	ug/L	99
6) Bromomethane	1.51	94	52498	23.655	ug/L	100
8) Chloroethane	1.59	64	33525	19.469	ug/L	99
9) Trichlorofluoromethane	1.76	101	100543	23.636	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	55129	23.833	ug/L	98
12) 1,1-Dichloroethene	2.14	96	47256	23.286	ug/L	92
13) Acetone	2.19	43	29118	53.266	ug/L	98
14) Carbon disulfide	2.31	76	118586	23.335	ug/L	99
15) Methyl Acetate	2.46	43	21984	27.564	ug/L	96
16) Methylene chloride	2.53	84	50136	25.437	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	117851	27.957	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	45136	25.517	ug/L	98
19) 1,1-Dichloroethane	3.23	63	81683	26.457	ug/L	97
21) 2-Butanone	4.01	43	35681	52.870	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	52518	26.495	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25085	27.374	ug/L	94
25) Chloroform	4.42	83	97152	27.617	ug/L	99
27) 1,2-Dichloroethane	5.18	62	65850	27.110	ug/L	99
30) Cyclohexane	4.73	56	67978	21.538	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	75526	23.086	ug/L	97
32) Carbon tetrachloride	4.87	117	64891	23.409	ug/L	98
34) Benzene	5.15	78	190590	24.065	ug/L	100
35) Trichloroethene	5.96	95	50619	23.017	ug/L	99
36) Methylcyclohexane	6.18	83	77127	21.119	ug/L	97
40) 1,2-Dichloropropane	6.22	63	47164	24.511	ug/L #	96
41) Bromodichloromethane	6.56	83	66443	25.097	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	73404	25.126	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	67315	51.159	ug/L	97
44) Toluene	7.43	91	211902	24.021	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	63903	25.329	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	42253	26.281	ug/L	98
47) Tetrachloroethene	8.02	164	39847	22.937	ug/L	98
49) 2-Hexanone	8.18	43	48229	48.806	ug/L	100
50) Dibromochloromethane	8.29	129	46717	25.622	ug/L	98
51) 1,2-Dibromoethane	8.40	107	41648	26.154	ug/L #	99
52) Chlorobenzene	8.93	112	137672	23.985	ug/L	99
53) Ethylbenzene	9.06	91	233848	23.968	ug/L	97
54) m,p-Xylene	9.18	106	90432	24.554	ug/L	99
55) o-xylene	9.59	106	87554	24.223	ug/L	95
56) Styrene	9.60	104	151195	25.647	ug/L	98
57) Isopropylbenzene	9.98	105	227353	23.717	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	56578	27.141	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	39668	26.507	ug/L	98
62) Bromoform	9.78	173	26220	26.153	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	102596	23.965	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	103948	23.854	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	100248	25.167	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	8076	27.386	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	70551	23.664	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	50947	24.107	ug/L	99
69) Naphthalene	13.55	128	84253	24.136	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	49254	25.343	ug/L	96

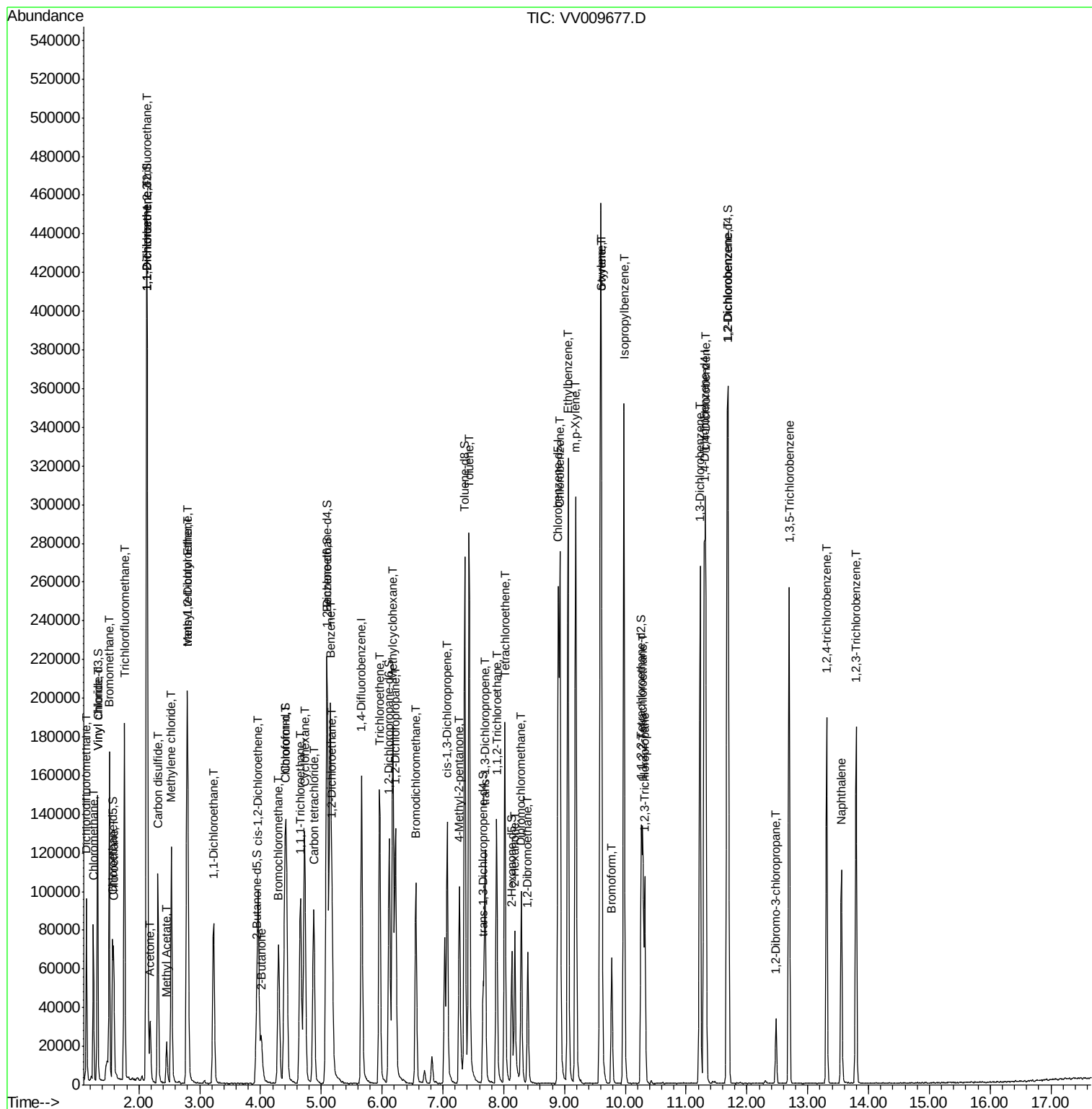
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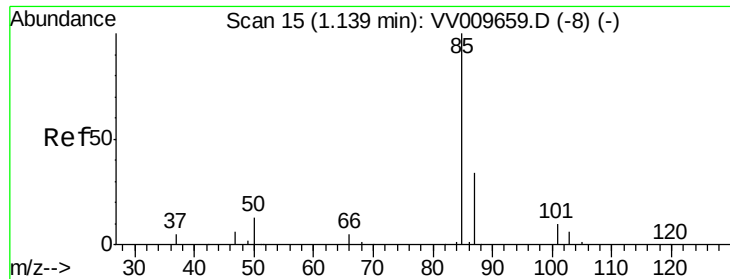
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#2

Dichlorodifluoromethane

Concen: 23.026 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

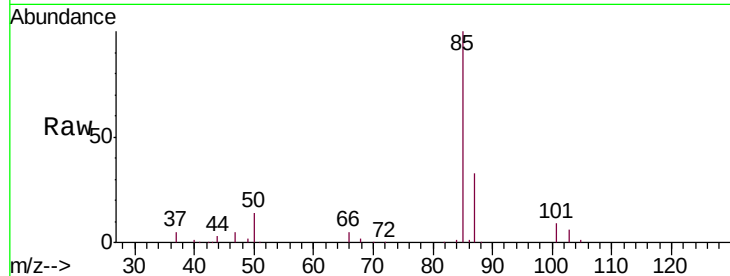
VSTD02561

Tgt Ion: 85 Resp: 48235

Ion Ratio Lower Upper

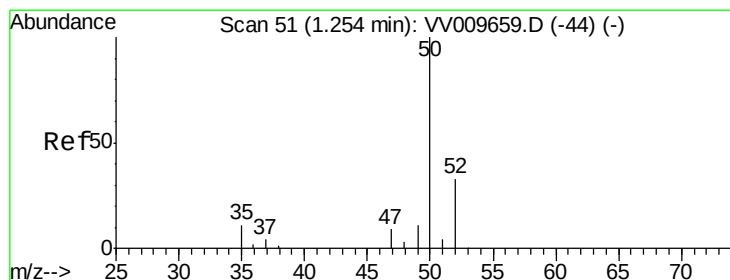
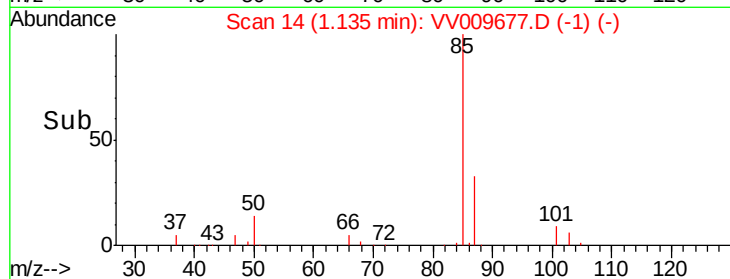
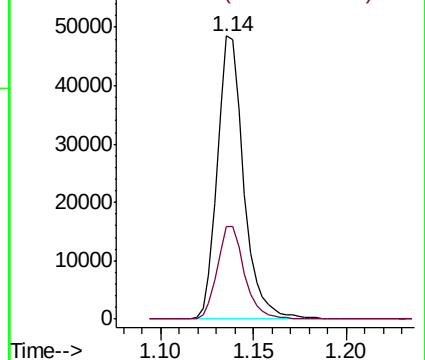
85 100

87 33.6 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV009659.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009677.D (-1) (-)



#3

Chloromethane

Concen: 24.004 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009677.D

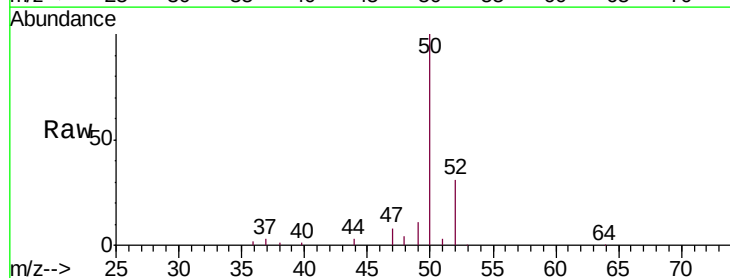
Acq: 14 Mar 2019 20:17

Tgt Ion: 50 Resp: 44799

Ion Ratio Lower Upper

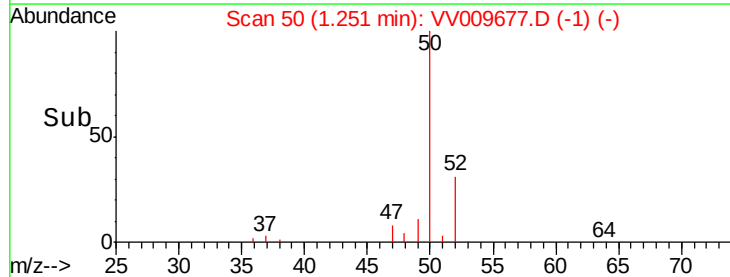
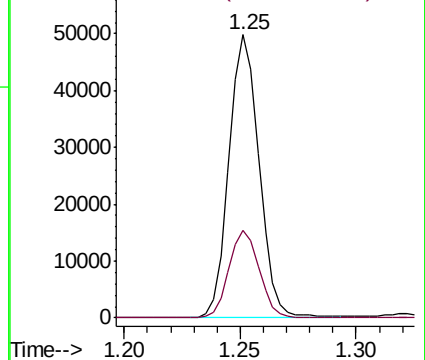
50 100

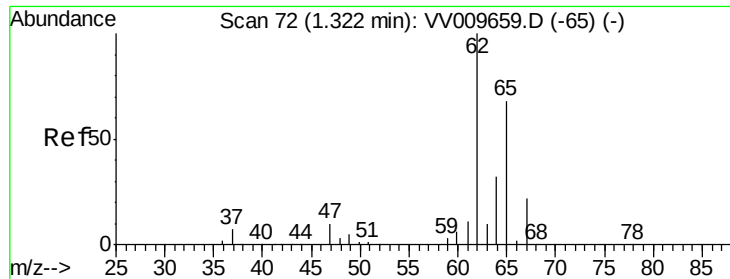
52 30.9 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV009659.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV009677.D (-1) (-)





#5

Vinyl chloride

Concen: 22.720 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

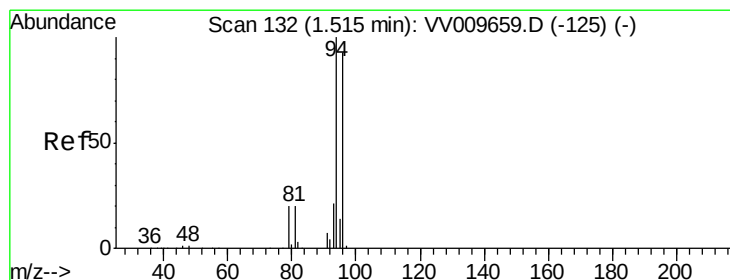
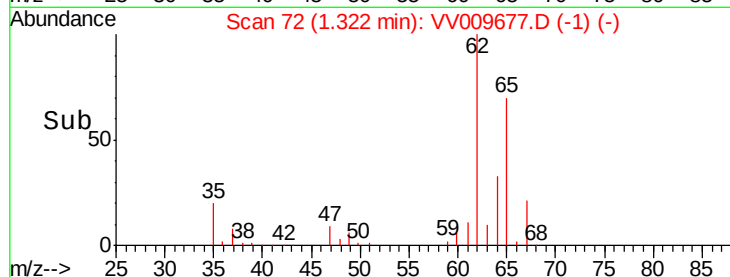
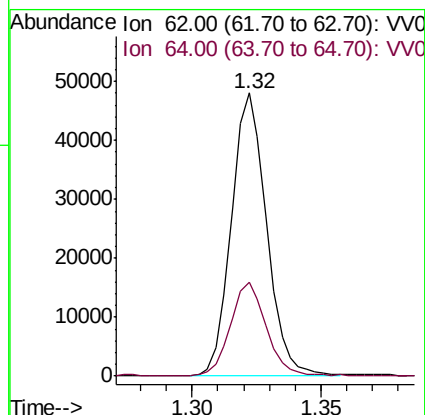
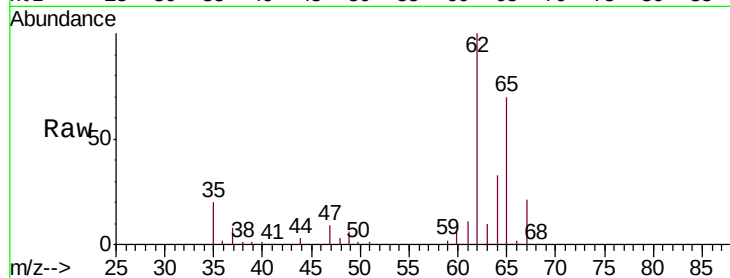
VSTD02561

Tgt Ion: 62 Resp: 45559

Ion Ratio Lower Upper

62 100

64 33.0 23.6 43.8



#6

Bromomethane

Concen: 23.655 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009677.D

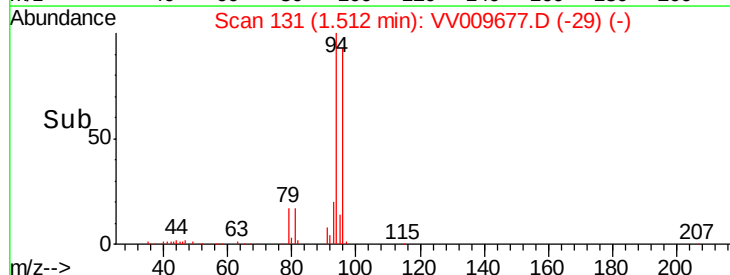
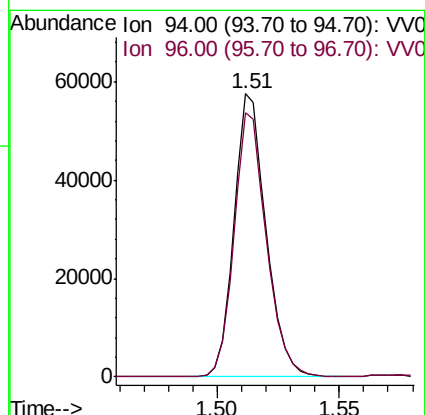
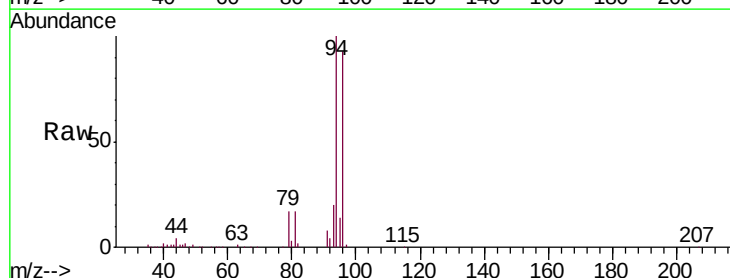
Acq: 14 Mar 2019 20:17

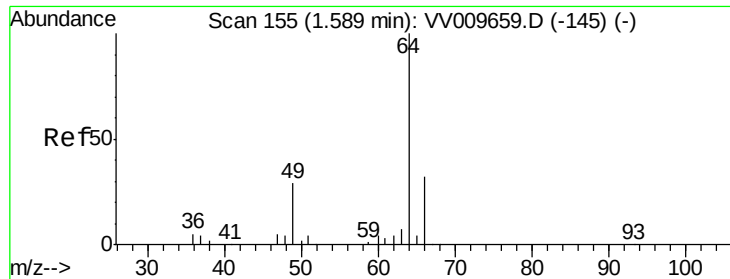
Tgt Ion: 94 Resp: 52498

Ion Ratio Lower Upper

94 100

96 94.0 9.4 178.2





#8

Chloroethane

Concen: 19.469 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

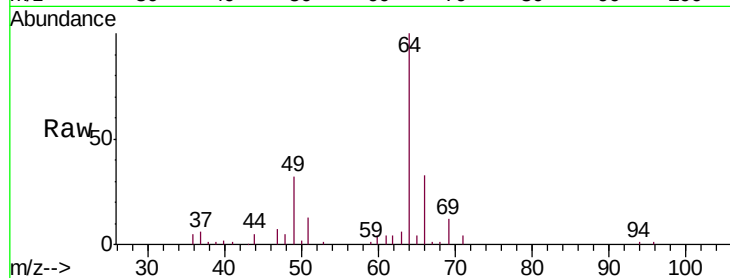
VSTD02561

Tgt Ion: 64 Resp: 33525

Ion Ratio Lower Upper

64 100

66 33.4 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV009659.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV009659.D (-145) (-)

1.59

30000

25000

20000

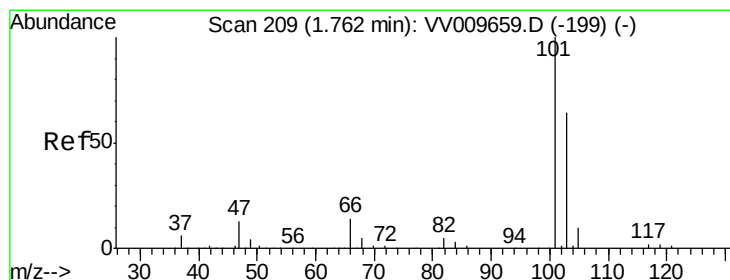
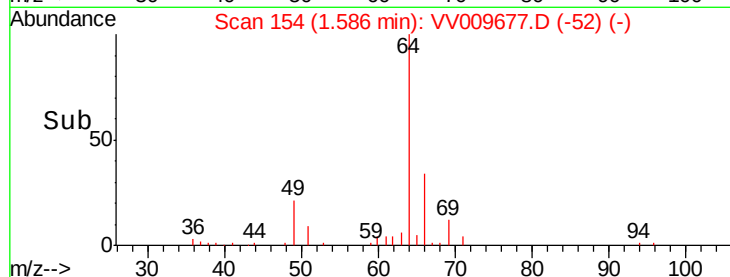
15000

10000

5000

0

Time-->



#9

Trichlorofluoromethane

Concen: 23.636 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV009677.D

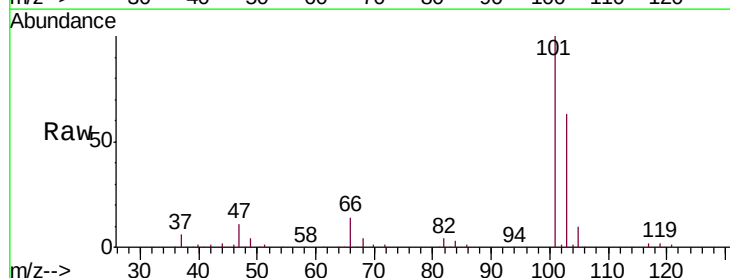
Acq: 14 Mar 2019 20:17

Tgt Ion: 101 Resp: 100543

Ion Ratio Lower Upper

101 100

103 64.9 45.4 84.2



Abundance Ion 101.00 (100.70 to 101.70): VV009659.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009659.D (-199) (-)

1.76

80000

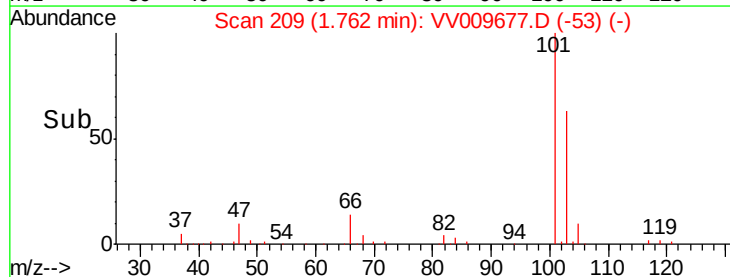
60000

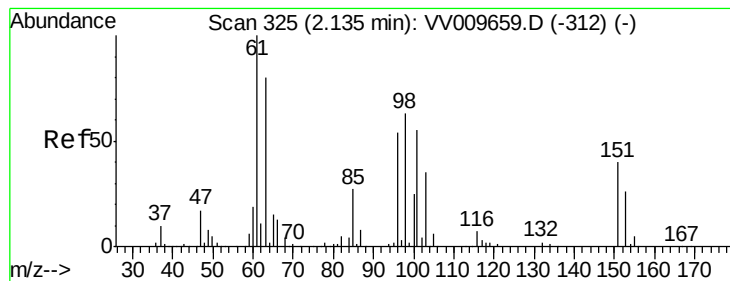
40000

20000

0

Time-->





#11

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

Concen: 23.833 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

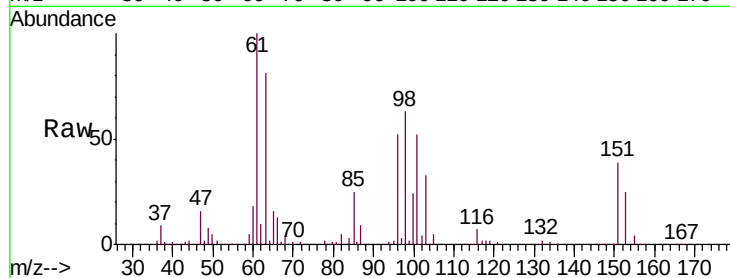
Tgt Ion:101 Resp: 55129

Ion Ratio Lower Upper

101 100

85 48.8 38.7 58.1

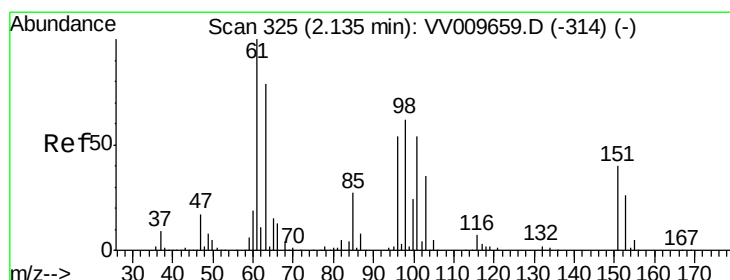
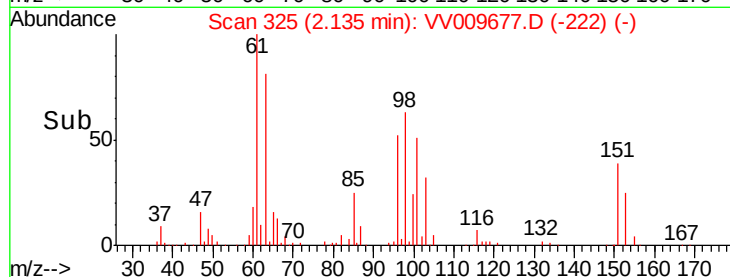
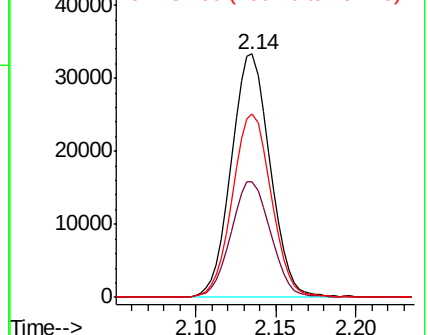
151 75.5 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009659.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009659.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009659.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 23.286 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

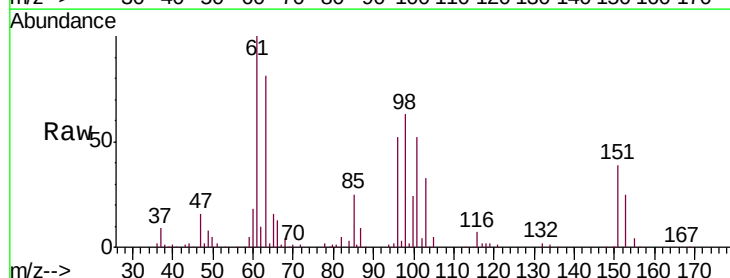
Tgt Ion: 96 Resp: 47256

Ion Ratio Lower Upper

96 100

61 192.0 128.4 238.5

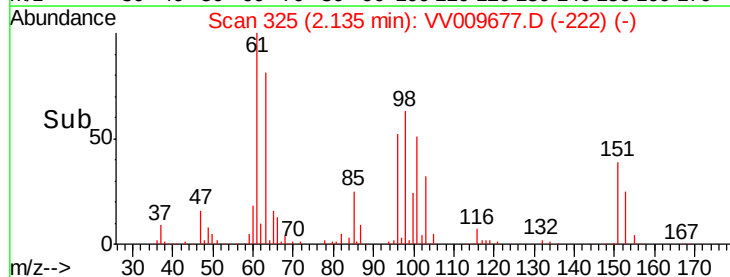
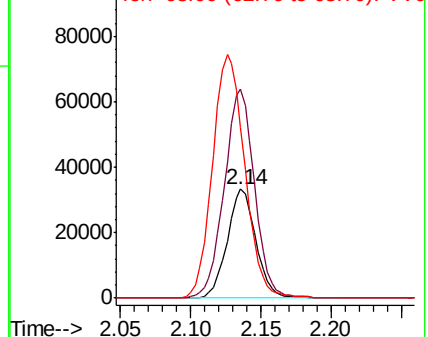
63 155.8 100.7 186.9

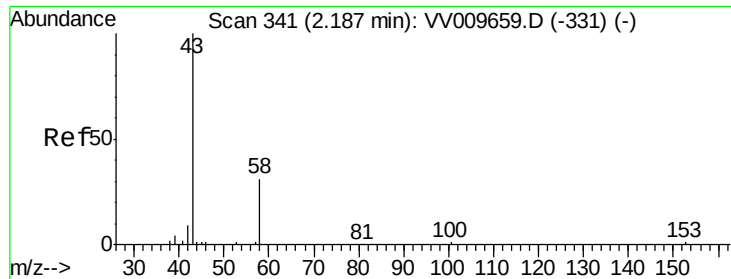


Abundance Ion 96.00 (95.70 to 96.70): VV009659.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009659.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009659.D (-314) (-)





#13

Acetone

Concen: 53.266 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

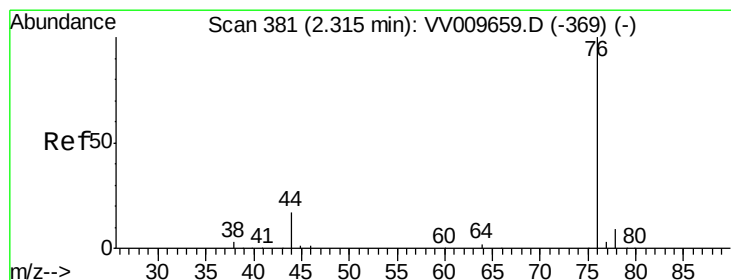
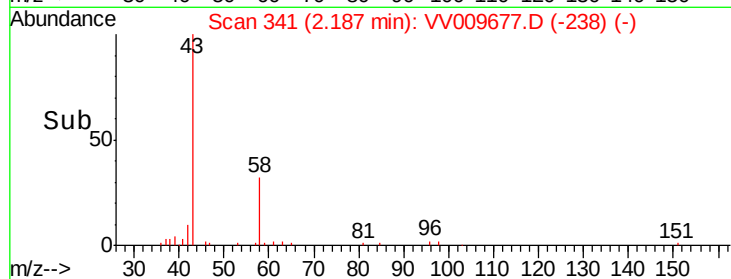
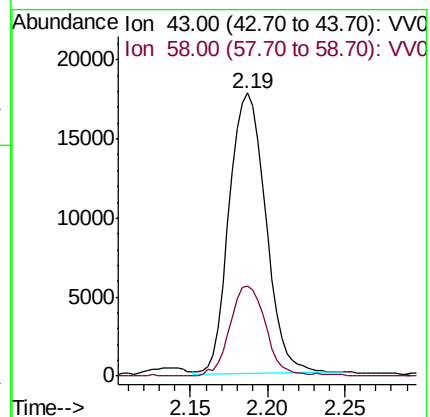
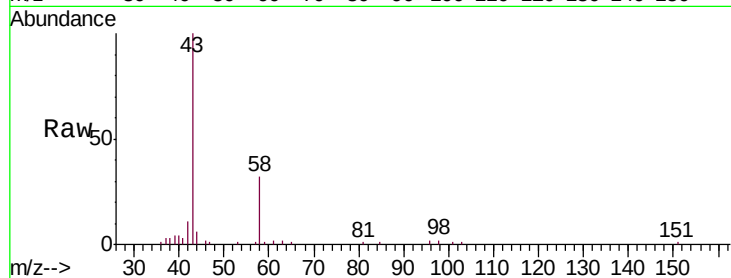
VSTD02561

Tgt Ion: 43 Resp: 29118

Ion Ratio Lower Upper

43 100

58 31.3 0.0 64.8



#14

Carbon disulfide

Concen: 23.335 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009677.D

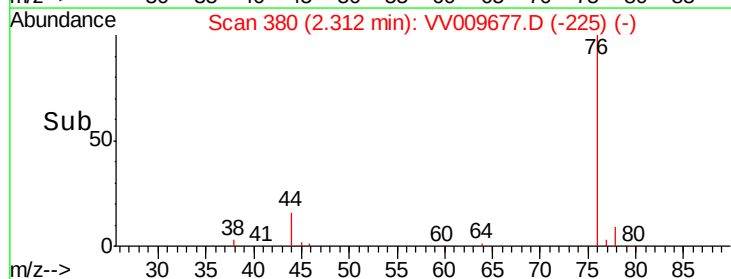
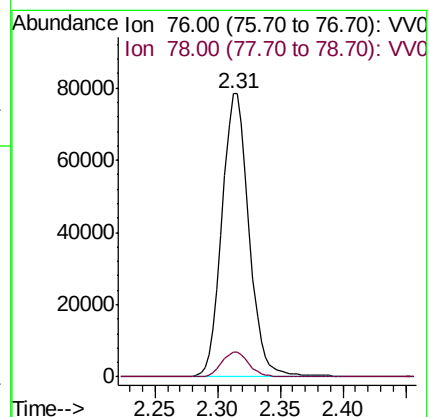
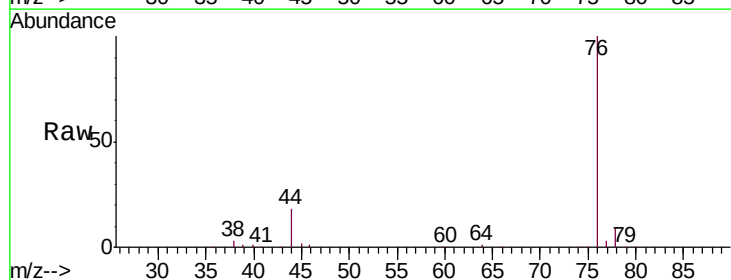
Acq: 14 Mar 2019 20:17

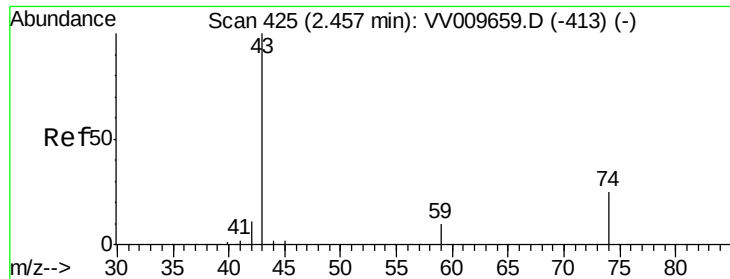
Tgt Ion: 76 Resp: 118586

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9

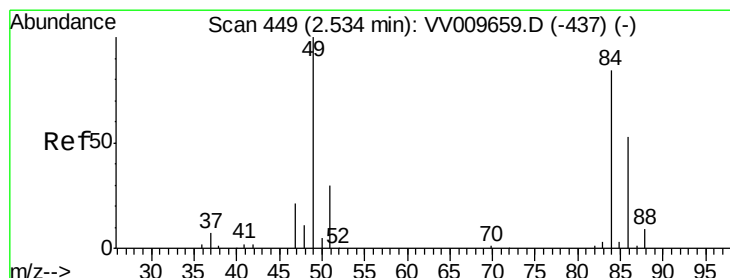
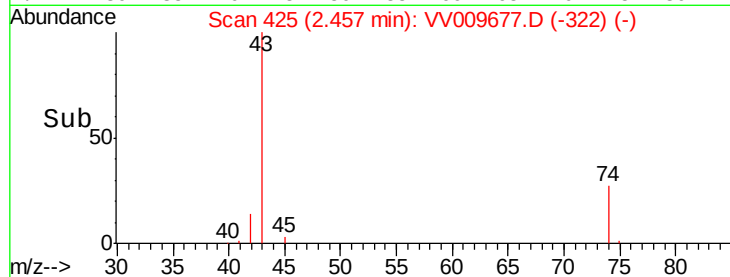
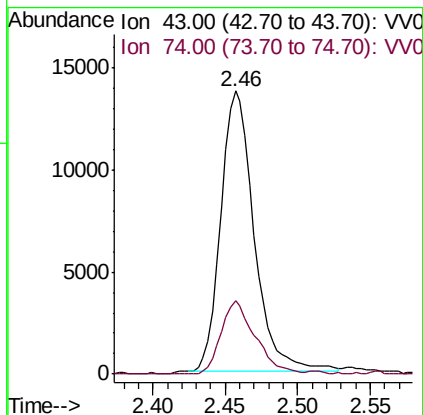
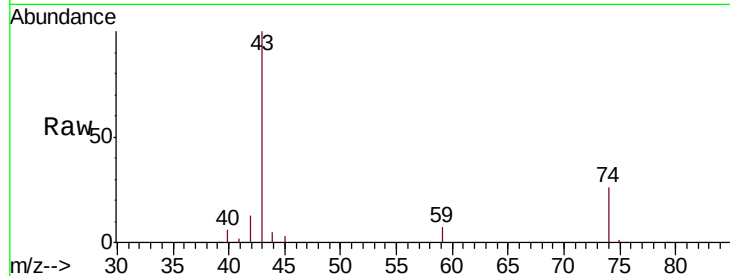




#15
Methyl Acetate
Concen: 27.564 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

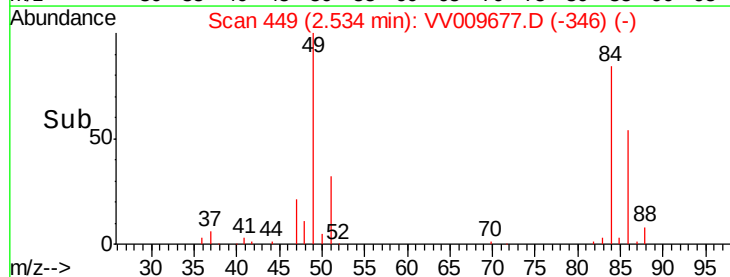
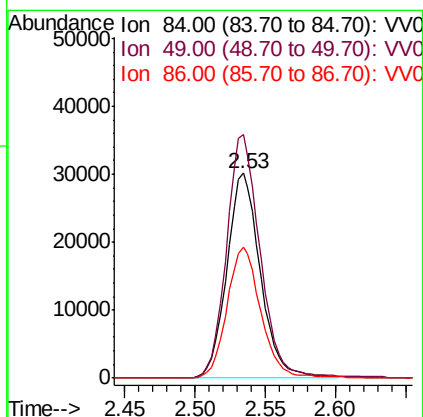
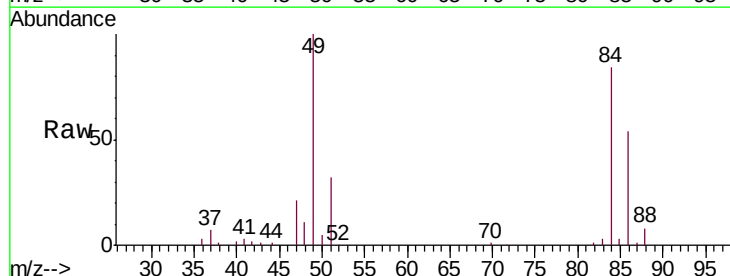
Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

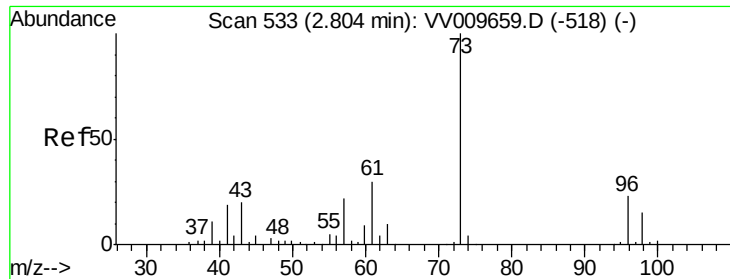
Tgt Ion: 43 Resp: 21984
Ion Ratio Lower Upper
43 100
74 26.7 19.8 29.6



#16
Methylene chloride
Concen: 25.437 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Tgt Ion: 84 Resp: 50136
Ion Ratio Lower Upper
84 100
49 119.0 86.1 159.9
86 64.0 45.2 84.0

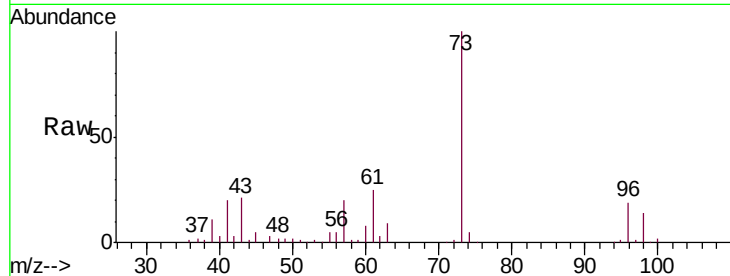




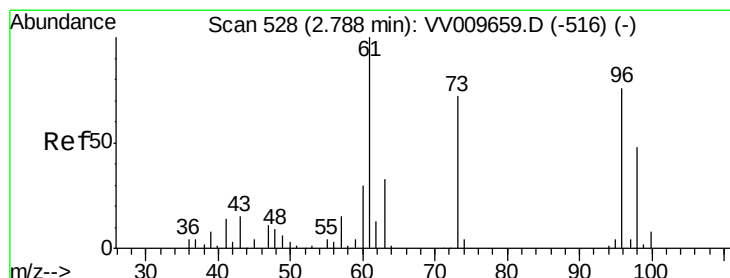
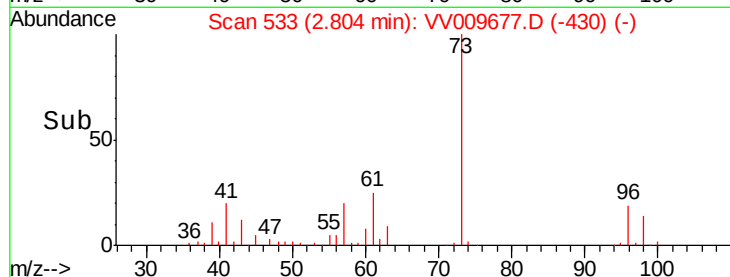
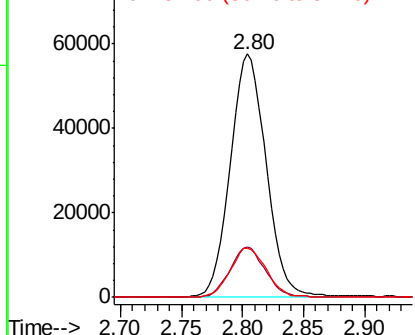
#17
Methyl tert-butyl Ether
Concen: 27.957 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

Tgt Ion: 73 Resp: 117851
Ion Ratio Lower Upper
73 100
43 20.6 16.3 24.5
57 20.2 16.7 25.1

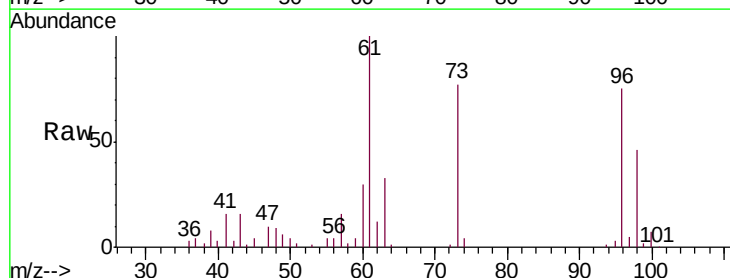


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

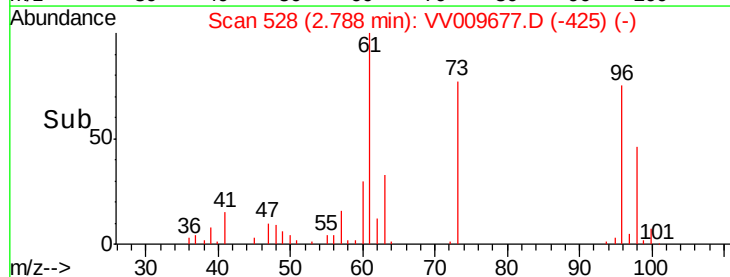
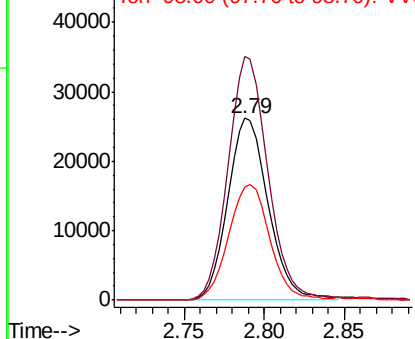


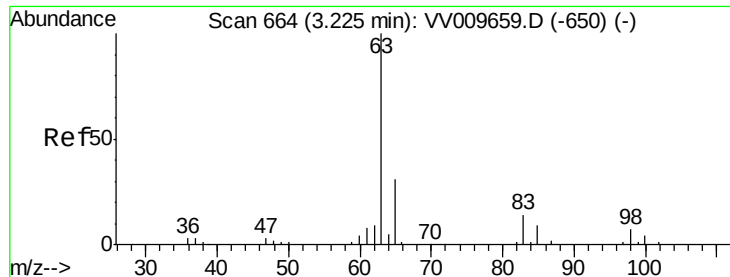
#18
trans-1,2-Dichloroethene
Concen: 25.517 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Tgt Ion: 96 Resp: 45136
Ion Ratio Lower Upper
96 100
61 133.8 94.4 175.2
98 61.9 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

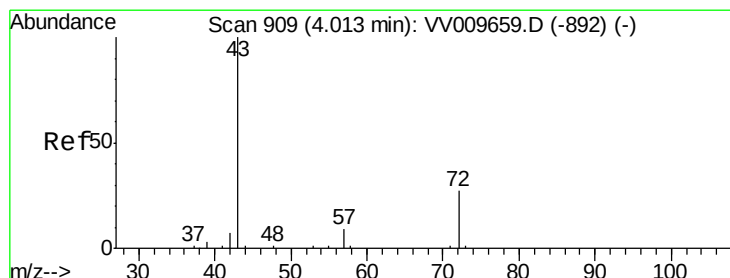
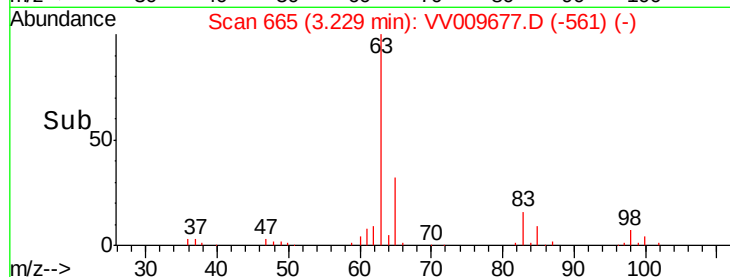
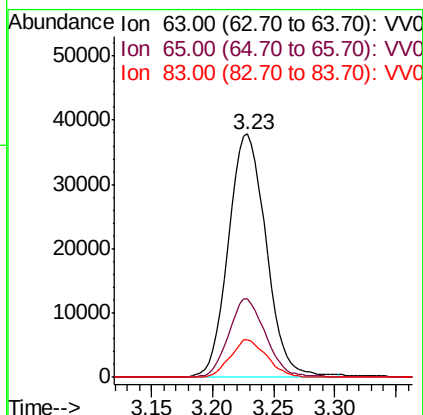
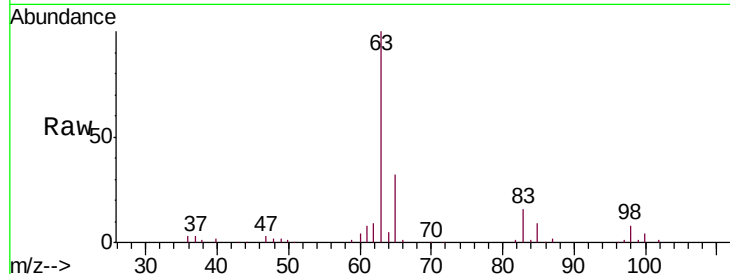




#19
 1,1-Dichloroethane
 Concen: 26.457 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

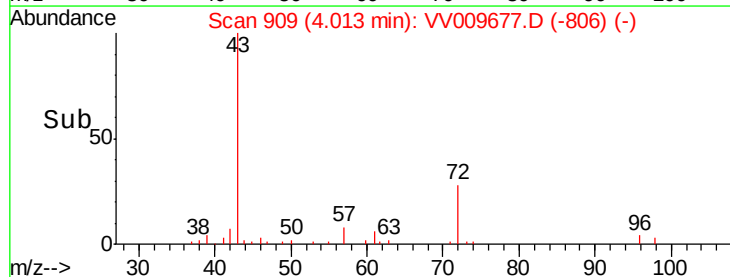
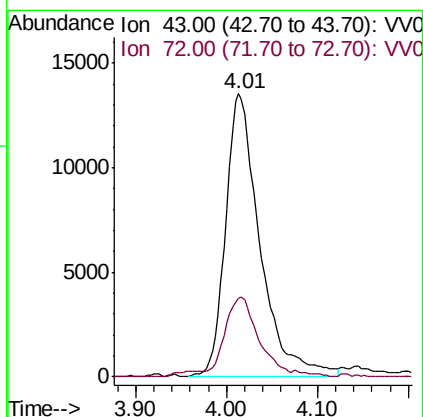
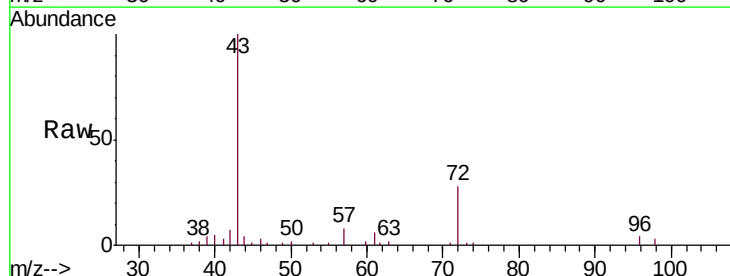
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

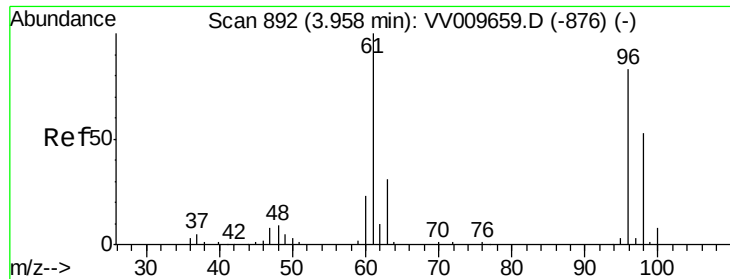
Tgt Ion: 63 Resp: 81683
 Ion Ratio Lower Upper
 63 100
 65 32.1 20.9 38.9
 83 15.6 10.4 19.4



#21
 2-Butanone
 Concen: 52.870 ug/L
 RT: 4.01 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 43 Resp: 35681
 Ion Ratio Lower Upper
 43 100
 72 25.4 14.5 43.5



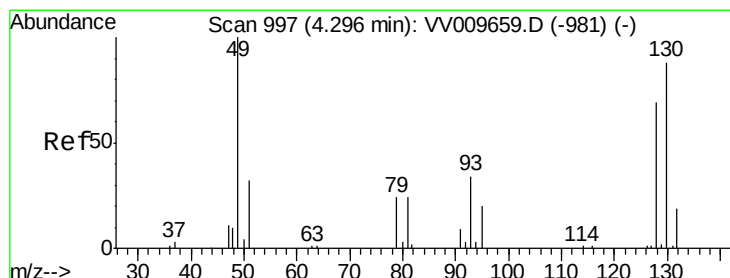
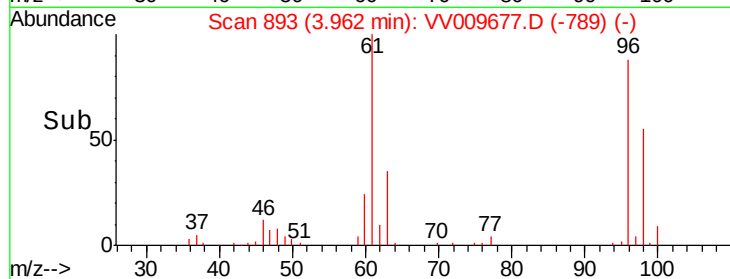
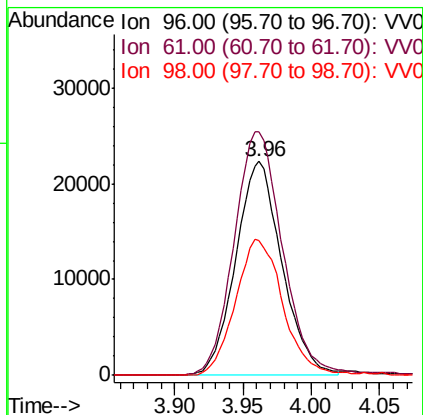
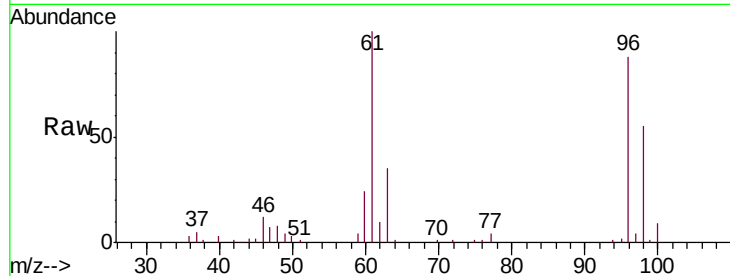


#22

cis-1,2-Dichloroethene
 Concen: 26.495 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

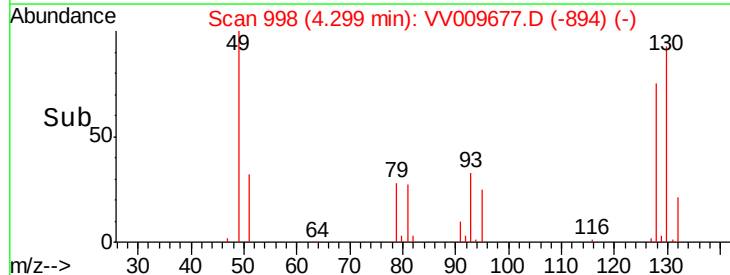
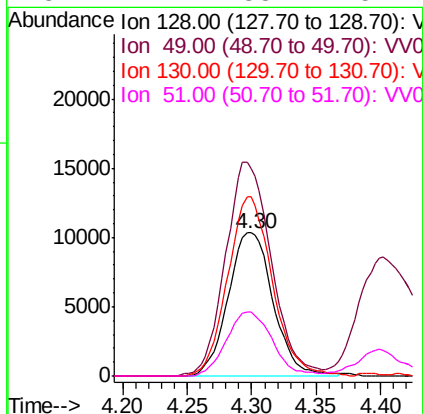
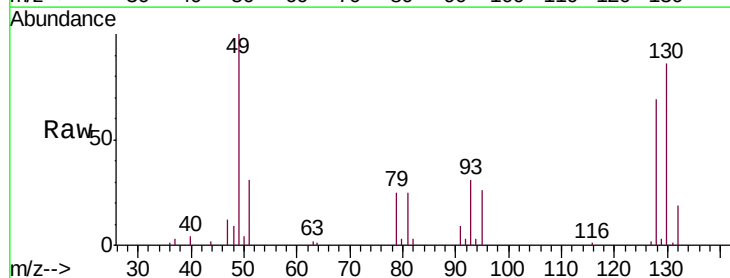
Tgt Ion: 96 Resp: 52518
 Ion Ratio Lower Upper
 96 100
 61 113.7 86.2 160.0
 98 62.7 46.5 86.3

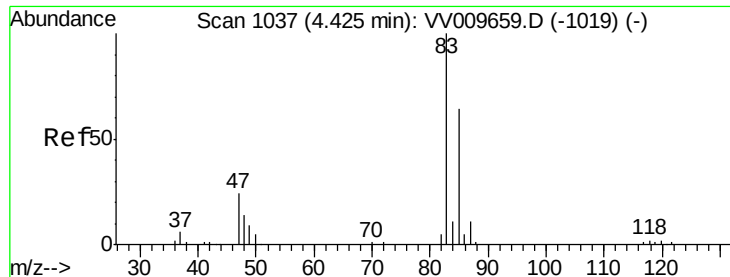


#23

Bromochloromethane
 Concen: 27.374 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 128 Resp: 25085
 Ion Ratio Lower Upper
 128 100
 49 144.9 110.0 204.2
 130 125.0 90.4 168.0
 51 44.4 38.1 57.1

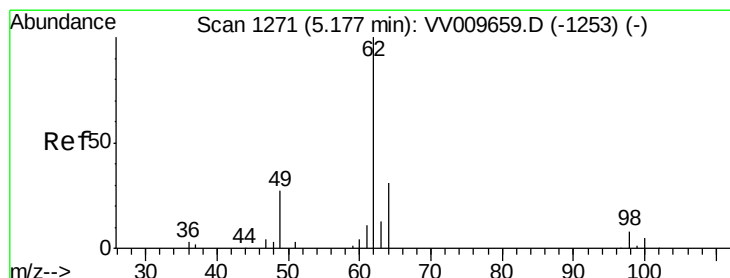
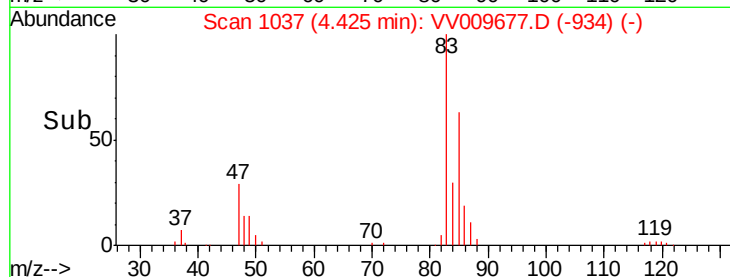
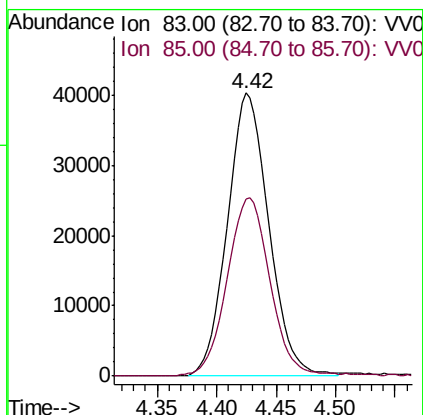
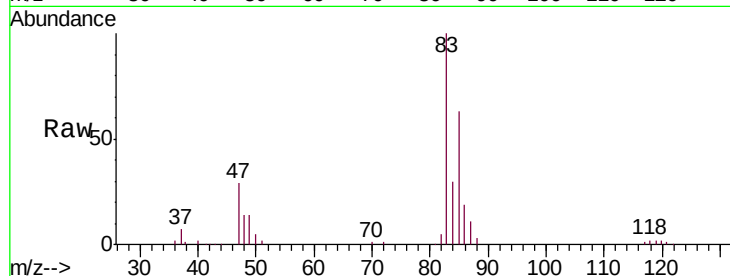




#25
Chloroform
Concen: 27.617 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

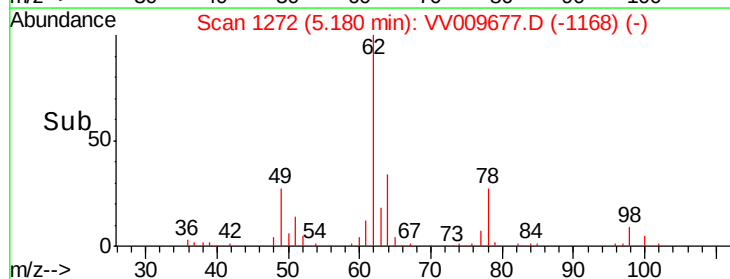
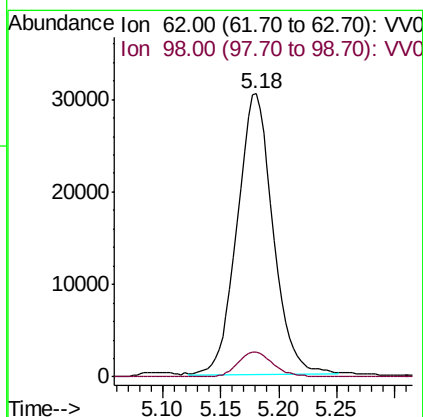
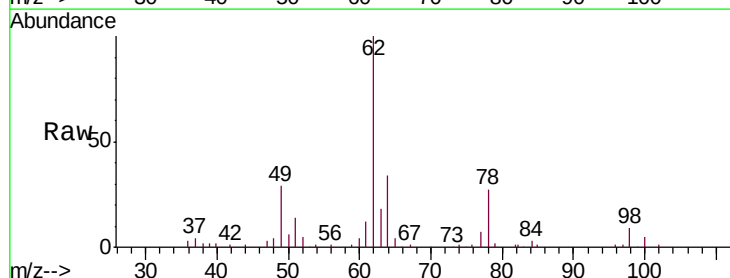
Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

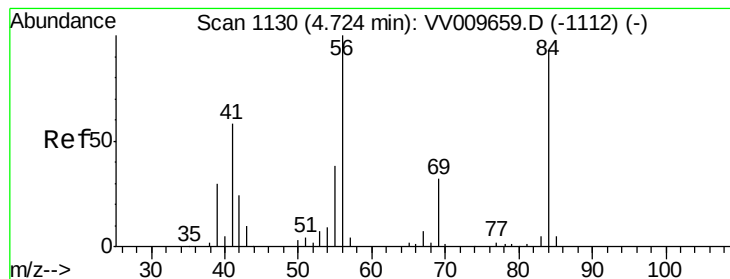
Tgt Ion: 83 Resp: 97152
Ion Ratio Lower Upper
83 100
85 65.4 46.4 86.2



#27
1,2-Dichloroethane
Concen: 27.110 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Tgt Ion: 62 Resp: 65850
Ion Ratio Lower Upper
62 100
98 8.6 7.2 10.8





#30

Cyclohexane

Concen: 21.538 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

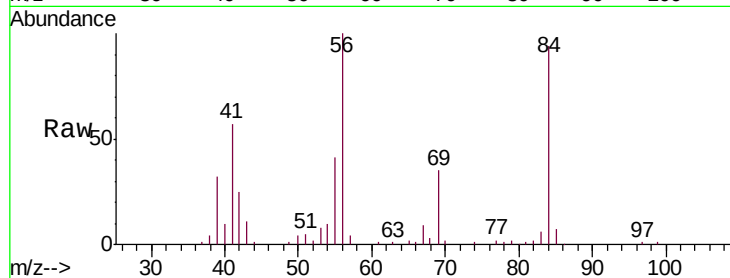
Tgt Ion: 56 Resp: 67978

Ion Ratio Lower Upper

56 100

69 32.6 25.4 38.0

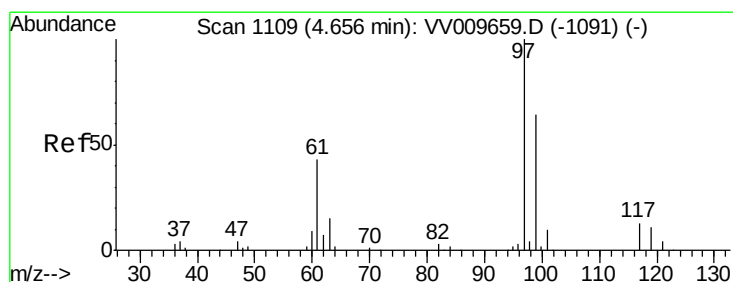
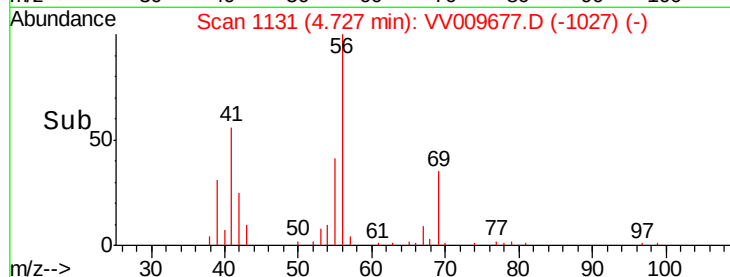
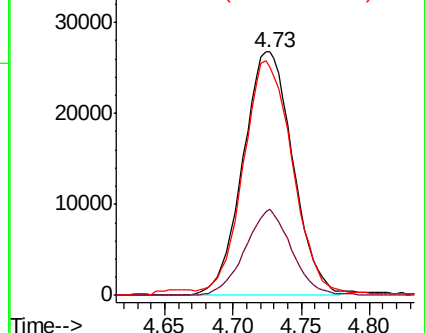
84 93.1 72.6 109.0



Abundance Ion 56.00 (55.70 to 56.70): VV009659.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV009659.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV009659.D (-1112) (-)



#31

1,1,1-Trichloroethane

Concen: 23.086 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

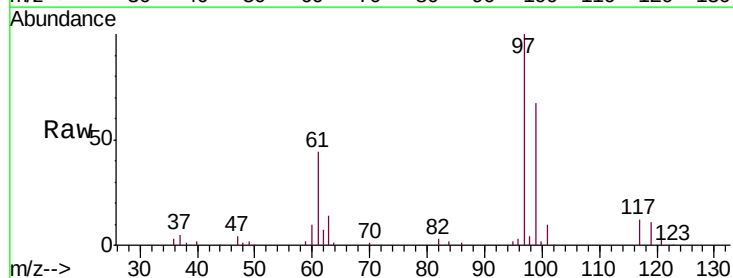
Tgt Ion: 97 Resp: 75526

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.6

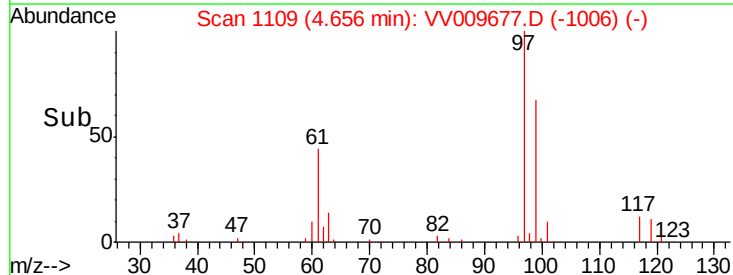
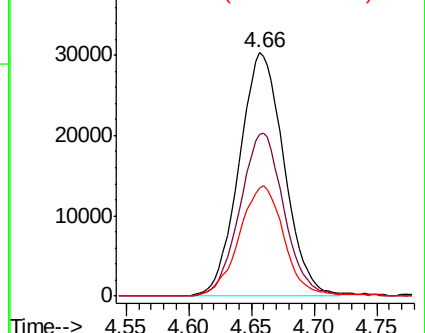
61 45.0 33.7 50.5

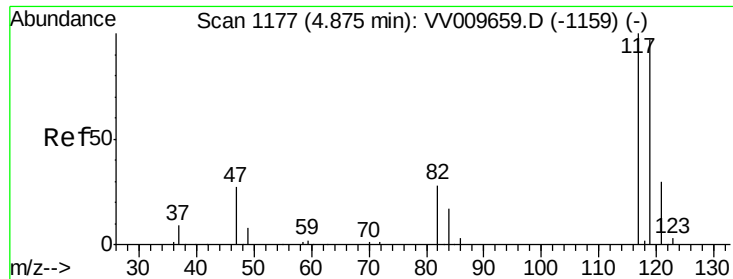


Abundance Ion 97.00 (96.70 to 97.70): VV009659.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009659.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV009659.D (-1091) (-)





#32

Carbon tetrachloride

Concen: 23.409 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

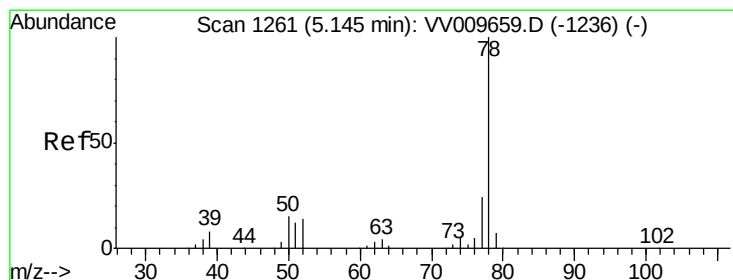
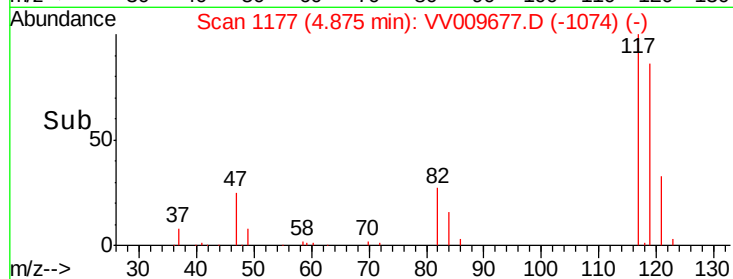
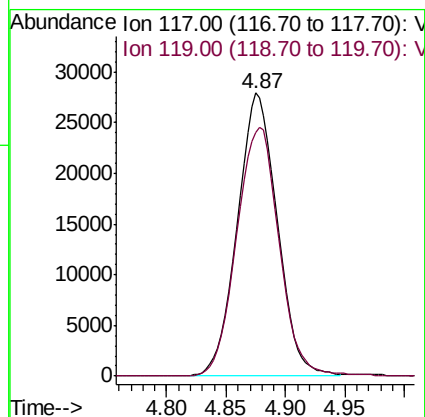
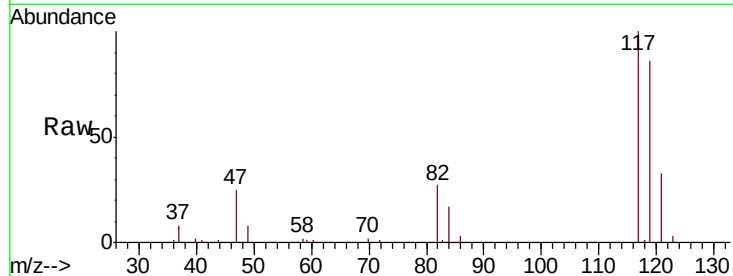
VSTD02561

Tgt Ion:117 Resp: 64891

Ion Ratio Lower Upper

117 100

119 93.8 76.6 114.8



#34

Benzene

Concen: 24.065 ug/L

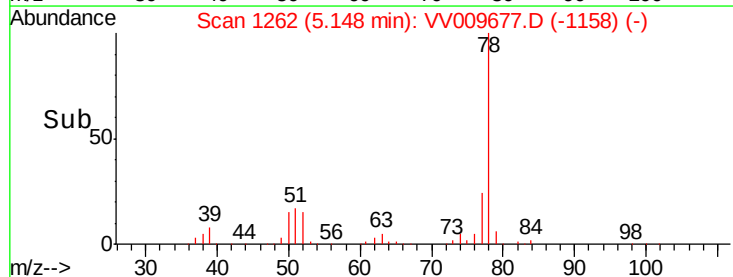
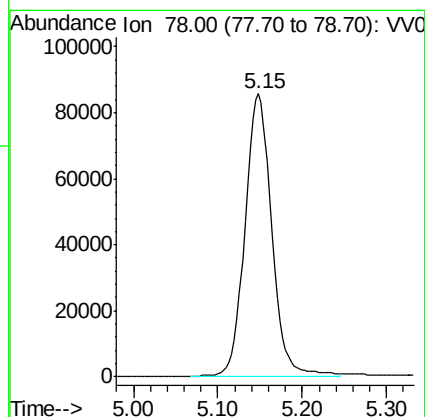
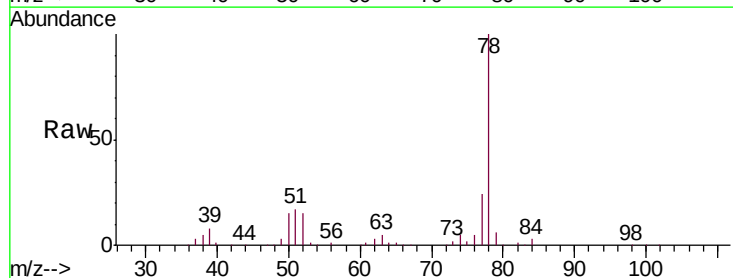
RT: 5.15 min Scan# 1262

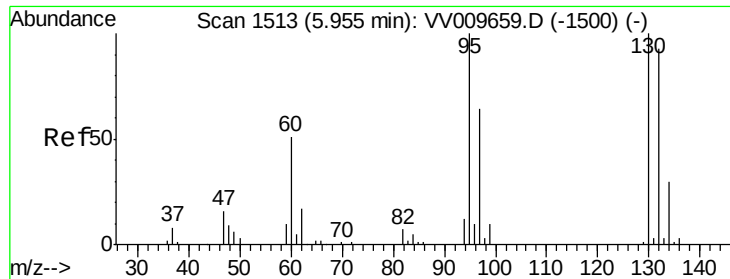
Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Tgt Ion: 78 Resp: 190590

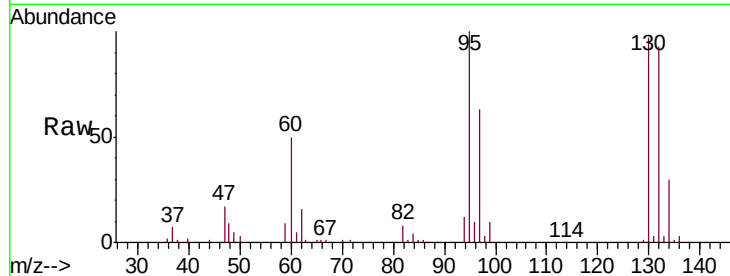




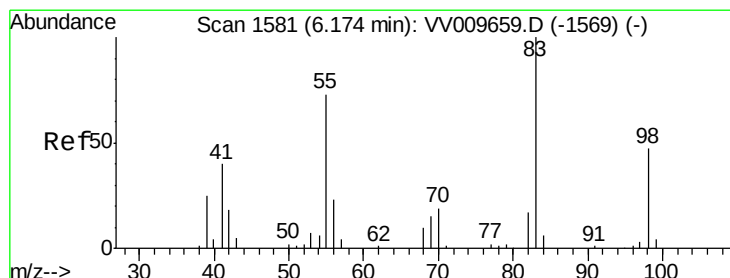
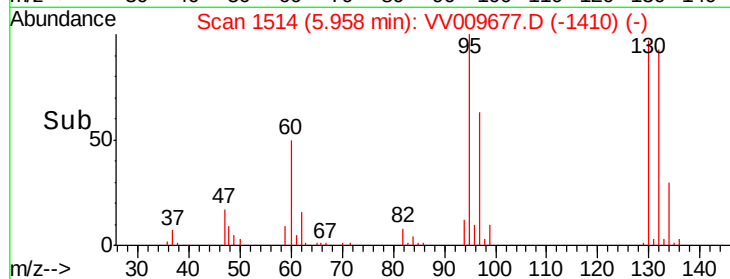
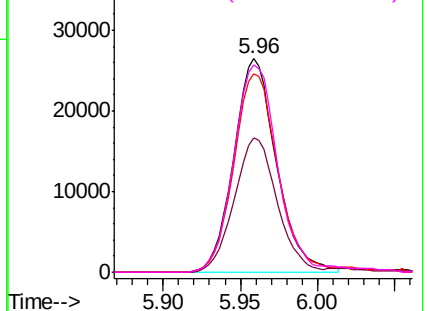
#35
 Trichloroethene
 Concen: 23.017 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

Tgt Ion: 95 Resp: 50619
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.9 83.5
 132 96.1 66.4 123.2
 130 101.9 70.2 130.4

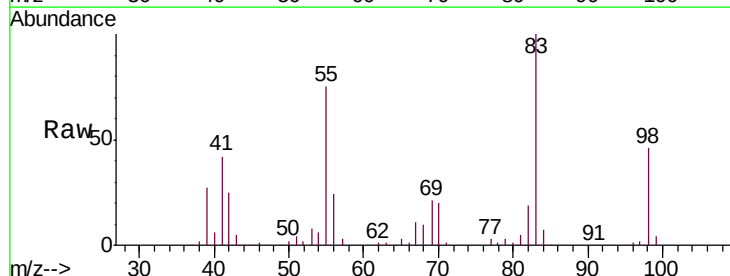


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

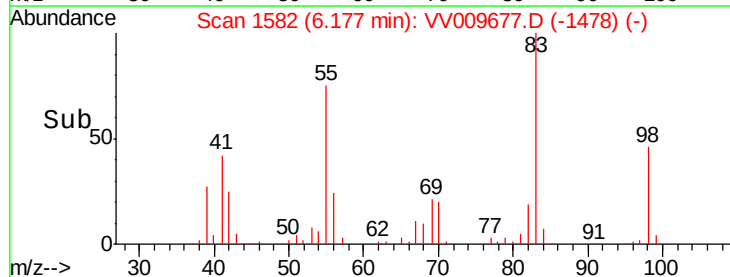
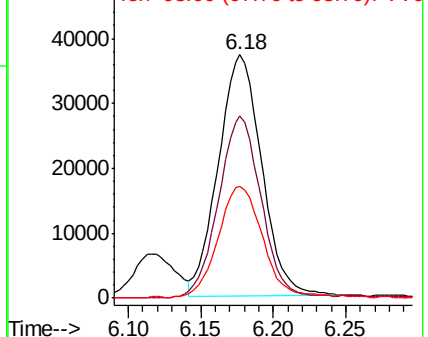


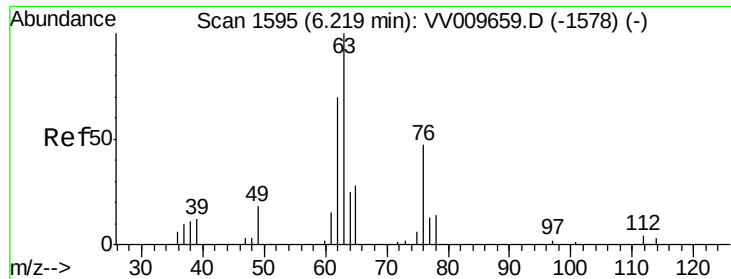
#36
 Methylcyclohexane
 Concen: 21.119 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 83 Resp: 77127
 Ion Ratio Lower Upper
 83 100
 55 73.9 57.4 86.0
 98 48.1 37.1 55.7



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

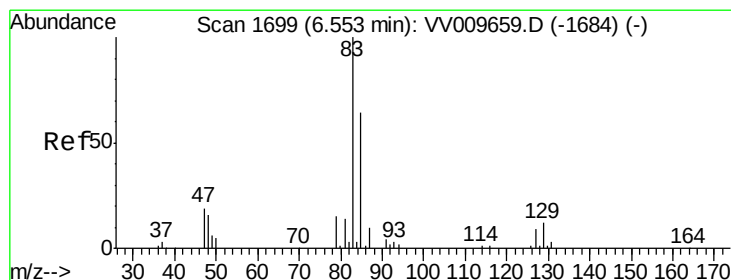
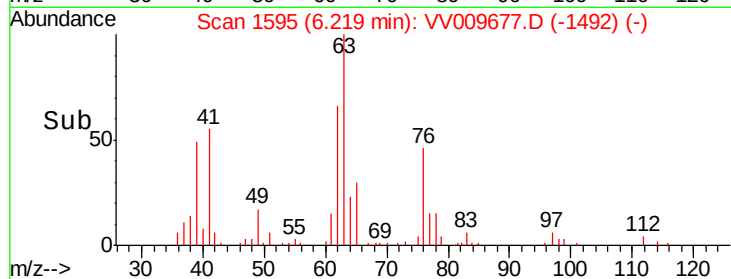
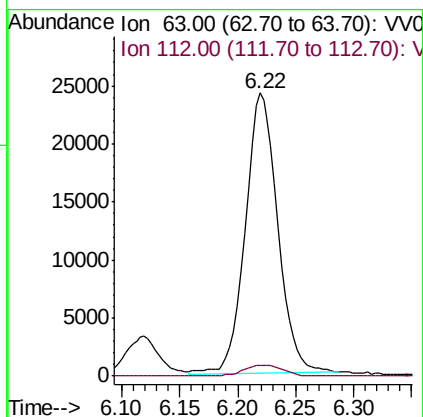
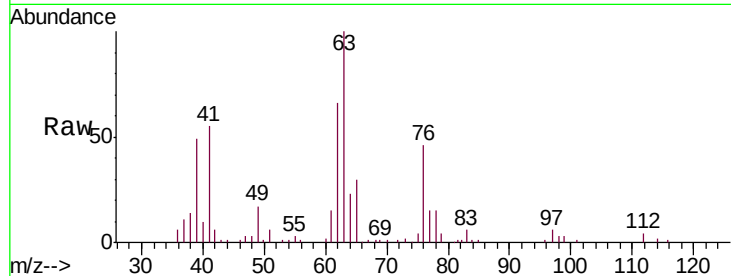




#40
 1,2-Dichloropropane
 Concen: 24.511 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

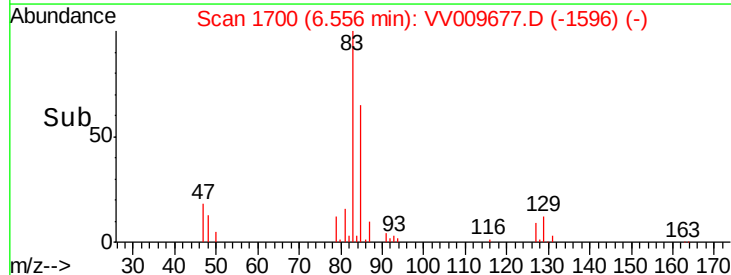
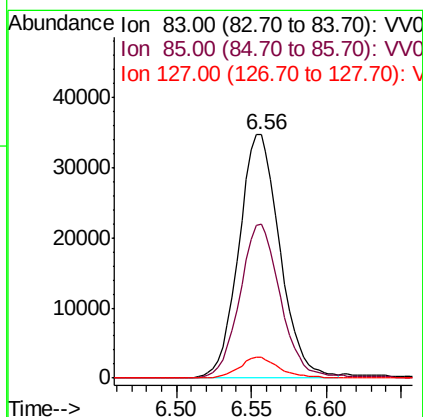
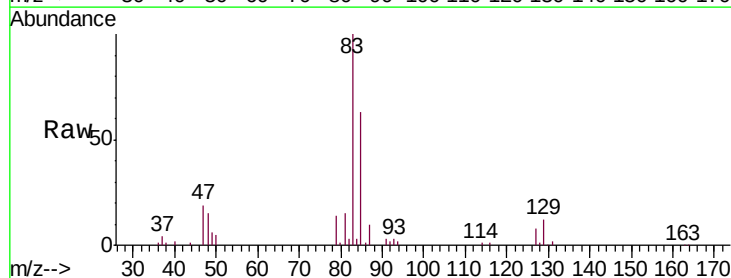
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02561

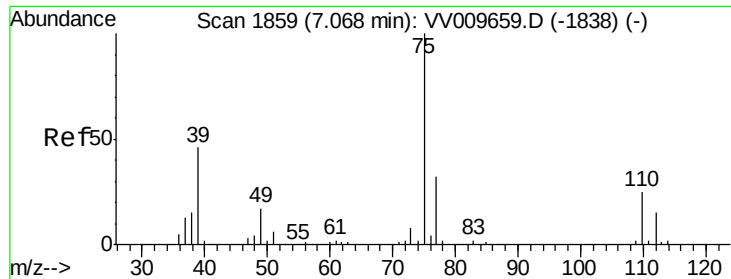
Tgt Ion: 63 Resp: 47164
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.2 4.8#



#41
 Bromodichloromethane
 Concen: 25.097 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 83 Resp: 66443
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.4 82.4
 127 8.3 6.7 10.1

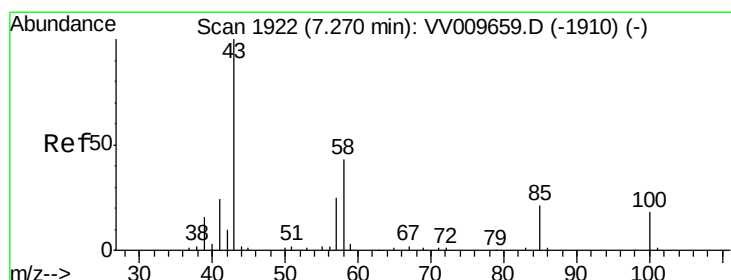
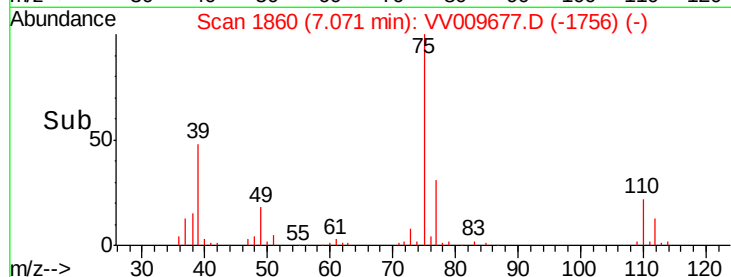
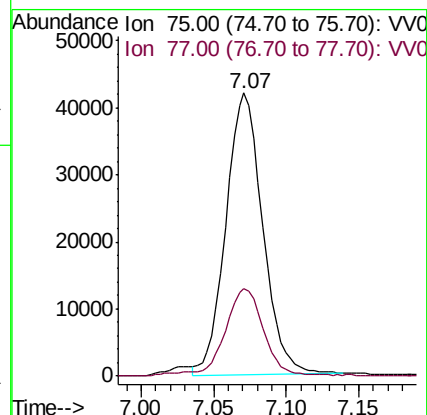
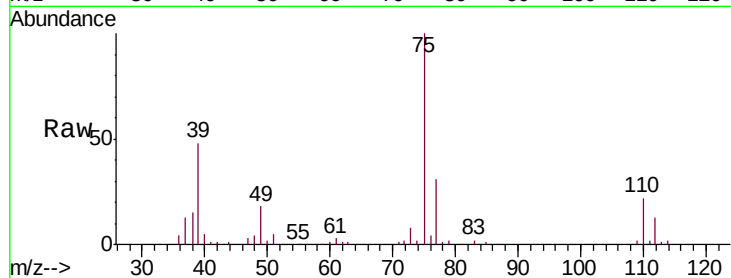




#42
 cis-1,3-Dichloropropene
 Concen: 25.126 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

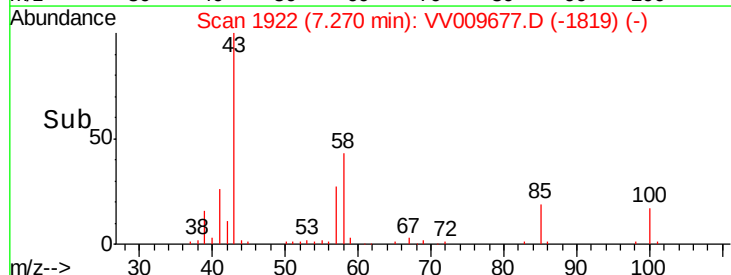
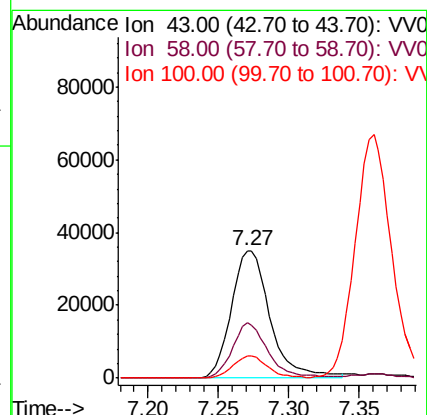
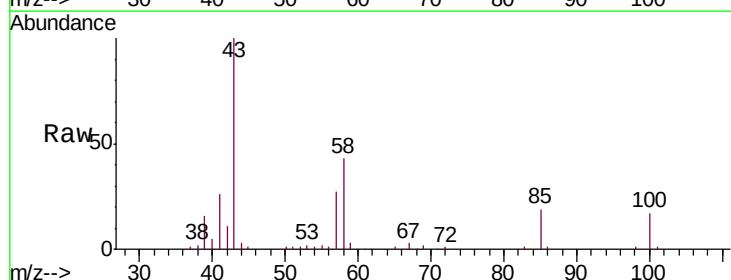
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

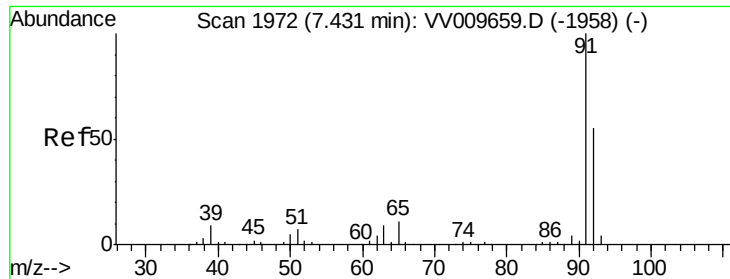
Tgt Ion: 75 Resp: 73404
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.0 40.8



#43
 4-Methyl-2-pentanone
 Concen: 51.159 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 43 Resp: 67315
 Ion Ratio Lower Upper
 43 100
 58 40.1 30.9 46.3
 100 15.9 11.8 17.6





#44

Toluene

Concen: 24.021 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

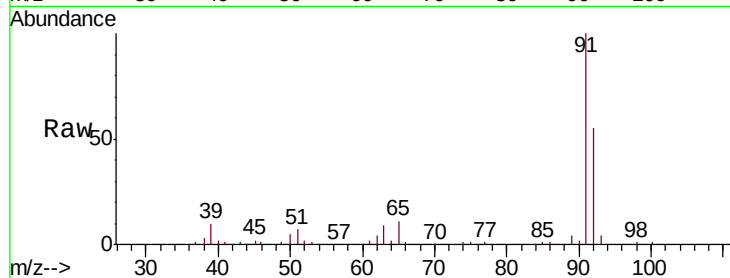
VSTD02561

Tgt Ion: 91 Resp: 211902

Ion Ratio Lower Upper

91 100

92 55.3 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV009659.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009659.D (-1958) (-)

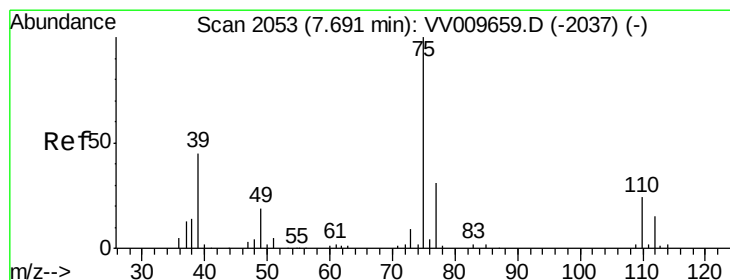
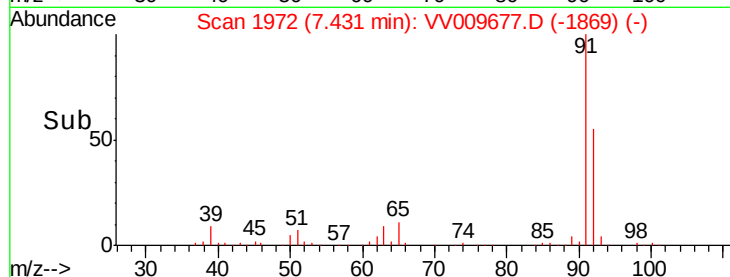
7.43

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.329 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009677.D

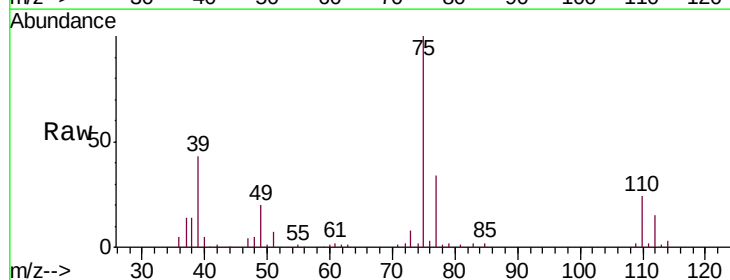
Acq: 14 Mar 2019 20:17

Tgt Ion: 75 Resp: 63903

Ion Ratio Lower Upper

75 100

77 33.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV009659.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009659.D (-2037) (-)

7.69

40000

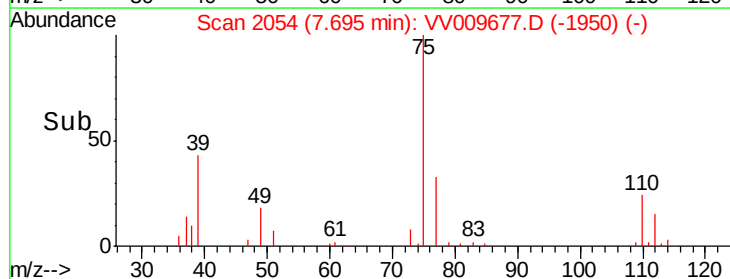
30000

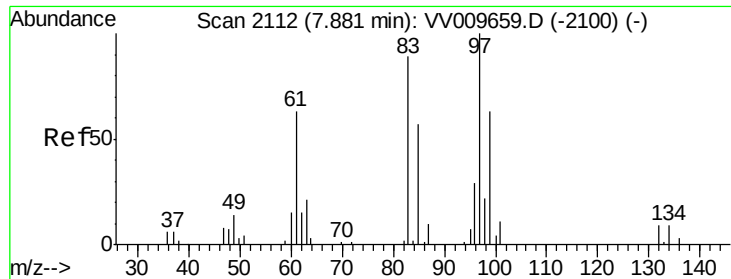
20000

10000

0

Time-->

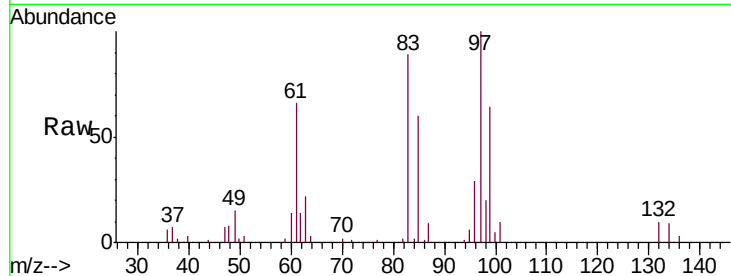




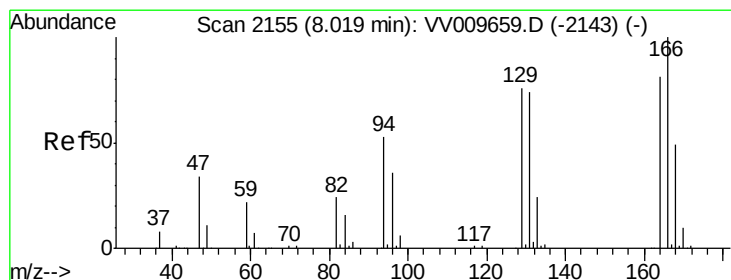
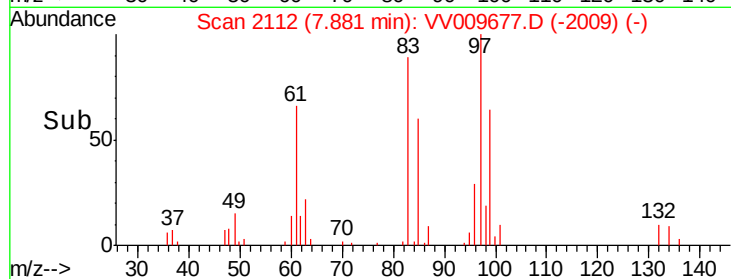
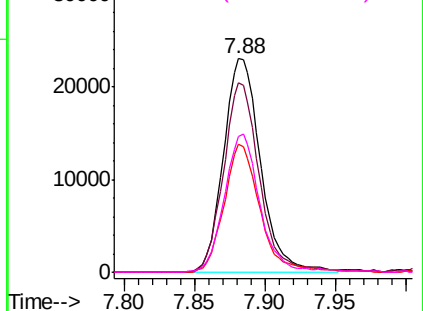
#46
 1,1,2-Trichloroethane
 Concen: 26.281 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

Tgt Ion: 97 Resp: 42253
 Ion Ratio Lower Upper
 97 100
 83 89.0 62.9 116.7
 85 60.2 40.0 74.2
 99 63.5 44.9 83.3

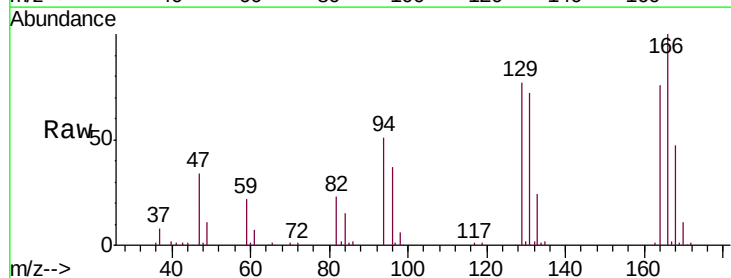


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

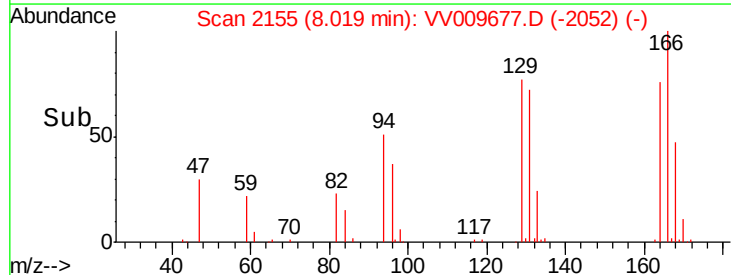
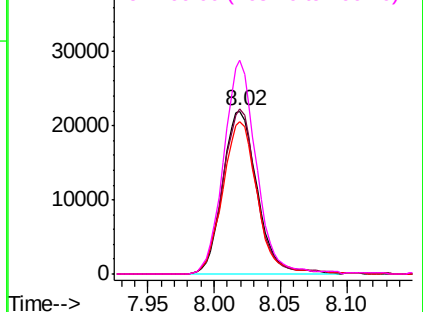


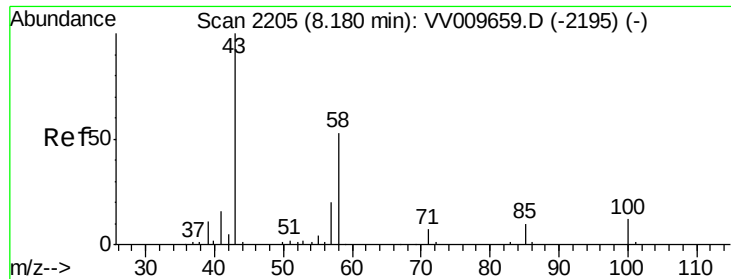
#47
 Tetrachloroethene
 Concen: 22.937 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion: 164 Resp: 39847
 Ion Ratio Lower Upper
 164 100
 129 101.3 69.0 128.1
 131 93.9 65.7 122.1
 166 131.1 89.4 166.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

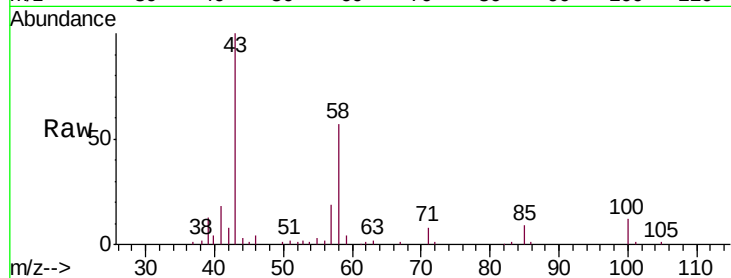




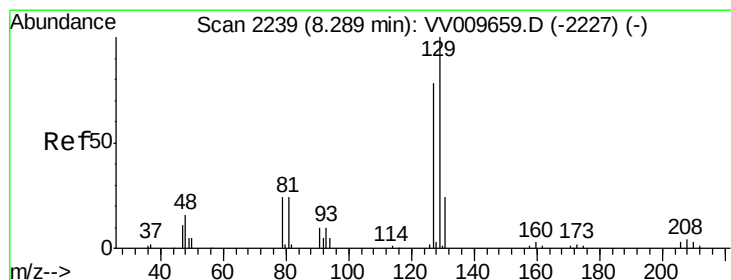
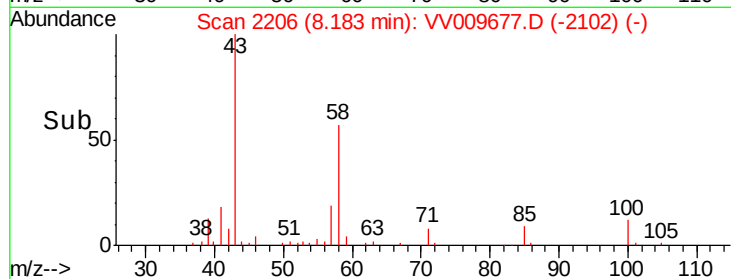
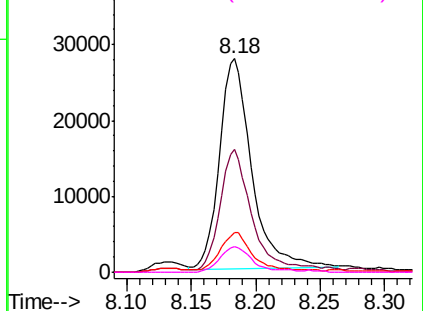
#49
2-Hexanone
Concen: 48.806 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

Tgt Ion: 43 Resp: 48229
Ion Ratio Lower Upper
43 100
58 56.5 44.9 67.3
57 18.1 14.5 21.7
100 11.7 9.3 13.9

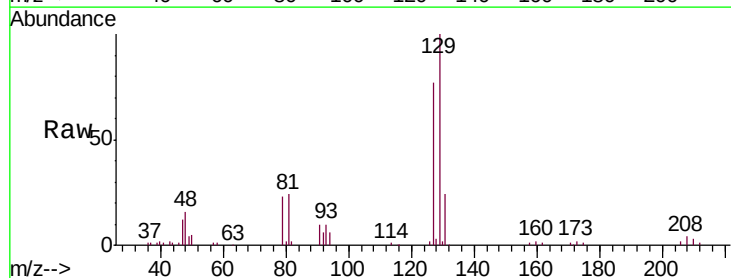


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

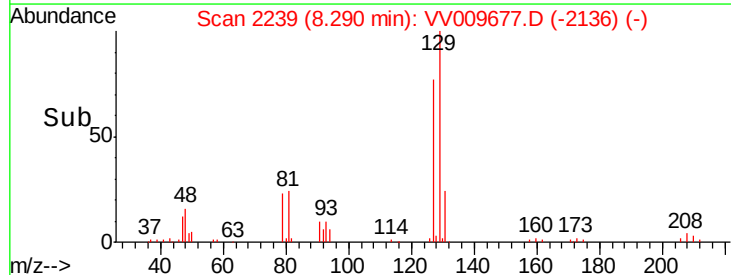
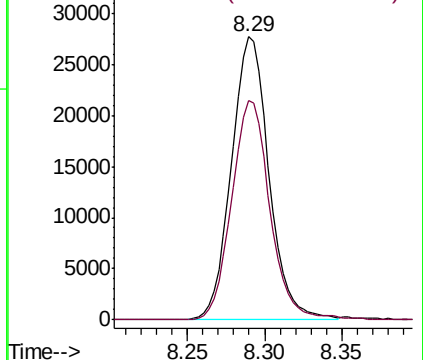


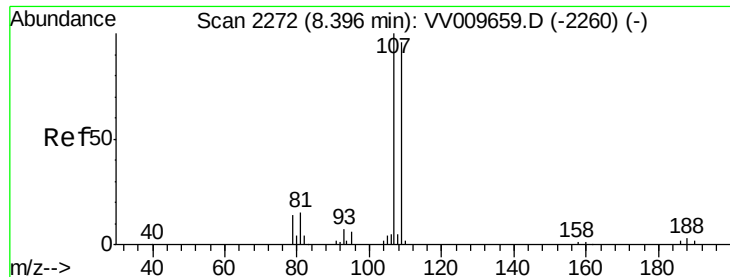
#50
Dibromochloromethane
Concen: 25.622 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Tgt Ion: 129 Resp: 46717
Ion Ratio Lower Upper
129 100
127 77.4 55.4 102.8



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 26.154 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

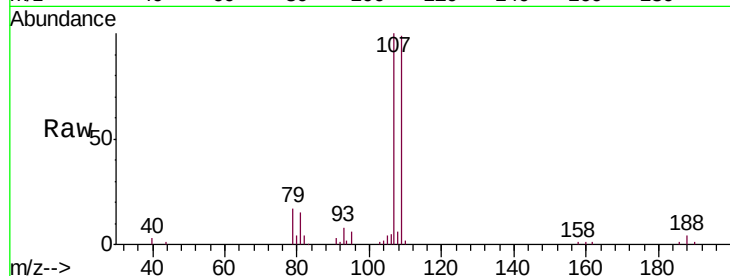
Tgt Ion:107 Resp: 41648

Ion Ratio Lower Upper

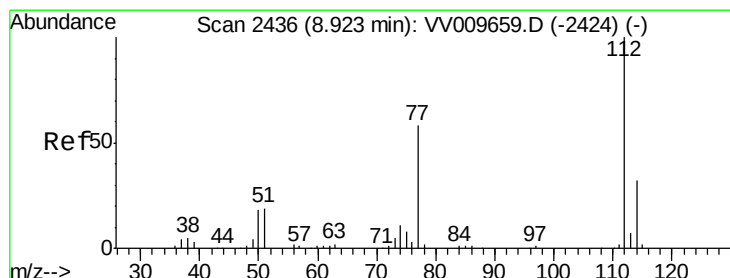
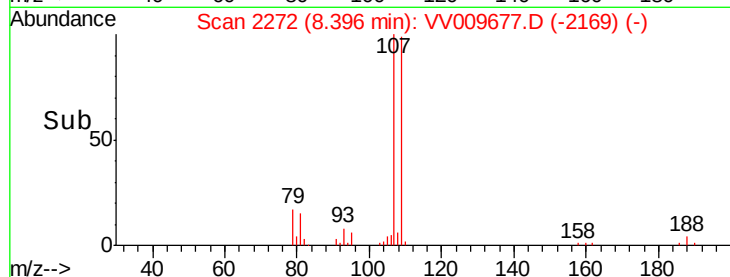
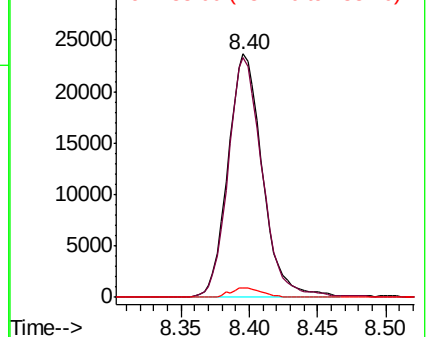
107 100

109 98.5 68.4 127.0

188 4.0 2.6 3.8#



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



#52

Chlorobenzene

Concen: 23.985 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

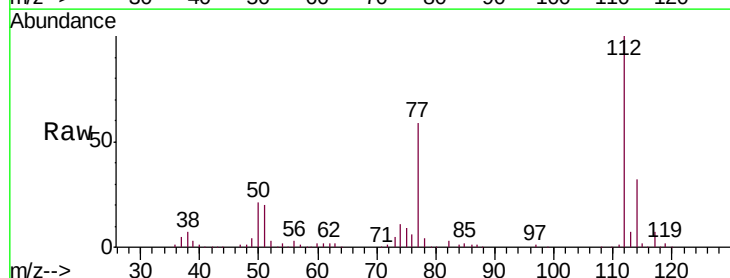
Tgt Ion:112 Resp: 137672

Ion Ratio Lower Upper

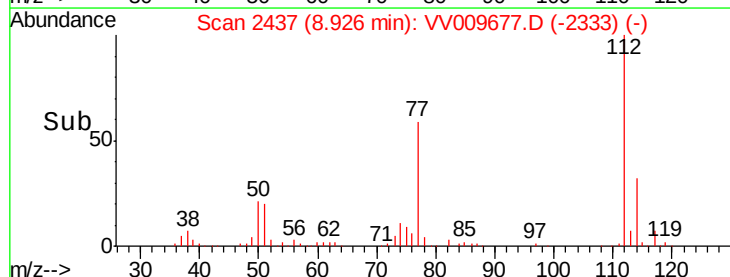
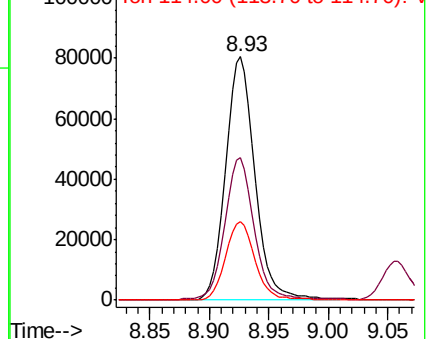
112 100

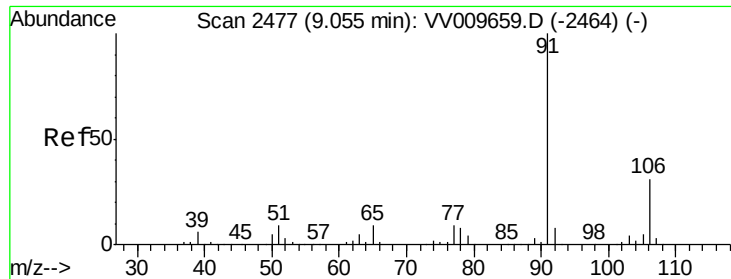
77 58.5 45.6 68.4

114 32.2 22.3 41.5



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





#53

Ethylbenzene

Concen: 23.968 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

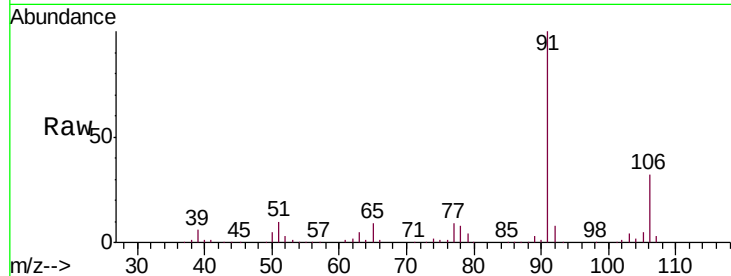
VSTD02561

Tgt Ion: 91 Resp: 233848

Ion Ratio Lower Upper

91 100

106 31.8 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV009677.D (-2374) (-)

Ion 106.00 (105.70 to 106.70): VV009677.D (-2374) (-)

9.06

150000

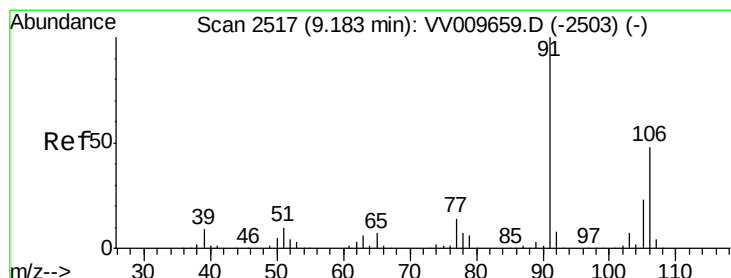
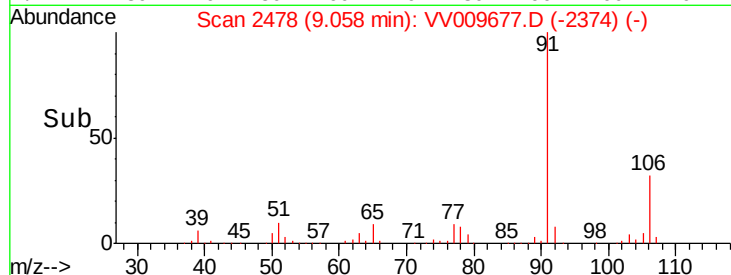
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 24.554 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009677.D

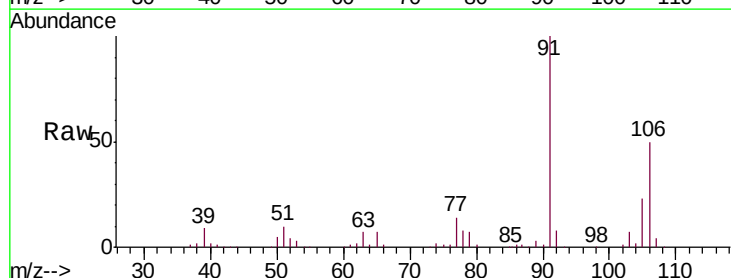
Acq: 14 Mar 2019 20:17

Tgt Ion: 106 Resp: 90432

Ion Ratio Lower Upper

106 100

91 200.7 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV009677.D (-2414) (-)

Ion 91.00 (90.70 to 91.70): VV009677.D (-2414) (-)

9.18

120000

100000

80000

60000

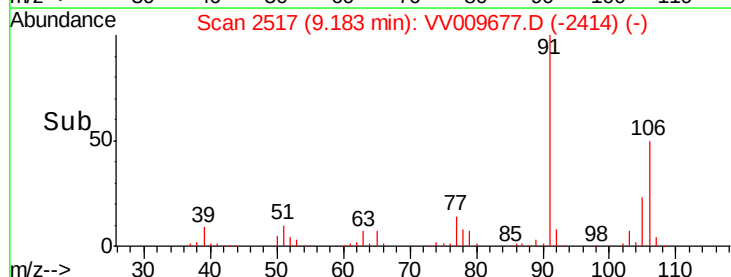
40000

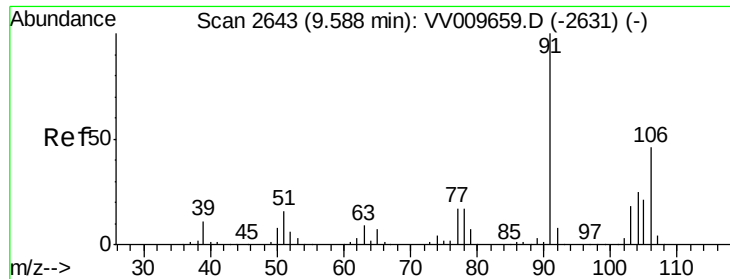
20000

0

9.10 9.20 9.30

Time-->

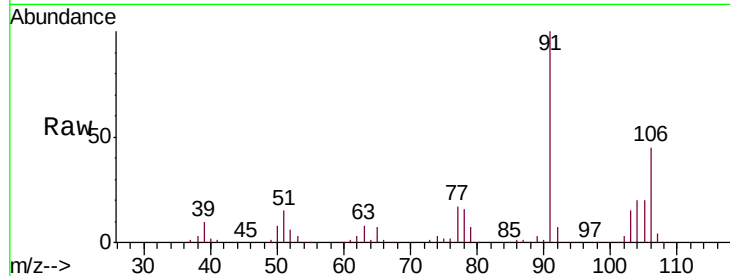




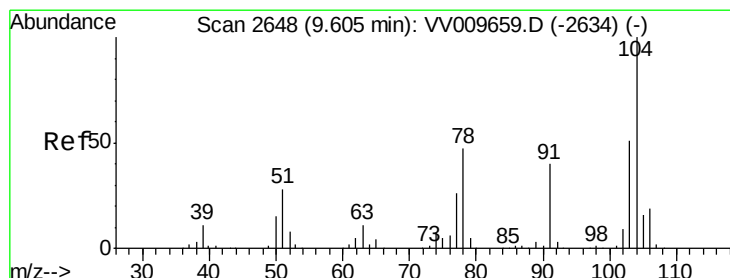
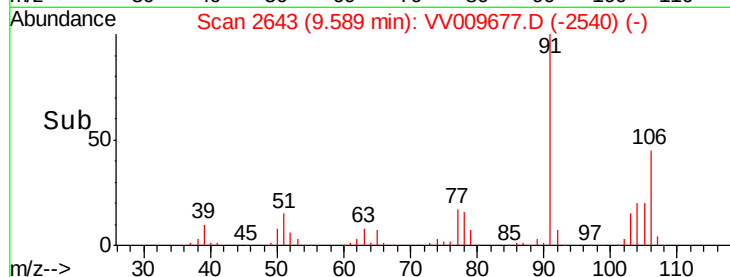
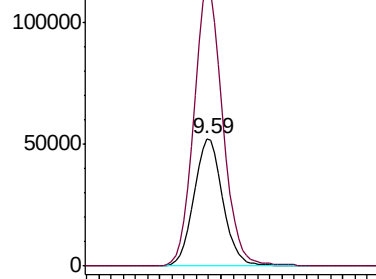
#55
o-xylene
Concen: 24.223 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

Tgt Ion:106 Resp: 87554
Ion Ratio Lower Upper
106 100
91 222.3 149.7 278.1

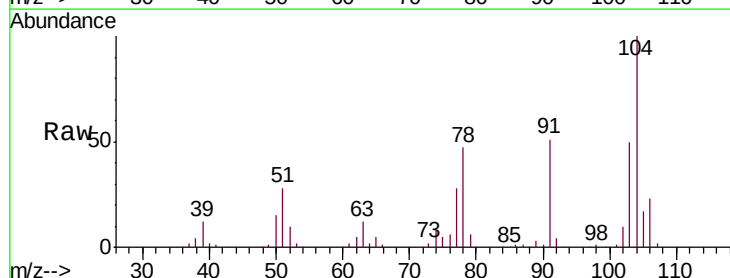


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

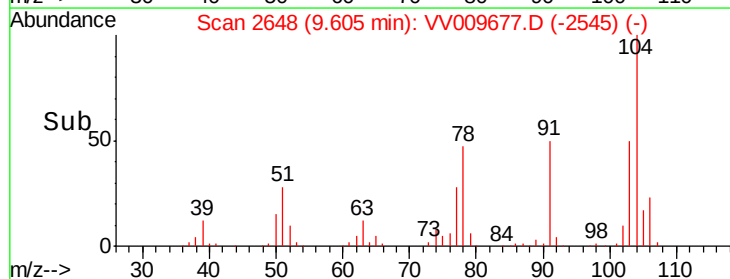
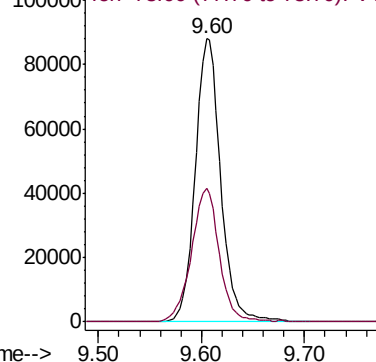


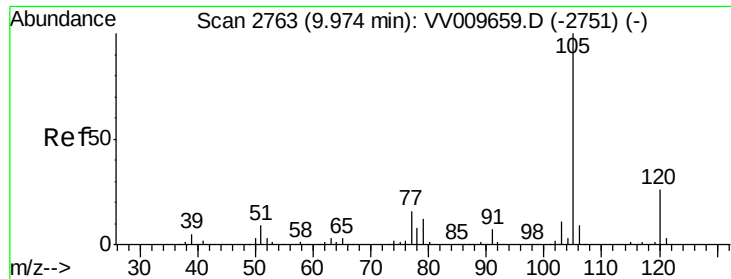
#56
Styrene
Concen: 25.647 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009677.D
Acq: 14 Mar 2019 20:17

Tgt Ion:104 Resp: 151195
Ion Ratio Lower Upper
104 100
78 47.3 32.3 59.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.717 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

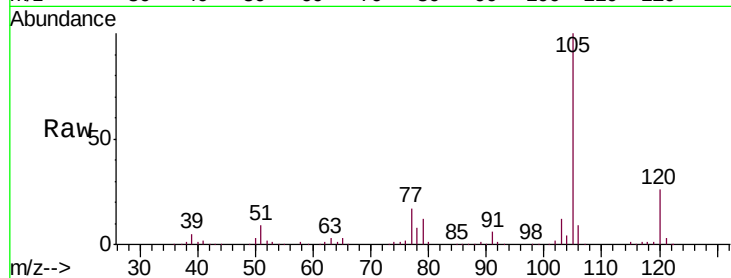
Tgt Ion:105 Resp: 227353

Ion Ratio Lower Upper

105 100

120 26.8 21.5 32.3

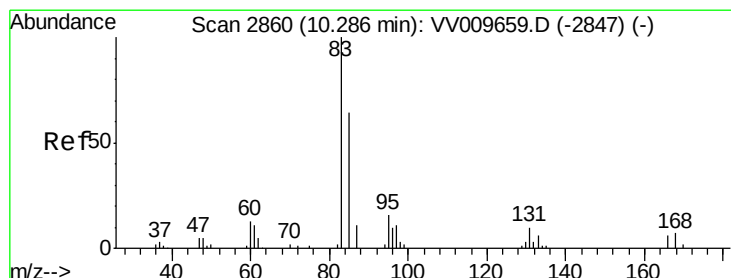
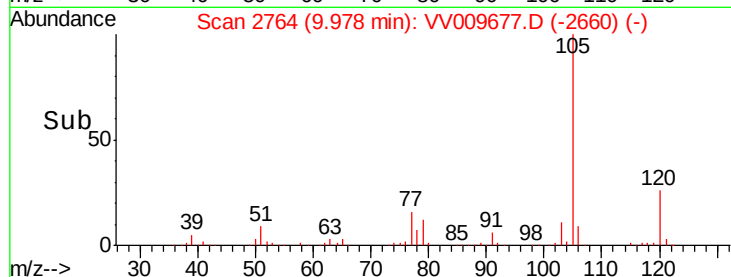
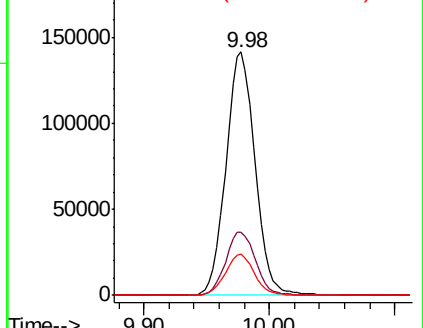
77 16.8 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 27.141 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

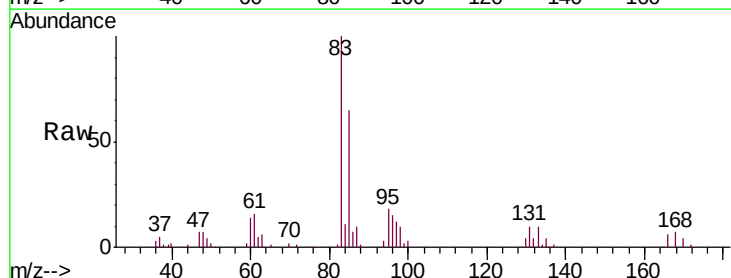
Tgt Ion: 83 Resp: 56578

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.7

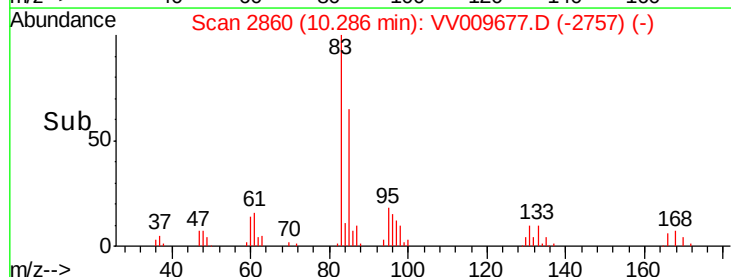
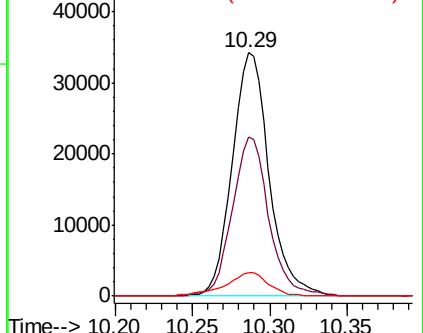
131 9.7 8.0 12.0

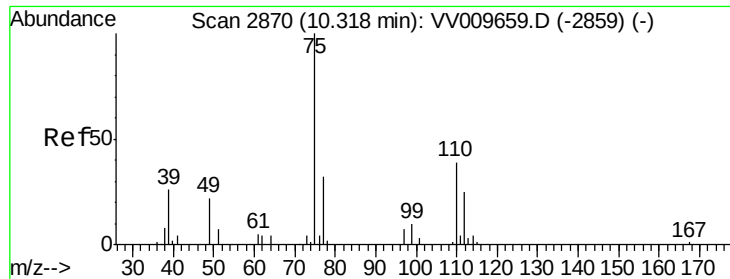


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 26.507 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

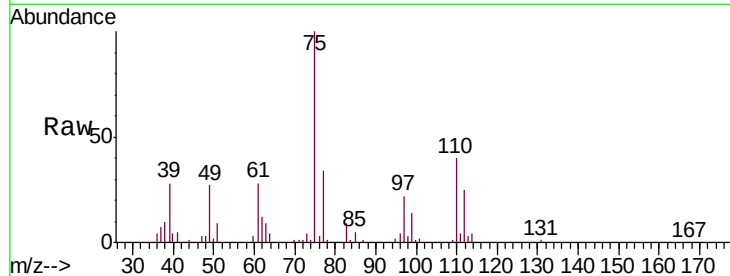
VSTD02561

Tgt Ion: 75 Resp: 39668

Ion Ratio Lower Upper

75 100

77 32.7 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VV009659.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009659.D (-2859) (-)

10.32

25000

20000

15000

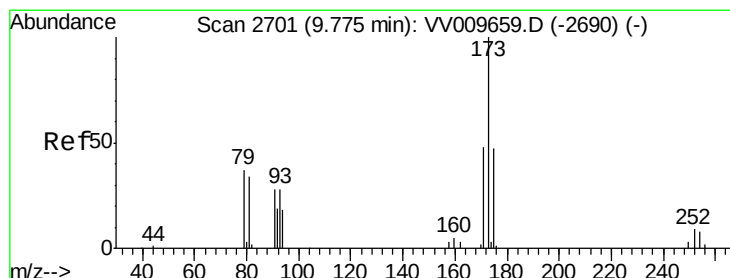
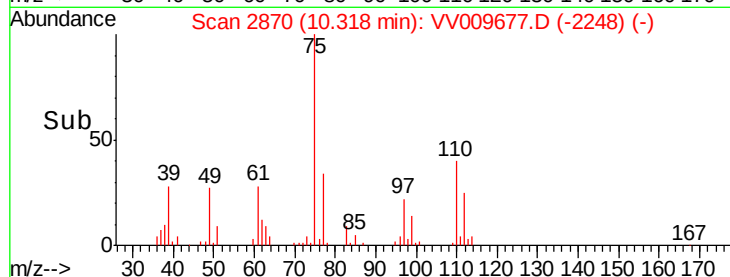
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#62

Bromoform

Concen: 26.153 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

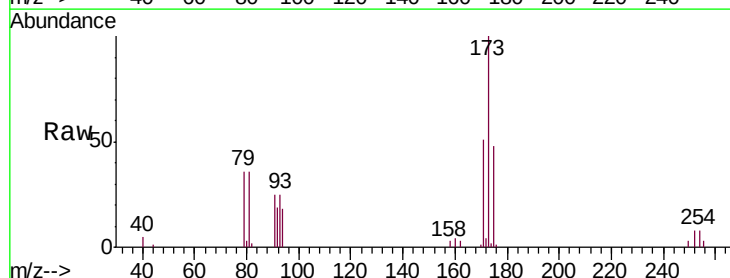
Tgt Ion: 173 Resp: 26220

Ion Ratio Lower Upper

173 100

175 47.3 37.8 56.6

254 7.6 6.1 9.1



Abundance Ion 173.00 (172.70 to 173.70): VV009659.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009659.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009659.D (-2690) (-)

9.78

20000

15000

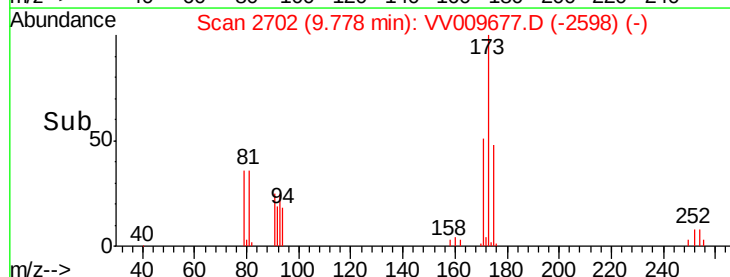
10000

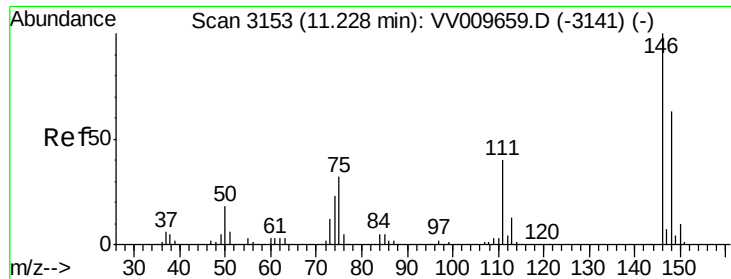
5000

0

Time-->

9.70 9.75 9.80 9.85





#63

1,3-Dichlorobenzene

Concen: 23.965 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

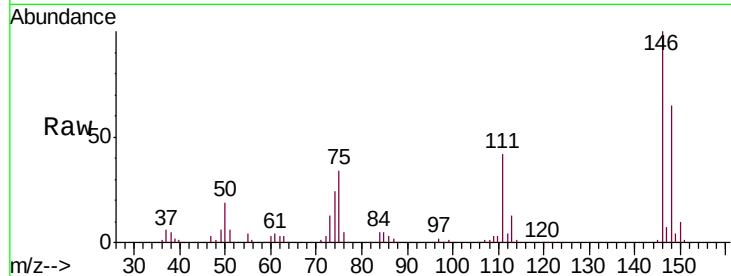
Tgt Ion:146 Resp: 102596

Ion Ratio Lower Upper

146 100

111 41.9 28.8 53.6

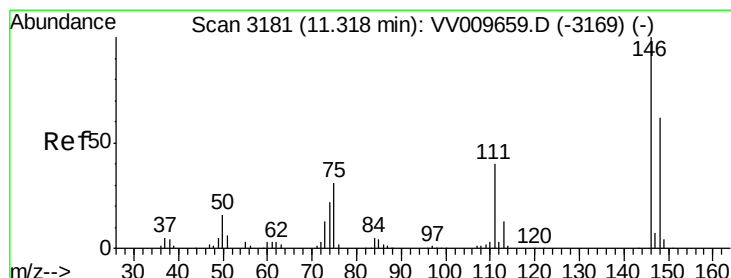
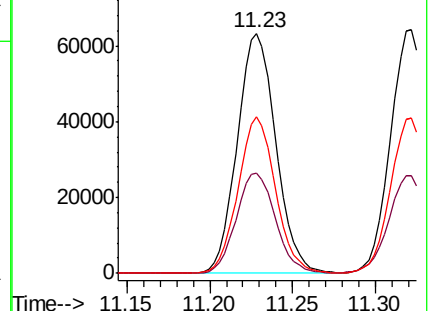
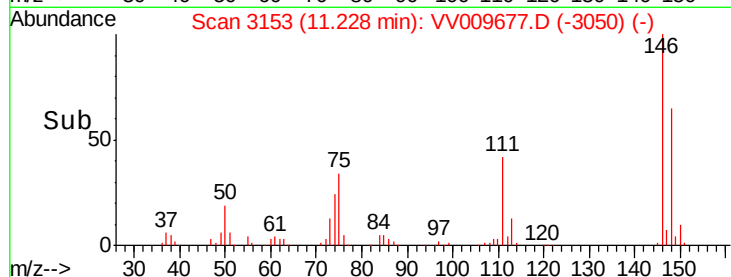
148 65.3 45.1 83.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.854 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

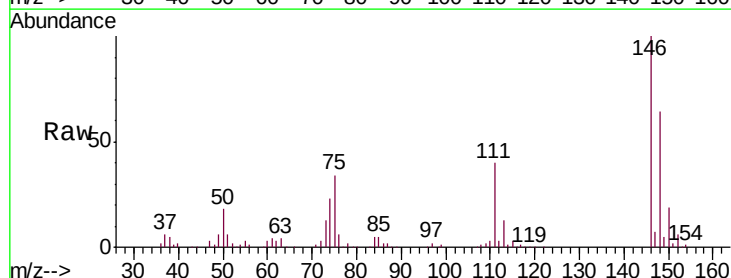
Tgt Ion:146 Resp: 103948

Ion Ratio Lower Upper

146 100

111 39.9 28.2 52.4

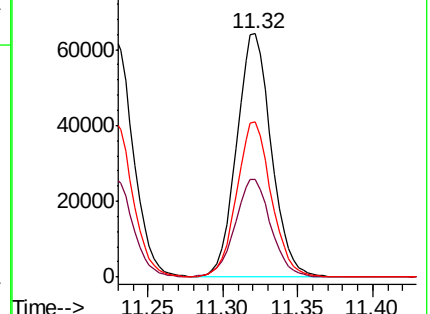
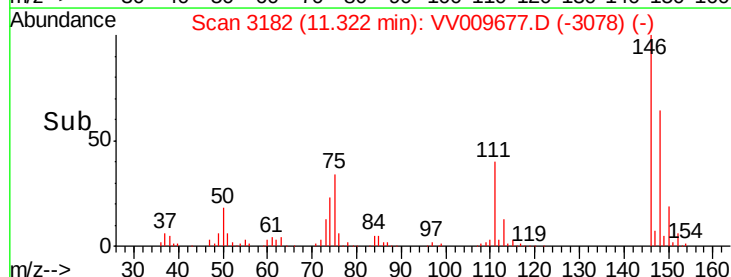
148 63.9 44.2 82.0

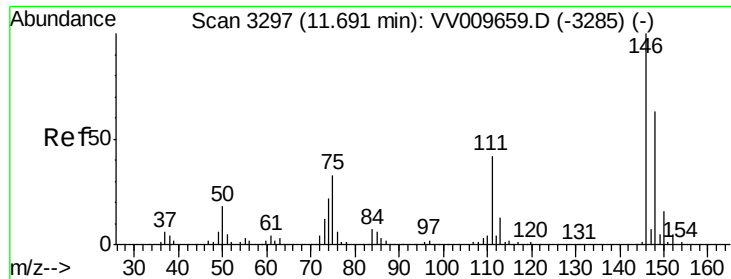


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.167 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

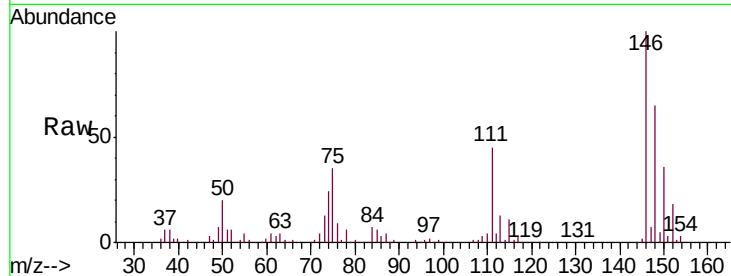
Tgt Ion:146 Resp: 100248

Ion Ratio Lower Upper

146 100

111 44.7 33.8 50.6

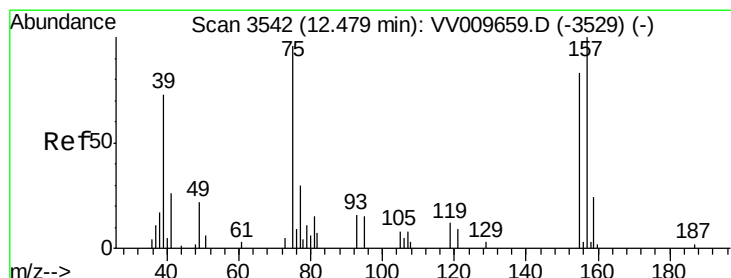
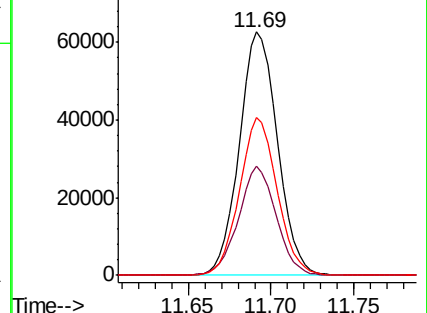
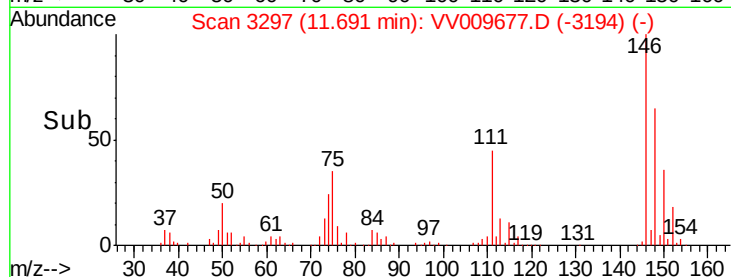
148 64.6 49.1 73.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.386 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

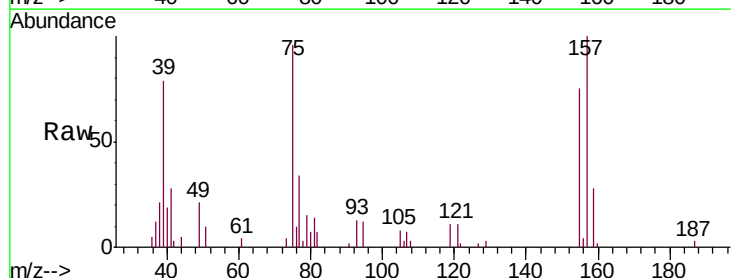
Tgt Ion: 75 Resp: 8076

Ion Ratio Lower Upper

75 100

157 104.6 78.6 118.0

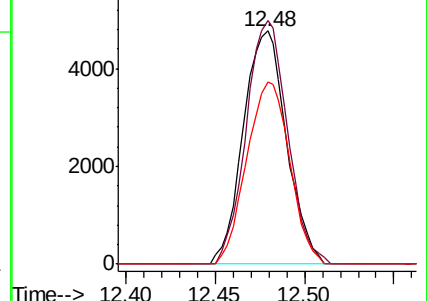
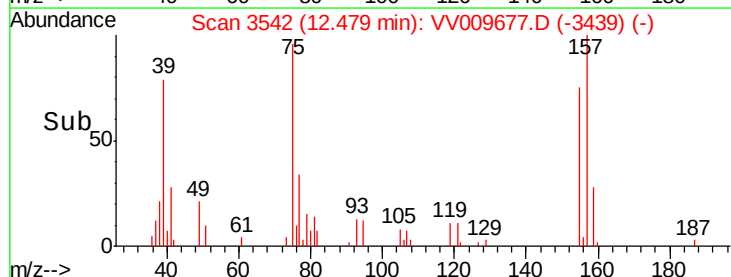
155 78.1 60.0 90.0

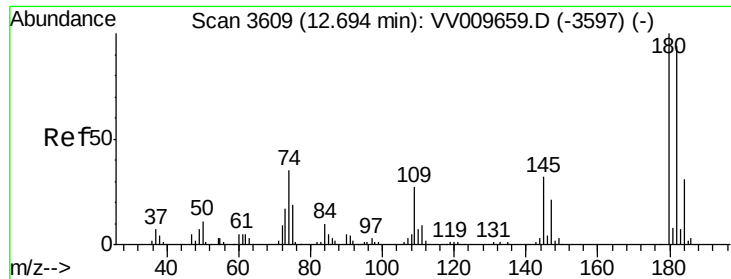


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

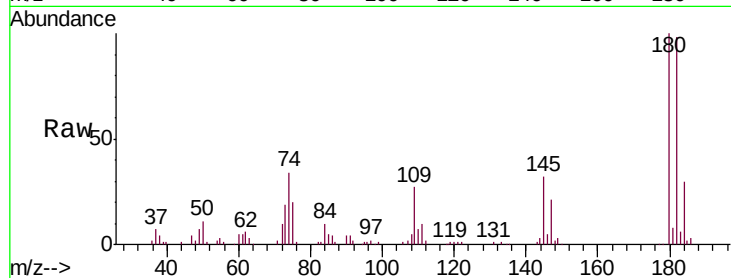




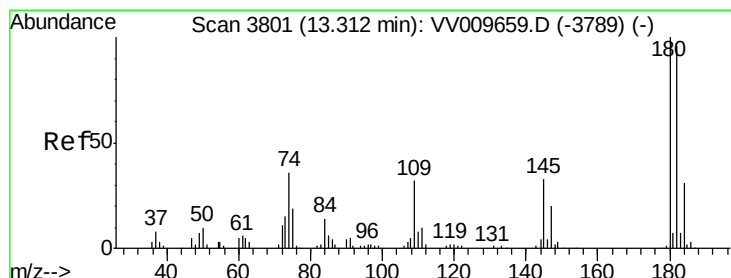
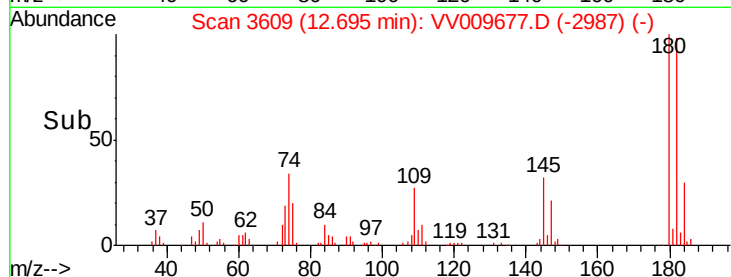
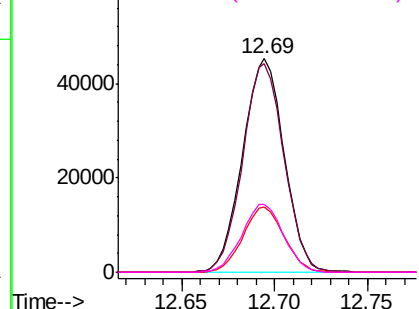
#67
 1,3,5-Trichlorobenzene
 Concen: 23.664 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02561

Tgt Ion:180 Resp: 70551
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.3 114.5
 184 30.1 23.8 35.8
 145 31.8 25.8 38.8

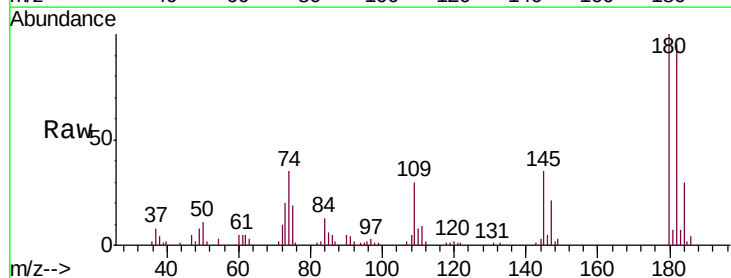


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

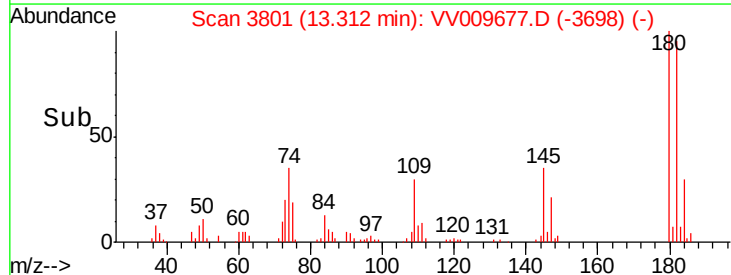
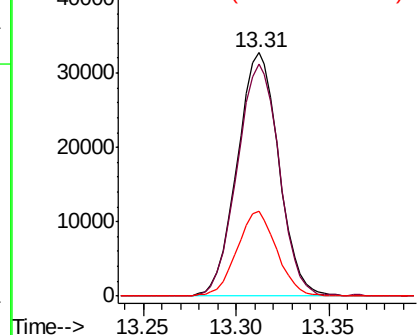


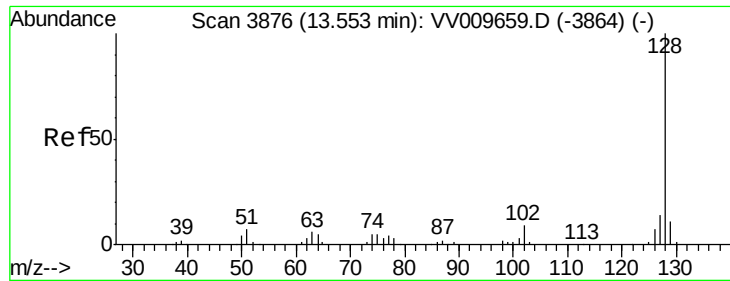
#68
 1,2,4-trichlorobenzene
 Concen: 24.107 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009677.D
 Acq: 14 Mar 2019 20:17

Tgt Ion:180 Resp: 50947
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.4 116.0
 145 33.2 26.4 39.6



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





#69

Naphthalene

Concen: 24.136 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD02561

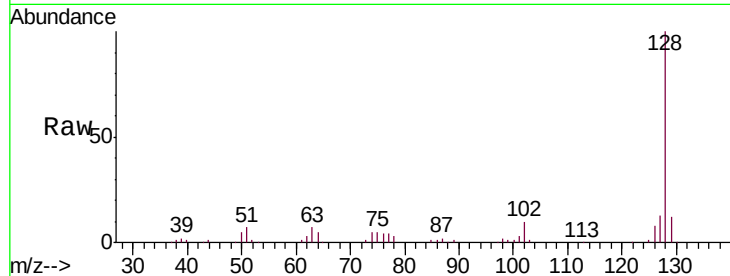
Tgt Ion:128 Resp: 84253

Ion Ratio Lower Upper

128 100

129 11.2 8.3 12.5

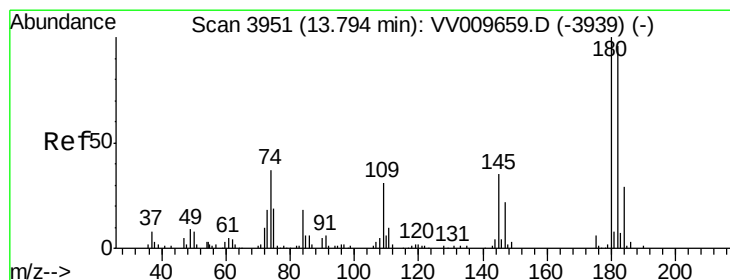
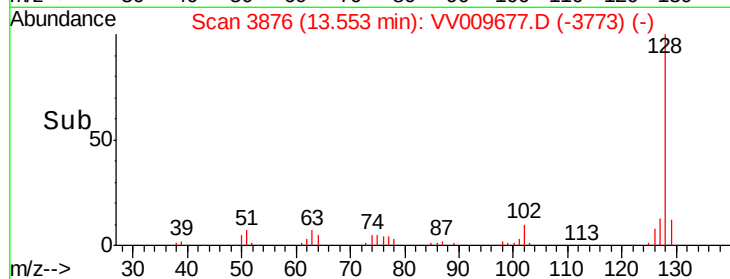
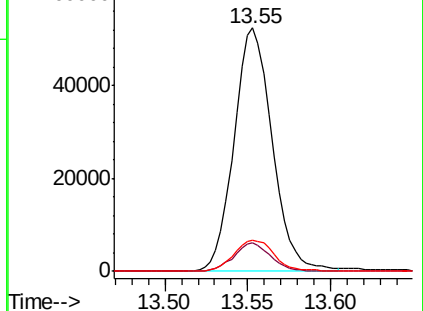
127 13.5 11.0 16.6



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: 25.343 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009677.D

Acq: 14 Mar 2019 20:17

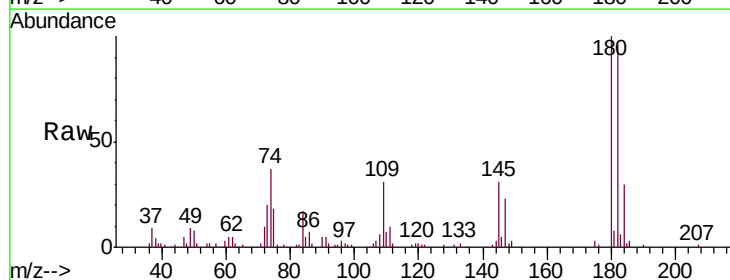
Tgt Ion:180 Resp: 49254

Ion Ratio Lower Upper

180 100

182 92.4 76.9 115.3

145 32.6 27.3 40.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

