

Data File : VV009522.D
Acq On : 07 Mar 2019 10:13
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Quant Time: Mar 08 02:59:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 07 02:53:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189474	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	178571	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83742	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	55200	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.80%
7) Chloroethane-d5	1.58	69	91453	27.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.92%
10) 1,1-Dichloroethene-d2	2.12	63	141874	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.60%
20) 2-Butanone-d5	3.94	46	29595	38.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.16%
24) Chloroform-d	4.40	84	113078	25.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.08	65	62630	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	5.09	84	223912	25.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.28%
33) 1,2-Dichloropropane-d6	6.11	67	67459	25.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.40%
37) Toluene-d8	7.36	98	218051	25.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.16%
38) trans-1,3-Dichloropropene-	7.66	79	30607	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.80%
39) 2-Hexanone-d5	8.14	63	24206	39.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60005	21.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	75025	24.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	49523	22.700 ug/L	97
3) Chloromethane	1.25	50	53546	23.029 ug/L	98
5) Vinyl chloride	1.32	62	60542	23.618 ug/L	100
6) Bromomethane	1.53	94	66528	20.848 ug/L	100
8) Chloroethane	1.59	64	69178	24.286 ug/L	97
9) Trichlorofluoromethane	1.76	101	126722	24.100 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	70384	23.905 ug/L	95
12) 1,1-Dichloroethene	2.13	96	58344	23.161 ug/L	94
13) Acetone	2.20	43	28720	36.344 ug/L	98
14) Carbon disulfide	2.31	76	152009	23.807 ug/L	100
15) Methyl Acetate	2.46	43	20966	16.384 ug/L	96
16) Methylene chloride	2.53	84	54225	21.807 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	124921	22.145 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	53729	23.745 ug/L	99
19) 1,1-Dichloroethane	3.23	63	94940	23.813 ug/L	99
21) 2-Butanone	4.03	43	33002	33.091 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	61619	24.122 ug/L	98

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26115	22.171	ug/L	90
25) Chloroform	4.42	83	109047	24.508	ug/L	99
27) 1,2-Dichloroethane	5.17	62	70680	22.872	ug/L	99
30) Cyclohexane	4.72	56	90377	23.848	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	96852	24.262	ug/L	99
32) Carbon tetrachloride	4.87	117	82346	24.400	ug/L	98
34) Benzene	5.14	78	222306	24.093	ug/L	100
35) Trichloroethene	5.96	95	61874	23.333	ug/L	97
36) Methylcyclohexane	6.17	83	101341	23.460	ug/L	98
40) 1,2-Dichloropropane	6.22	63	54824	23.044	ug/L #	98
41) Bromodichloromethane	6.55	83	77753	24.213	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	88862	24.059	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	66962	35.705	ug/L	99
44) Toluene	7.43	91	245007	23.491	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	73369	22.745	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	43922	22.221	ug/L	96
47) Tetrachloroethene	8.02	164	49296	24.510	ug/L	99
49) 2-Hexanone	8.19	43	52442	36.979	ug/L	96
50) Dibromochloromethane	8.29	129	54159	22.633	ug/L	97
51) 1,2-Dibromoethane	8.40	107	44045	21.567	ug/L #	95
52) Chlorobenzene	8.93	112	160959	23.283	ug/L	99
53) Ethylbenzene	9.05	91	281234	23.564	ug/L	99
54) m,p-Xylene	9.18	106	106074	23.482	ug/L	100
55) o-xylene	9.59	106	104151	23.911	ug/L	95
56) Styrene	9.60	104	168577	23.524	ug/L	99
57) Isopropylbenzene	9.97	105	286268	23.827	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	56583	20.274	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40024	19.894	ug/L	99
62) Bromoform	9.78	173	29383	21.622	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	123804	23.668	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	123442	23.094	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	115391	23.655	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8918	18.252	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	88867	23.685	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	70569	23.491	ug/L	99
69) Naphthalene	13.55	128	124830	19.728	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	63484	22.971	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

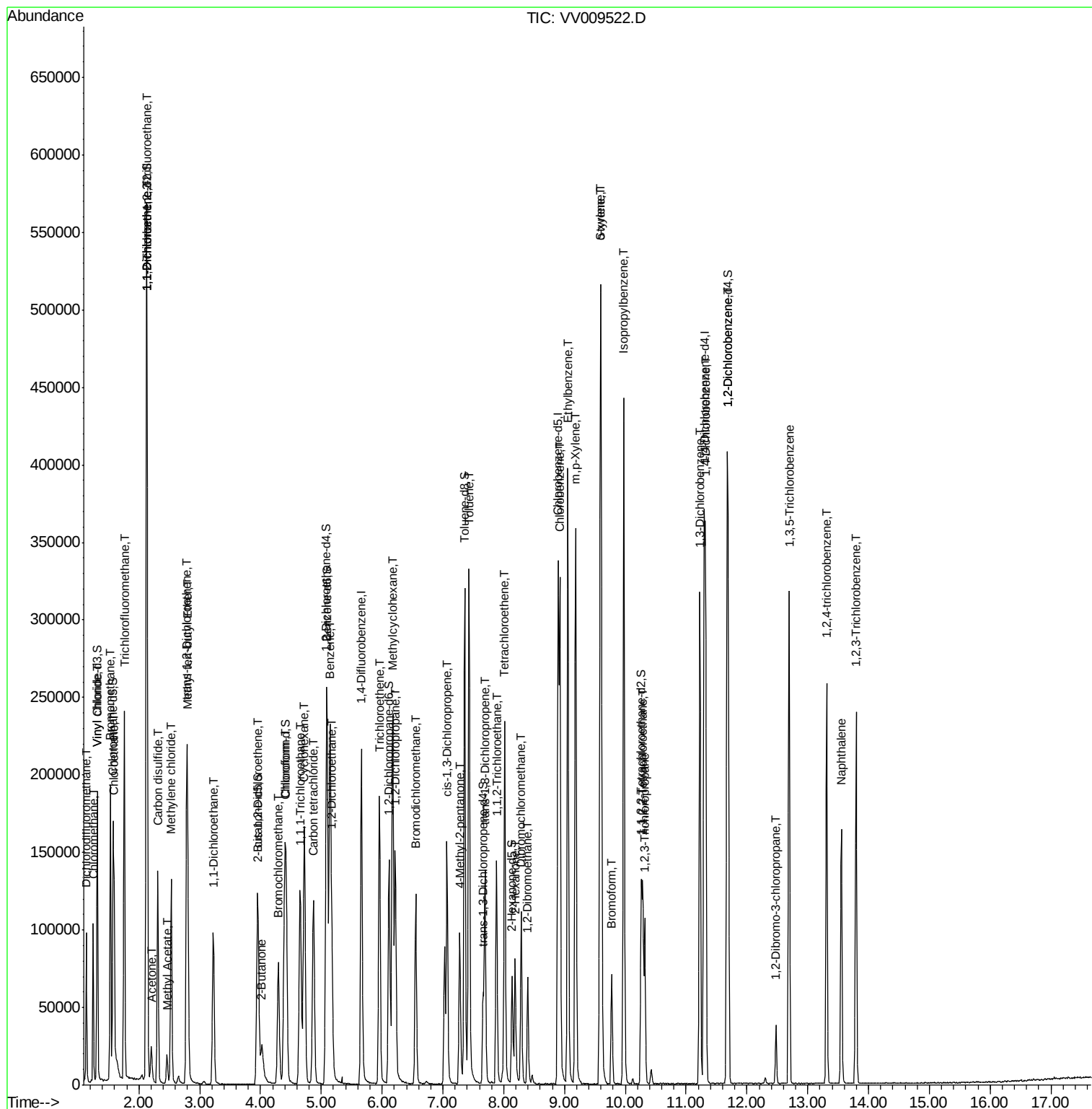
Quant Time: Mar 08 02:59:43 2019

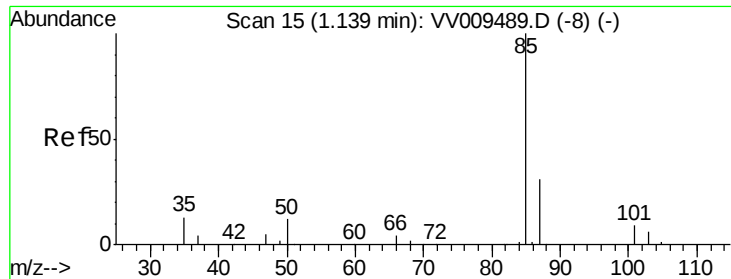
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 07 02:53:16 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.700 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

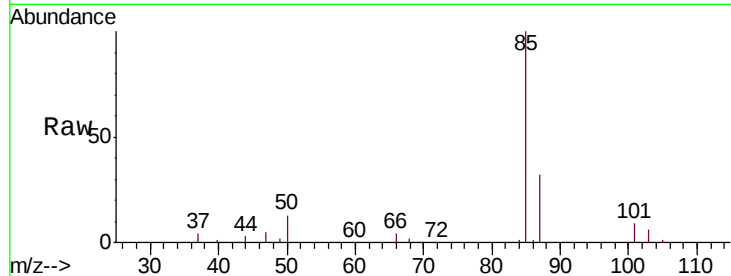
VSTD02570

Tgt Ion: 85 Resp: 49523

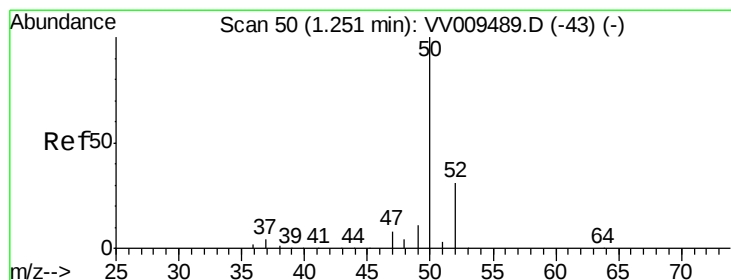
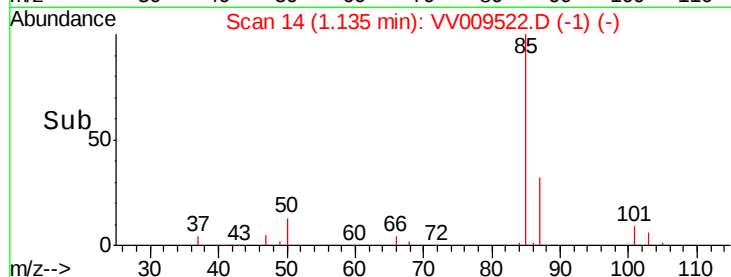
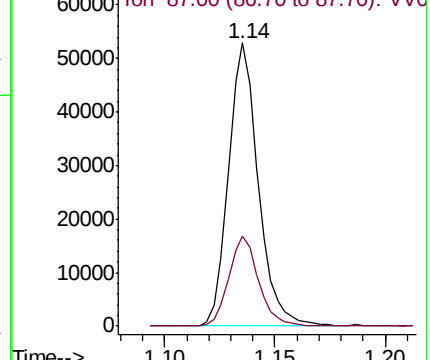
Ion Ratio Lower Upper

85 100

87 31.8 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009489.D (-8) (-)



#3

Chloromethane

Concen: 23.029 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009522.D

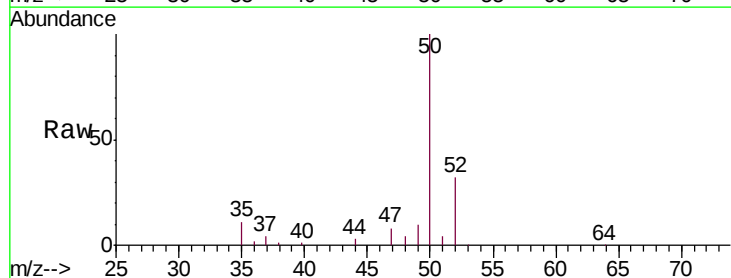
Acq: 07 Mar 2019 10:13

Tgt Ion: 50 Resp: 53546

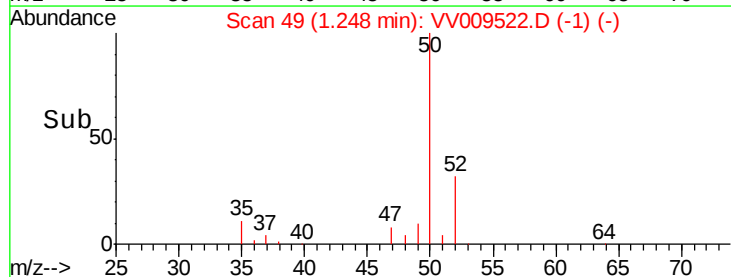
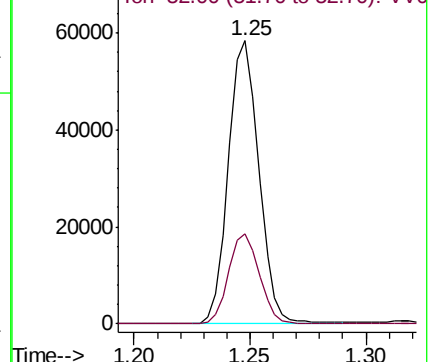
Ion Ratio Lower Upper

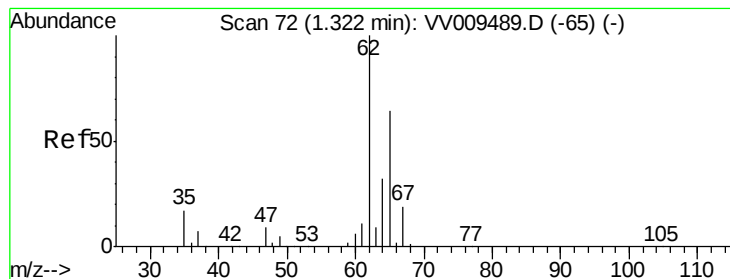
50 100

52 31.9 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009489.D (-43) (-)





#5

Vinyl chloride

Concen: 23.618 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

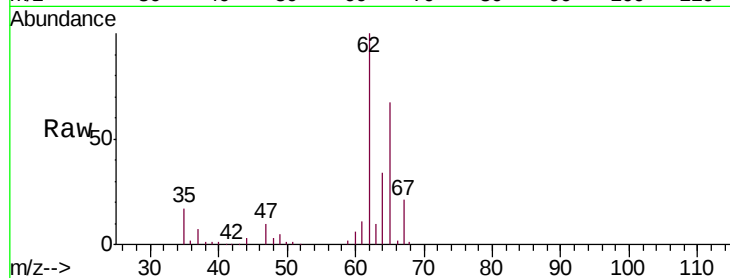
VSTD02570

Tgt Ion: 62 Resp: 60542

Ion Ratio Lower Upper

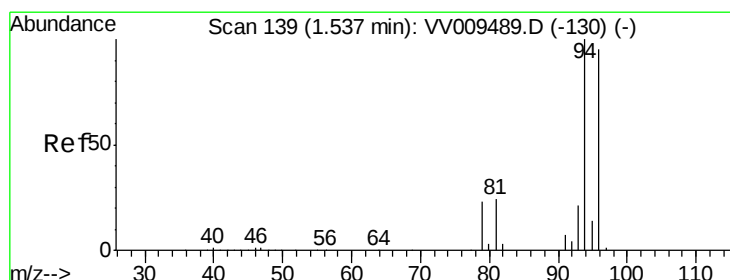
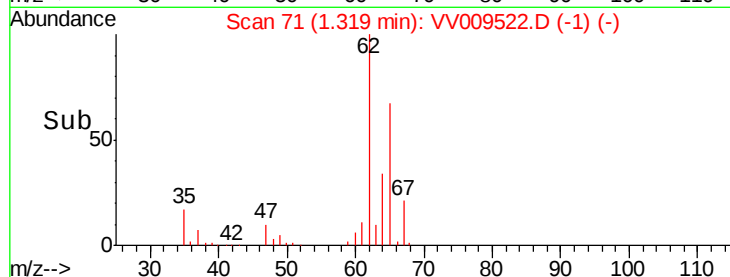
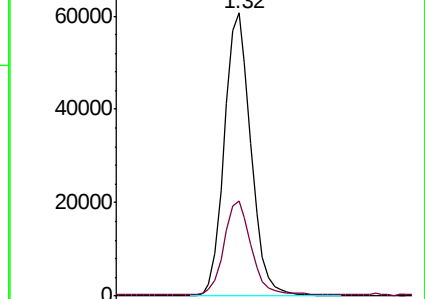
62 100

64 33.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009489.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009489.D (-65) (-)



#6

Bromomethane

Concen: 20.848 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV009522.D

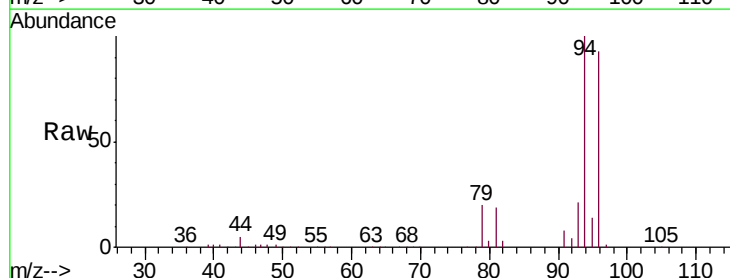
Acq: 07 Mar 2019 10:13

Tgt Ion: 94 Resp: 66528

Ion Ratio Lower Upper

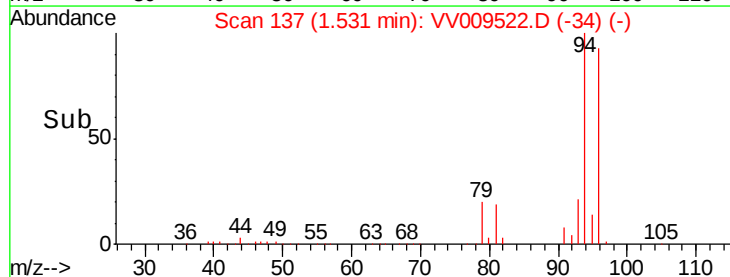
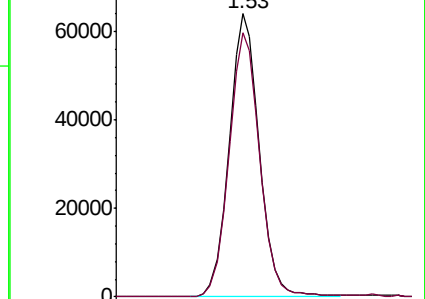
94 100

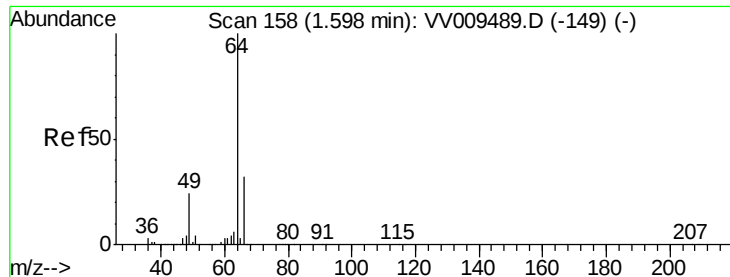
96 95.1 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009489.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009489.D (-130) (-)





#8

Chloroethane

Concen: 24.286 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

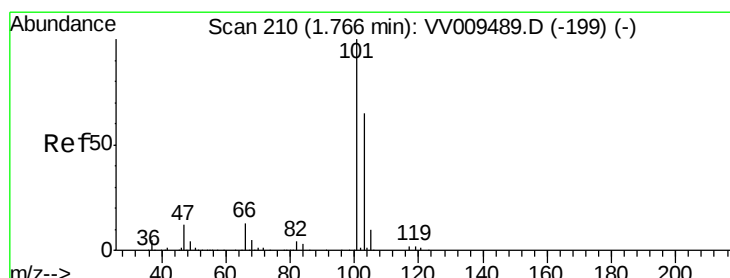
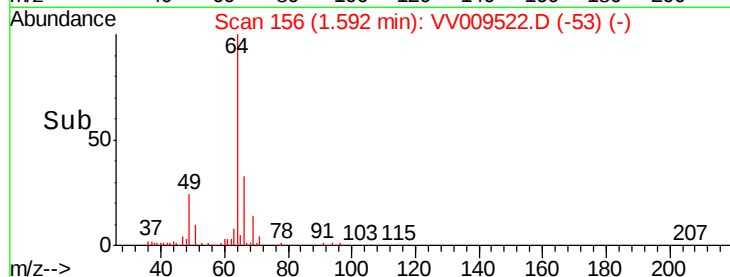
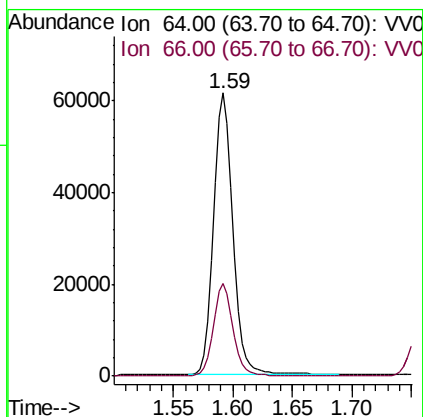
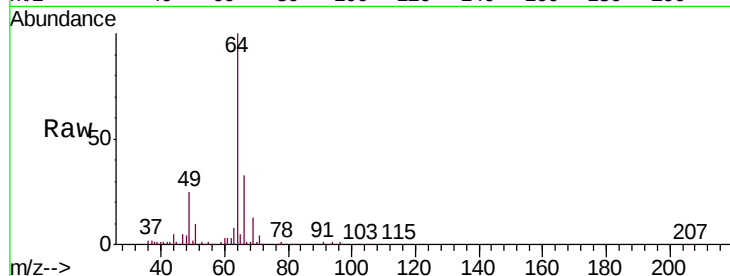
VSTD02570

Tgt Ion: 64 Resp: 69178

Ion Ratio Lower Upper

64 100

66 32.8 21.8 40.6



#9

Trichlorofluoromethane

Concen: 24.100 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.01 min

Lab File: VV009522.D

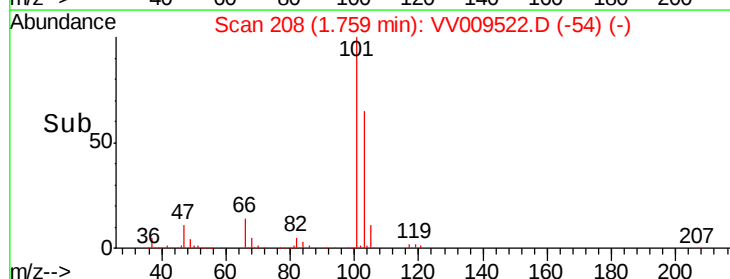
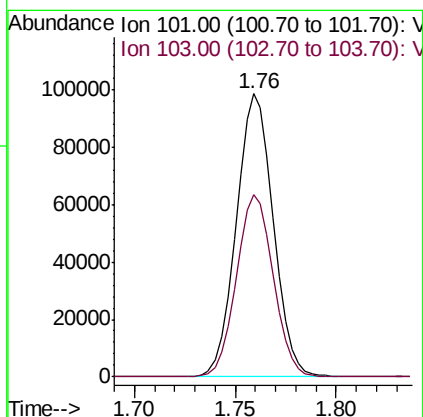
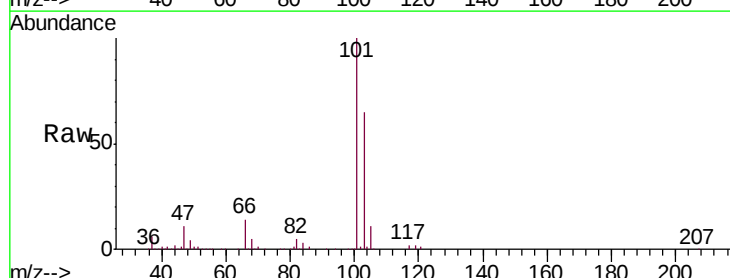
Acq: 07 Mar 2019 10:13

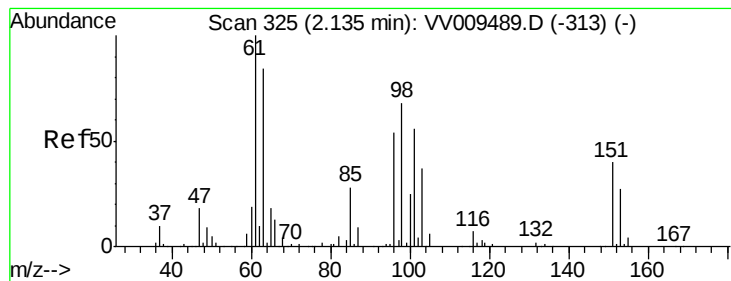
Tgt Ion: 101 Resp: 126722

Ion Ratio Lower Upper

101 100

103 64.2 44.7 83.1





#11

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

Concen: 23.905 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

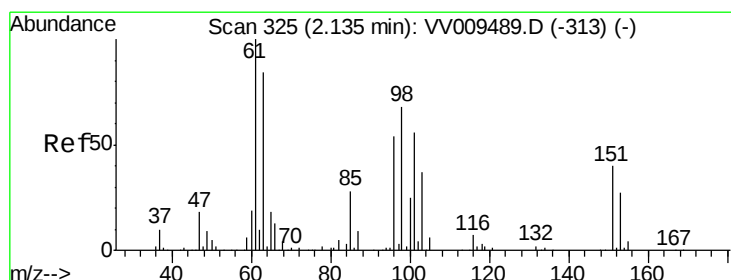
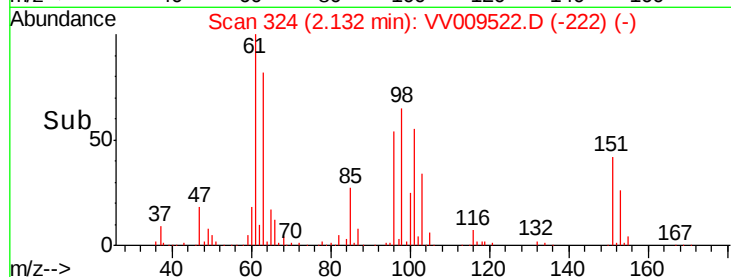
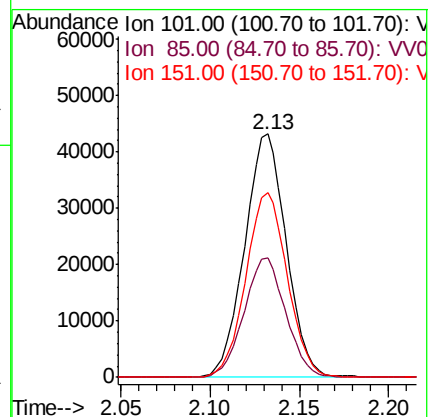
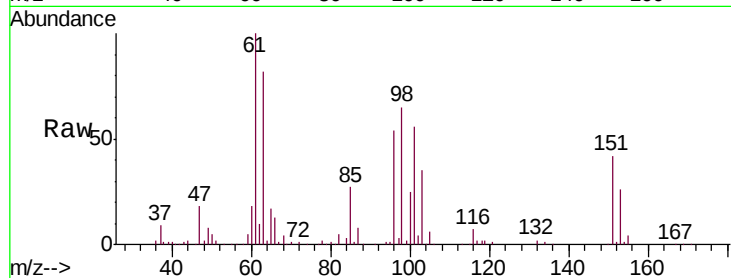
Tgt Ion: 101 Resp: 70384

Ion Ratio Lower Upper

101 100

85 49.1 40.1 60.1

151 75.8 55.9 83.9



#12

1,1-Dichloroethene

Concen: 23.161 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

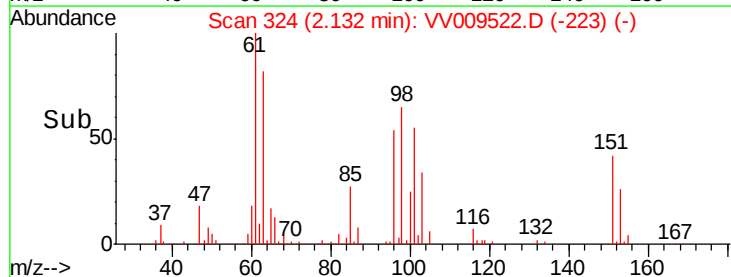
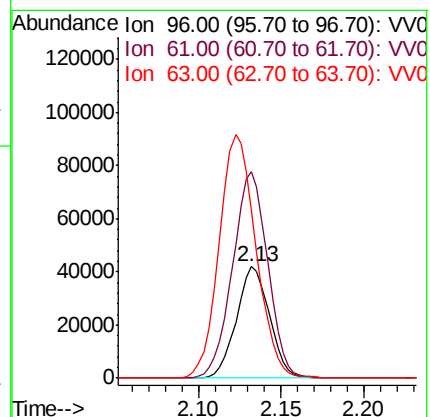
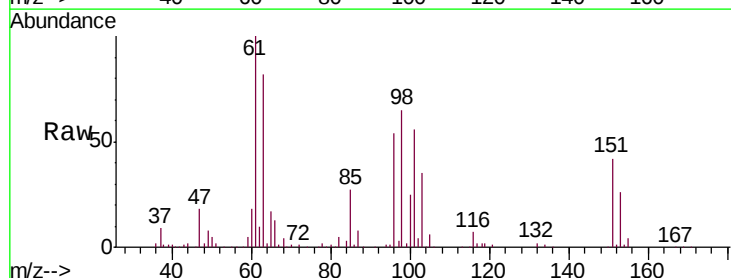
Tgt Ion: 96 Resp: 58344

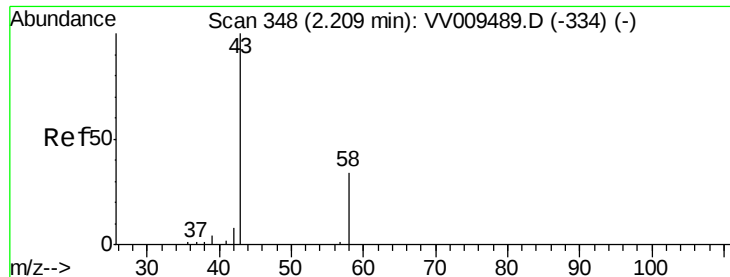
Ion Ratio Lower Upper

96 100

61 184.8 136.9 254.3

63 150.7 108.7 201.9





#13

Acetone

Concen: 36.344 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

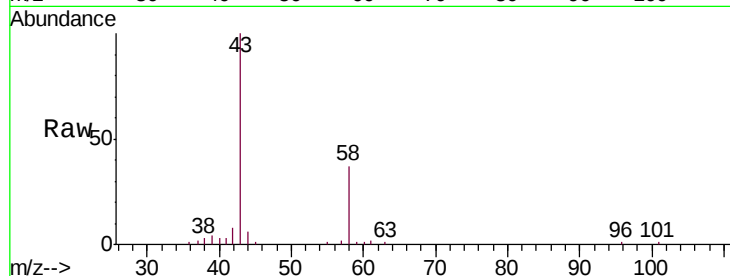
VSTD02570

Tgt Ion: 43 Resp: 28720

Ion Ratio Lower Upper

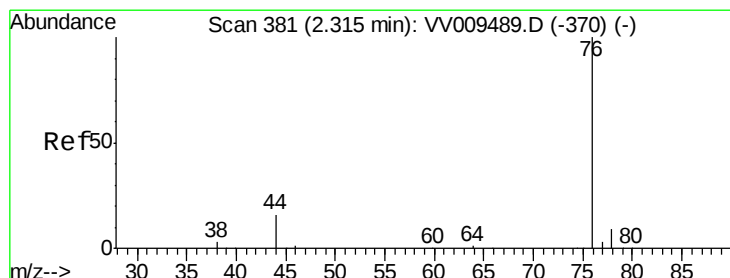
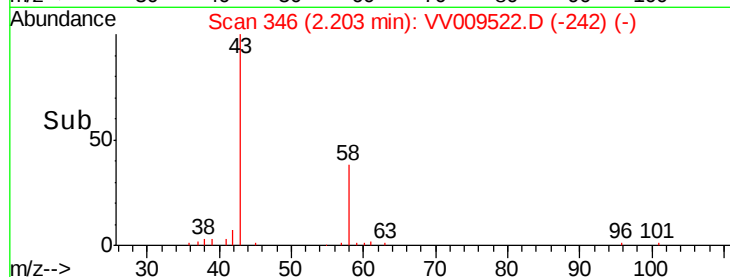
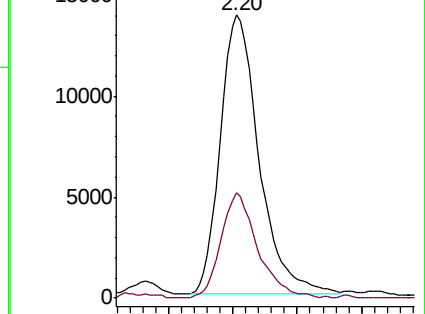
43 100

58 35.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009489.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009489.D (-334) (-)



#14

Carbon disulfide

Concen: 23.807 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV009522.D

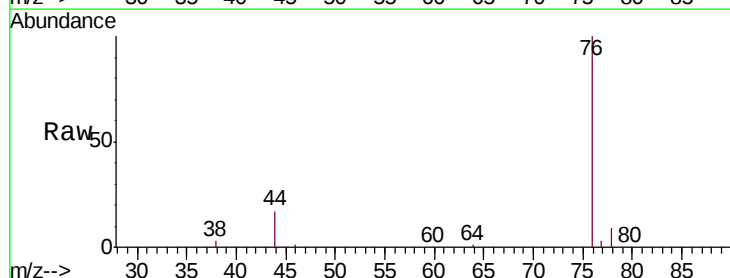
Acq: 07 Mar 2019 10:13

Tgt Ion: 76 Resp: 152009

Ion Ratio Lower Upper

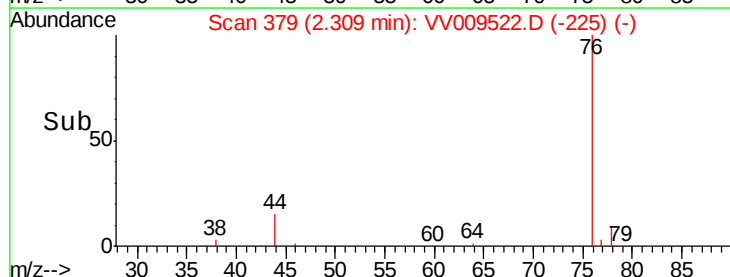
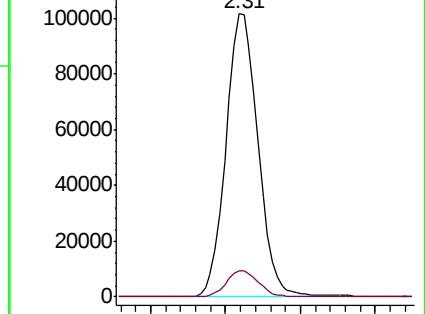
76 100

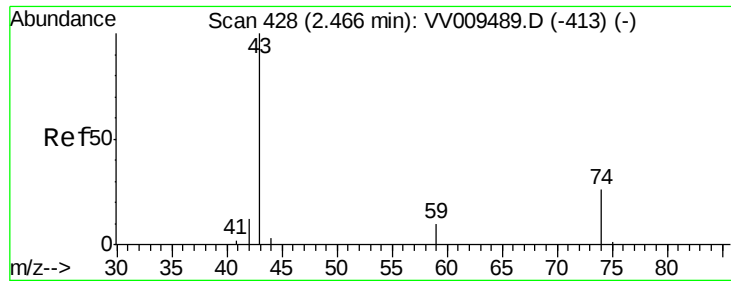
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009489.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009489.D (-370) (-)

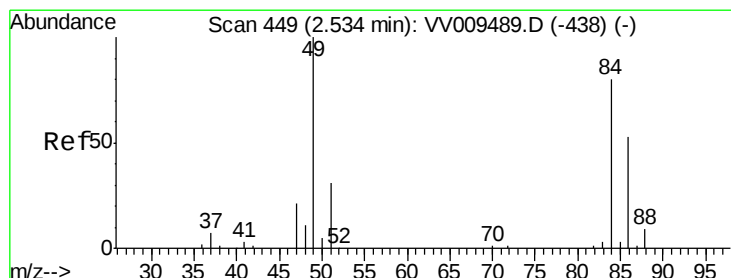
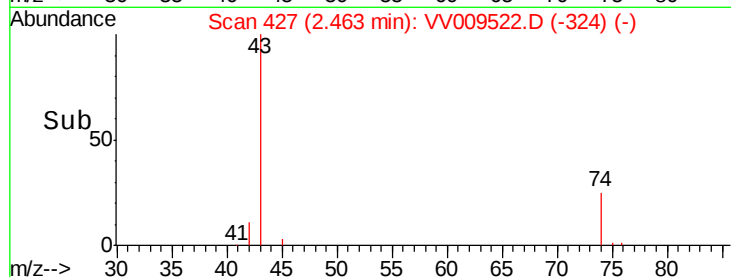
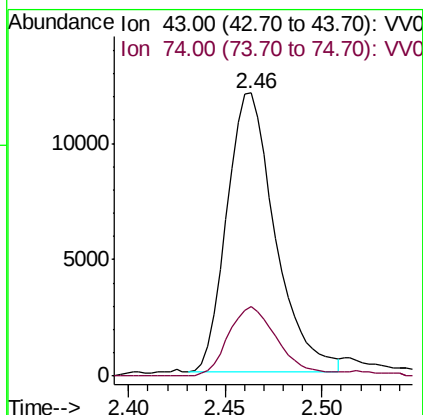
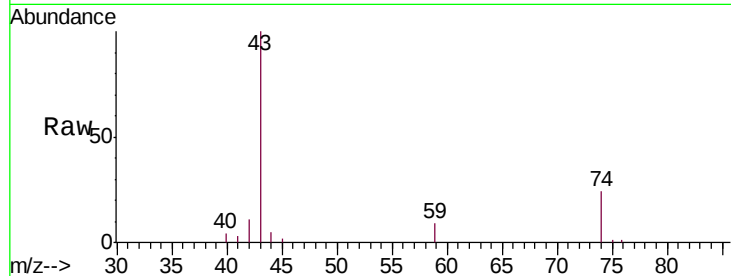




#15
Methyl Acetate
Concen: 16.384 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

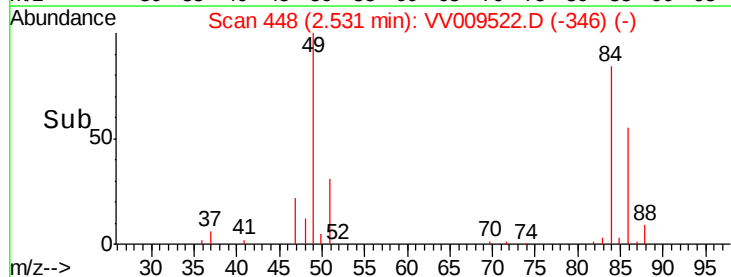
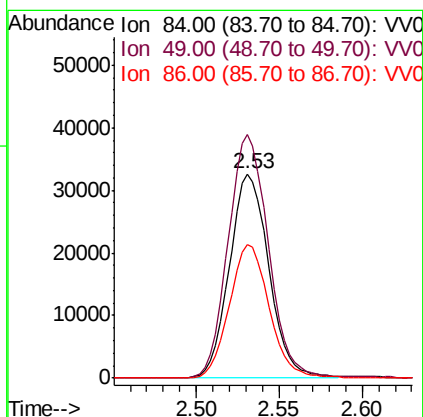
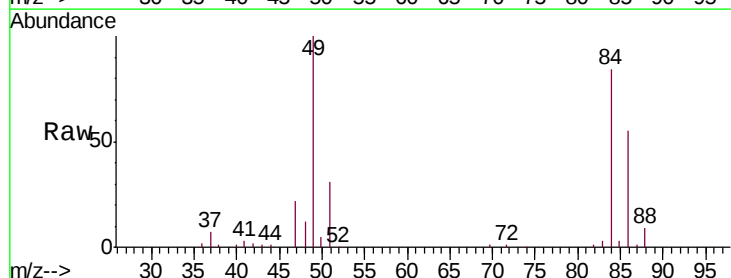
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

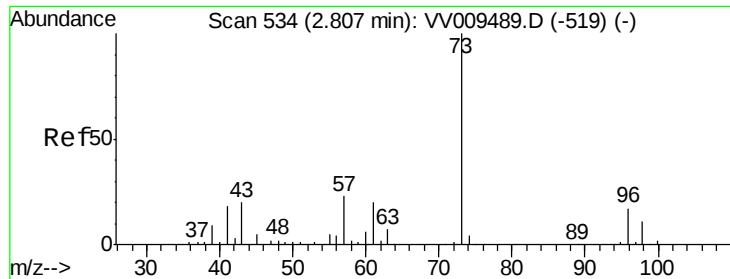
Tgt Ion: 43 Resp: 20966
Ion Ratio Lower Upper
43 100
74 25.3 21.8 32.8



#16
Methylene chloride
Concen: 21.807 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 84 Resp: 54225
Ion Ratio Lower Upper
84 100
49 119.2 84.6 157.0
86 65.4 46.1 85.7



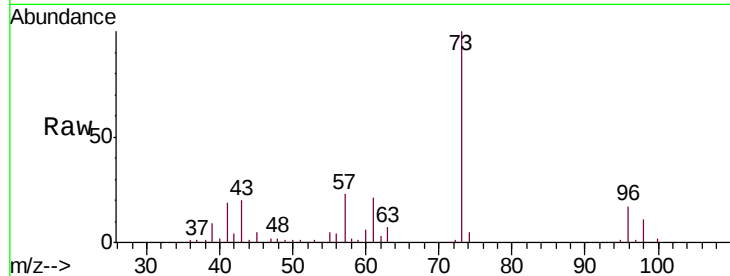


#17

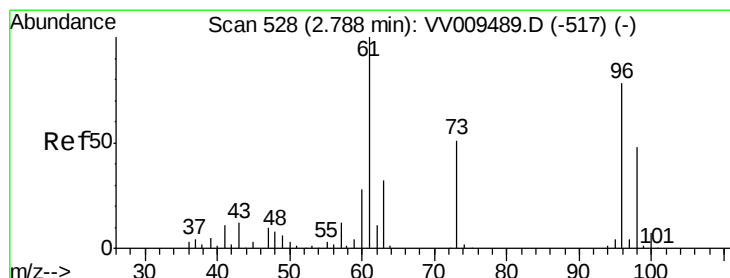
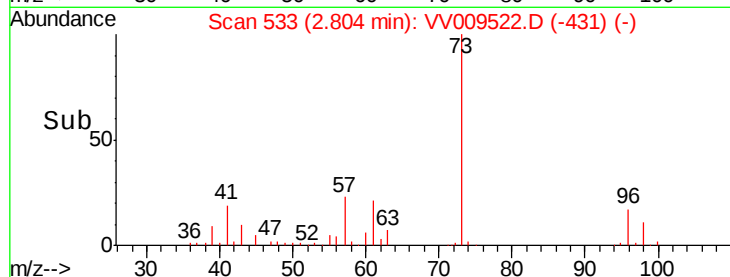
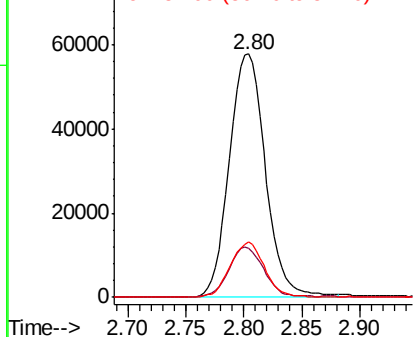
Methyl tert-butyl Ether
 Concen: 22.145 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:	73	Resp:	124921
Ion	Ratio	Lower	Upper
73	100		
43	19.6	15.0	22.4
57	21.6	17.0	25.4



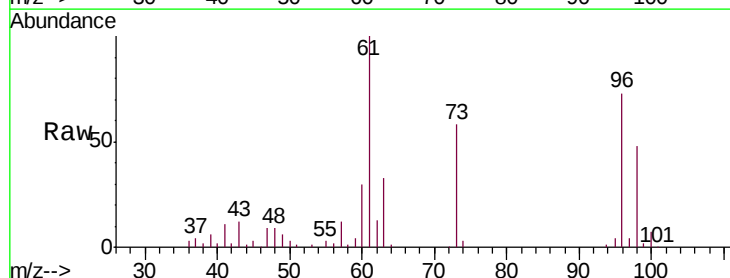
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



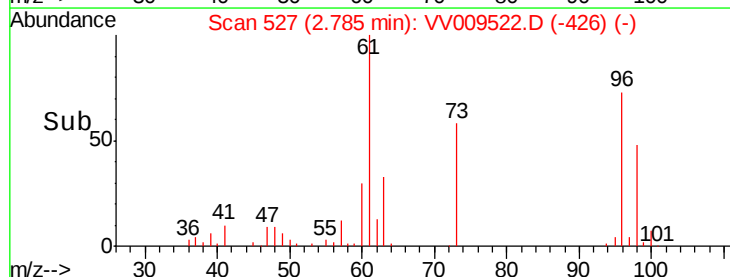
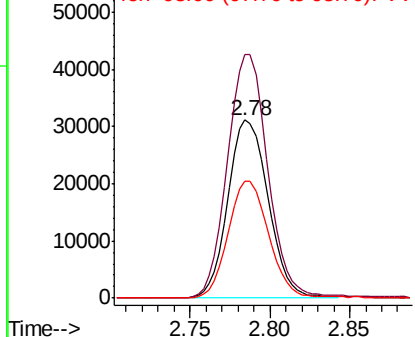
#18

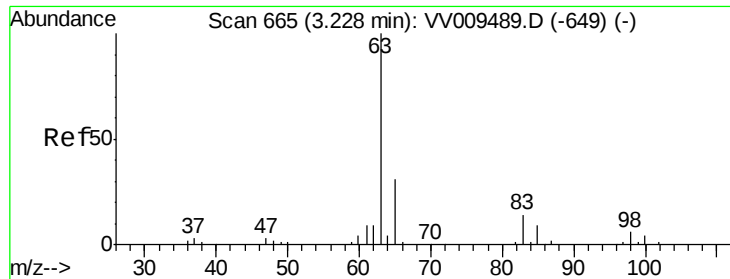
trans-1,2-Dichloroethene
 Concen: 23.745 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion:	96	Resp:	53729
Ion	Ratio	Lower	Upper
96	100		
61	136.4	95.6	177.6
98	65.9	44.0	81.6



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

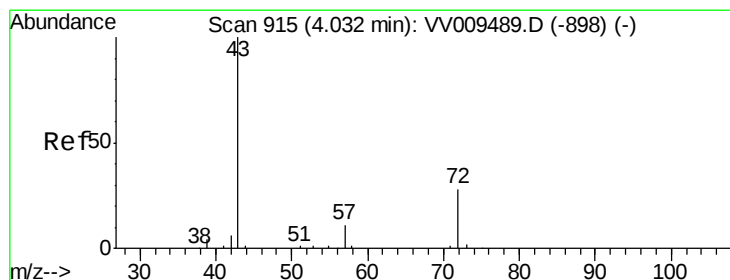
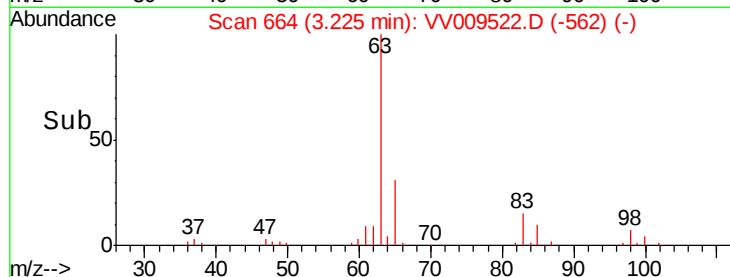
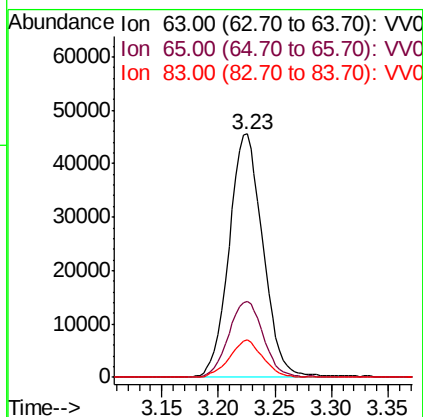
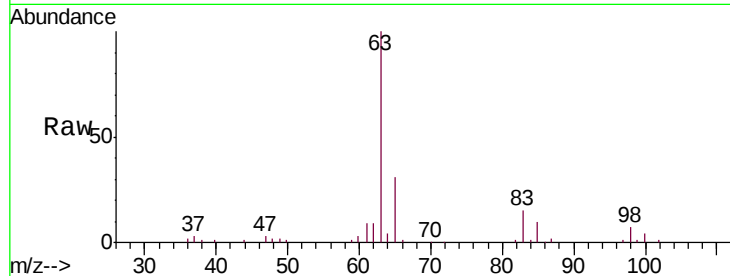




#19
 1,1-Dichloroethane
 Concen: 23.813 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

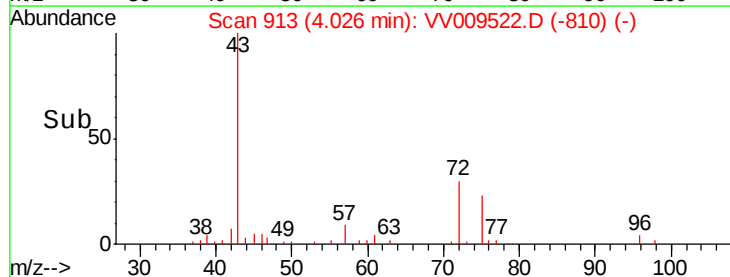
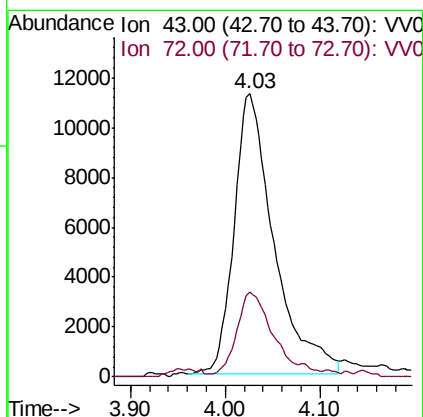
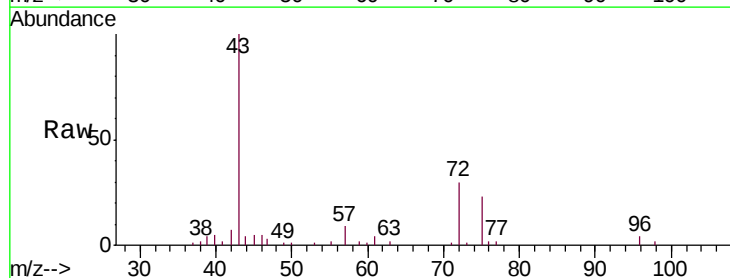
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

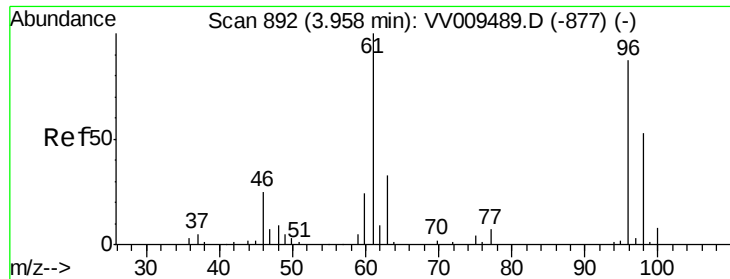
Tgt Ion: 63 Resp: 94940
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.1 41.1
 83 15.2 10.2 19.0



#21
 2-Butanone
 Concen: 33.091 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion: 43 Resp: 33002
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.7 41.0



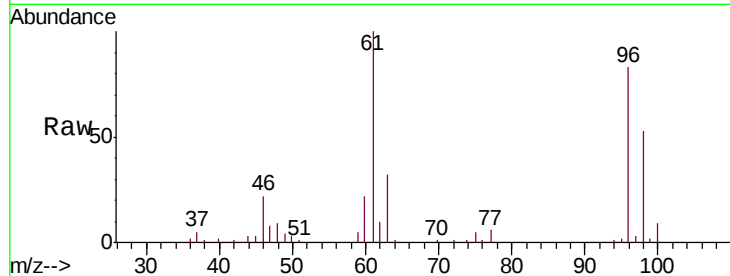


#22

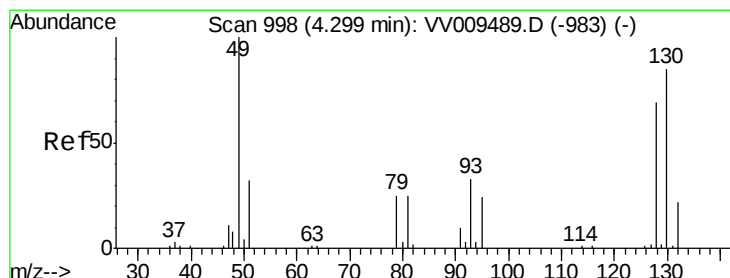
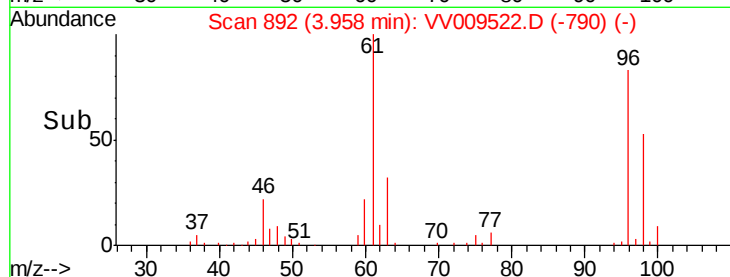
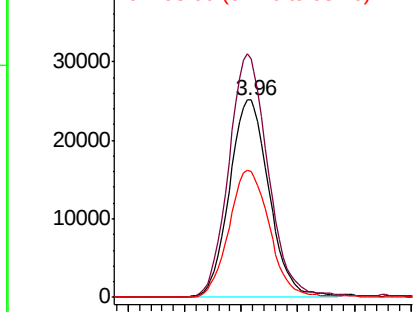
cis-1,2-Dichloroethene
Concen: 24.122 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Tgt Ion: 96 Resp: 61619
Ion Ratio Lower Upper
96 100
61 120.6 87.2 161.9
98 63.7 44.6 82.8



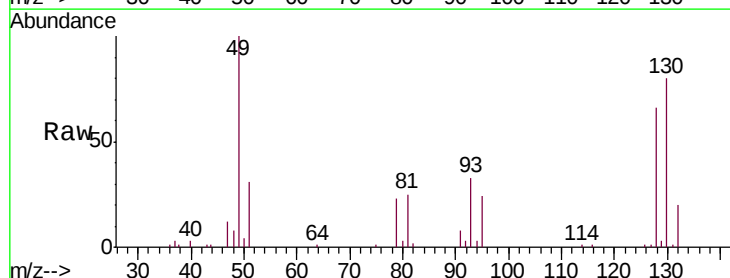
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



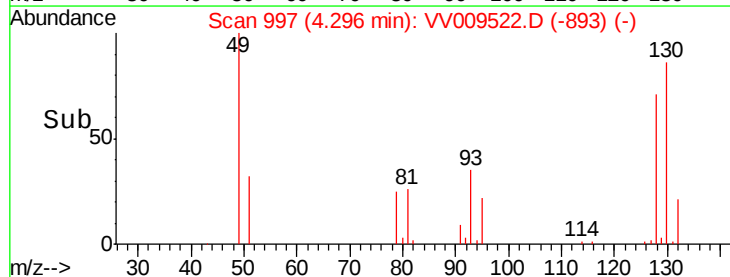
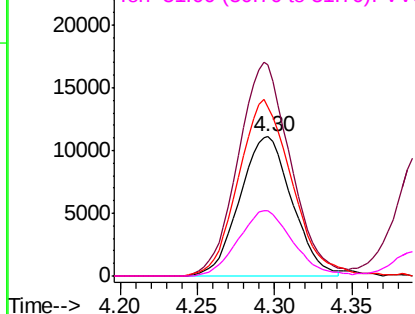
#23

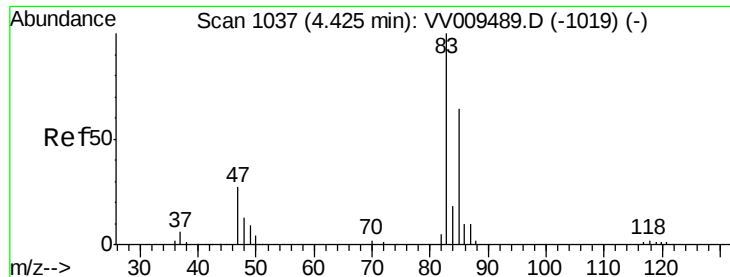
Bromochloromethane
Concen: 22.171 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 128 Resp: 26115
Ion Ratio Lower Upper
128 100
49 151.6 115.5 214.5
130 121.8 92.6 172.0
51 46.8 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

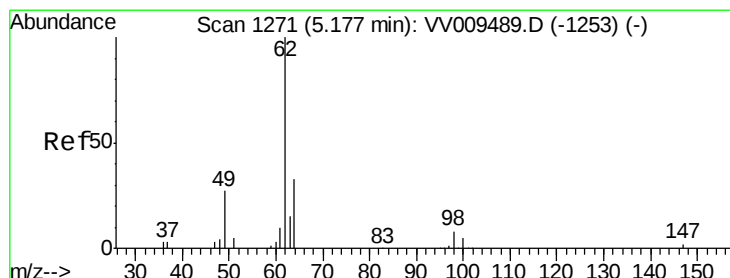
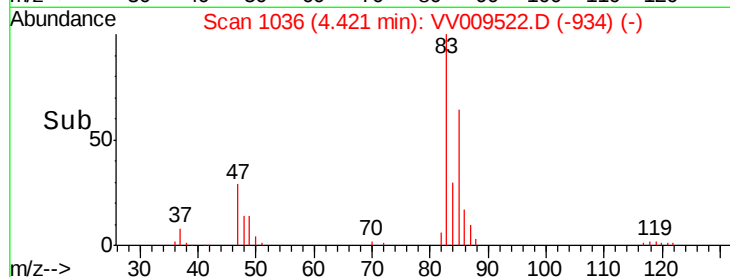
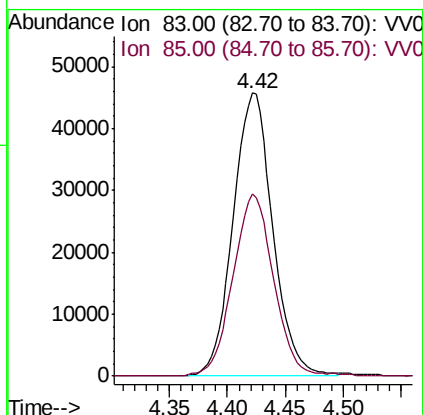
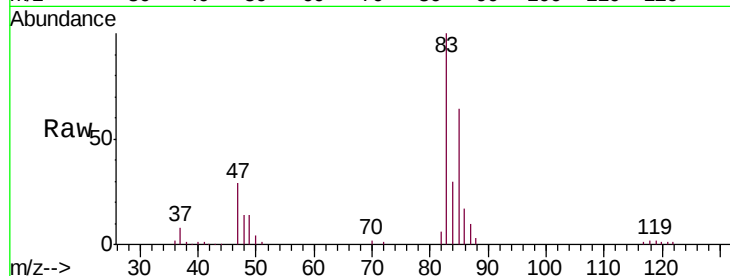




#25
Chloroform
Concen: 24.508 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

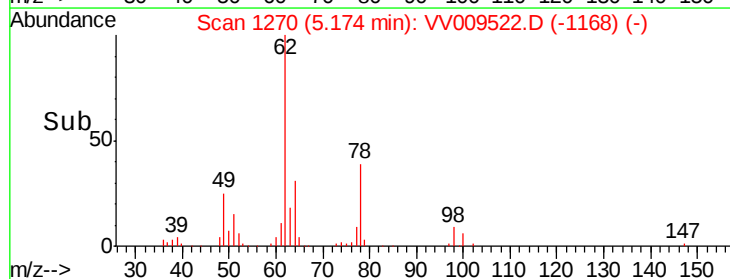
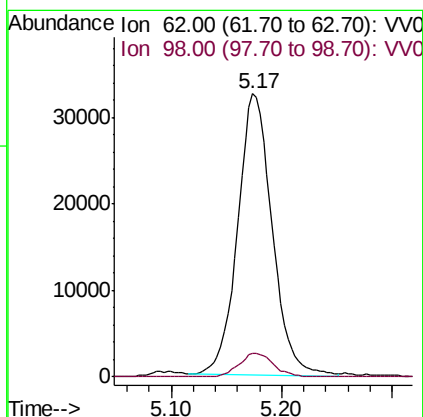
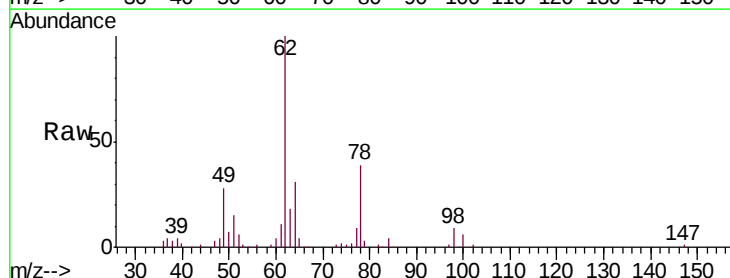
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

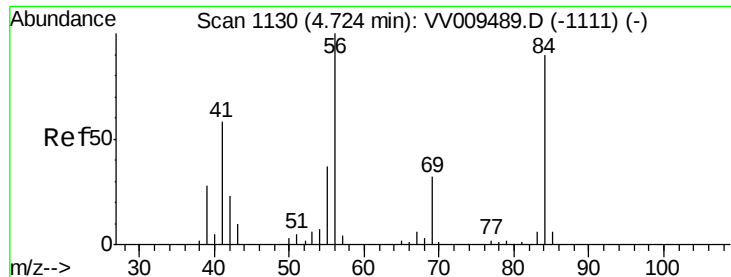
Tgt Ion: 83 Resp: 109047
Ion Ratio Lower Upper
83 100
85 65.6 45.4 84.2



#27
1,2-Dichloroethane
Concen: 22.872 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 62 Resp: 70680
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0

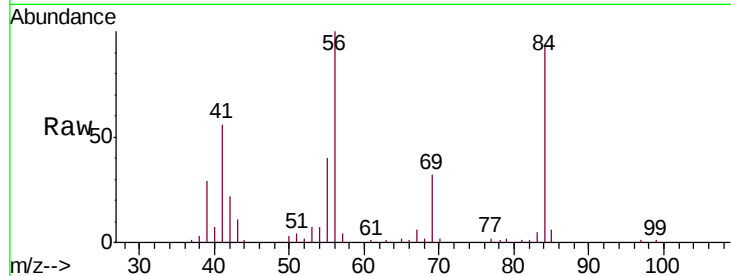




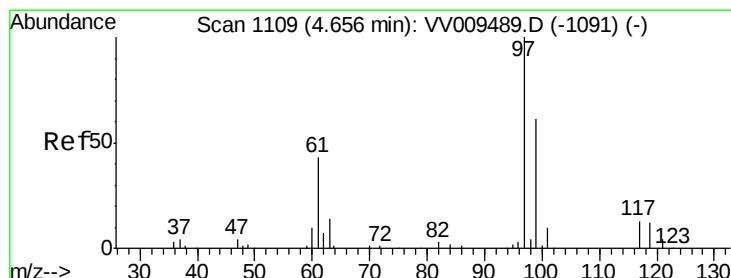
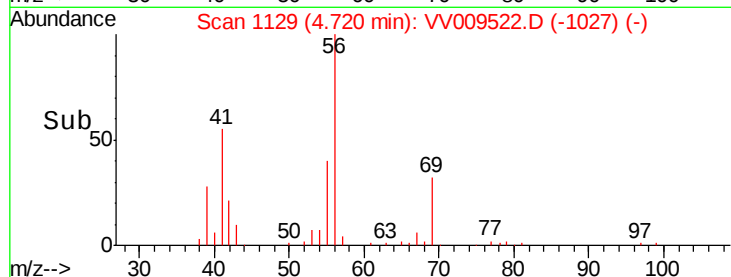
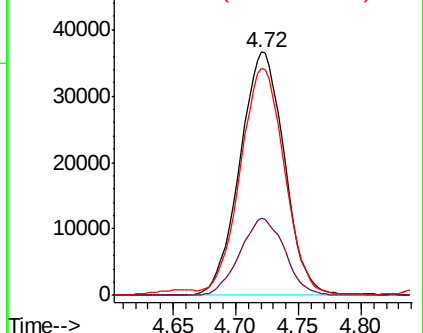
#30
Cyclohexane
Concen: 23.848 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Tgt Ion: 56 Resp: 90377
Ion Ratio Lower Upper
56 100
69 31.9 24.9 37.3
84 93.5 71.9 107.9

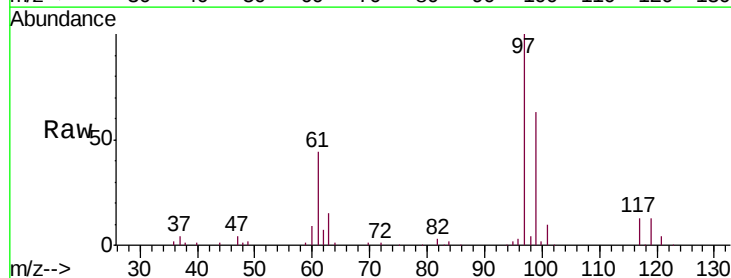


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

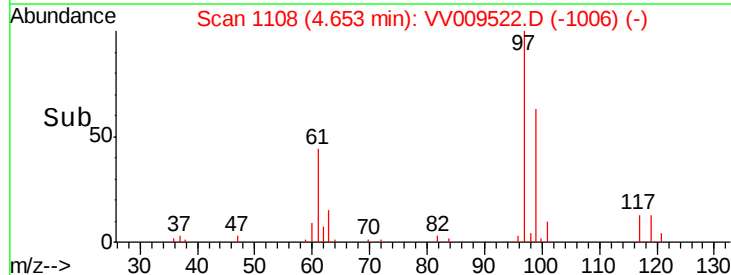
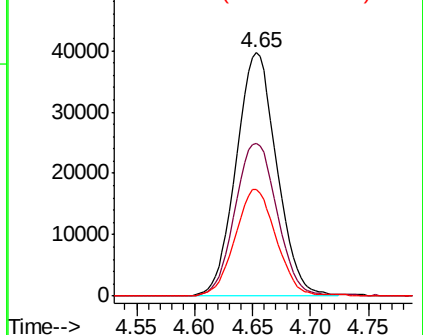


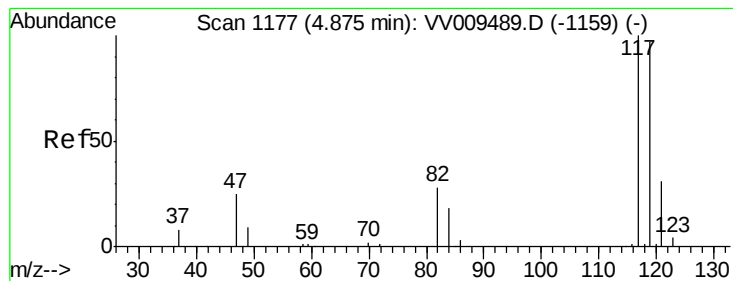
#31
1,1,1-Trichloroethane
Concen: 24.262 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 97 Resp: 96852
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 44.2 36.1 54.1



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 24.400 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

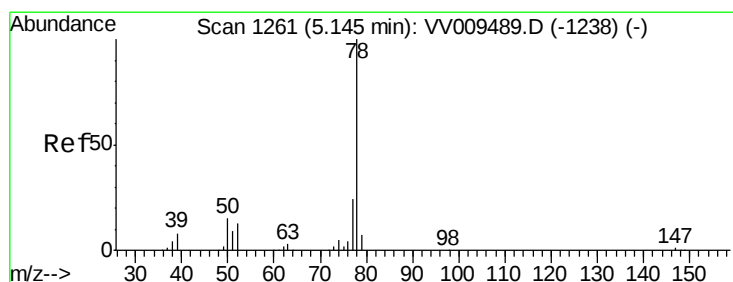
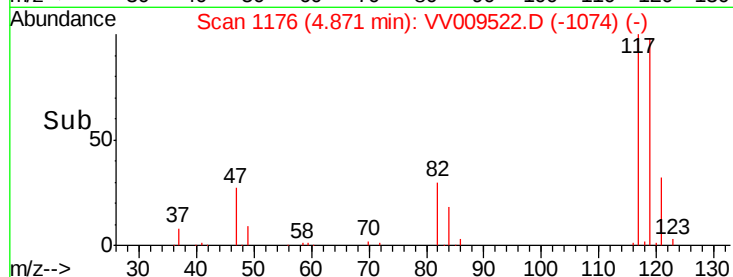
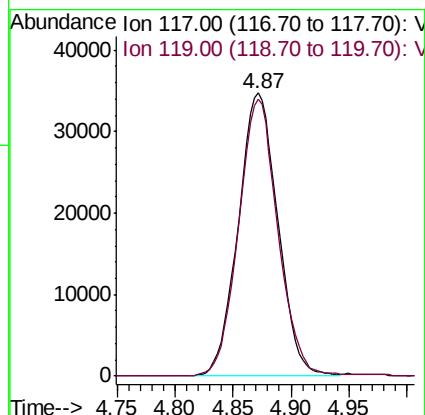
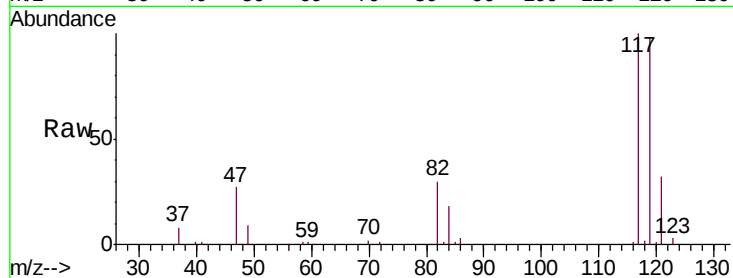
VSTD02570

Tgt Ion:117 Resp: 82346

Ion Ratio Lower Upper

117 100

119 97.3 76.5 114.7



#34

Benzene

Concen: 24.093 ug/L

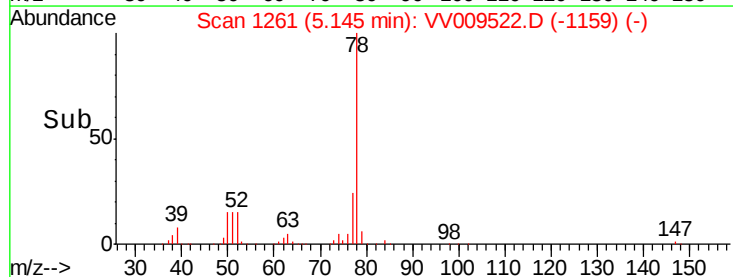
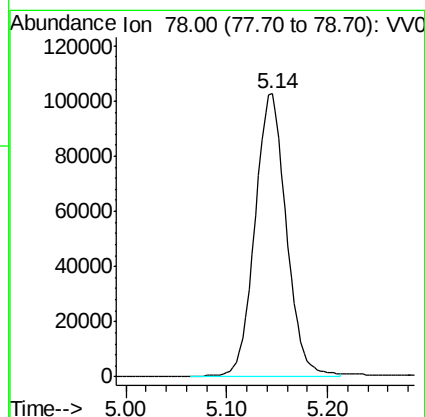
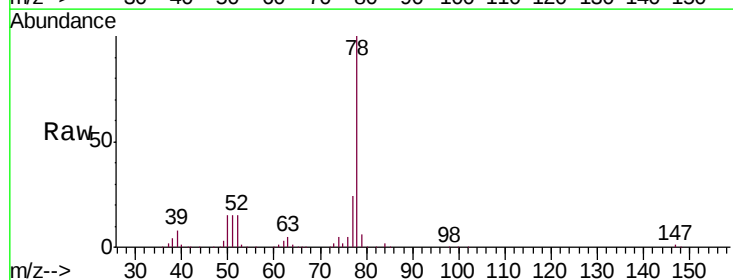
RT: 5.14 min Scan# 1261

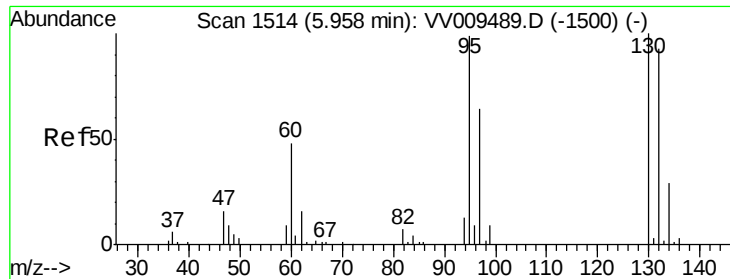
Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Tgt Ion: 78 Resp: 222306





#35

Trichloroethene

Concen: 23.333 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion: 95 Resp: 61874

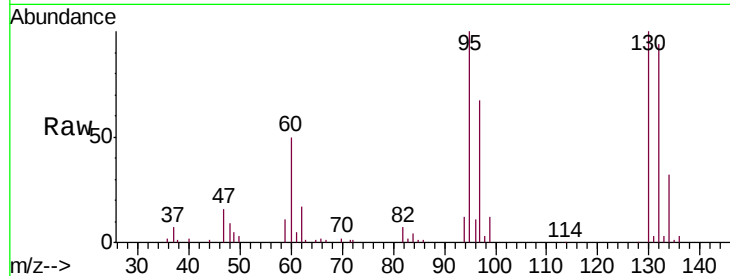
Ion Ratio Lower Upper

95 100

97 66.0 44.3 82.3

132 96.9 64.4 119.6

130 100.4 69.4 128.8



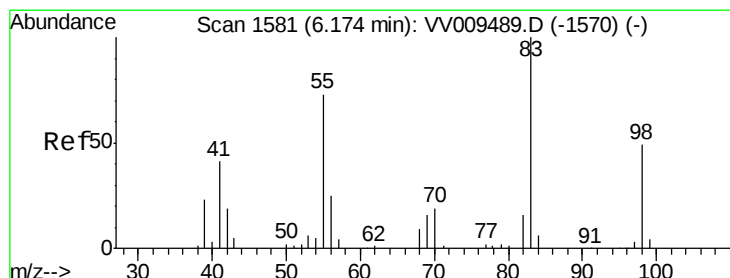
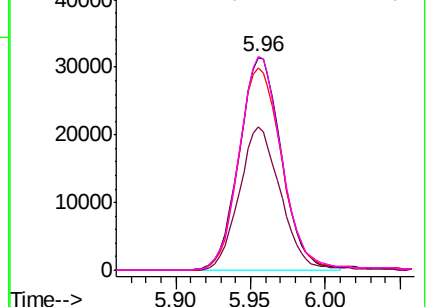
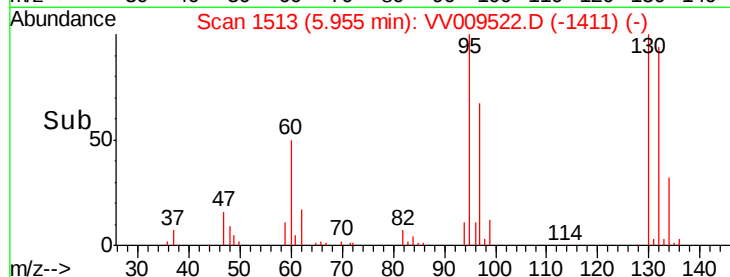
Abundance

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: 23.460 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

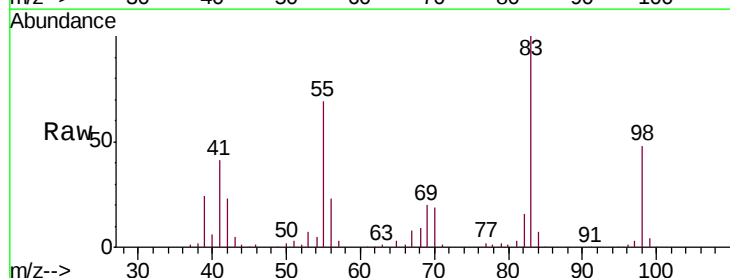
Tgt Ion: 83 Resp: 101341

Ion Ratio Lower Upper

83 100

55 71.5 58.8 88.2

98 48.8 37.7 56.5

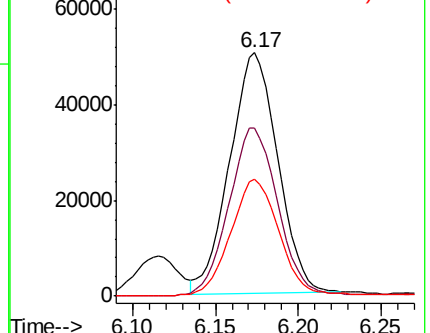
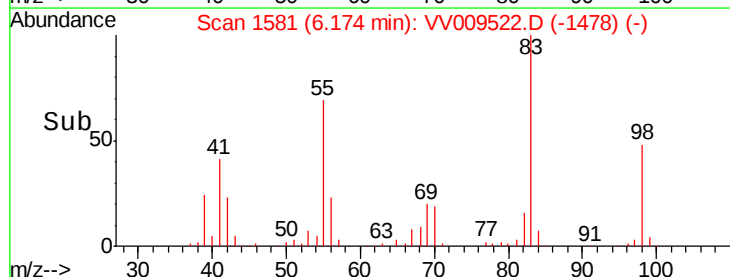


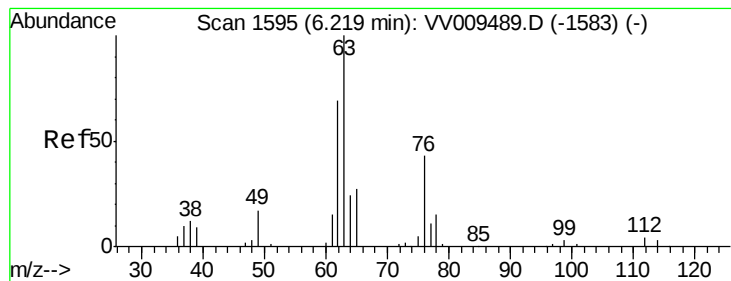
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 23.044 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

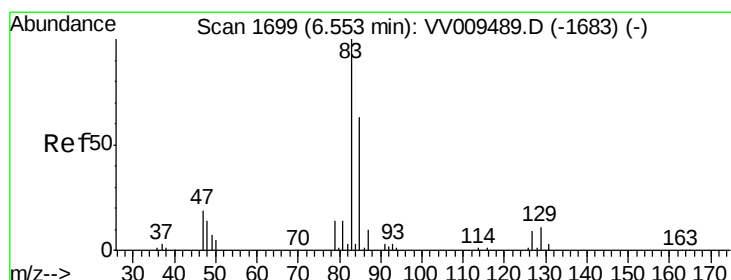
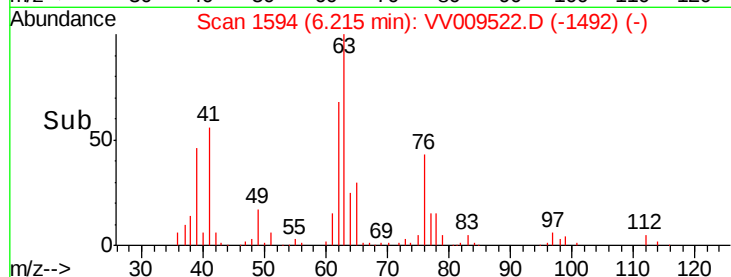
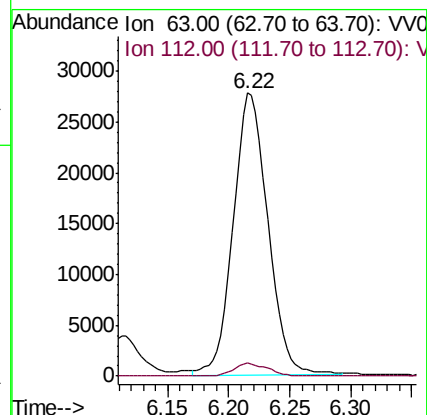
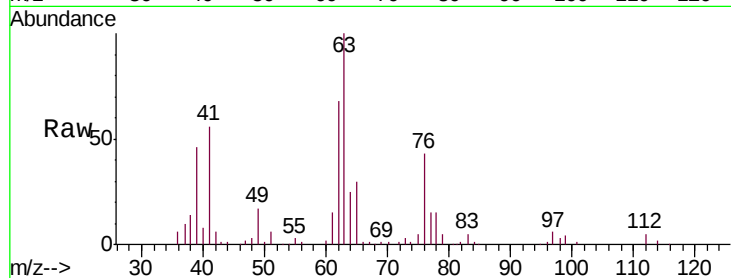
VSTD02570

Tgt Ion: 63 Resp: 54824

Ion Ratio Lower Upper

63 100

112 4.5 3.0 4.4#



#41

Bromodichloromethane

Concen: 24.213 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

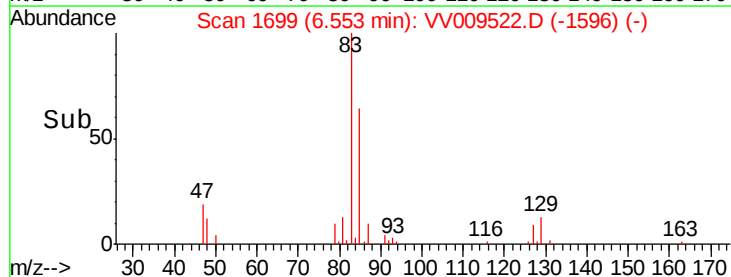
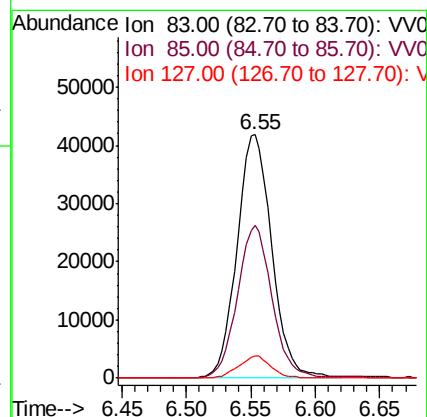
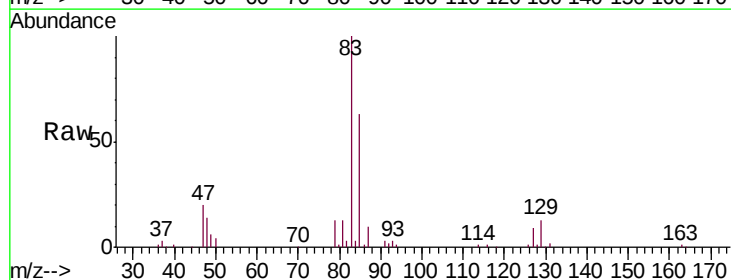
Tgt Ion: 83 Resp: 77753

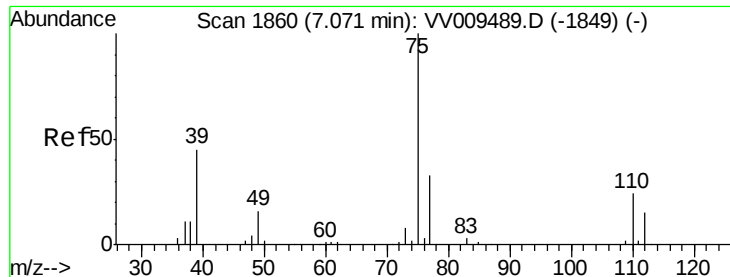
Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.3

127 9.1 7.2 10.8



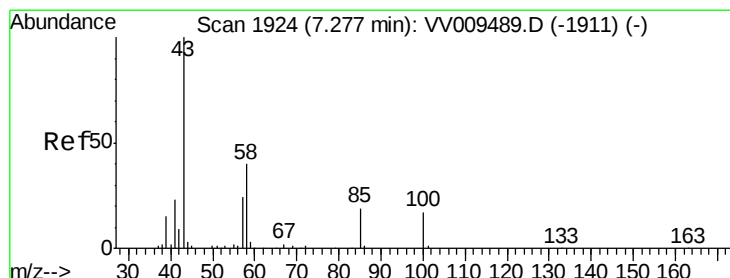
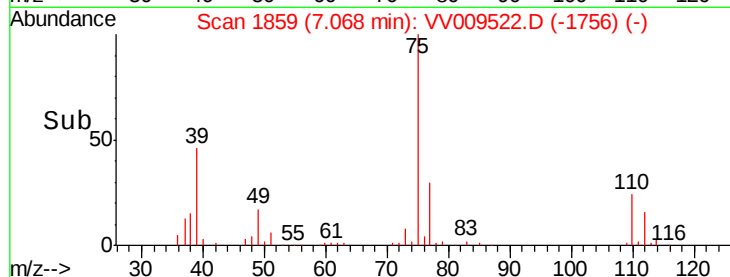
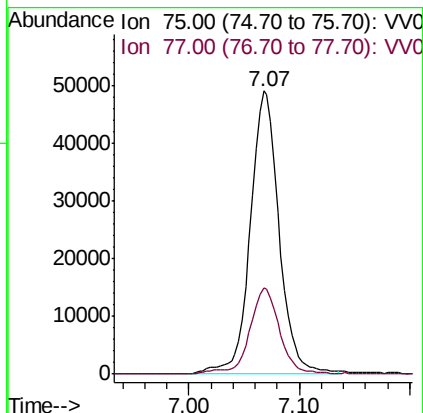
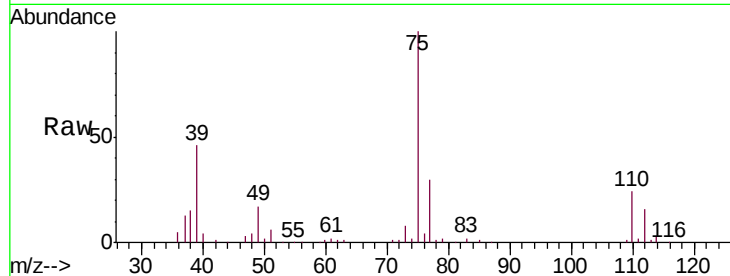


#42

cis-1,3-Dichloropropene
Concen: 24.059 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Instrument :
MSVOA_V
ClientSampled :
VSTD02570

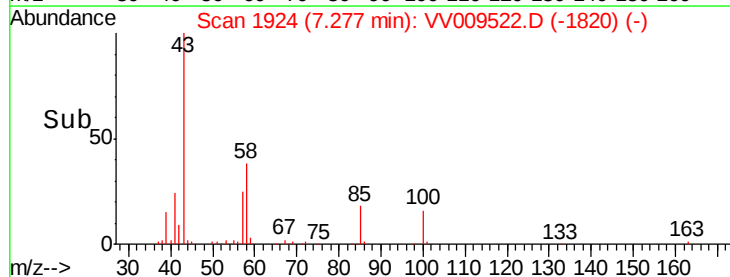
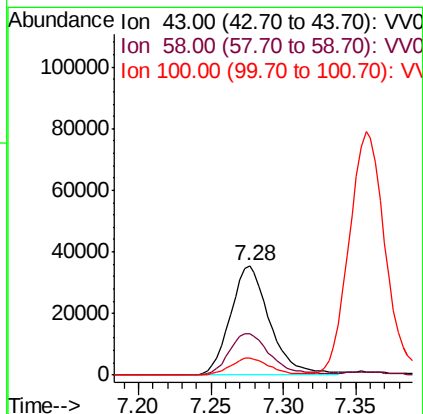
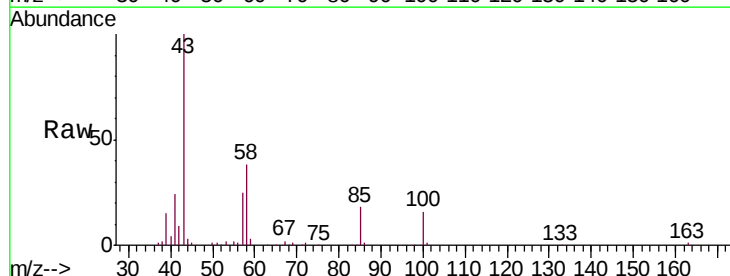
Tgt Ion: 75 Resp: 88862
Ion Ratio Lower Upper
75 100
77 30.5 21.4 39.8

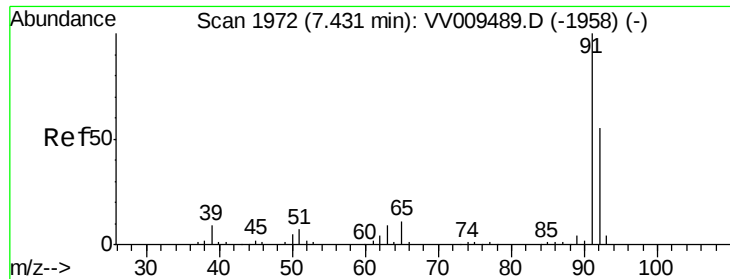


#43

4-Methyl-2-pentanone
Concen: 35.705 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 43 Resp: 66962
Ion Ratio Lower Upper
43 100
58 39.7 31.9 47.9
100 15.5 12.8 19.2





#44

Toluene

Concen: 23.491 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

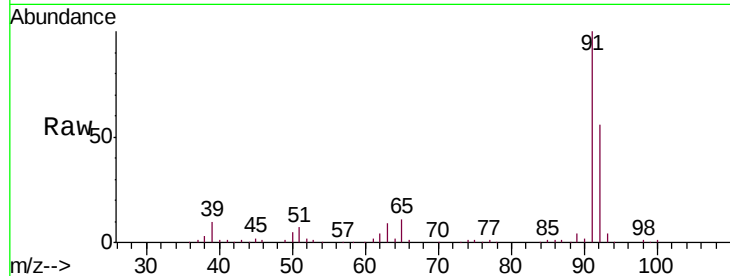
VSTD02570

Tgt Ion: 91 Resp: 245007

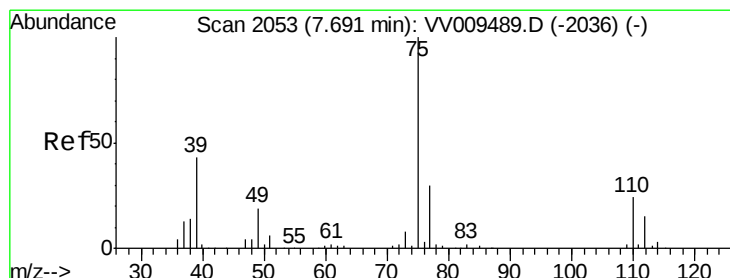
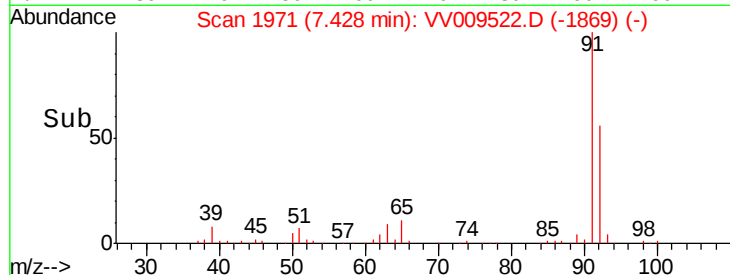
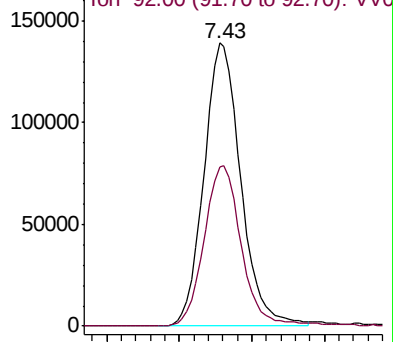
Ion Ratio Lower Upper

91 100

92 56.0 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009489.D (-1958) (-)



#45

trans-1,3-Dichloropropene

Concen: 22.745 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009522.D

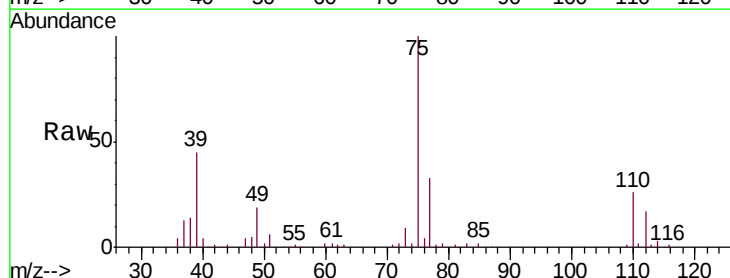
Acq: 07 Mar 2019 10:13

Tgt Ion: 75 Resp: 73369

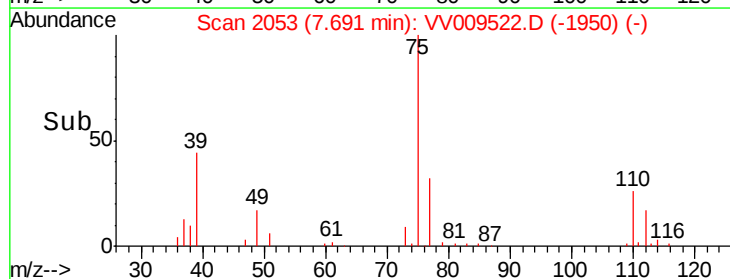
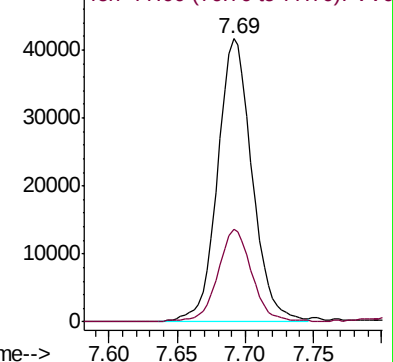
Ion Ratio Lower Upper

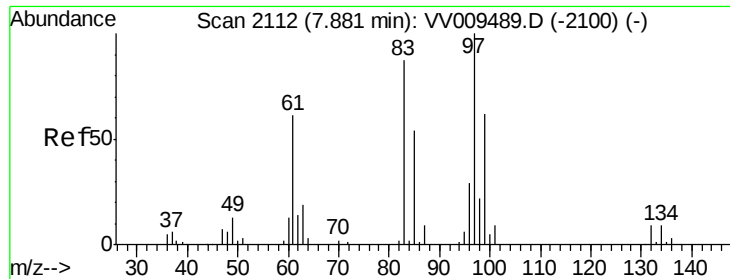
75 100

77 32.6 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009489.D (-2036) (-)

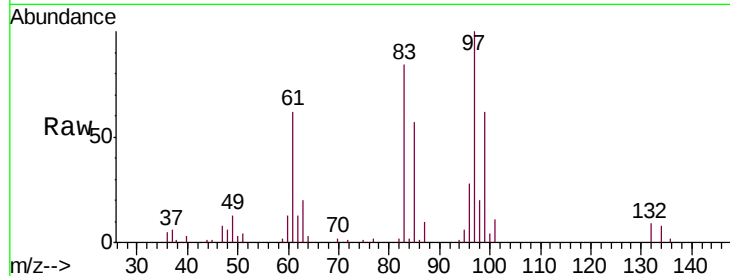




#46
 1,1,2-Trichloroethane
 Concen: 22.221 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:	97	Resp:	43922
Ion	Ratio	Lower	Upper
97	100		
83	84.1	63.8	118.6
85	56.6	39.5	73.4
99	62.4	45.9	85.3



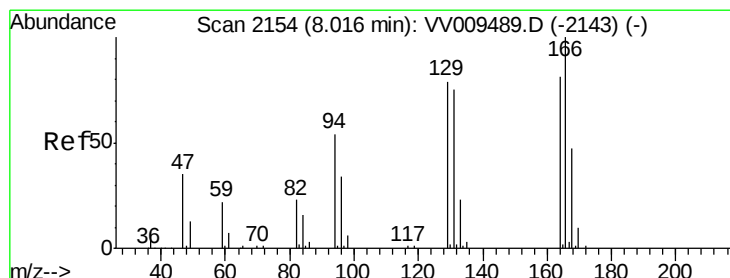
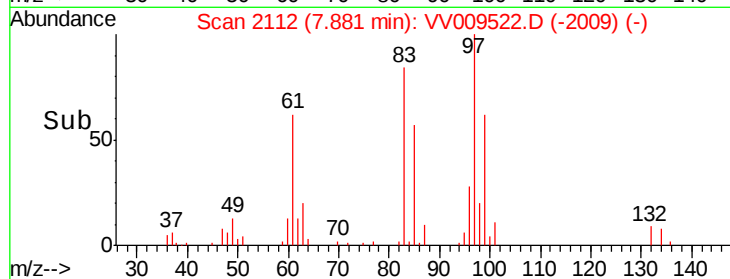
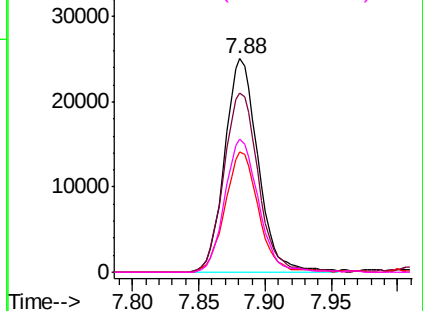
Abundance

Ion 97.00 (96.70 to 97.70): VV009522.D (-2099) (-)

Ion 83.00 (82.70 to 83.70): VV009522.D (-2099) (-)

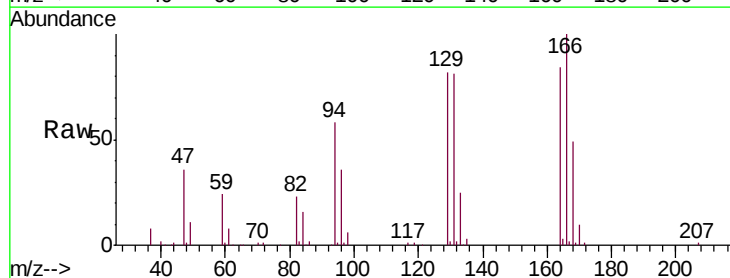
Ion 85.00 (84.70 to 85.70): VV009522.D (-2099) (-)

Ion 99.00 (98.70 to 99.70): VV009522.D (-2099) (-)



#47
 Tetrachloroethene
 Concen: 24.510 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion:	164	Resp:	49296
Ion	Ratio	Lower	Upper
164	100		
129	97.4	67.7	125.7
131	96.6	67.5	125.3
166	118.6	81.6	151.6



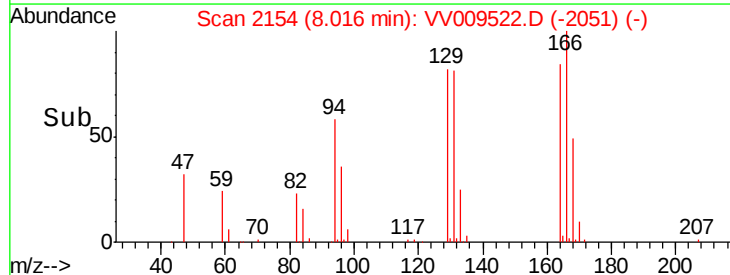
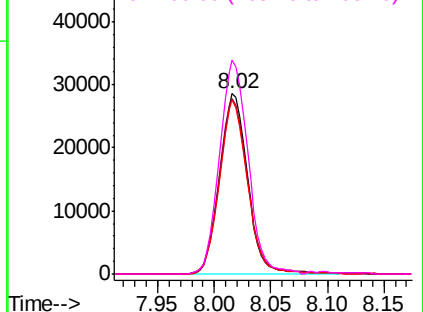
Abundance

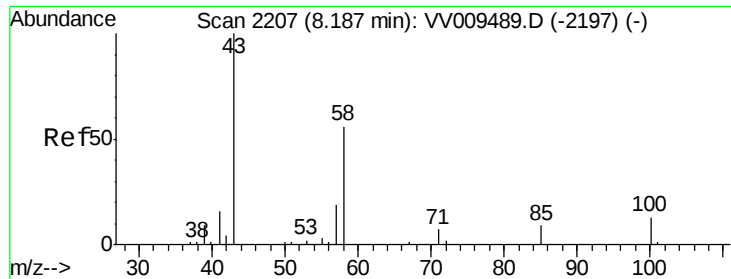
Ion 164.00 (163.70 to 164.70): VV009522.D (-2051) (-)

Ion 129.00 (128.70 to 129.70): VV009522.D (-2051) (-)

Ion 131.00 (130.70 to 131.70): VV009522.D (-2051) (-)

Ion 166.00 (165.70 to 166.70): VV009522.D (-2051) (-)

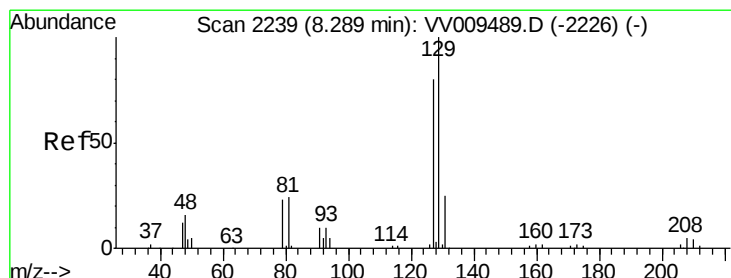
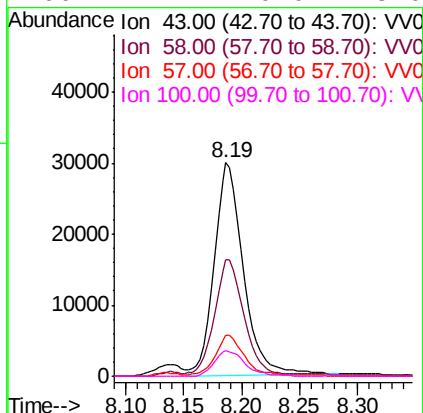
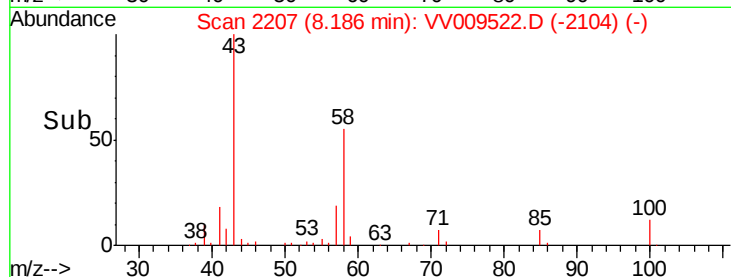
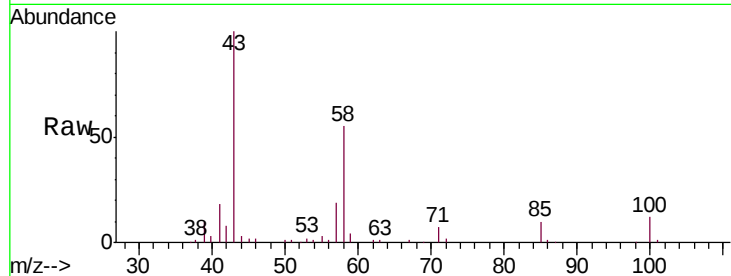




#49
2-Hexanone
Concen: 36.979 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

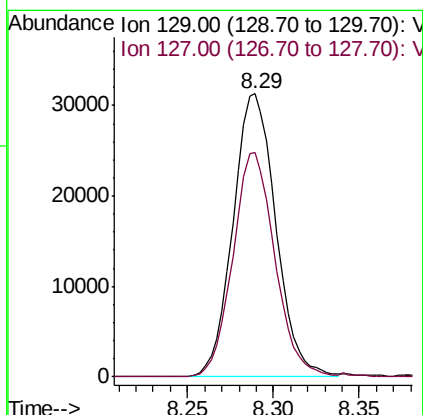
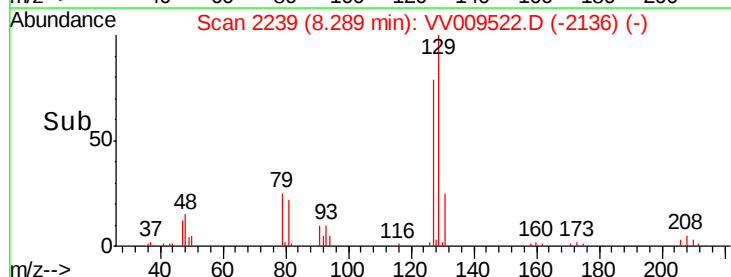
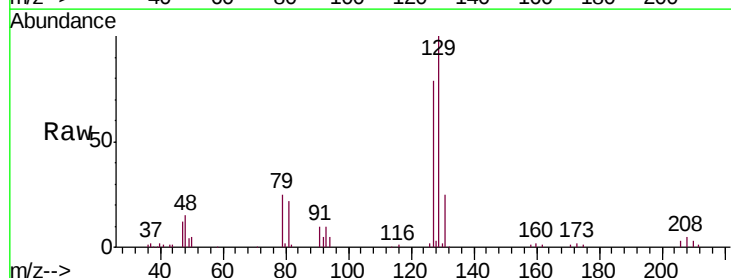
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

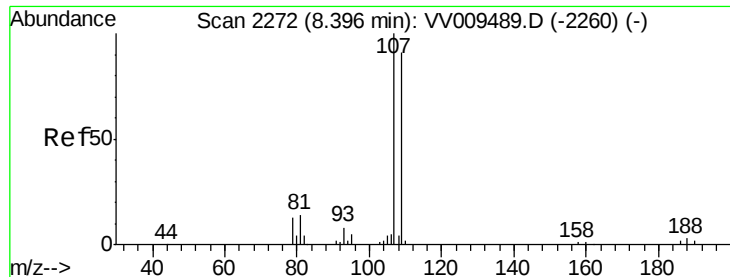
Tgt Ion: 43 Resp: 52442
Ion Ratio Lower Upper
43 100
58 53.7 46.3 69.5
57 19.5 15.8 23.6
100 12.7 10.0 15.0



#50
Dibromochloromethane
Concen: 22.633 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 129 Resp: 54159
Ion Ratio Lower Upper
129 100
127 79.5 53.7 99.7





#51

1,2-Dibromoethane

Concen: 21.567 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

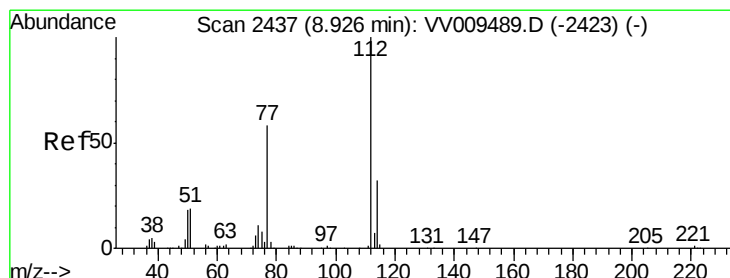
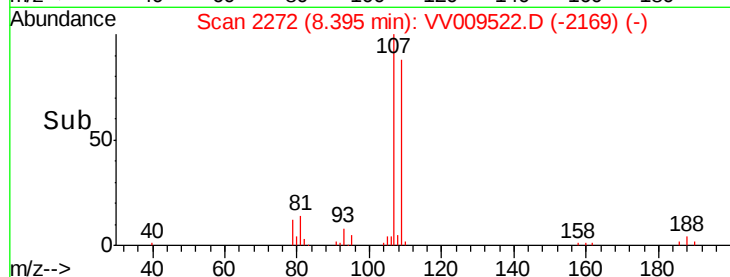
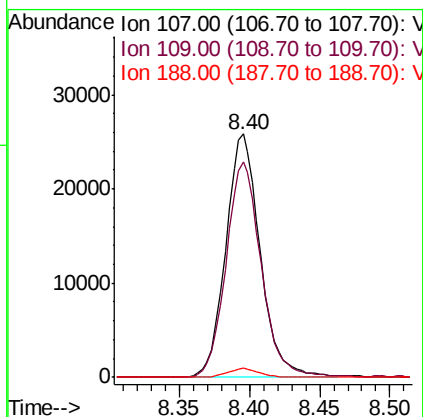
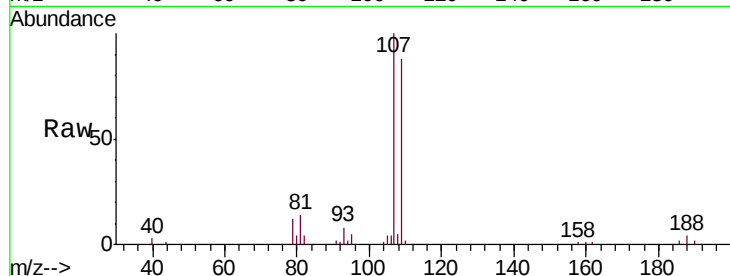
Tgt Ion:107 Resp: 44045

Ion Ratio Lower Upper

107 100

109 88.4 65.6 121.8

188 3.7 2.3 3.5#



#52

Chlorobenzene

Concen: 23.283 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

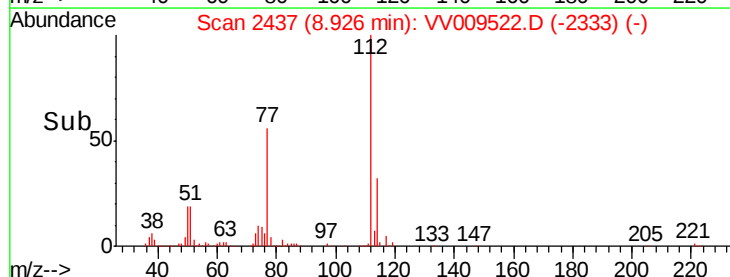
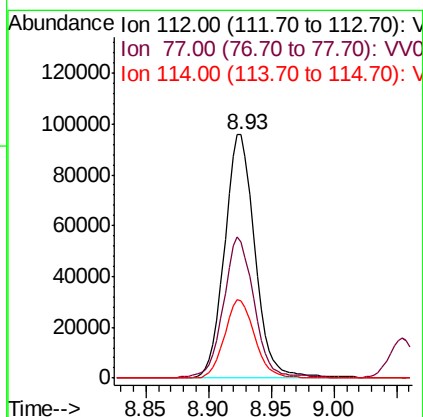
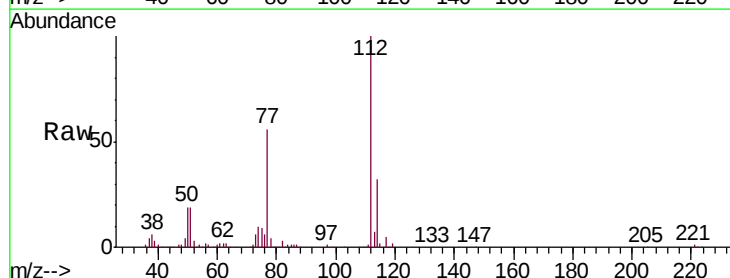
Tgt Ion:112 Resp: 160959

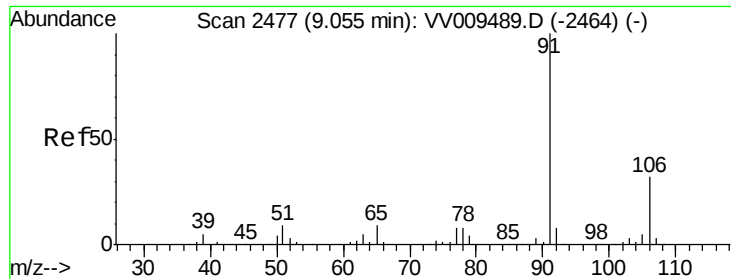
Ion Ratio Lower Upper

112 100

77 55.8 45.0 67.6

114 31.7 22.9 42.5

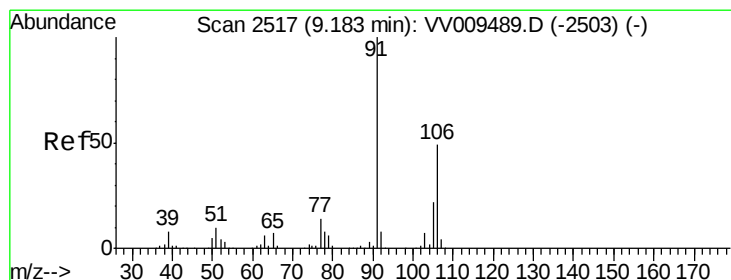
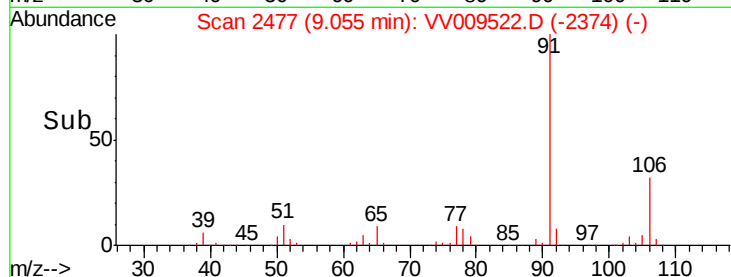
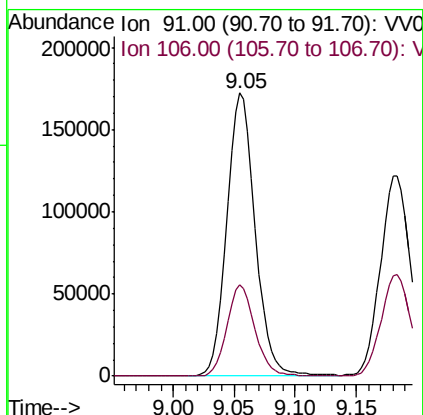
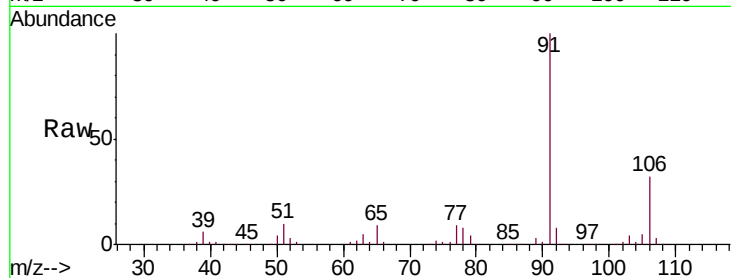




#53
Ethylbenzene
Concen: 23.564 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

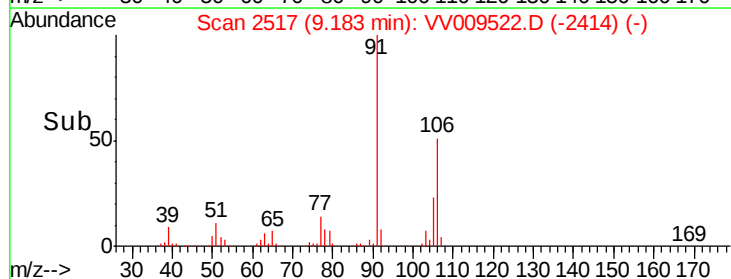
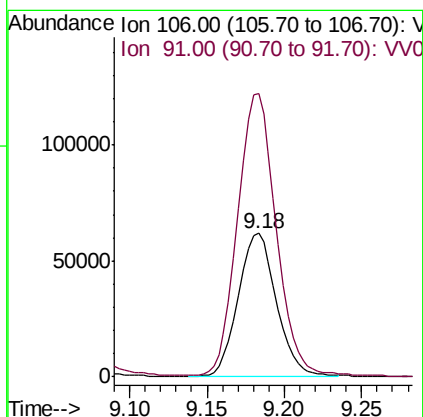
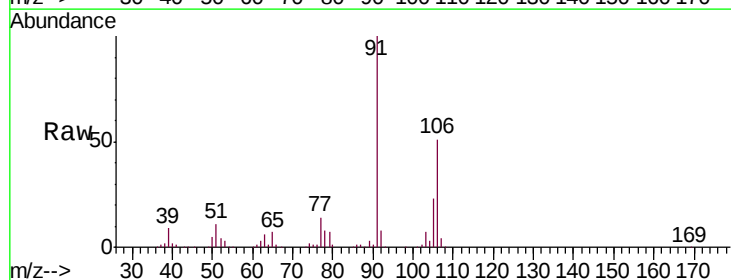
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

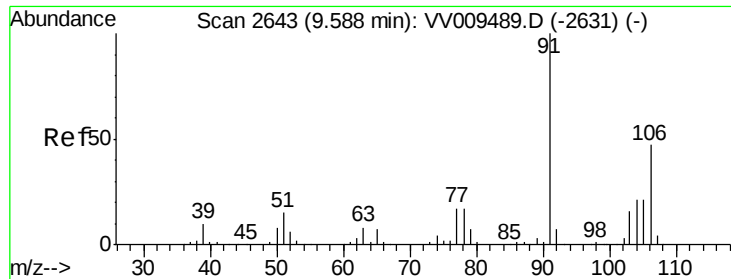
Tgt Ion: 91 Resp: 281234
Ion Ratio Lower Upper
91 100
106 32.1 23.0 42.6



#54
m,p-Xylene
Concen: 23.482 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009522.D
Acq: 07 Mar 2019 10:13

Tgt Ion: 106 Resp: 106074
Ion Ratio Lower Upper
106 100
91 197.1 138.5 257.1





#55

o-xylene

Concen: 23.911 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

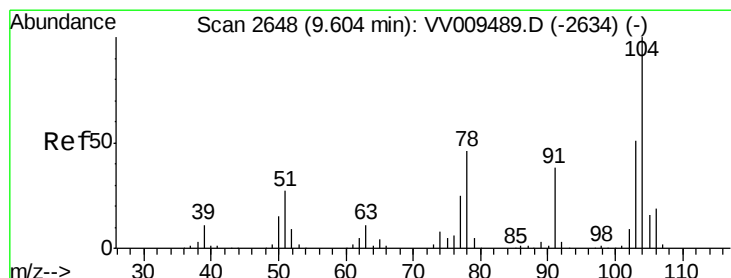
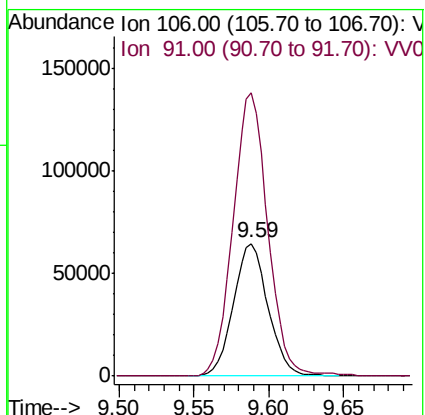
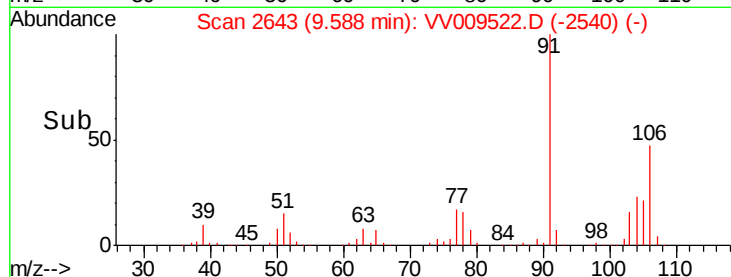
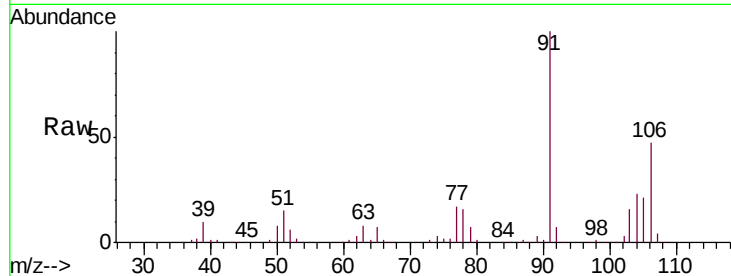
VSTD02570

Tgt Ion:106 Resp: 104151

Ion Ratio Lower Upper

106 100

91 213.2 143.8 267.0



#56

Styrene

Concen: 23.524 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009522.D

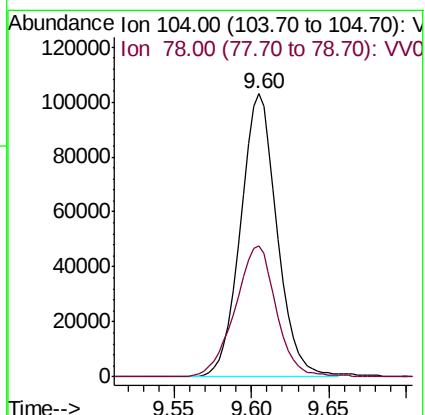
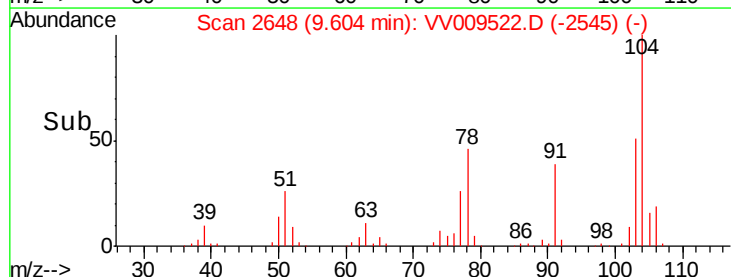
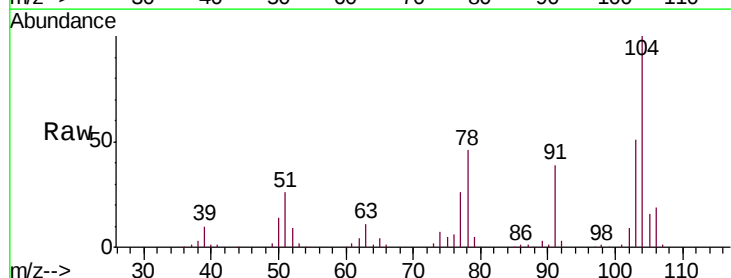
Acq: 07 Mar 2019 10:13

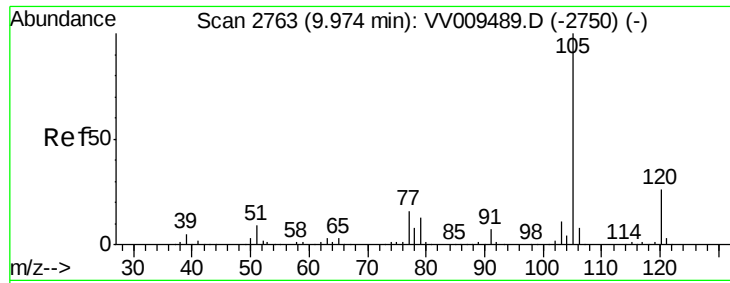
Tgt Ion:104 Resp: 168577

Ion Ratio Lower Upper

104 100

78 46.4 32.7 60.7





#57

Isopropylbenzene

Concen: 23.827 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

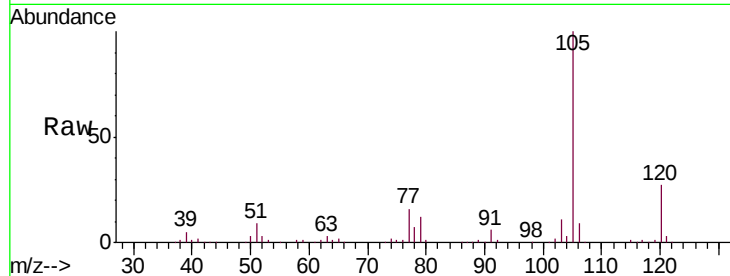
Tgt Ion: 105 Resp: 286268

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

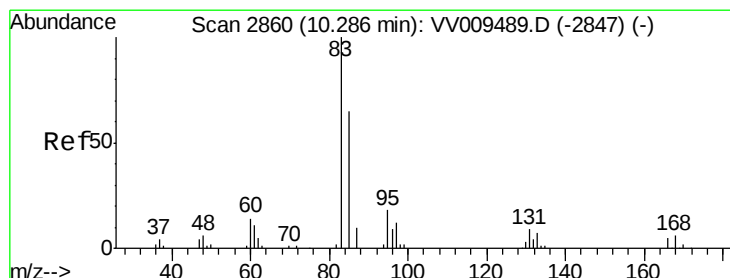
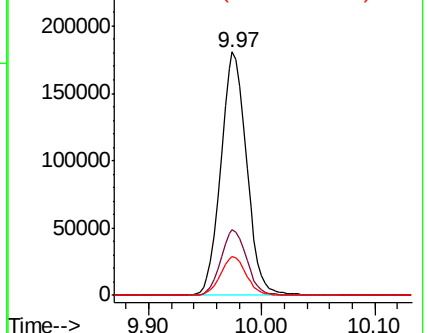
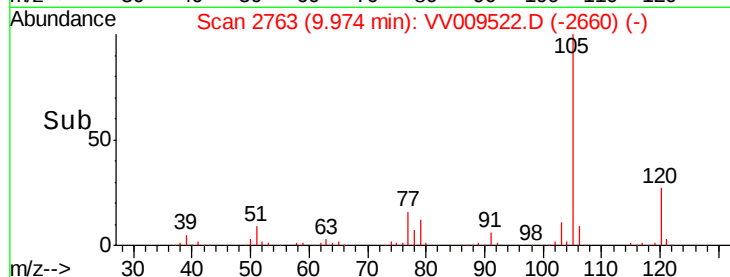
77 15.9 12.8 19.2



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: 20.274 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

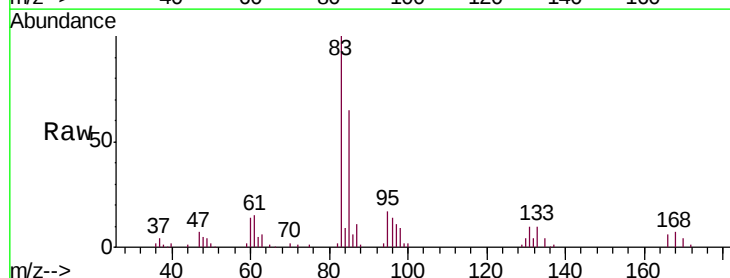
Tgt Ion: 83 Resp: 56583

Ion Ratio Lower Upper

83 100

85 65.3 44.7 83.1

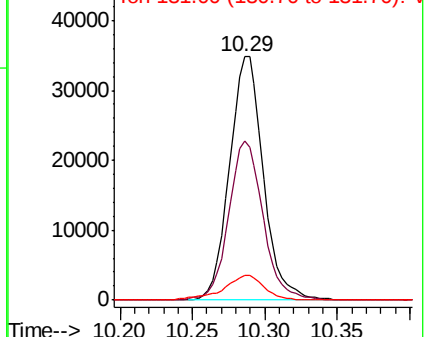
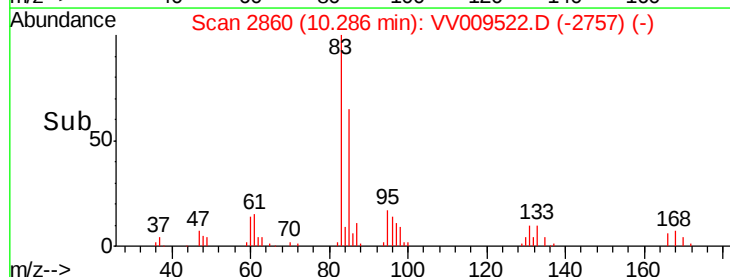
131 10.3 7.0 10.6

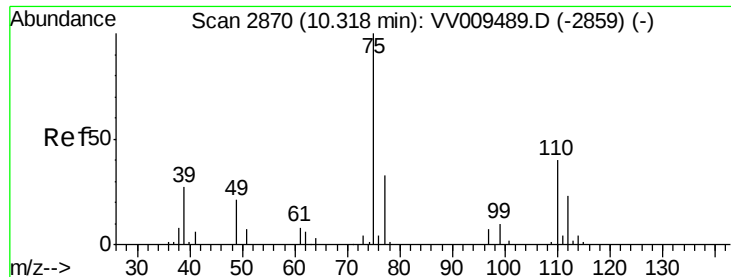


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

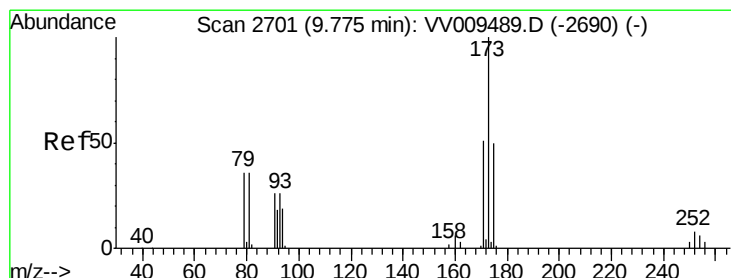
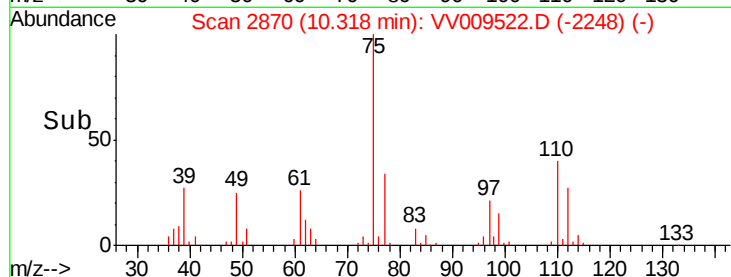
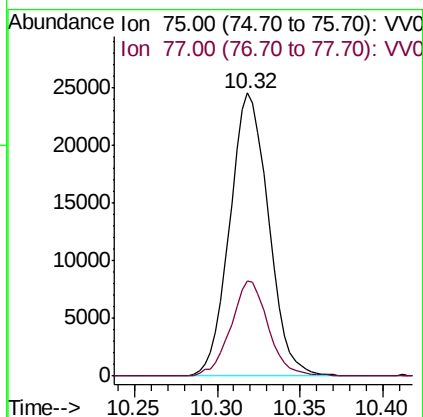
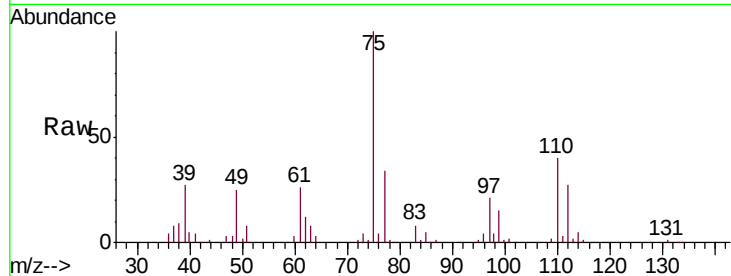




#59
 1,2,3-Trichloropropane
 Concen: 19.894 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

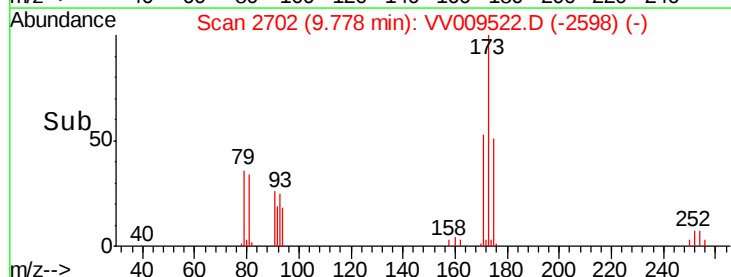
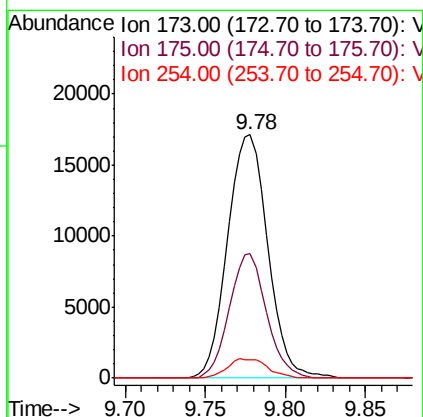
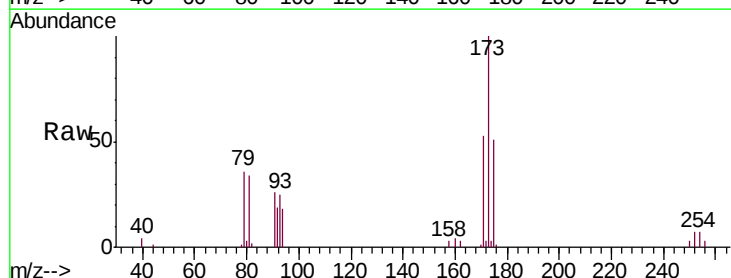
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

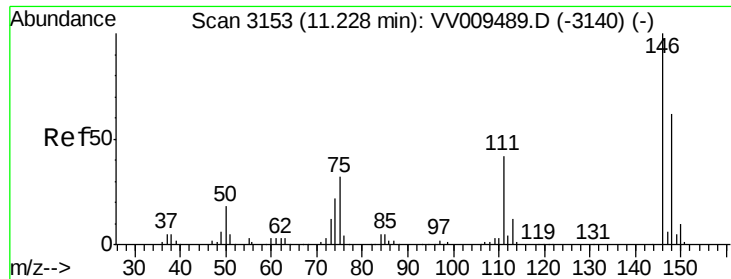
Tgt Ion: 75 Resp: 40024
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.9 38.9



#62
 Bromoform
 Concen: 21.622 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion: 173 Resp: 29383
 Ion Ratio Lower Upper
 173 100
 175 47.1 38.8 58.2
 254 7.9 5.8 8.8

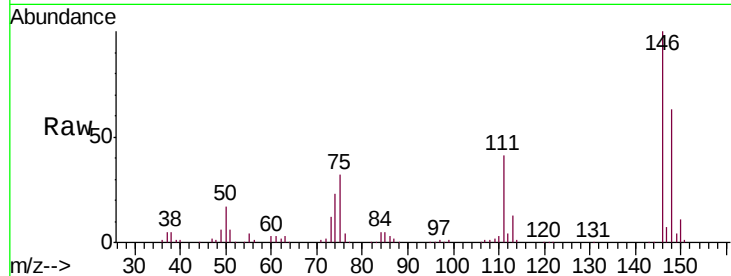




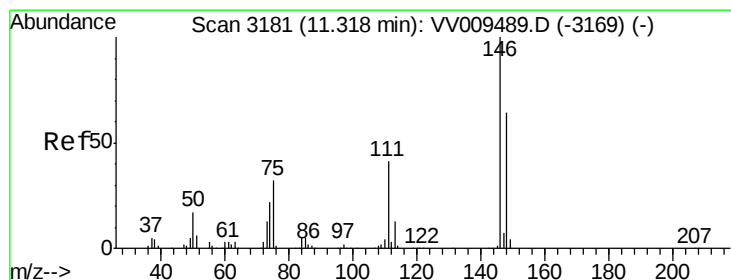
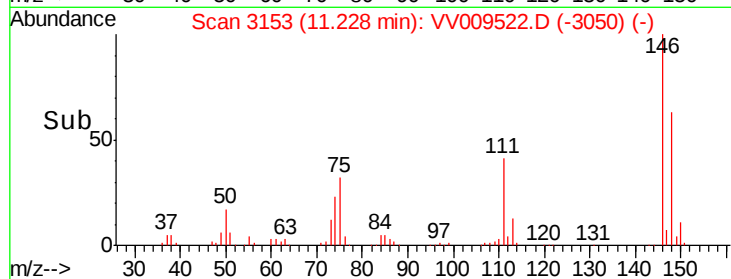
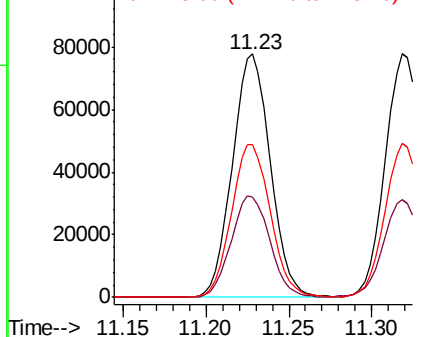
#63
 1,3-Dichlorobenzene
 Concen: 23.668 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:146 Resp: 123804
 Ion Ratio Lower Upper
 146 100
 111 41.4 29.6 55.0
 148 62.9 44.8 83.2

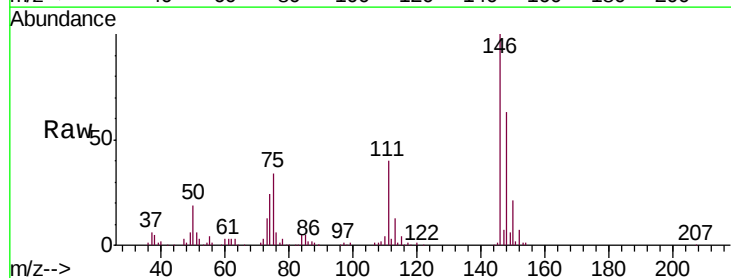


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

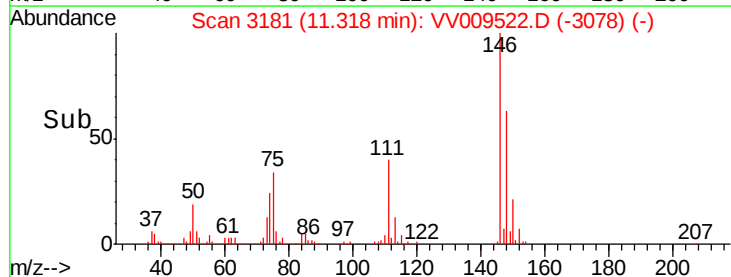
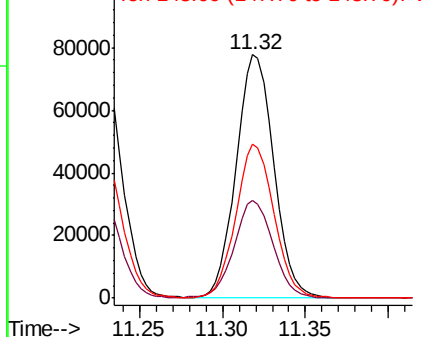


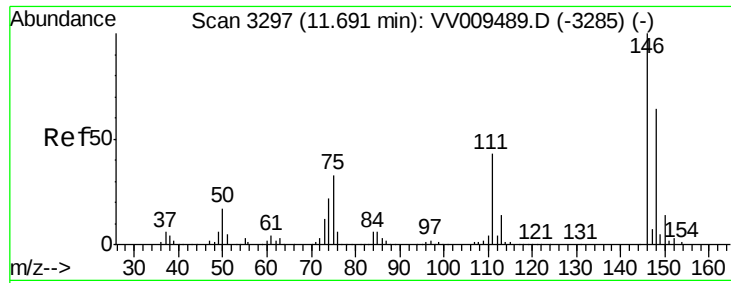
#64
 1,4-Dichlorobenzene
 Concen: 23.094 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion:146 Resp: 123442
 Ion Ratio Lower Upper
 146 100
 111 40.3 29.2 54.2
 148 63.2 43.0 79.8



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 23.655 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

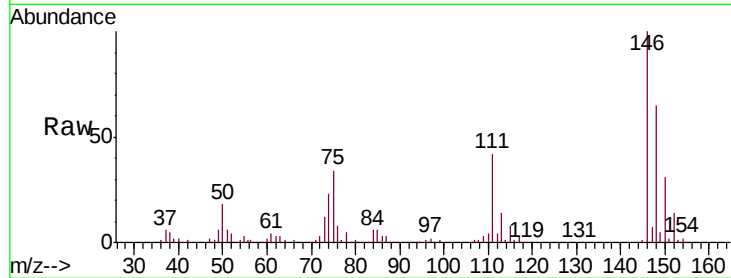
Tgt Ion: 146 Resp: 115391

Ion Ratio Lower Upper

146 100

111 42.5 35.4 53.0

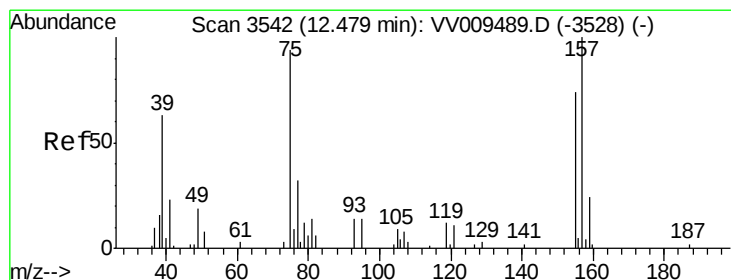
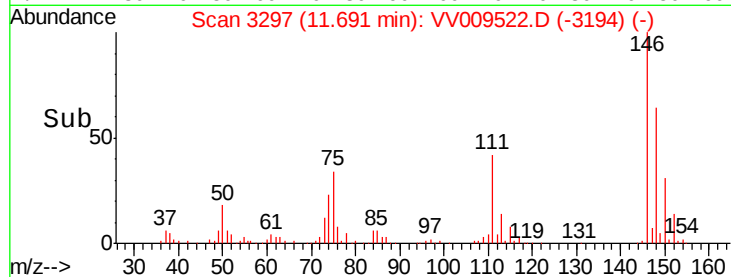
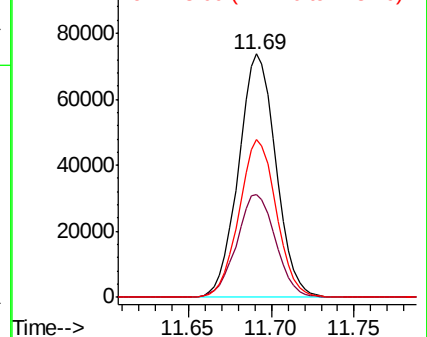
148 64.6 50.6 76.0



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



#66

1,2-Dibromo-3-chloropropane

Concen: 18.252 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

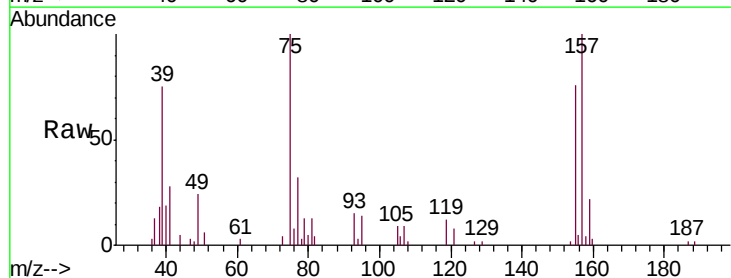
Tgt Ion: 75 Resp: 8918

Ion Ratio Lower Upper

75 100

157 100.4 81.0 121.4

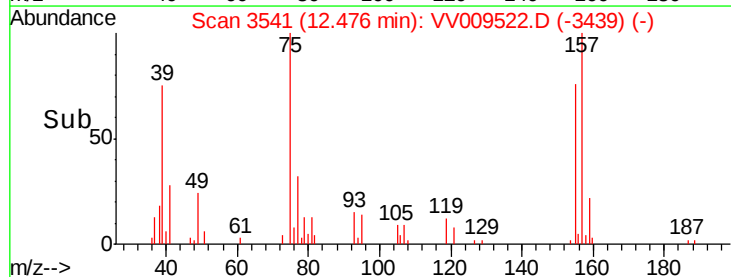
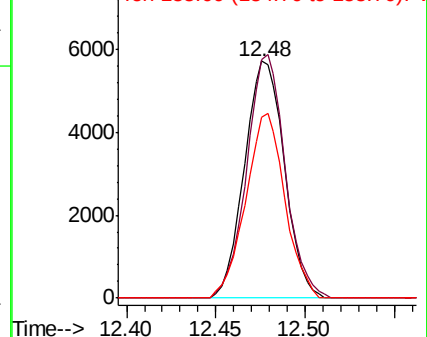
155 76.4 61.2 91.8

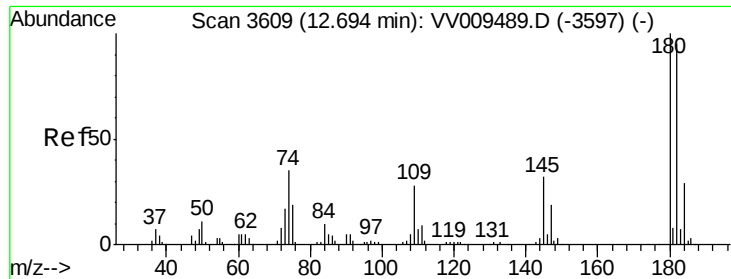


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

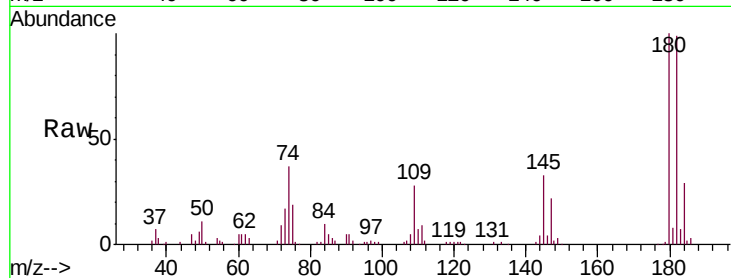




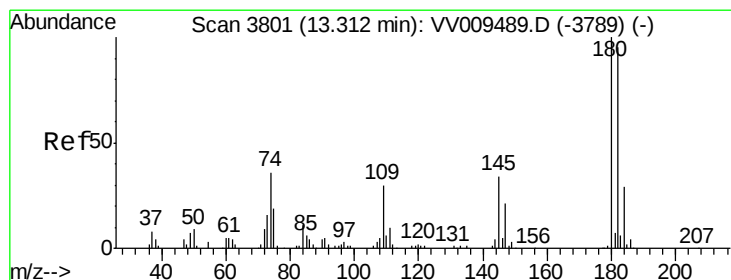
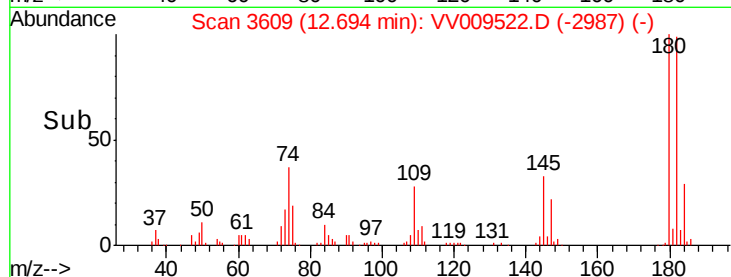
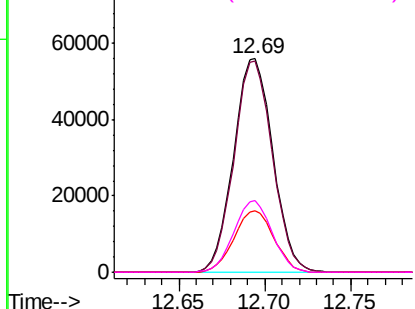
#67
 1,3,5-Trichlorobenzene
 Concen: 23.685 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:180 Resp: 88867
 Ion Ratio Lower Upper
 180 100
 182 96.7 75.4 113.2
 184 29.2 23.9 35.9
 145 32.7 26.0 39.0

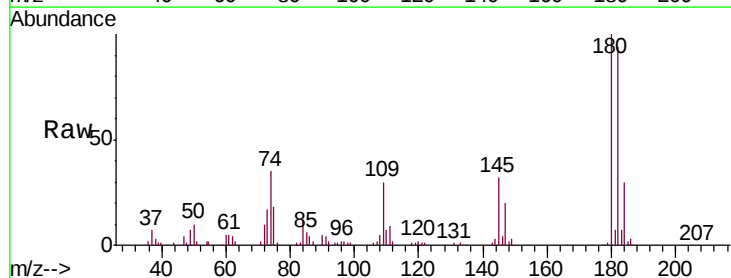


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

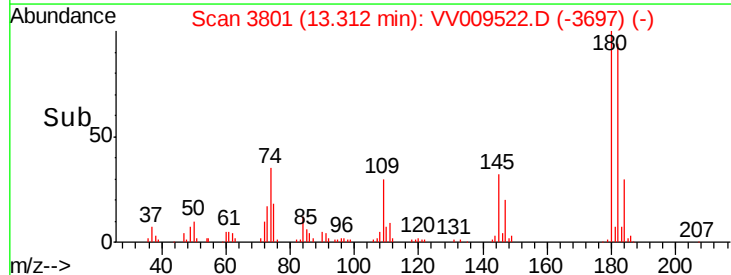
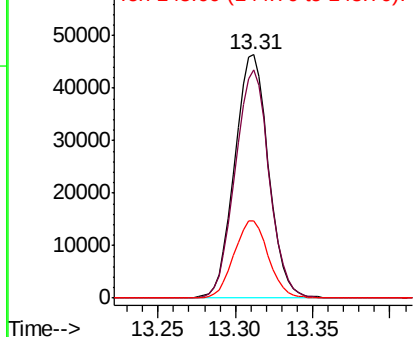


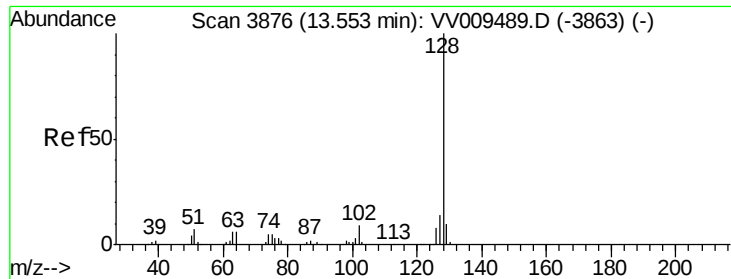
#68
 1,2,4-trichlorobenzene
 Concen: 23.491 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009522.D
 Acq: 07 Mar 2019 10:13

Tgt Ion:180 Resp: 70569
 Ion Ratio Lower Upper
 180 100
 182 94.1 75.9 113.9
 145 32.1 26.2 39.4



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: 19.728 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

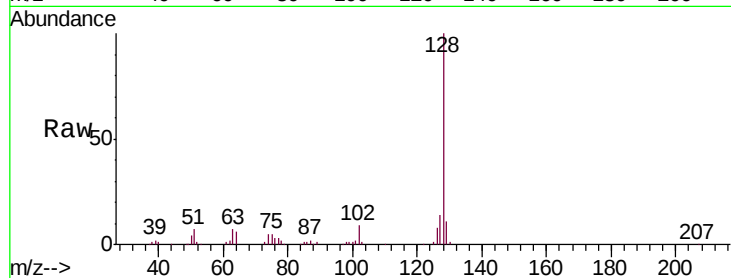
Tgt Ion:128 Resp: 124830

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

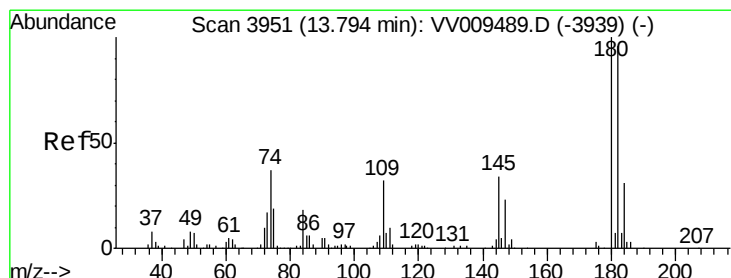
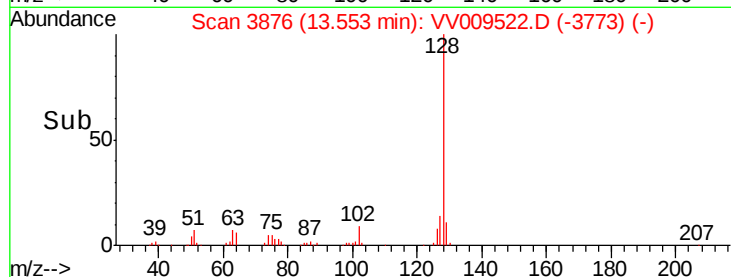
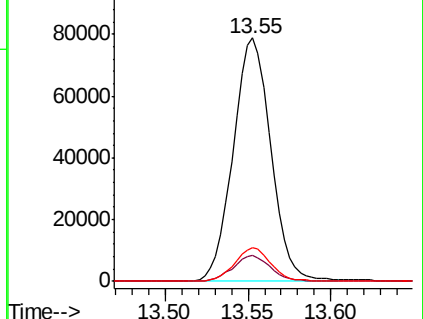
127 13.3 10.6 16.0



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: 22.971 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009522.D

Acq: 07 Mar 2019 10:13

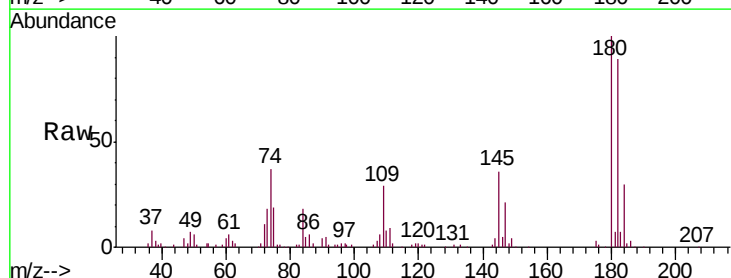
Tgt Ion:180 Resp: 63484

Ion Ratio Lower Upper

180 100

182 92.3 74.2 111.2

145 34.9 27.7 41.5



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

