

Data File : VV009520.D
Acq On : 06 Mar 2019 16:46
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

Quant Time: Mar 07 02:57:05 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	182982	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	169257	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	81787	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54713	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.36%
7) Chloroethane-d5	1.58	69	93045	29.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.84%
10) 1,1-Dichloroethene-d2	2.13	63	141753	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.92%
20) 2-Butanone-d5	3.94	46	26613	35.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.92%
24) Chloroform-d	4.40	84	107199	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	5.08	65	59119	23.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.36%
29) Benzene-d6	5.10	84	221343	26.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.60%
33) 1,2-Dichloropropane-d6	6.12	67	64885	26.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.92%
37) Toluene-d8	7.36	98	214600	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.04%
38) trans-1,3-Dichloropropene-	7.66	79	28029	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.52%
39) 2-Hexanone-d5	8.13	63	21198	36.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57605	21.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	74000	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	50387	23.915 ug/L	99
3) Chloromethane	1.25	50	54607	24.319 ug/L	100
5) Vinyl chloride	1.32	62	62935	25.423 ug/L	98
6) Bromomethane	1.53	94	75056	24.355 ug/L	98
8) Chloroethane	1.60	64	78902	28.682 ug/L	99
9) Trichlorofluoromethane	1.76	101	129170	25.437 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	72036	25.334 ug/L	97
12) 1,1-Dichloroethene	2.14	96	61526	25.291 ug/L	91
13) Acetone	2.20	43	27490	36.022 ug/L	98
14) Carbon disulfide	2.31	76	155841	25.273 ug/L	100
15) Methyl Acetate	2.46	43	22348	18.083 ug/L	97
16) Methylene chloride	2.53	84	55042	22.921 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	122620	22.508 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	56411	25.815 ug/L	100
19) 1,1-Dichloroethane	3.23	63	98533	25.591 ug/L	99
21) 2-Butanone	4.03	43	33358	34.634 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	63185	25.613 ug/L	95

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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)
23) Bromochloromethane	4.30	128	27341	24.036	ug/L	96
25) Chloroform	4.42	83	112594	26.203	ug/L	99
27) 1,2-Dichloroethane	5.18	62	73565	24.651	ug/L	99
30) Cyclohexane	4.72	56	94181	26.219	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	98758	26.101	ug/L	99
32) Carbon tetrachloride	4.87	117	84072	26.282	ug/L	100
34) Benzene	5.14	78	233228	26.668	ug/L	100
35) Trichloroethene	5.96	95	65631	26.112	ug/L	98
36) Methylcyclohexane	6.17	83	107585	26.276	ug/L	97
40) 1,2-Dichloropropane	6.22	63	58041	25.739	ug/L	99
41) Bromodichloromethane	6.55	83	79566	26.141	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	93923	26.828	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	67544	37.997	ug/L	99
44) Toluene	7.43	91	259857	26.286	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	77749	25.429	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	46481	24.810	ug/L	97
47) Tetrachloroethene	8.02	164	51135	26.823	ug/L	96
49) 2-Hexanone	8.19	43	54061	40.218	ug/L	96
50) Dibromochloromethane	8.29	129	54734	24.131	ug/L	96
51) 1,2-Dibromoethane	8.40	107	45560	23.537	ug/L	96
52) Chlorobenzene	8.92	112	168966	25.786	ug/L	99
53) Ethylbenzene	9.05	91	294699	26.050	ug/L	97
54) m,p-Xylene	9.18	106	113646	26.543	ug/L	94
55) o-xylene	9.59	106	107948	26.146	ug/L	94
56) Styrene	9.60	104	179958	26.494	ug/L	98
57) Isopropylbenzene	9.97	105	301217	26.451	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	59014	22.308	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	40920	21.458	ug/L	100
62) Bromoform	9.77	173	29958	22.572	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	131563	25.753	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	128997	24.710	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	121514	25.505	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9254	19.393	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	94236	25.716	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	73888	25.184	ug/L	99
69) Naphthalene	13.55	128	130479	21.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	66285	24.558	ug/L	98

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

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MSVOA_V
ClientSampleId :
VSTD02569

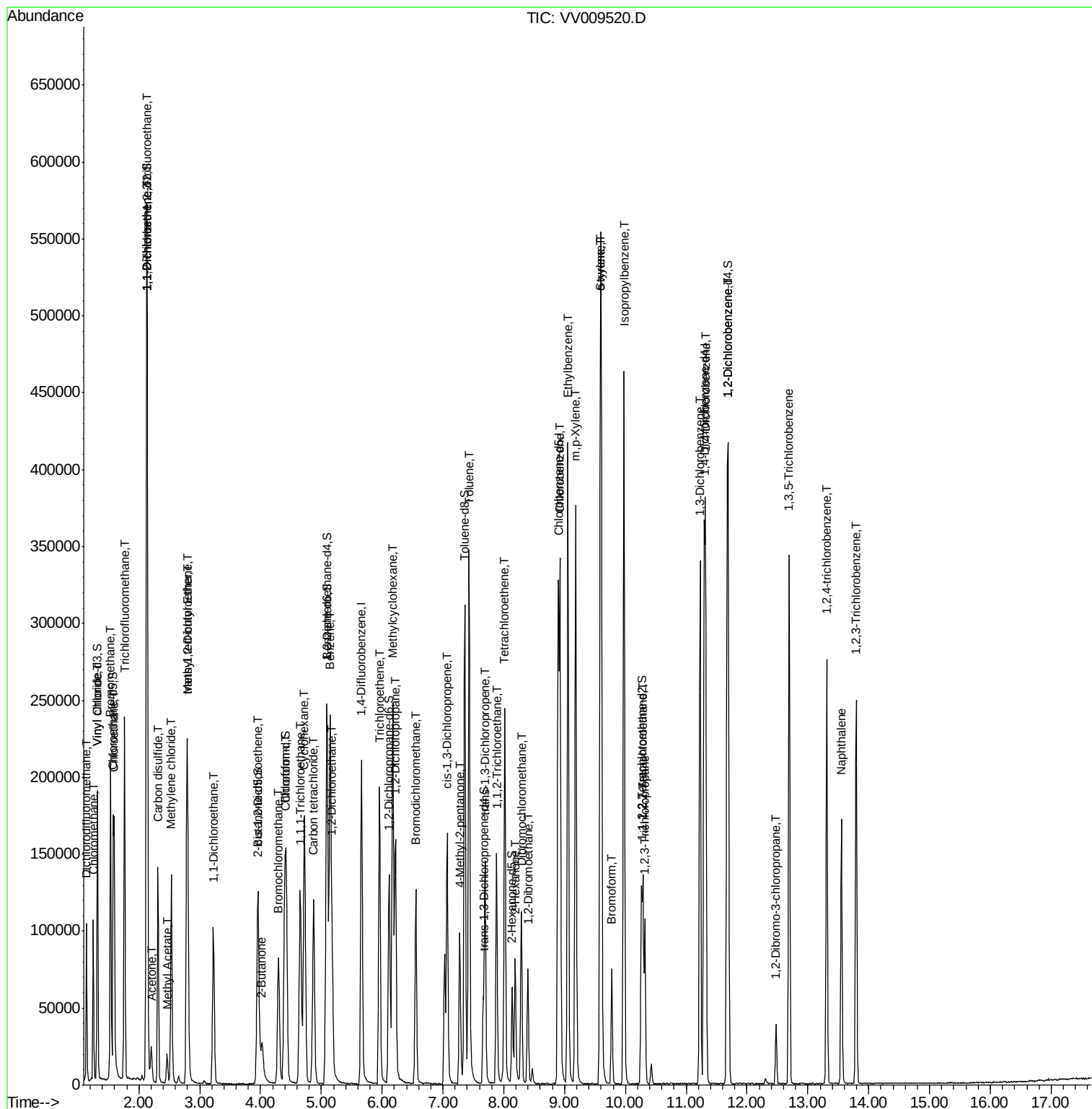
Quant Time: Mar 07 02:57:05 2019

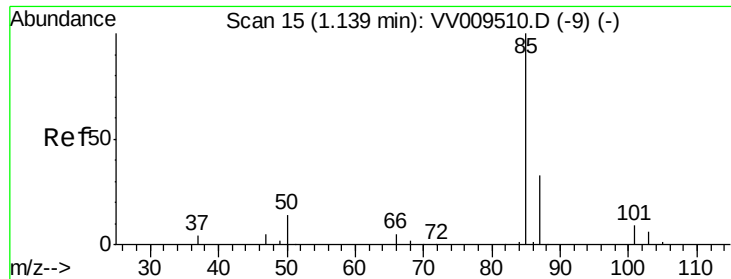
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

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

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.915 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

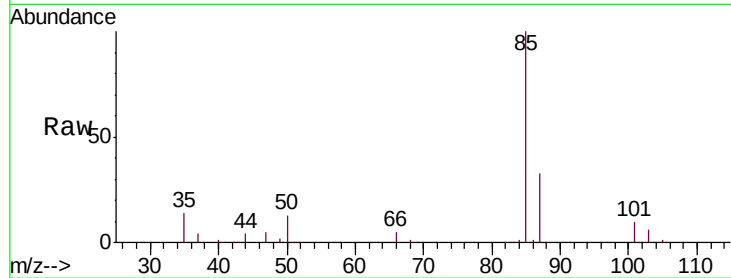
VSTD02569

Tgt Ion: 85 Resp: 50387

Ion Ratio Lower Upper

85 100

87 33.1 23.4 43.4

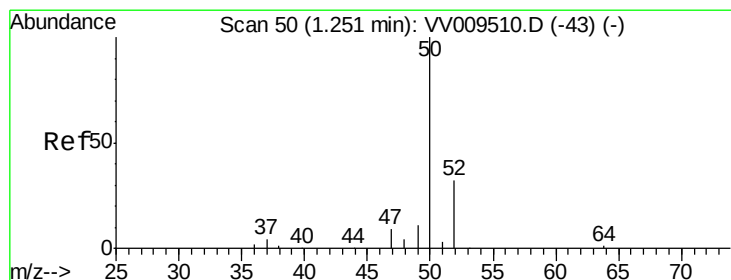
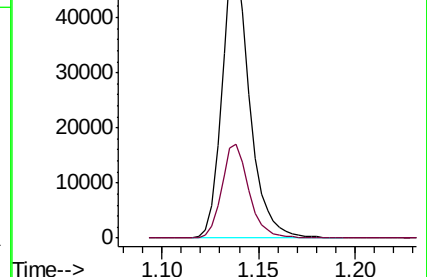
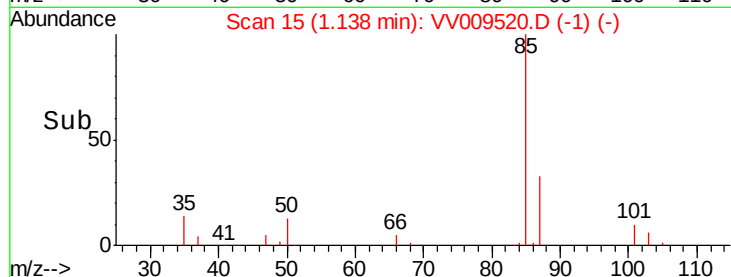


Abundance Ion 85.00 (84.70 to 85.70): VV009510.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009510.D (-9) (-)

1.14

Time-->



#3

Chloromethane

Concen: 24.319 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009520.D

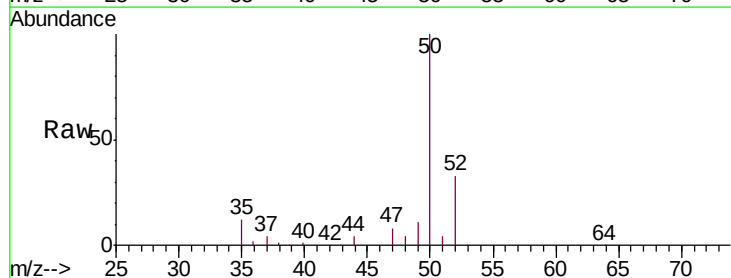
Acq: 06 Mar 2019 16:46

Tgt Ion: 50 Resp: 54607

Ion Ratio Lower Upper

50 100

52 33.3 23.1 42.9

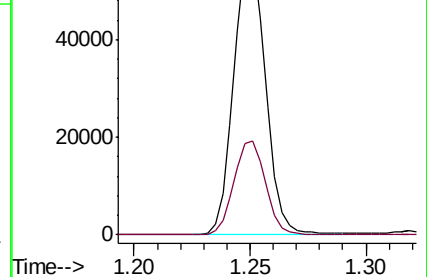
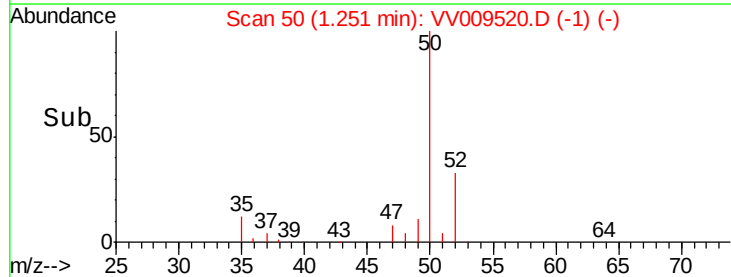


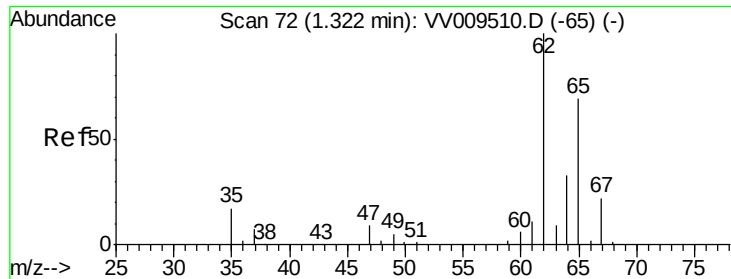
Abundance Ion 50.00 (49.70 to 50.70): VV009510.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009510.D (-43) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 25.423 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

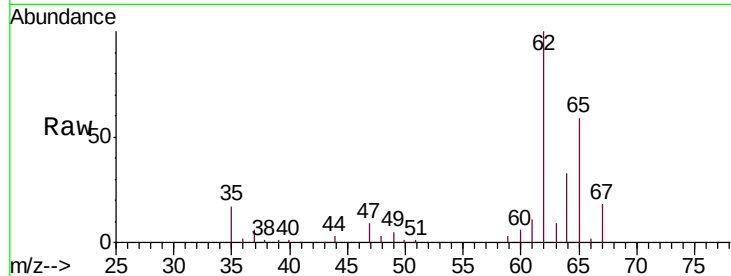
VSTD02569

Tgt Ion: 62 Resp: 62935

Ion Ratio Lower Upper

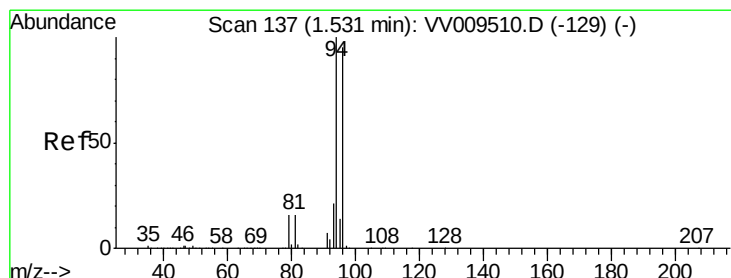
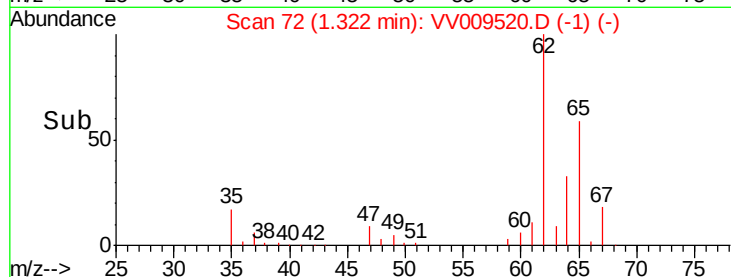
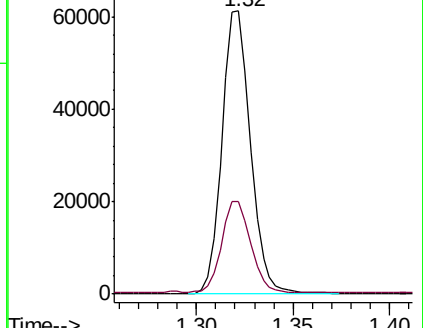
62 100

64 32.7 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009510.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009510.D (-65) (-)



#6

Bromomethane

Concen: 24.355 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009520.D

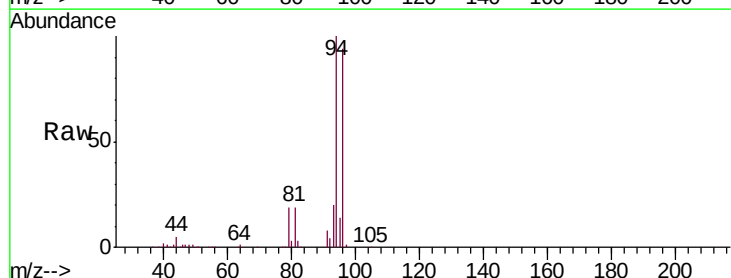
Acq: 06 Mar 2019 16:46

Tgt Ion: 94 Resp: 75056

Ion Ratio Lower Upper

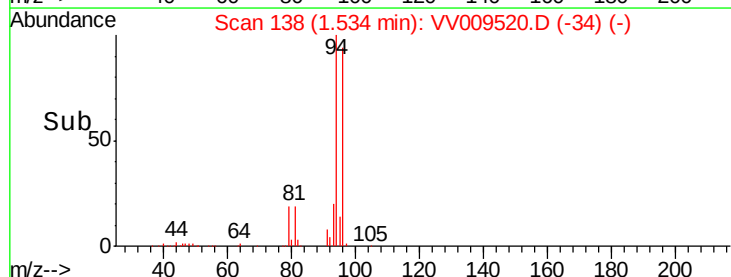
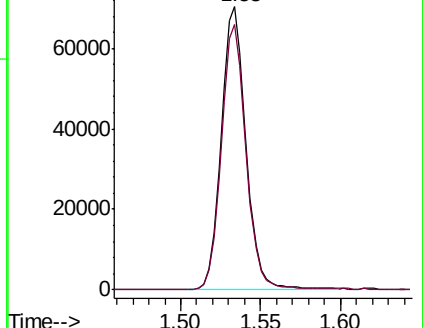
94 100

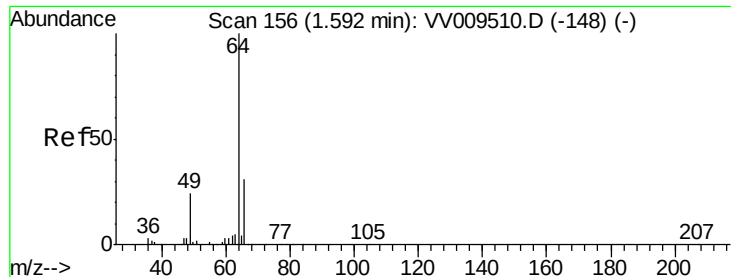
96 93.1 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009510.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV009510.D (-129) (-)





#8

Chloroethane

Concen: 28.682 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

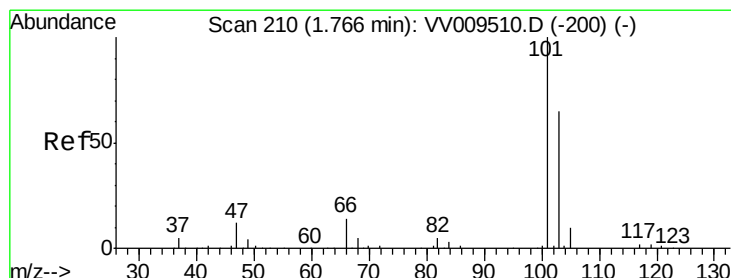
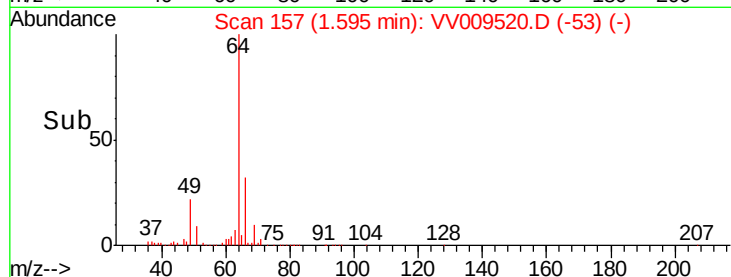
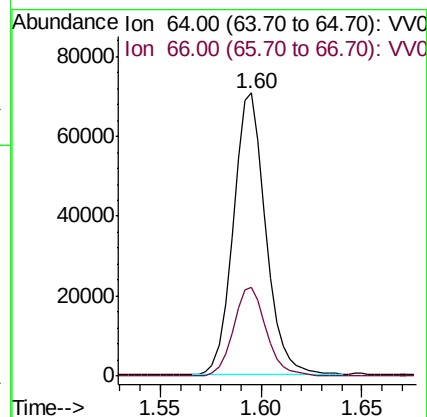
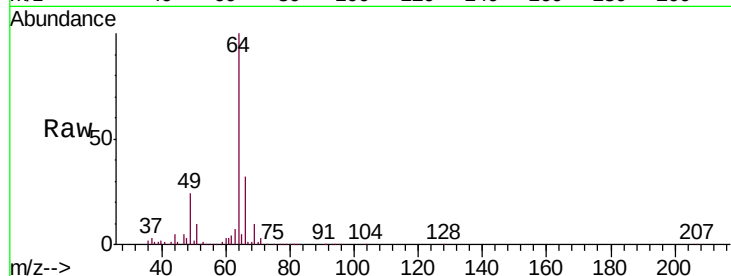
VSTD02569

Tgt Ion: 64 Resp: 78902

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.6



#9

Trichlorofluoromethane

Concen: 25.437 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009520.D

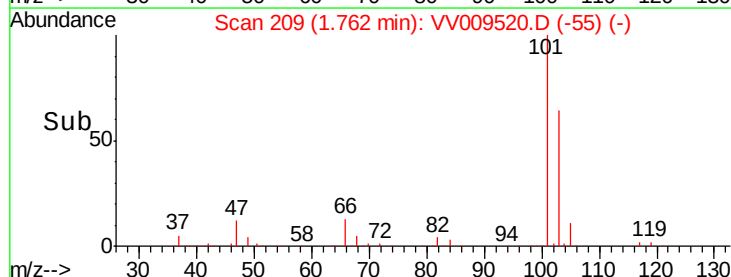
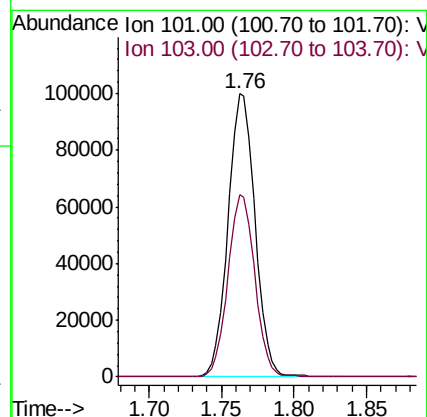
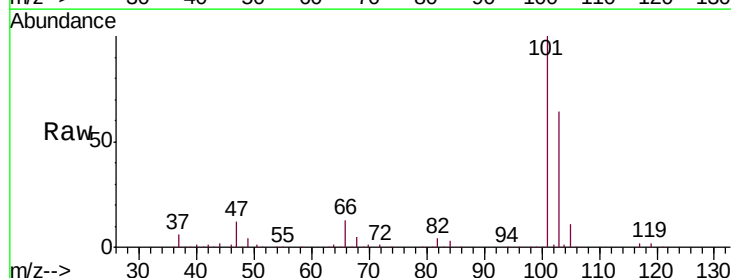
Acq: 06 Mar 2019 16:46

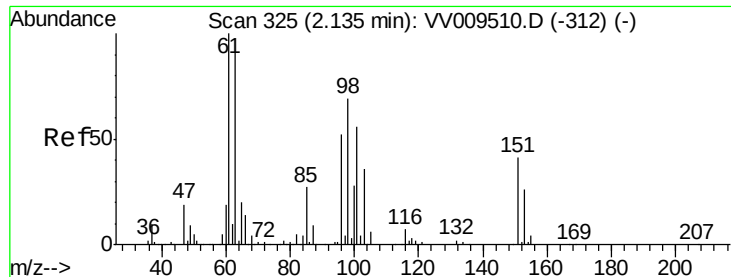
Tgt Ion: 101 Resp: 129170

Ion Ratio Lower Upper

101 100

103 64.1 44.7 83.1





#11

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

Concen: 25.334 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

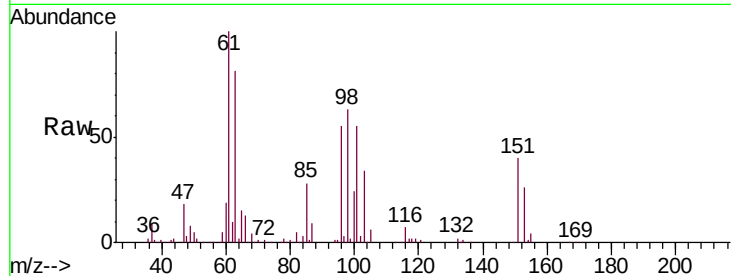
Tgt Ion: 101 Resp: 72036

Ion Ratio Lower Upper

101 100

85 49.4 40.1 60.1

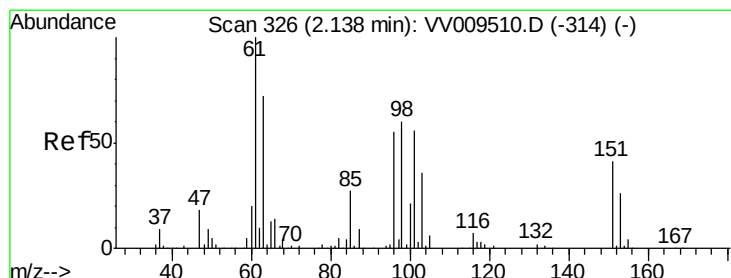
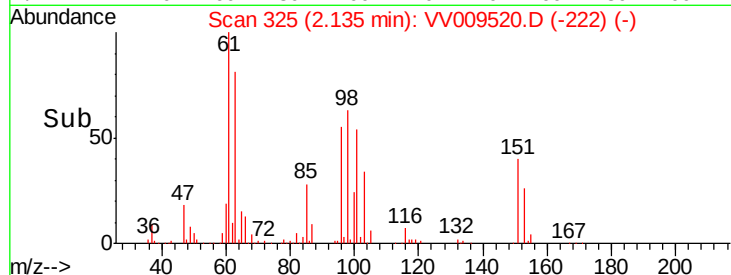
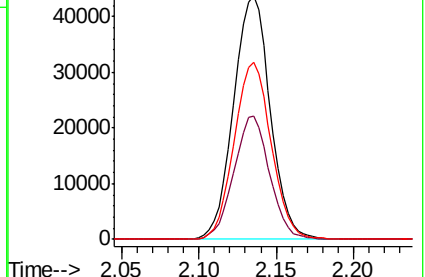
151 73.6 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009520.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009520.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009520.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 25.291 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

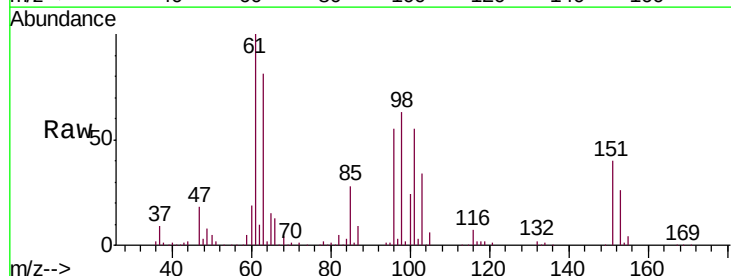
Tgt Ion: 96 Resp: 61526

Ion Ratio Lower Upper

96 100

61 180.7 136.9 254.3

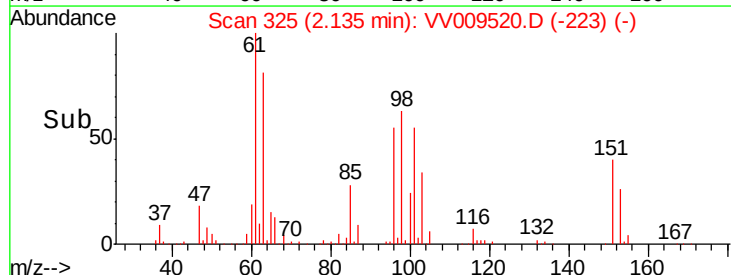
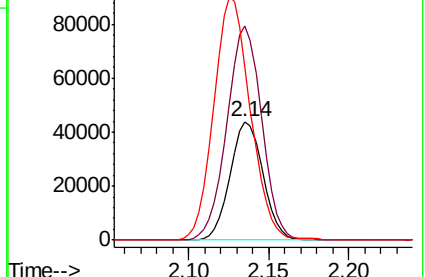
63 146.4 108.7 201.9

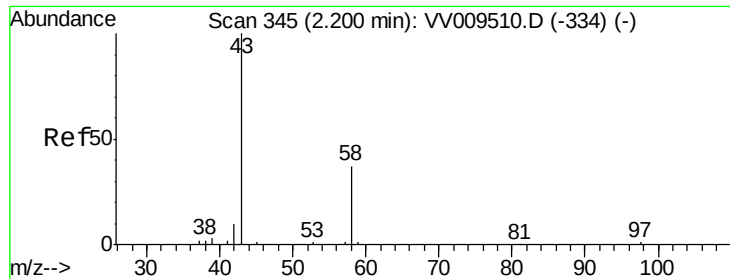


Abundance Ion 96.00 (95.70 to 96.70): VV009520.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV009520.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV009520.D (-223) (-)





#13

Acetone

Concen: 36.022 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

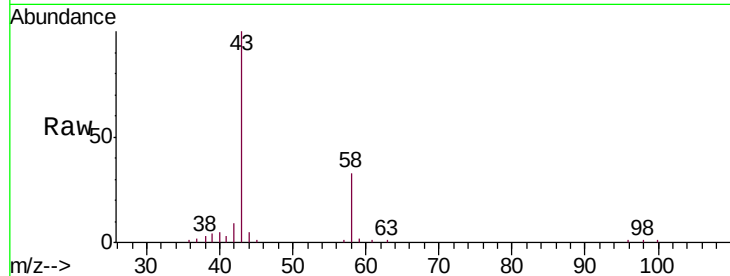
VSTD02569

Tgt Ion: 43 Resp: 27490

Ion Ratio Lower Upper

43 100

58 35.4 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009520.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009520.D (-242) (-)

2.20

15000

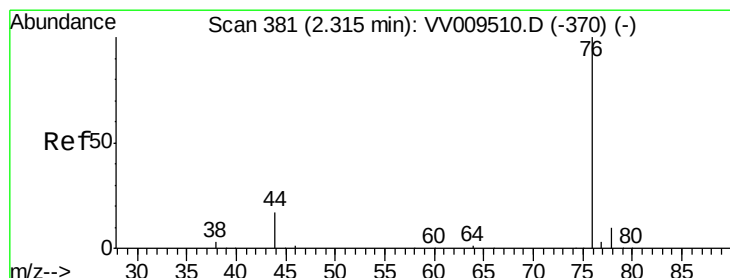
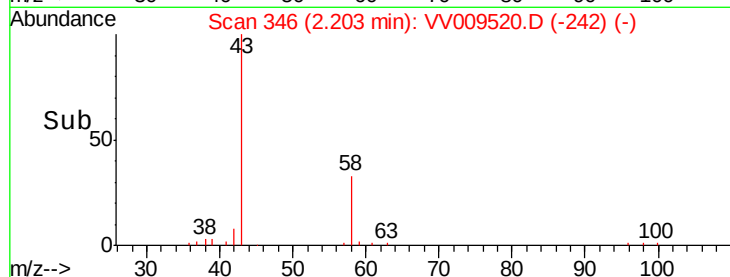
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 25.273 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009520.D

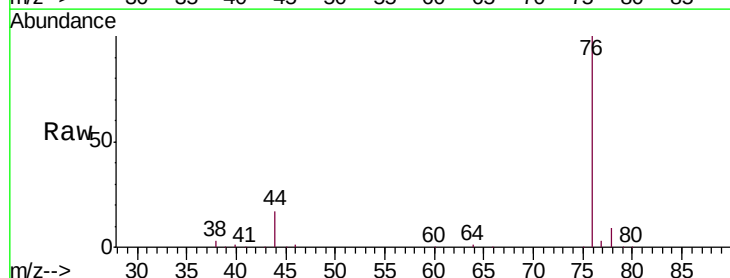
Acq: 06 Mar 2019 16:46

Tgt Ion: 76 Resp: 155841

Ion Ratio Lower Upper

76 100

78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009520.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV009520.D (-226) (-)

2.31

120000

100000

80000

60000

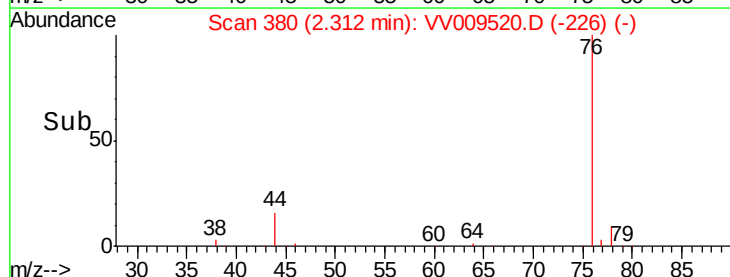
40000

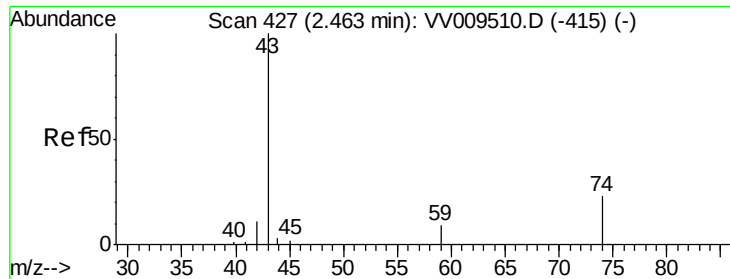
20000

0

2.25 2.30 2.35 2.40

Time-->

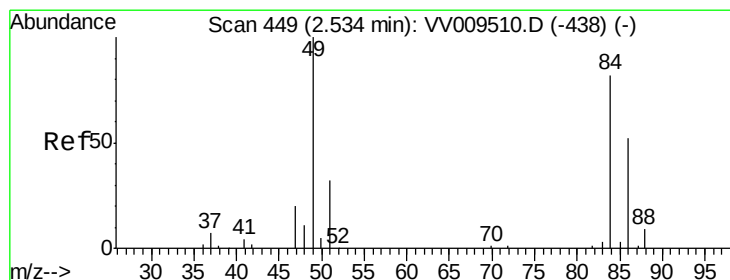
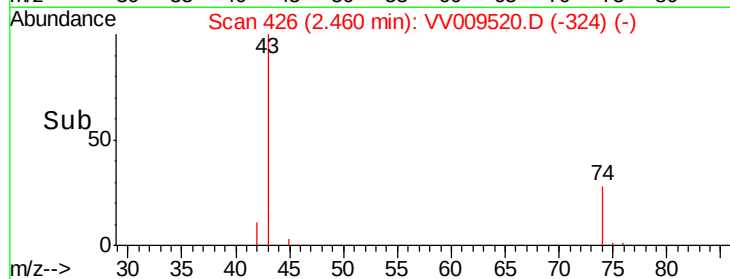
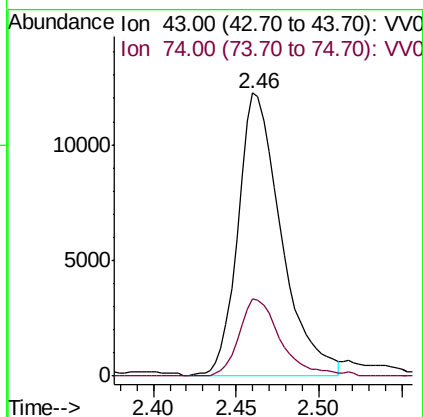
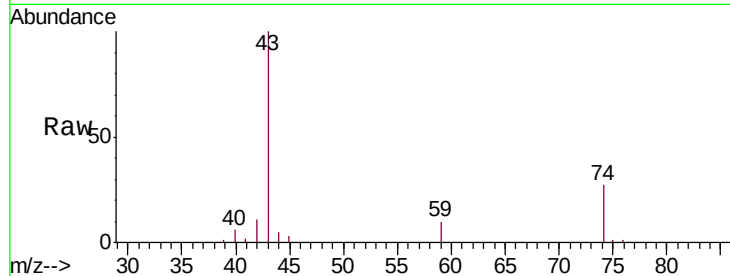




#15
Methyl Acetate
Concen: 18.083 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

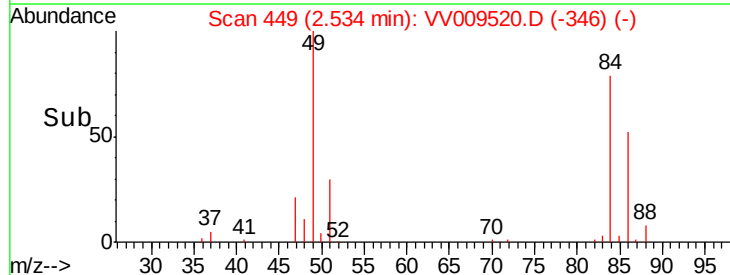
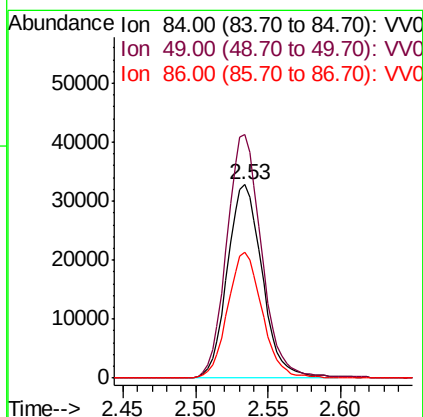
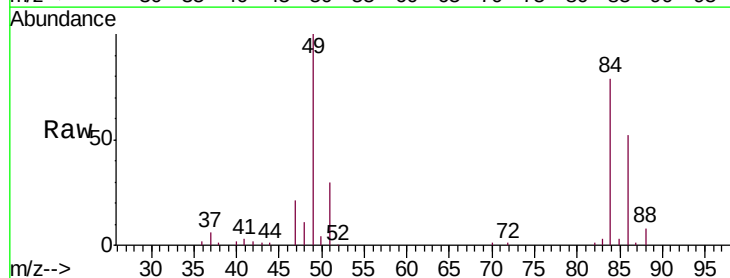
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

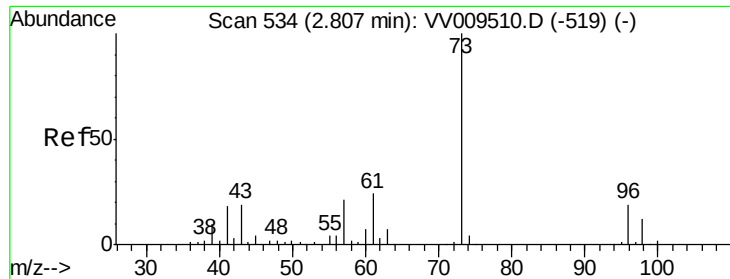
Tgt Ion: 43 Resp: 22348
Ion Ratio Lower Upper
43 100
74 26.0 21.8 32.8



#16
Methylene chloride
Concen: 22.921 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 84 Resp: 55042
Ion Ratio Lower Upper
84 100
49 126.0 84.6 157.0
86 65.2 46.1 85.7

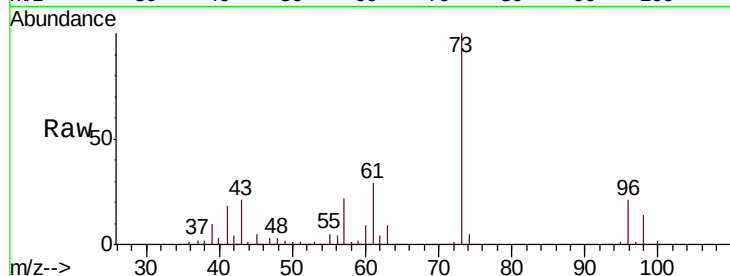




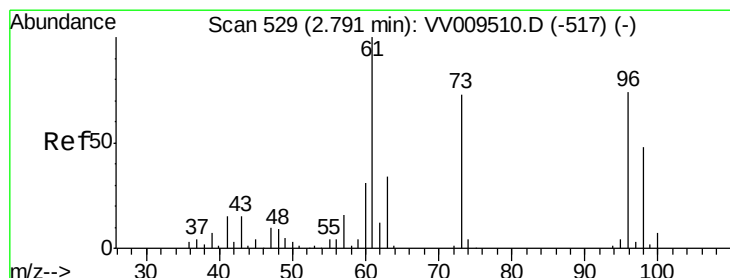
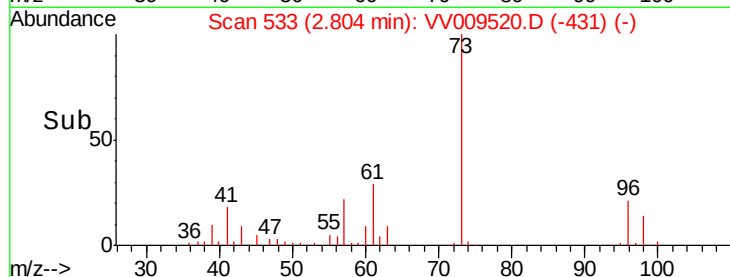
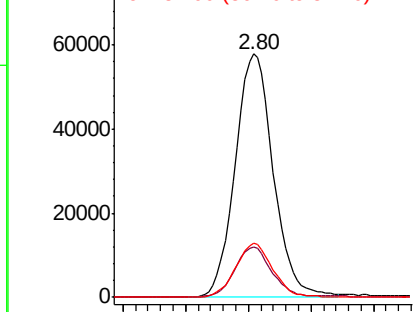
#17
Methyl tert-butyl Ether
Concen: 22.508 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

Tgt Ion: 73 Resp: 122620
Ion Ratio Lower Upper
73 100
43 20.3 15.0 22.4
57 21.5 17.0 25.4

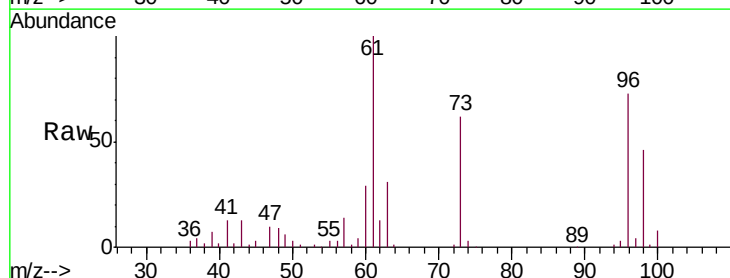


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

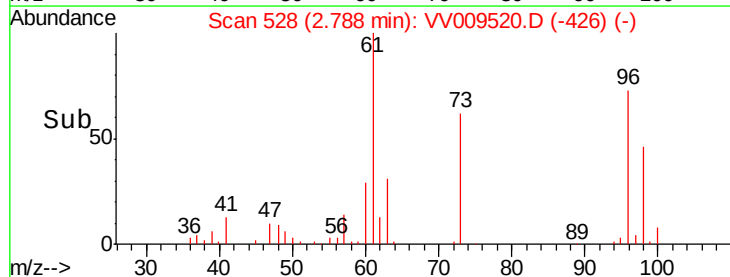
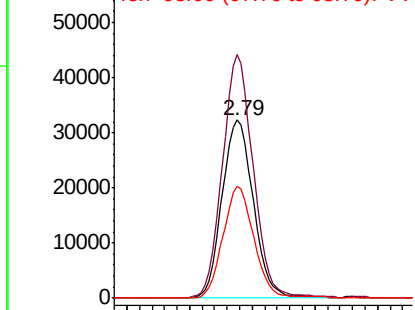


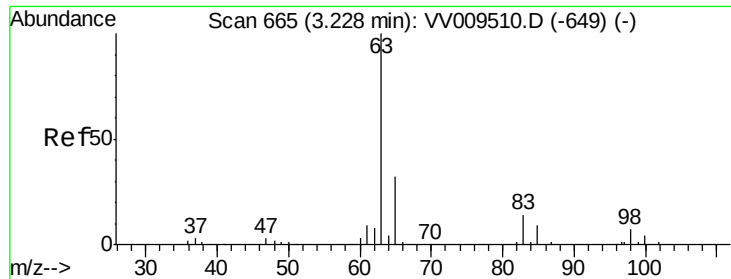
#18
trans-1,2-Dichloroethene
Concen: 25.815 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 96 Resp: 56411
Ion Ratio Lower Upper
96 100
61 136.7 95.6 177.6
98 63.0 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

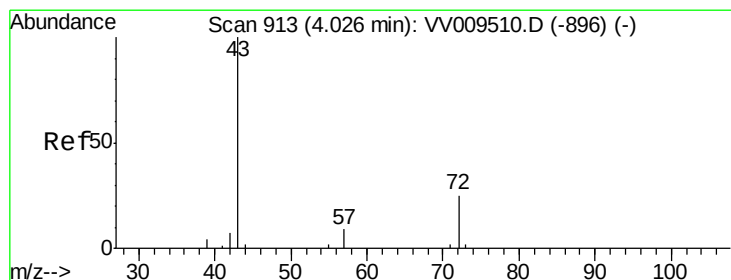
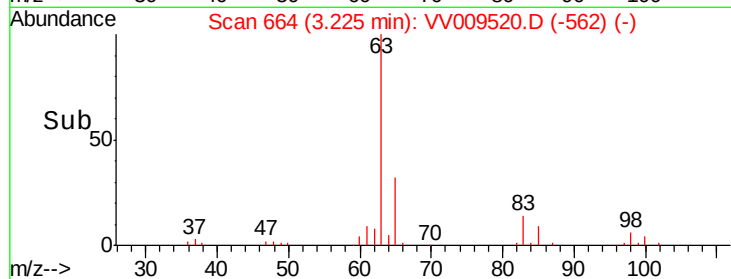
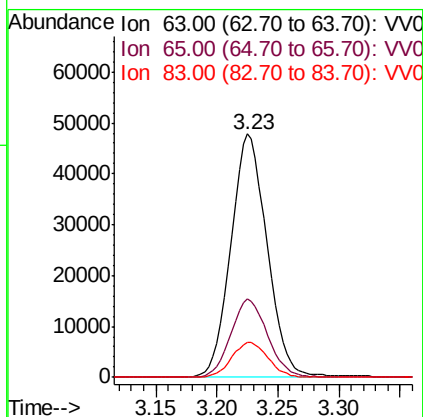
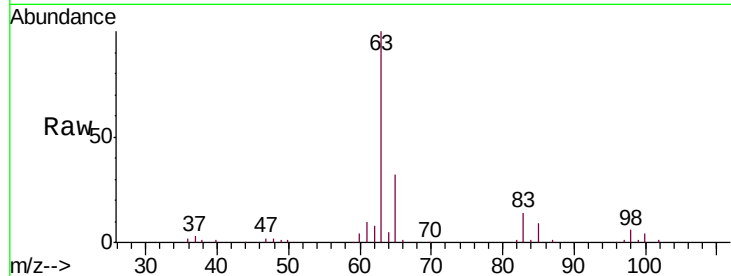




#19
 1,1-Dichloroethane
 Concen: 25.591 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

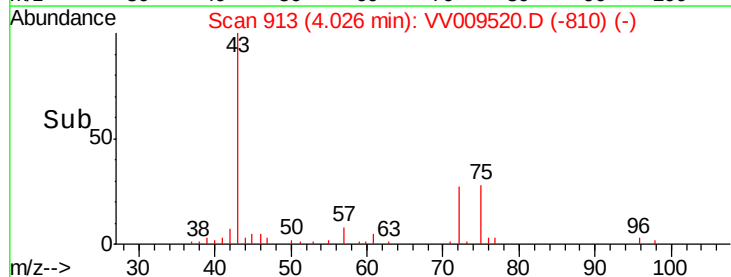
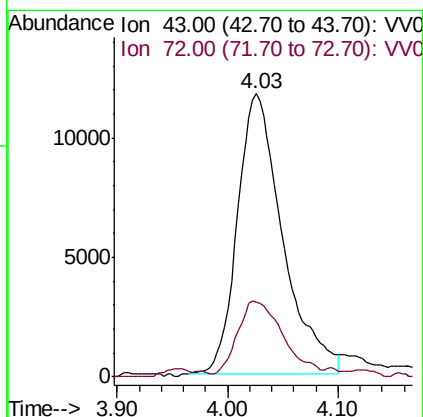
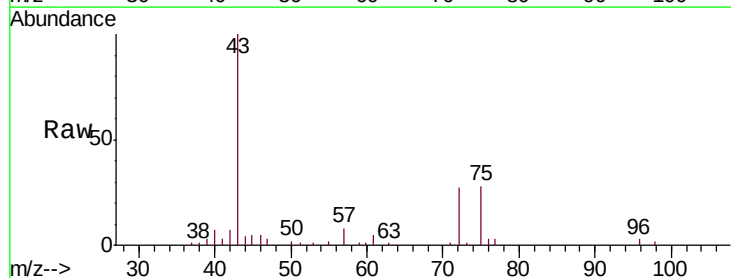
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

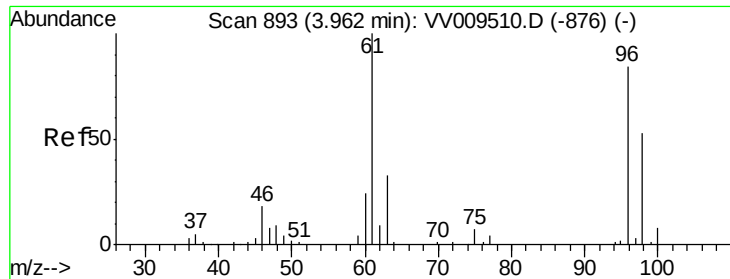
Tgt Ion: 63 Resp: 98533
 Ion Ratio Lower Upper
 63 100
 65 32.1 22.1 41.1
 83 14.2 10.2 19.0



#21
 2-Butanone
 Concen: 34.634 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion: 43 Resp: 33358
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.7 41.0



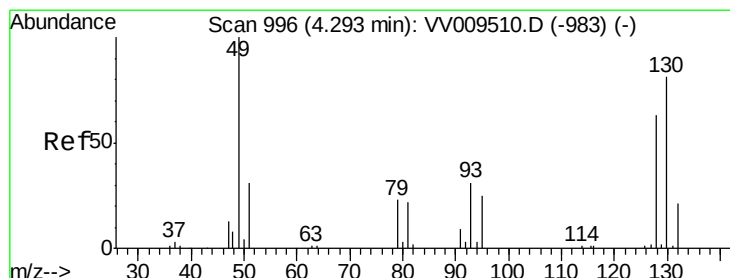
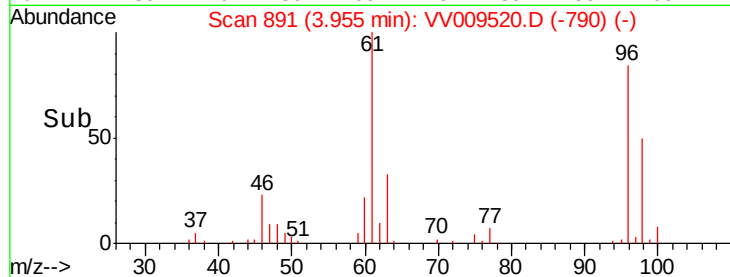
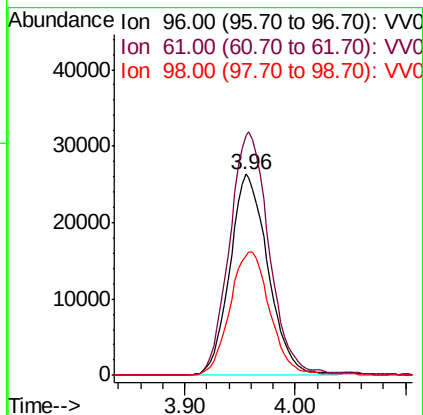
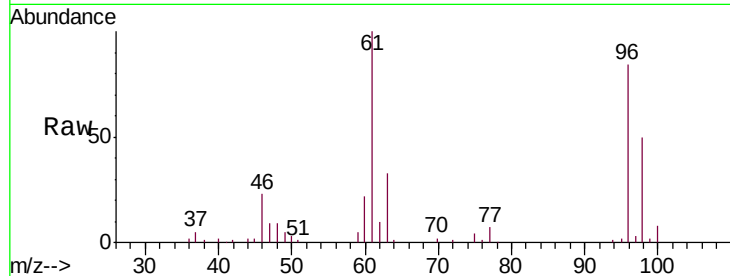


#22

cis-1,2-Dichloroethene
 Concen: 25.613 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

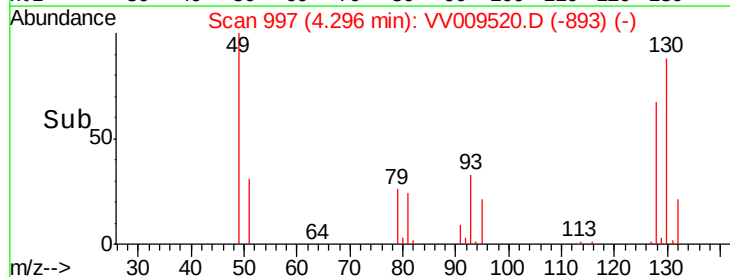
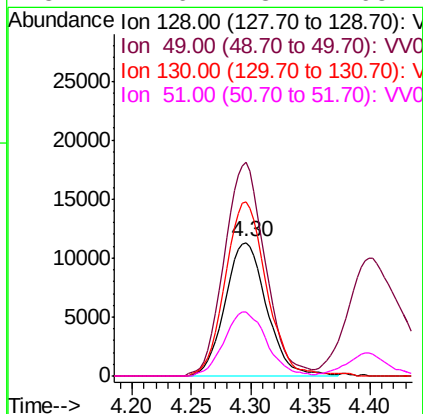
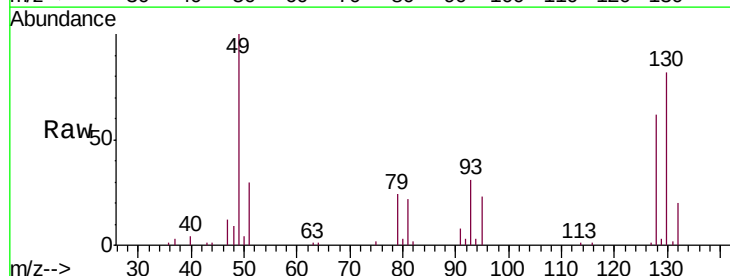
Tgt Ion: 96 Resp: 63185
 Ion Ratio Lower Upper
 96 100
 61 119.2 87.2 161.9
 98 59.3 44.6 82.8

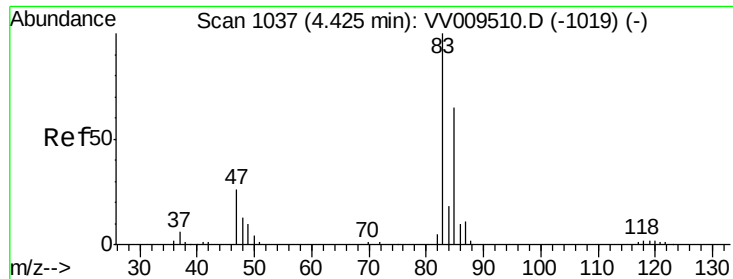


#23

Bromochloromethane
 Concen: 24.036 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion: 128 Resp: 27341
 Ion Ratio Lower Upper
 128 100
 49 160.2 115.5 214.5
 130 130.7 92.6 172.0
 51 47.6 43.4 65.2

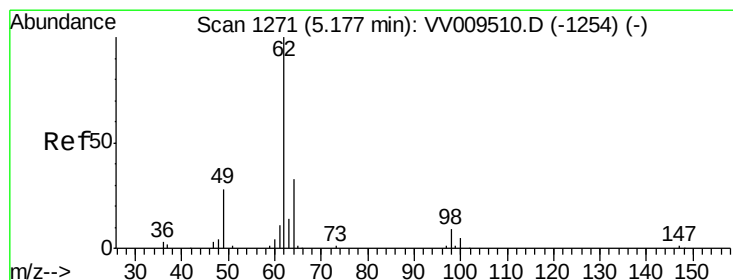
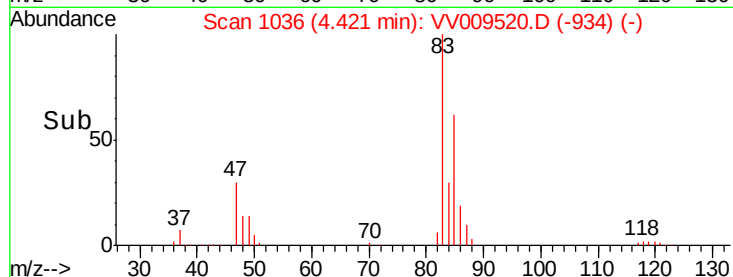
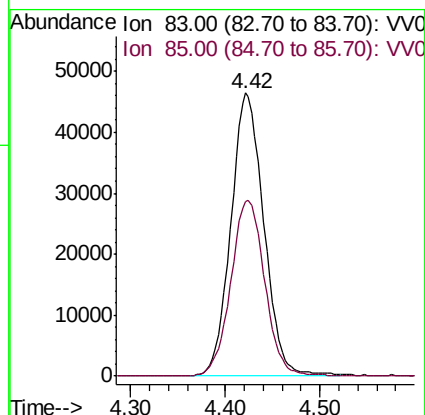
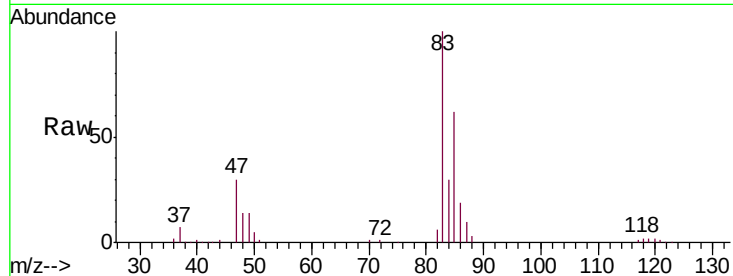




#25
Chloroform
Concen: 26.203 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

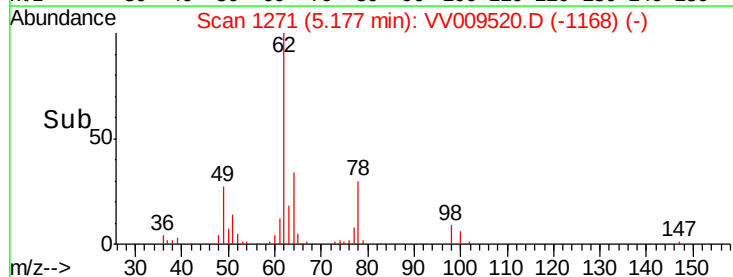
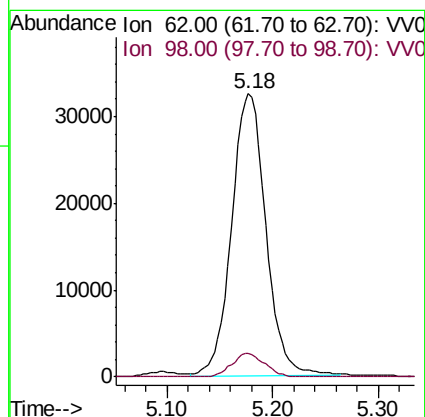
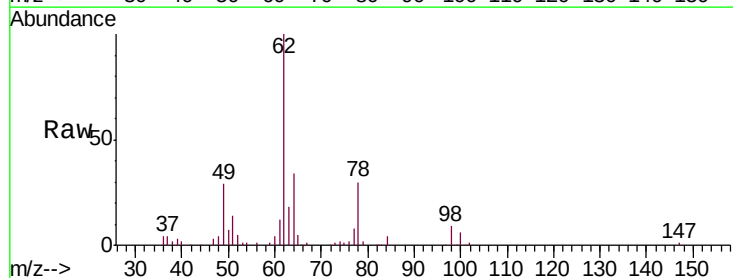
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

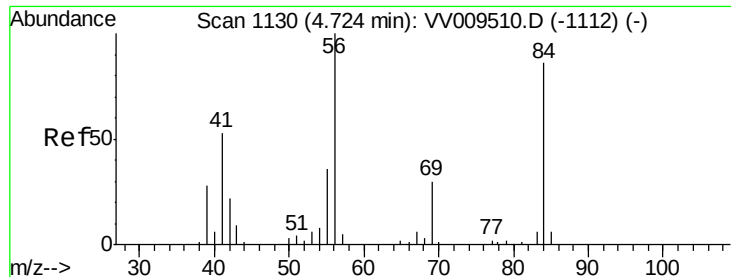
Tgt Ion: 83 Resp: 112594
Ion Ratio Lower Upper
83 100
85 63.9 45.4 84.2



#27
1,2-Dichloroethane
Concen: 24.651 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 62 Resp: 73565
Ion Ratio Lower Upper
62 100
98 8.5 6.6 10.0

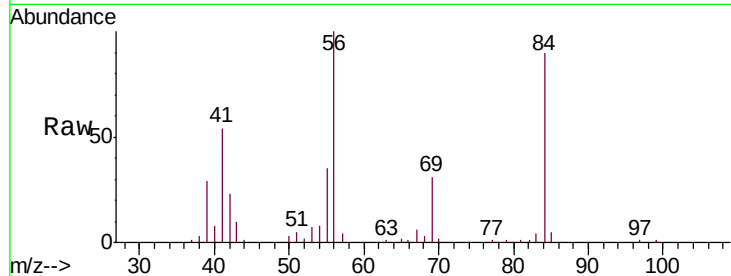




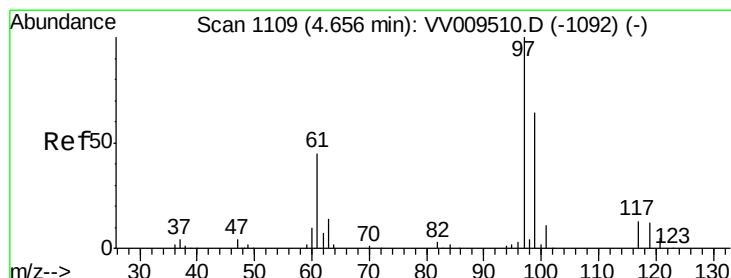
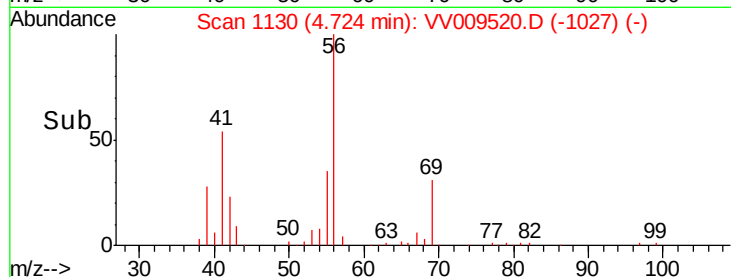
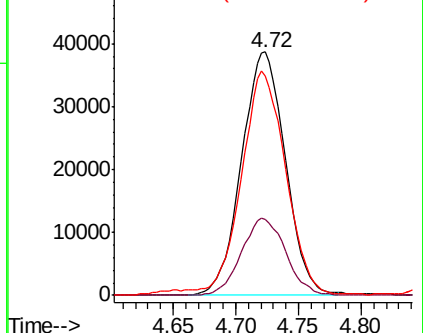
#30
Cyclohexane
Concen: 26.219 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

Tgt Ion: 56 Resp: 94181
Ion Ratio Lower Upper
56 100
69 31.9 24.9 37.3
84 90.4 71.9 107.9

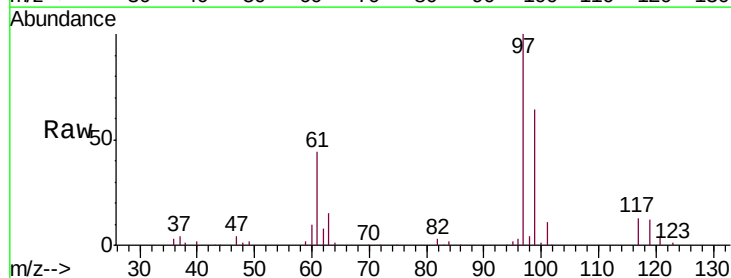


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

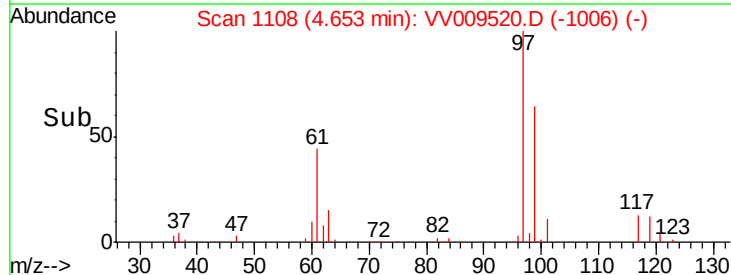
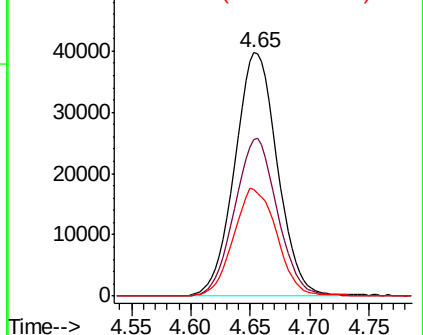


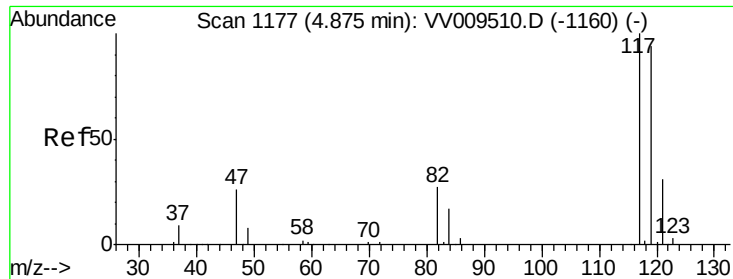
#31
1,1,1-Trichloroethane
Concen: 26.101 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 97 Resp: 98758
Ion Ratio Lower Upper
97 100
99 64.9 51.0 76.4
61 44.7 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: 26.282 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

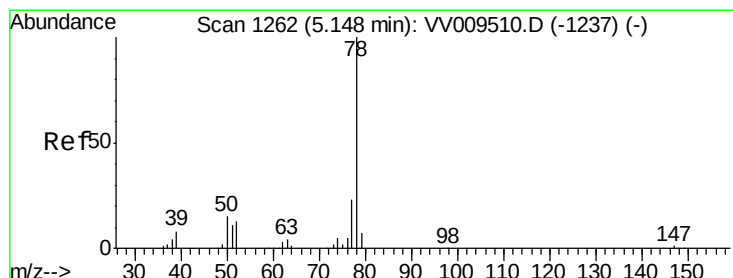
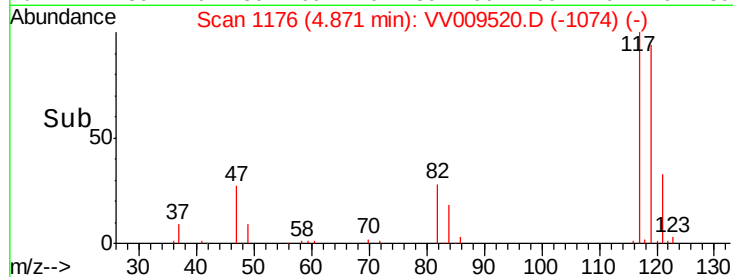
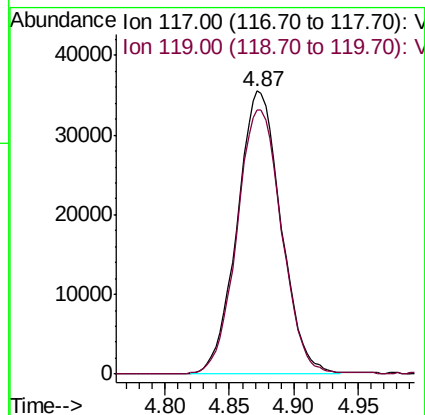
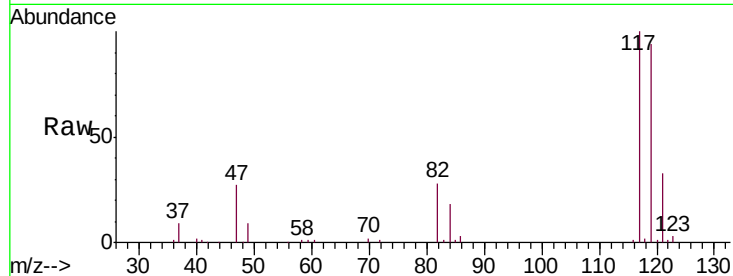
VSTD02569

Tgt Ion:117 Resp: 84072

Ion Ratio Lower Upper

117 100

119 95.3 76.5 114.7



#34

Benzene

Concen: 26.668 ug/L

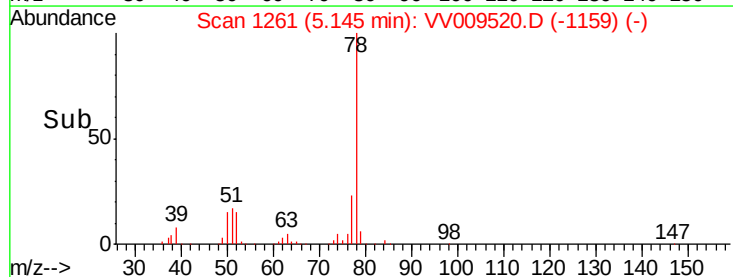
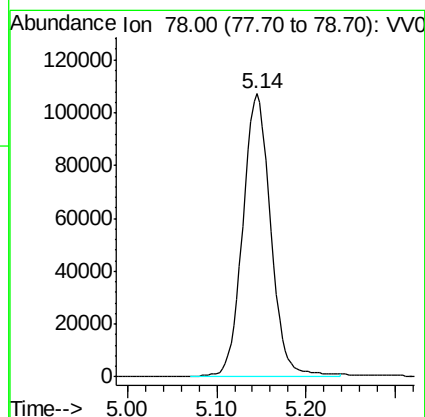
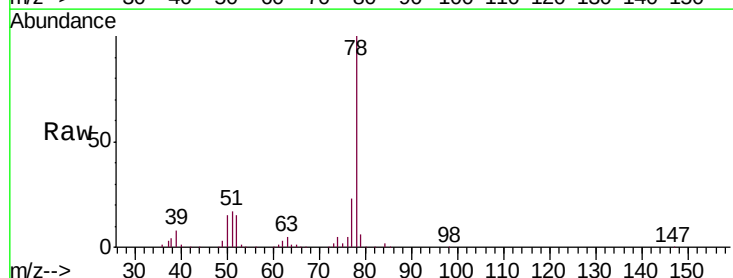
RT: 5.14 min Scan# 1261

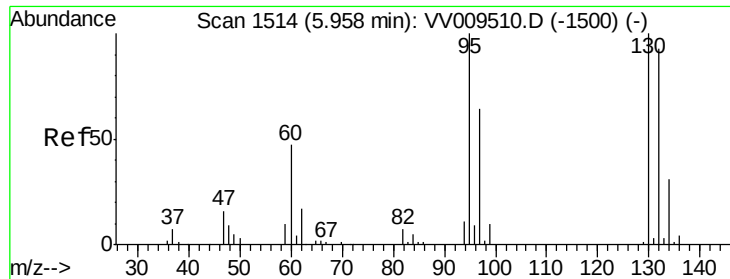
Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Tgt Ion: 78 Resp: 233228

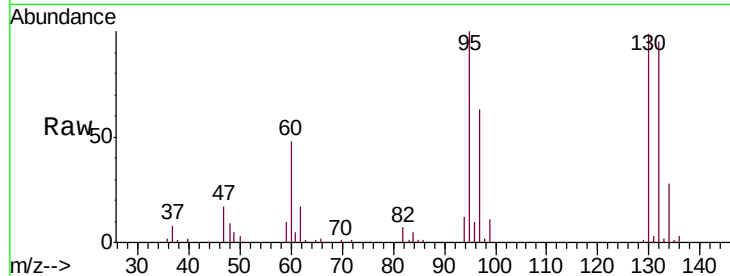




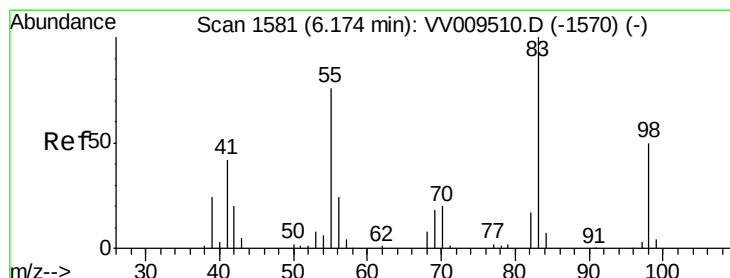
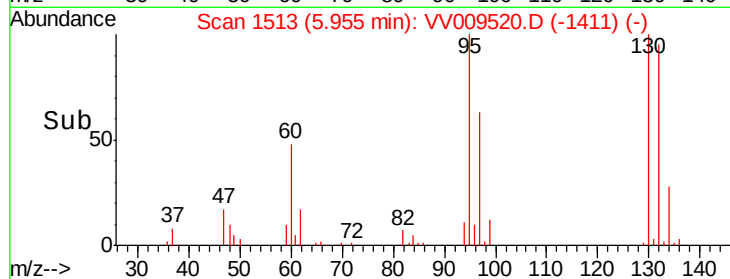
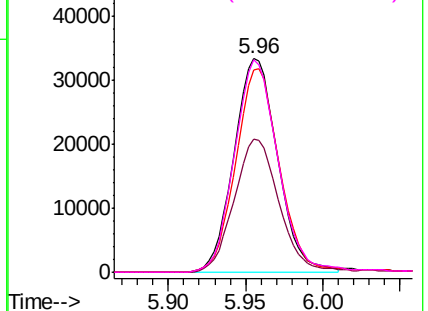
#35
 Trichloroethene
 Concen: 26.112 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02569

Tgt Ion: 95 Resp: 65631
 Ion Ratio Lower Upper
 95 100
 97 63.9 44.3 82.3
 132 95.5 64.4 119.6
 130 98.1 69.4 128.8

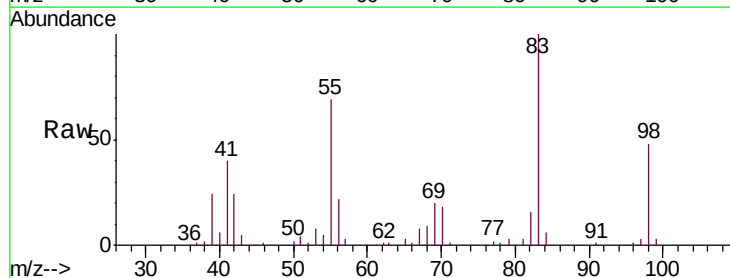


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

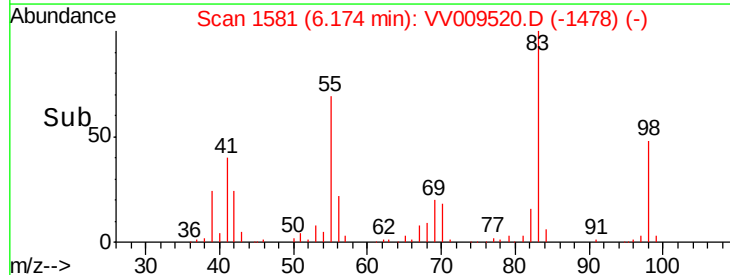
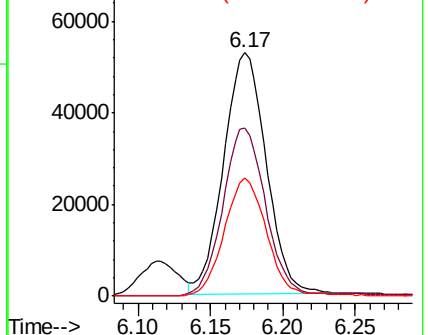


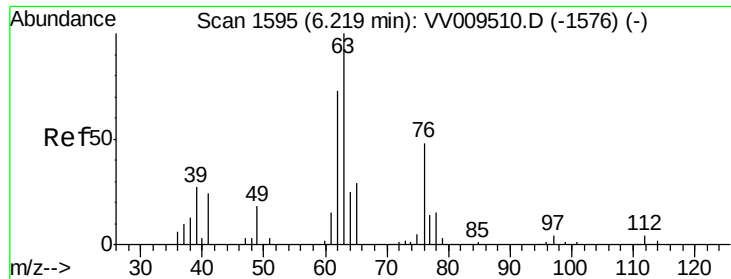
#36
 Methylcyclohexane
 Concen: 26.276 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion: 83 Resp: 107585
 Ion Ratio Lower Upper
 83 100
 55 69.8 58.8 88.2
 98 48.1 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

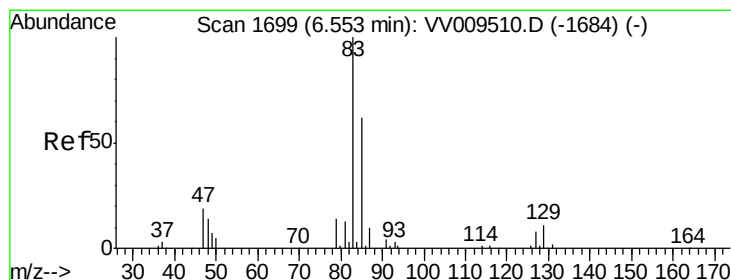
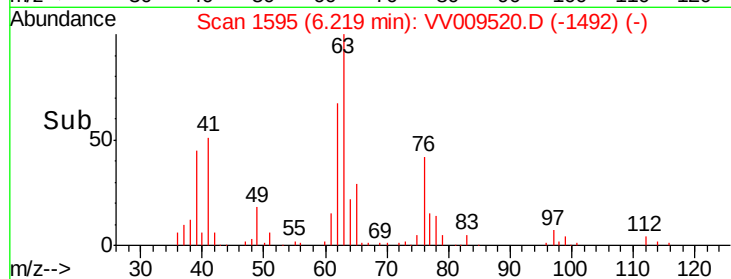
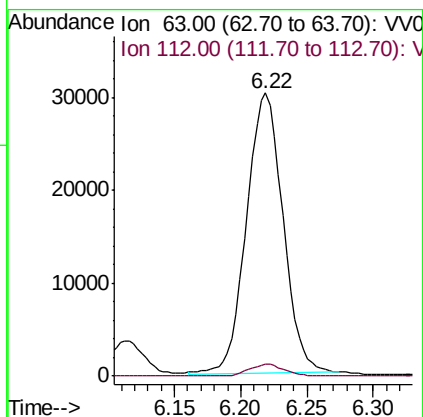
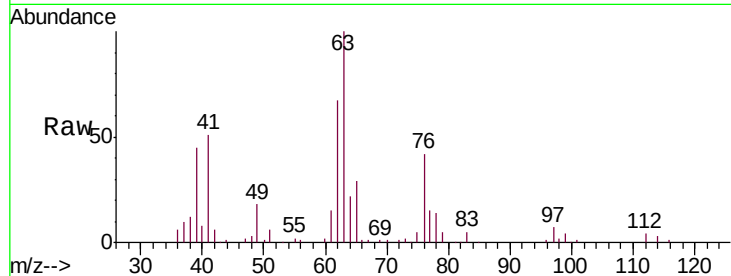




#40
 1,2-Dichloropropane
 Concen: 25.739 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

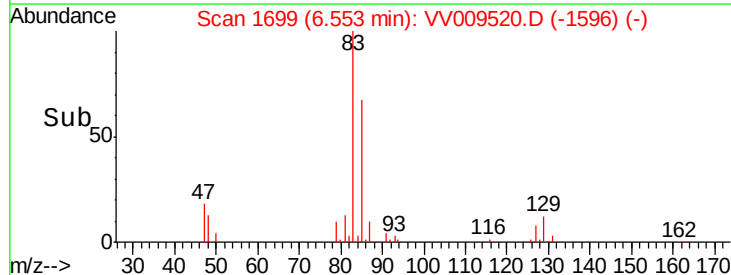
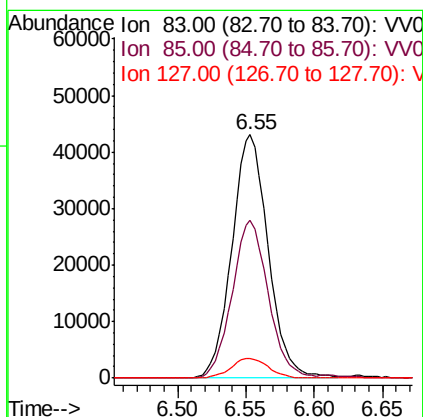
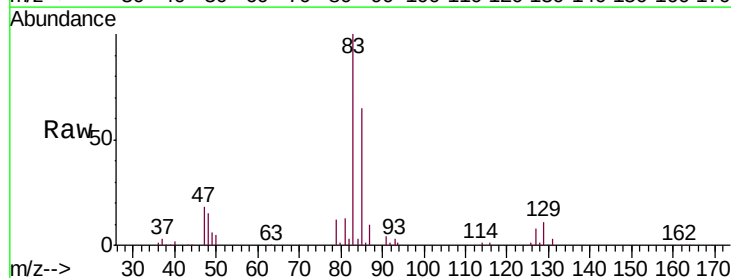
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

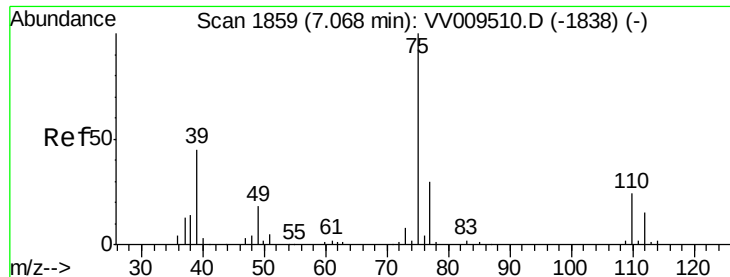
Tgt Ion: 63 Resp: 58041
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.4



#41
 Bromodichloromethane
 Concen: 26.141 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion: 83 Resp: 79566
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.5 86.3
 127 8.2 7.2 10.8



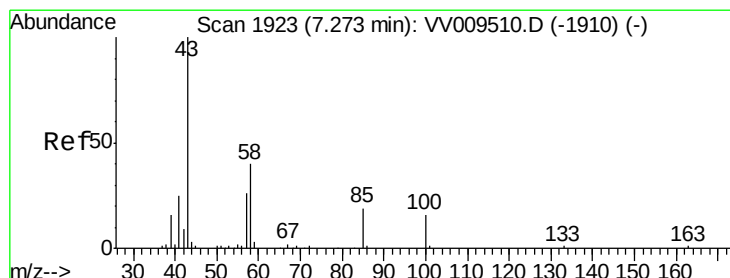
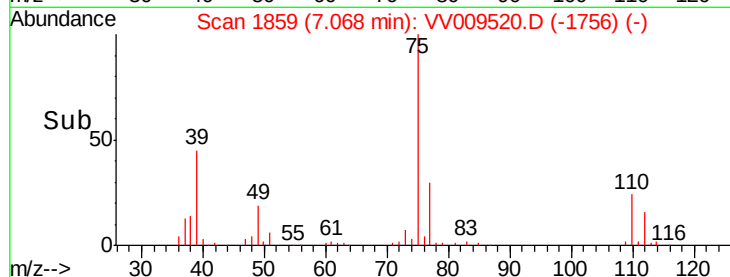
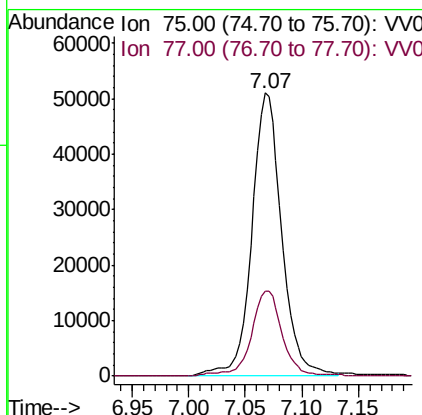
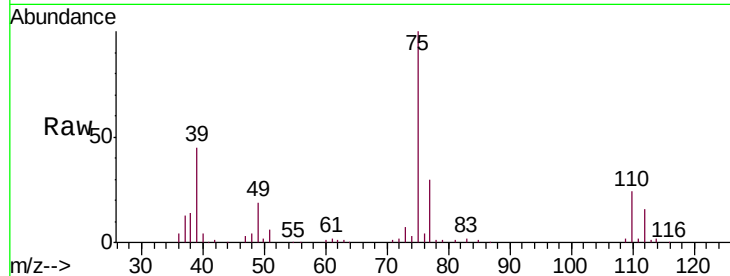


#42

cis-1,3-Dichloropropene
Concen: 26.828 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

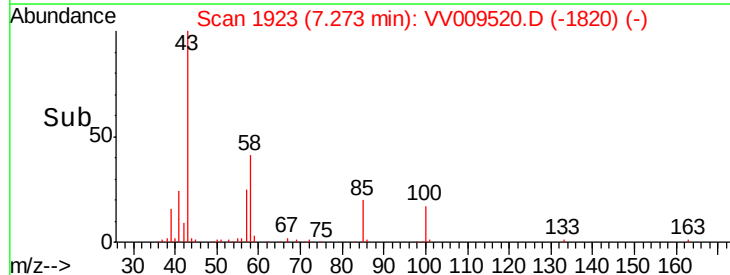
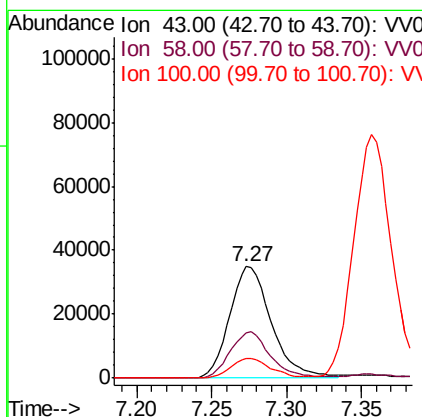
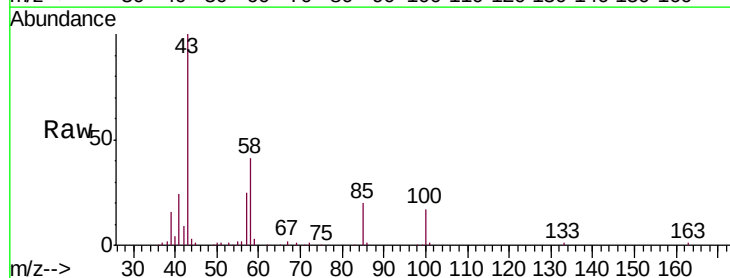
Tgt Ion: 75 Resp: 93923
Ion Ratio Lower Upper
75 100
77 30.0 21.4 39.8

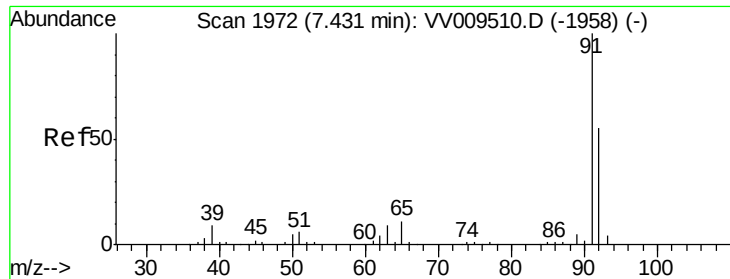


#43

4-Methyl-2-pentanone
Concen: 37.997 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 43 Resp: 67544
Ion Ratio Lower Upper
43 100
58 40.3 31.9 47.9
100 16.9 12.8 19.2





#44

Toluene

Concen: 26.286 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

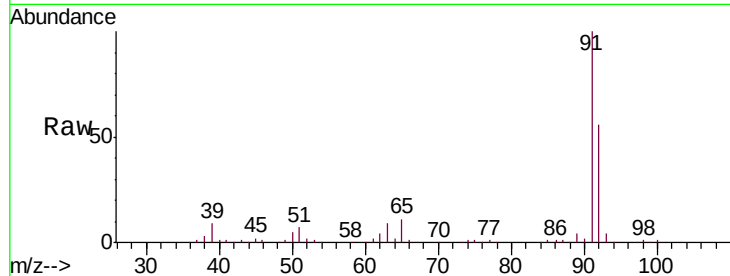
VSTD02569

Tgt Ion: 91 Resp: 259857

Ion Ratio Lower Upper

91 100

92 56.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009510.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009510.D (-1958) (-)

7.43

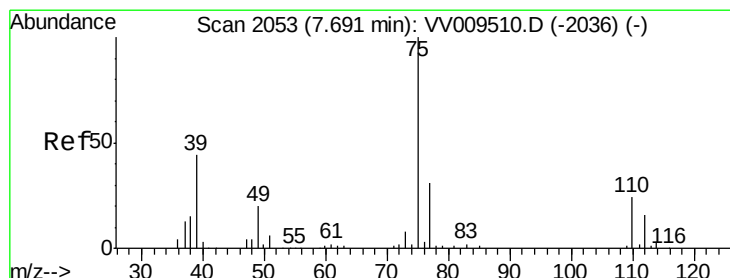
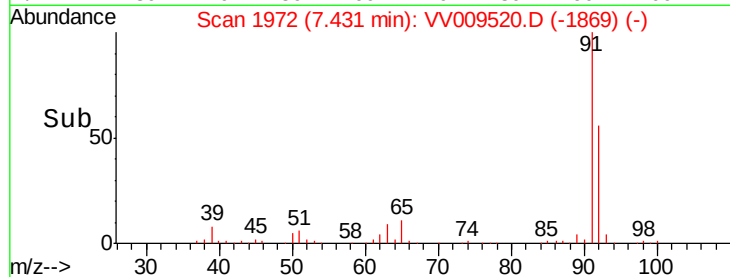
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.429 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009520.D

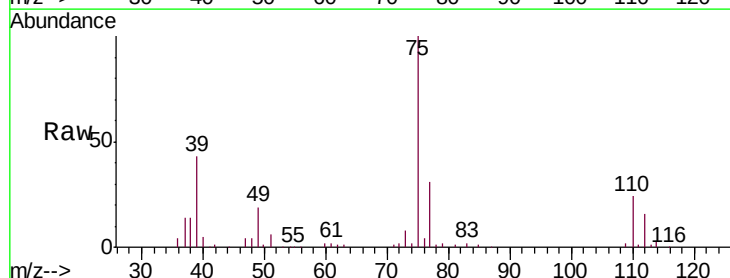
Acq: 06 Mar 2019 16:46

Tgt Ion: 75 Resp: 77749

Ion Ratio Lower Upper

75 100

77 31.2 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009510.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009510.D (-2036) (-)

7.69

50000

40000

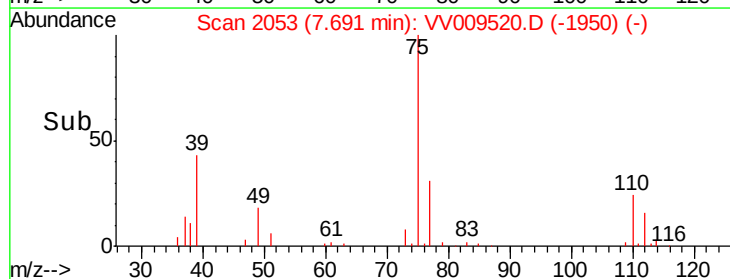
30000

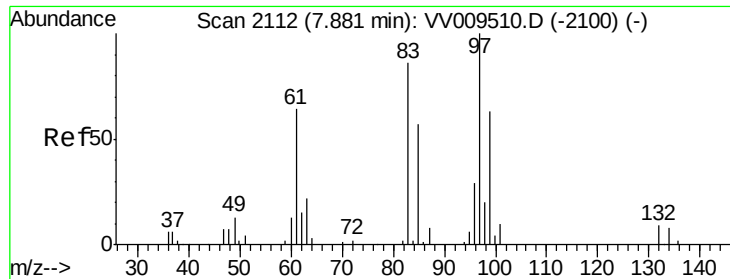
20000

10000

0

Time-->

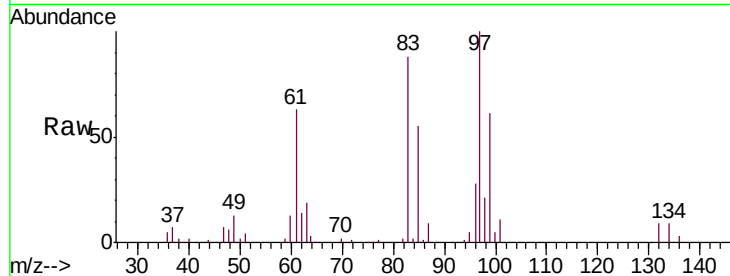




#46
 1,1,2-Trichloroethane
 Concen: 24.810 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Tgt Ion:	97	Resp:	46481
Ion	Ratio	Lower	Upper
97	100		
83	88.0	63.8	118.6
85	55.3	39.5	73.4
99	61.5	45.9	85.3



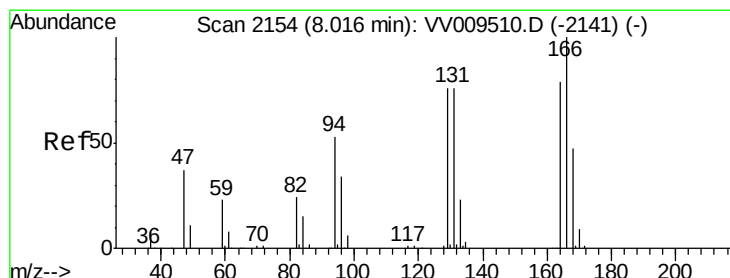
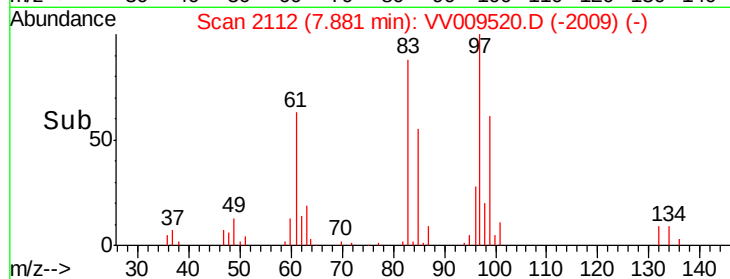
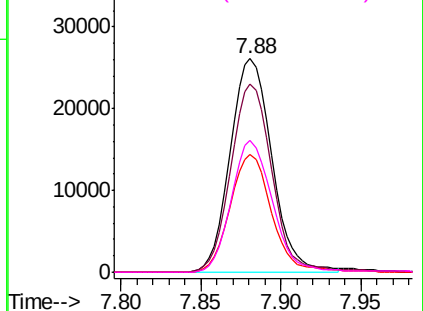
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

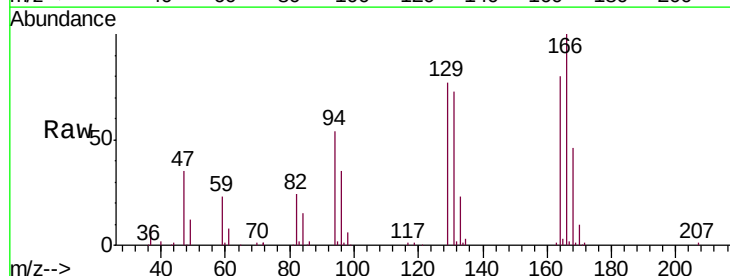
Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47
 Tetrachloroethene
 Concen: 26.823 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion:	164	Resp:	51135
Ion	Ratio	Lower	Upper
164	100		
129	96.8	67.7	125.7
131	92.0	67.5	125.3
166	125.4	81.6	151.6



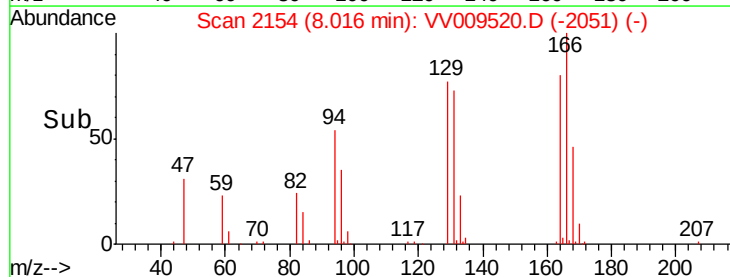
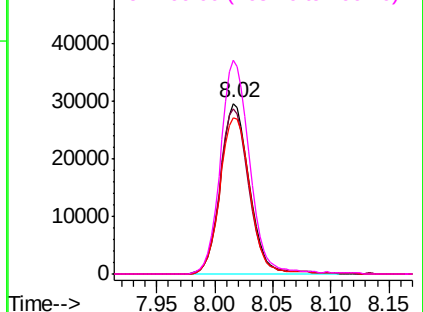
Abundance

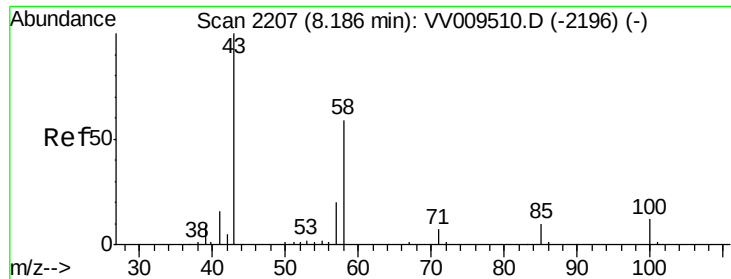
Ion 164.00 (163.70 to 164.70): V

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

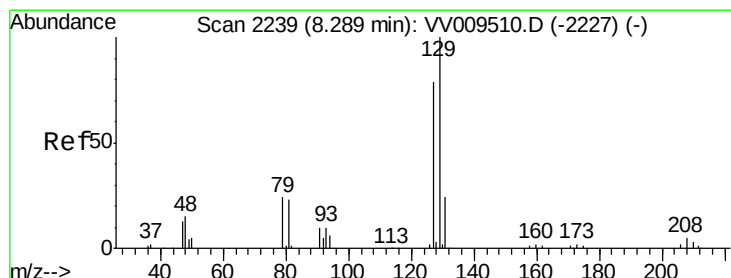
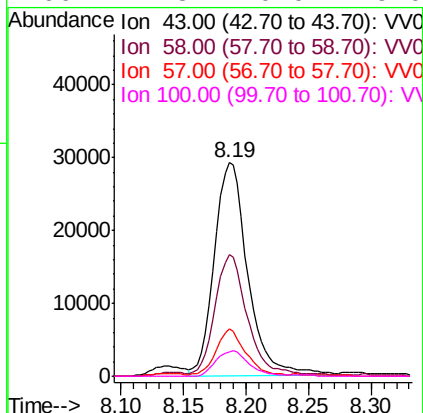
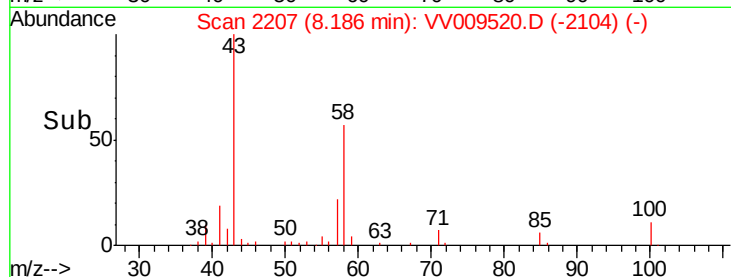
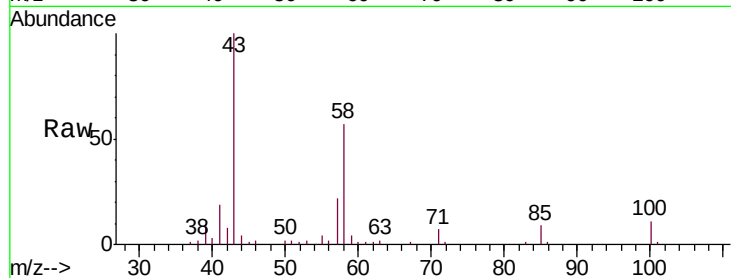




#49
2-Hexanone
Concen: 40.218 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

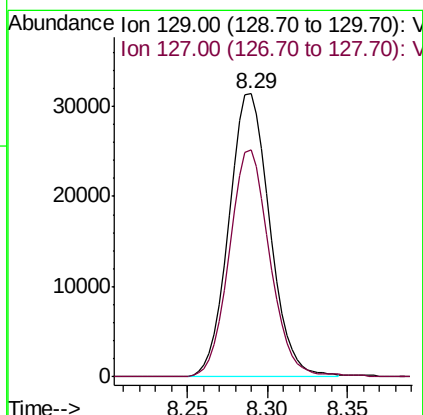
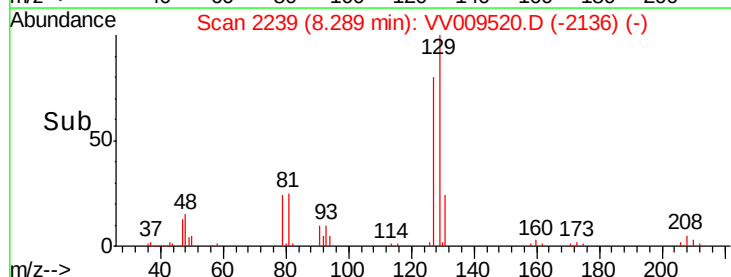
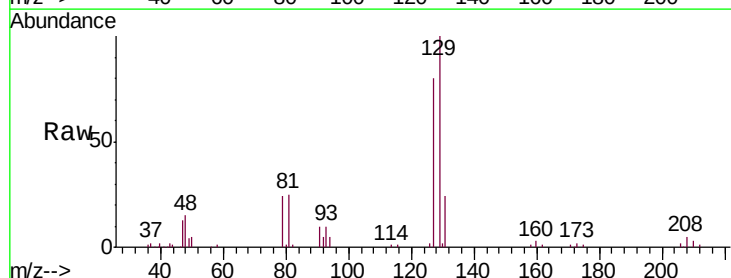
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

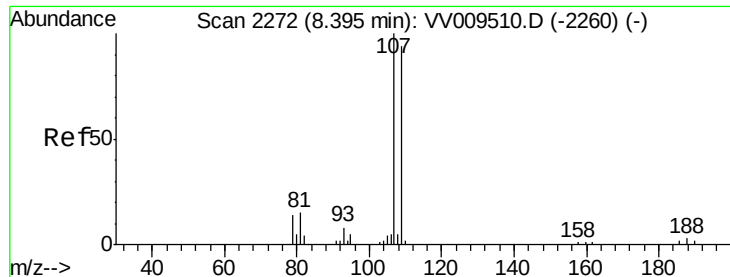
Tgt Ion: 43 Resp: 54061
Ion Ratio Lower Upper
43 100
58 53.7 46.3 69.5
57 20.0 15.8 23.6
100 11.8 10.0 15.0



#50
Dibromochloromethane
Concen: 24.131 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion: 129 Resp: 54734
Ion Ratio Lower Upper
129 100
127 80.4 53.7 99.7

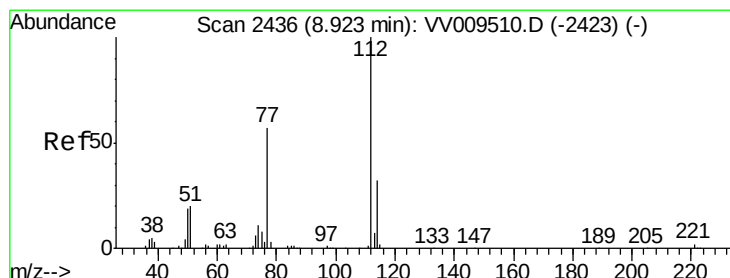
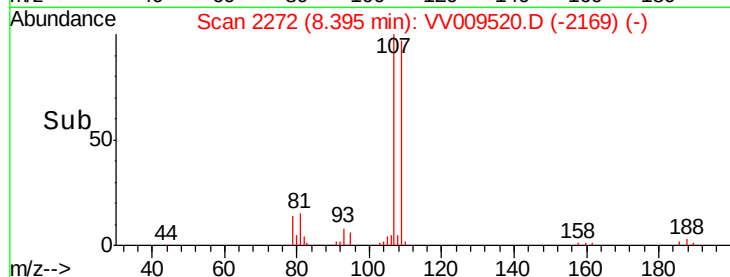
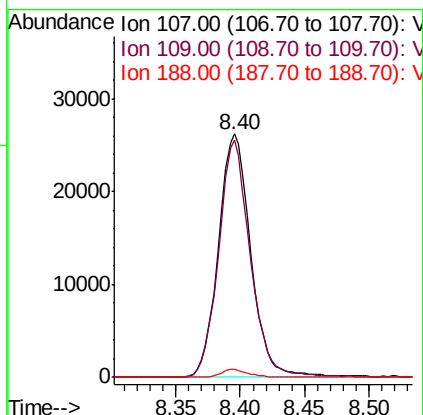
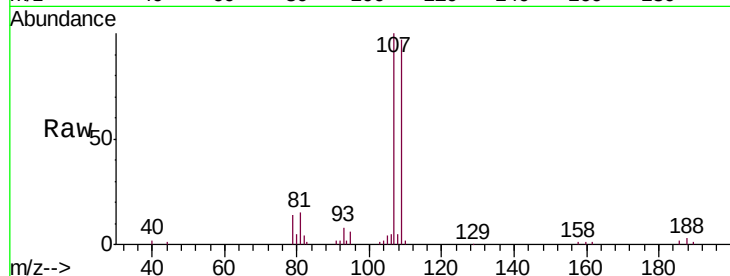




#51
1,2-Dibromoethane
Concen: 23.537 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

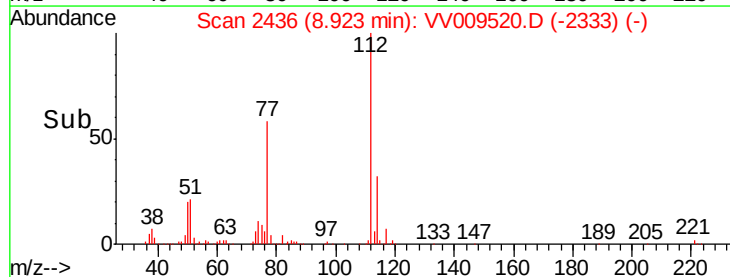
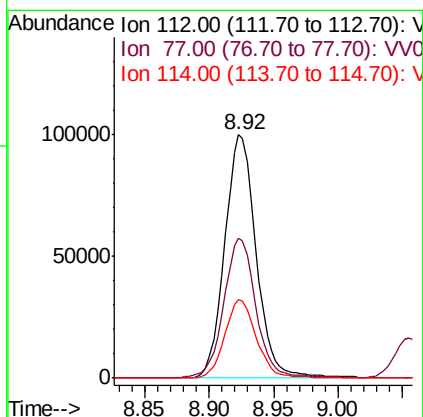
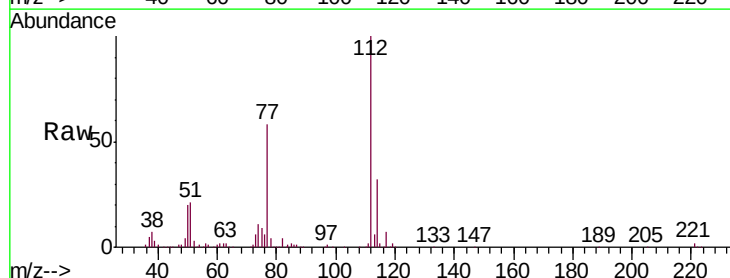
Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

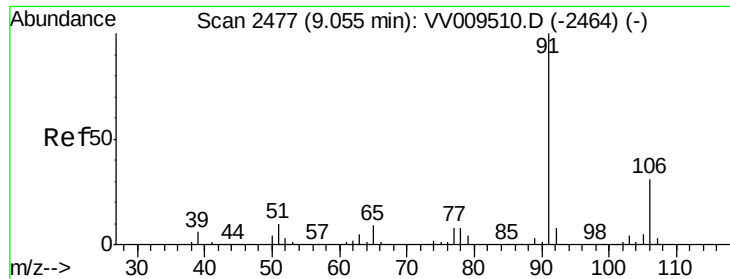
Tgt Ion:107 Resp: 45560
Ion Ratio Lower Upper
107 100
109 97.2 65.6 121.8
188 3.3 2.3 3.5



#52
Chlorobenzene
Concen: 25.786 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV009520.D
Acq: 06 Mar 2019 16:46

Tgt Ion:112 Resp: 168966
Ion Ratio Lower Upper
112 100
77 57.6 45.0 67.6
114 32.4 22.9 42.5





#53

Ethylbenzene

Concen: 26.050 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

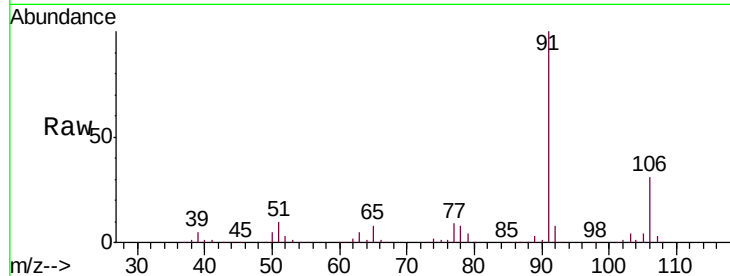
VSTD02569

Tgt Ion: 91 Resp: 294699

Ion Ratio Lower Upper

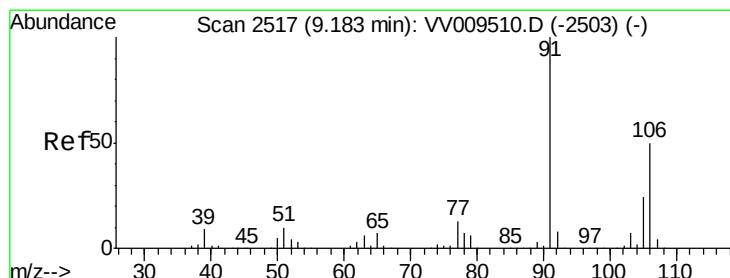
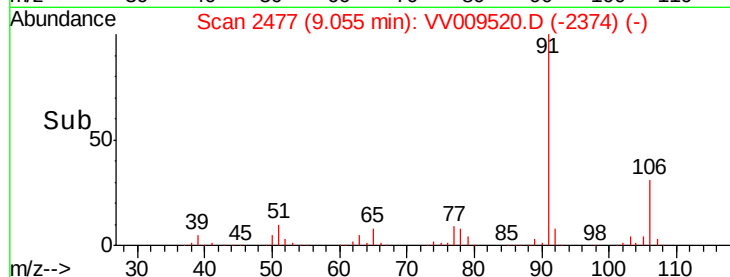
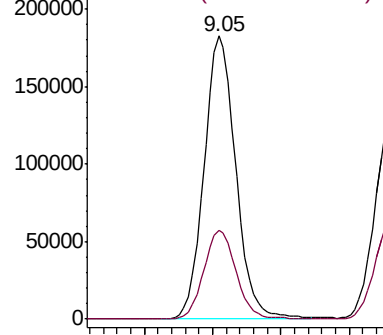
91 100

106 31.2 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 26.543 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009520.D

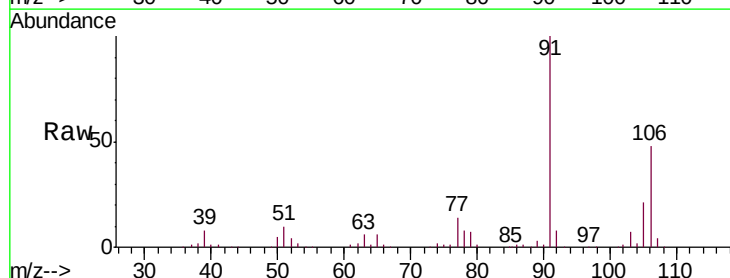
Acq: 06 Mar 2019 16:46

Tgt Ion: 106 Resp: 113646

Ion Ratio Lower Upper

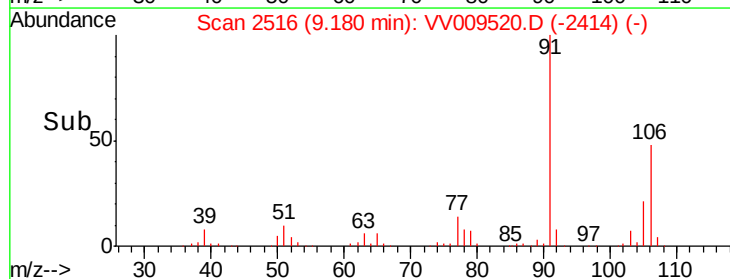
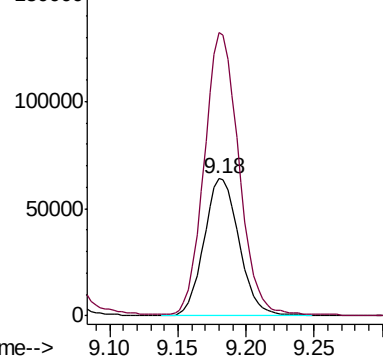
106 100

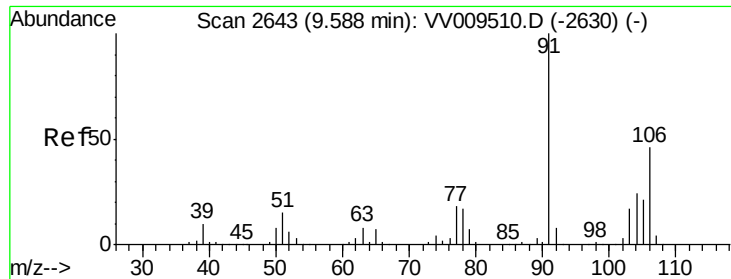
91 206.7 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#55

o-xylene

Concen: 26.146 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

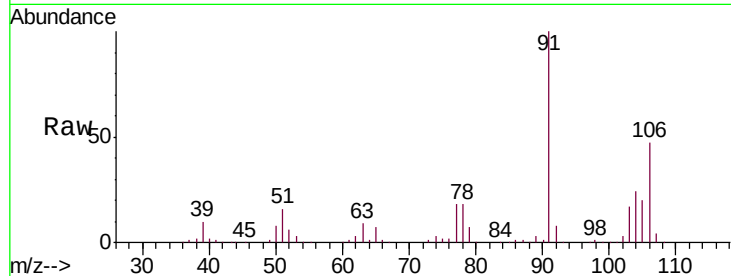
VSTD02569

Tgt Ion:106 Resp: 107948

Ion Ratio Lower Upper

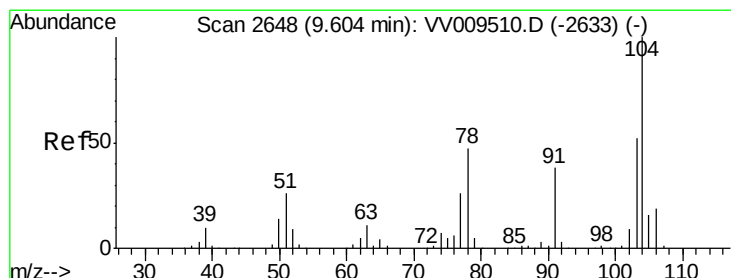
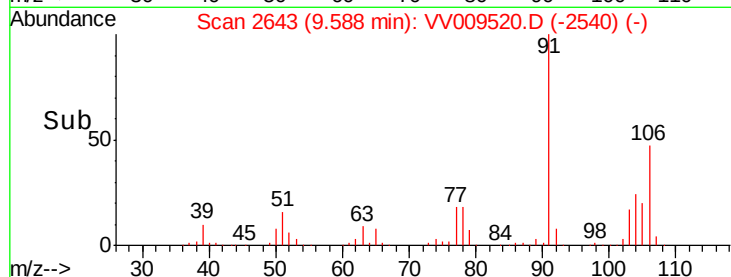
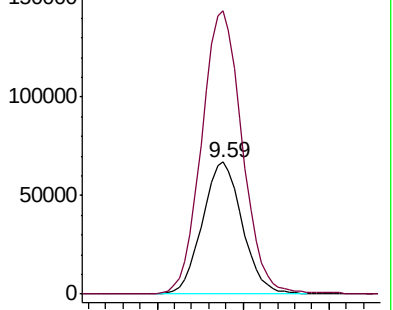
106 100

91 214.0 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.494 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009520.D

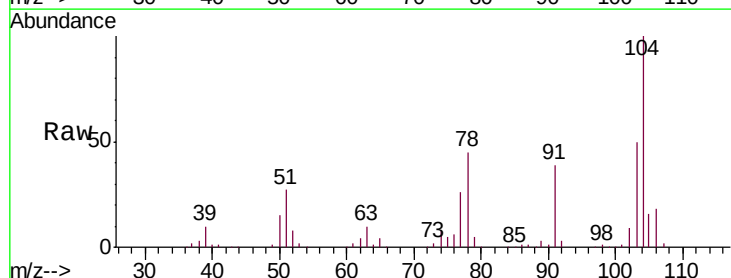
Acq: 06 Mar 2019 16:46

Tgt Ion:104 Resp: 179958

Ion Ratio Lower Upper

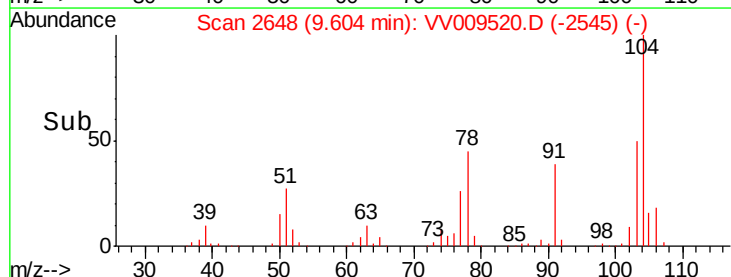
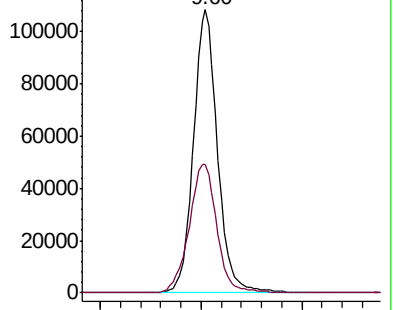
104 100

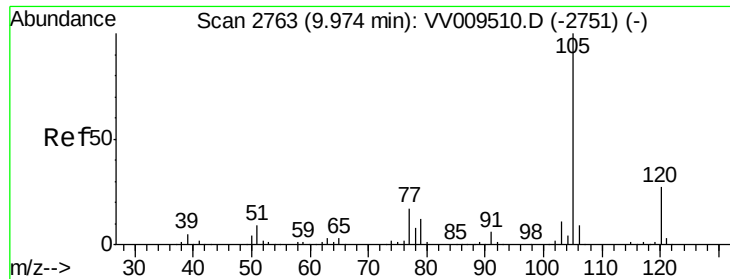
78 45.2 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.451 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

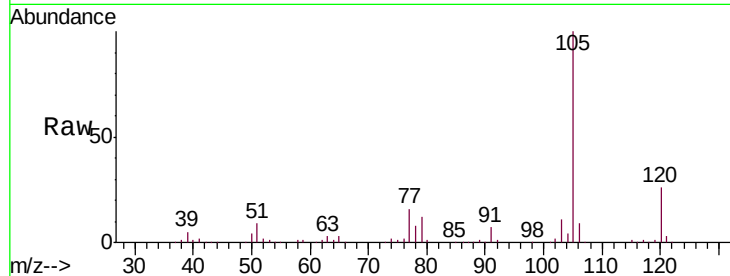
Tgt Ion: 105 Resp: 301217

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

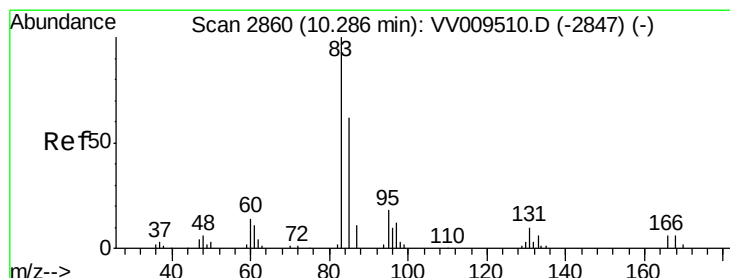
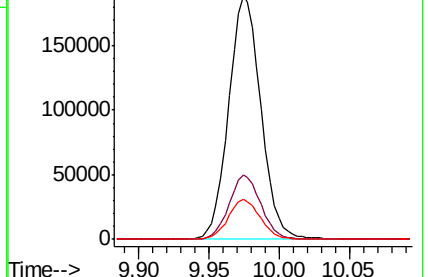
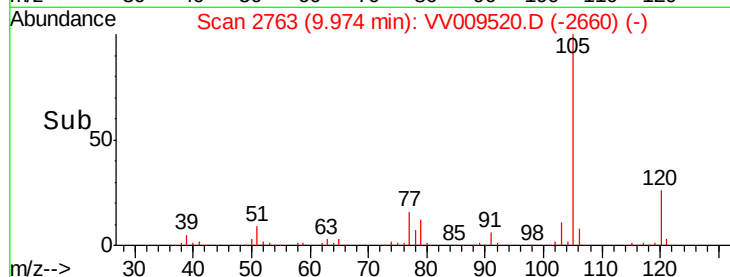
77 16.3 12.8 19.2



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: 22.308 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

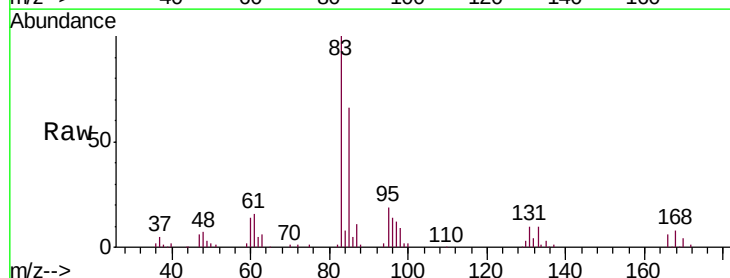
Tgt Ion: 83 Resp: 59014

Ion Ratio Lower Upper

83 100

85 65.7 44.7 83.1

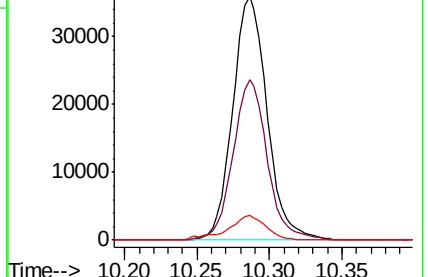
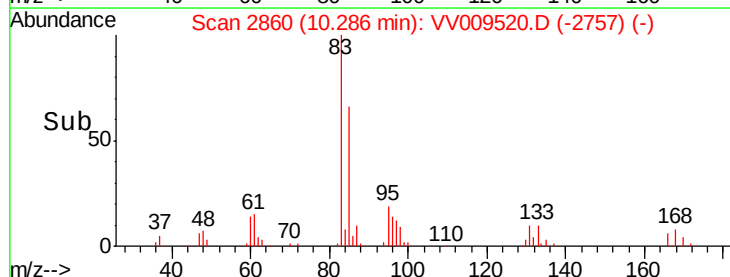
131 10.0 7.0 10.6

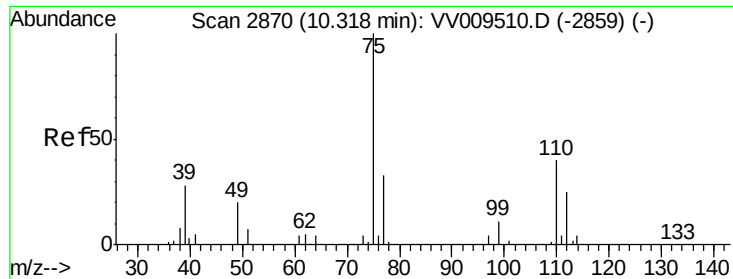


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

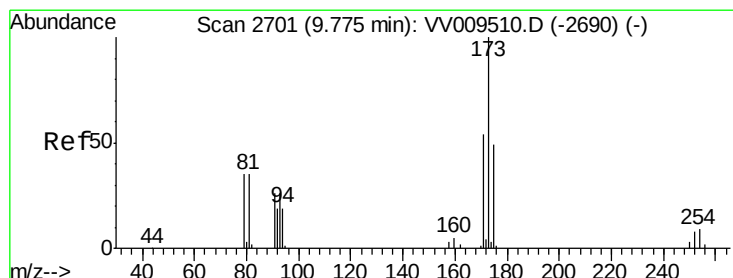
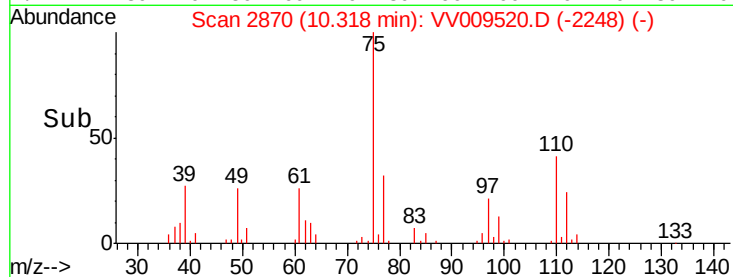
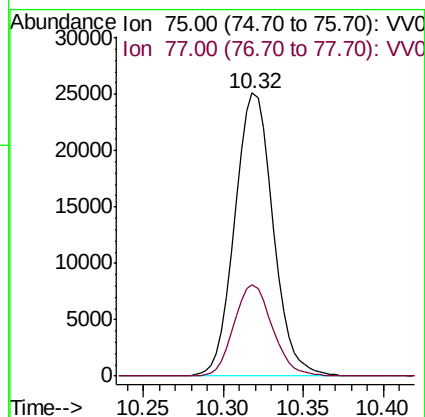
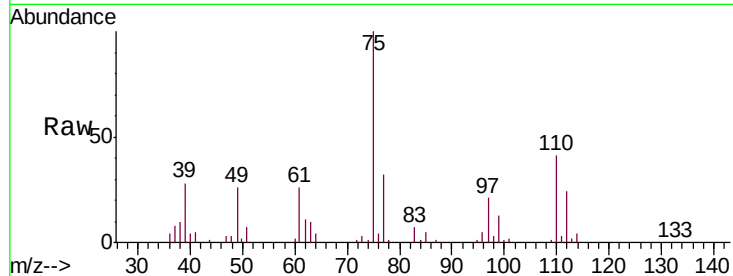




#59
 1,2,3-Trichloropropane
 Concen: 21.458 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

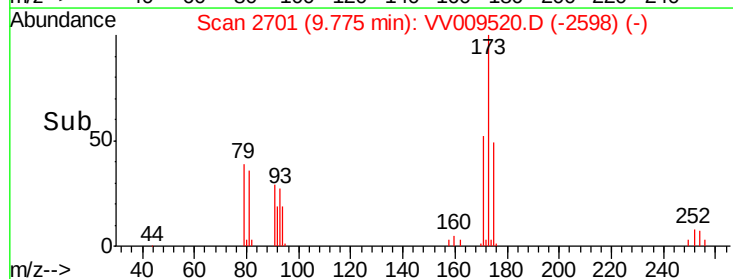
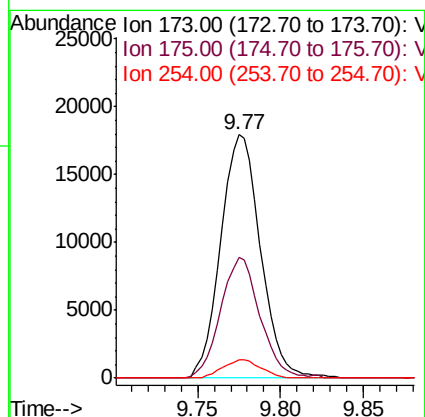
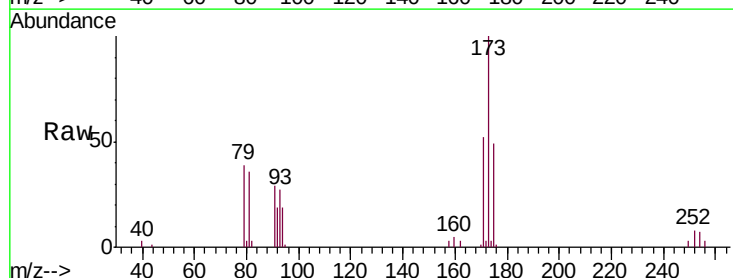
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

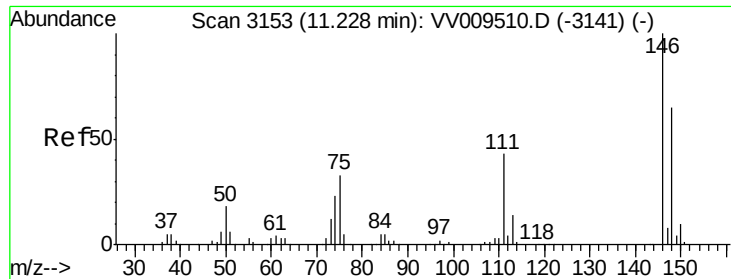
Tgt Ion: 75 Resp: 40920
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.9 38.9



#62
 Bromoform
 Concen: 22.572 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion: 173 Resp: 29958
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.8 58.2
 254 7.1 5.8 8.8





#63

1,3-Dichlorobenzene

Concen: 25.753 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

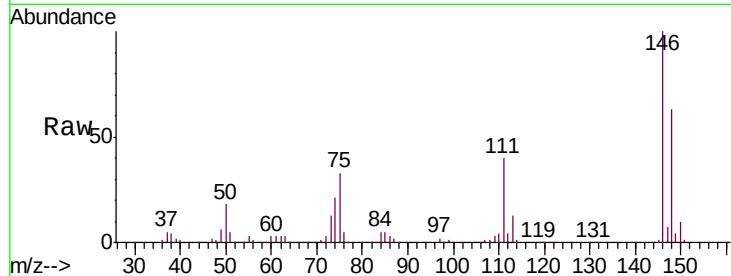
Tgt Ion:146 Resp: 131563

Ion Ratio Lower Upper

146 100

111 40.5 29.6 55.0

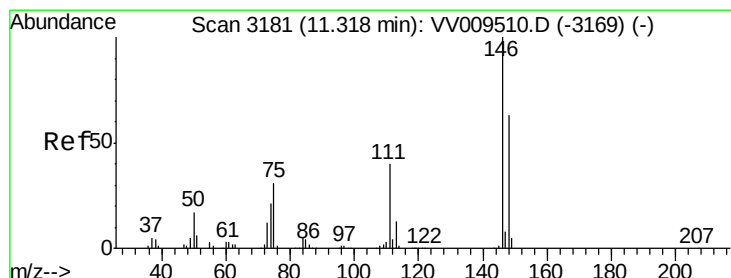
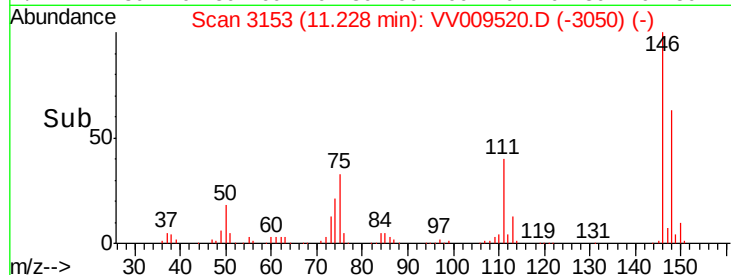
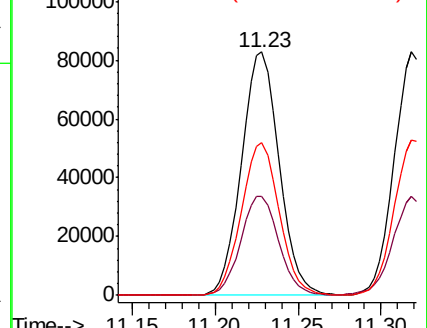
148 62.6 44.8 83.2



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: 24.710 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

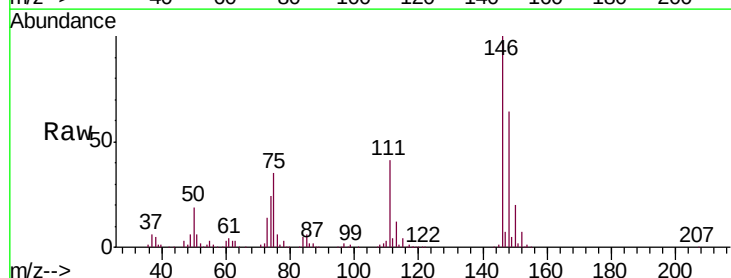
Tgt Ion:146 Resp: 128997

Ion Ratio Lower Upper

146 100

111 40.7 29.2 54.2

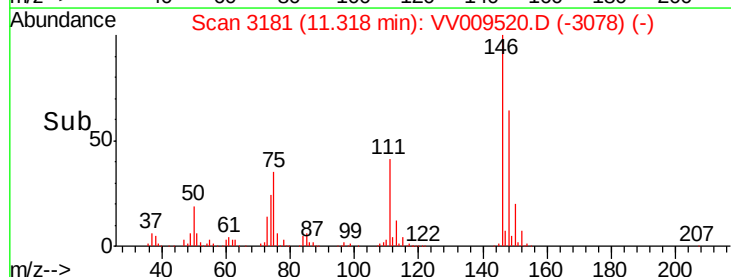
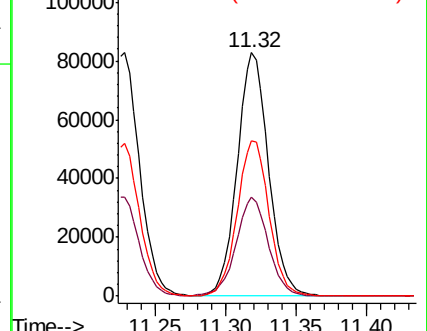
148 64.0 43.0 79.8

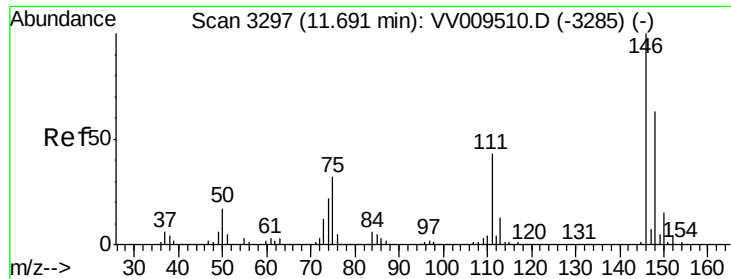


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.505 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

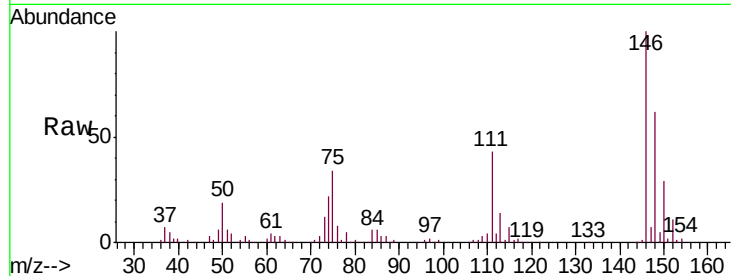
Tgt Ion:146 Resp: 121514

Ion Ratio Lower Upper

146 100

111 43.1 35.4 53.0

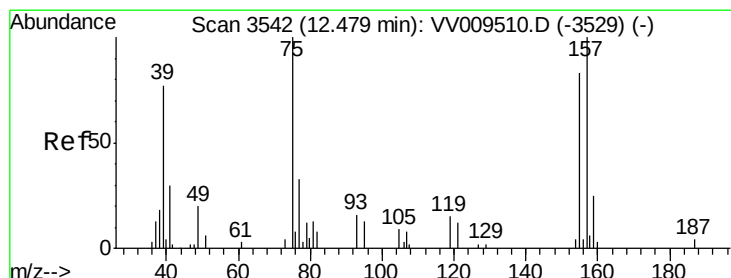
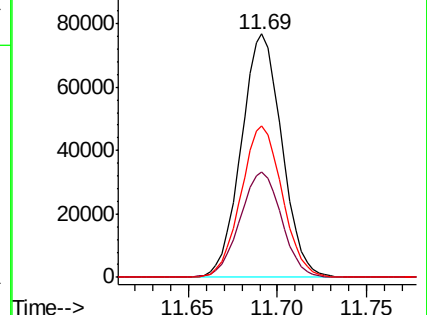
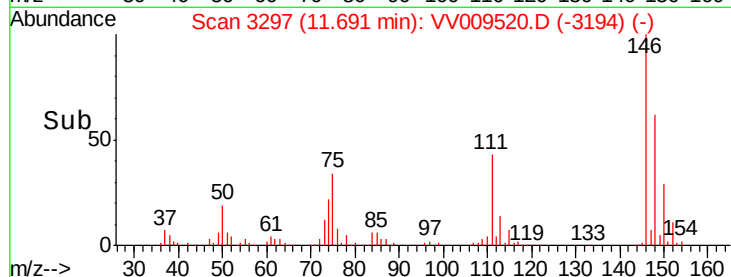
148 62.4 50.6 76.0



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: 19.393 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

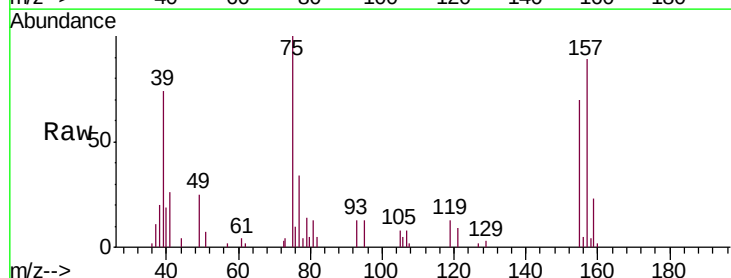
Tgt Ion: 75 Resp: 9254

Ion Ratio Lower Upper

75 100

157 88.8 81.0 121.4

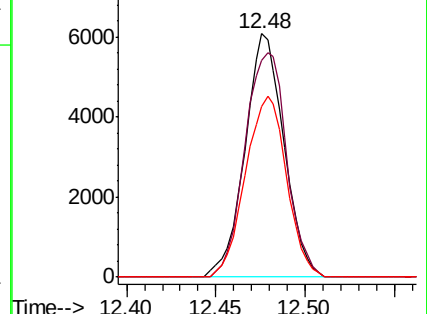
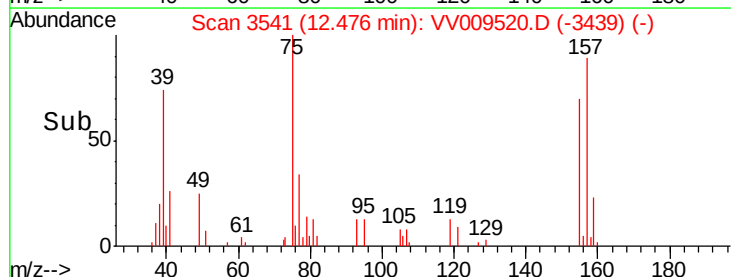
155 69.9 61.2 91.8

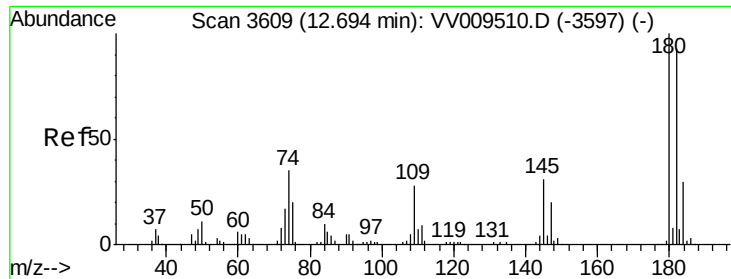


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

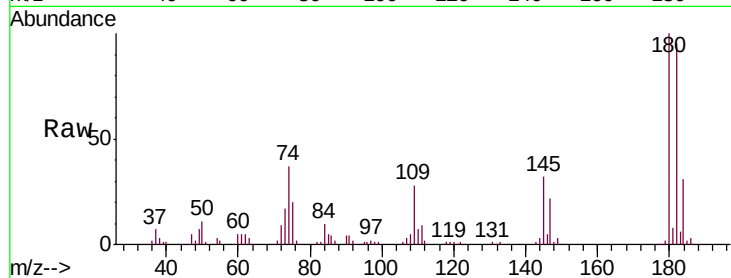




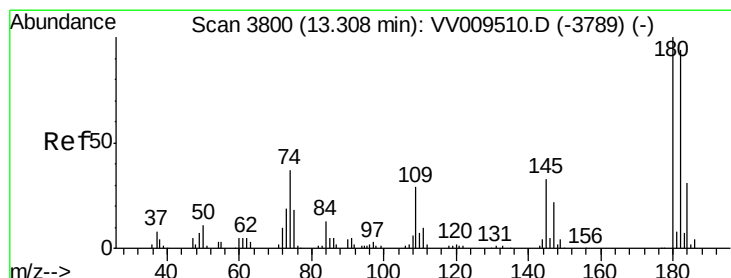
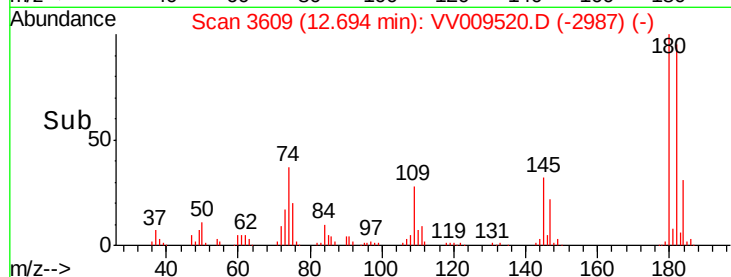
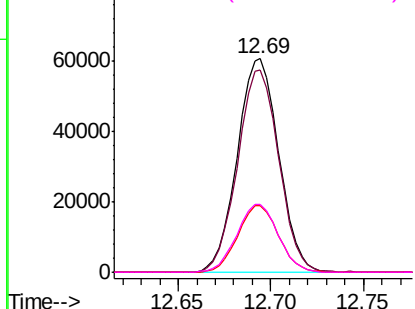
#67
 1,3,5-Trichlorobenzene
 Concen: 25.716 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02569

Tgt Ion:180 Resp: 94236
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 184 30.7 23.9 35.9
 145 31.8 26.0 39.0

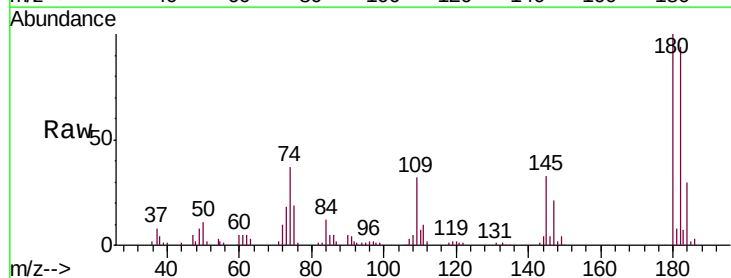


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

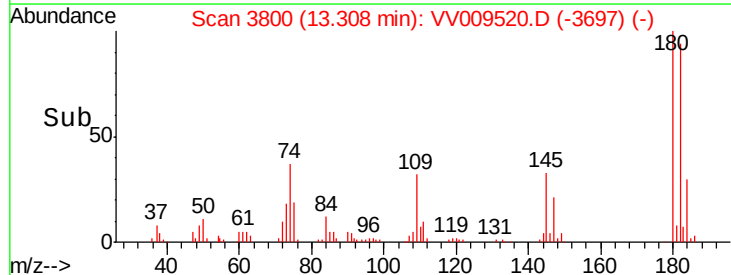
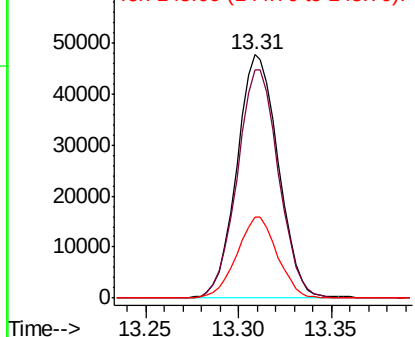


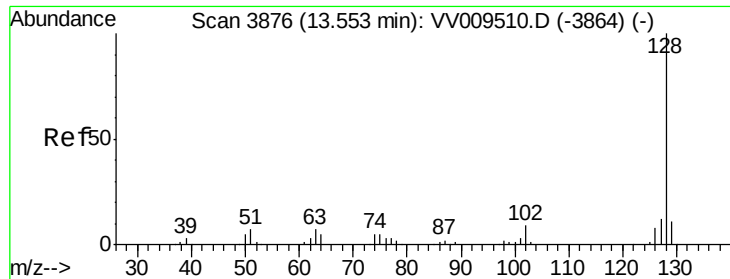
#68
 1,2,4-trichlorobenzene
 Concen: 25.184 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV009520.D
 Acq: 06 Mar 2019 16:46

Tgt Ion:180 Resp: 73888
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.9 113.9
 145 32.6 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: 21.114 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

Instrument :

MSVOA_V

ClientSampleId :

VSTD02569

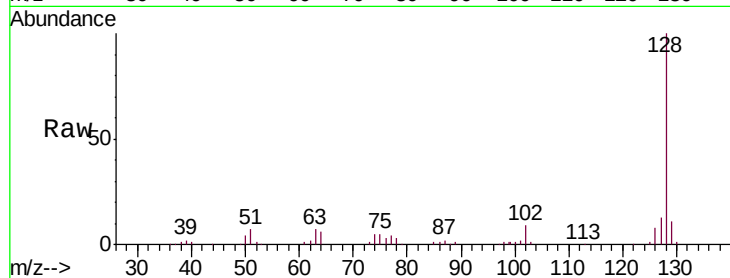
Tgt Ion:128 Resp: 130479

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

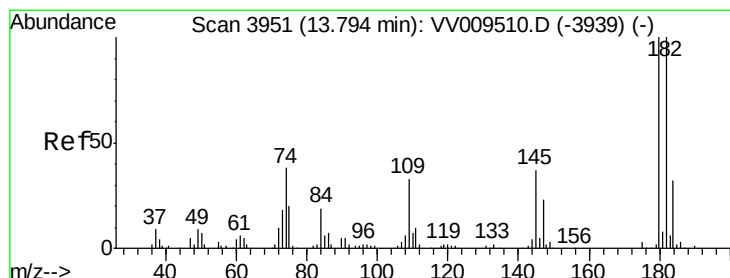
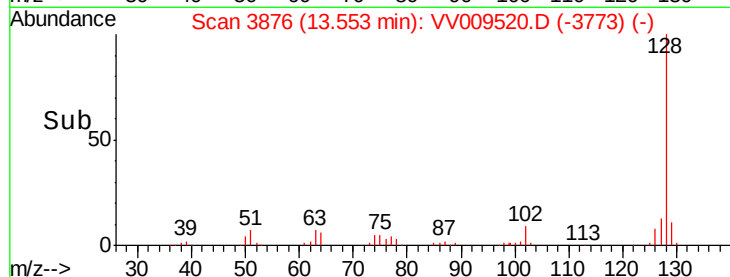
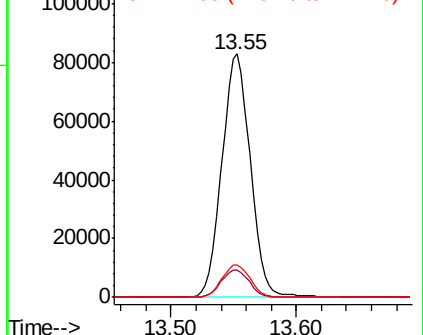
127 13.1 10.6 16.0



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: 24.558 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009520.D

Acq: 06 Mar 2019 16:46

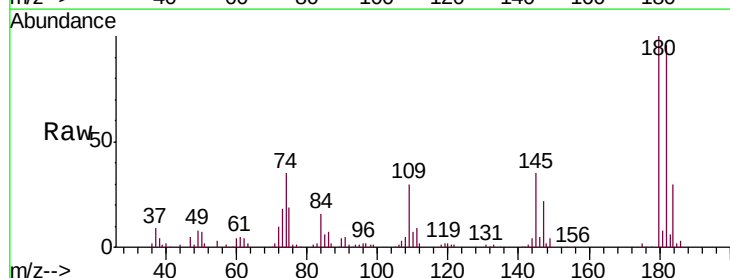
Tgt Ion:180 Resp: 66285

Ion Ratio Lower Upper

180 100

182 95.0 74.2 111.2

145 34.7 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

