

Data File : VV008119.D
Acq On : 06 Oct 2018 00:59
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Quant Time: Oct 06 02:16:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 01:03:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	99568	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	96796	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49909	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29605	4.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.80%
7) Chloroethane-d5	1.59	69	24383	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.14	63	57337	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.96	46	76452	51.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.98%
24) Chloroform-d	4.41	84	64356	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.09	65	30761	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.10	84	119782	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
36) 1,2-Dichloropropane-d6	6.12	67	36896	4.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.00%
41) Toluene-d8	7.36	98	119816	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.67	79	12848	4.70	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.00%
46) 2-Hexanone-d5	8.14	63	57318	52.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.32%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	27194	4.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	46241	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	34138	5.057	ug/L	97
3) Chloromethane	1.25	50	28752	5.053	ug/L	99
5) Vinyl chloride	1.33	62	33700	5.320	ug/L	99
6) Bromomethane	1.54	94	16485	5.493	ug/L	99
8) Chloroethane	1.60	64	21140	4.994	ug/L	95
9) Trichlorofluoromethane	1.77	101	56271	5.185	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32227	4.994	ug/L	98
12) 1,1-Dichloroethene	2.15	96	28001	5.191	ug/L	95
13) Acetone	2.21	43	46089	46.262	ug/L	100
14) Carbon disulfide	2.32	76	66177	4.821	ug/L	97
15) Methyl Acetate	2.47	43	11741	4.964	ug/L	99
16) Methylene chloride	2.54	84	30521	4.664	ug/L	97
17) Methyl tert-butyl Ether	2.81	73	70214	5.193	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	29882	5.075	ug/L	99
19) 1,1-Dichloroethane	3.23	63	59542	5.311	ug/L	100
21) 2-Butanone	4.05	43	81031	50.418	ug/L	98
22) cis-1,2-Dichloroethene	3.97	96	34851	5.248	ug/L	97

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	15612	5.178	ug/L	95
25) Chloroform	4.43	83	63454	5.260	ug/L	98
27) 1,2-Dichloroethane	5.19	62	37548	5.298	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	54889	5.106	ug/L	99
30) Cyclohexane	4.73	56	44536	4.988	ug/L	98
31) Carbon tetrachloride	4.88	117	48829	5.055	ug/L	98
33) Benzene	5.15	78	129686	5.310	ug/L	100
34) Trichloroethene	5.96	95	35125	4.928	ug/L	98
35) Methylcyclohexane	6.18	83	47680	4.789	ug/L	99
37) 1,2-Dichloropropane	6.23	63	33979	5.156	ug/L	99
38) Bromodichloromethane	6.56	83	40981	5.083	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	41575	4.919	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	198876	53.248	ug/L	99
42) Toluene	7.43	91	142207	5.481	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	34542	5.026	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	24173	5.229	ug/L	97
47) Tetrachloroethene	8.02	164	31753	4.988	ug/L	95
48) 2-Hexanone	8.19	43	142822	56.327	ug/L	97
49) Dibromochloromethane	8.29	129	29160	5.057	ug/L	100
50) 1,2-Dibromoethane	8.40	107	21447	5.110	ug/L	95
51) Chlorobenzene	8.93	112	93509	5.153	ug/L	99
52) Ethylbenzene	9.06	91	147840	5.221	ug/L	99
53) m,p-xylene	9.18	106	57854	5.389	ug/L	96
54) o-xylene	9.59	106	56105	5.474	ug/L	99
55) Styrene	9.61	104	96540	5.531	ug/L	99
56) Isopropylbenzene	9.98	105	151284	5.366	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	27690	5.167	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	20219	5.255	ug/L	95
61) Bromoform	9.78	173	15873	5.165	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	76806	5.169	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	78683	5.195	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	76244	5.311	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	3902	5.205	ug/L	94
67) 1,3,5-Trichlorobenzene	12.70	180	65449	5.169	ug/L	98
68) 1,2,4-trichlorobenzene	13.32	180	48520	5.137	ug/L	98
69) Naphthalene	13.56	128	60589	5.024	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	47334	5.270	ug/L	100

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

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MSVOA_V
ClientSampleId :
VSTD00576

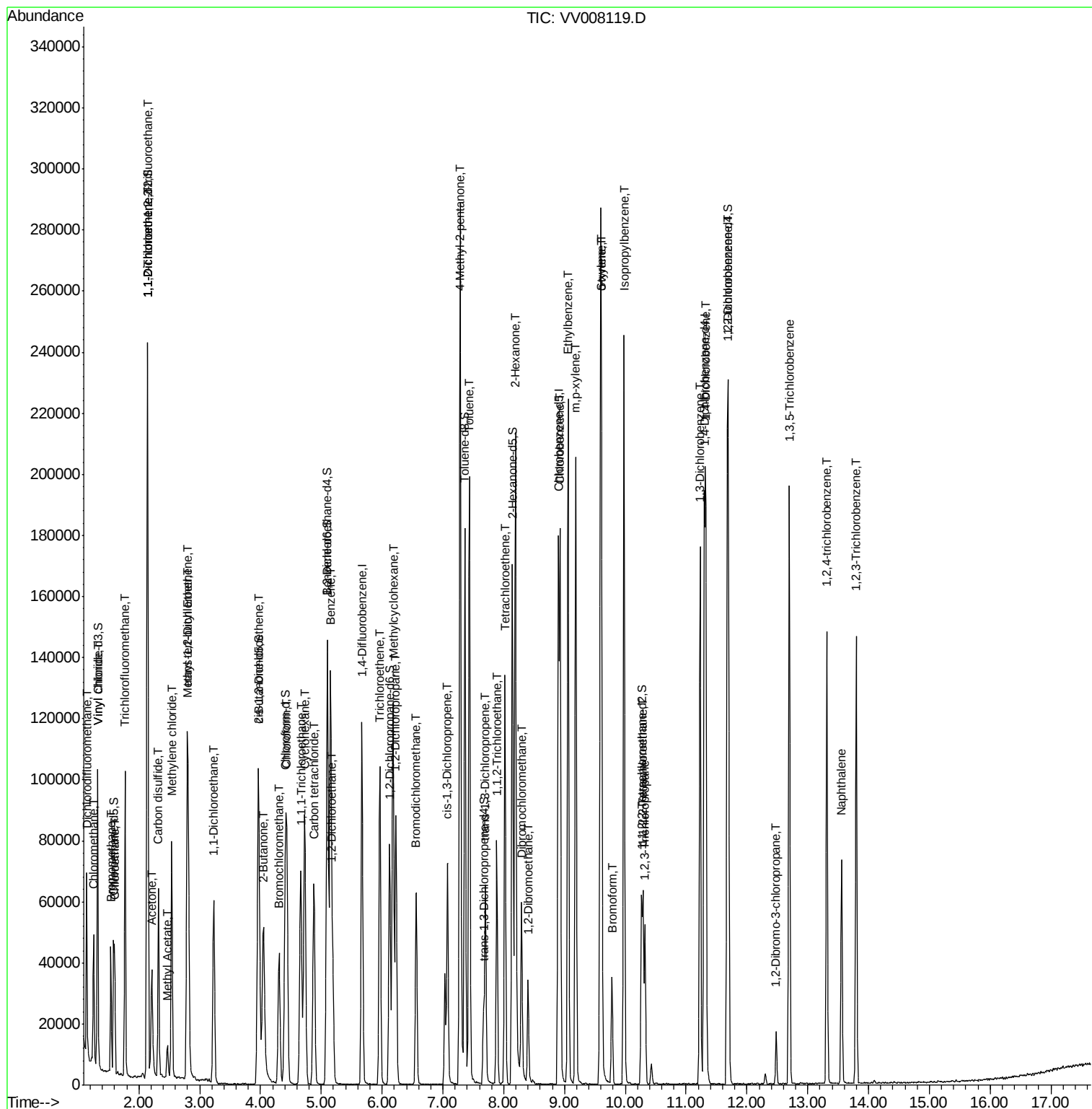
Quant Time: Oct 06 02:16:41 2018

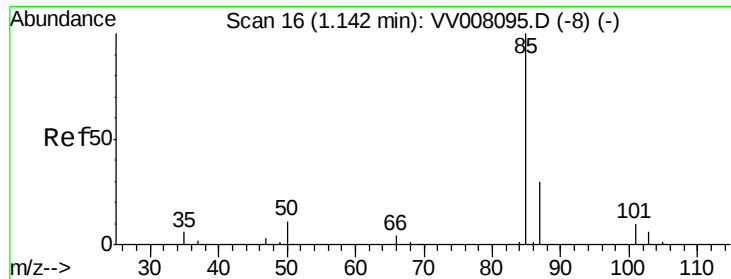
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR100518WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.057 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

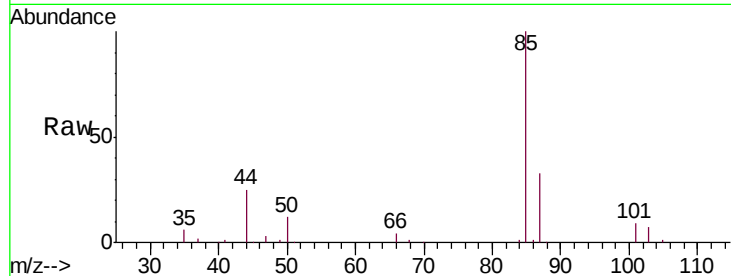
VSTD00576

Tgt Ion: 85 Resp: 34138

Ion Ratio Lower Upper

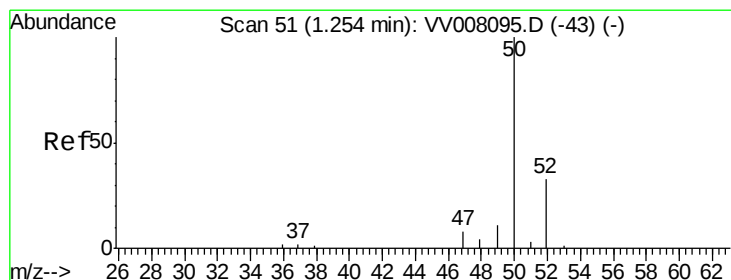
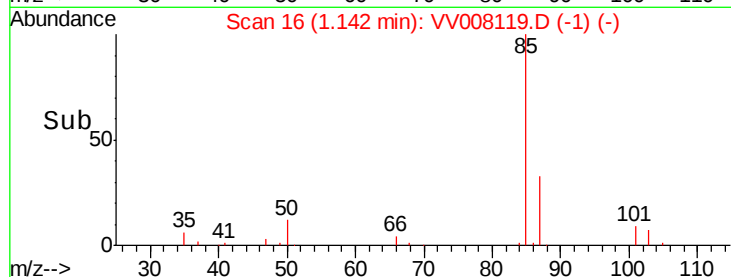
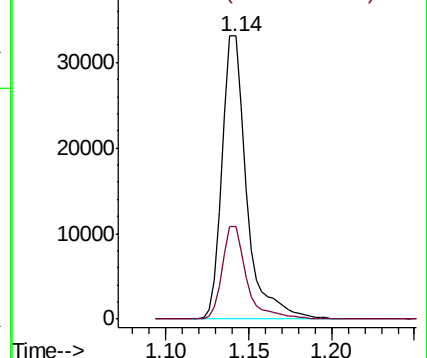
85 100

87 32.3 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.053 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008119.D

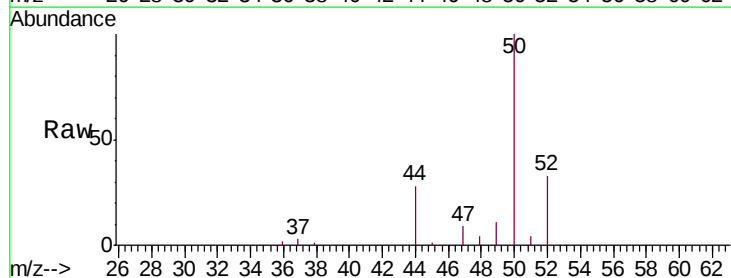
Acq: 06 Oct 2018 00:59

Tgt Ion: 50 Resp: 28752

Ion Ratio Lower Upper

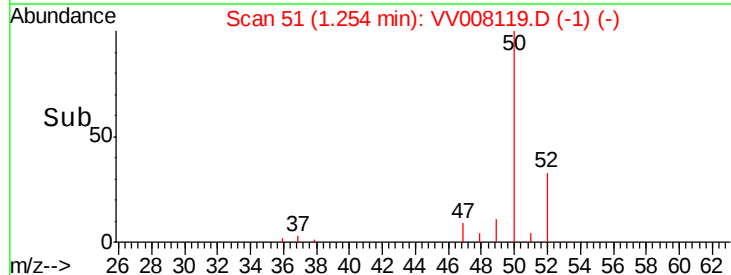
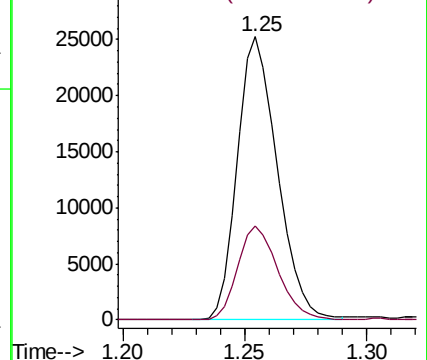
50 100

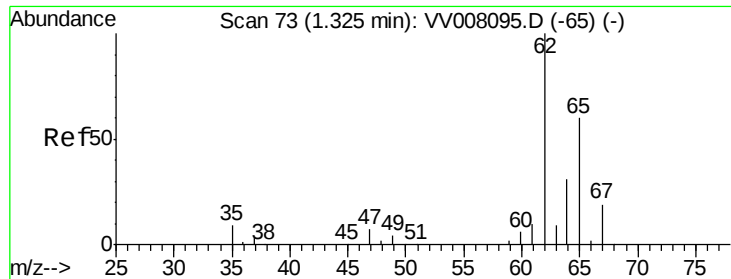
52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.320 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

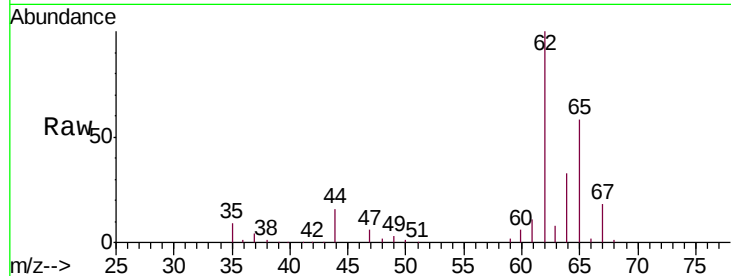
VSTD00576

Tgt Ion: 62 Resp: 33700

Ion Ratio Lower Upper

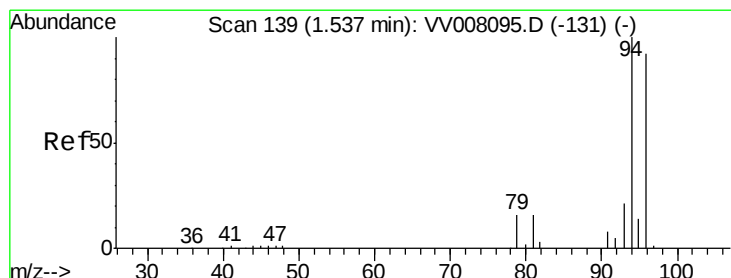
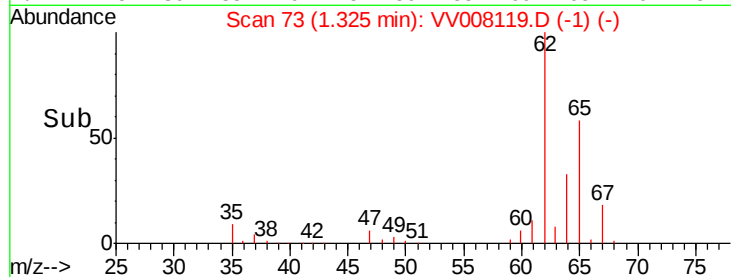
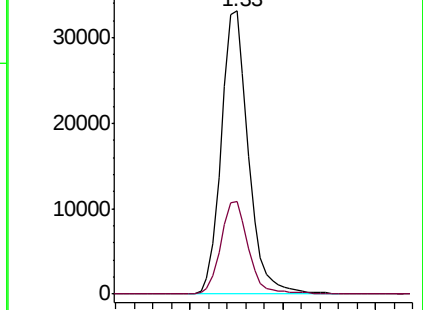
62 100

64 32.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008095.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008119.D (-46) (-)



#6

Bromomethane

Concen: 5.493 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008119.D

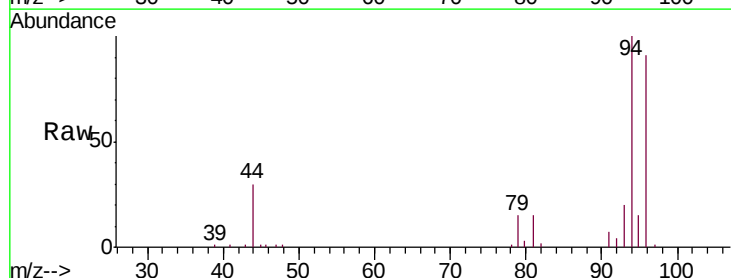
Acq: 06 Oct 2018 00:59

Tgt Ion: 94 Resp: 16485

Ion Ratio Lower Upper

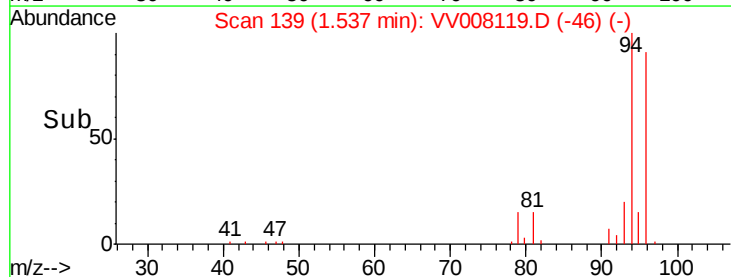
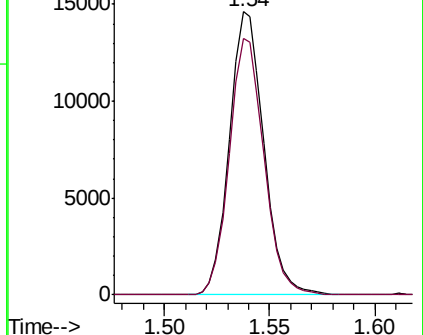
94 100

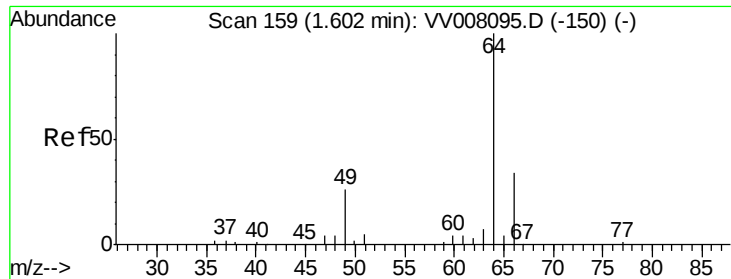
96 90.8 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008095.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008119.D (-46) (-)





#8

Chloroethane

Concen: 4.994 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

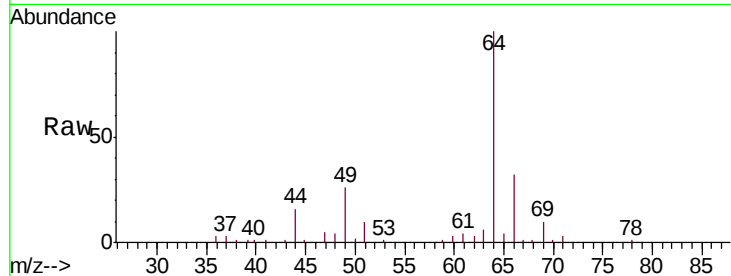
VSTD00576

Tgt Ion: 64 Resp: 21140

Ion Ratio Lower Upper

64 100

66 31.7 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008119.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008119.D (-150) (-)

1.60

20000

15000

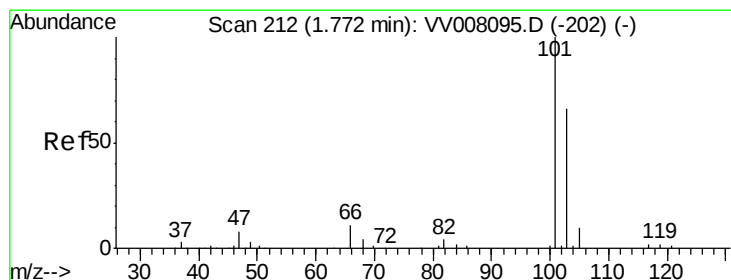
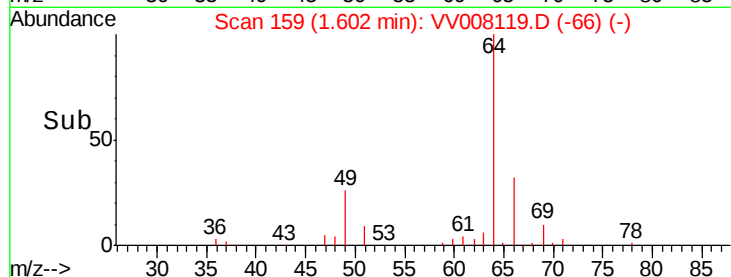
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.185 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008119.D

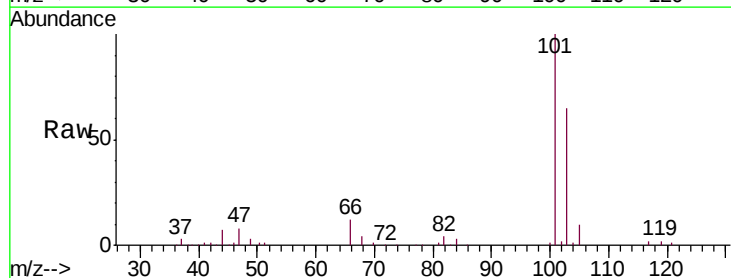
Acq: 06 Oct 2018 00:59

Tgt Ion: 101 Resp: 56271

Ion Ratio Lower Upper

101 100

103 64.7 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008119.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008119.D (-202) (-)

1.77

50000

40000

30000

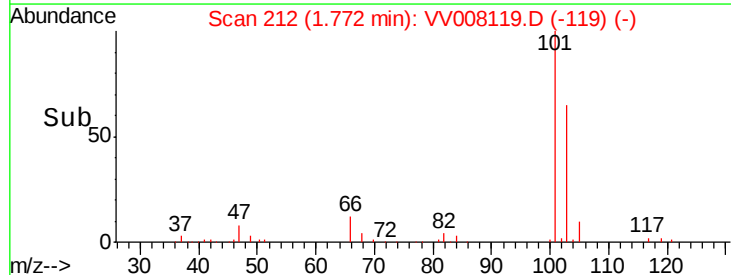
20000

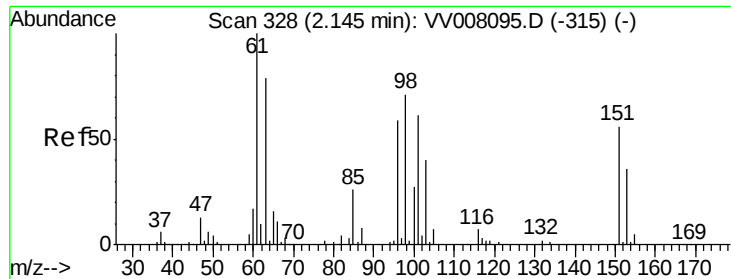
10000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 4.994 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

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ClientSampleId :

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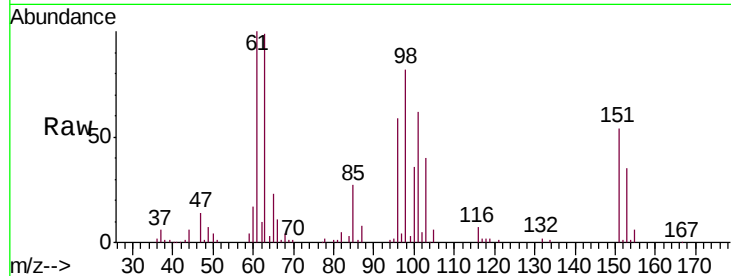
Tgt Ion:101 Resp: 32227

Ion Ratio Lower Upper

101 100

85 42.4 35.4 53.0

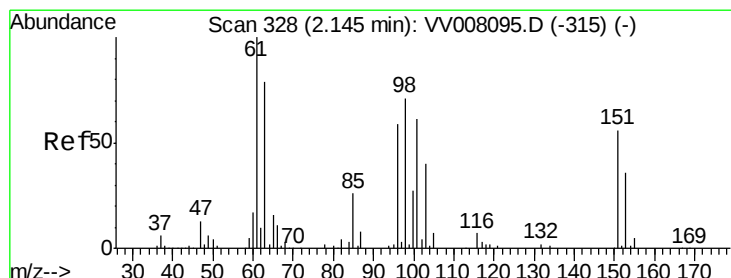
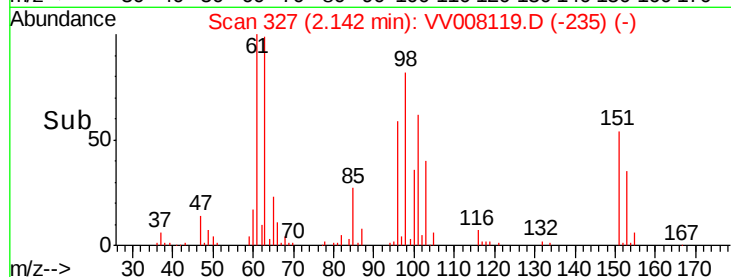
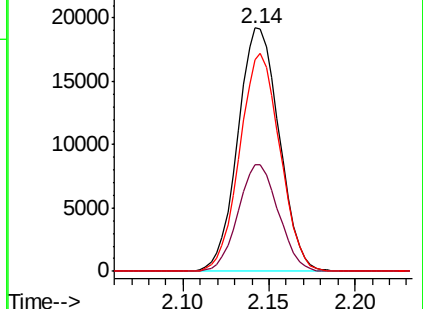
151 87.0 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.191 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

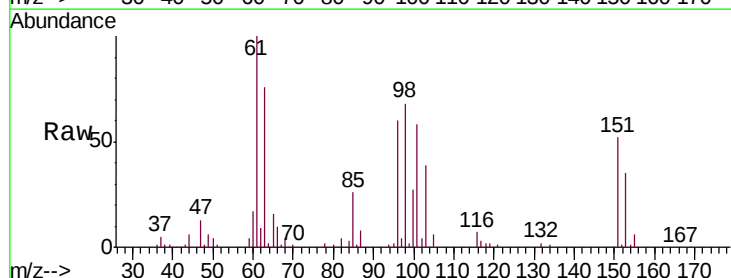
Tgt Ion: 96 Resp: 28001

Ion Ratio Lower Upper

96 100

61 166.6 114.7 213.1

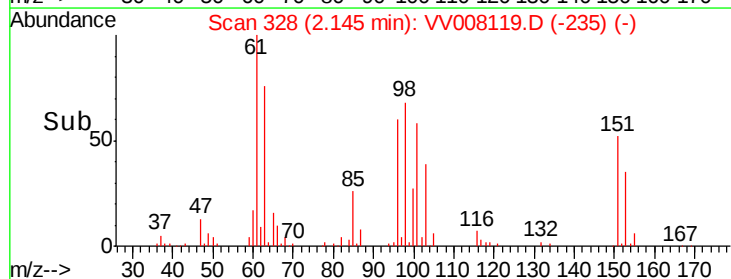
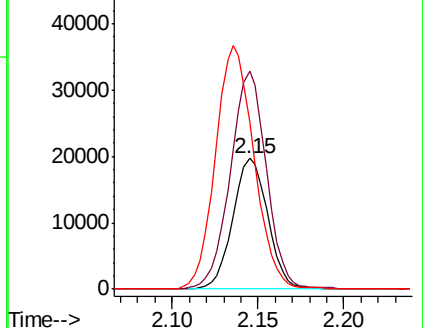
63 127.3 96.9 179.9

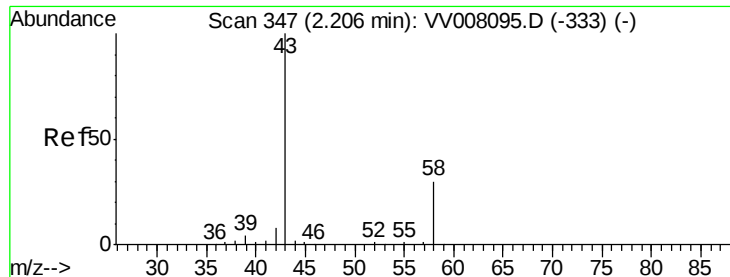


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 46.262 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

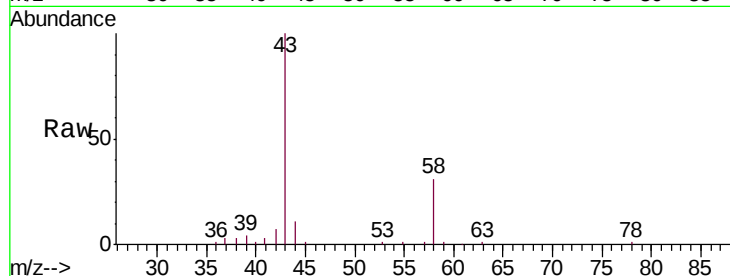
VSTD00576

Tgt Ion: 43 Resp: 46089

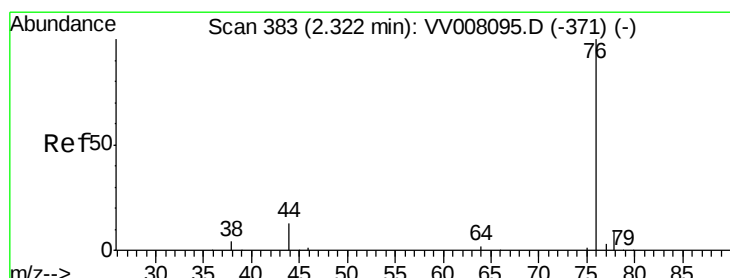
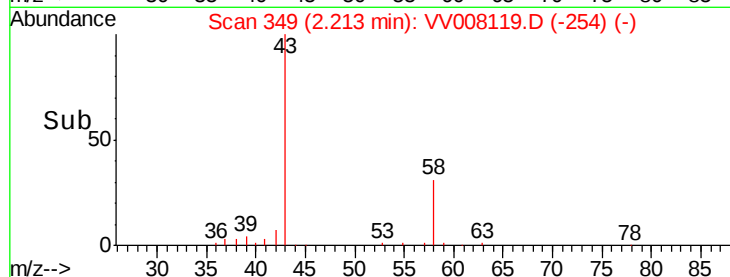
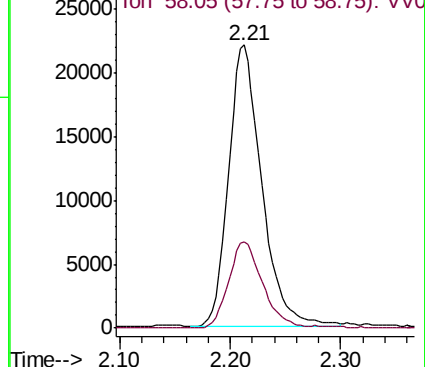
Ion Ratio Lower Upper

43 100

58 31.3 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008119.D (-254) (-)



#14

Carbon disulfide

Concen: 4.821 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008119.D

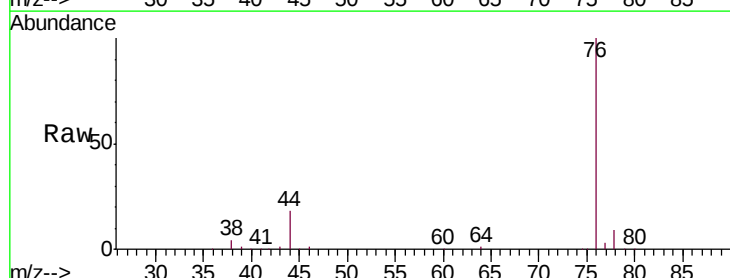
Acq: 06 Oct 2018 00:59

Tgt Ion: 76 Resp: 66177

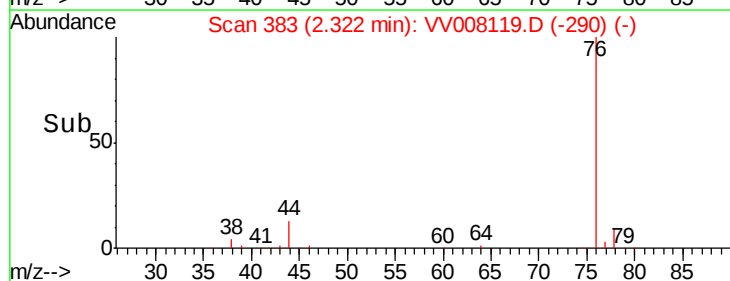
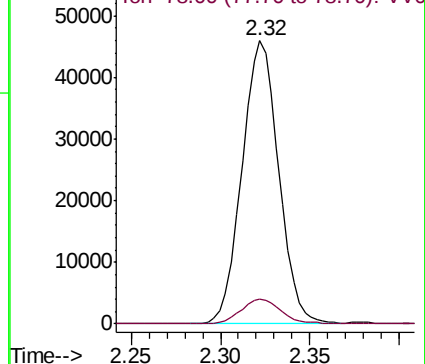
Ion Ratio Lower Upper

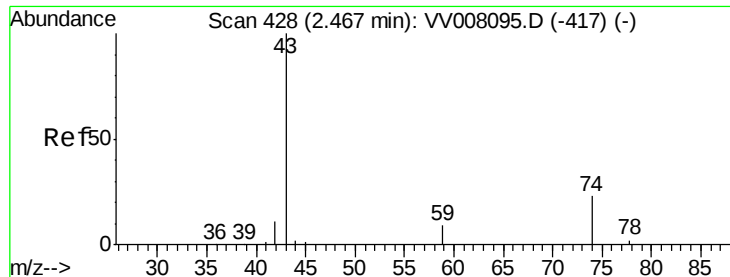
76 100

78 8.9 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008119.D (-290) (-)

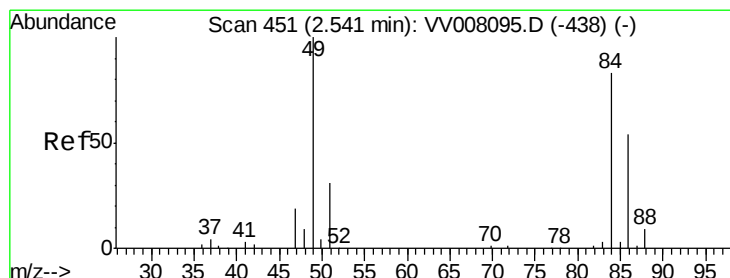
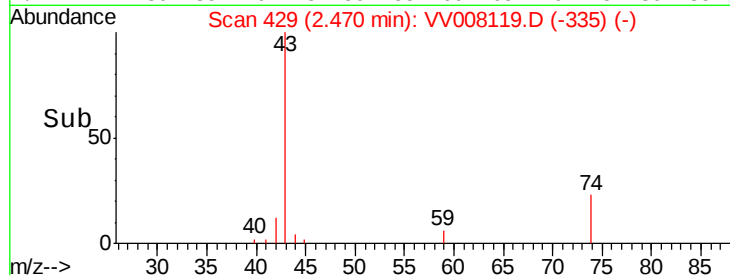
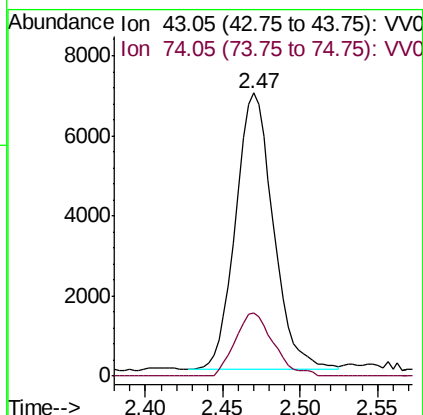
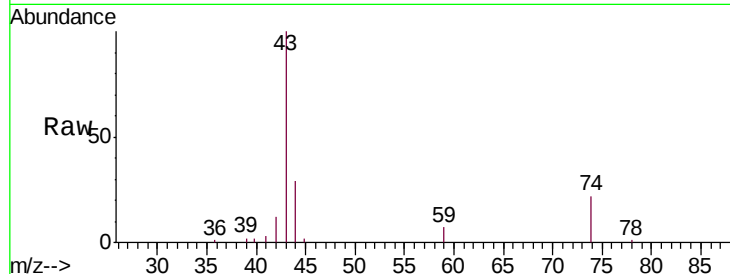




#15
Methyl Acetate
Concen: 4.964 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

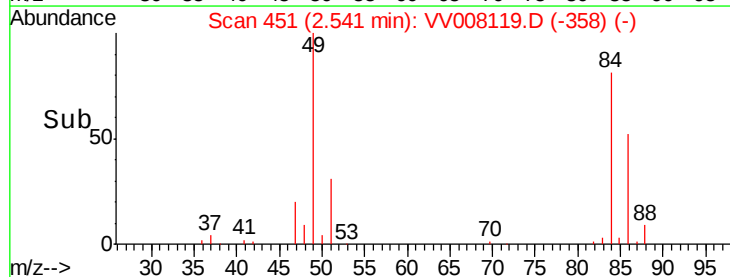
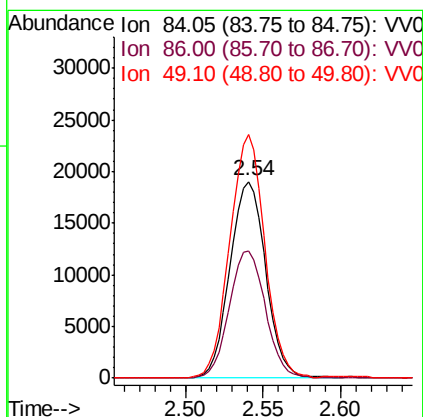
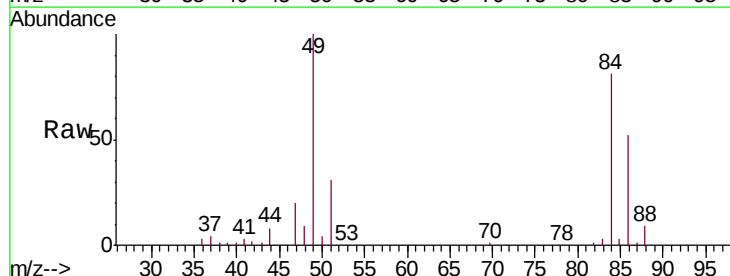
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

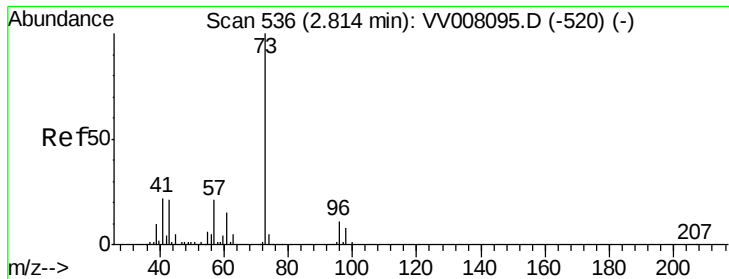
Tgt Ion: 43 Resp: 11741
Ion Ratio Lower Upper
43 100
74 23.1 18.1 27.1



#16
Methylene chloride
Concen: 4.664 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion: 84 Resp: 30521
Ion Ratio Lower Upper
84 100
86 64.6 45.3 84.1
49 123.9 83.0 154.1

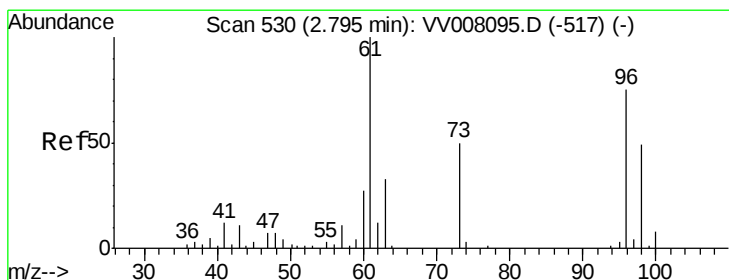
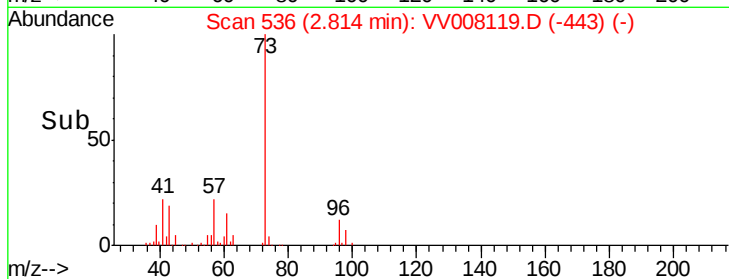
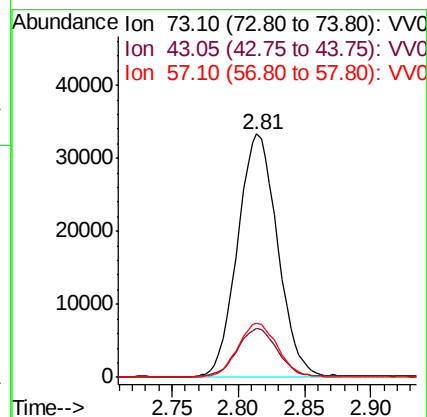
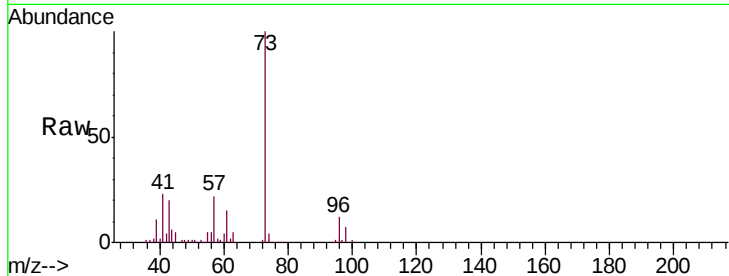




#17
Methyl tert-butyl Ether
Concen: 5.193 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

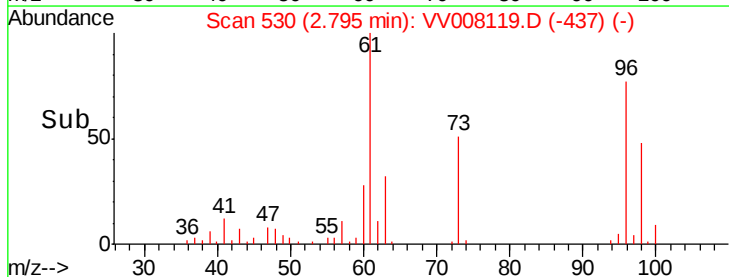
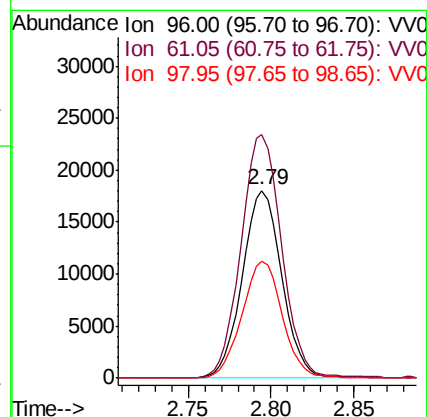
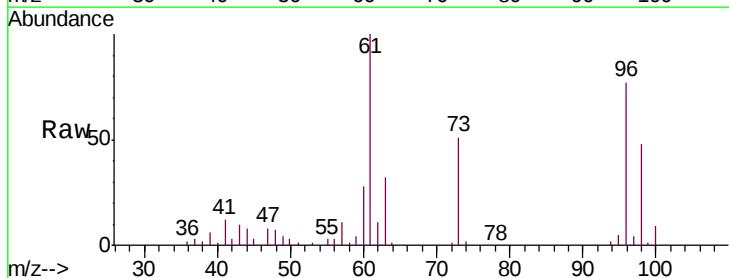
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

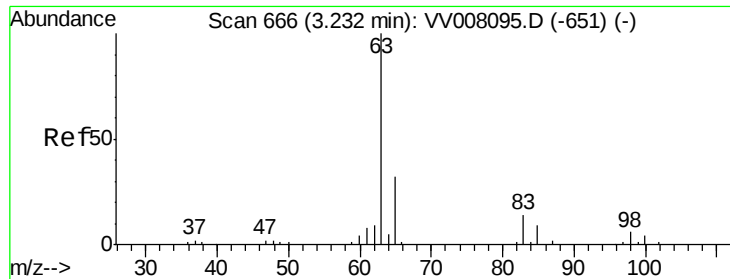
Tgt Ion: 73 Resp: 70214
Ion Ratio Lower Upper
73 100
43 19.7 17.0 25.4
57 22.3 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 5.075 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion: 96 Resp: 29882
Ion Ratio Lower Upper
96 100
61 129.6 91.6 170.2
98 62.5 44.4 82.5

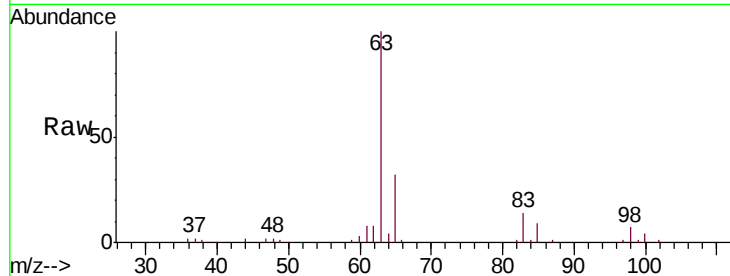




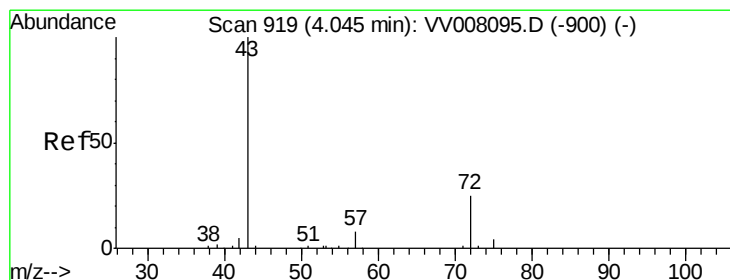
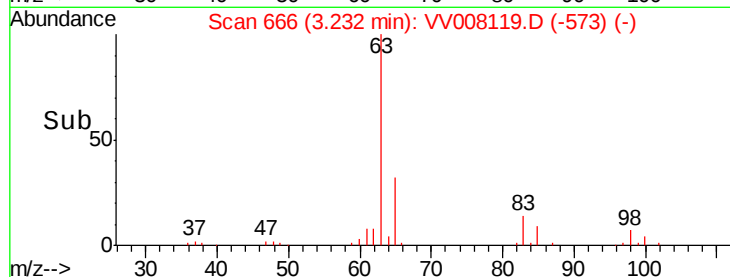
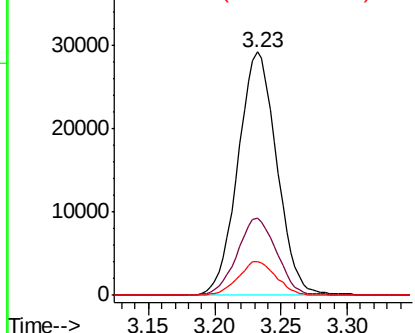
#19
 1,1-Dichloroethane
 Concen: 5.311 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion: 63 Resp: 59542
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.4 41.6
 83 14.1 9.6 17.8

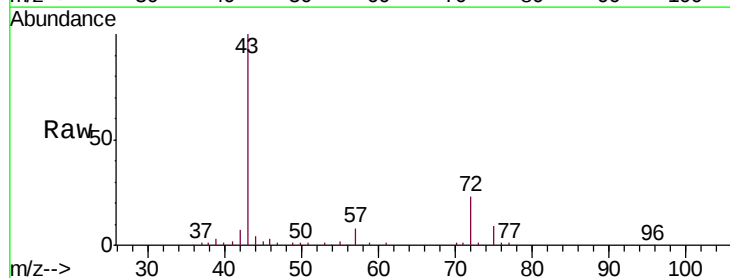


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

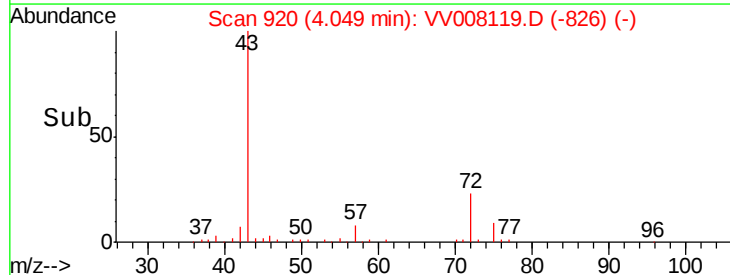
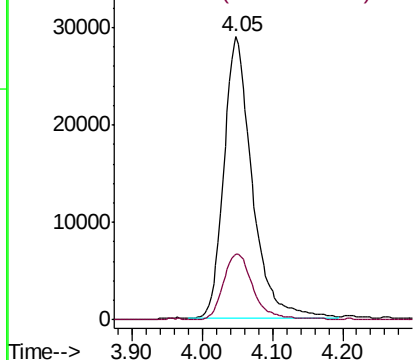


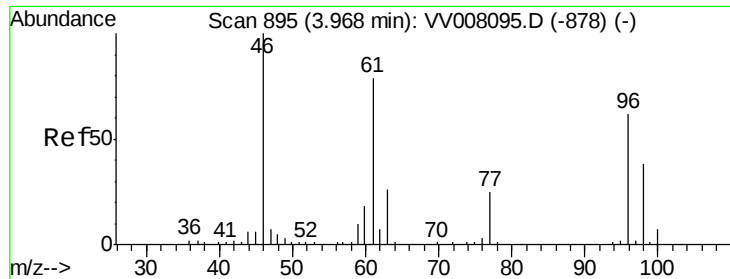
#21
 2-Butanone
 Concen: 50.418 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion: 43 Resp: 81031
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0



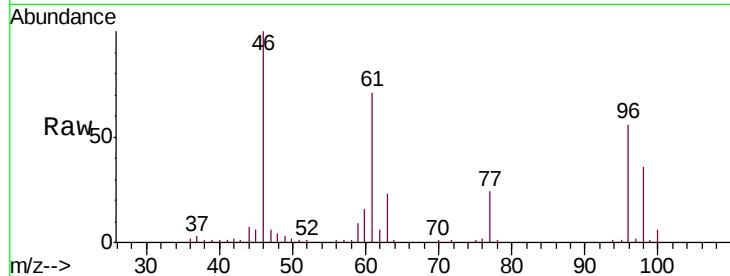


#22

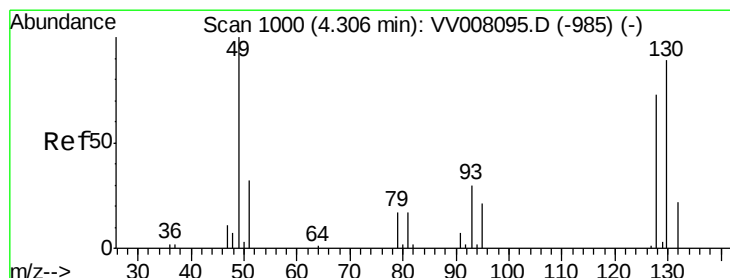
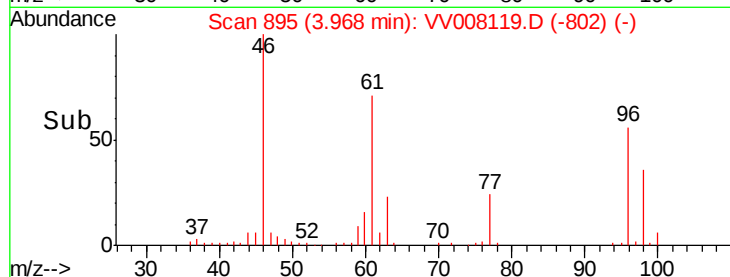
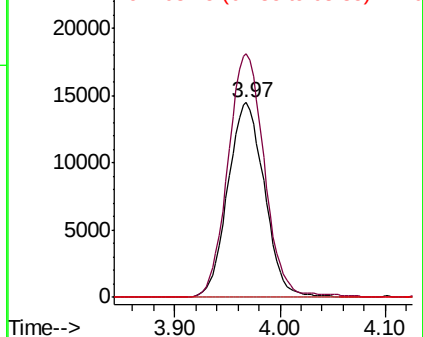
cis-1,2-Dichloroethene
Concen: 5.248 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion: 96 Resp: 34851
Ion Ratio Lower Upper
96 100
61 125.1 85.1 158.1
68 0.0 0.0 0.0



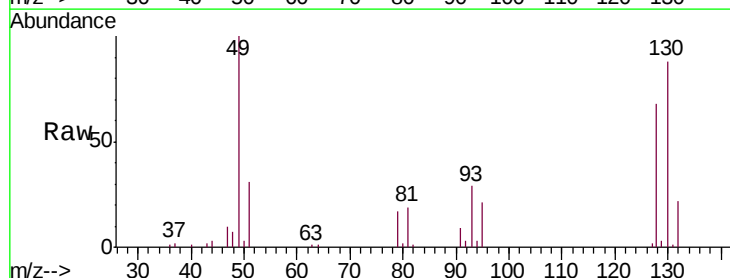
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



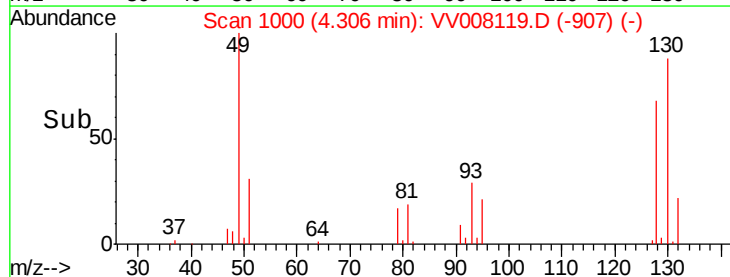
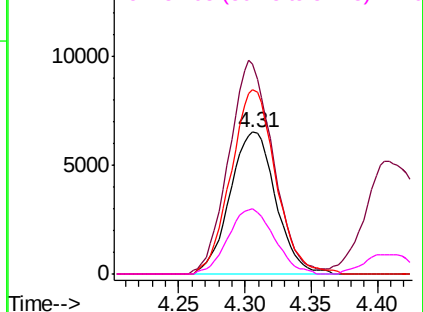
#23

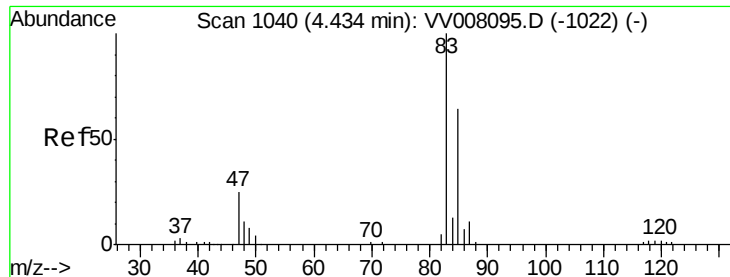
Bromochloromethane
Concen: 5.178 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion: 128 Resp: 15612
Ion Ratio Lower Upper
128 100
49 148.0 99.8 185.3
130 130.3 85.5 158.7
51 45.7 38.0 57.0



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

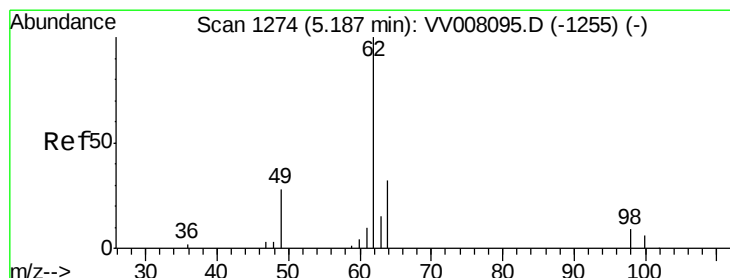
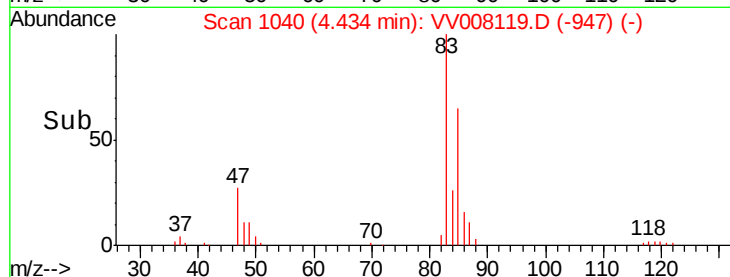
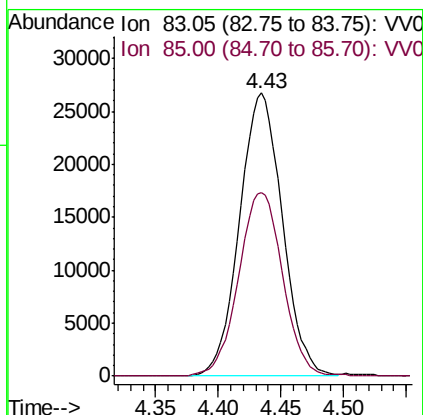
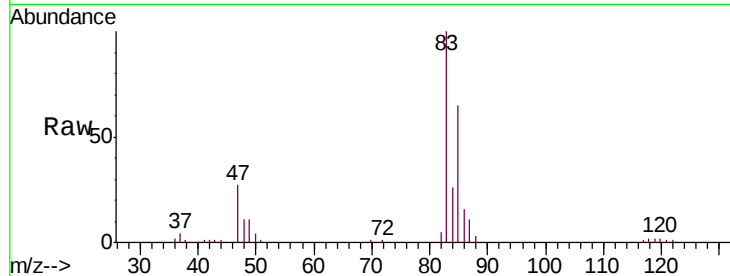




#25
 Chloroform
 Concen: 5.260 ug/L
 RT: 4.43 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

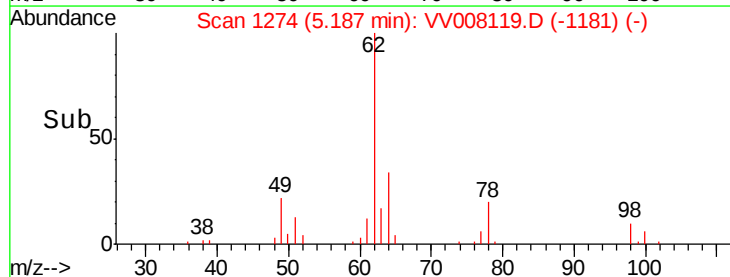
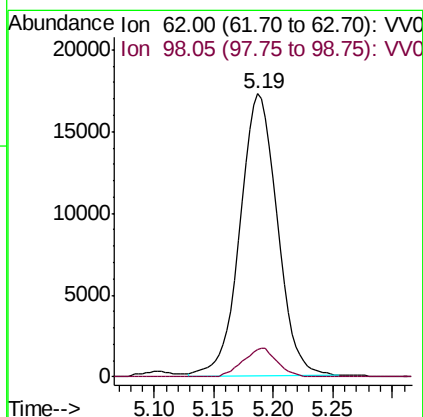
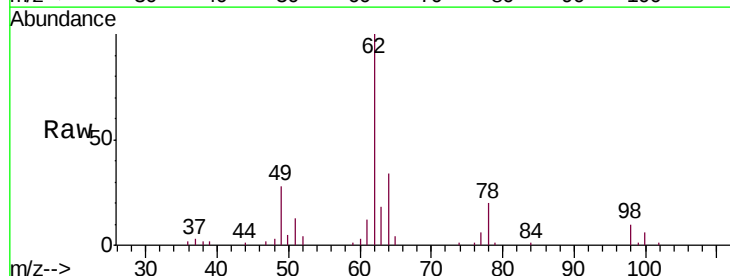
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

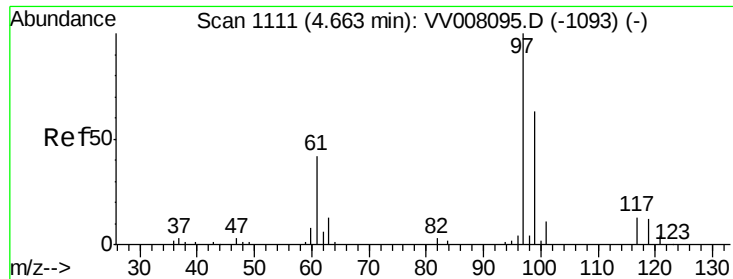
Tgt Ion: 83 Resp: 63454
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.6 82.8



#27
 1,2-Dichloroethane
 Concen: 5.298 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion: 62 Resp: 37548
 Ion Ratio Lower Upper
 62 100
 98 9.6 7.3 10.9

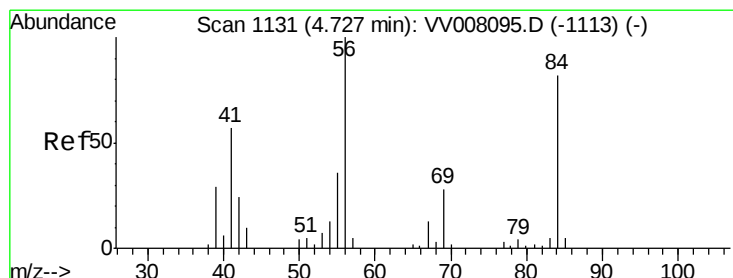
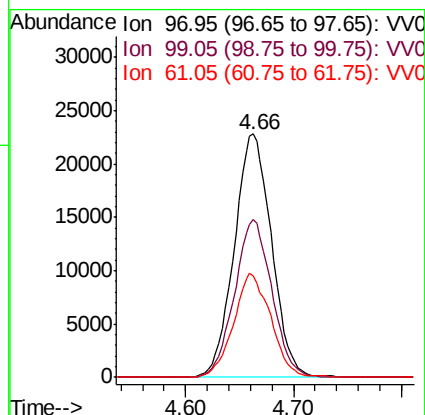
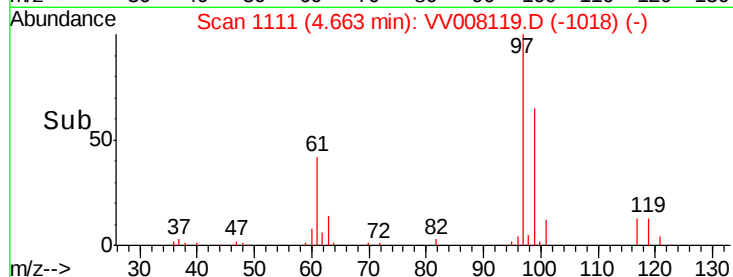
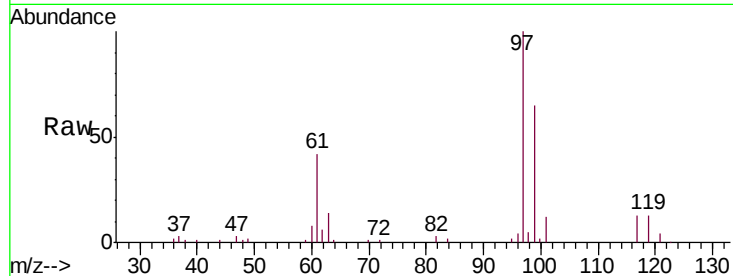




#29
1,1,1-Trichloroethane
Concen: 5.106 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

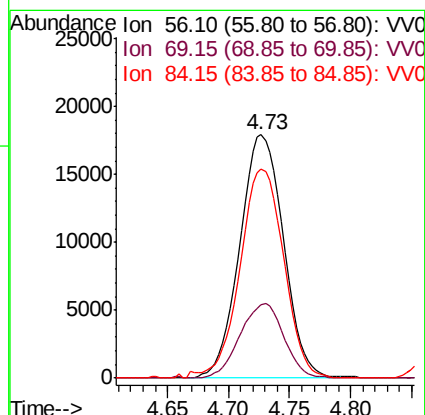
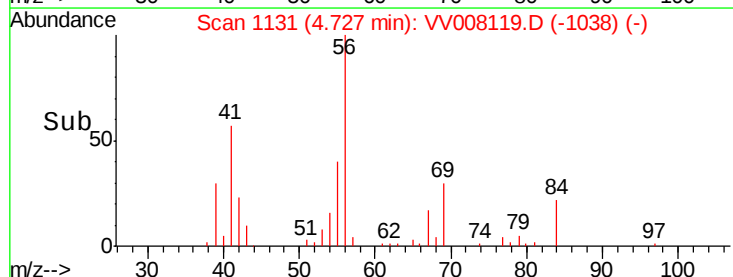
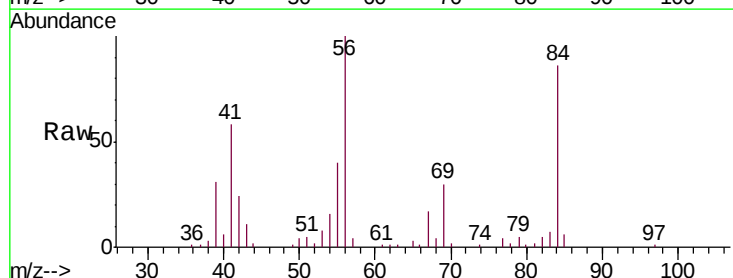
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

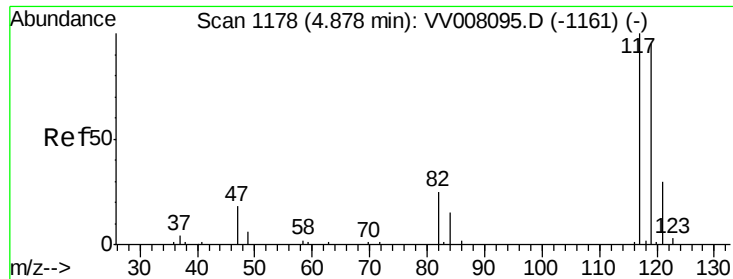
Tgt Ion: 97 Resp: 54889
Ion Ratio Lower Upper
97 100
99 64.6 51.0 76.4
61 42.5 34.0 51.0



#30
Cyclohexane
Concen: 4.988 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion: 56 Resp: 44536
Ion Ratio Lower Upper
56 100
69 30.7 24.6 36.8
84 85.9 70.7 106.1





#31

Carbon tetrachloride

Concen: 5.055 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

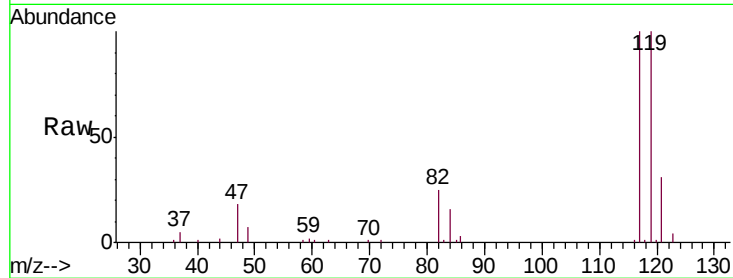
VSTD00576

Tgt Ion:117 Resp: 48829

Ion Ratio Lower Upper

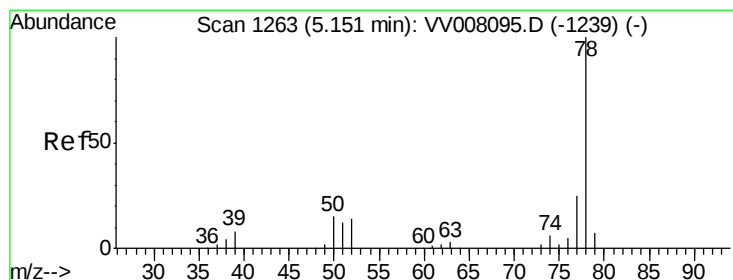
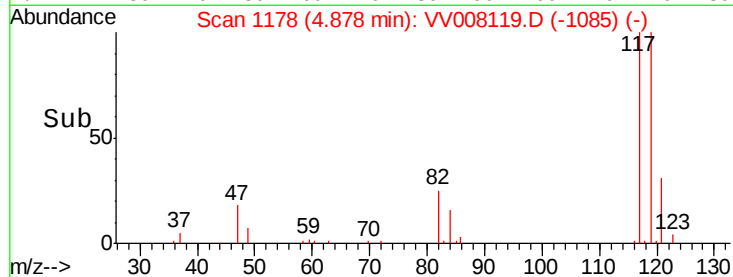
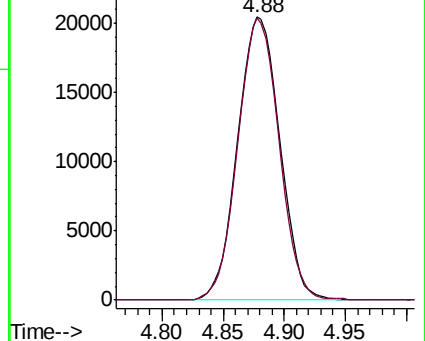
117 100

119 97.4 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.310 ug/L

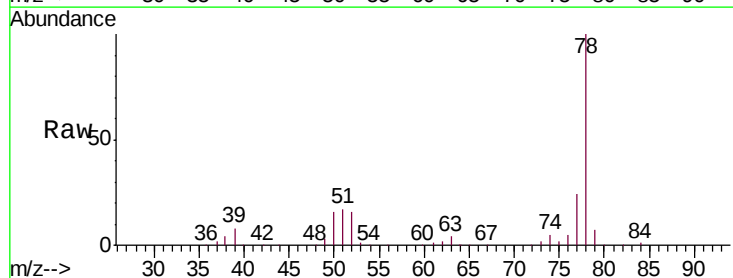
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

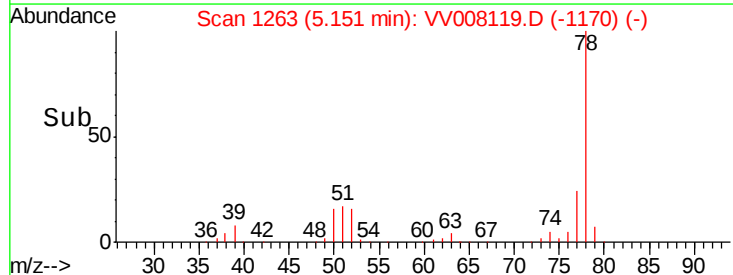
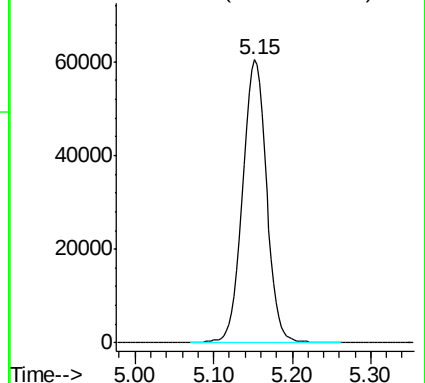
Lab File: VV008119.D

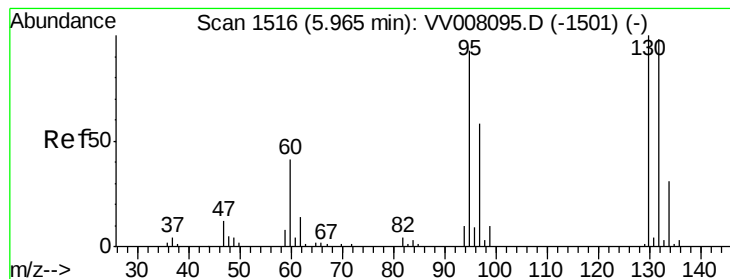
Acq: 06 Oct 2018 00:59

Tgt Ion: 78 Resp: 129686



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.928 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. -0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

Tgt Ion: 95 Resp: 35125

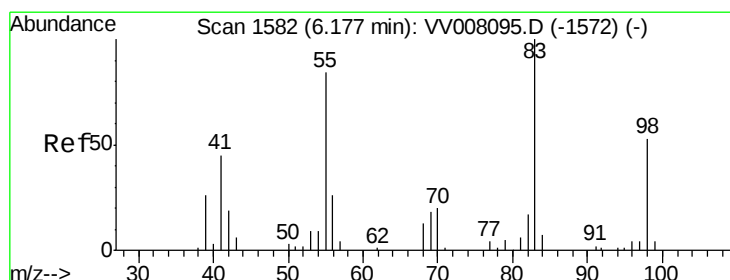
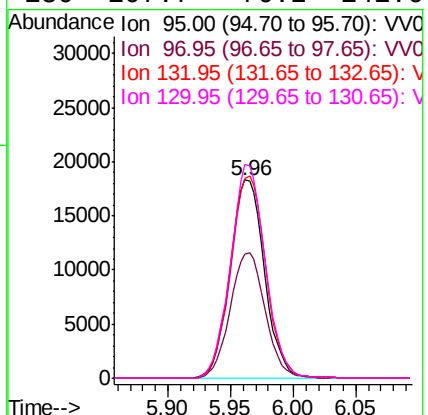
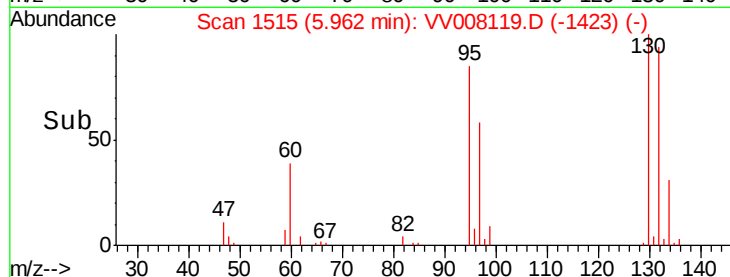
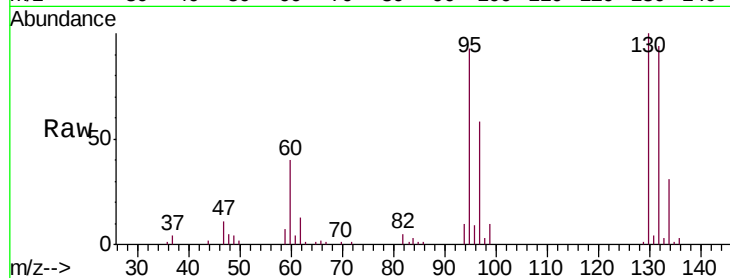
Ion Ratio Lower Upper

95 100

97 62.6 44.9 83.5

132 101.0 73.6 136.6

130 107.7 76.2 141.6



#35

Methylcyclohexane

Concen: 4.789 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

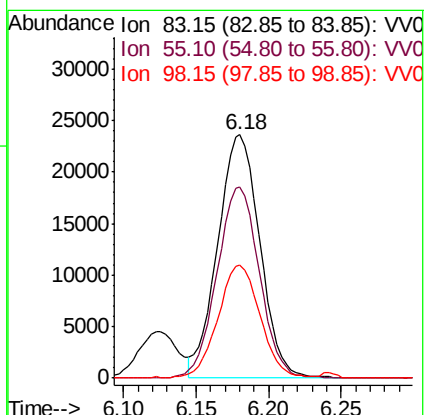
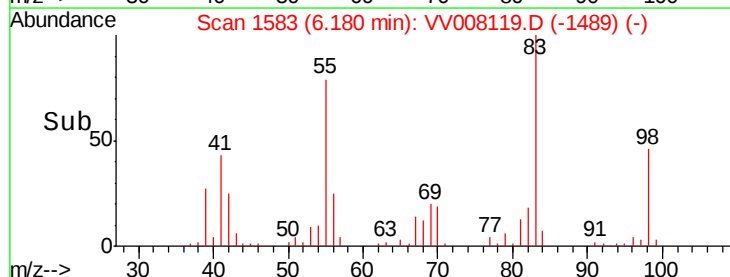
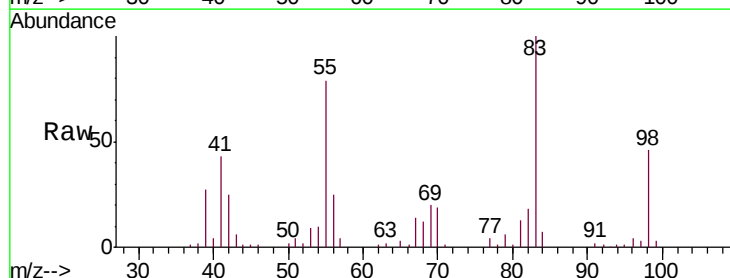
Tgt Ion: 83 Resp: 47680

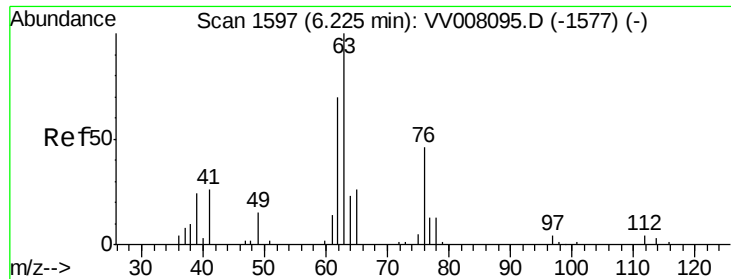
Ion Ratio Lower Upper

83 100

55 78.8 63.6 95.4

98 46.5 38.3 57.5

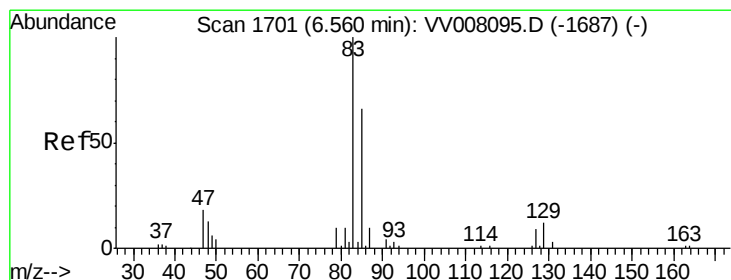
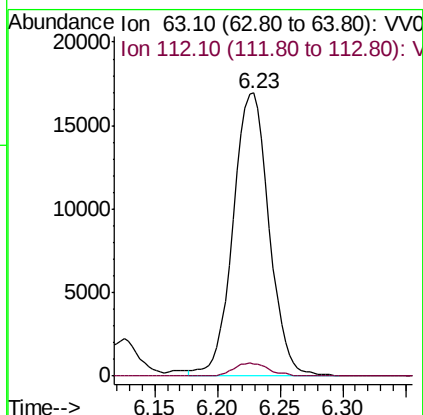
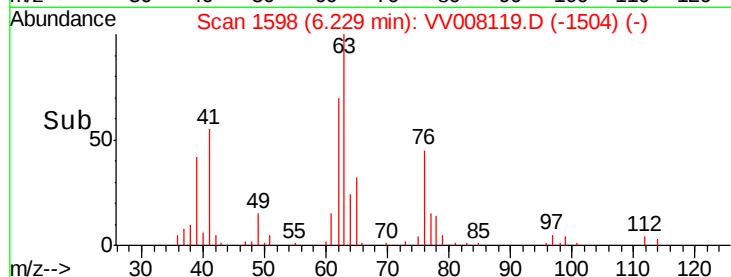
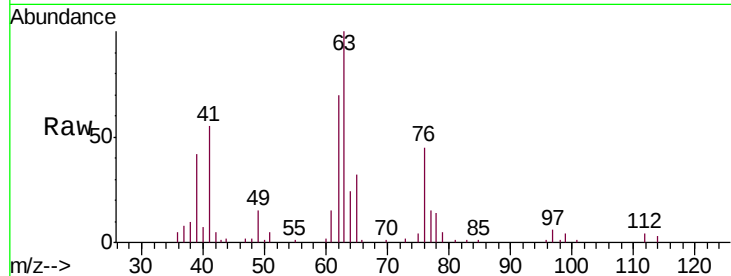




#37
 1,2-Dichloropropane
 Concen: 5.156 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

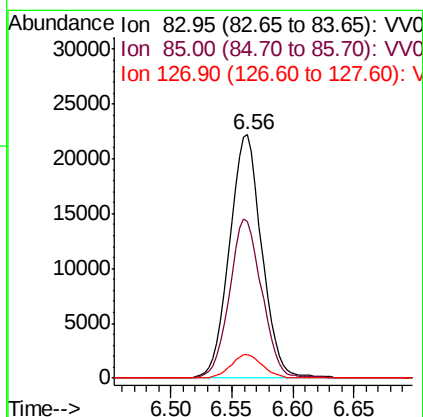
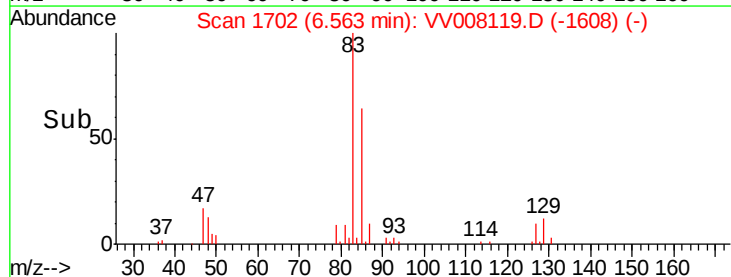
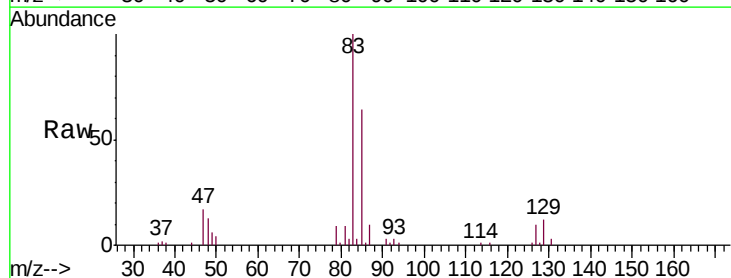
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

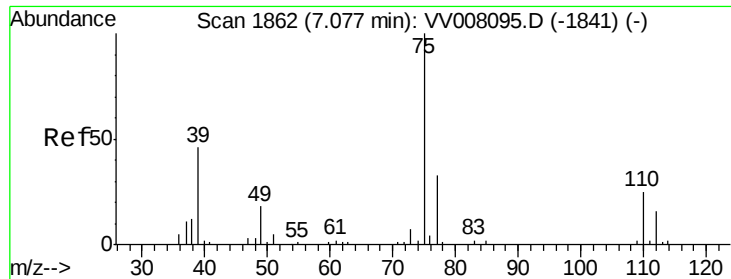
Tgt Ion: 63 Resp: 33979
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.083 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion: 83 Resp: 40981
 Ion Ratio Lower Upper
 83 100
 85 64.2 42.5 78.9
 127 9.5 7.7 11.5

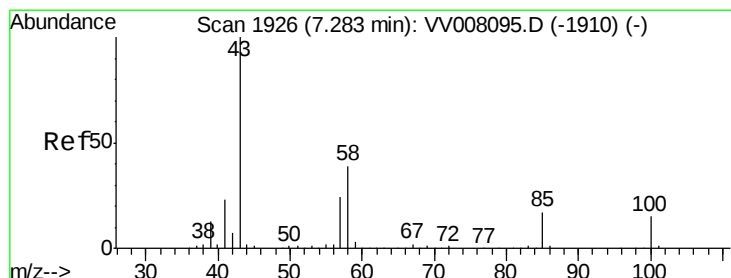
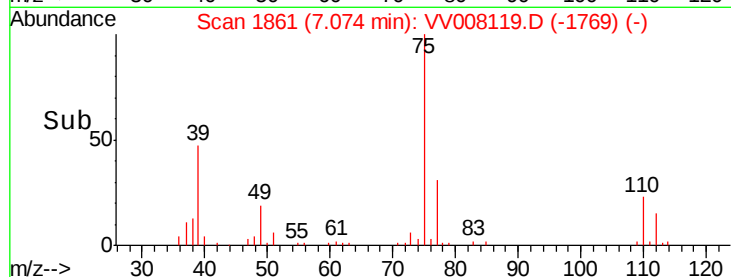
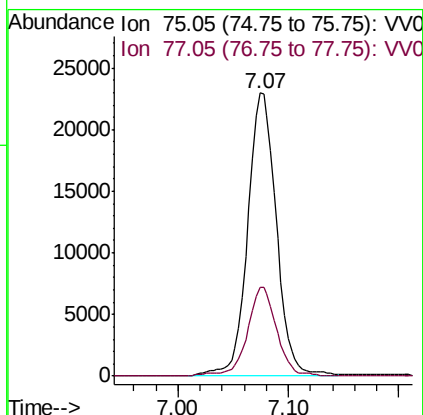
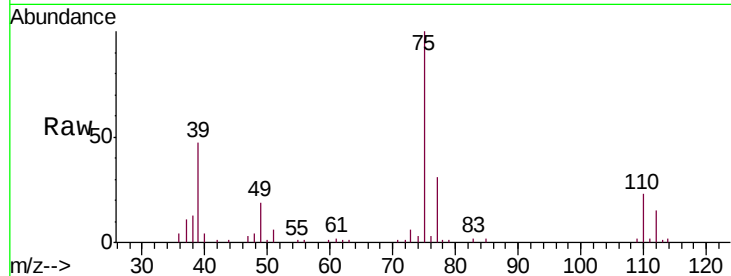




#39
 cis-1,3-Dichloropropene
 Concen: 4.919 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

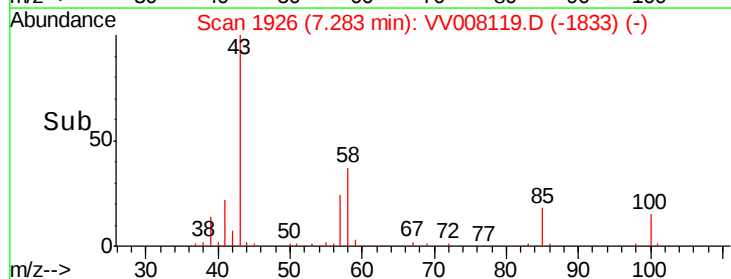
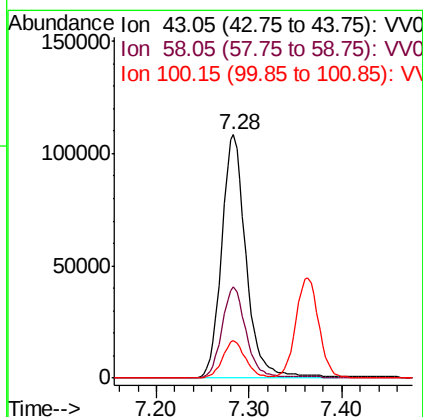
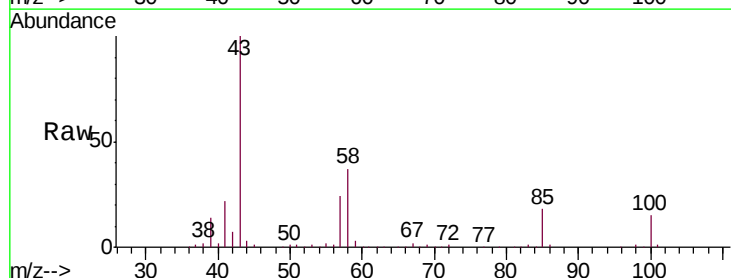
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00576

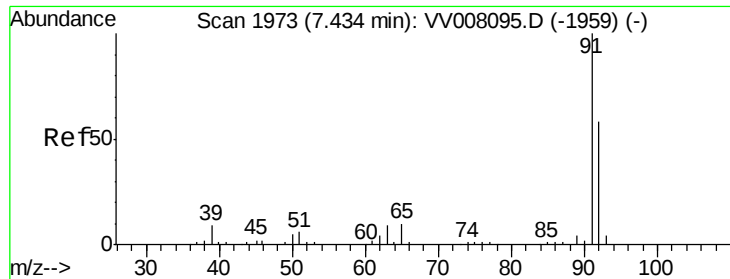
Tgt Ion: 75 Resp: 41575
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 53.248 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion: 43 Resp: 198876
 Ion Ratio Lower Upper
 43 100
 58 36.8 29.8 44.8
 100 14.5 11.6 17.4





#42

Toluene

Concen: 5.481 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

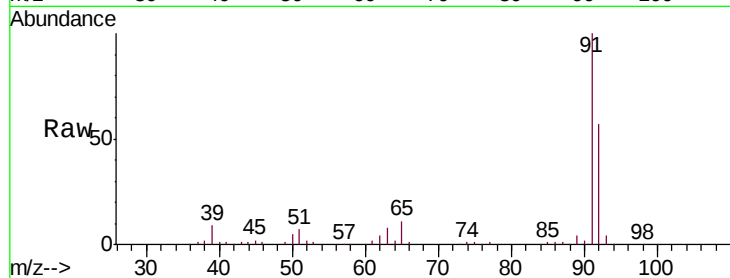
VSTD00576

Tgt Ion: 91 Resp: 142207

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008119.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008119.D (-1959) (-)

7.43

80000

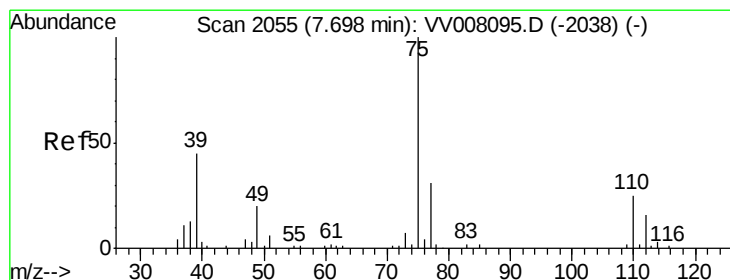
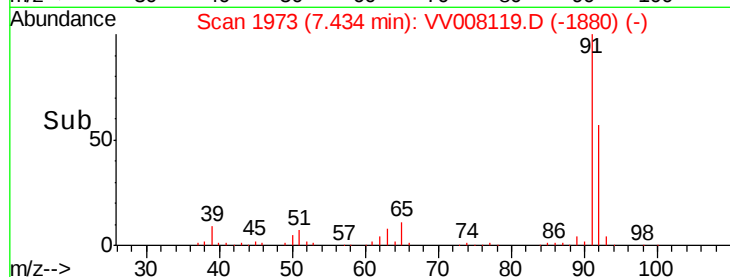
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.026 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008119.D

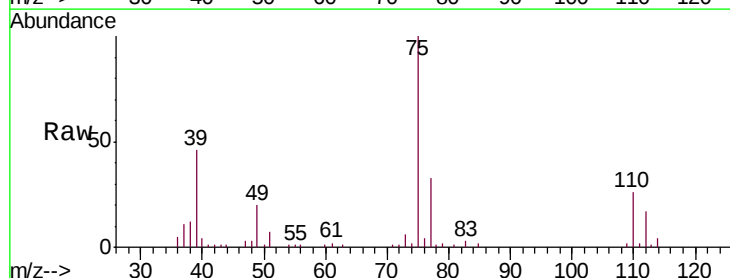
Acq: 06 Oct 2018 00:59

Tgt Ion: 75 Resp: 34542

Ion Ratio Lower Upper

75 100

77 32.7 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008119.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008119.D (-2038) (-)

7.70

20000

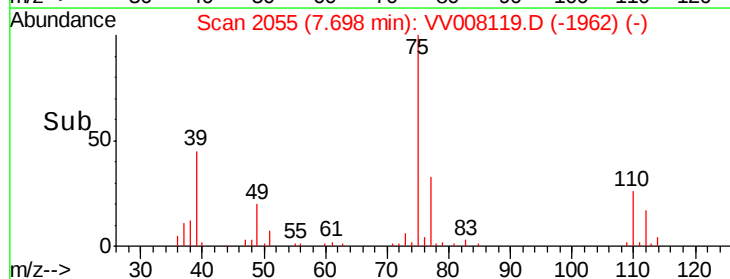
15000

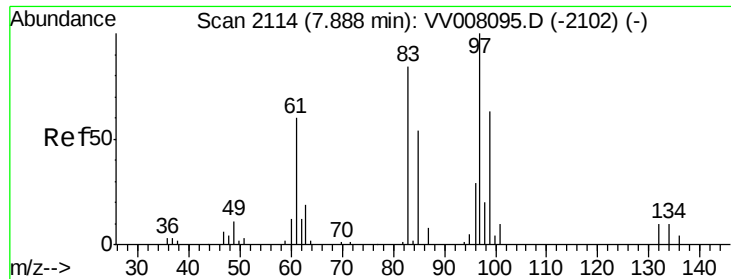
10000

5000

0

Time-->

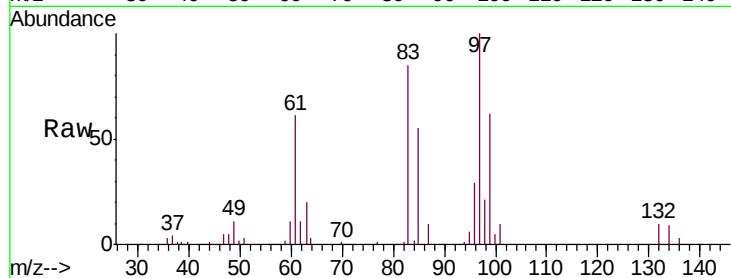




#45
 1,1,2-Trichloroethane
 Concen: 5.229 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:	97	Resp:	24173
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.6	79.0
83	85.1	57.5	106.7
85	55.4	36.5	67.7



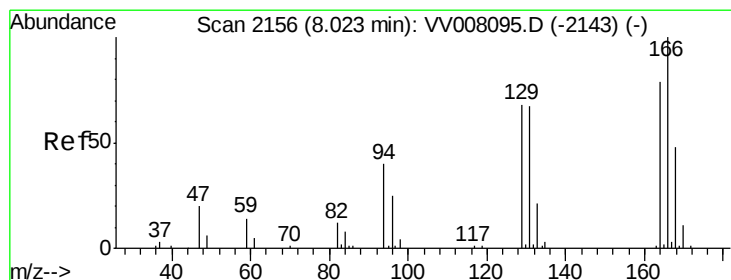
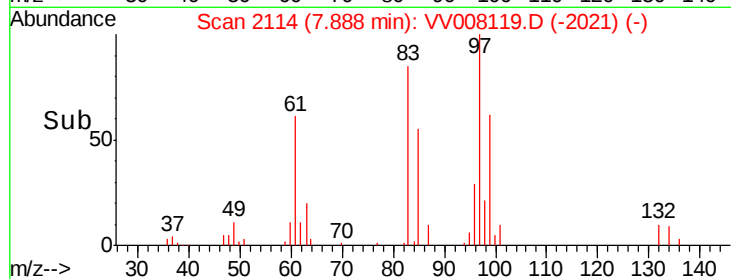
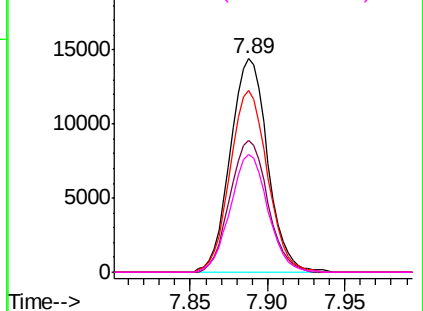
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

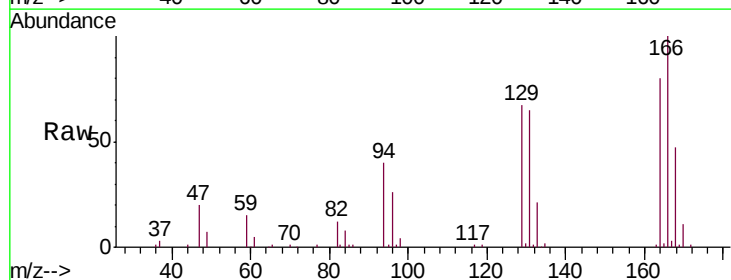
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.988 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion:	164	Resp:	31753
Ion	Ratio	Lower	Upper
164	100		
129	84.0	62.2	115.4
131	81.6	60.5	112.5
166	125.1	92.1	171.1



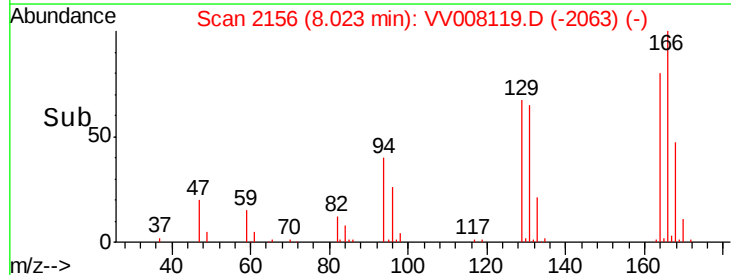
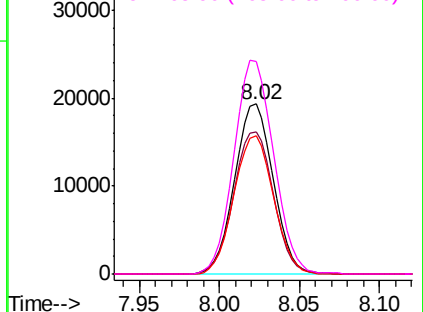
Abundance

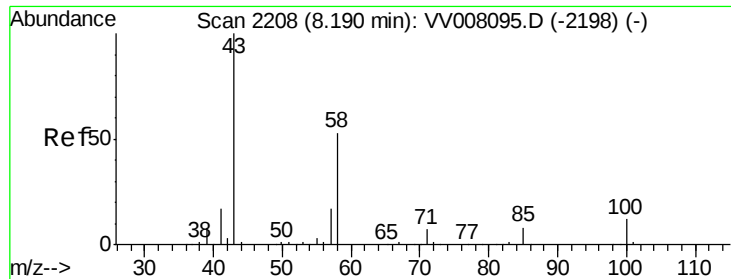
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

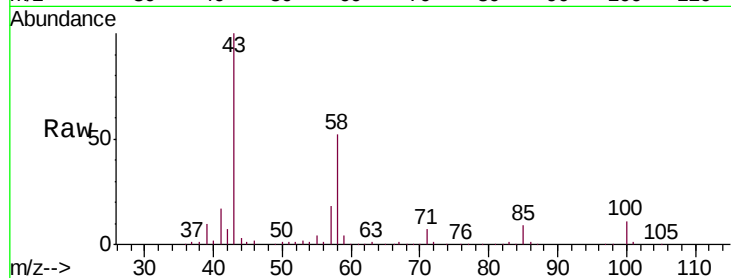




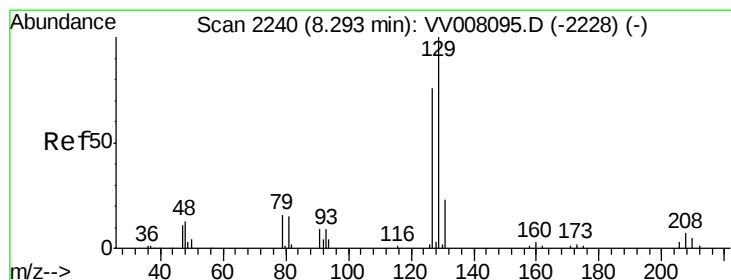
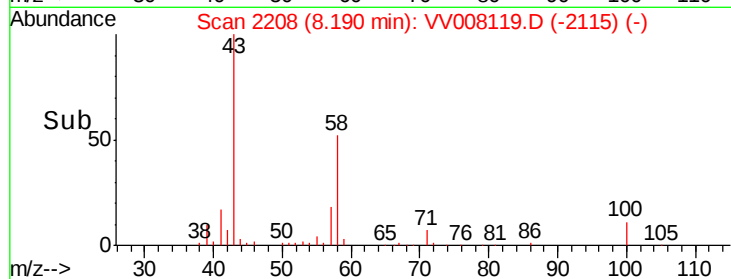
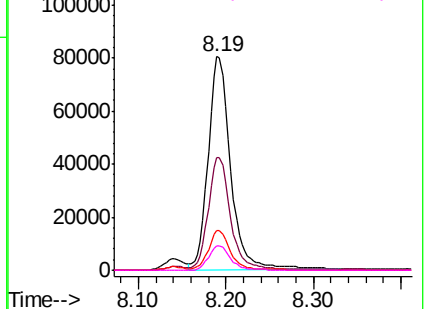
#48
2-Hexanone
Concen: 56.327 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

Tgt Ion: 43 Resp: 142822
Ion Ratio Lower Upper
43 100
58 52.8 40.5 60.7
57 17.4 14.6 22.0
100 11.3 9.3 13.9

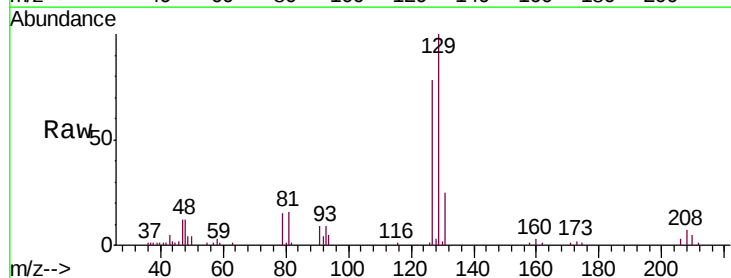


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

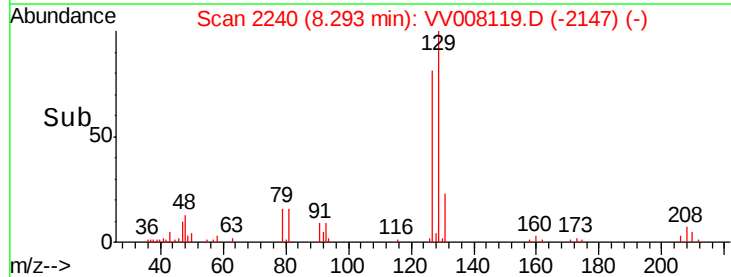
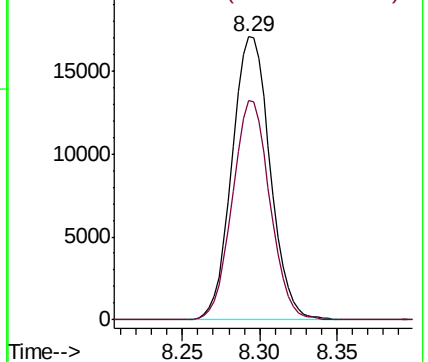


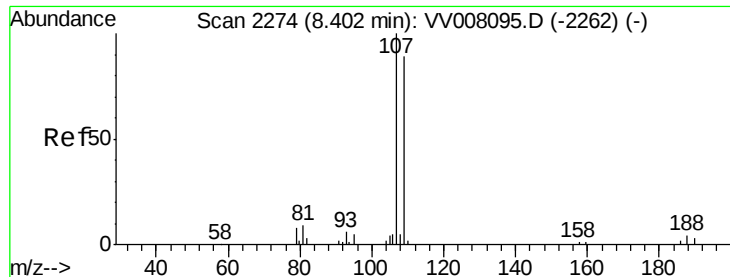
#49
Dibromochloromethane
Concen: 5.057 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion: 129 Resp: 29160
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

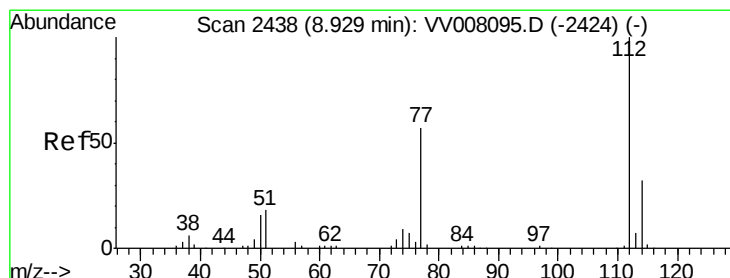
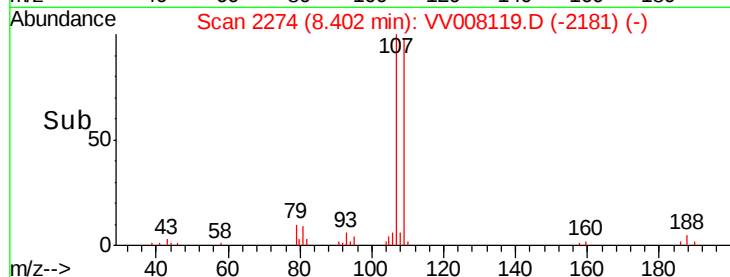
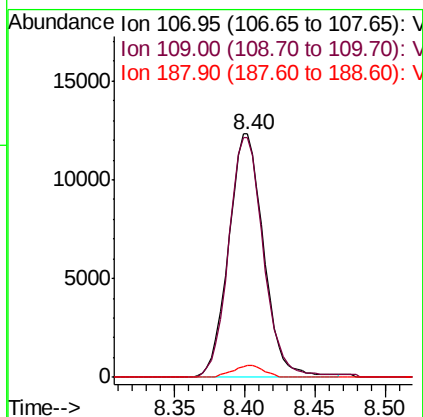
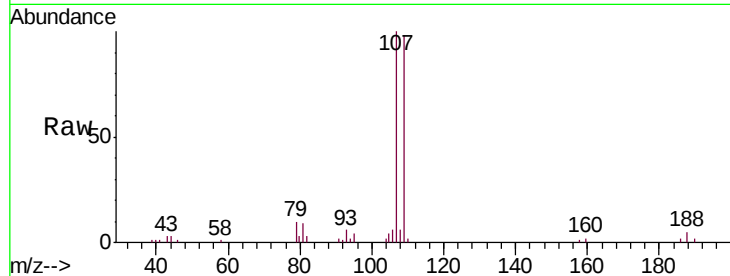




#50
1,2-Dibromoethane
Concen: 5.110 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

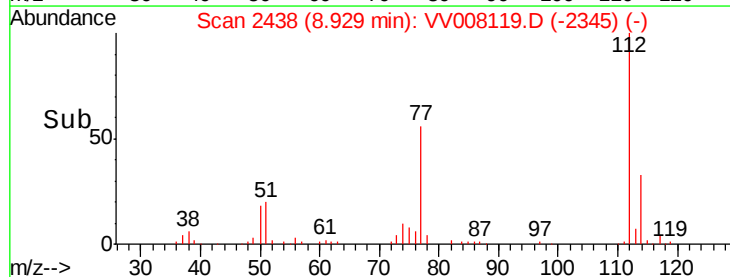
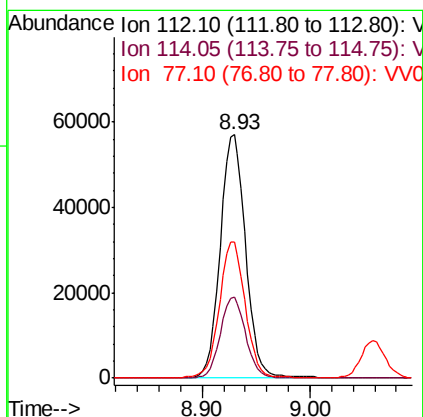
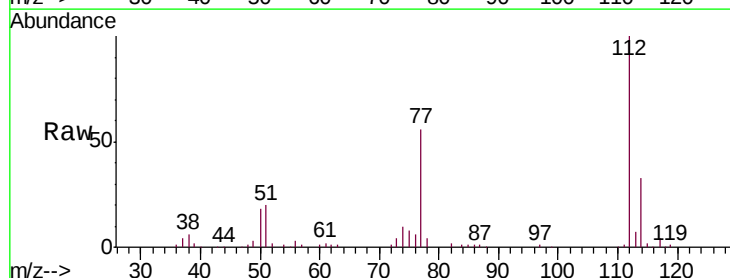
Instrument :
MSVOA_V
ClientSampleId :
VSTD00576

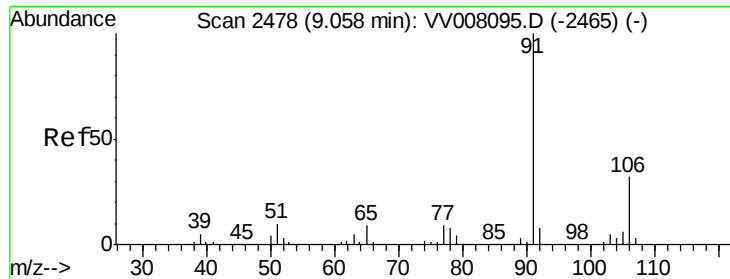
Tgt Ion:107 Resp: 21447
Ion Ratio Lower Upper
107 100
109 98.4 65.5 121.6
188 4.9 3.5 5.3



#51
Chlorobenzene
Concen: 5.153 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008119.D
Acq: 06 Oct 2018 00:59

Tgt Ion:112 Resp: 93509
Ion Ratio Lower Upper
112 100
114 33.2 22.8 42.4
77 55.9 44.6 66.8





#52

Ethylbenzene

Concen: 5.221 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

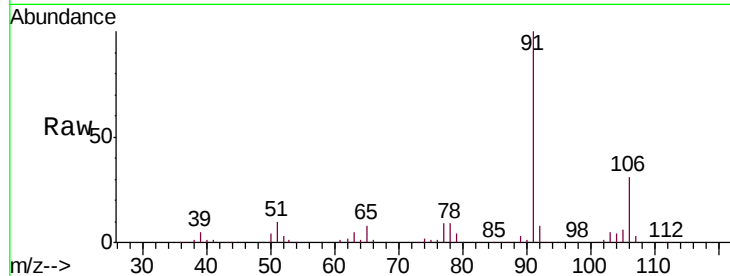
VSTD00576

Tgt Ion: 91 Resp: 147840

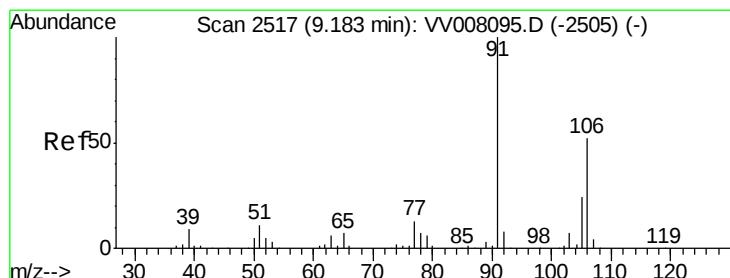
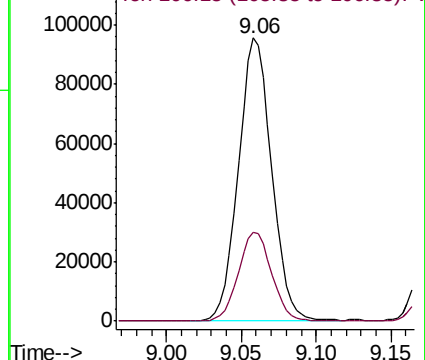
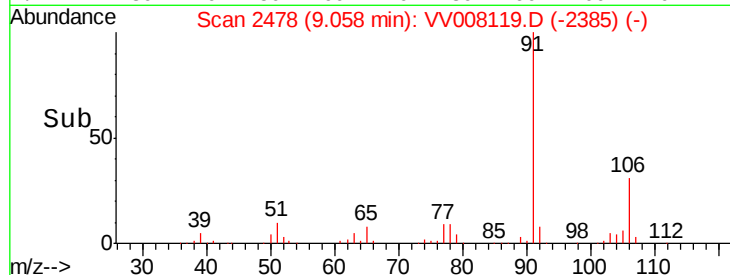
Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008119.D (-2385) (-)



#53

m,p-xylene

Concen: 5.389 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008119.D

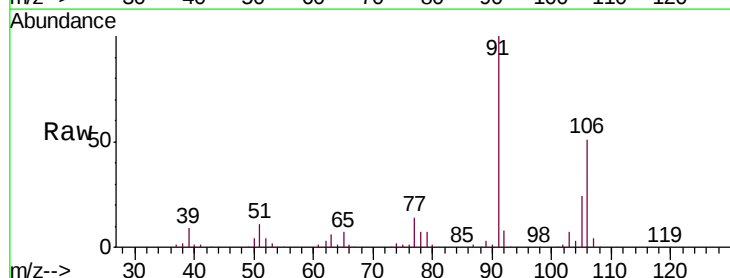
Acq: 06 Oct 2018 00:59

Tgt Ion: 106 Resp: 57854

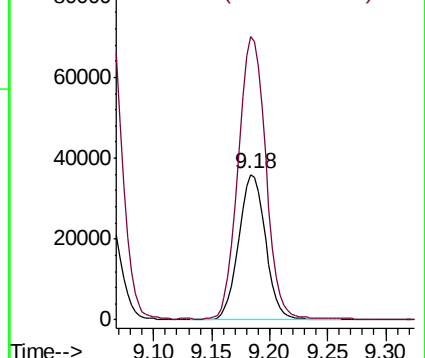
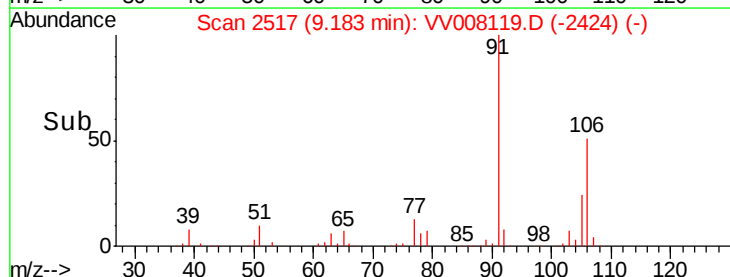
Ion Ratio Lower Upper

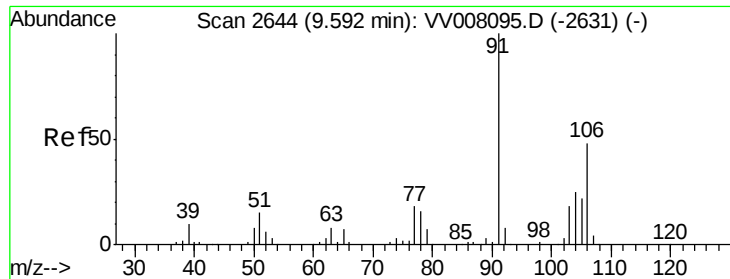
106 100

91 194.3 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008119.D (-2424) (-)





#54

o-xylene

Concen: 5.474 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

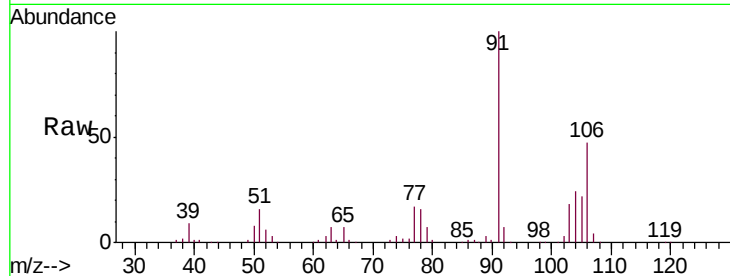
VSTD00576

Tgt Ion:106 Resp: 56105

Ion Ratio Lower Upper

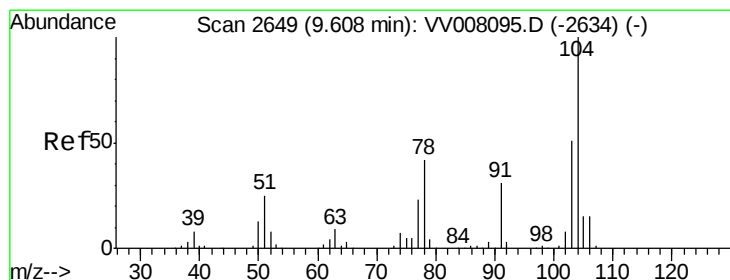
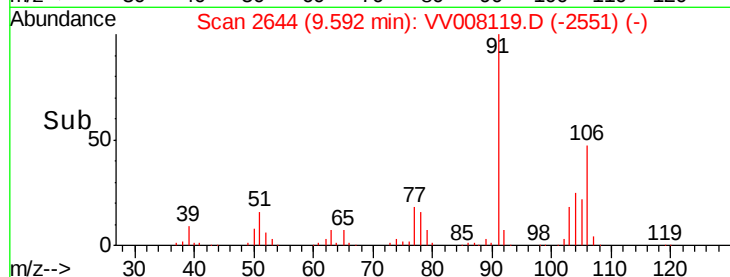
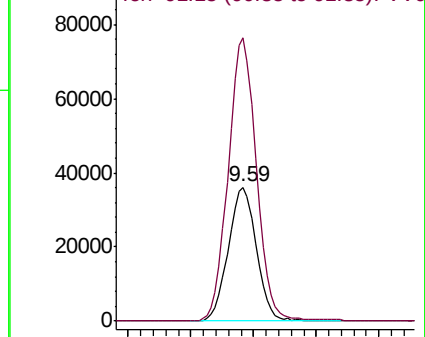
106 100

91 211.4 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.531 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008119.D

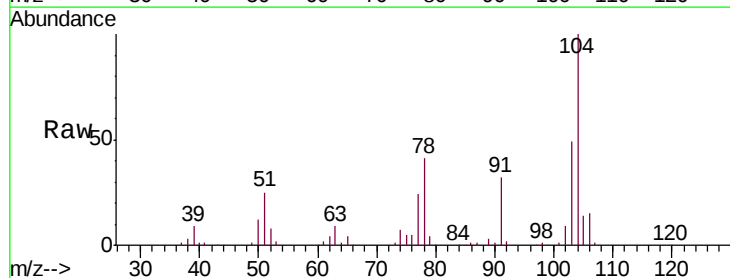
Acq: 06 Oct 2018 00:59

Tgt Ion:104 Resp: 96540

Ion Ratio Lower Upper

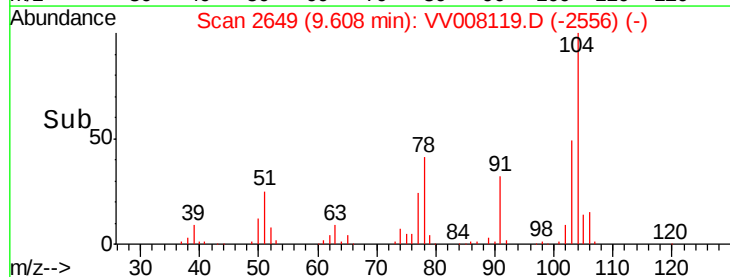
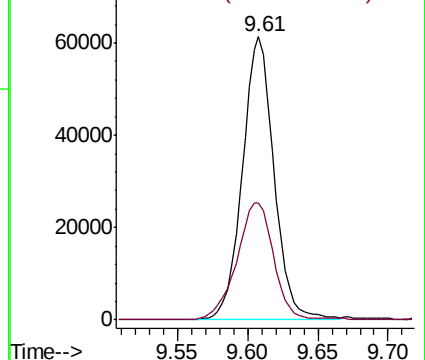
104 100

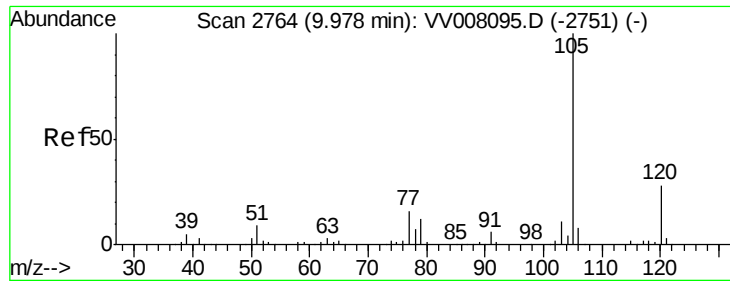
78 41.4 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.366 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

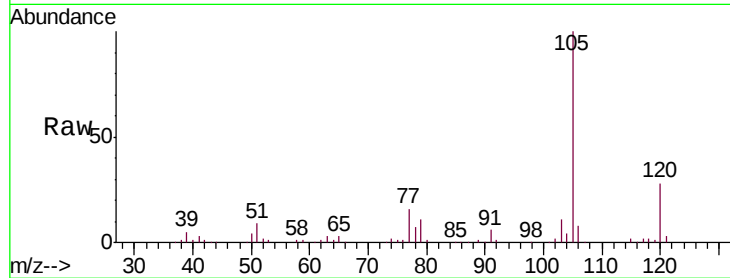
Tgt Ion: 105 Resp: 151284

Ion Ratio Lower Upper

105 100

120 27.0 21.9 32.9

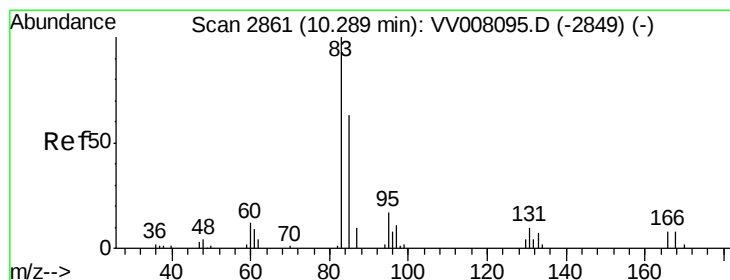
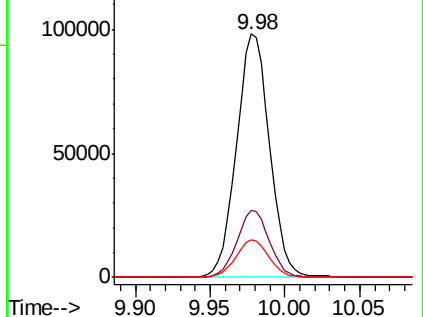
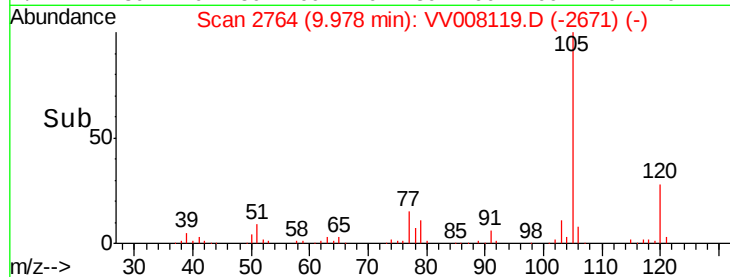
77 15.5 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): VV008119.D (-2761) (-)

Ion 120.10 (119.80 to 120.80): VV008119.D (-2761) (-)

Ion 77.10 (76.80 to 77.80): VV008119.D (-2761) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.167 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

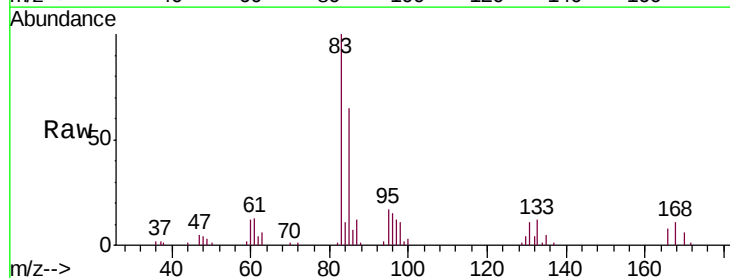
Tgt Ion: 83 Resp: 27690

Ion Ratio Lower Upper

83 100

85 65.1 45.1 83.7

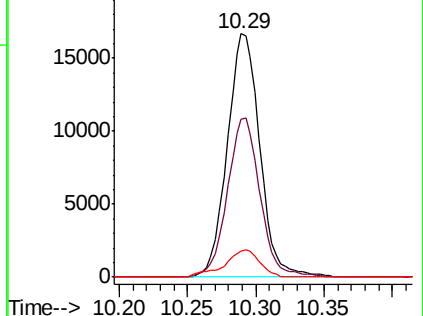
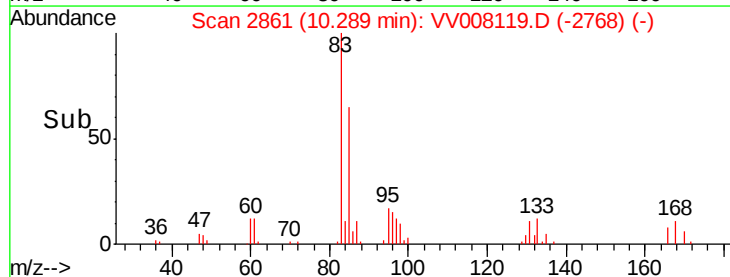
131 10.9 8.8 13.2

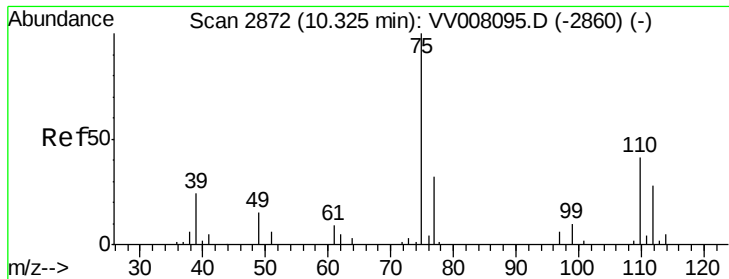


Abundance Ion 82.95 (82.65 to 83.65): VV008119.D (-2768) (-)

Ion 85.00 (84.70 to 85.70): VV008119.D (-2768) (-)

Ion 130.95 (130.65 to 131.65): VV008119.D (-2768) (-)





#59

1,2,3-Trichloropropane

Concen: 5.255 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

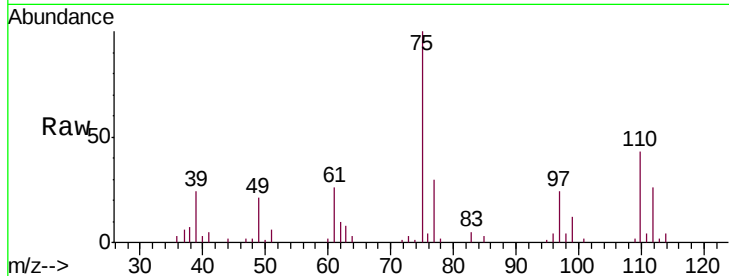
VSTD00576

Tgt Ion: 75 Resp: 20219

Ion Ratio Lower Upper

75 100

77 31.6 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV008095.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV008095.D (-2860) (-)

10.32

15000

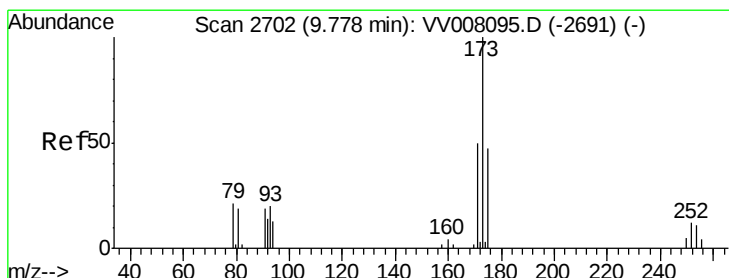
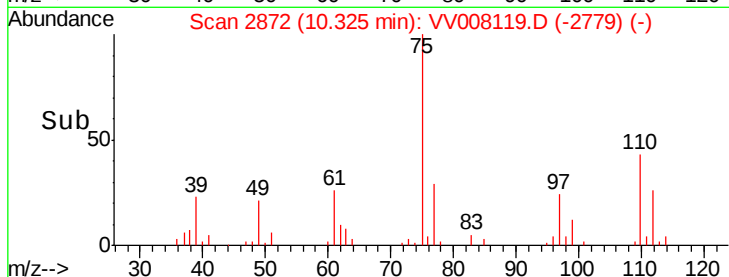
10000

5000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 5.165 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

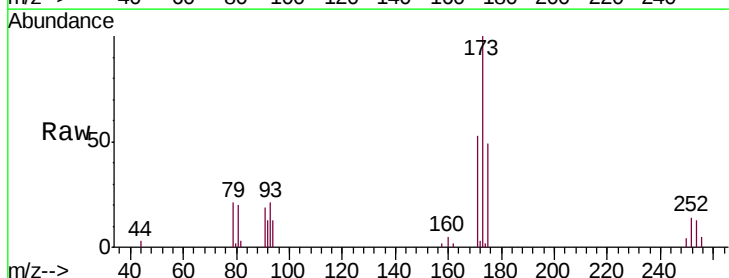
Tgt Ion: 173 Resp: 15873

Ion Ratio Lower Upper

173 100

175 50.4 39.8 59.8

254 11.4 9.4 14.0



Abundance Ion 172.90 (172.60 to 173.60): VV008095.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV008095.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV008095.D (-2691) (-)

9.78

12000

10000

8000

6000

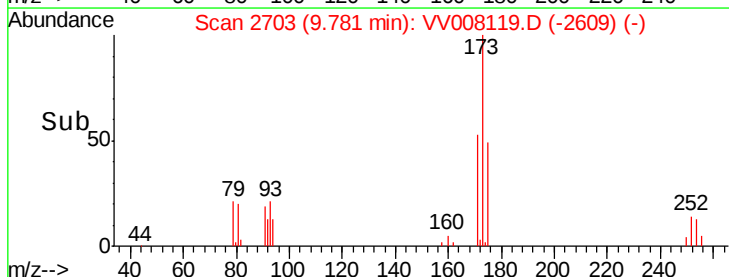
4000

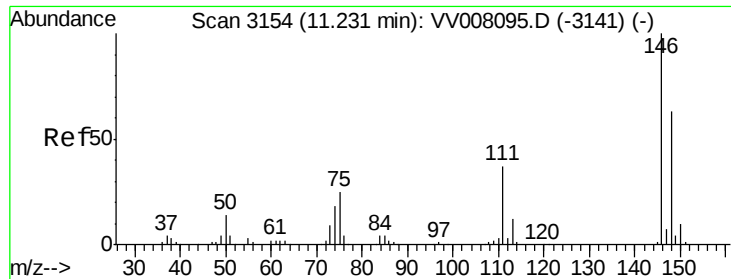
2000

0

Time-->

9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 5.169 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

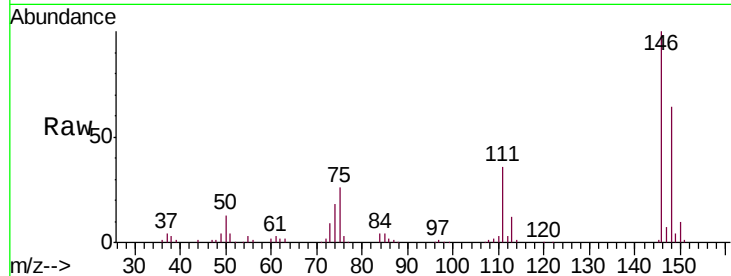
Tgt Ion:146 Resp: 76806

Ion Ratio Lower Upper

146 100

111 36.4 25.8 48.0

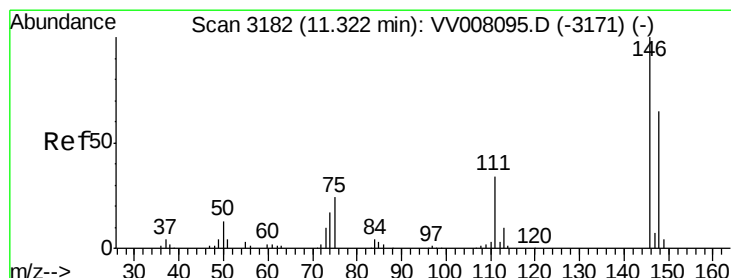
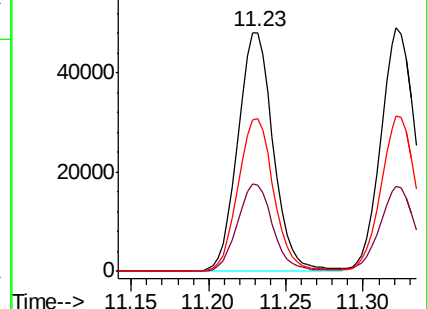
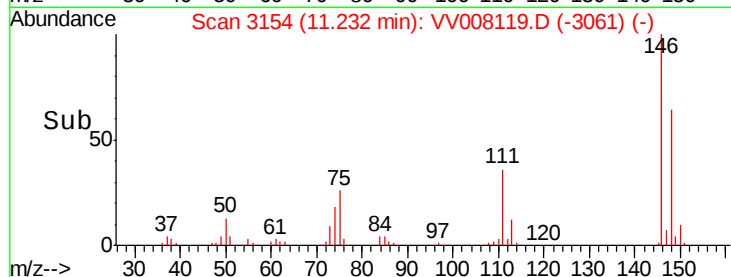
148 64.0 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.195 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

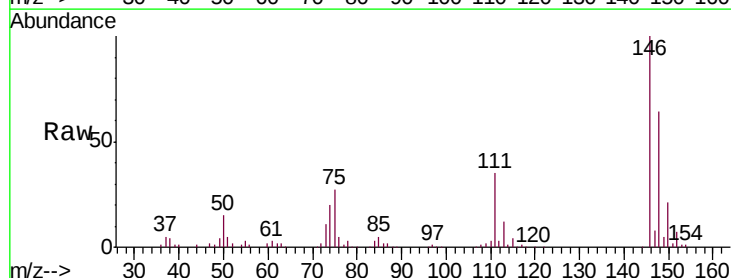
Tgt Ion:146 Resp: 78683

Ion Ratio Lower Upper

146 100

111 35.1 24.2 45.0

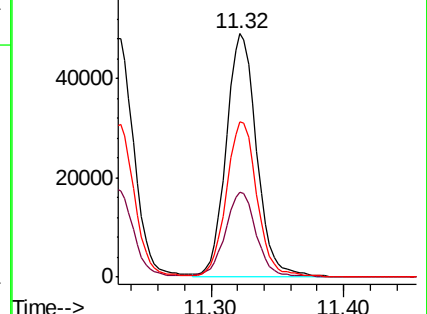
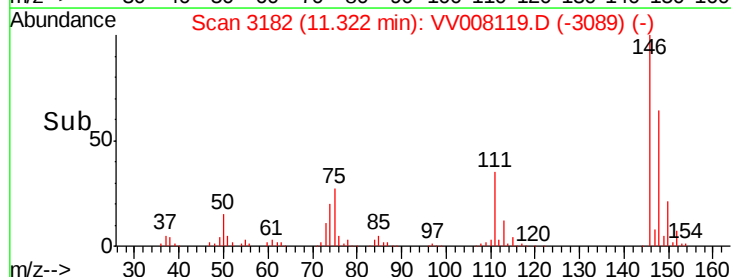
148 63.7 44.0 81.6

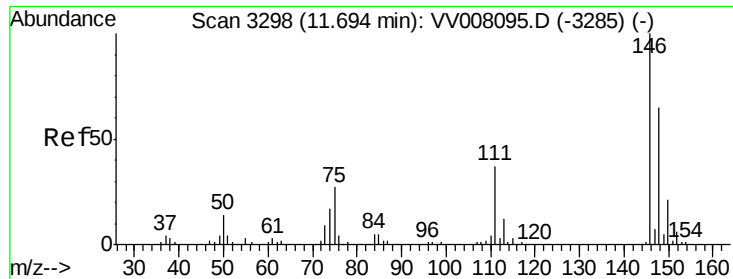


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.311 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

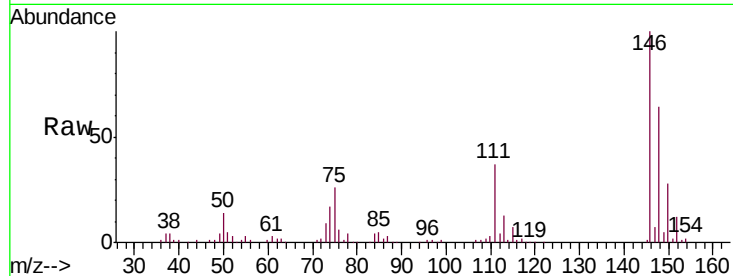
Tgt Ion:146 Resp: 76244

Ion Ratio Lower Upper

146 100

111 36.8 31.8 47.6

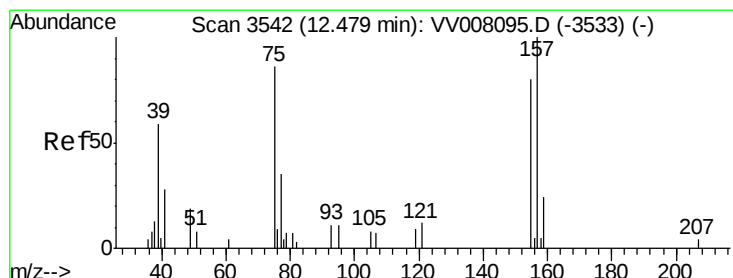
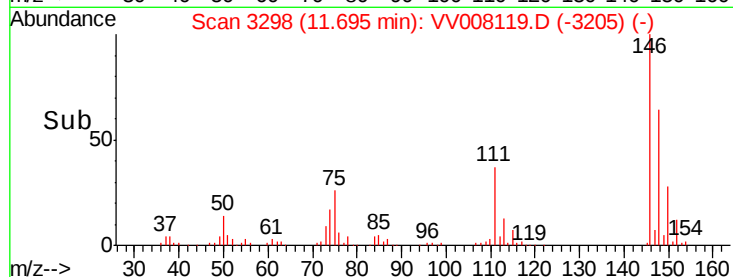
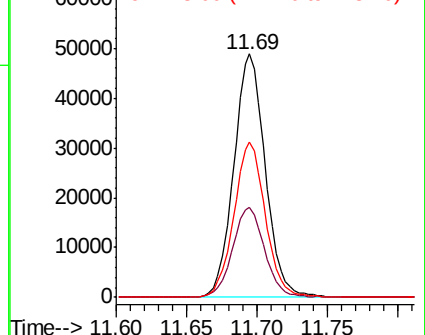
148 63.7 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.205 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

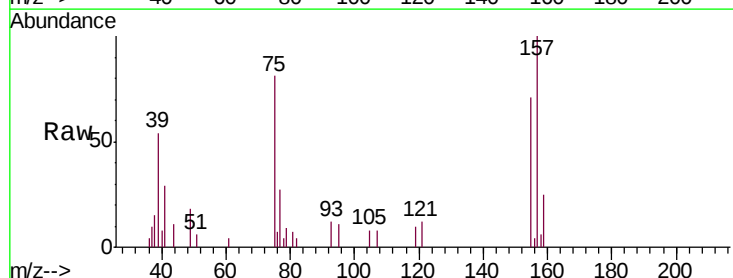
Tgt Ion: 75 Resp: 3902

Ion Ratio Lower Upper

75 100

155 87.4 74.7 112.1

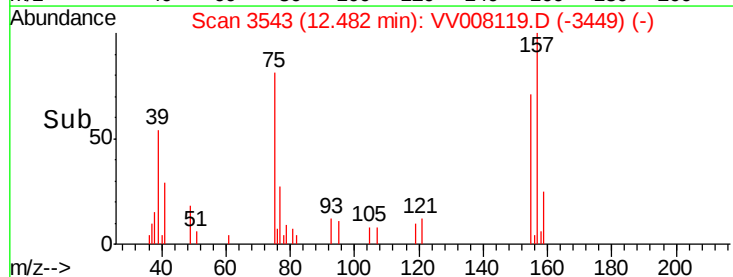
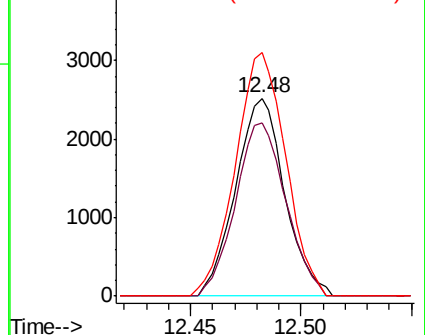
157 123.2 93.1 139.7

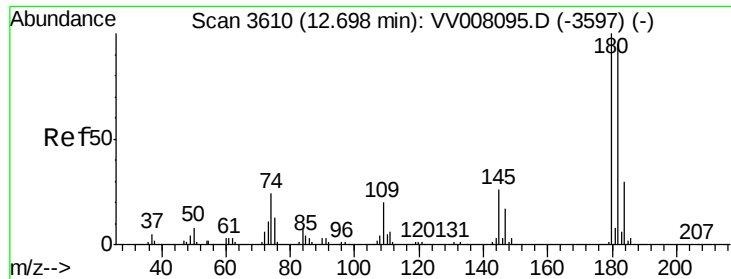


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

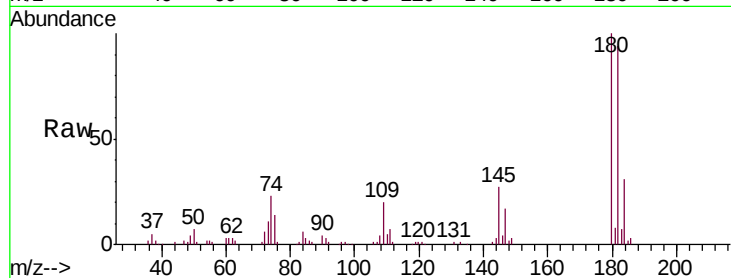




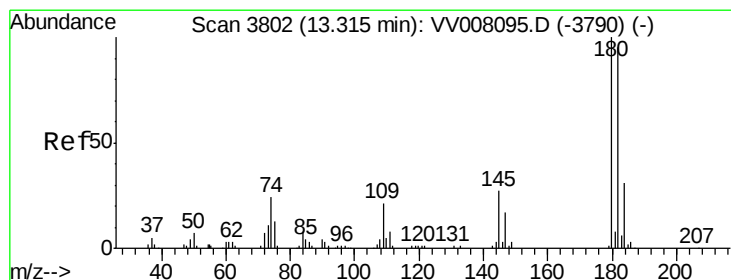
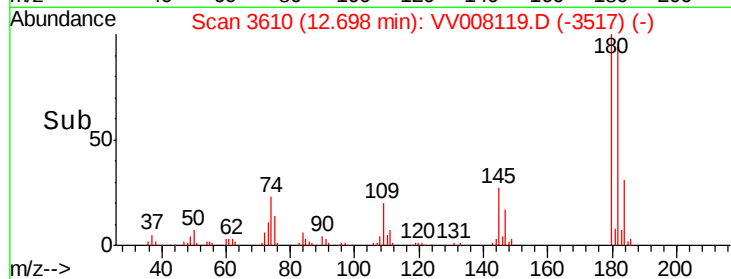
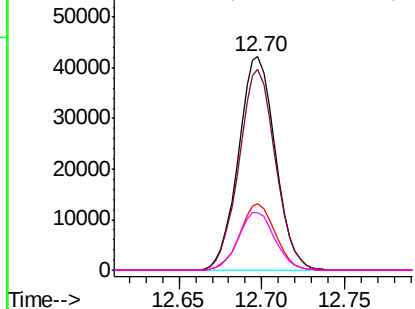
#67
 1,3,5-Trichlorobenzene
 Concen: 5.169 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00576

Tgt Ion:180 Resp: 65449
 Ion Ratio Lower Upper
 180 100
 182 93.2 77.0 115.6
 184 30.1 24.2 36.2
 145 27.0 22.2 33.2

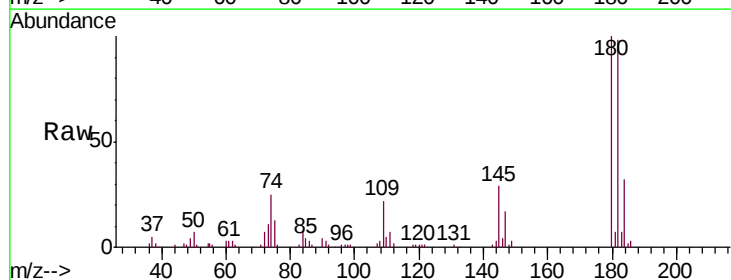


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

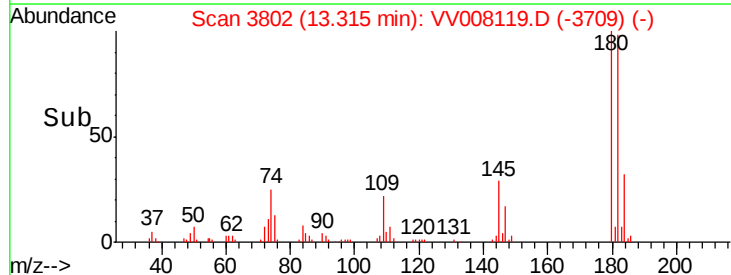
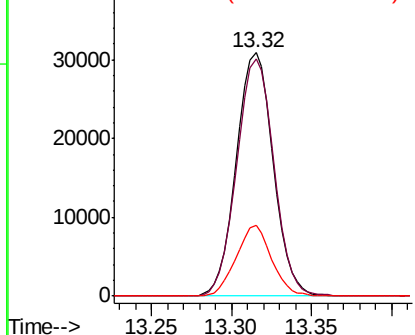


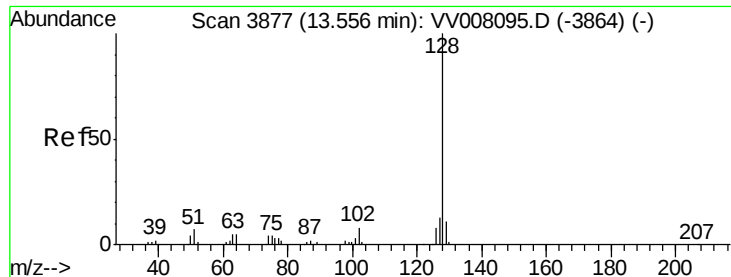
#68
 1,2,4-trichlorobenzene
 Concen: 5.137 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008119.D
 Acq: 06 Oct 2018 00:59

Tgt Ion:180 Resp: 48520
 Ion Ratio Lower Upper
 180 100
 182 98.0 76.6 114.8
 145 27.7 22.1 33.1



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





#69

Naphthalene

Concen: 5.024 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD00576

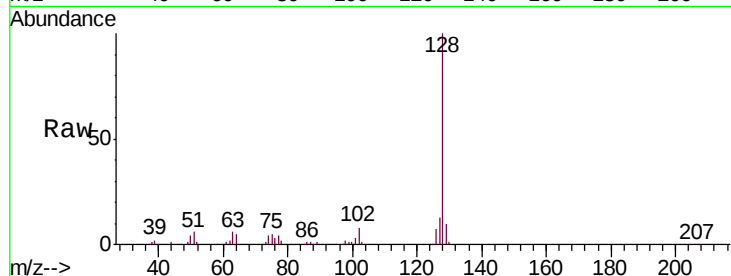
Tgt Ion:128 Resp: 60589

Ion Ratio Lower Upper

128 100

129 10.4 8.5 12.7

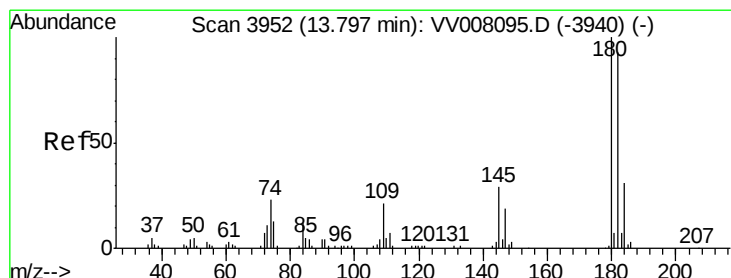
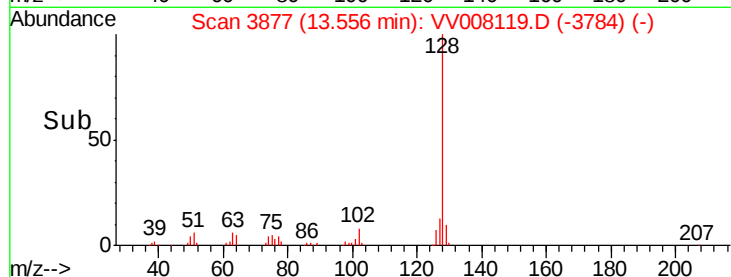
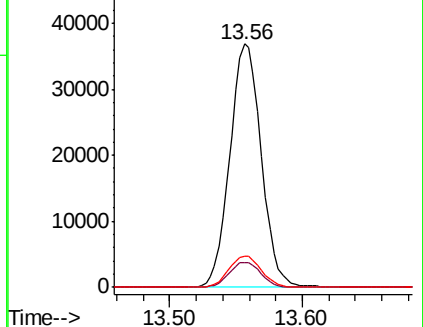
127 13.3 10.2 15.2



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: 5.270 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008119.D

Acq: 06 Oct 2018 00:59

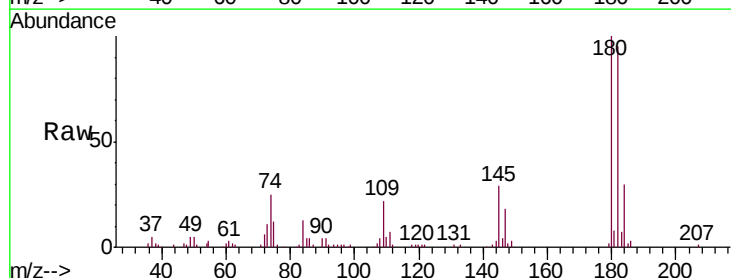
Tgt Ion:180 Resp: 47334

Ion Ratio Lower Upper

180 100

182 94.5 75.1 112.7

145 29.0 23.2 34.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

