

Data File : VV008246.D
Acq On : 10 Oct 2018 21:47
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Quant Time: Oct 11 02:03:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 11 01:57:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	89733	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	85453	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	43362	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20491	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.59	69	17979	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.40%
11) 1,1-Dichloroethene-d2	2.13	63	41892	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	3.98	46	81561	61.55	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.10%
24) Chloroform-d	4.41	84	53485	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	26952	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	95679	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.12	67	32734	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	92844	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.67	79	11181	4.63	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.60%
46) 2-Hexanone-d5	8.14	63	56360	58.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.30%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25389	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	37436	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	31004	5.096	ug/L 99
3) Chloromethane	1.25	50	26918	5.250	ug/L 100
5) Vinyl chloride	1.32	62	28955	5.072	ug/L 97
6) Bromomethane	1.54	94	17310	6.400	ug/L 96
8) Chloroethane	1.60	64	17838	4.676	ug/L 98
9) Trichlorofluoromethane	1.77	101	46181	4.722	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	28182	4.846	ug/L 97
12) 1,1-Dichloroethene	2.14	96	24214	4.981	ug/L 85
13) Acetone	2.23	43	47369	52.758	ug/L 99
14) Carbon disulfide	2.32	76	52419	4.237	ug/L 100
15) Methyl Acetate	2.48	43	11928	5.596	ug/L 98
16) Methylene chloride	2.54	84	28244	4.789	ug/L 97
17) Methyl tert-butyl Ether	2.82	73	66734	5.477	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	26277	4.952	ug/L 98
19) 1,1-Dichloroethane	3.23	63	49287	4.878	ug/L 98
21) 2-Butanone	4.07	43	83455	57.618	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	31315	5.233	ug/L 96

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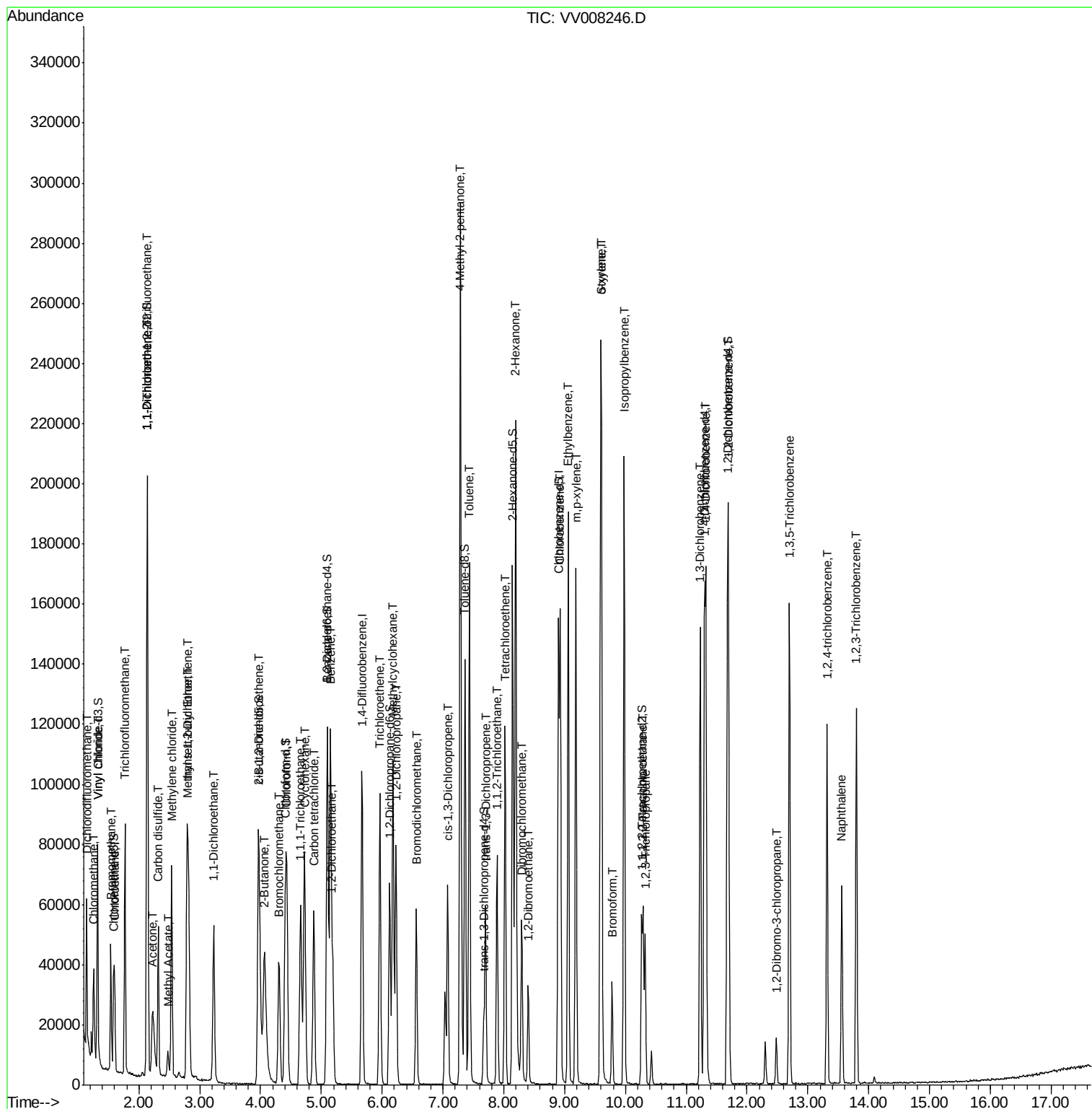
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	15020	5.527	ug/L	95
25) Chloroform	4.43	83	58262	5.359	ug/L	100
27) 1,2-Dichloroethane	5.19	62	33573	5.256	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	48412	5.101	ug/L	99
30) Cyclohexane	4.72	56	37987	4.819	ug/L	98
31) Carbon tetrachloride	4.88	117	43193	5.065	ug/L	100
33) Benzene	5.15	78	116831	5.418	ug/L	100
34) Trichloroethene	5.96	95	32008	5.087	ug/L	99
35) Methylcyclohexane	6.18	83	39477	4.491	ug/L	99
37) 1,2-Dichloropropane	6.23	63	31261	5.373	ug/L	99
38) Bromodichloromethane	6.56	83	38134	5.358	ug/L	95
39) cis-1,3-Dichloropropene	7.08	75	37359	5.007	ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	200221	60.724	ug/L	98
42) Toluene	7.43	91	125997	5.500	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	32726	5.394	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	23321	5.715	ug/L	95
47) Tetrachloroethene	8.02	164	28195	5.017	ug/L	97
48) 2-Hexanone	8.19	43	149035	66.580	ug/L	97
49) Dibromochloromethane	8.30	129	27508	5.403	ug/L	97
50) 1,2-Dibromoethane	8.40	107	21218	5.727	ug/L	100
51) Chlorobenzene	8.93	112	85021	5.307	ug/L	98
52) Ethylbenzene	9.06	91	128073	5.123	ug/L	99
53) m,p-xylene	9.19	106	49628	5.236	ug/L	91
54) o-xylene	9.59	106	48447	5.354	ug/L	98
55) Styrene	9.61	104	84481	5.482	ug/L	100
56) Isopropylbenzene	9.98	105	128391	5.158	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25896	5.474	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	20033	5.897	ug/L	94
61) Bromoform	9.78	173	15399	5.767	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	65559	5.079	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	67336	5.117	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	68150	5.464	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	3361	5.160	ug/L	89
67) 1,3,5-Trichlorobenzene	12.70	180	53257	4.841	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	40624	4.950	ug/L	98
69) Naphthalene	13.56	128	54206	5.174	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	40527	5.193	ug/L	98

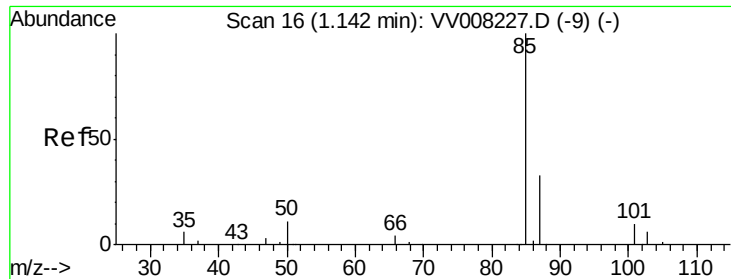
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.096 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

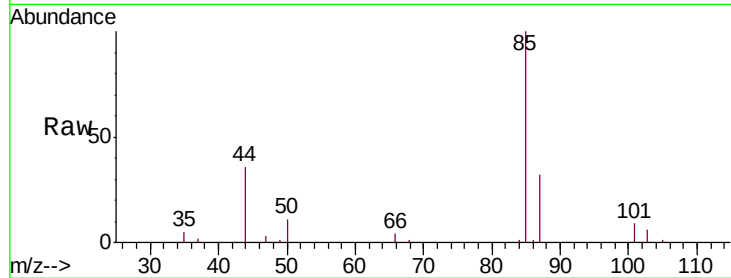
VSTD00565

Tgt Ion: 85 Resp: 31004

Ion Ratio Lower Upper

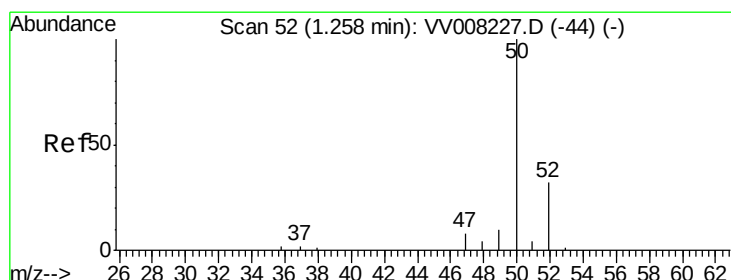
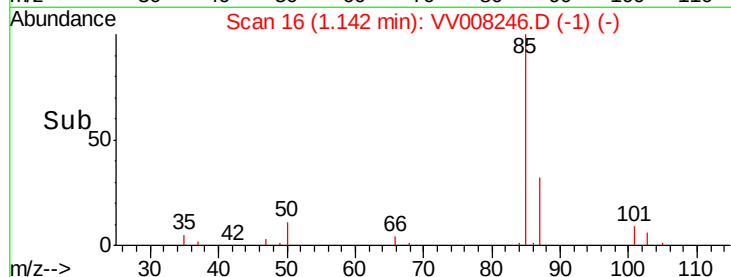
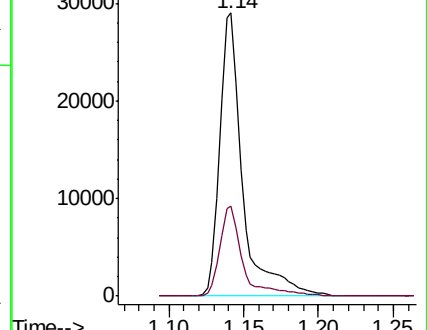
85 100

87 31.6 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008227.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008227.D (-9) (-)



#3

Chloromethane

Concen: 5.250 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV008246.D

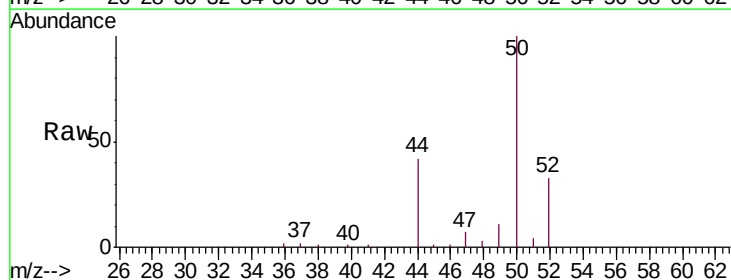
Acq: 10 Oct 2018 21:47

Tgt Ion: 50 Resp: 26918

Ion Ratio Lower Upper

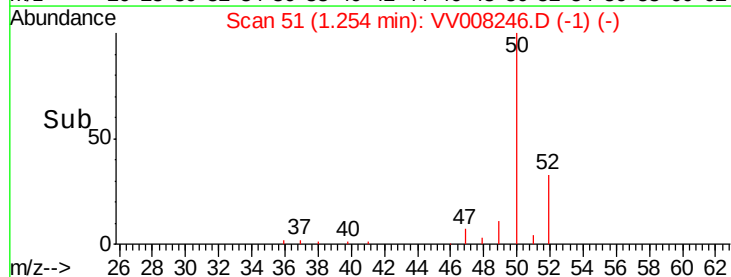
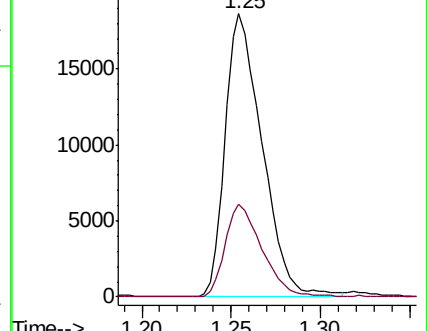
50 100

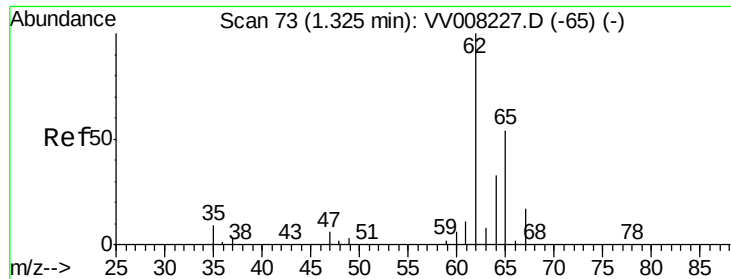
52 32.5 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008227.D (-44) (-)

Ion 52.05 (51.75 to 52.75): VV008227.D (-44) (-)





#5

Vinyl chloride

Concen: 5.072 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

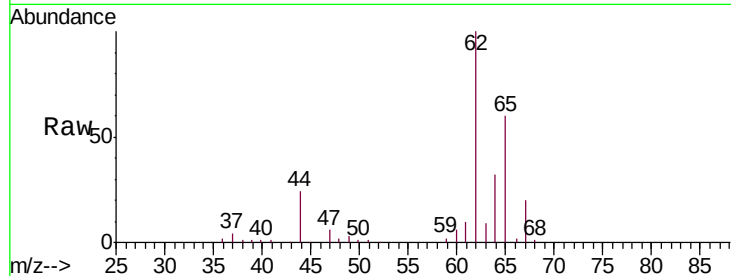
VSTD00565

Tgt Ion: 62 Resp: 28955

Ion Ratio Lower Upper

62 100

64 31.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

30000

25000

20000

15000

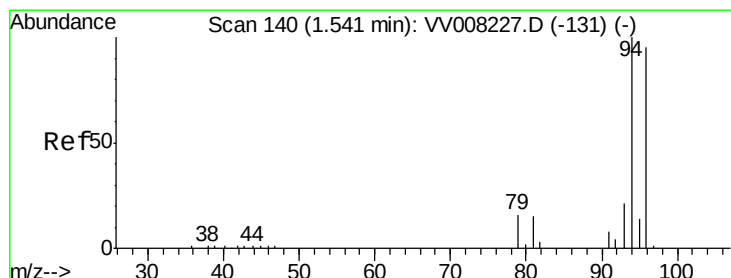
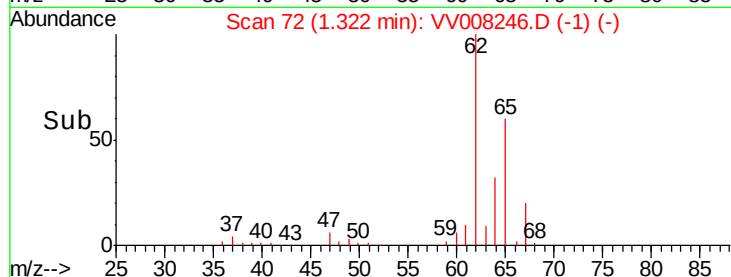
10000

5000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 6.400 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008246.D

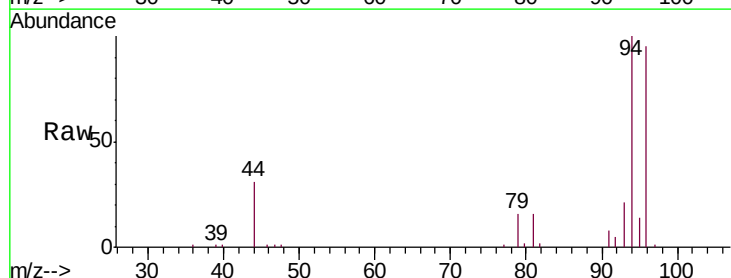
Acq: 10 Oct 2018 21:47

Tgt Ion: 94 Resp: 17310

Ion Ratio Lower Upper

94 100

96 95.4 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

15000

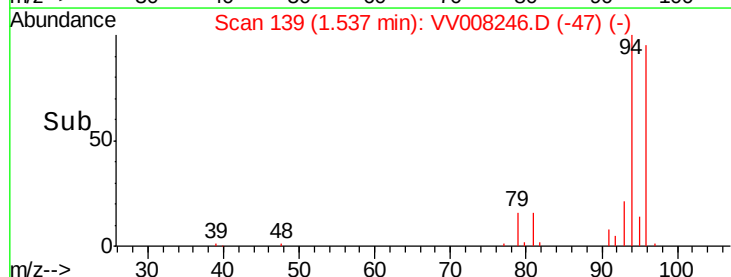
10000

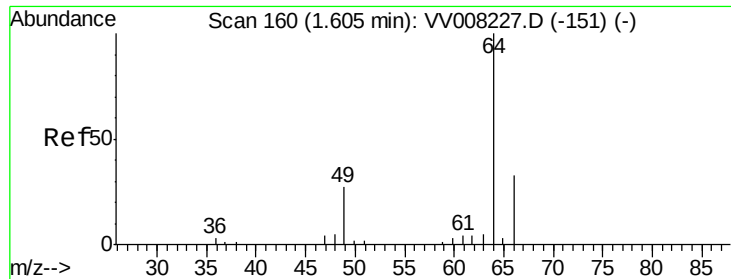
5000

0

Time-->

1.50 1.55 1.60

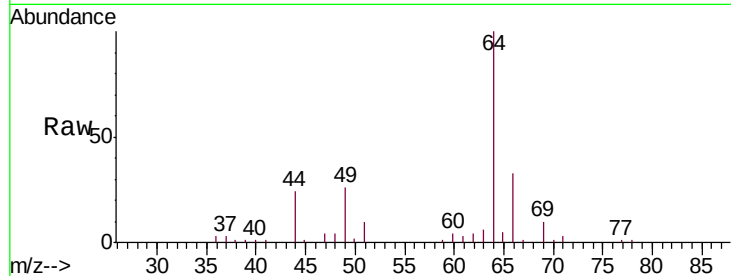




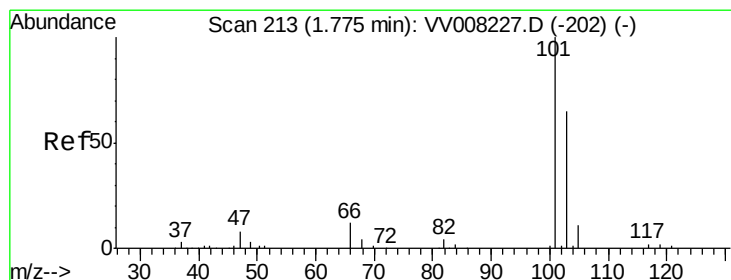
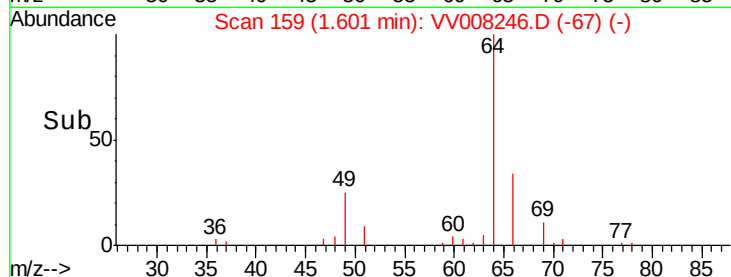
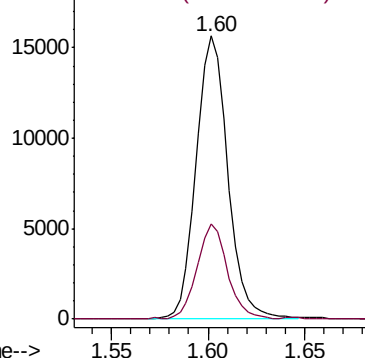
#8
Chloroethane
Concen: 4.676 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 64 Resp: 17838
Ion Ratio Lower Upper
64 100
66 33.5 24.1 44.8

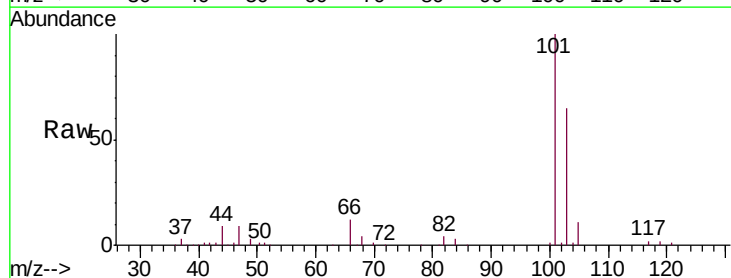


Abundance Ion 64.10 (63.80 to 64.80): VV008227.D (-151) (-)
Ion 66.05 (65.75 to 66.75): VV008246.D (-67) (-)

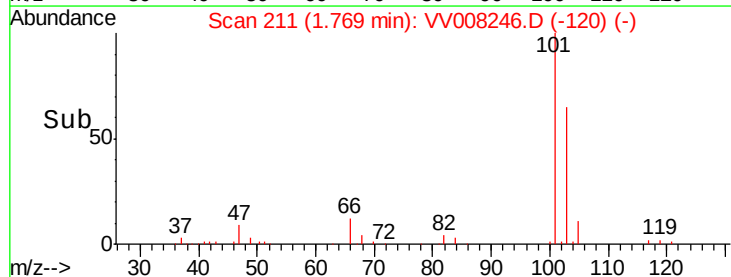
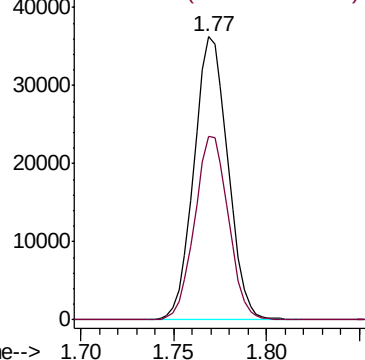


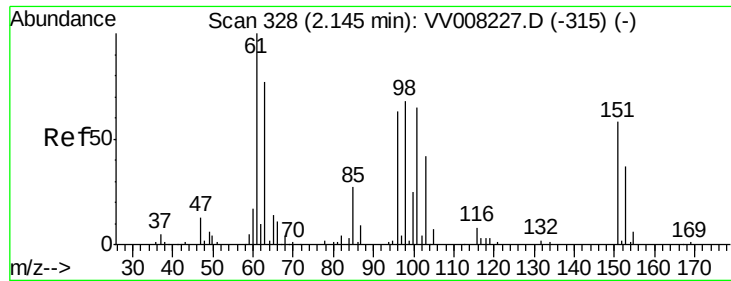
#9
Trichlorofluoromethane
Concen: 4.722 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.01 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 101 Resp: 46181
Ion Ratio Lower Upper
101 100
103 64.4 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008227.D (-202) (-)
Ion 103.00 (102.70 to 103.70): VV008246.D (-120) (-)





#10

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

Concen: 4.846 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

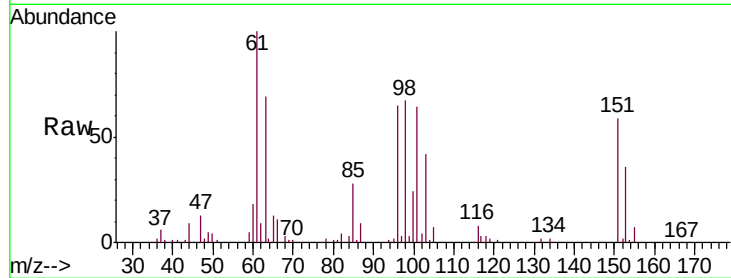
Tgt Ion:101 Resp: 28182

Ion Ratio Lower Upper

101 100

85 42.7 35.4 53.0

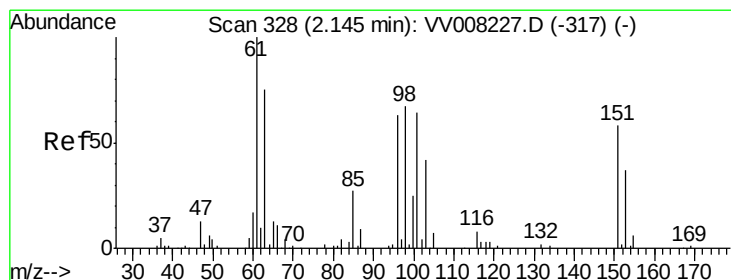
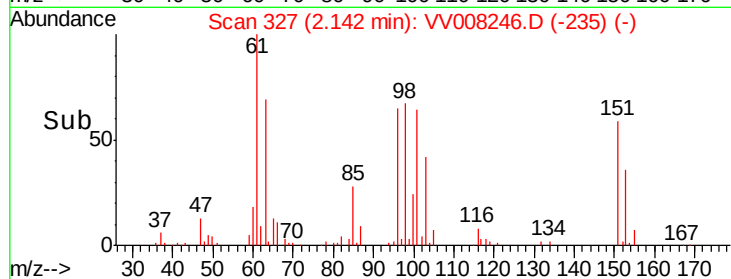
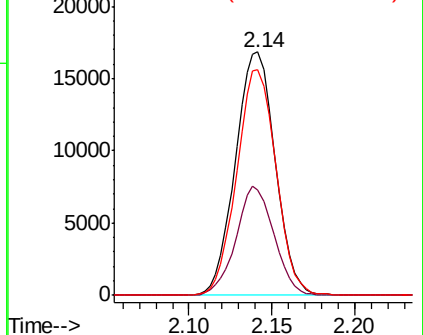
151 91.5 70.7 106.1



Abundance Ion 101.00 (100.70 to 101.70): VV008227.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008227.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008227.D (-315) (-)



#12

1,1-Dichloroethene

Concen: 4.981 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

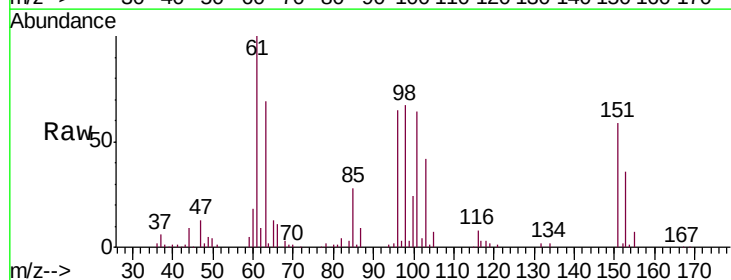
Tgt Ion: 96 Resp: 24214

Ion Ratio Lower Upper

96 100

61 154.7 114.7 213.1

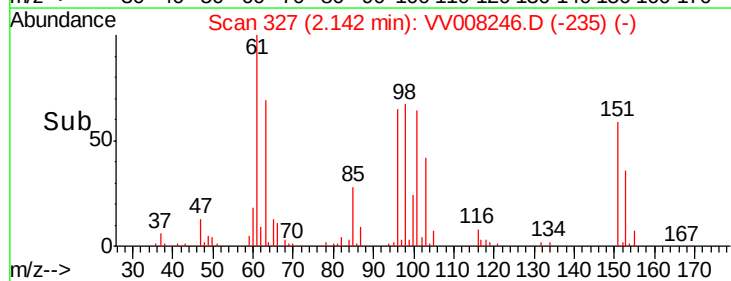
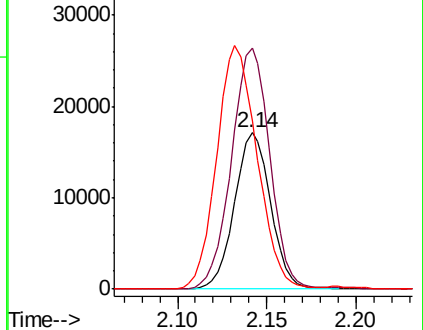
63 107.5 96.9 179.9

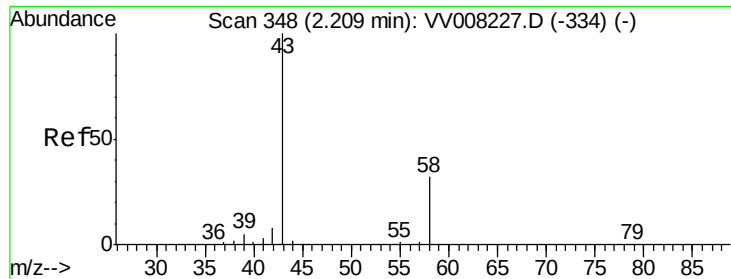


Abundance Ion 96.00 (95.70 to 96.70): VV008227.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008227.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008227.D (-317) (-)





#13

Acetone

Concen: 52.758 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.02 min

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ClientSampleId :

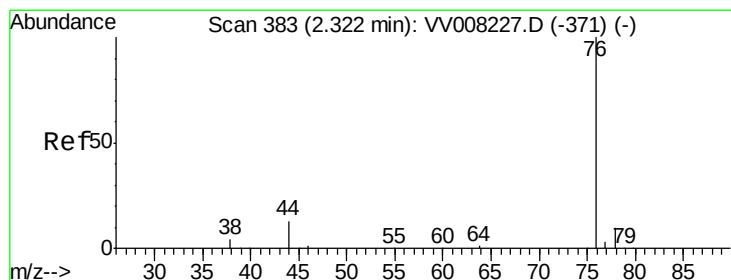
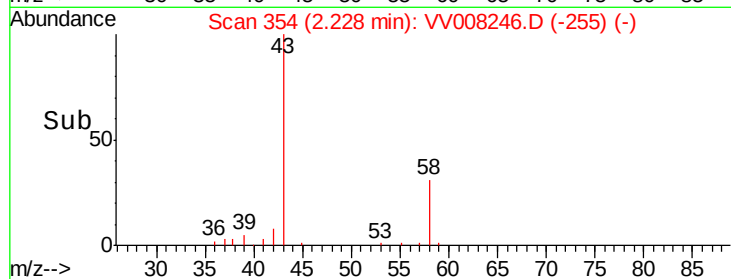
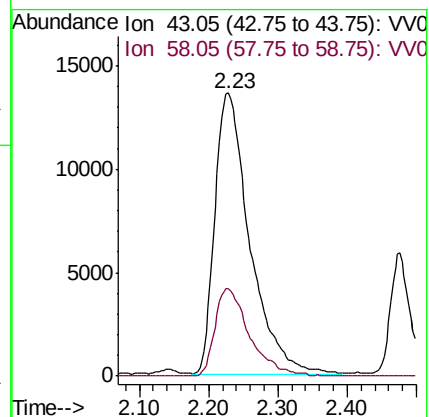
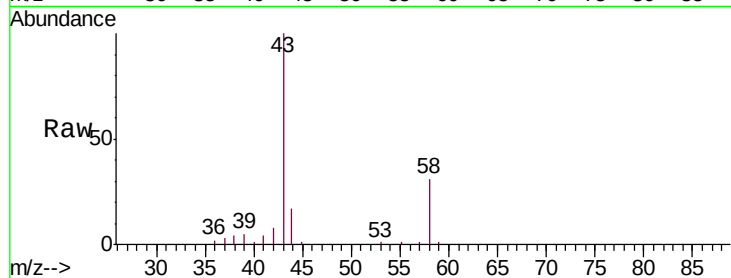
VSTD00565

Tgt Ion: 43 Resp: 47369

Ion Ratio Lower Upper

43 100

58 30.7 0.0 62.2



#14

Carbon disulfide

Concen: 4.237 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV008246.D

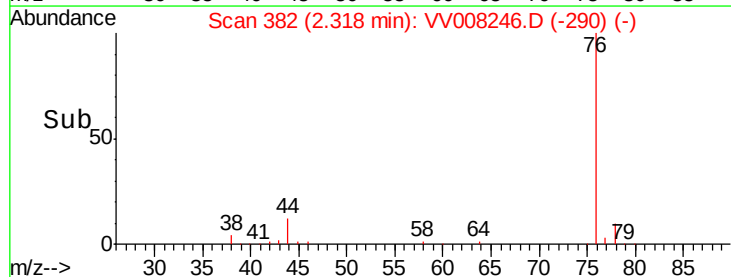
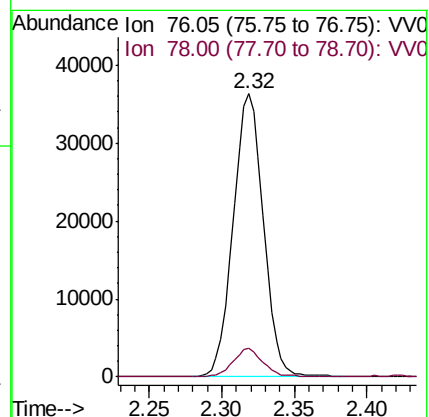
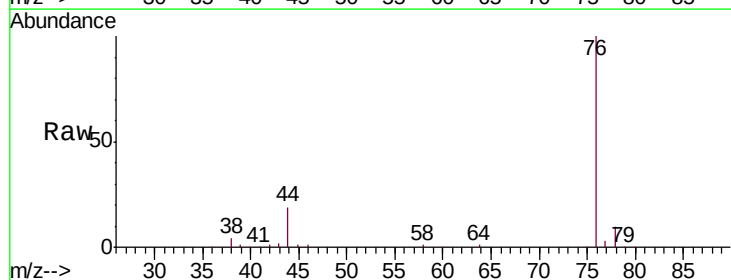
Acq: 10 Oct 2018 21:47

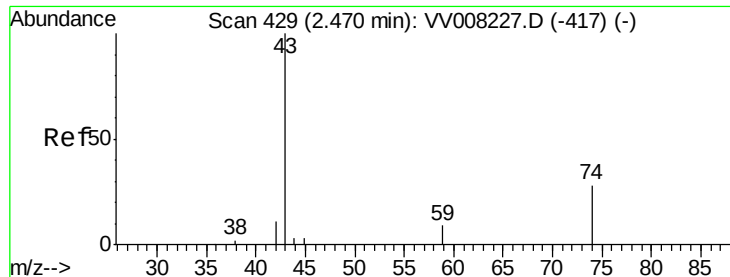
Tgt Ion: 76 Resp: 52419

Ion Ratio Lower Upper

76 100

78 10.0 8.0 12.0

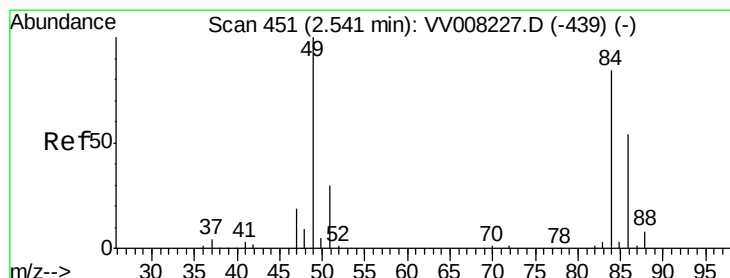
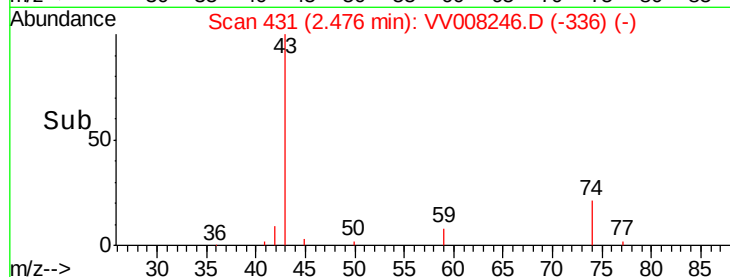
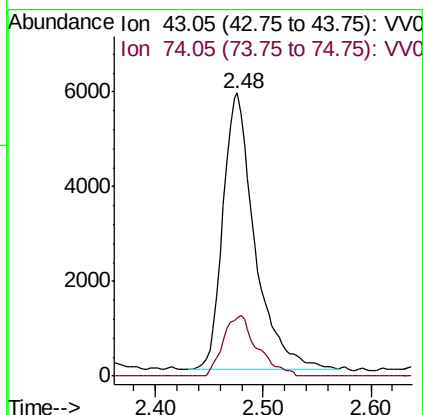
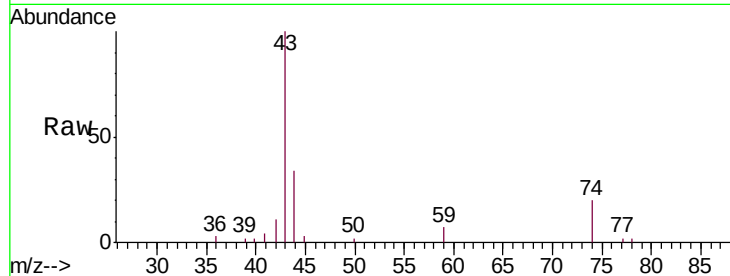




#15
Methyl Acetate
Concen: 5.596 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

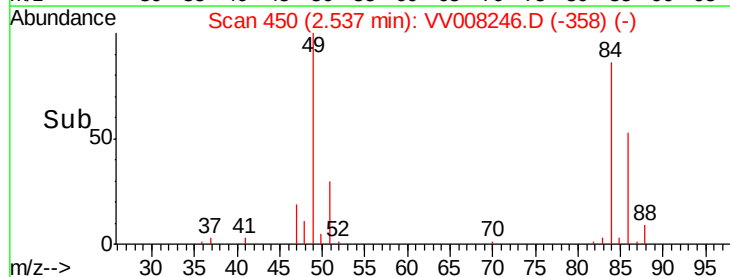
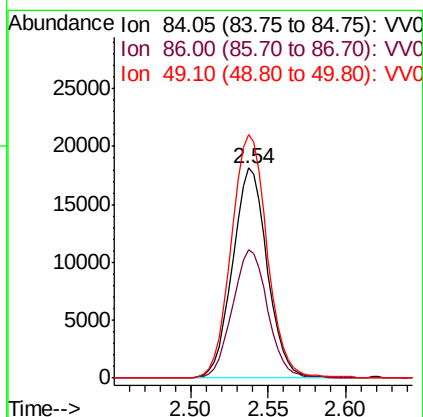
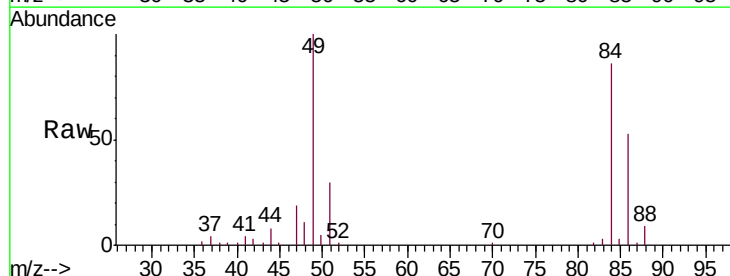
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

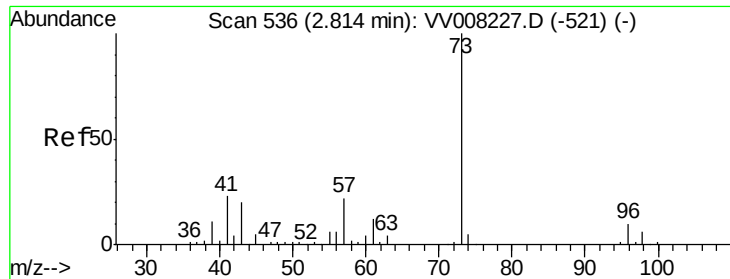
Tgt Ion: 43 Resp: 11928
Ion Ratio Lower Upper
43 100
74 23.5 18.1 27.1



#16
Methylene chloride
Concen: 4.789 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 84 Resp: 28244
Ion Ratio Lower Upper
84 100
86 61.0 45.3 84.1
49 116.1 83.0 154.1

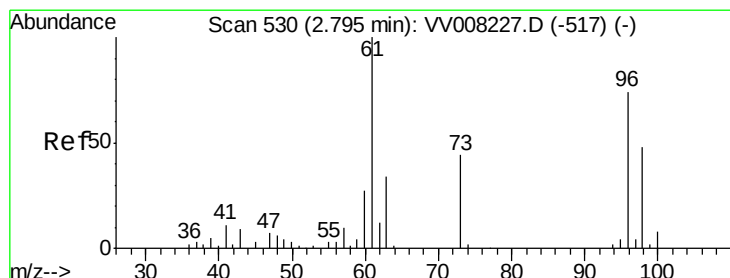
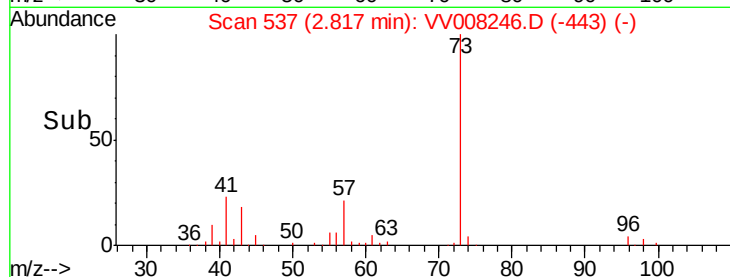
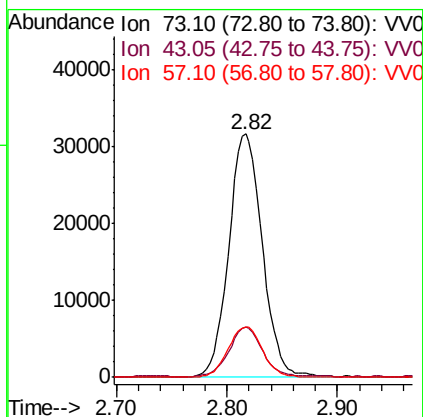
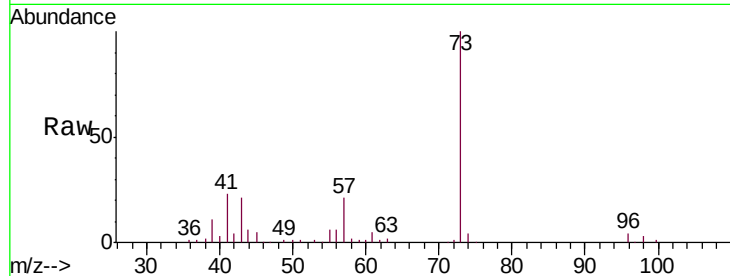




#17
Methyl tert-butyl Ether
Concen: 5.477 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

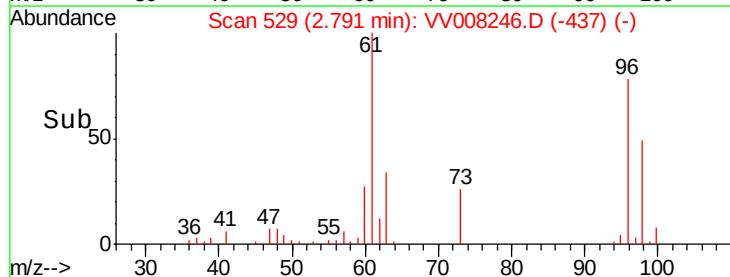
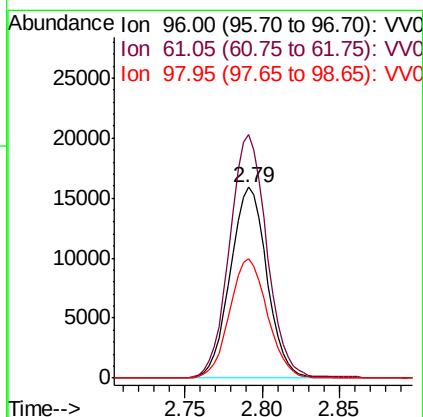
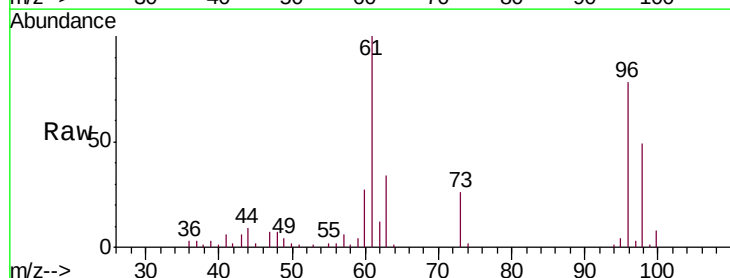
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

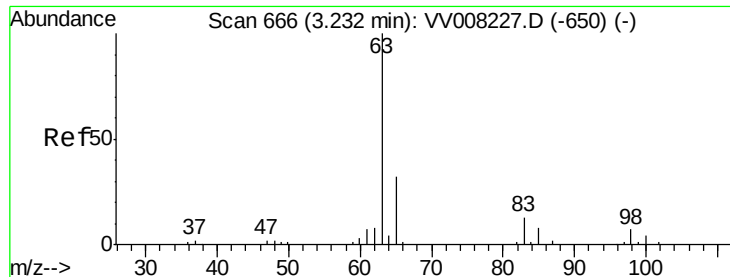
Tgt Ion: 73 Resp: 66734
Ion Ratio Lower Upper
73 100
43 20.5 17.0 25.4
57 21.3 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 4.952 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 96 Resp: 26277
Ion Ratio Lower Upper
96 100
61 127.5 91.6 170.2
98 62.3 44.4 82.5

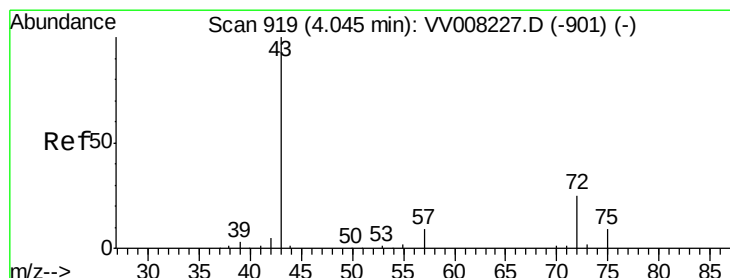
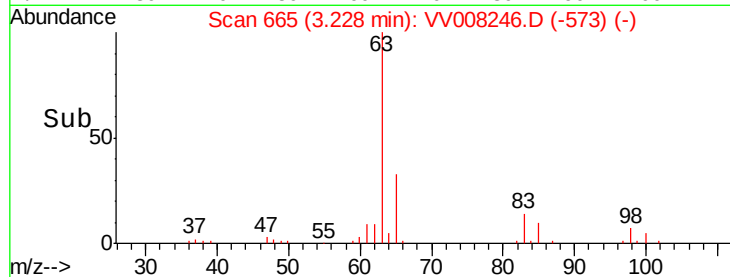
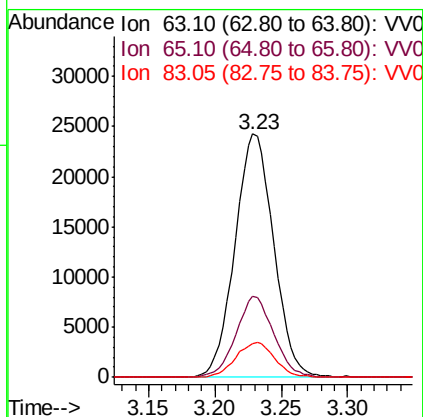
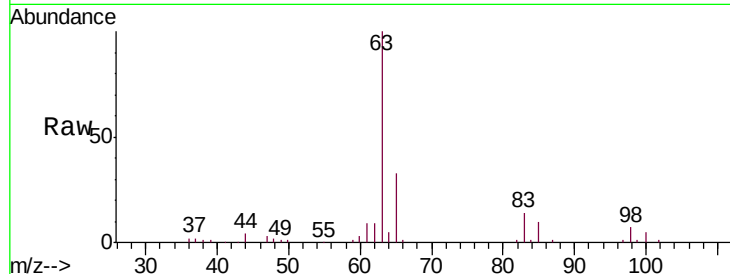




#19
 1,1-Dichloroethane
 Concen: 4.878 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

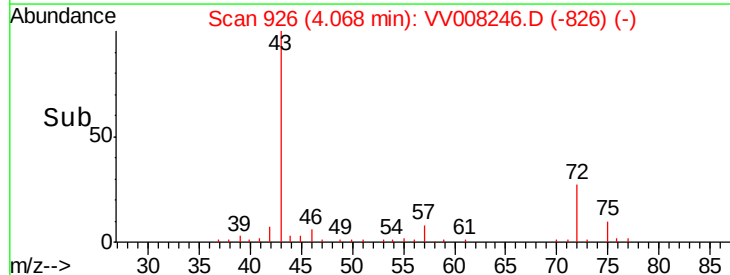
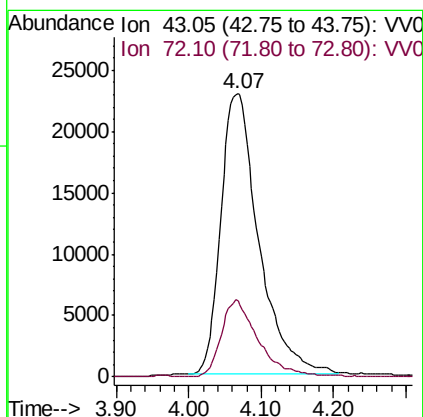
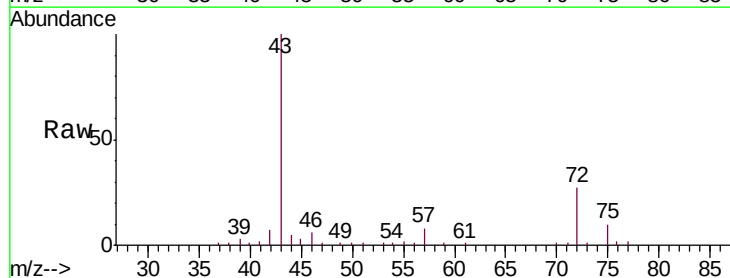
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

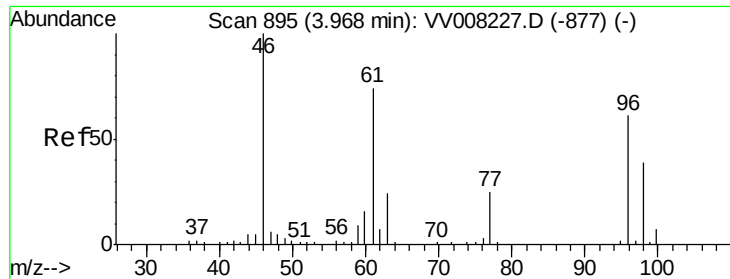
Tgt Ion: 63 Resp: 49287
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.4 41.6
 83 13.9 9.6 17.8



#21
 2-Butanone
 Concen: 57.618 ug/L
 RT: 4.07 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 43 Resp: 83455
 Ion Ratio Lower Upper
 43 100
 72 26.7 12.9 38.6



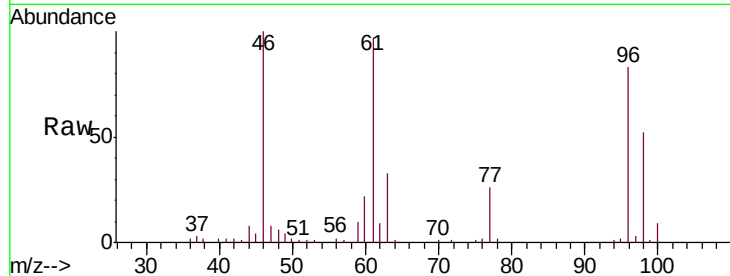


#22

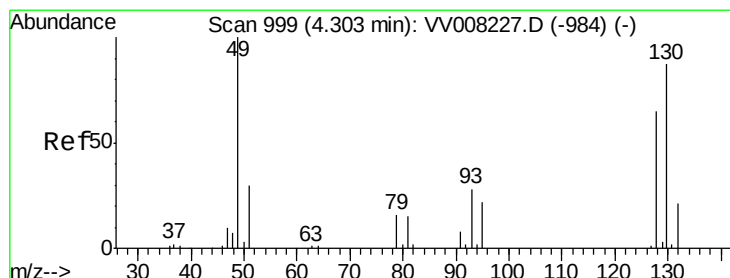
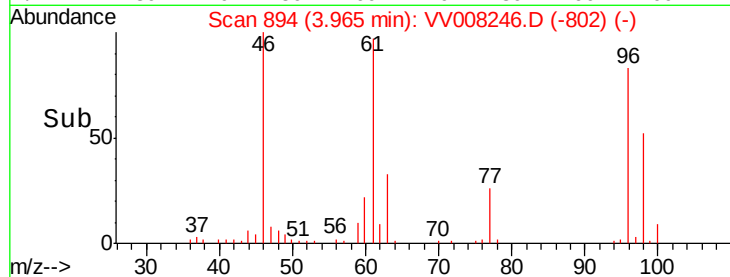
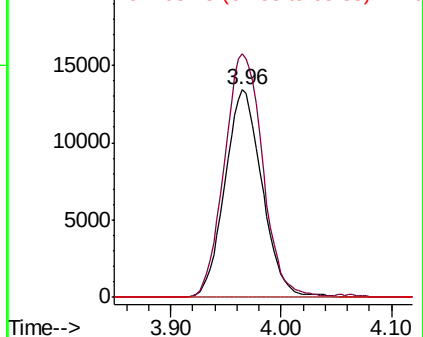
cis-1,2-Dichloroethene
Concen: 5.233 ug/L
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

Tgt Ion: 96 Resp: 31315
Ion Ratio Lower Upper
96 100
61 117.5 85.1 158.1
68 0.0 0.0 0.0



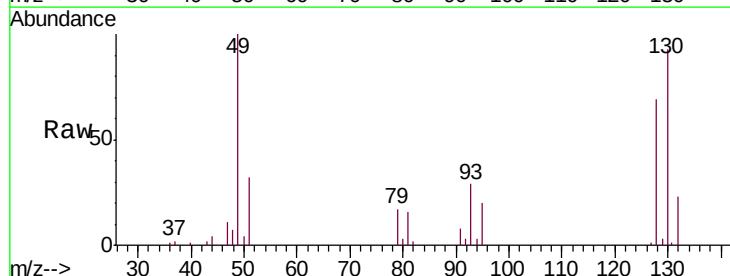
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



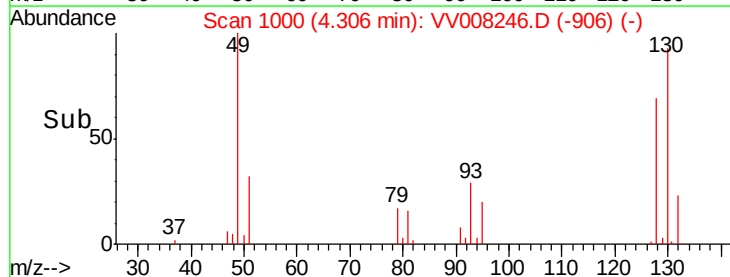
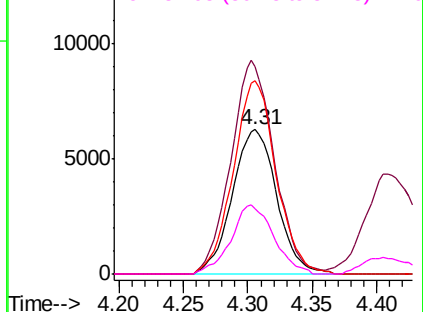
#23

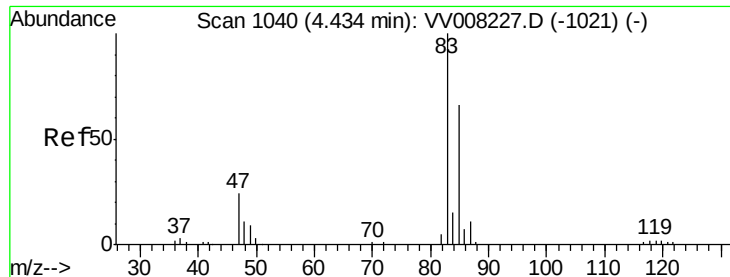
Bromochloromethane
Concen: 5.527 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 128 Resp: 15020
Ion Ratio Lower Upper
128 100
49 144.3 99.8 185.3
130 134.0 85.5 158.7
51 45.6 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

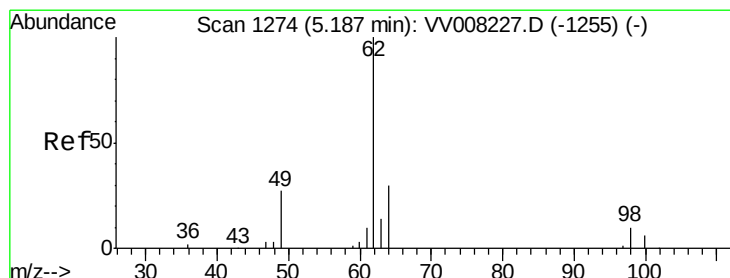
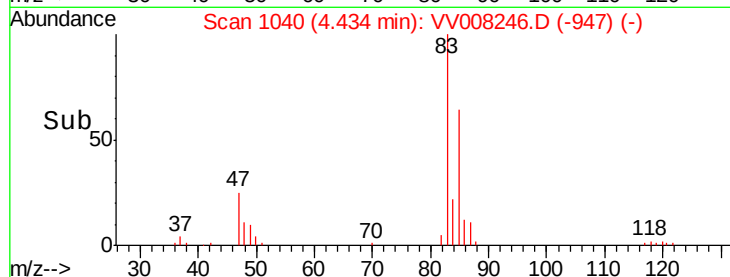
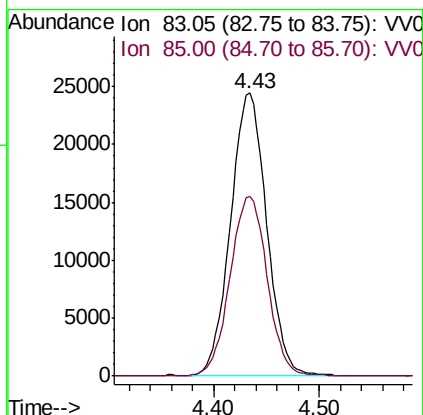
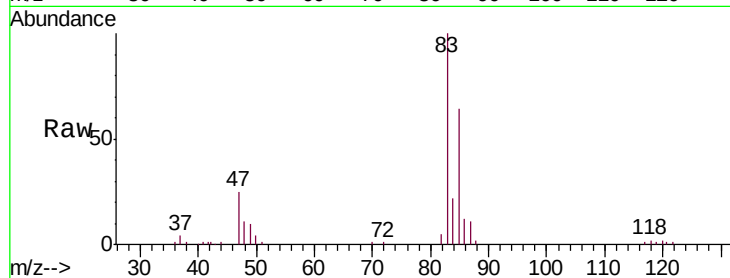




#25
Chloroform
Concen: 5.359 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

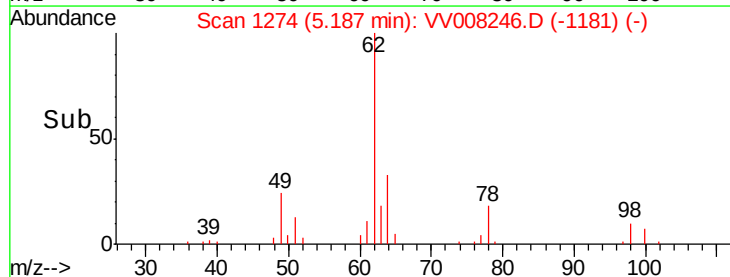
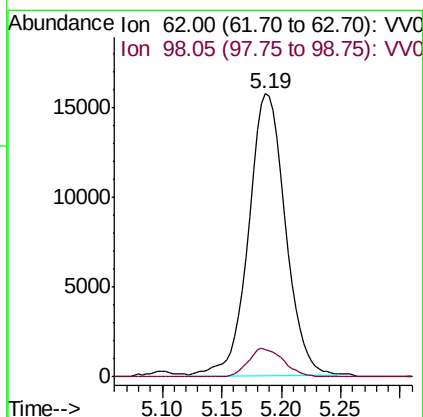
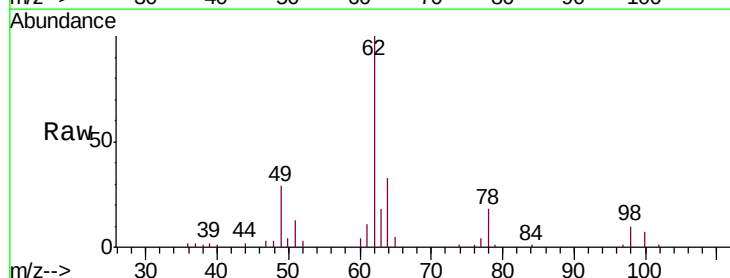
Instrument :
MSVOA_V
ClientSampled :
VSTD00565

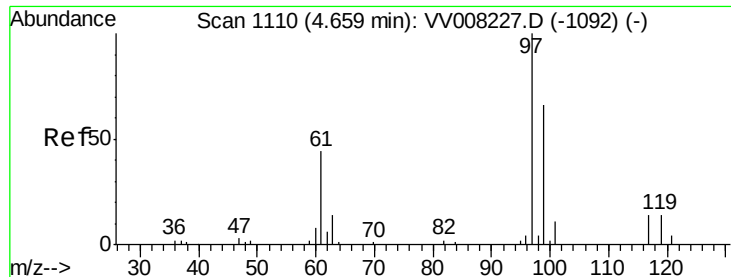
Tgt Ion: 83 Resp: 58262
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.256 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 62 Resp: 33573
Ion Ratio Lower Upper
62 100
98 9.9 7.3 10.9

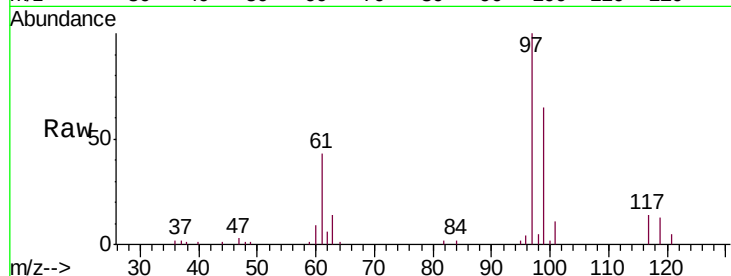




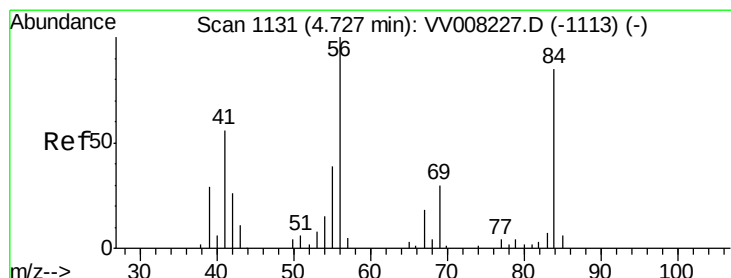
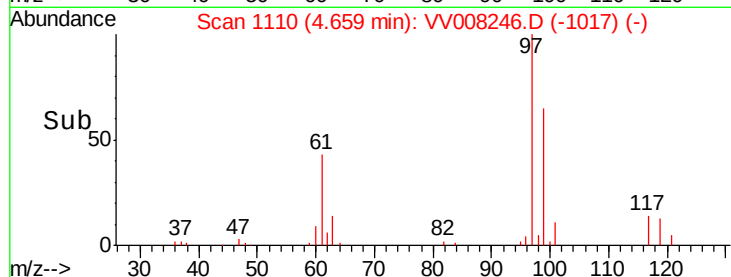
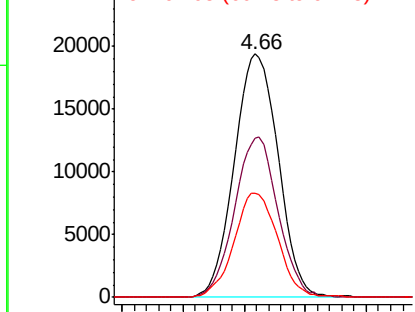
#29
 1,1,1-Trichloroethane
 Concen: 5.101 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 97 Resp: 48412
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.4
 61 42.7 34.0 51.0

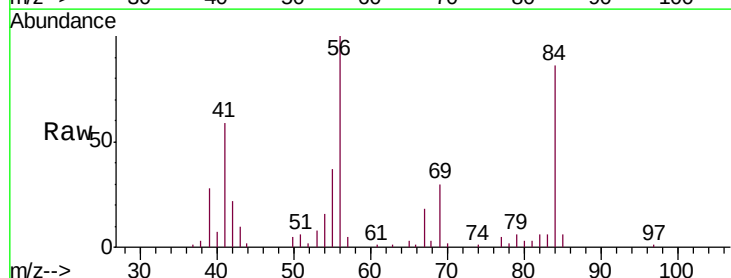


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

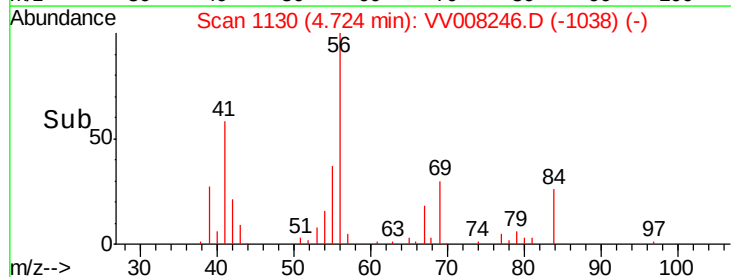
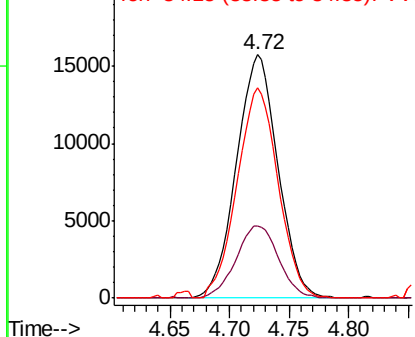


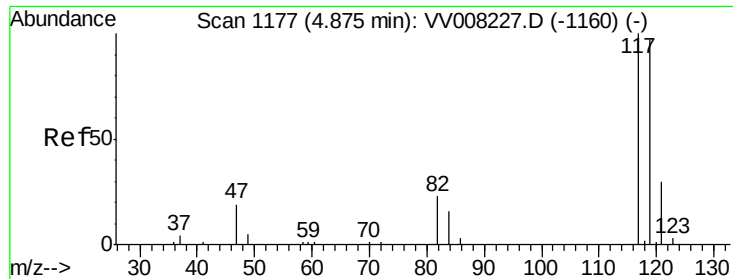
#30
 Cyclohexane
 Concen: 4.819 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 56 Resp: 37987
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.6 36.8
 84 85.6 70.7 106.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.065 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

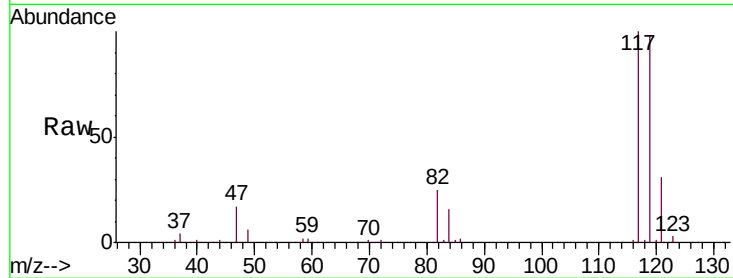
VSTD00565

Tgt Ion:117 Resp: 43193

Ion Ratio Lower Upper

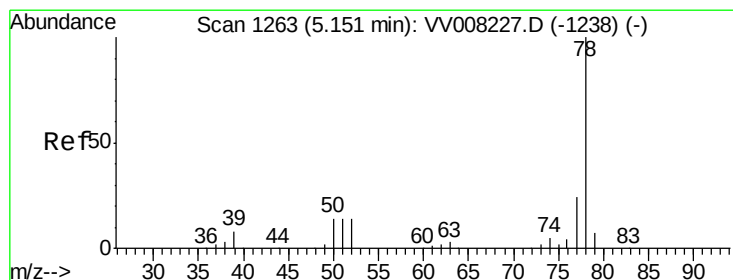
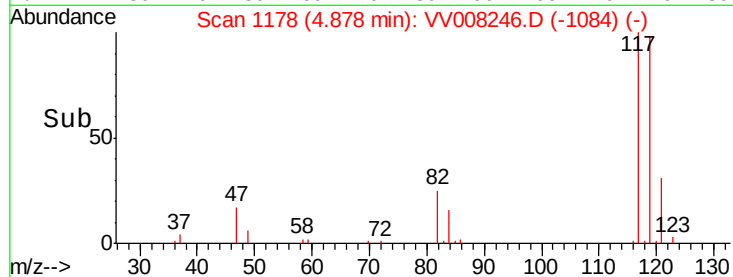
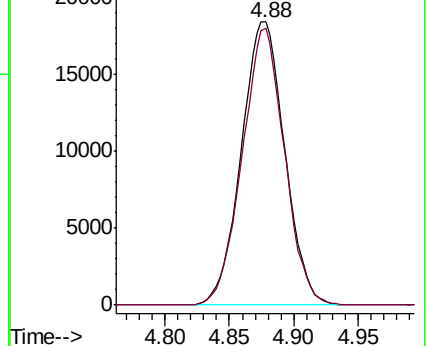
117 100

119 95.3 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: 5.418 ug/L

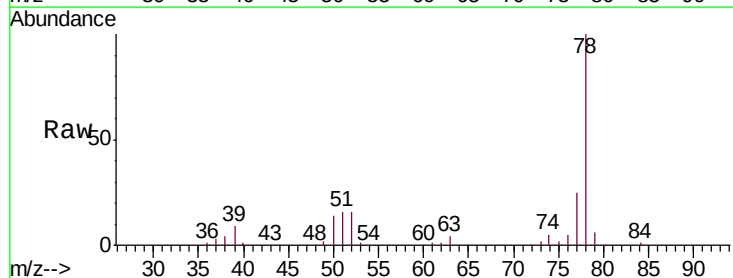
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

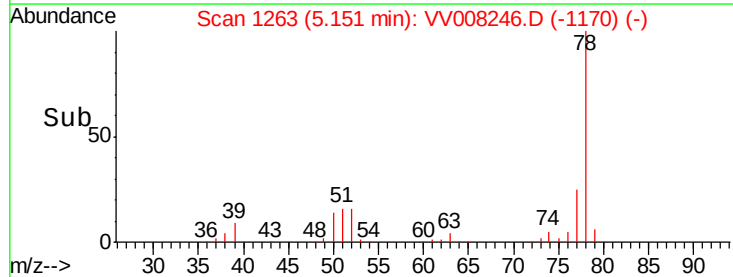
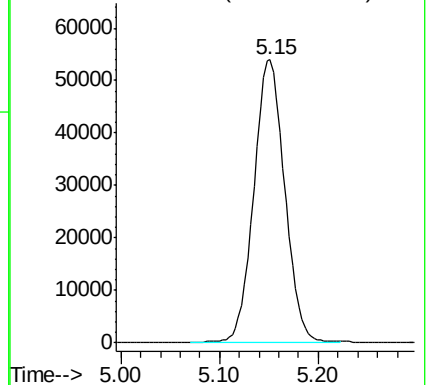
Lab File: VV008246.D

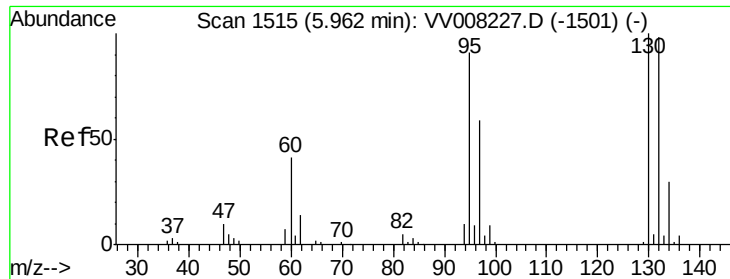
Acq: 10 Oct 2018 21:47

Tgt Ion: 78 Resp: 116831



Abundance Ion 78.10 (77.80 to 78.80): VV0

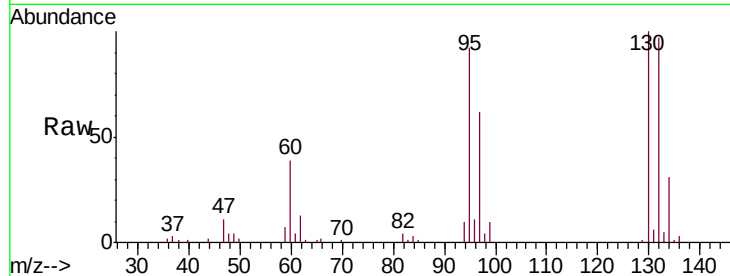




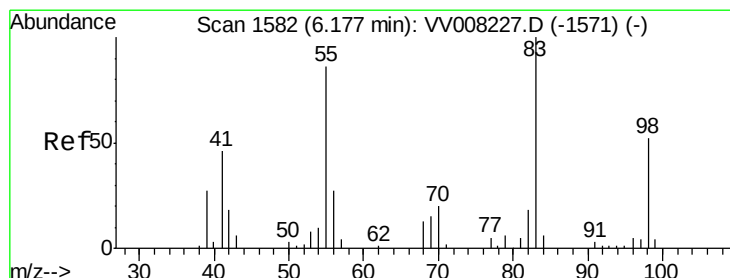
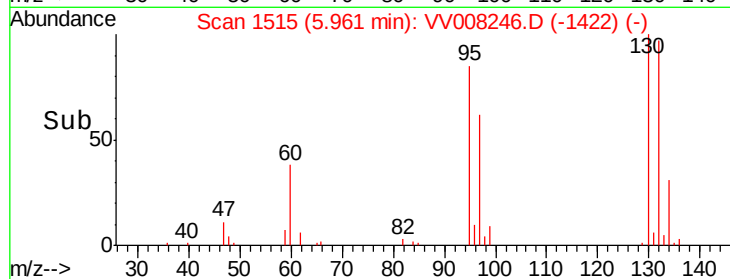
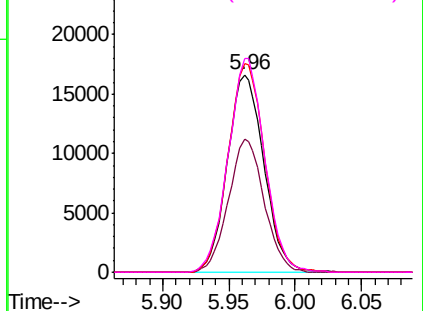
#34
 Trichloroethene
 Concen: 5.087 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion: 95 Resp: 32008
 Ion Ratio Lower Upper
 95 100
 97 67.1 44.9 83.5
 132 105.4 73.6 136.6
 130 108.2 76.2 141.6

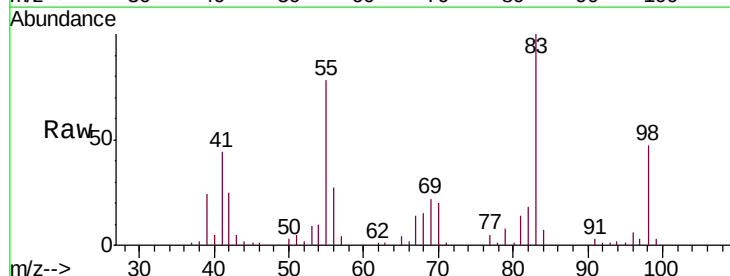


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

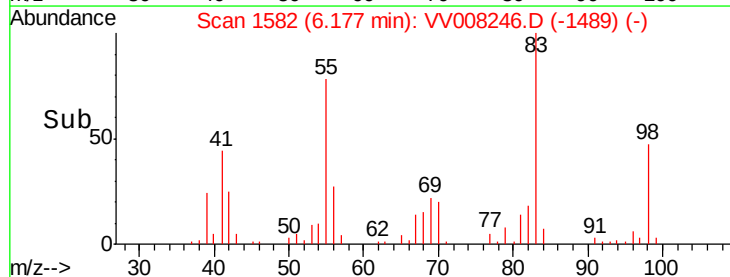
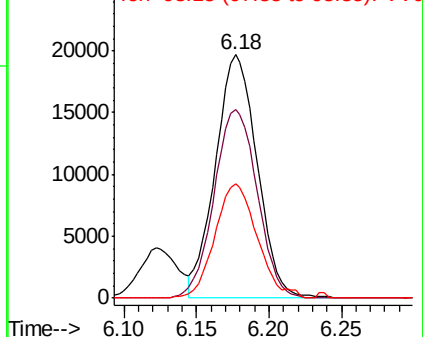


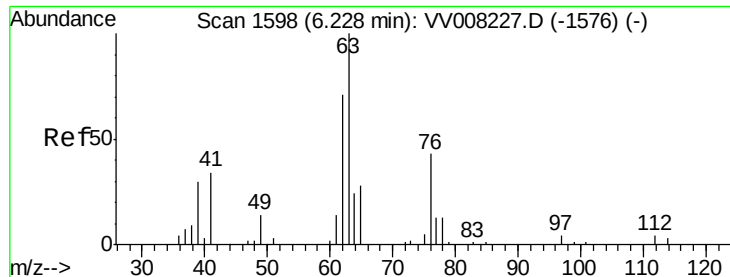
#35
 Methylcyclohexane
 Concen: 4.491 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 83 Resp: 39477
 Ion Ratio Lower Upper
 83 100
 55 80.0 63.6 95.4
 98 47.5 38.3 57.5



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

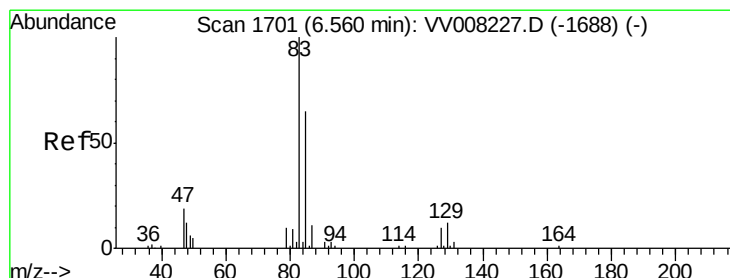
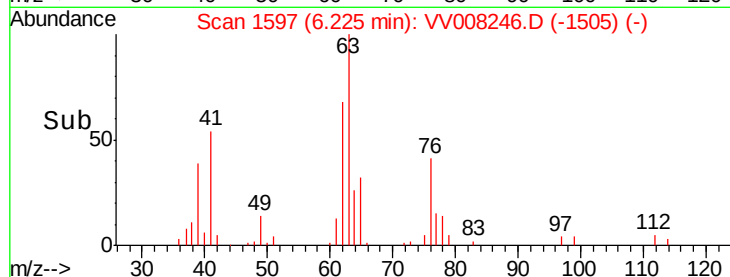
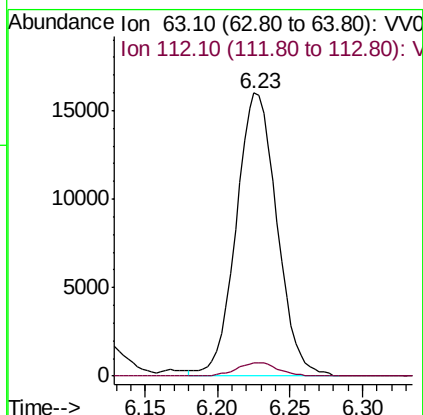
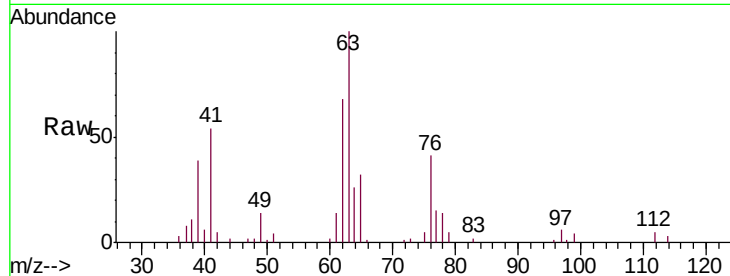




#37
 1,2-Dichloropropane
 Concen: 5.373 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

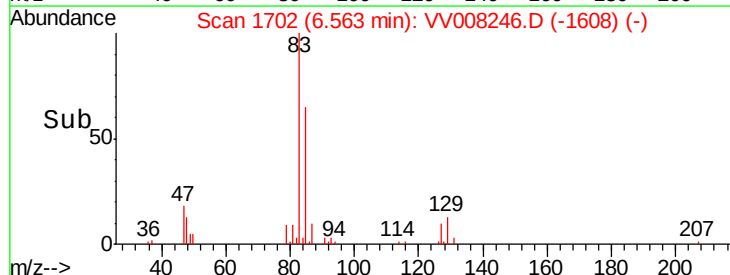
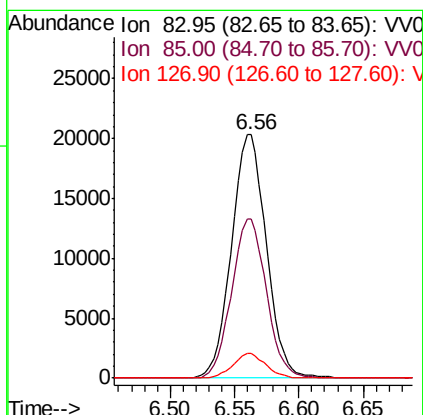
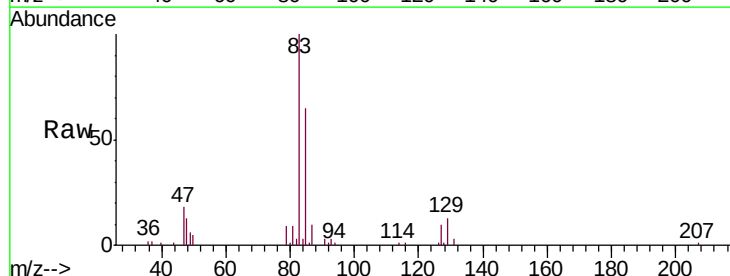
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

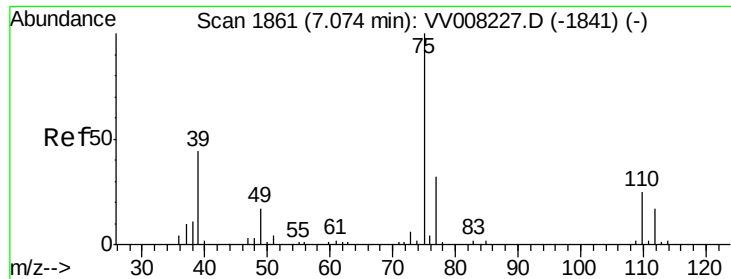
Tgt Ion: 63 Resp: 31261
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 5.358 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 83 Resp: 38134
 Ion Ratio Lower Upper
 83 100
 85 65.3 42.5 78.9
 127 10.1 7.7 11.5

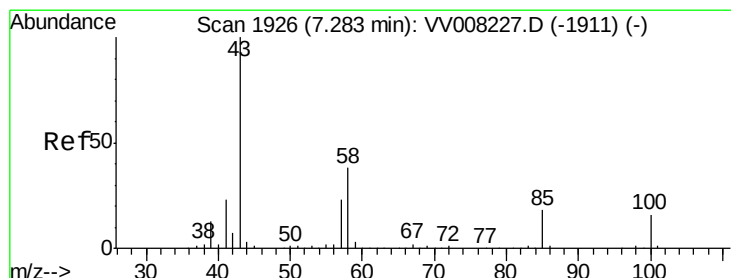
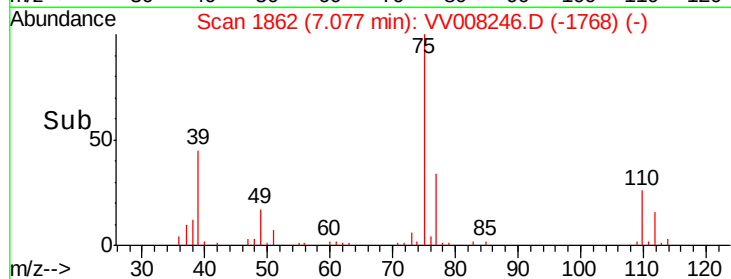
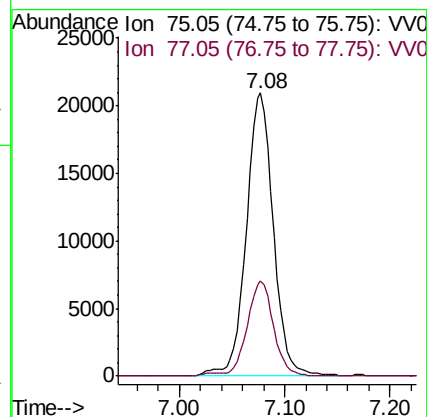
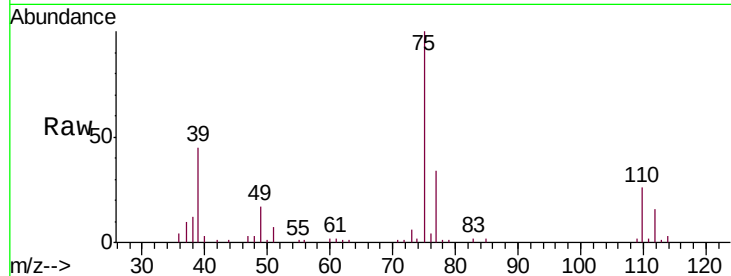




#39
 cis-1,3-Dichloropropene
 Concen: 5.007 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

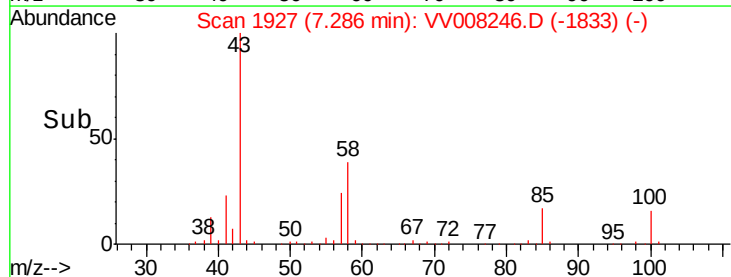
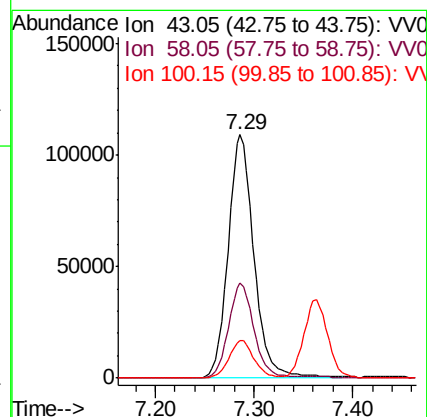
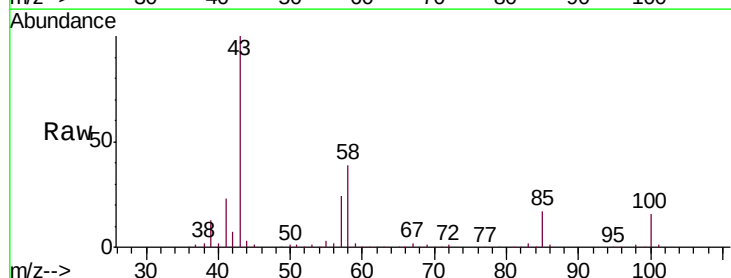
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

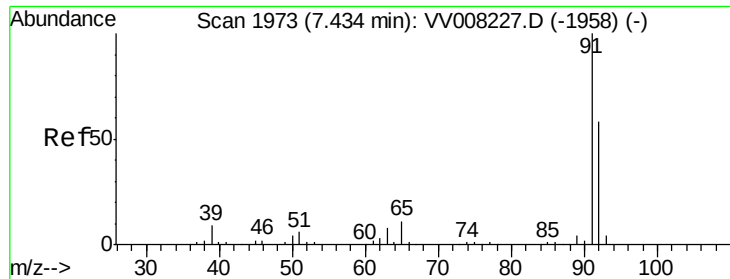
Tgt Ion: 75 Resp: 37359
 Ion Ratio Lower Upper
 75 100
 77 33.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 60.724 ug/L
 RT: 7.29 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 43 Resp: 200221
 Ion Ratio Lower Upper
 43 100
 58 38.4 29.8 44.8
 100 14.9 11.6 17.4





#42

Toluene

Concen: 5.500 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

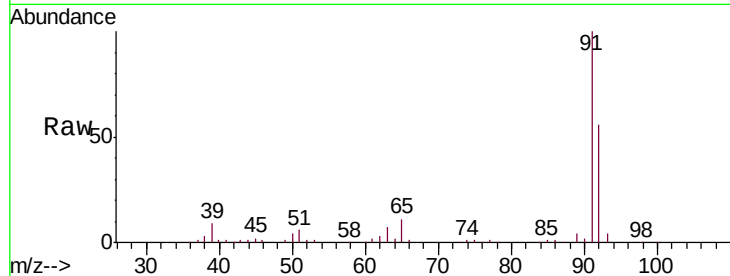
VSTD00565

Tgt Ion: 91 Resp: 125997

Ion Ratio Lower Upper

91 100

92 56.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008227.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV008227.D (-1958) (-)

7.43

80000

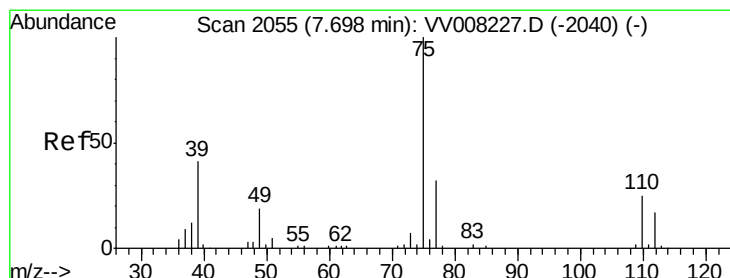
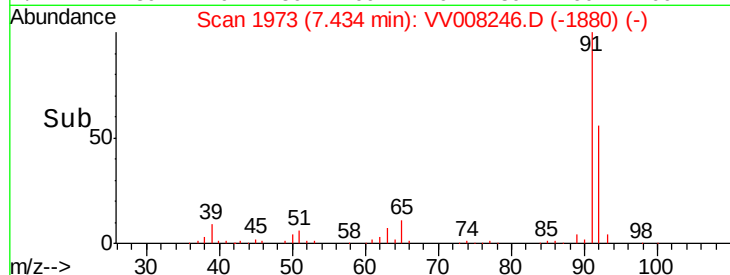
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.394 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV008246.D

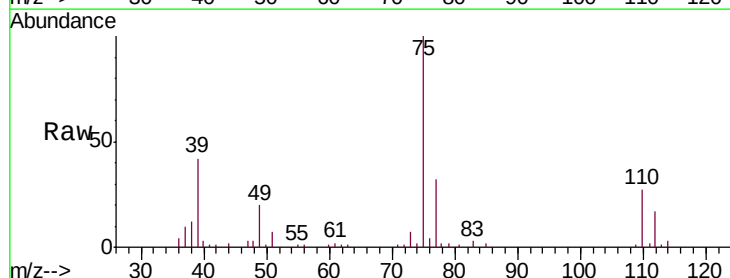
Acq: 10 Oct 2018 21:47

Tgt Ion: 75 Resp: 32726

Ion Ratio Lower Upper

75 100

77 32.1 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008227.D (-2040) (-)

Ion 77.05 (76.75 to 77.75): VV008227.D (-2040) (-)

7.70

20000

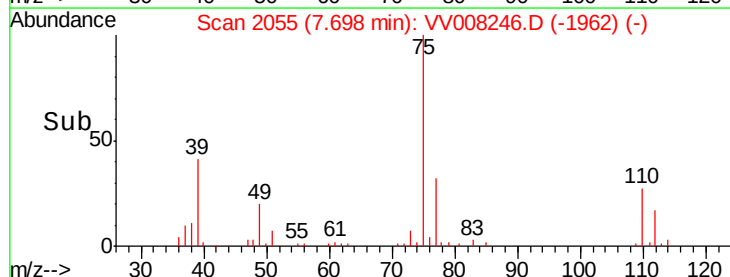
15000

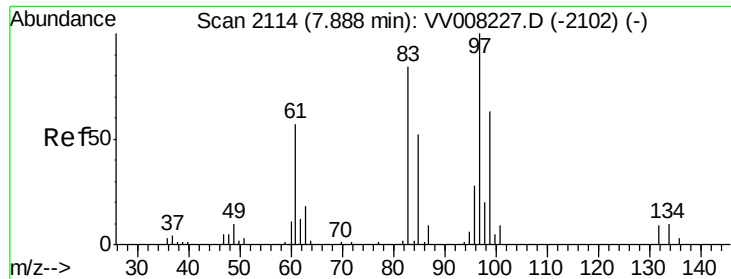
10000

5000

0

Time-->

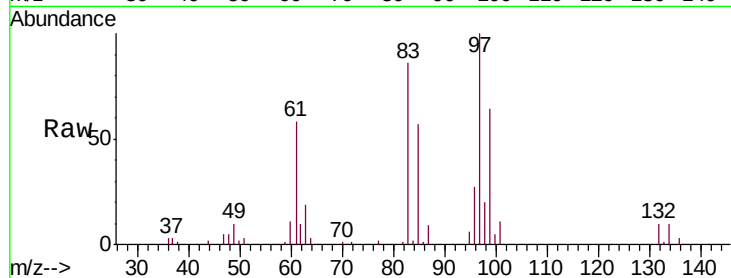




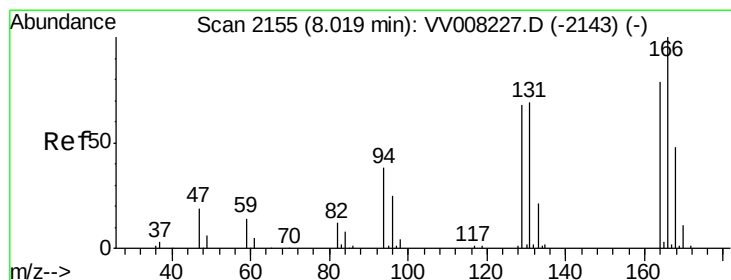
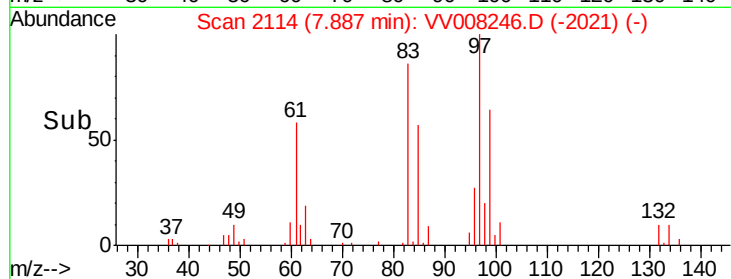
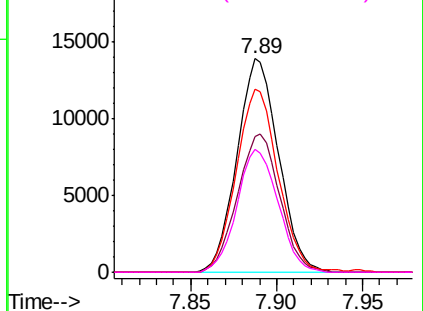
#45
 1,1,2-Trichloroethane
 Concen: 5.715 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:	97	Resp:	23321
Ion	Ratio	Lower	Upper
97	100		
99	63.7	42.6	79.0
83	85.7	57.5	106.7
85	57.3	36.5	67.7

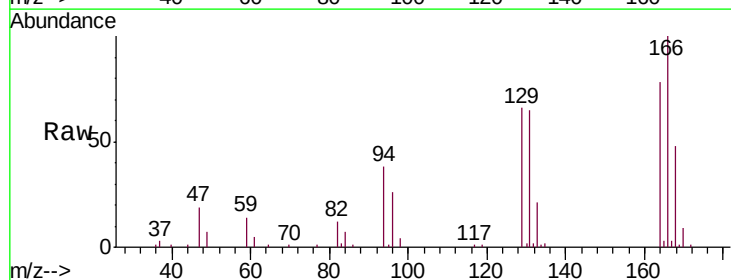


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

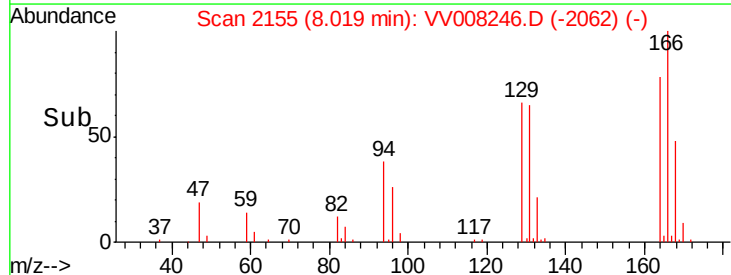
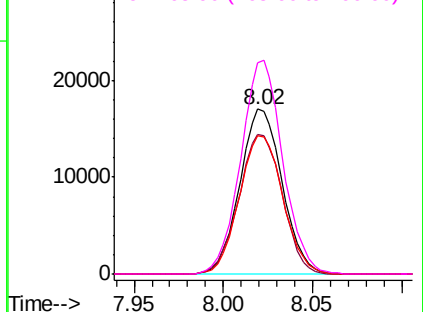


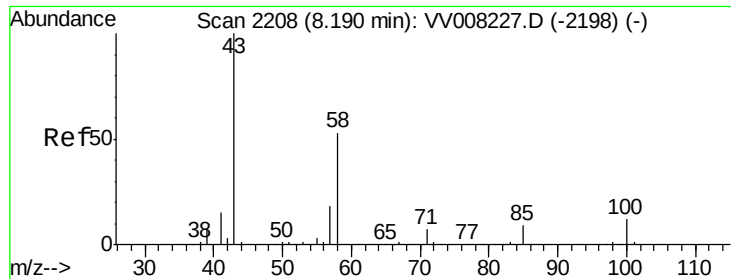
#47
 Tetrachloroethene
 Concen: 5.017 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion:	164	Resp:	28195
Ion	Ratio	Lower	Upper
164	100		
129	85.0	62.2	115.4
131	83.7	60.5	112.5
166	128.1	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

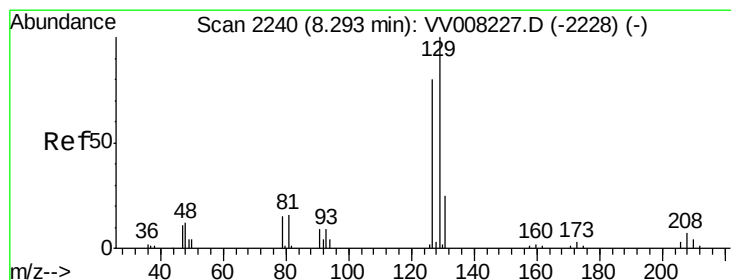
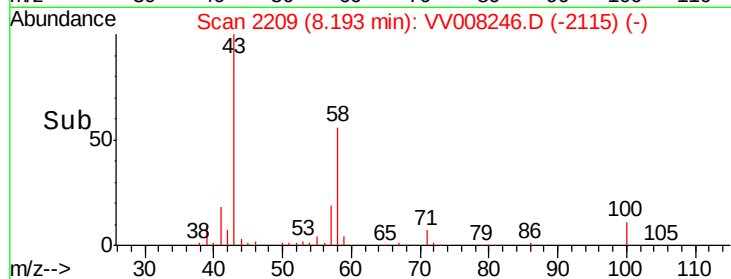
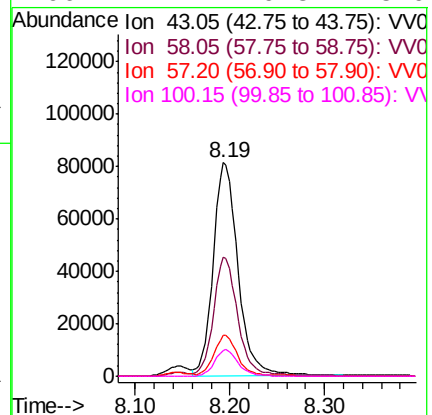
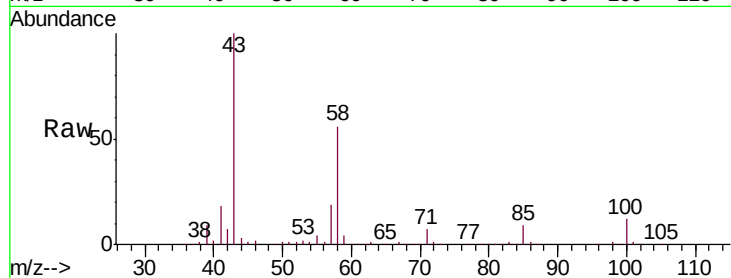




#48
2-Hexanone
Concen: 66.580 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

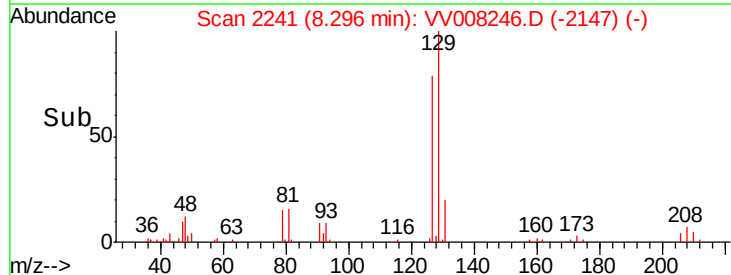
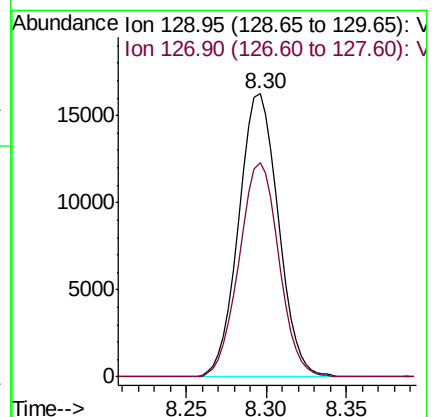
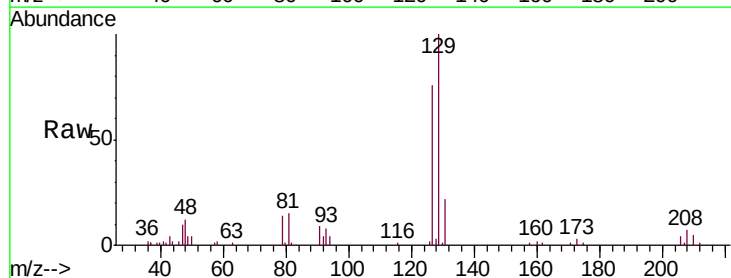
Instrument :
MSVOA_V
ClientSampleId :
VSTD00565

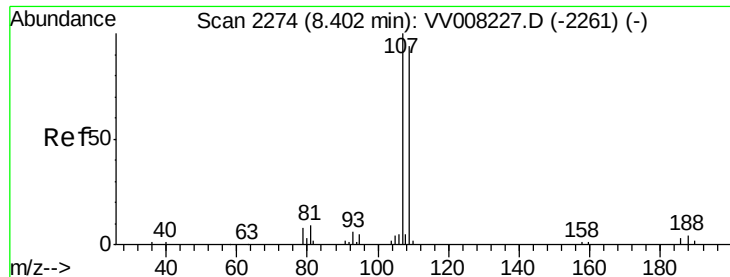
Tgt Ion: 43 Resp: 149035
Ion Ratio Lower Upper
43 100
58 53.8 40.5 60.7
57 17.7 14.6 22.0
100 12.1 9.3 13.9



#49
Dibromochloromethane
Concen: 5.403 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV008246.D
Acq: 10 Oct 2018 21:47

Tgt Ion: 129 Resp: 27508
Ion Ratio Lower Upper
129 100
127 75.6 54.5 101.3





#50

1,2-Dibromoethane

Concen: 5.727 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

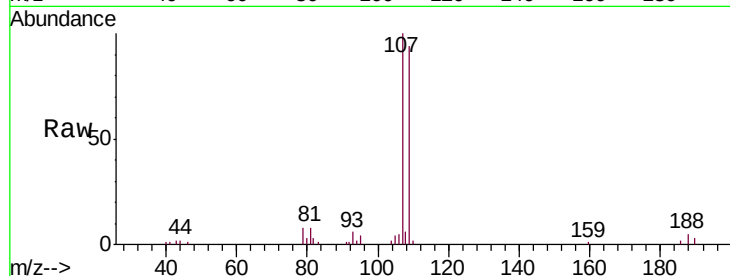
Tgt Ion:107 Resp: 21218

Ion Ratio Lower Upper

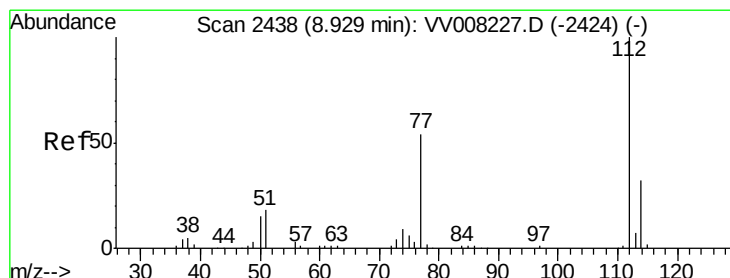
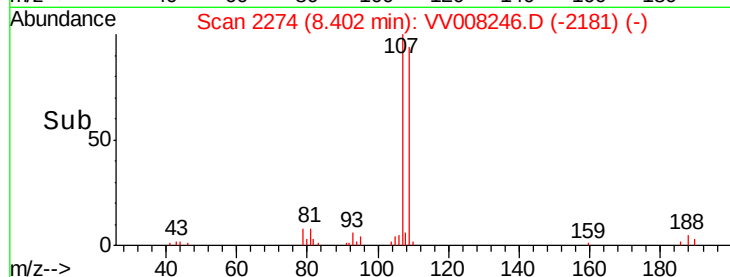
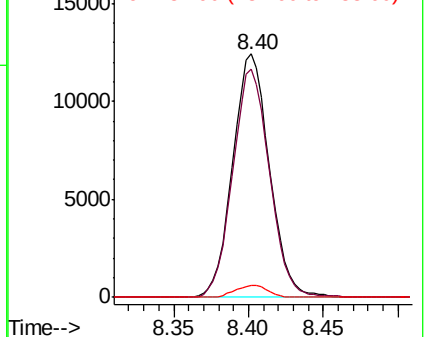
107 100

109 93.6 65.5 121.6

188 4.7 3.5 5.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.307 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

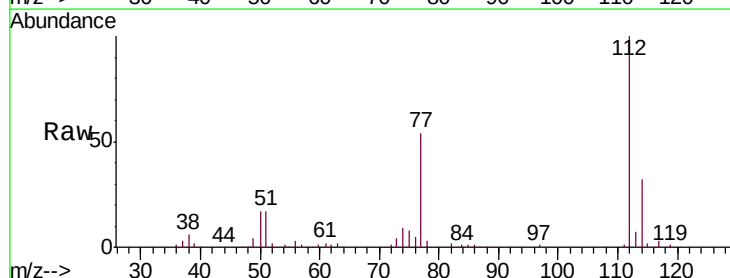
Tgt Ion:112 Resp: 85021

Ion Ratio Lower Upper

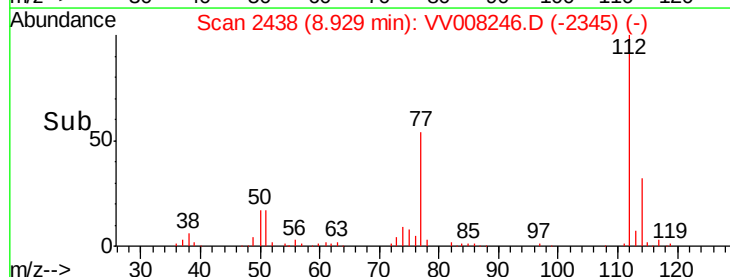
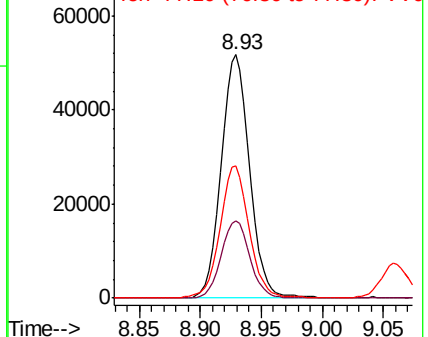
112 100

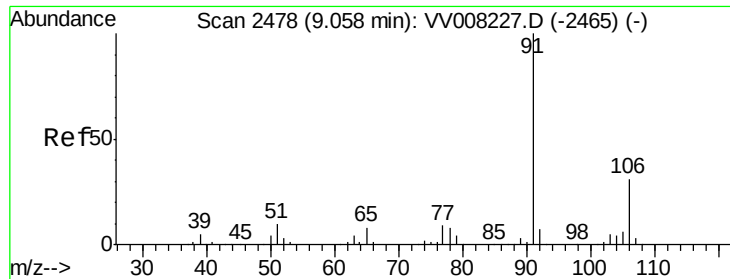
114 31.8 22.8 42.4

77 54.5 44.6 66.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.123 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

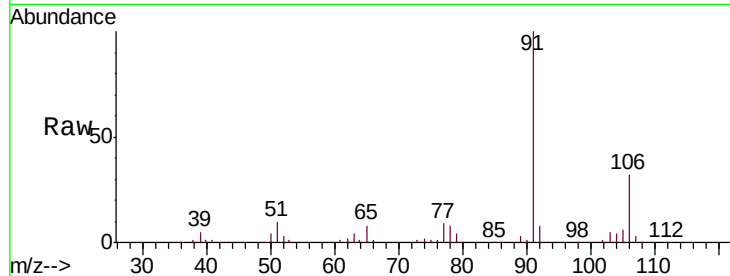
VSTD00565

Tgt Ion: 91 Resp: 128073

Ion Ratio Lower Upper

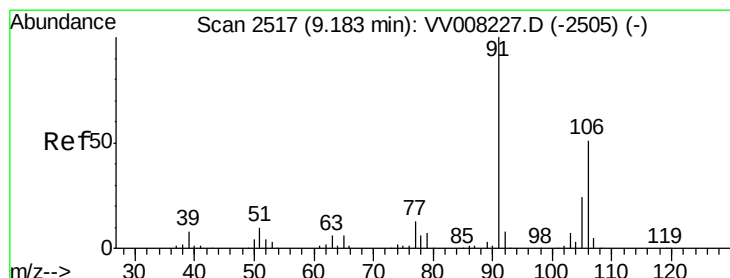
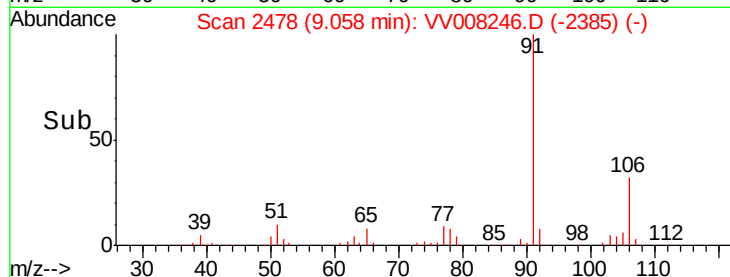
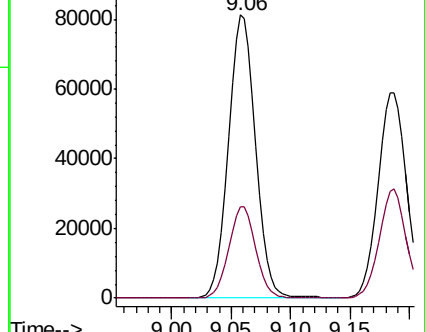
91 100

106 32.2 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008246.D (-2385) (-)

Ion 106.15 (105.85 to 106.85): VV008246.D (-2385) (-)



#53

m,p-xylene

Concen: 5.236 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008246.D

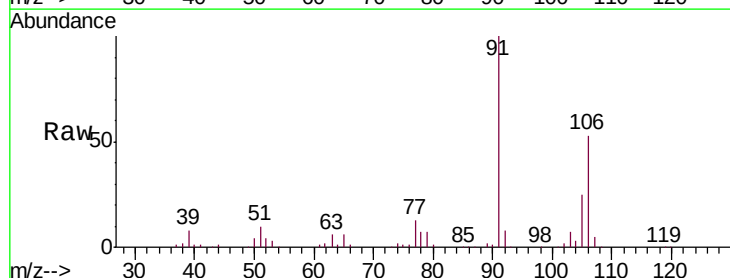
Acq: 10 Oct 2018 21:47

Tgt Ion: 106 Resp: 49628

Ion Ratio Lower Upper

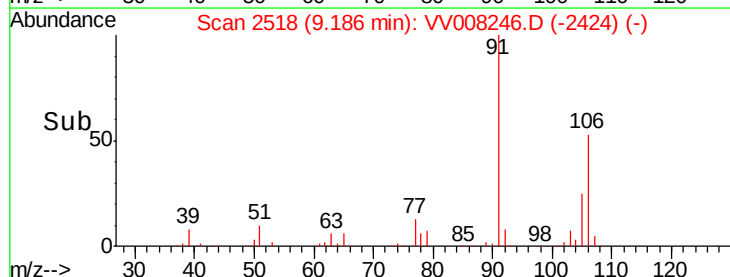
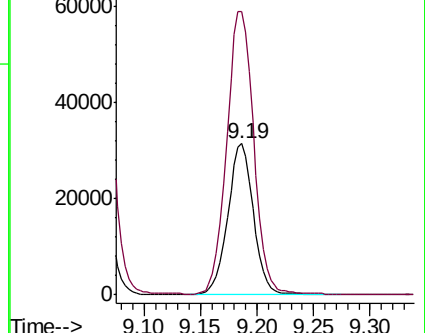
106 100

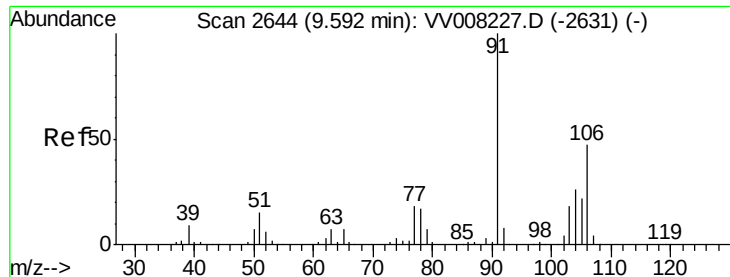
91 187.1 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008246.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV008246.D (-2424) (-)





#54

o-xylene

Concen: 5.354 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

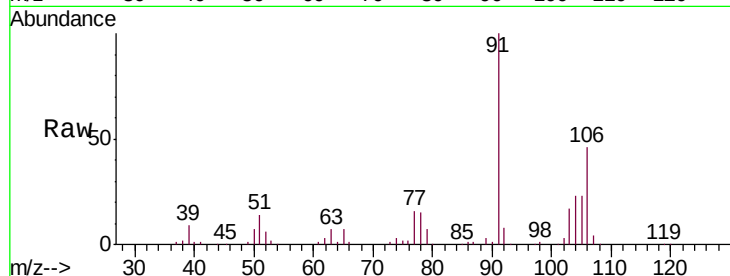
VSTD00565

Tgt Ion:106 Resp: 48447

Ion Ratio Lower Upper

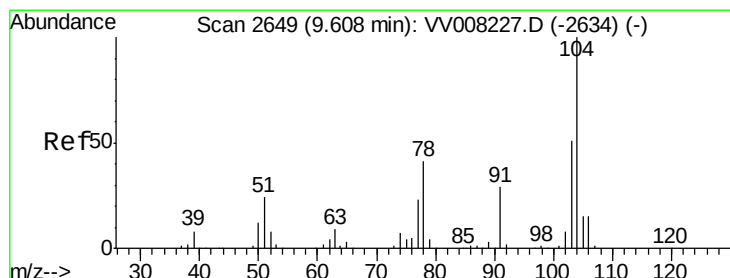
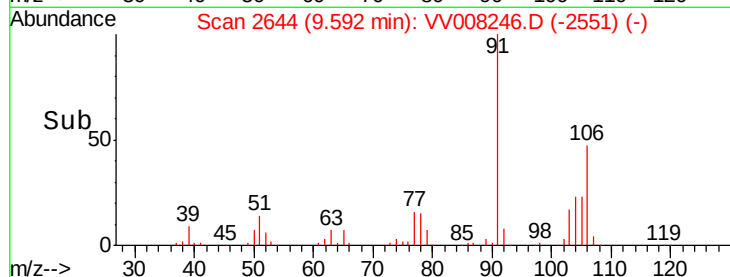
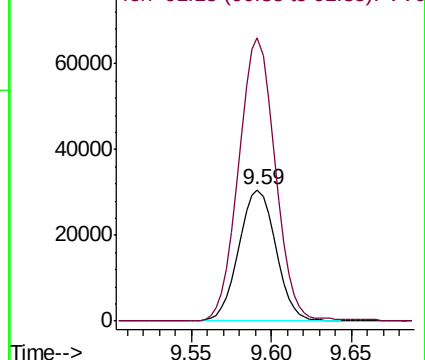
106 100

91 215.4 149.1 276.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.482 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV008246.D

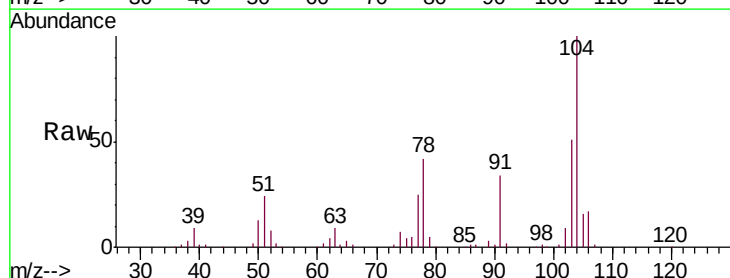
Acq: 10 Oct 2018 21:47

Tgt Ion:104 Resp: 84481

Ion Ratio Lower Upper

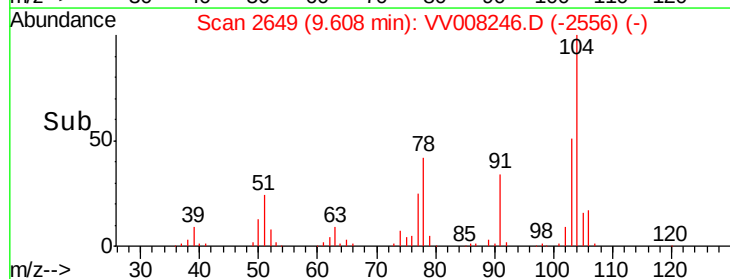
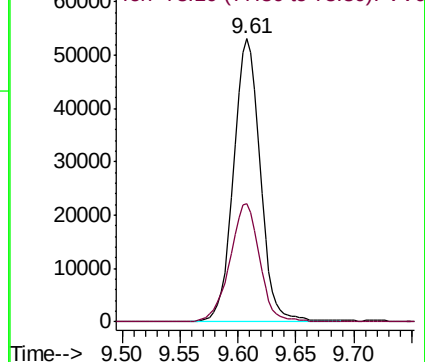
104 100

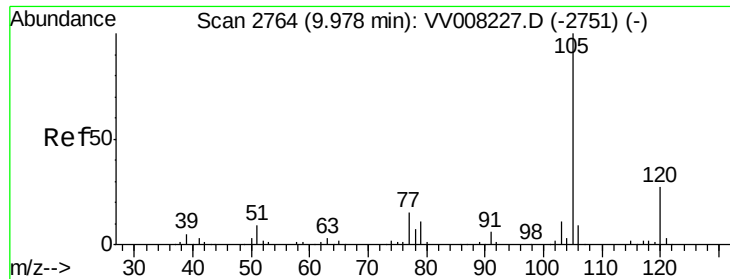
78 42.0 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.158 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampled :

VSTD00565

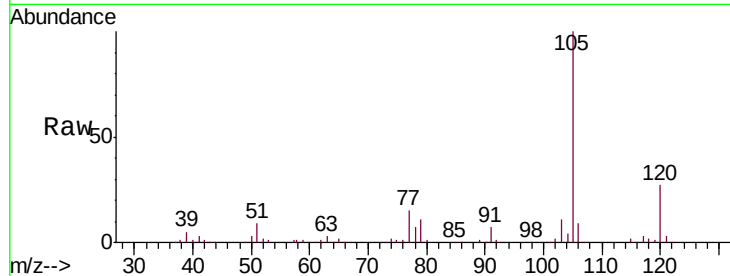
Tgt Ion: 105 Resp: 128391

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

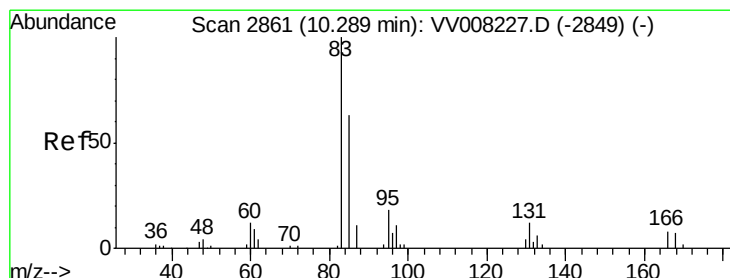
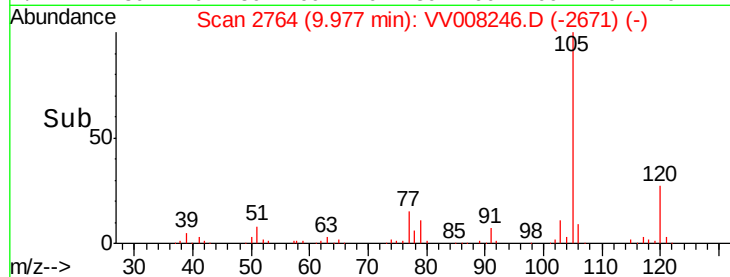
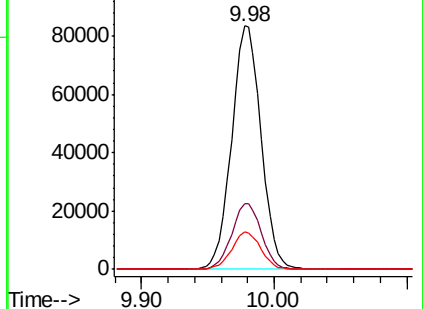
77 15.1 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.474 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

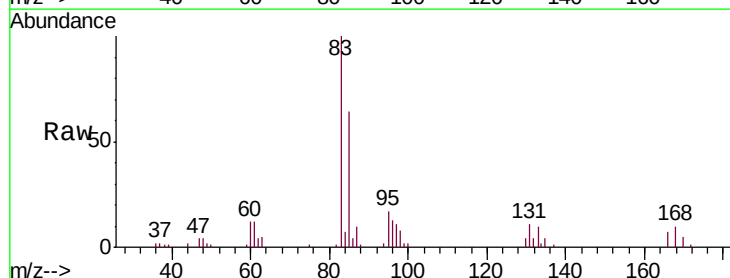
Tgt Ion: 83 Resp: 25896

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

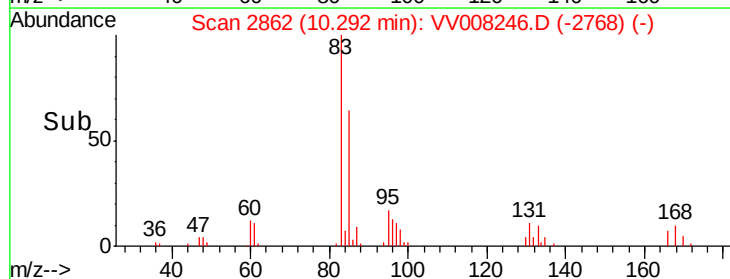
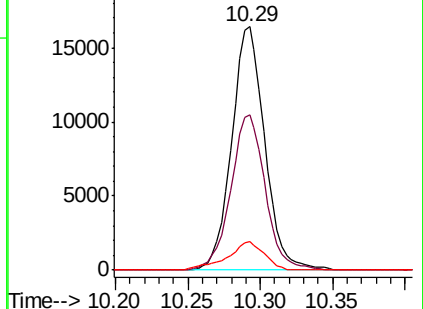
131 11.5 8.8 13.2

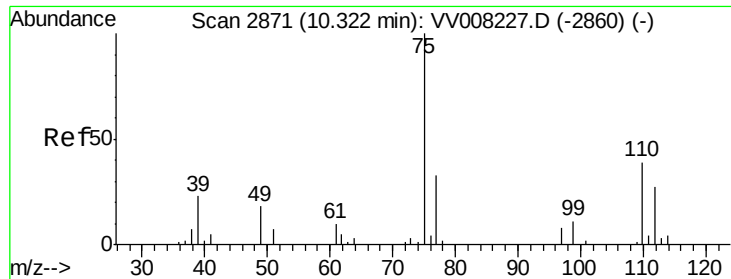


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

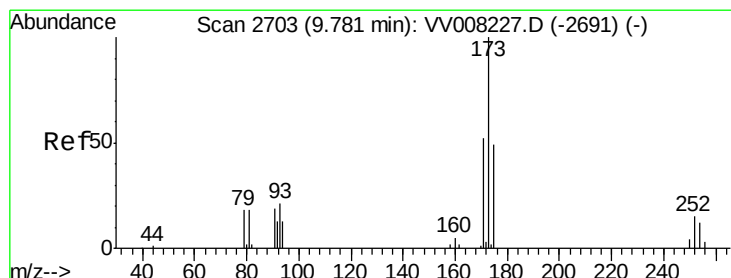
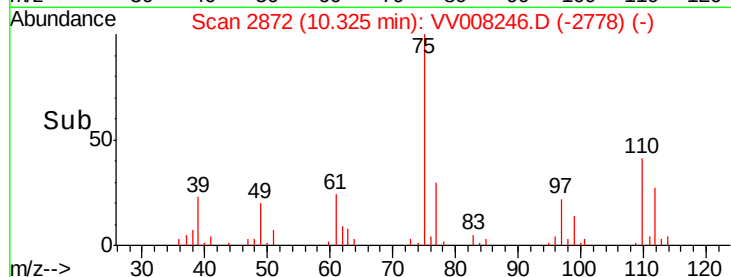
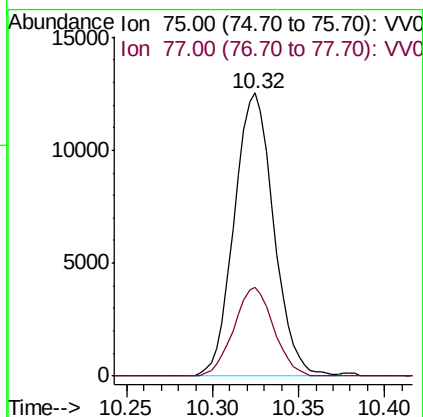
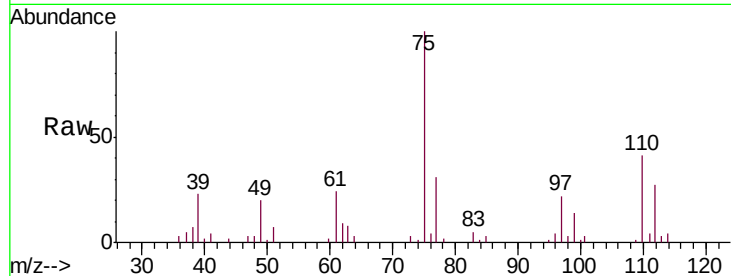




#59
 1,2,3-Trichloropropane
 Concen: 5.897 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

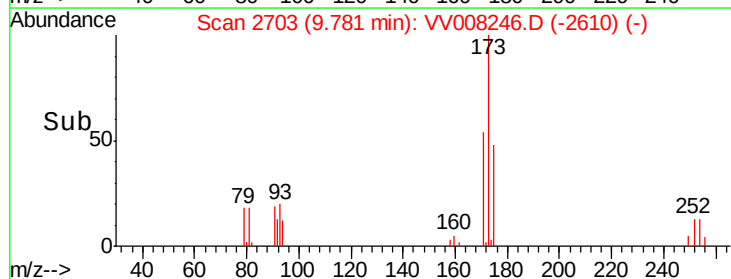
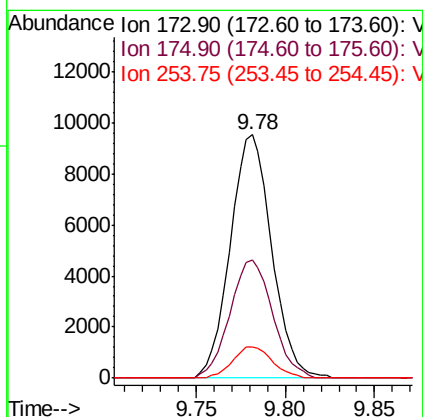
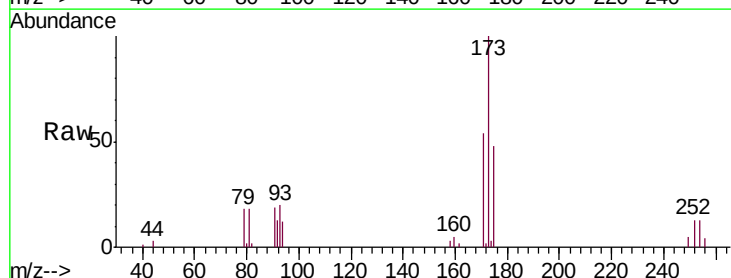
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

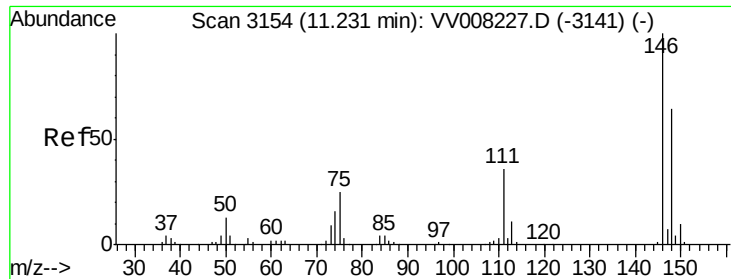
Tgt Ion: 75 Resp: 20033
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.8 41.6



#61
 Bromoform
 Concen: 5.767 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 173 Resp: 15399
 Ion Ratio Lower Upper
 173 100
 175 49.9 39.8 59.8
 254 12.2 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 5.079 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

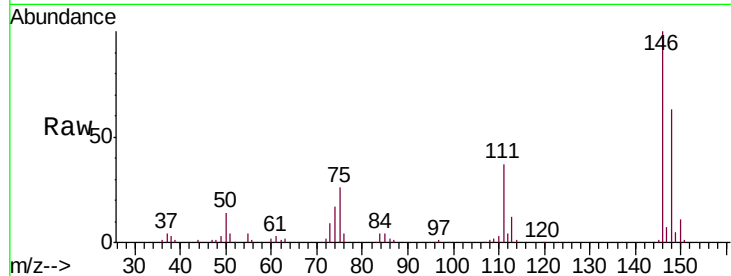
Tgt Ion:146 Resp: 65559

Ion Ratio Lower Upper

146 100

111 37.0 25.8 48.0

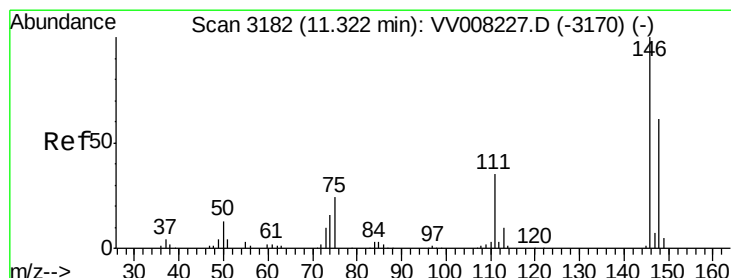
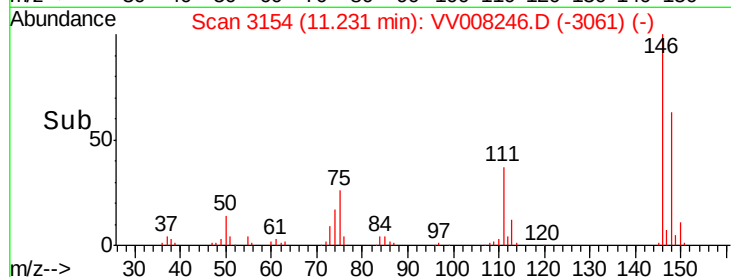
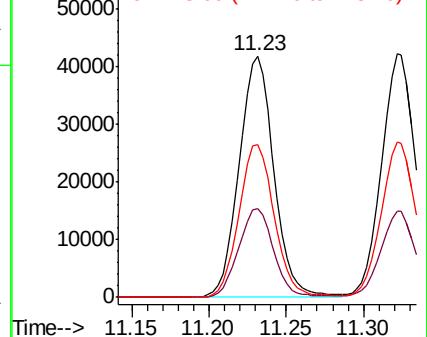
148 63.2 44.4 82.4



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: 5.117 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

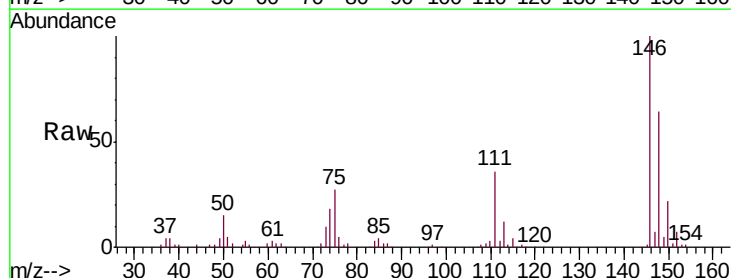
Tgt Ion:146 Resp: 67336

Ion Ratio Lower Upper

146 100

111 35.6 24.2 45.0

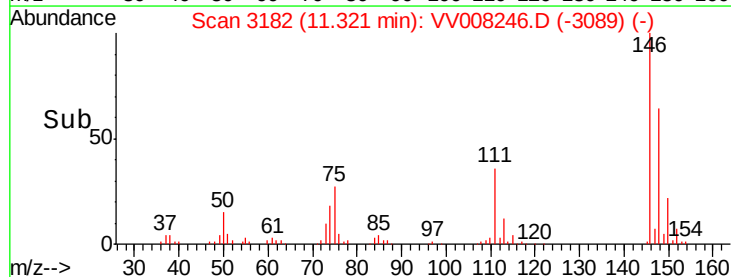
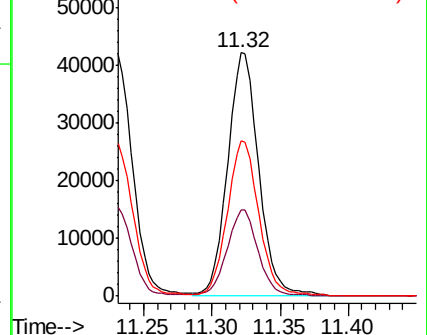
148 64.0 44.0 81.6

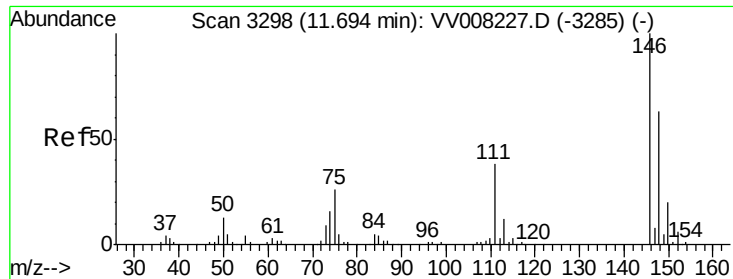


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

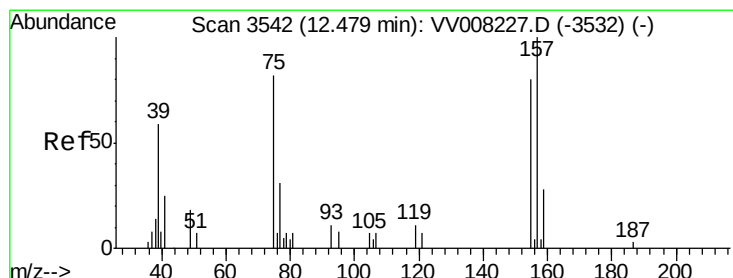
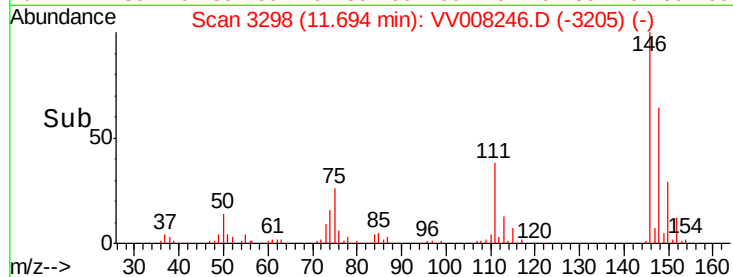
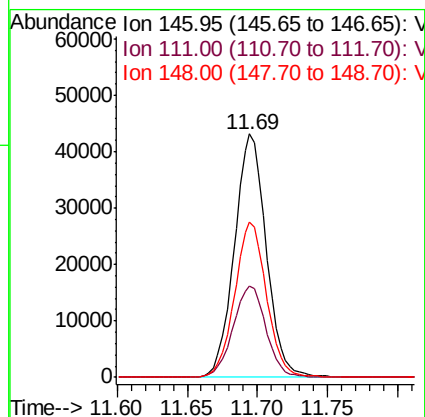
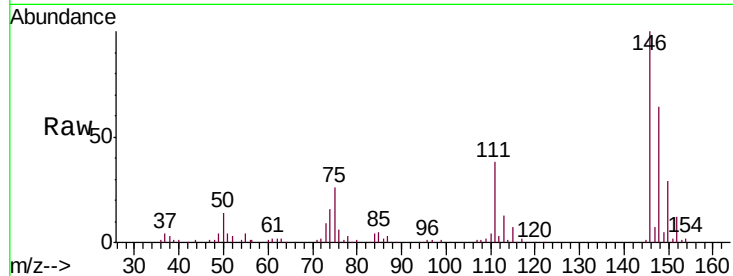




#65
 1,2-Dichlorobenzene
 Concen: 5.464 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

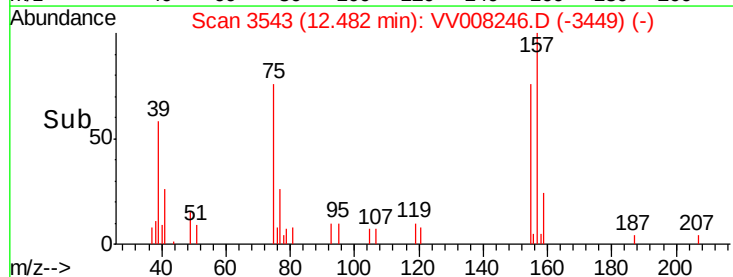
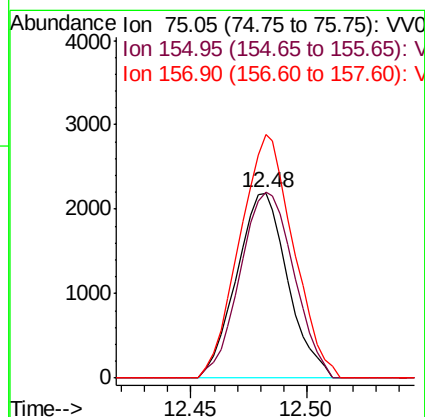
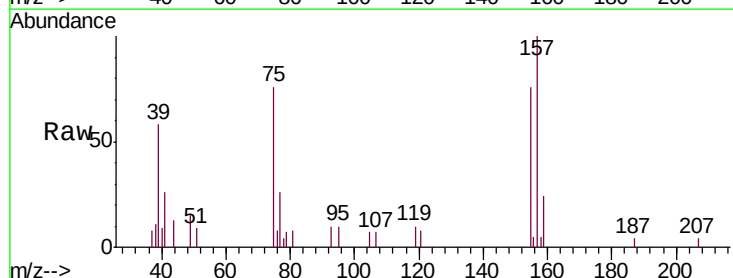
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

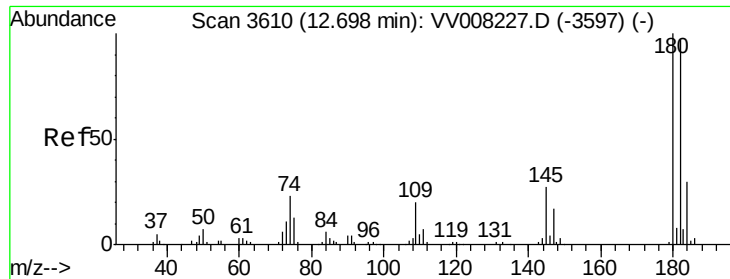
Tgt Ion: 146 Resp: 68150
 Ion Ratio Lower Upper
 146 100
 111 37.6 31.8 47.6
 148 63.8 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.160 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion: 75 Resp: 3361
 Ion Ratio Lower Upper
 75 100
 155 100.3 74.7 112.1
 157 131.6 93.1 139.7

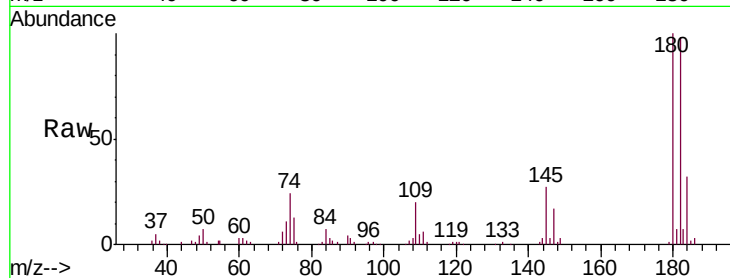




#67
 1,3,5-Trichlorobenzene
 Concen: 4.841 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00565

Tgt Ion:	180	Resp:	53257
Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.0	115.6
184	31.6	24.2	36.2
145	27.3	22.2	33.2



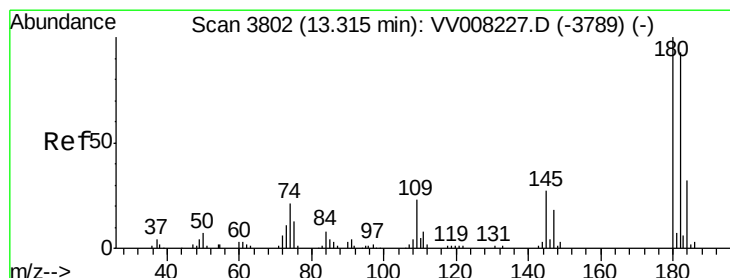
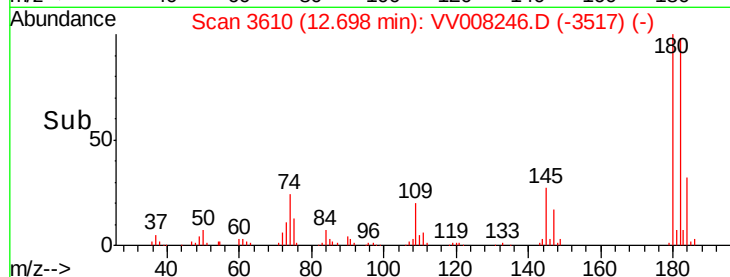
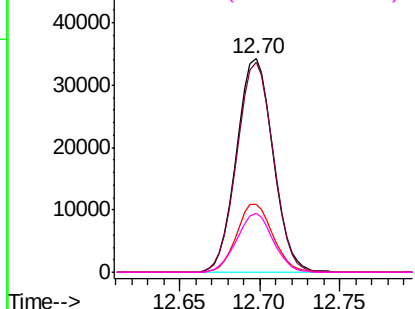
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

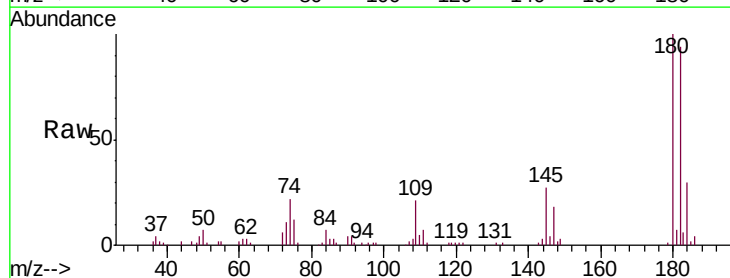
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.950 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV008246.D
 Acq: 10 Oct 2018 21:47

Tgt Ion:	180	Resp:	40624
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.6	114.8
145	26.6	22.1	33.1

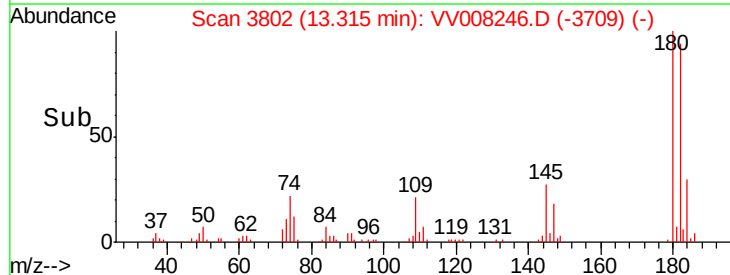
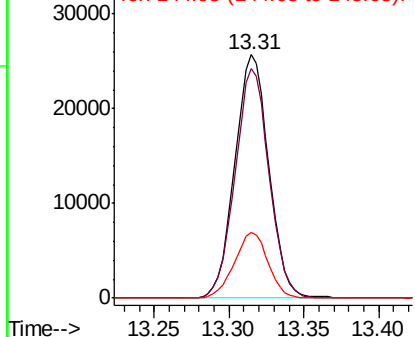


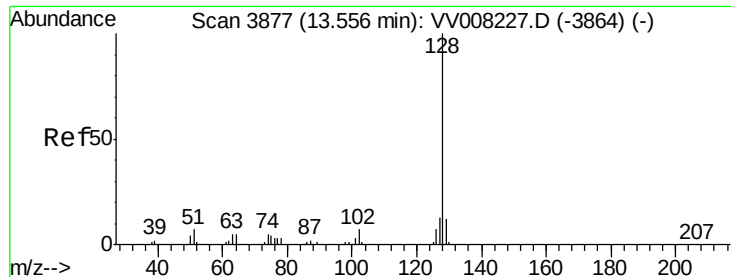
Abundance

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: 5.174 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

Instrument :

MSVOA_V

ClientSampleId :

VSTD00565

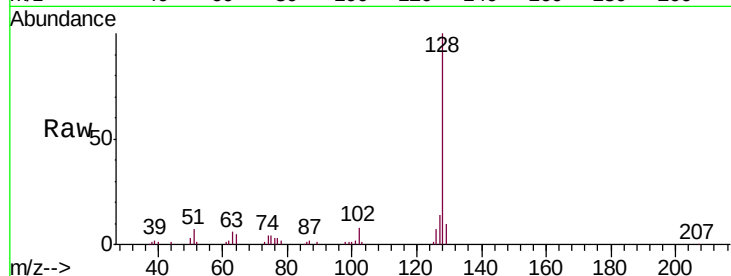
Tgt Ion:128 Resp: 54206

Ion Ratio Lower Upper

128 100

129 10.7 8.5 12.7

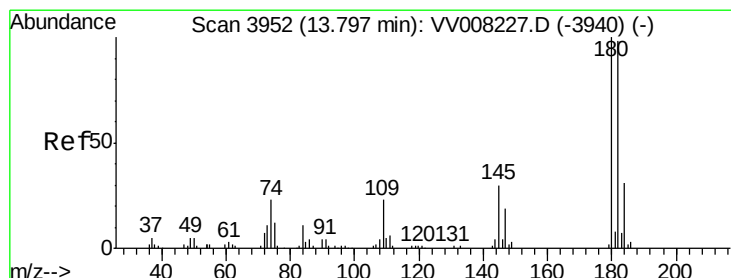
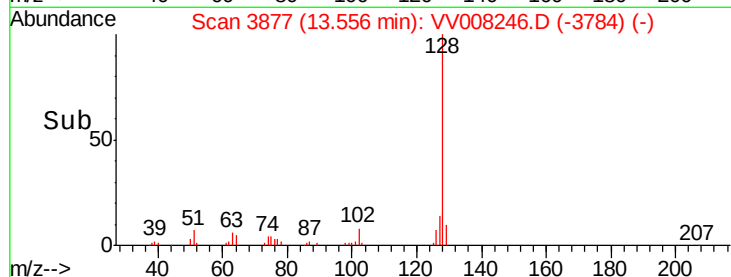
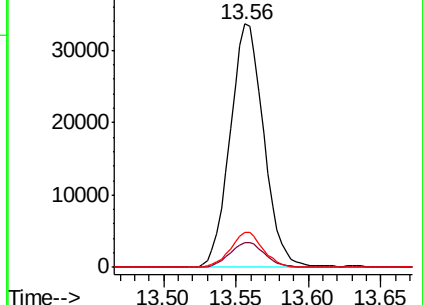
127 13.8 10.2 15.2



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: 5.193 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV008246.D

Acq: 10 Oct 2018 21:47

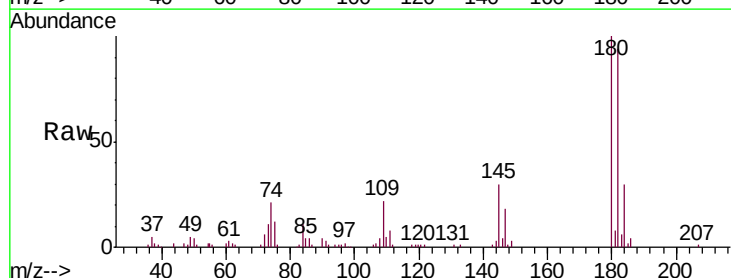
Tgt Ion:180 Resp: 40527

Ion Ratio Lower Upper

180 100

182 96.2 75.1 112.7

145 29.9 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

