

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016958.D
 Acq On : 17 Jun 2020 11:11
 Operator : SY/MD
 Sample : VSTD02032
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Quant Time: Jun 18 00:57:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 00:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	204150	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	192433	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	104343	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	257289	15.40	ug/L	0.00
7) Chloroethane-d5	1.58	69	171978	13.58	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	471559	15.98	ug/L	0.00
20) 2-Butanone-d5	3.92	46	675527	182.91	ug/L	0.00
24) Chloroform-d	4.37	84	542259	18.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	288958	18.98	ug/L	0.00
32) Benzene-d6	5.07	84	1040990	19.48	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	303505	18.43	ug/L	0.00
41) Toluene-d8	7.34	98	974930	19.83	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	134736	22.34	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	570919	208.61	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	209742	18.27	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	378099	19.63	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	319424	19.430 ug/L	99
3) Chloromethane	1.25	50	265546	13.893 ug/L	100
5) Vinyl chloride	1.32	62	264095	15.486 ug/L	99
6) Bromomethane	1.53	94	151145	15.655 ug/L	99
8) Chloroethane	1.60	64	129895	12.859 ug/L	96
9) Trichlorofluoromethane	1.76	101	424260	17.780 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	213798	16.319 ug/L	99
12) 1,1-Dichloroethene	2.13	96	194569	15.672 ug/L	95
13) Acetone	2.19	43	320633	131.138 ug/L	96
14) Carbon disulfide	2.31	76	583054	15.561 ug/L	99
15) Methyl Acetate	2.45	43	73594	12.138 ug/L	98
16) Methylene chloride	2.52	84	189811	14.366 ug/L	97
17) Methyl tert-butyl Ether	2.79	73	479493	16.359 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	203007	15.488 ug/L	98
19) 1,1-Dichloroethane	3.21	63	455116	17.239 ug/L	99
21) 2-Butanone	4.00	43	630428	173.949 ug/L	100
22) cis-1,2-Dichloroethene	3.93	96	277621	18.424 ug/L	# 99
23) Bromochloromethane	4.27	128	119055	19.961 ug/L	96
25) Chloroform	4.40	83	508514	18.864 ug/L	99
27) 1,2-Dichloroethane	5.15	62	313499	17.951 ug/L	99
29) 1,1,1-Trichloroethane	4.63	97	471730	20.924 ug/L	98
30) Cyclohexane	4.70	56	439650	18.627 ug/L	98
31) Carbon tetrachloride	4.85	117	423763	21.749 ug/L	99
33) Benzene	5.12	78	1022995	18.474 ug/L	100
34) Trichloroethene	5.94	95	286087	19.396 ug/L	98
35) Methylcyclohexane	6.15	83	469439	19.820 ug/L	97
37) 1,2-Dichloropropane	6.20	63	249627	18.066 ug/L	97
38) Bromodichloromethane	6.53	83	346934	20.344 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	404604	21.475 ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	1501172	180.177 ug/L	99

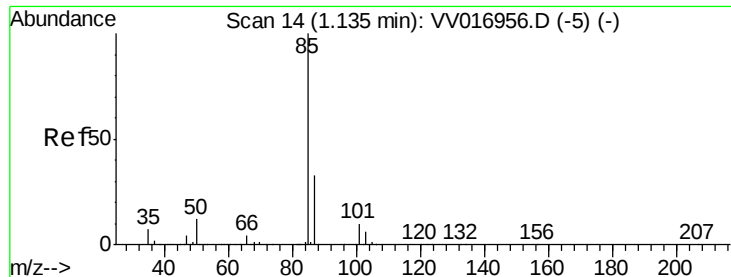
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016958.D
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 QLast Update : Thu Jun 18 00:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1133365	19.182	ug/L	99
43) 1,3,5-Trimethylbenzene	10.56	105	1134003	21.487	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	1155806	21.388	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	343118	22.032	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	171593	18.907	ug/L	98
49) Tetrachloroethene	7.99	164	237182	21.346	ug/L	100
50) 2-Hexanone	8.16	43	1065456	183.153	ug/L	98
51) Dibromochloromethane	8.27	129	225989	22.948	ug/L	99
52) 1,2-Dibromoethane	8.37	107	167261	19.548	ug/L	96
53) Chlorobenzene	8.90	112	725593	19.354	ug/L	99
54) Ethylbenzene	9.03	91	1295295	19.788	ug/L	98
55) m,p-xylene	9.16	106	490641	19.944	ug/L	100
56) o-xylene	9.56	106	467929	20.229	ug/L	100
57) Styrene	9.58	104	806218	20.530	ug/L	98
58) Isopropylbenzene	9.95	105	1309973	20.639	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	188669	16.954	ug/L	94
62) Bromoform	9.75	173	121295	26.304	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	619427	19.552	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	619184	18.890	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	560049	18.930	ug/L	99
67) 1,2-Dibromo-3-chloropropan	12.45	75	35784	19.290	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	506063	21.642	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	426900	21.359	ug/L	100
70) Naphthalene	13.52	128	645673	14.149	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	351291	20.073	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 19.430 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

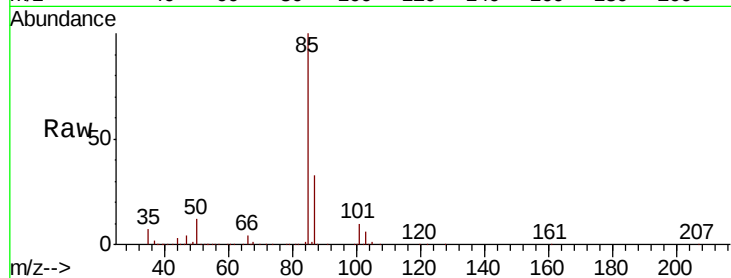
VSTD02032

Tot Ion: 85 Resp: 319424

Ion Ratio Lower Upper

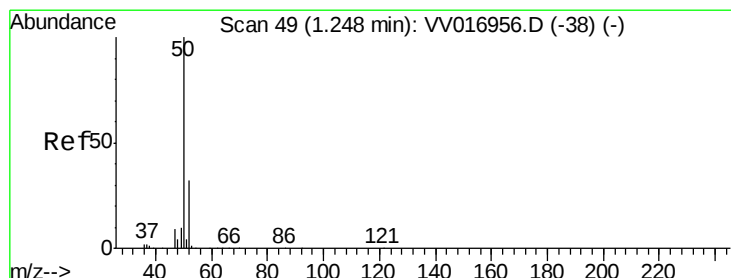
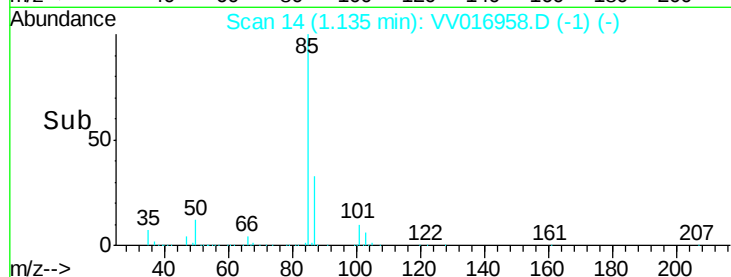
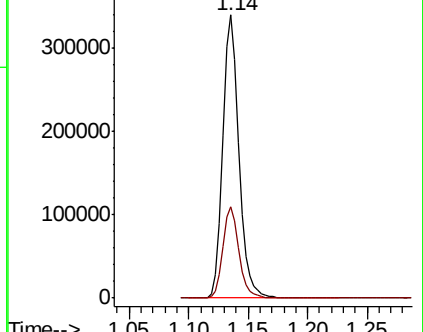
85 100

87 32.1 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV016958.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016958.D (-1) (-)



#3

Chloromethane

Concen: 13.893 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016958.D

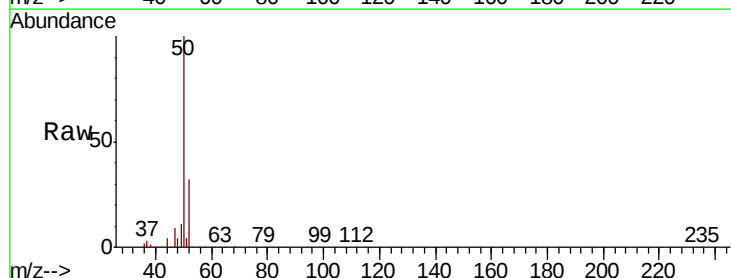
Acq: 17 Jun 2020 11:11

Tgt Ion: 50 Resp: 265546

Ion Ratio Lower Upper

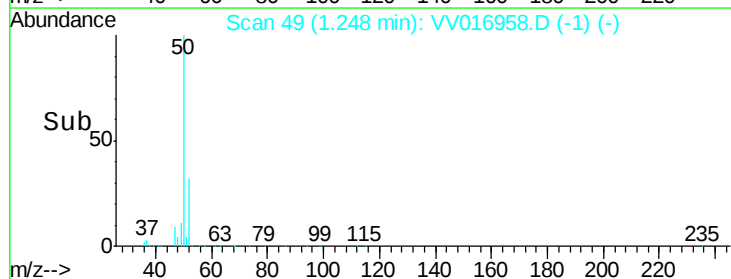
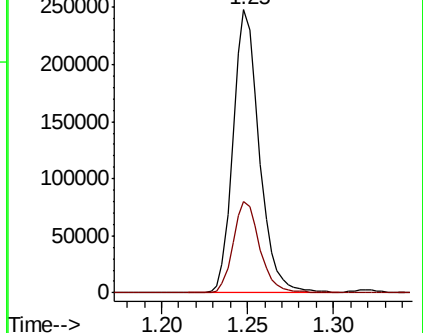
50 100

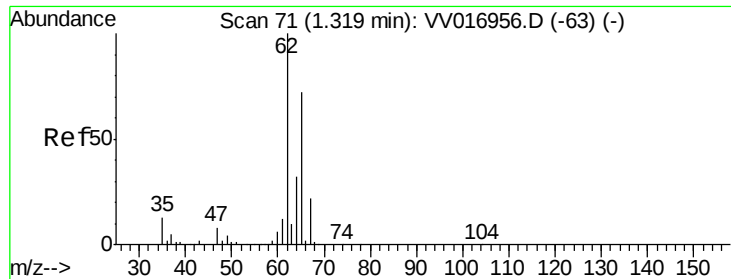
52 32.4 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV016958.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV016958.D (-1) (-)





#5

Vinyl chloride

Concen: 15.486 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

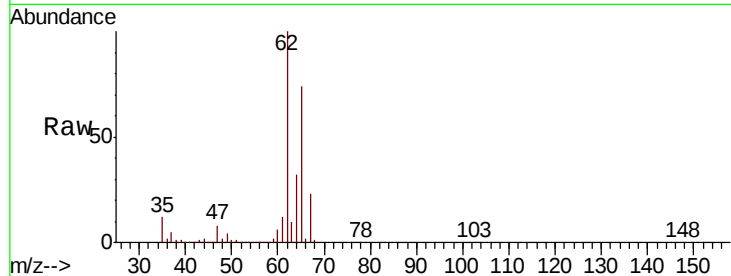
VSTD02032

Tot Ion: 62 Resp: 264095

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

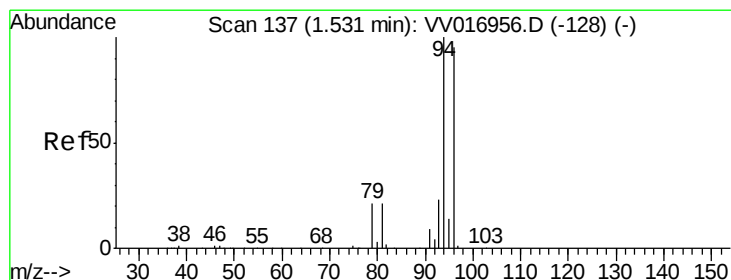
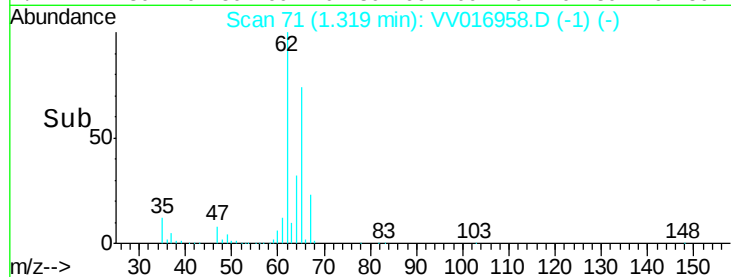
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 15.655 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016958.D

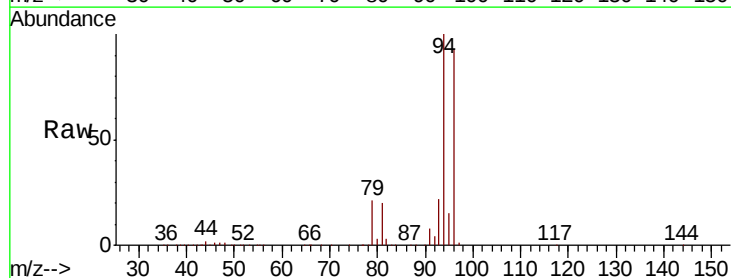
Acq: 17 Jun 2020 11:11

Tgt Ion: 94 Resp: 151145

Ion Ratio Lower Upper

94 100

96 93.3 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

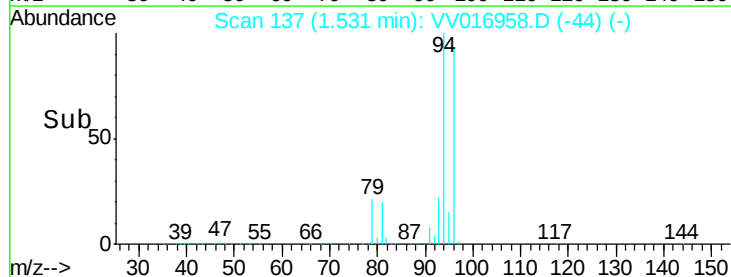
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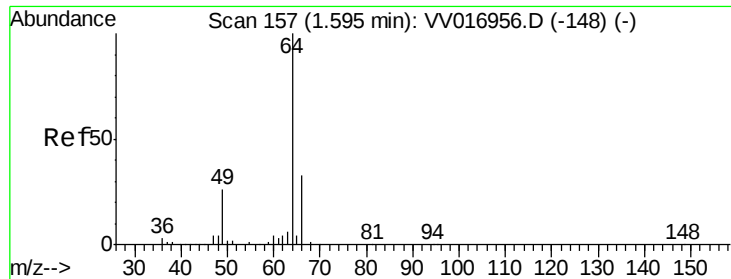
100000

50000

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Time-->

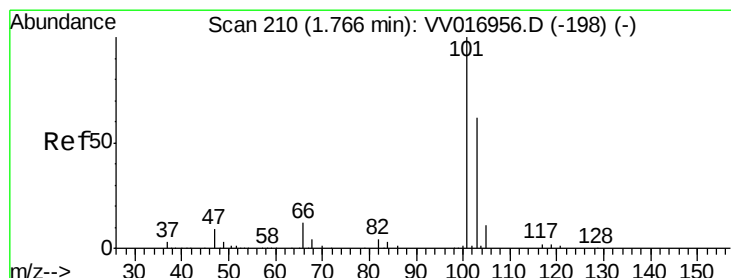
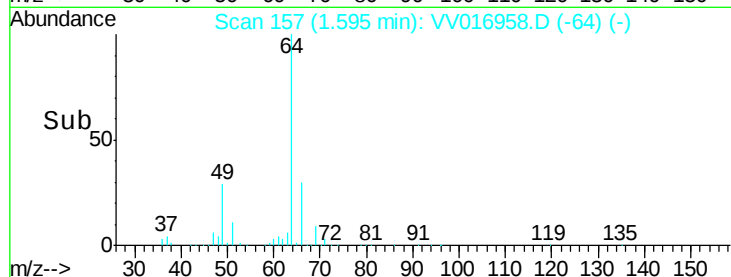
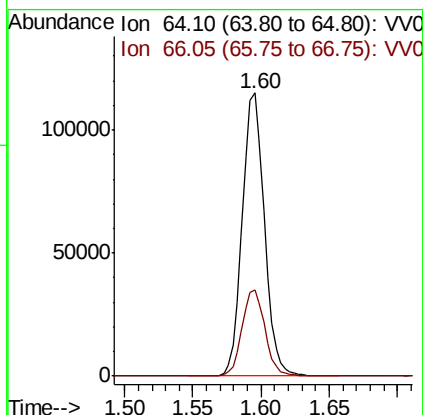
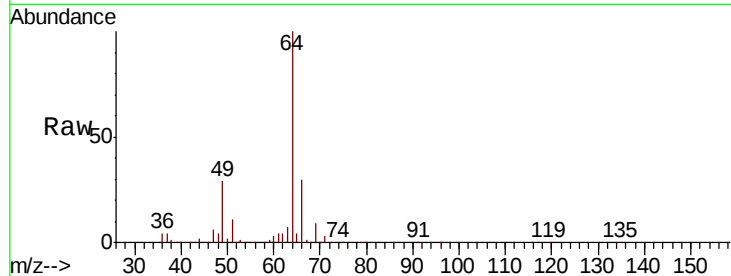




#8
Chloroethane
Concen: 12.859 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

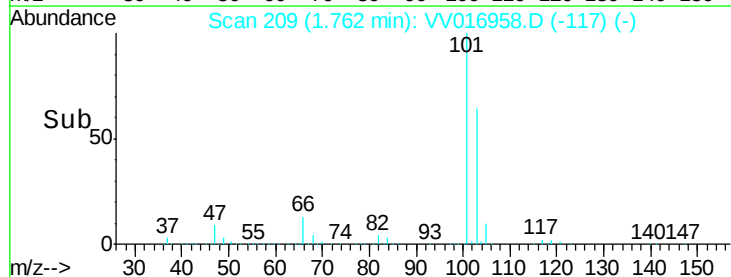
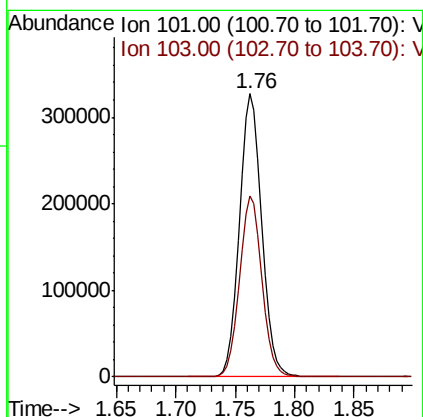
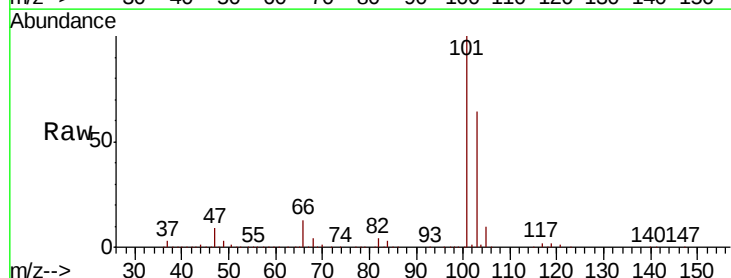
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

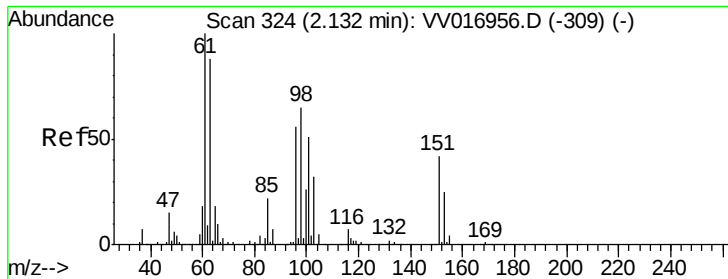
Tot Ion: 64 Resp: 129895
Ion Ratio Lower Upper
64 100
66 30.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 17.780 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 101 Resp: 424260
Ion Ratio Lower Upper
101 100
103 64.0 50.9 76.3





#10

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

Concen: 16.319 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

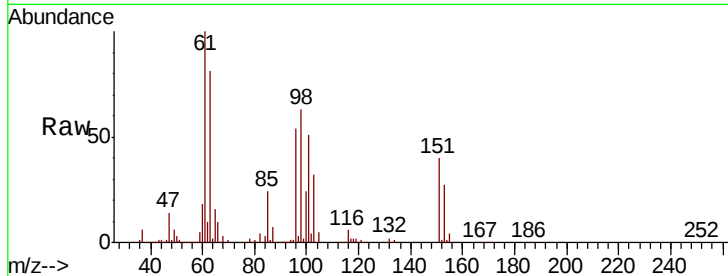
Tot Ion:101 Resp: 213798

Ion Ratio Lower Upper

101 100

85 45.8 35.4 53.2

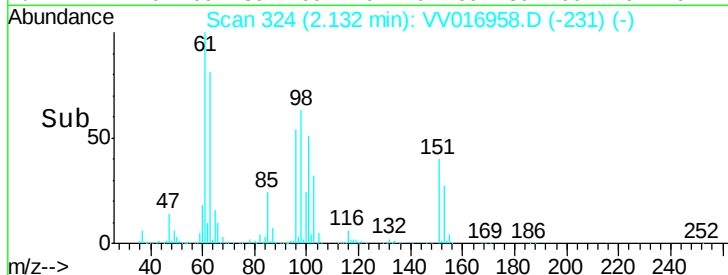
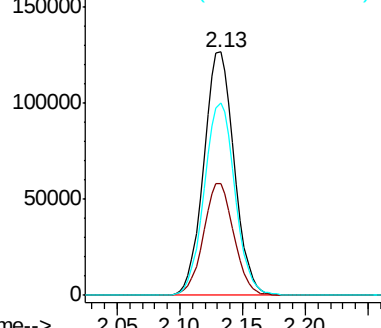
151 80.2 63.9 95.9



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: 15.672 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

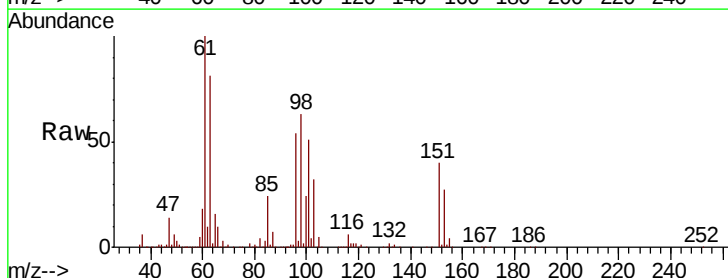
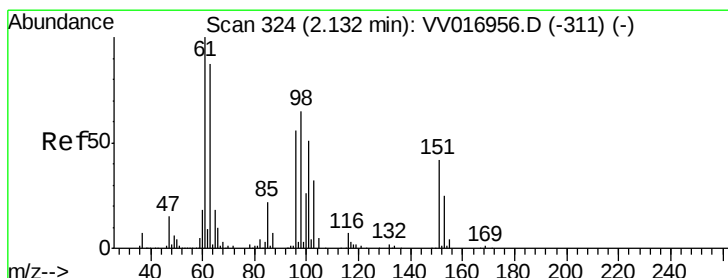
Tgt Ion: 96 Resp: 194569

Ion Ratio Lower Upper

96 100

61 184.6 125.0 232.2

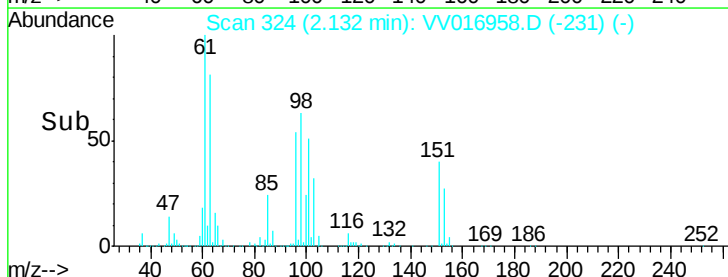
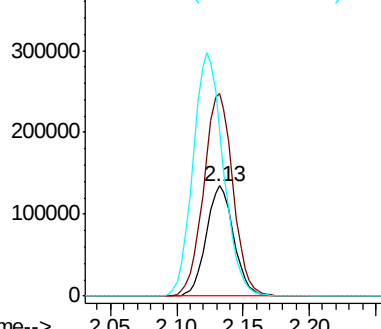
63 150.4 109.8 203.8

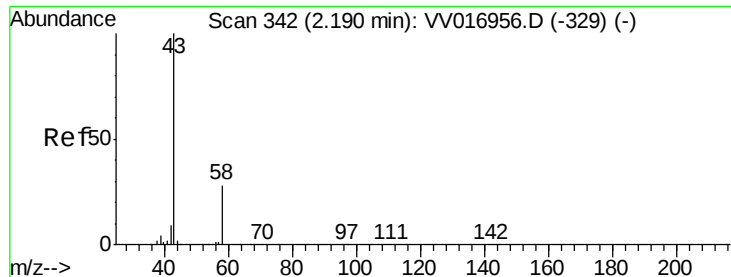


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 131.138 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

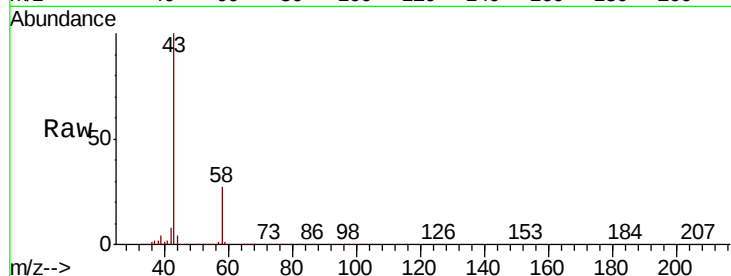
VSTD02032

Tot Ion: 43 Resp: 320633

Ion Ratio Lower Upper

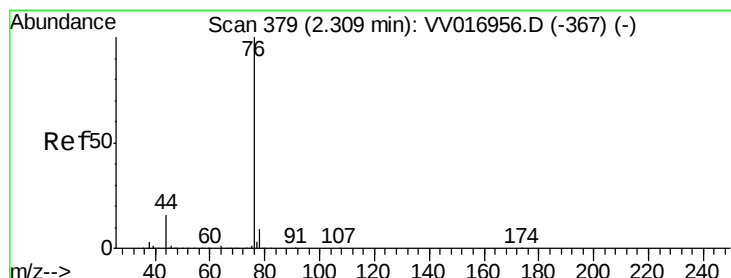
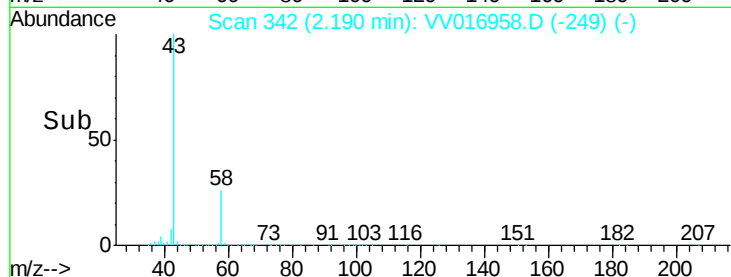
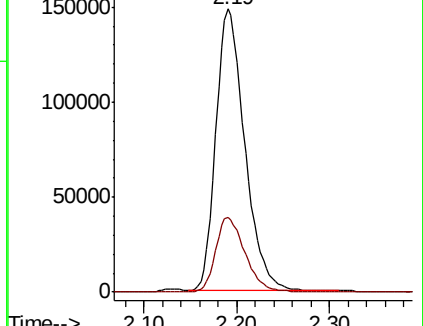
43 100

58 27.0 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV016956.D (-329) (-)

Ion 58.05 (57.75 to 58.75): VV016956.D (-329) (-)



#14

Carbon disulfide

Concen: 15.561 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016958.D

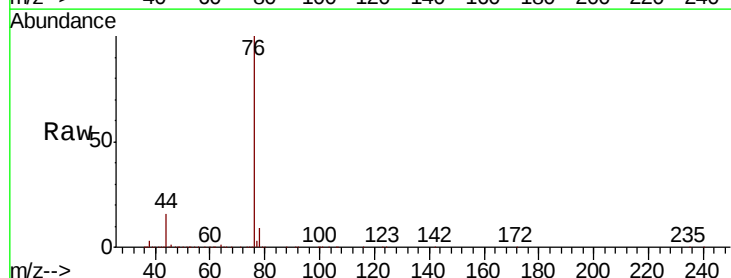
Acq: 17 Jun 2020 11:11

Tgt Ion: 76 Resp: 583054

Ion Ratio Lower Upper

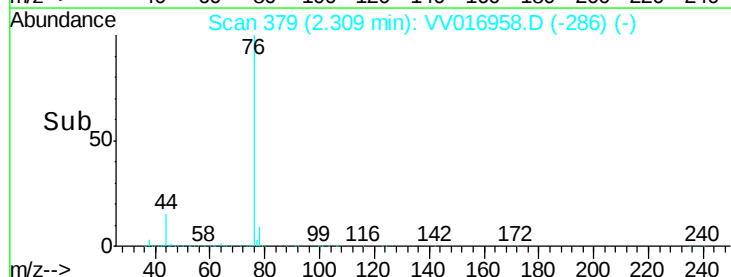
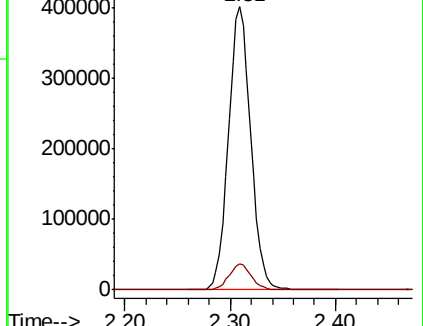
76 100

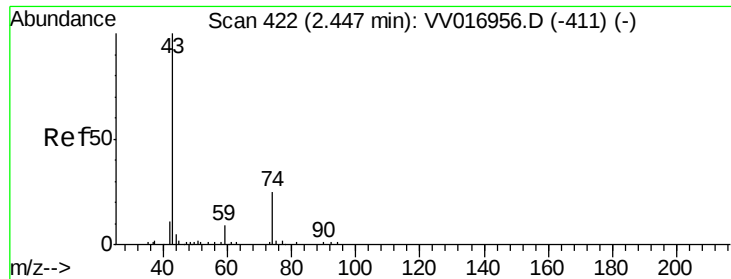
78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV016956.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV016956.D (-367) (-)

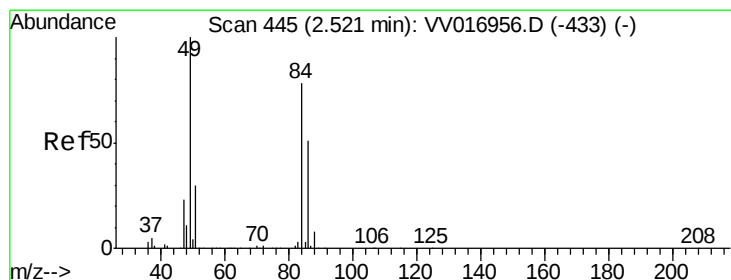
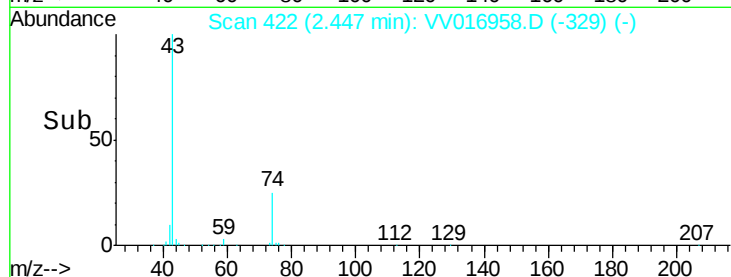
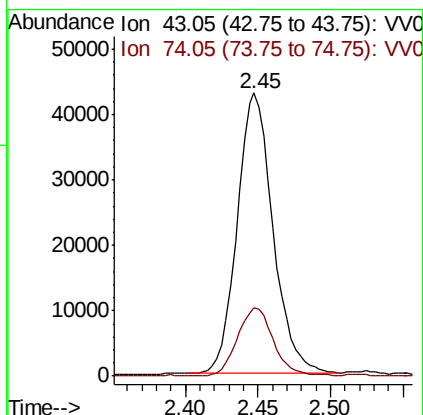
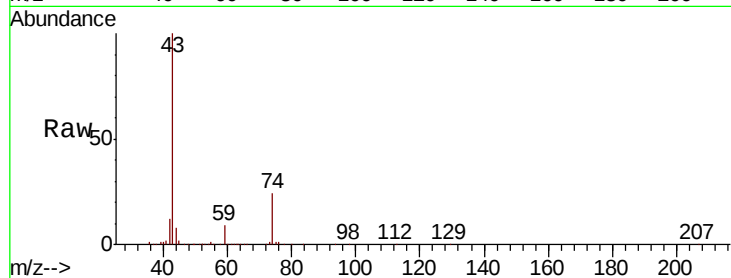




#15
Methvl Acetate
Concen: 12.138 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

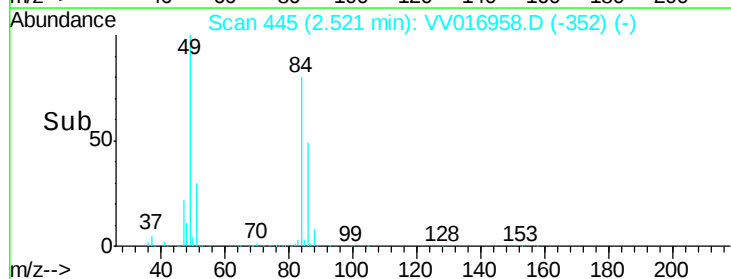
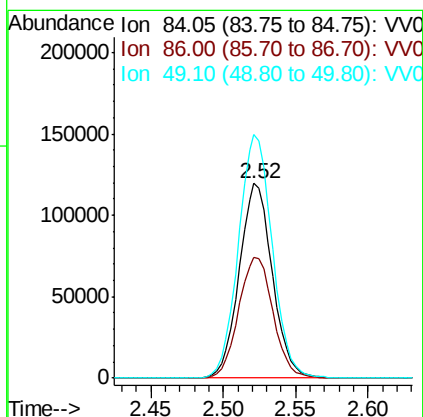
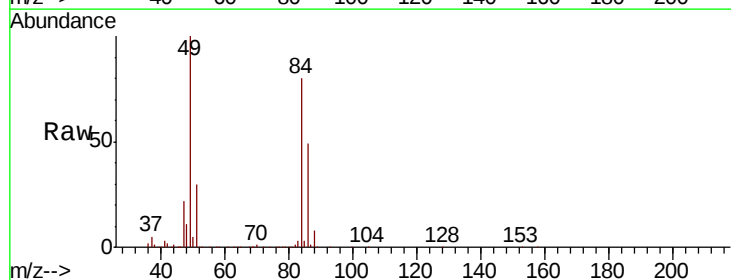
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

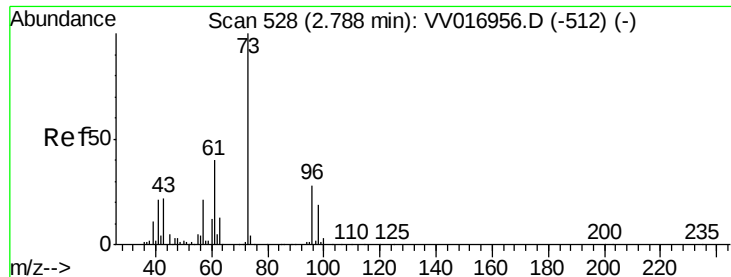
Tot Ion: 43 Resp: 73594
Ion Ratio Lower Upper
43 100
74 24.7 19.1 28.7



#16
Methylene chloride
Concen: 14.366 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 84 Resp: 189811
Ion Ratio Lower Upper
84 100
86 61.9 45.8 85.0
49 125.2 89.6 166.4

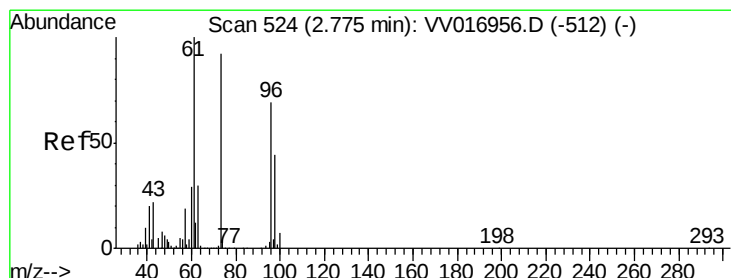
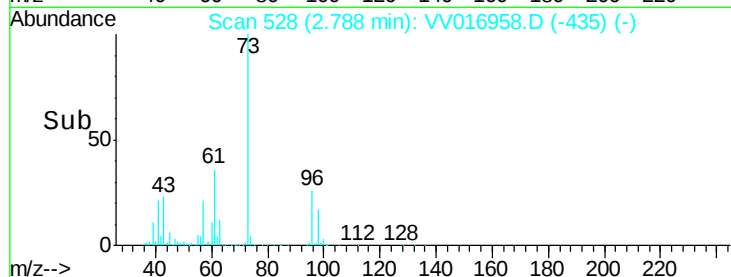
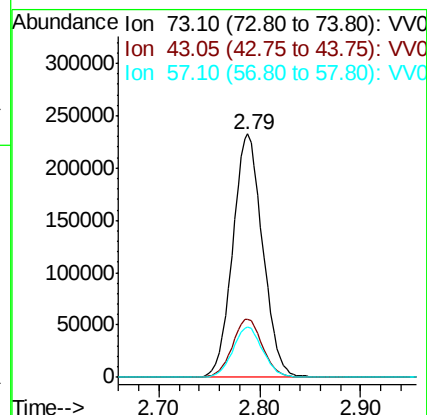
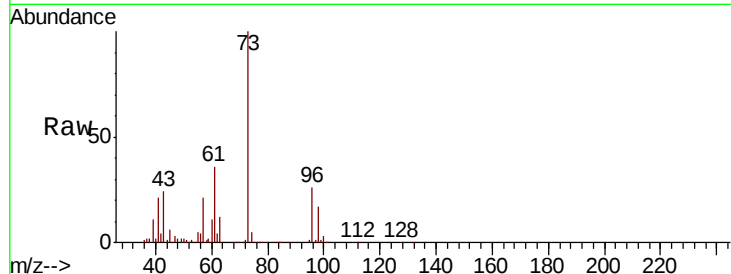




#17
Methvl tert-butvl Ether
Concen: 16.359 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

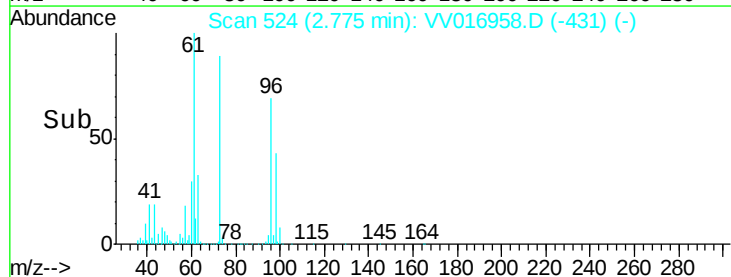
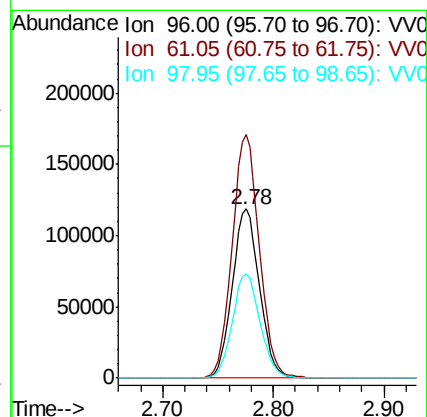
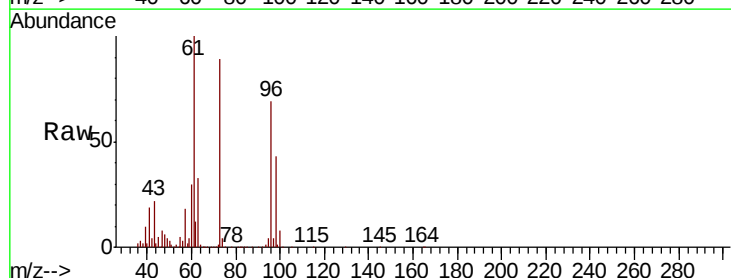
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

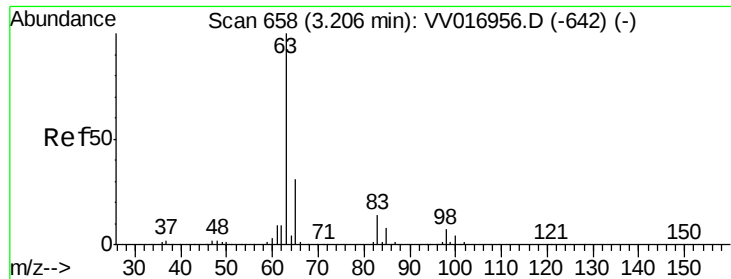
Tot Ion: 73 Resp: 479493
Ion Ratio Lower Upper
73 100
43 23.8 18.6 28.0
57 20.8 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 15.488 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 96 Resp: 203007
Ion Ratio Lower Upper
96 100
61 144.2 102.3 189.9
98 61.8 44.7 82.9

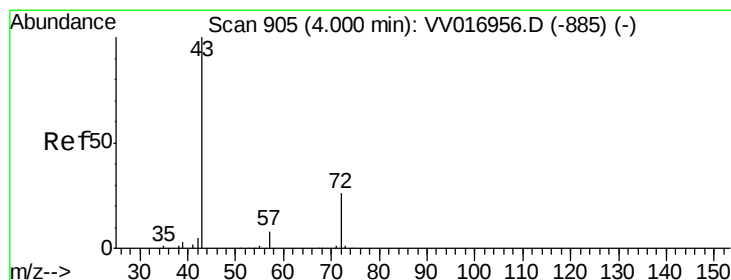
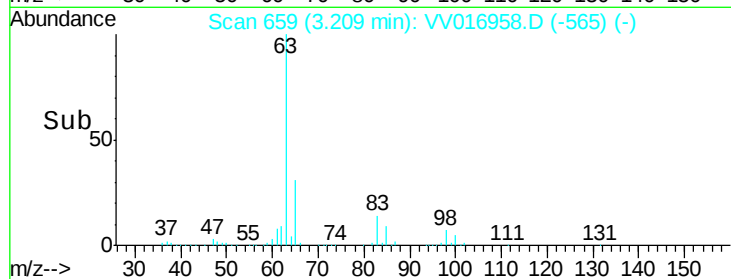
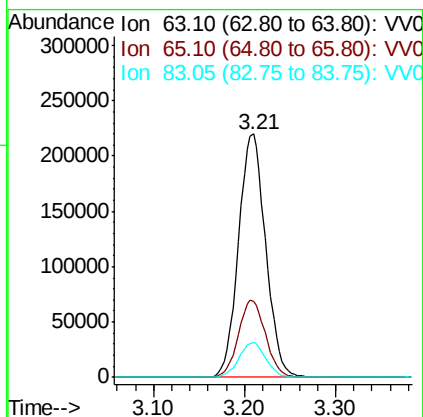
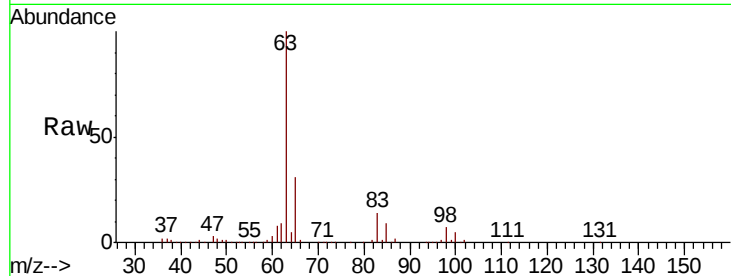




#19
 1,1-Dichloroethane
 Concen: 17.239 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

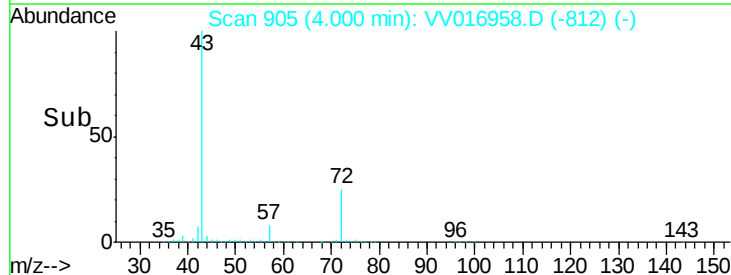
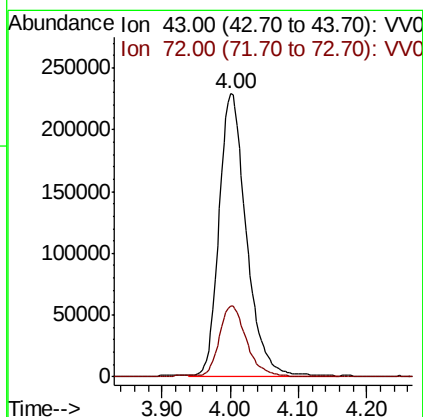
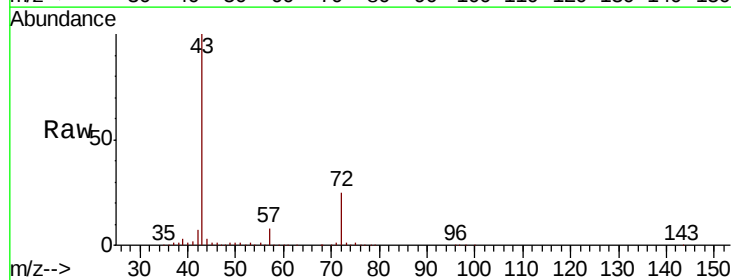
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

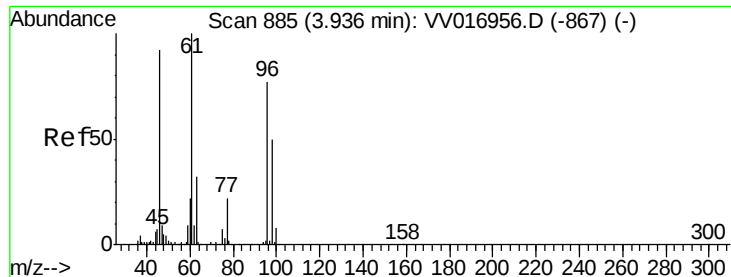
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	21.8	40.4
83	14.2	9.7	17.9



#21
 2-Butanone
 Concen: 173.949 ug/L
 RT: 4.00 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.1	12.4	37.4



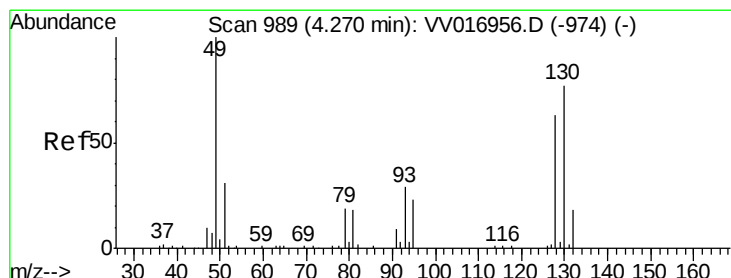
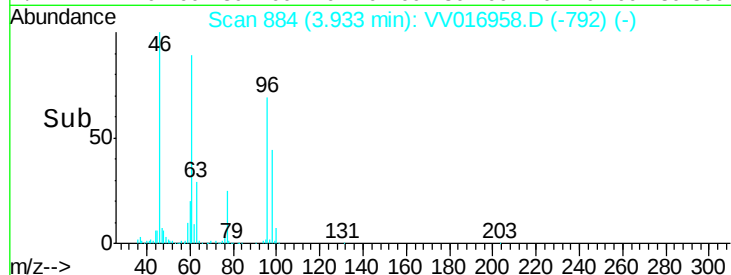
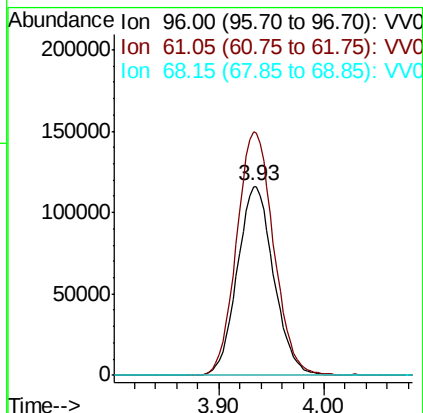
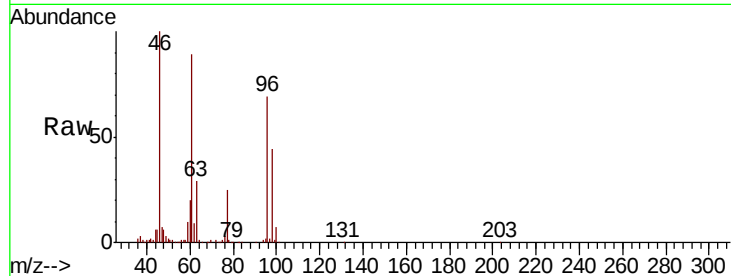


#22

cis-1,2-Dichloroethene
Concen: 18.424 ug/L
RT: 3.93 min Scan# 884
Delta R.T. -0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

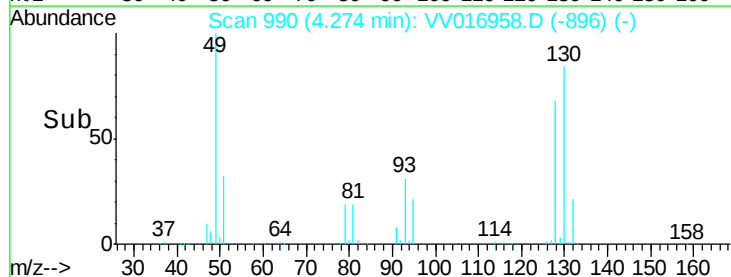
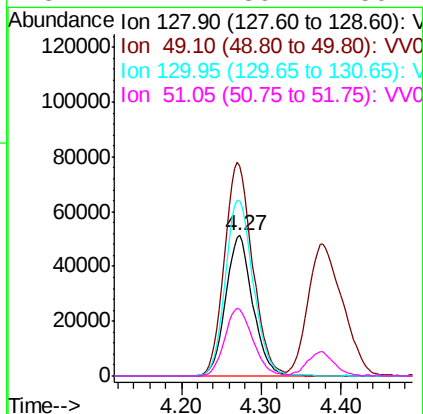
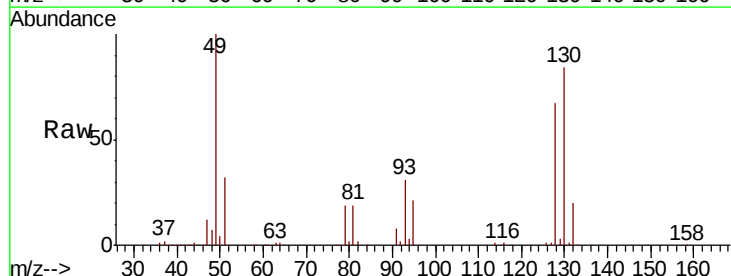
Tot Ion: 96 Resp: 277621
Ion Ratio Lower Upper
96 100
61 129.1 91.0 169.0
68 0.2 0.0 0.0#

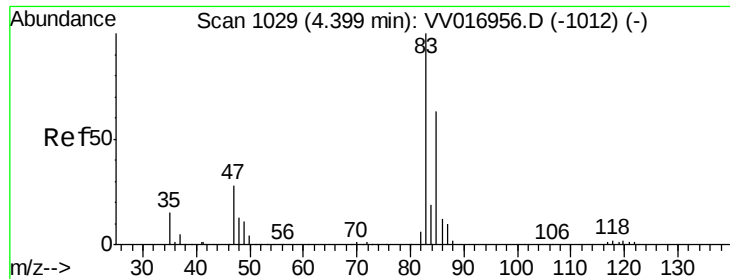


#23

Bromochloromethane
Concen: 19.961 ug/L
RT: 4.27 min Scan# 990
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion:128 Resp: 119055
Ion Ratio Lower Upper
128 100
49 149.1 110.8 205.8
130 124.6 86.0 159.8
51 47.7 39.4 59.2

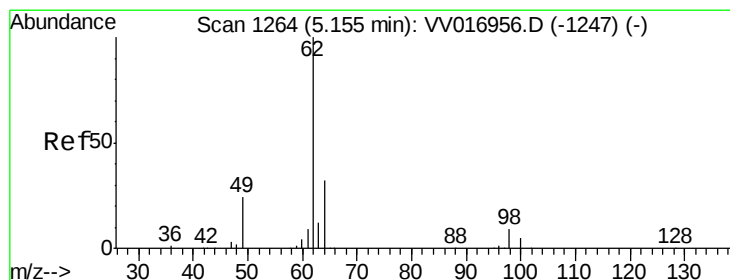
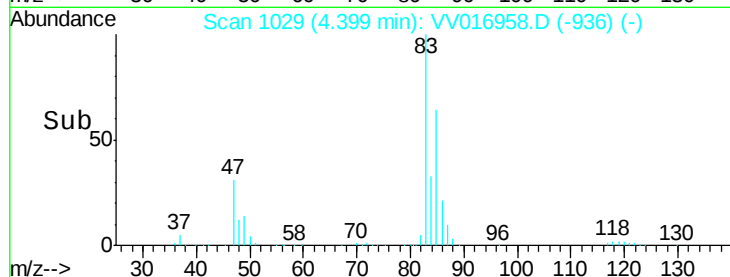
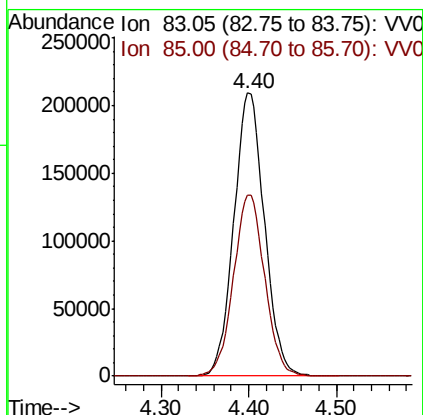
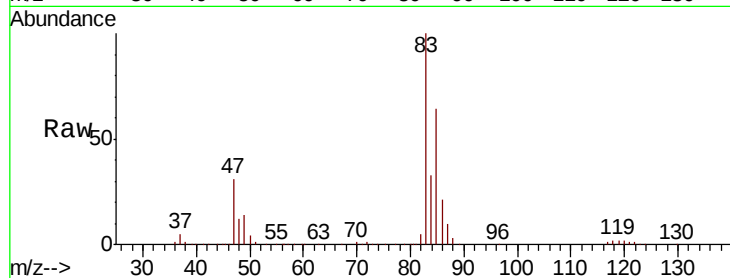




#25
Chloroform
Concen: 18.864 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

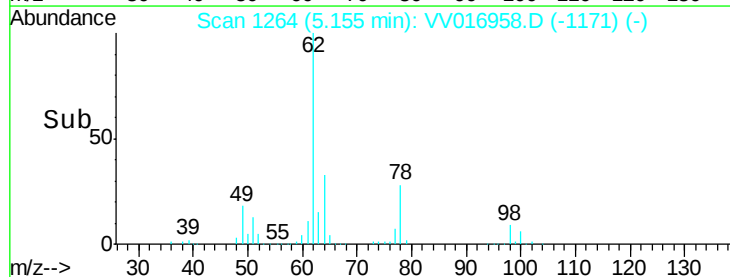
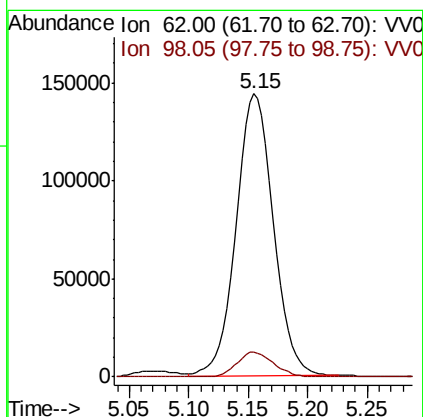
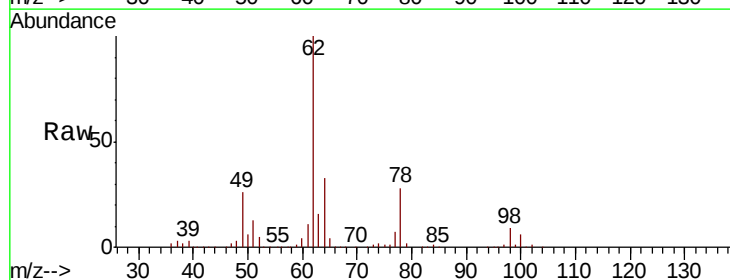
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

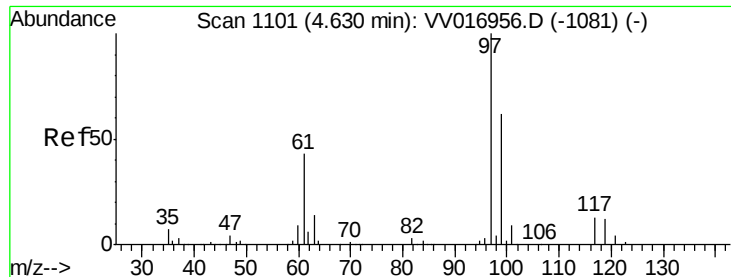
Tot Ion: 83 Resp: 508514
Ion Ratio Lower Upper
83 100
85 64.1 44.2 82.2



#27
1,2-Dichloroethane
Concen: 17.951 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 62 Resp: 313499
Ion Ratio Lower Upper
62 100
98 8.8 6.7 10.1

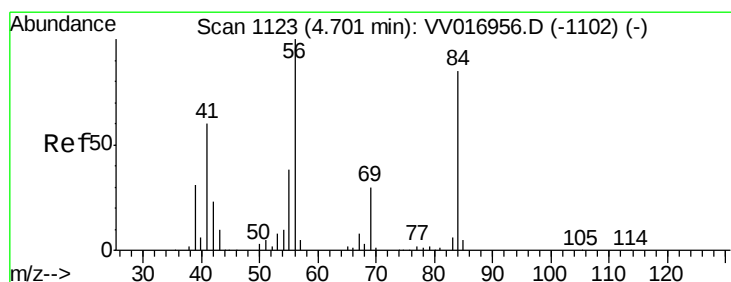
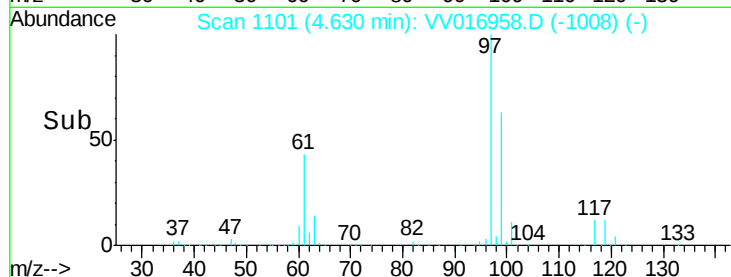
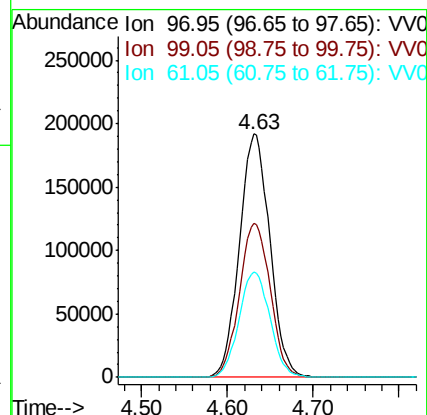
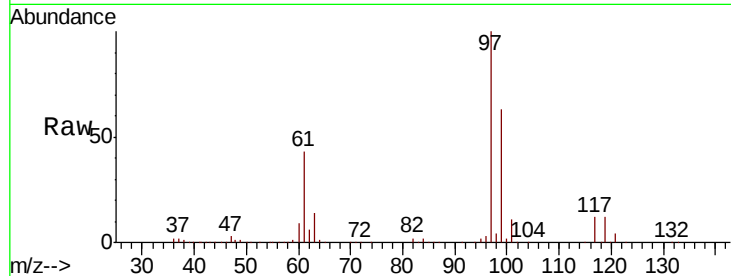




#29
 1,1,1-Trichloroethane
 Concen: 20.924 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

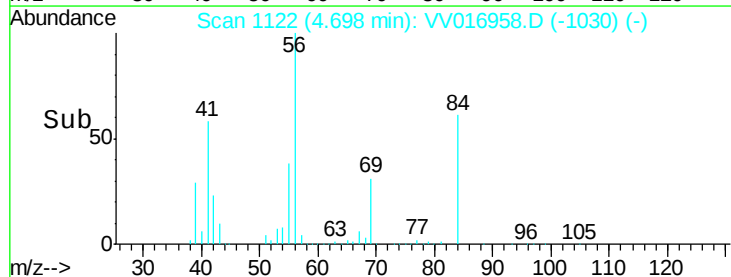
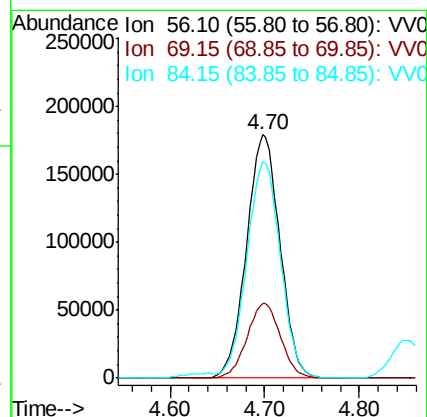
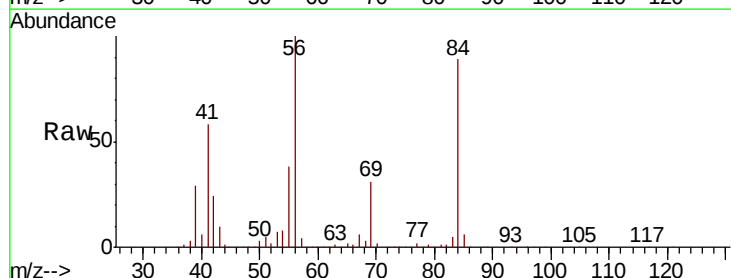
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

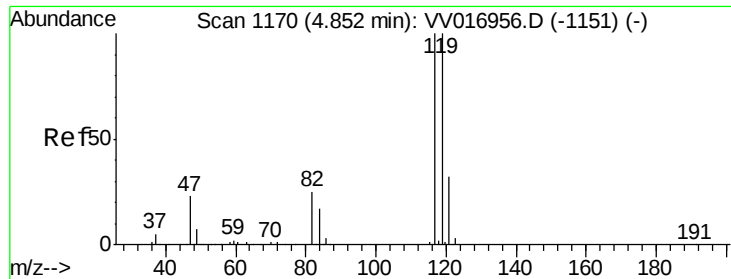
Tot Ion: 97 Resp: 471730
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.3 75.5
 61 44.1 36.0 54.0



#30
 Cyclohexane
 Concen: 18.627 ug/L
 RT: 4.70 min Scan# 1122
 Delta R.T. -0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Tgt Ion: 56 Resp: 439650
 Ion Ratio Lower Upper
 56 100
 69 30.7 24.4 36.6
 84 90.0 69.9 104.9





#31

Carbon tetrachloride

Concen: 21.749 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

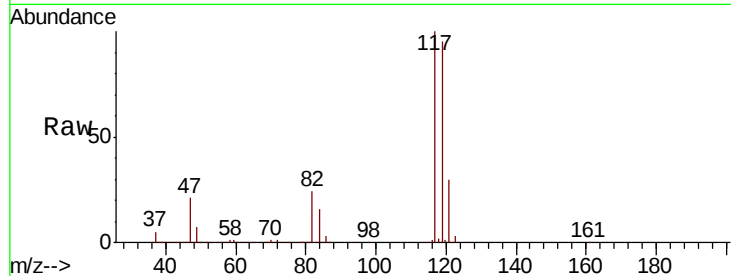
VSTD02032

Tot Ion:117 Resp: 423763

Ion Ratio Lower Upper

117 100

119 96.5 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

200000

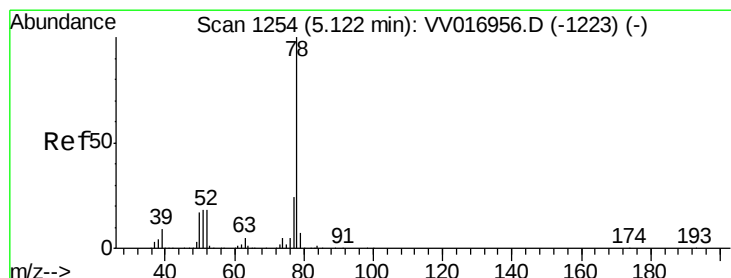
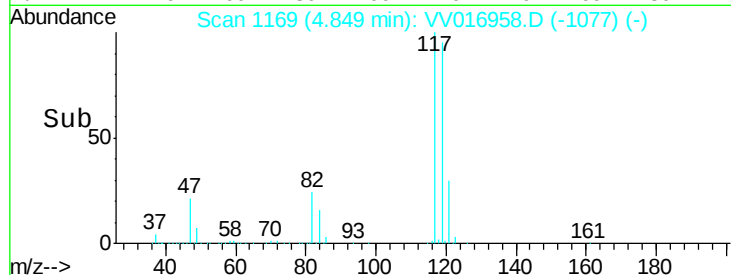
150000

100000

50000

0

Time--> 4.70 4.80 4.90 5.00



#33

Benzene

Concen: 18.474 ug/L

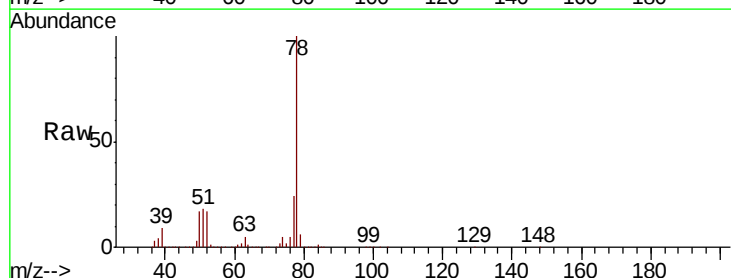
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Tgt Ion: 78 Resp: 1022995



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.12

500000

400000

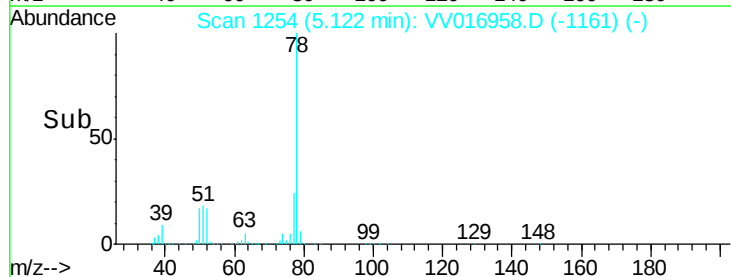
300000

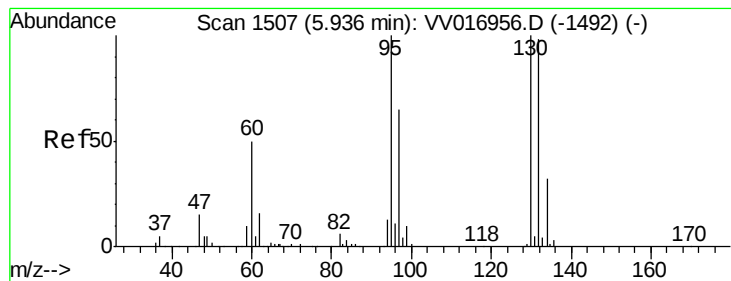
200000

100000

0

Time--> 5.00 5.10 5.20 5.30





#34

Trichloroethene

Concen: 19.396 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

Tot Ion: 95 Resp: 286087

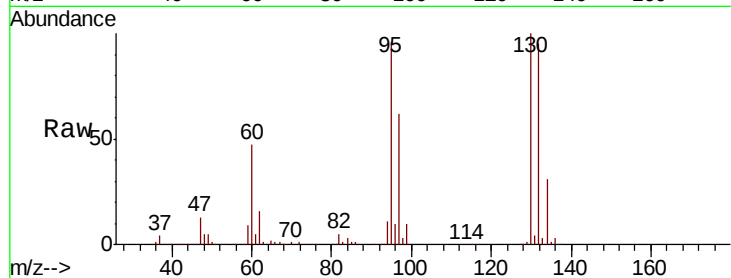
Ion Ratio Lower Upper

95 100

97 64.1 45.3 84.1

132 98.6 68.8 127.8

130 104.2 70.2 130.4

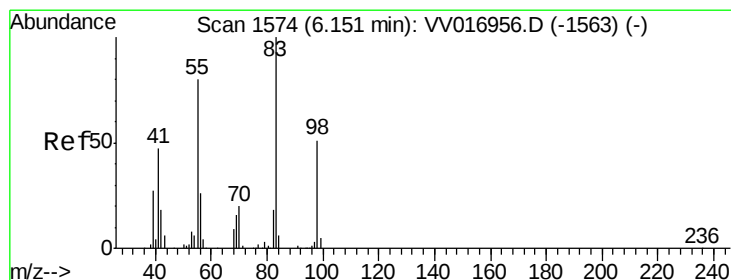
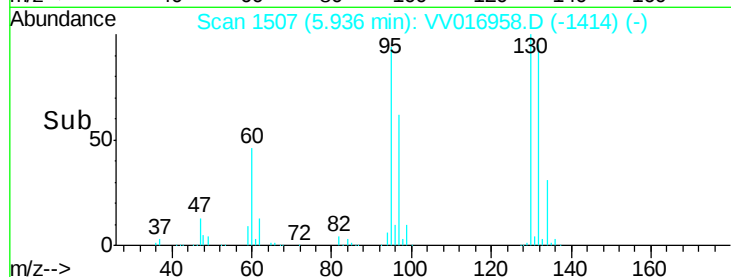
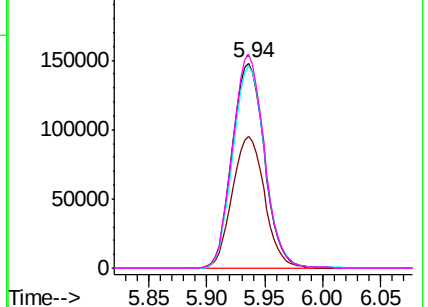


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 19.820 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

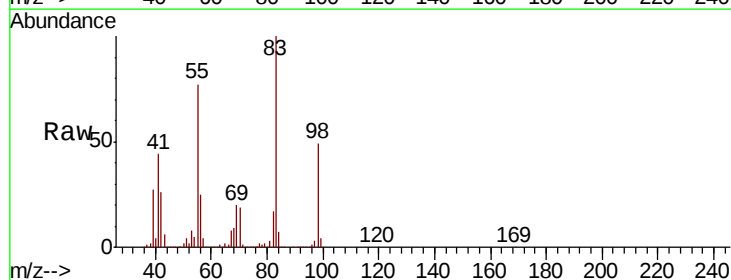
Tgt Ion: 83 Resp: 469439

Ion Ratio Lower Upper

83 100

55 77.1 63.6 95.4

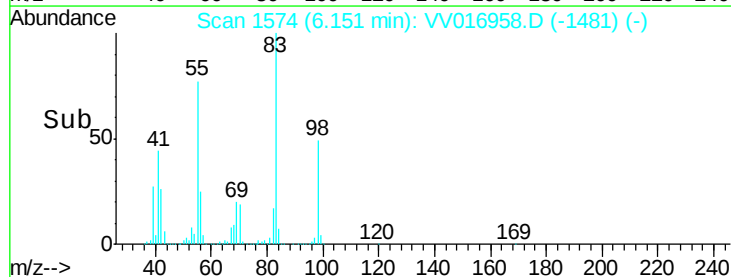
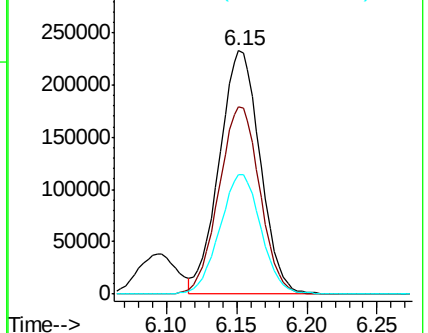
98 50.1 38.8 58.2

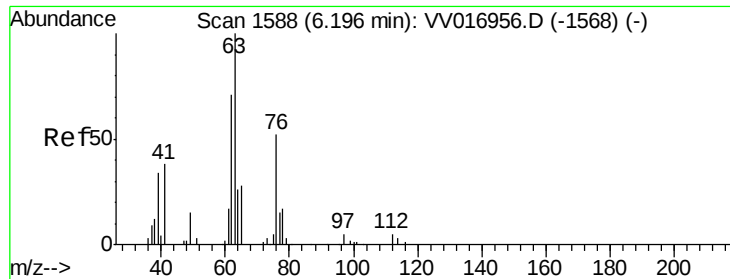


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 18.066 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

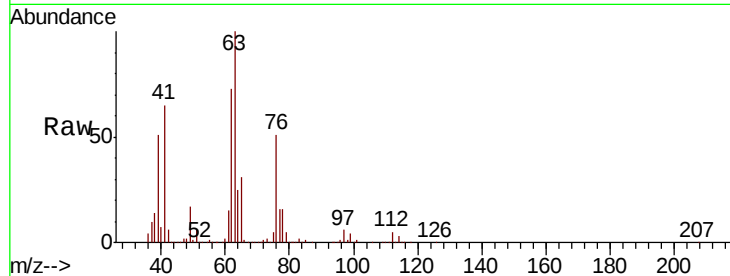
VSTD02032

Tot Ion: 63 Resp: 249627

Ion Ratio Lower Upper

63 100

112 4.6 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV016958.D (-1495) (-)

Ion 112.10 (111.80 to 112.80): VV016958.D (-1495) (-)

6.20

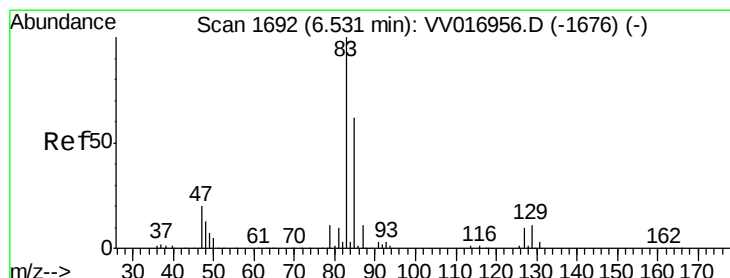
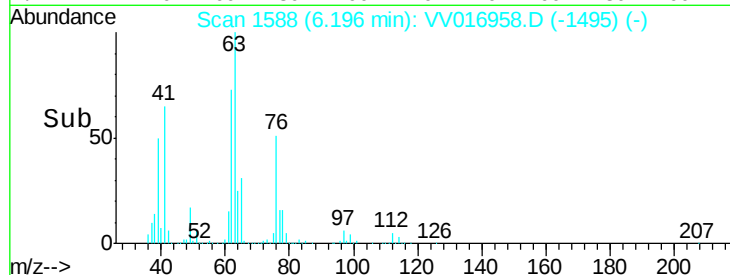
150000

100000

50000

0

Time-->



#38

Bromodichloromethane

Concen: 20.344 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

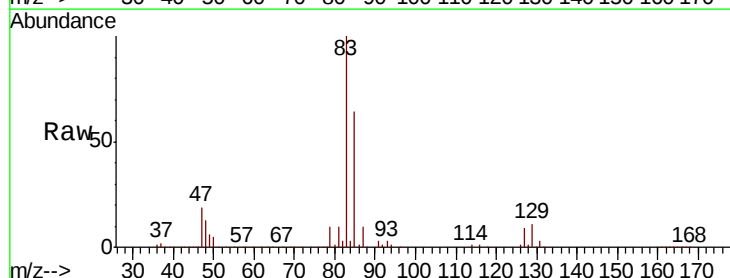
Tgt Ion: 83 Resp: 346934

Ion Ratio Lower Upper

83 100

85 63.6 43.4 80.6

127 8.9 7.9 11.9



Abundance Ion 82.95 (82.65 to 83.65): VV016958.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV016958.D (-1599) (-)

Ion 126.90 (126.60 to 127.60): VV016958.D (-1599) (-)

6.53

250000

200000

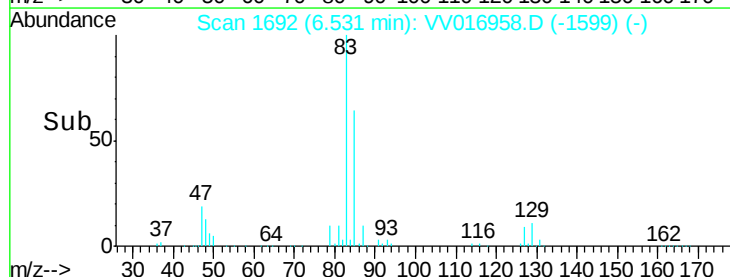
150000

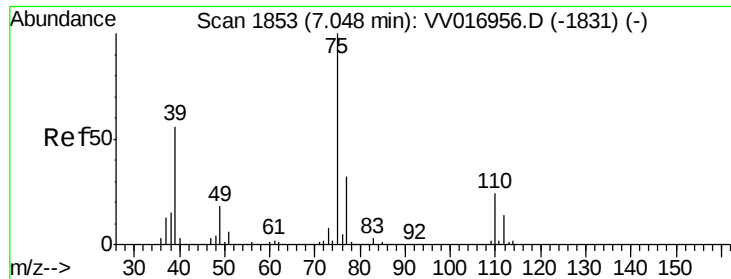
100000

50000

0

Time-->

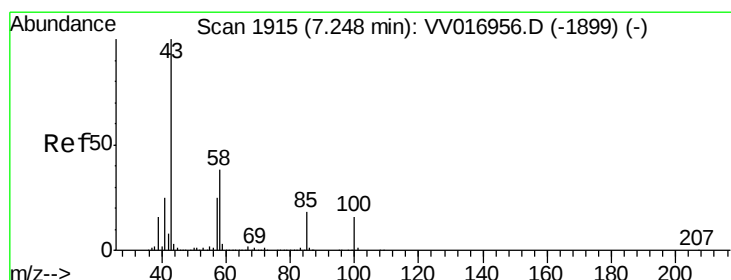
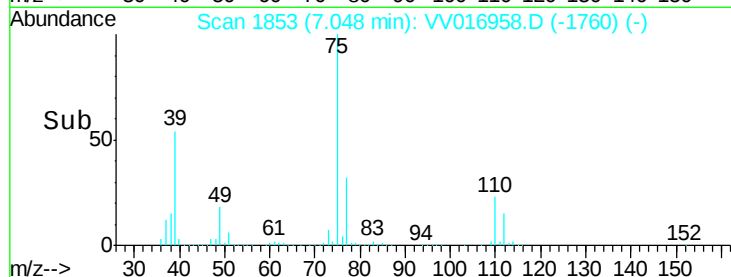
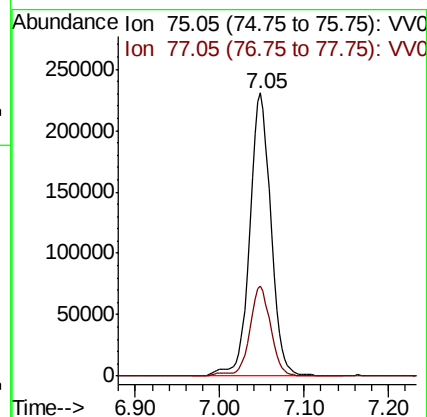
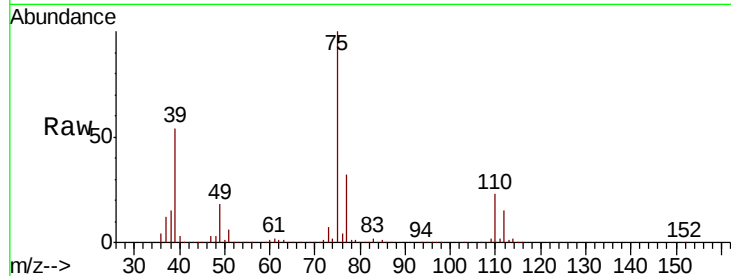




#39
 cis-1,3-Dichloropropene
 Concen: 21.475 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

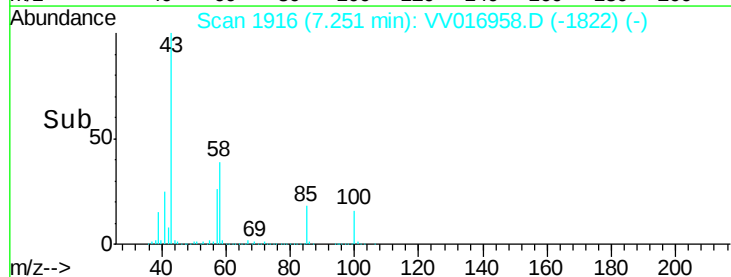
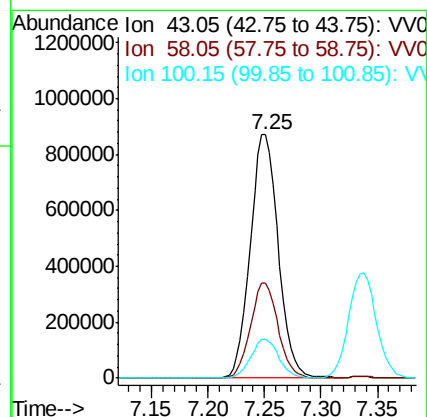
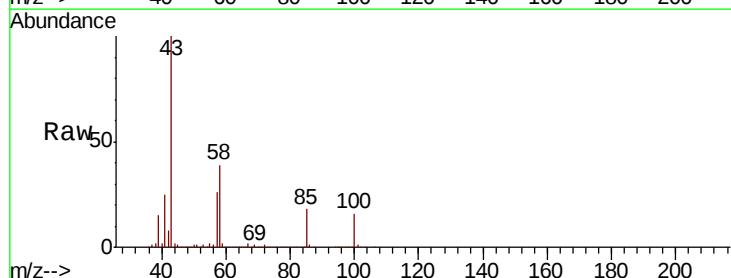
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

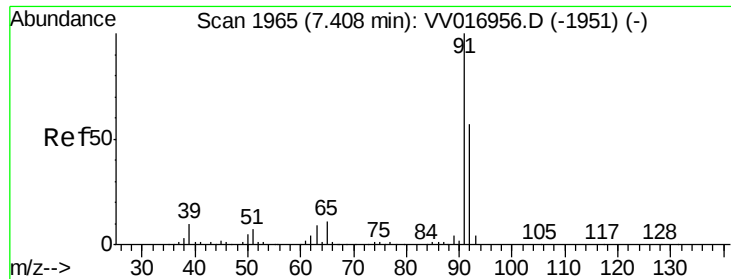
Tot Ion: 75 Resp: 404604
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 180.177 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Tgt Ion: 43 Resp: 1501172
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.4 45.6
 100 15.9 12.7 19.1





#42

Toluene

Concen: 19.182 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

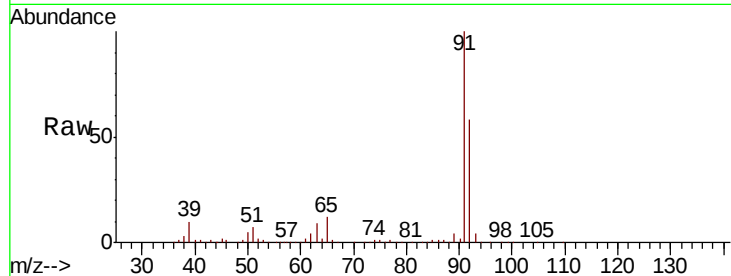
VSTD02032

Tot Ion: 91 Resp: 1133365

Ion Ratio Lower Upper

91 100

92 58.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV016956.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016958.D (-1872) (-)

7.41

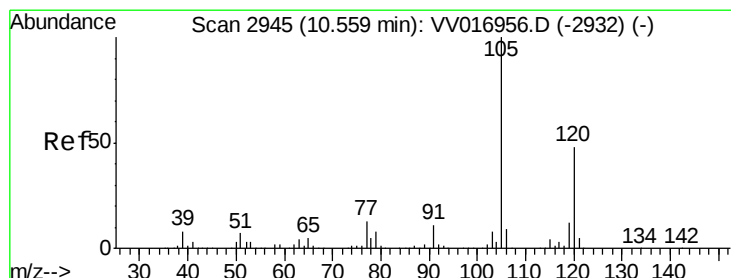
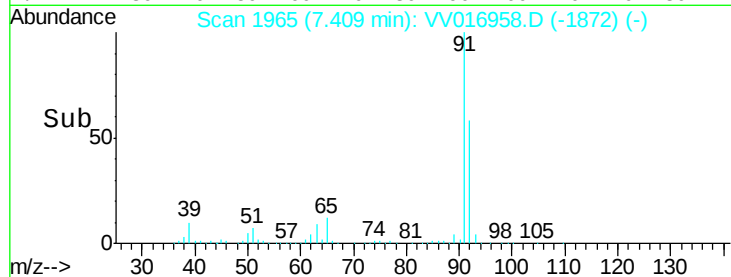
600000

400000

200000

0

Time--> 7.30 7.40 7.50 7.60



#43

1,3,5-Trimethylbenzene

Concen: 21.487 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016958.D

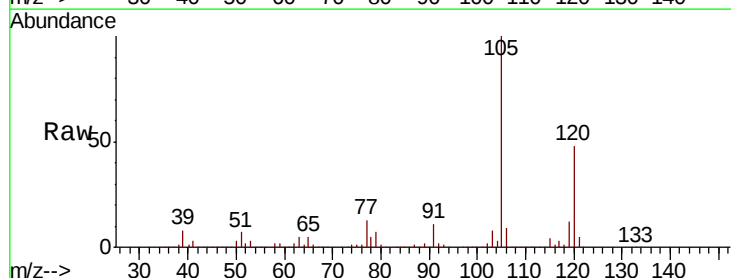
Acq: 17 Jun 2020 11:11

Tgt Ion:105 Resp: 1134003

Ion Ratio Lower Upper

105 100

120 48.5 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV016956.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016958.D (-2323) (-)

10.56

800000

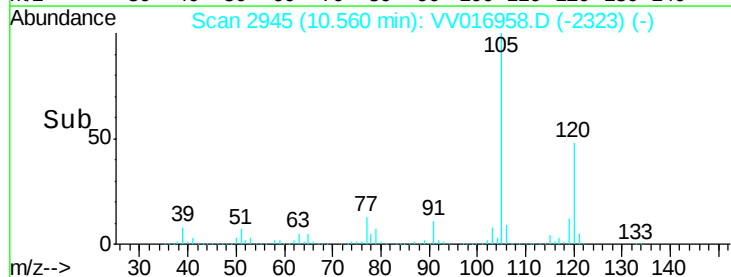
600000

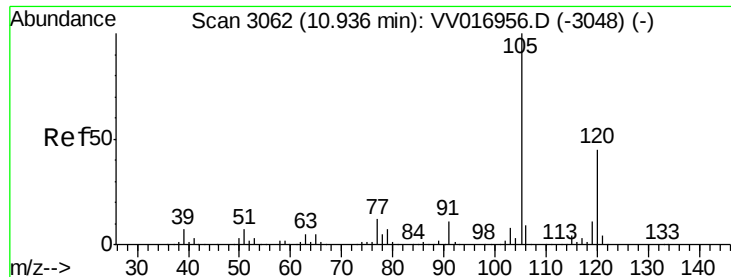
400000

200000

0

Time--> 10.50 10.60

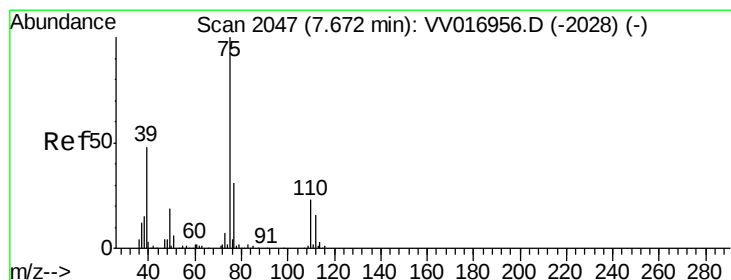
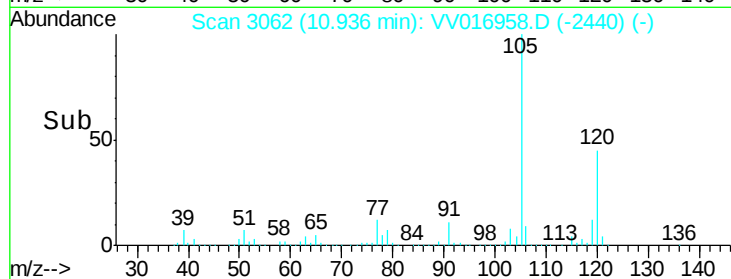
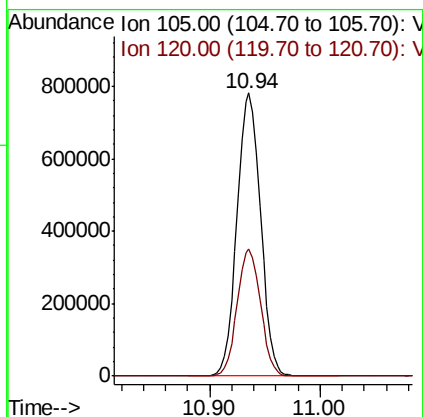
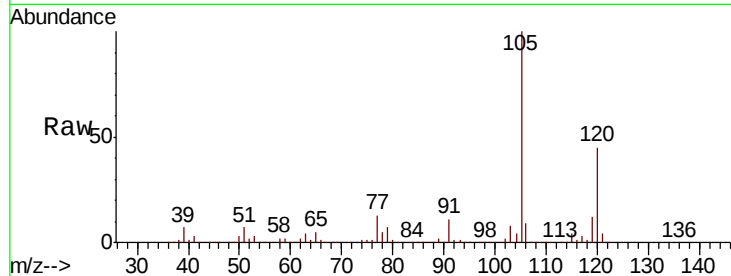




#44
1,2,4-Trimethylbenzene
Concen: 21.388 ug/L
RT: 10.94 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

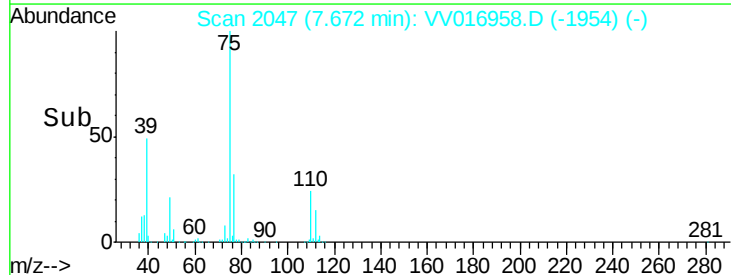
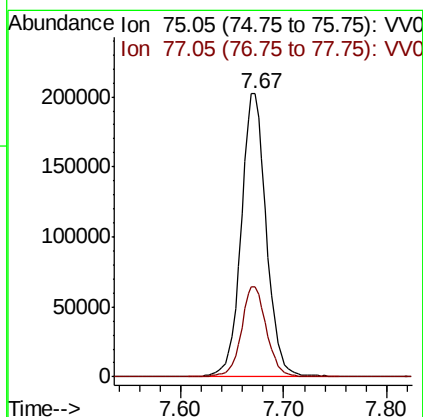
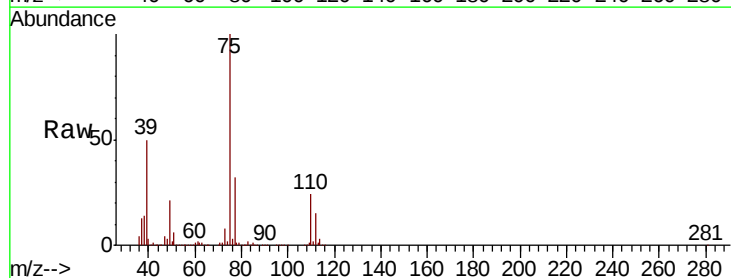
Instrument :
MSVOA_V
ClientSampled :
VSTD02032

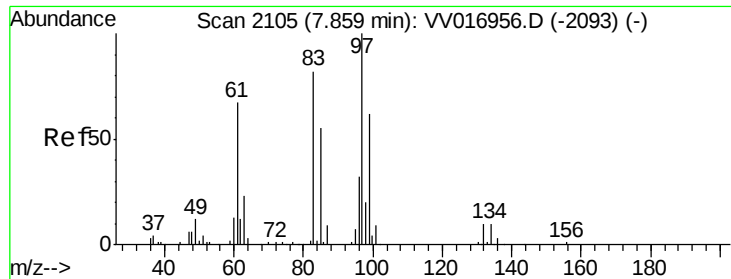
Tot Ion:105 Resp: 1155806
Ion Ratio Lower Upper
105 100
120 44.8 35.8 53.8



#46
trans-1,3-Dichloropropene
Concen: 22.032 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 75 Resp: 343118
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.3

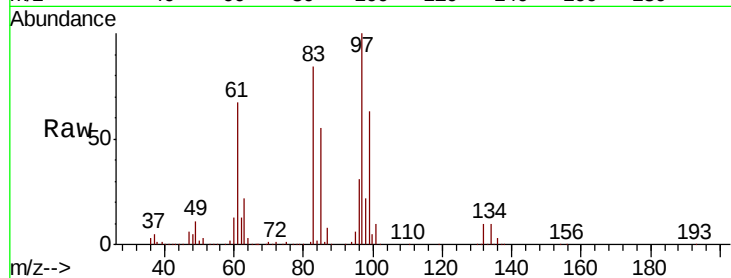




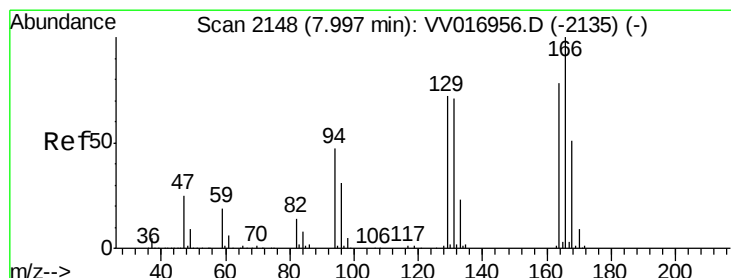
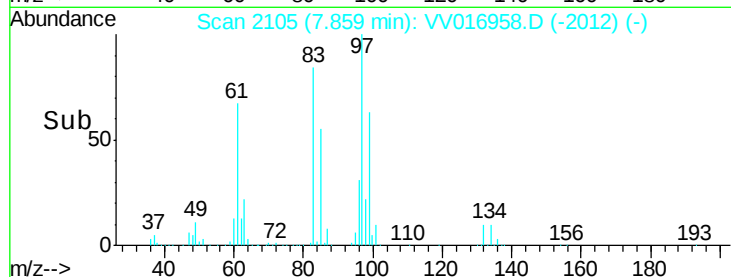
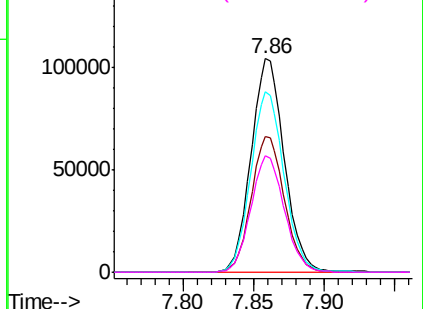
#47
 1,1,2-Trichloroethane
 Concen: 18.907 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Tot Ion: 97 Resp: 171593
 Ion Ratio Lower Upper
 97 100
 99 63.5 43.6 81.0
 83 84.3 57.4 106.6
 85 54.6 38.8 72.0

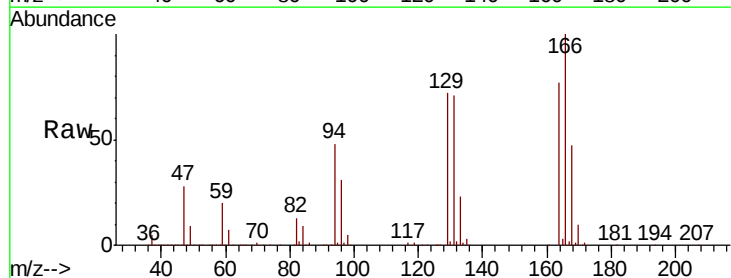


Abundance Ion 96.95 (96.65 to 97.65): VV016958.D (-2012) (-)
 Ion 99.05 (98.75 to 99.75): VV016958.D (-2012) (-)
 Ion 82.95 (82.65 to 83.65): VV016958.D (-2012) (-)
 Ion 85.00 (84.70 to 85.70): VV016958.D (-2012) (-)

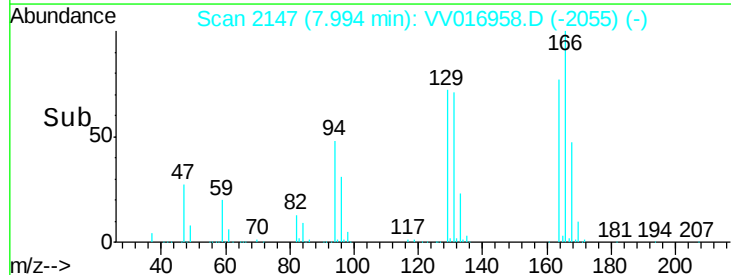
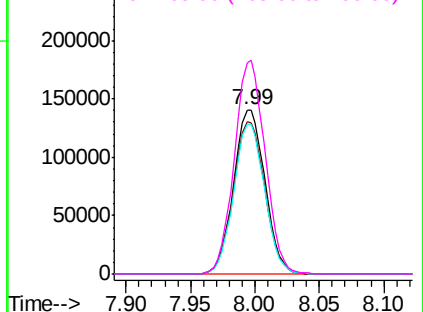


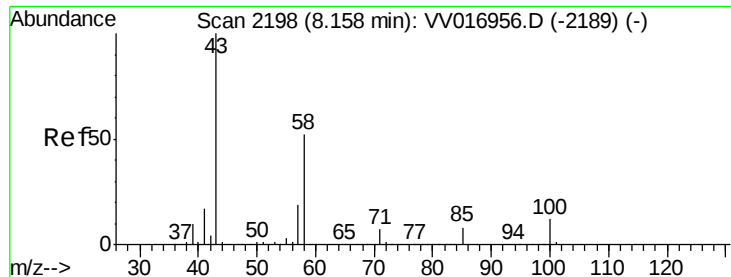
#49
 Tetrachloroethene
 Concen: 21.346 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Tgt Ion: 164 Resp: 237182
 Ion Ratio Lower Upper
 164 100
 129 92.6 65.2 121.0
 131 91.6 64.1 119.1
 166 129.1 90.2 167.4



Abundance Ion 163.90 (163.60 to 164.60): VV016958.D (-2055) (-)
 Ion 128.95 (128.65 to 129.65): VV016958.D (-2055) (-)
 Ion 130.95 (130.65 to 131.65): VV016958.D (-2055) (-)
 Ion 165.90 (165.60 to 166.60): VV016958.D (-2055) (-)

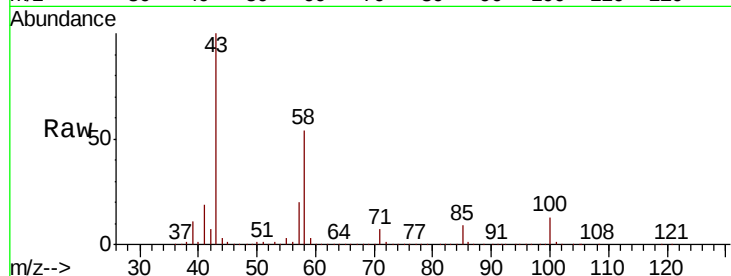




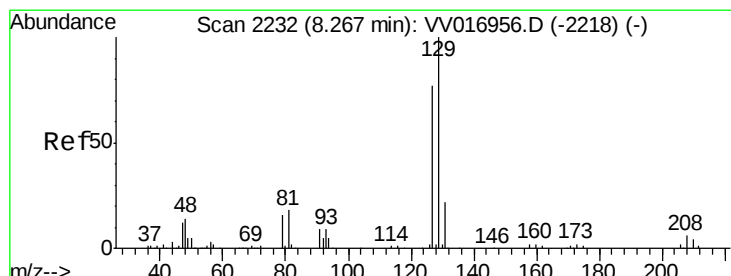
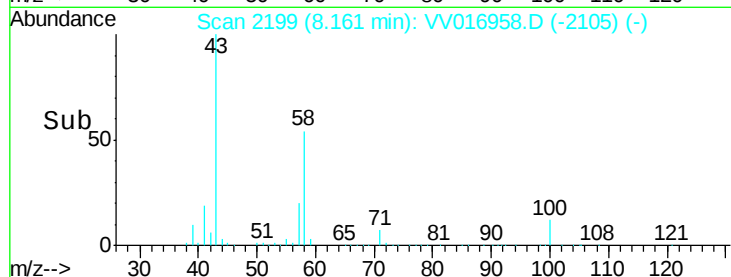
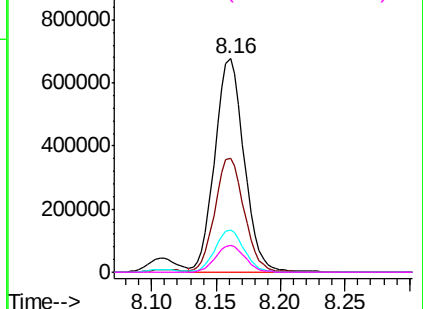
#50
2-Hexanone
Concen: 183.153 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Tot Ion: 43 Resp: 1065456
Ion Ratio Lower Upper
43 100
58 53.8 41.6 62.4
57 19.6 15.4 23.0
100 12.9 10.1 15.1

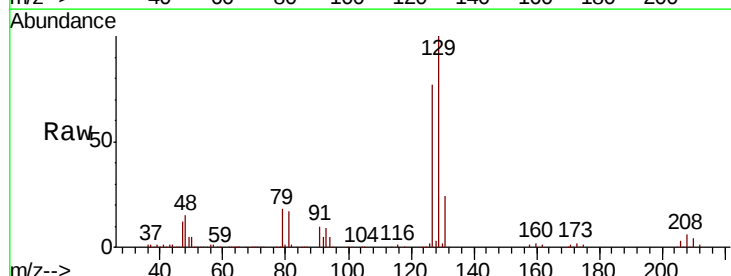


Abundance Ion 43.05 (42.75 to 43.75): VV016958.D (-2105) (-)
Ion 58.05 (57.75 to 58.75): VV016958.D (-2105) (-)
Ion 57.20 (56.90 to 57.90): VV016958.D (-2105) (-)
Ion 100.15 (99.85 to 100.85): VV016958.D (-2105) (-)

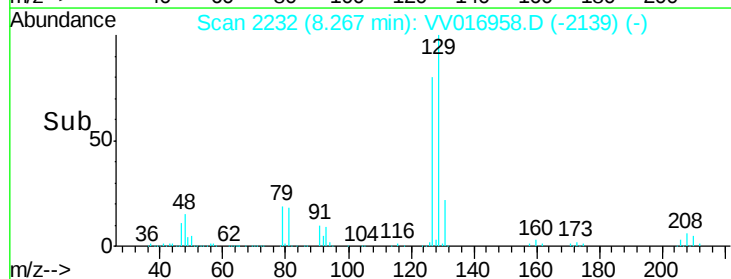
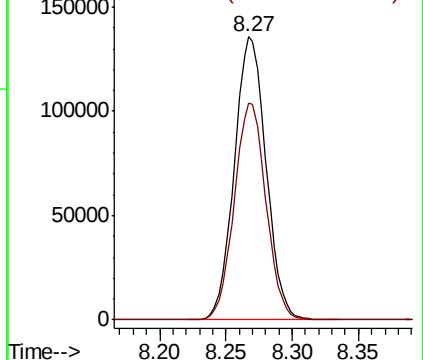


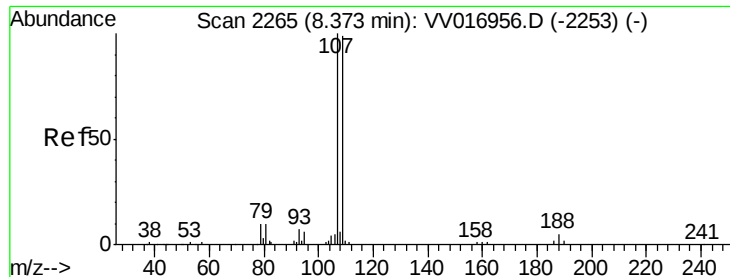
#51
Dibromochloromethane
Concen: 22.948 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 129 Resp: 225989
Ion Ratio Lower Upper
129 100
127 76.8 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): VV016958.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV016958.D (-2139) (-)

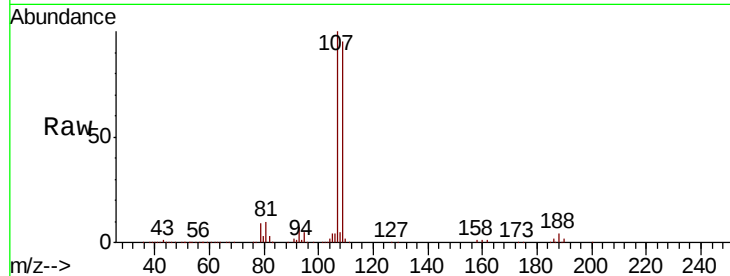




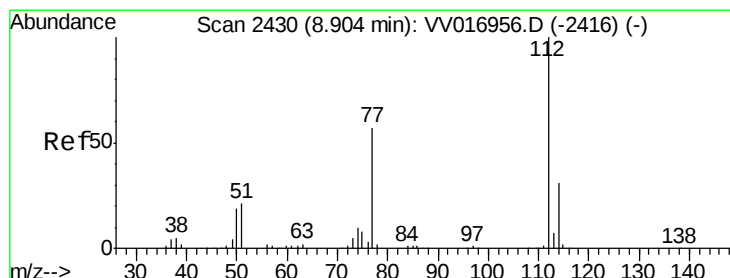
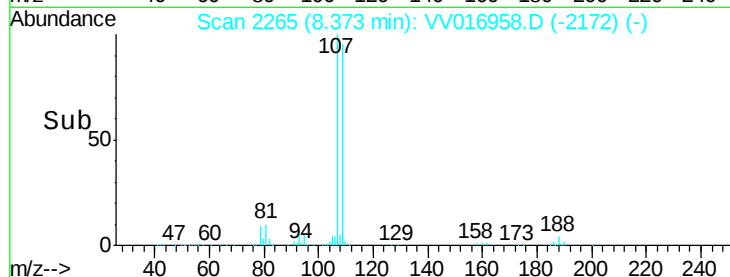
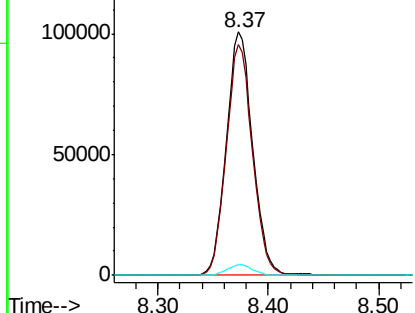
#52
 1,2-Dibromoethane
 Concen: 19.548 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	69.4	128.8
188	4.5	3.9	5.9

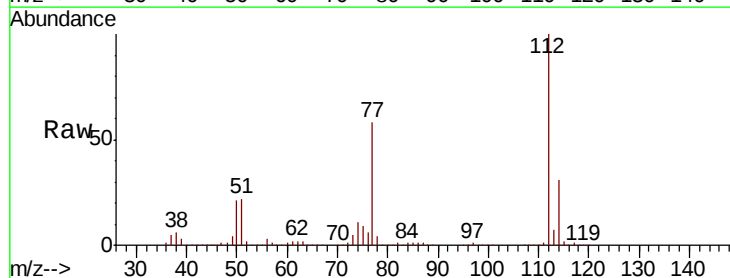


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

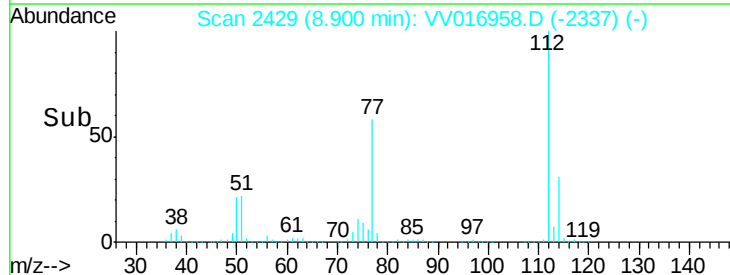
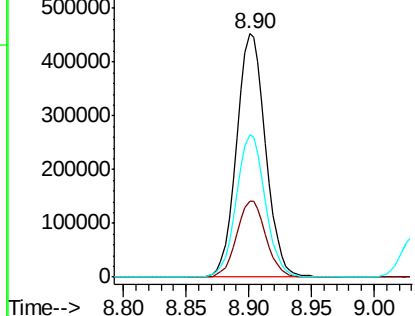


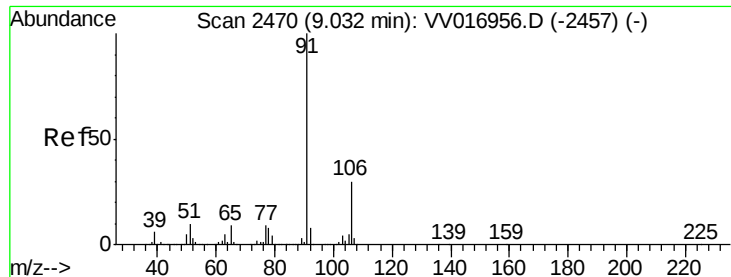
#53
 Chlorobenzene
 Concen: 19.354 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	41.0
77	58.5	46.0	69.0



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

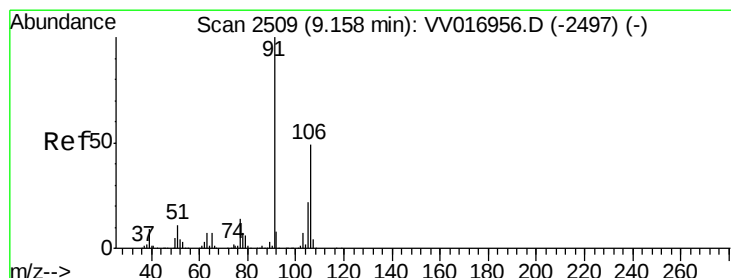
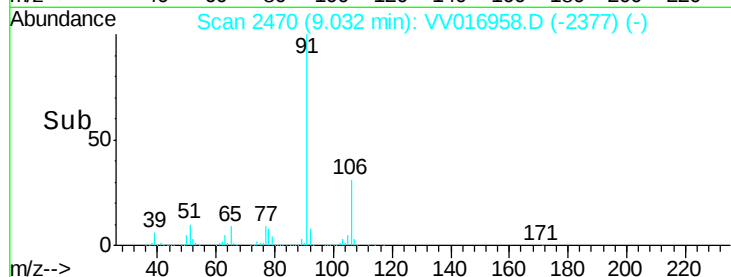
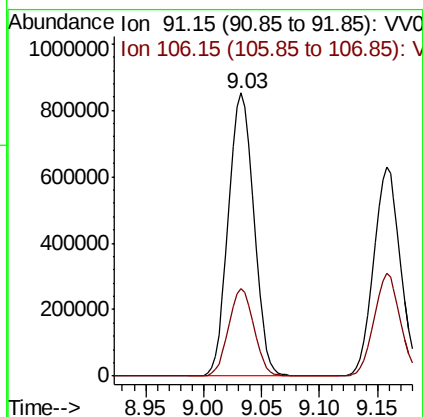
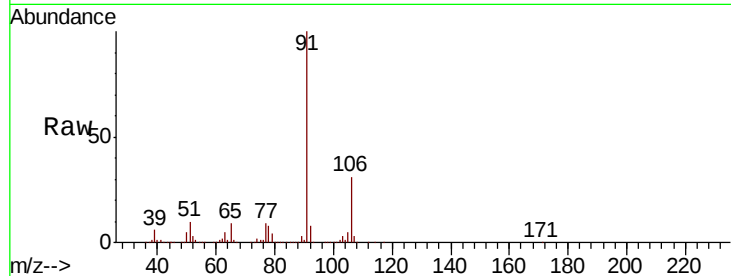




#54
Ethylbenzene
Concen: 19.788 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

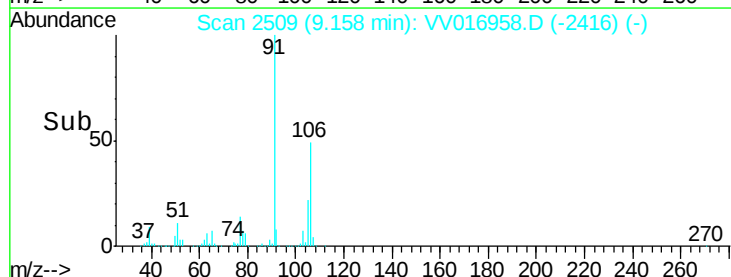
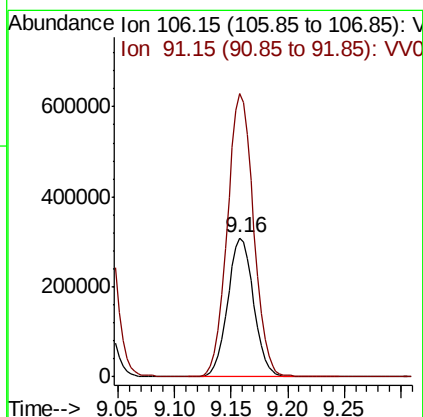
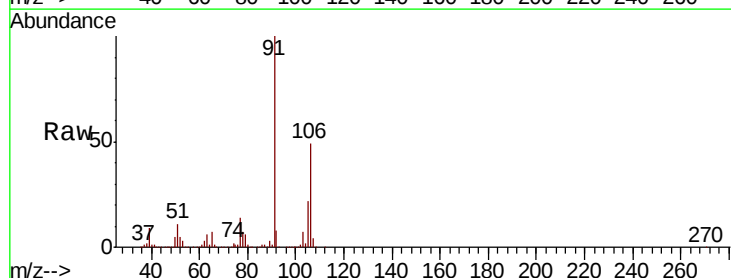
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

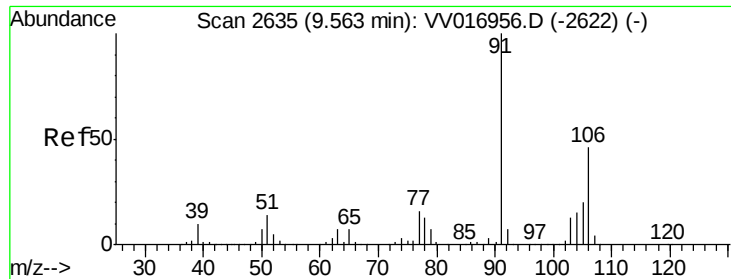
Tot Ion: 91 Resp: 1295295
Ion Ratio Lower Upper
91 100
106 30.9 21.1 39.1



#55
m,p-xylene
Concen: 19.944 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion: 106 Resp: 490641
Ion Ratio Lower Upper
106 100
91 203.8 142.7 264.9

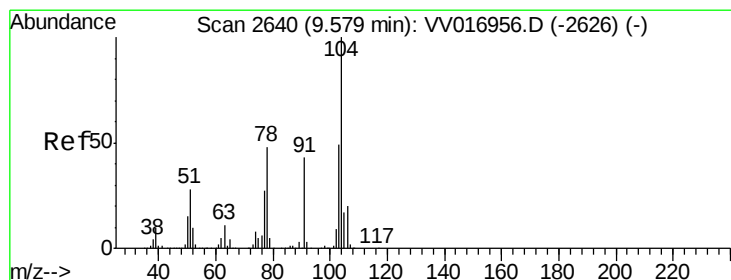
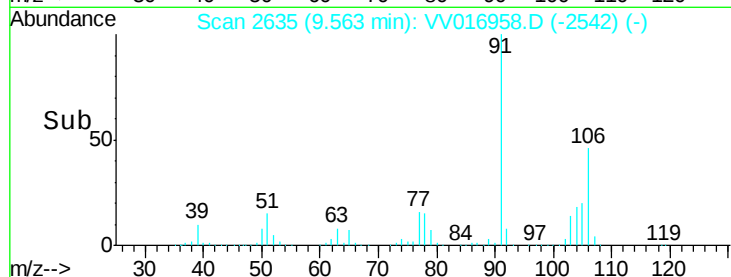
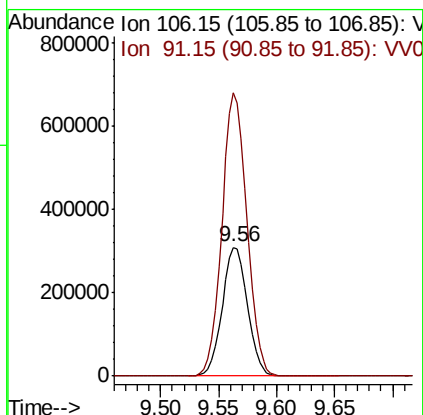
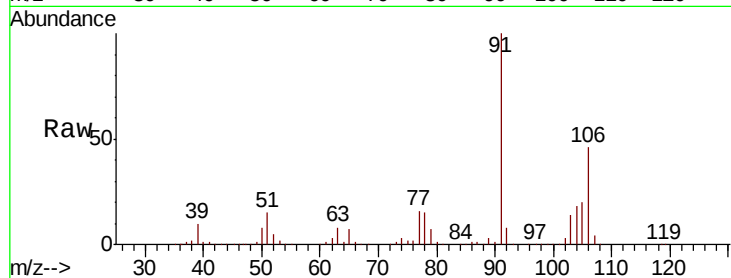




#56
o-xylene
Concen: 20.229 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

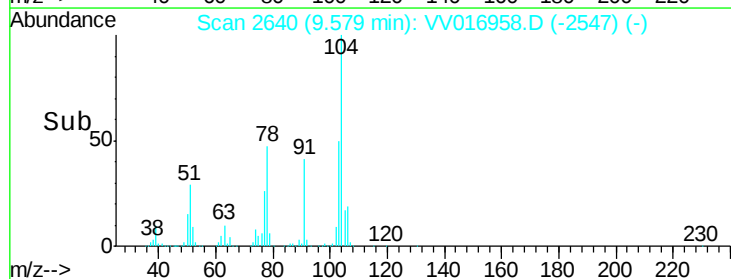
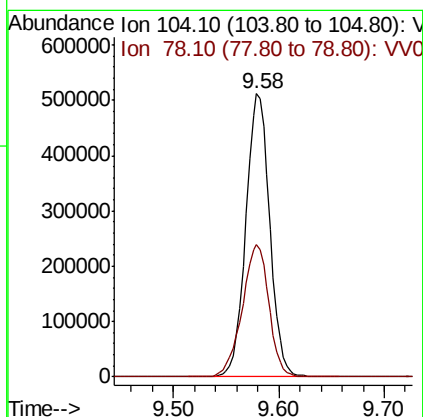
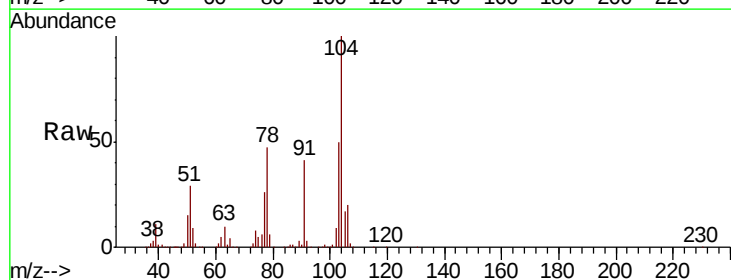
Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

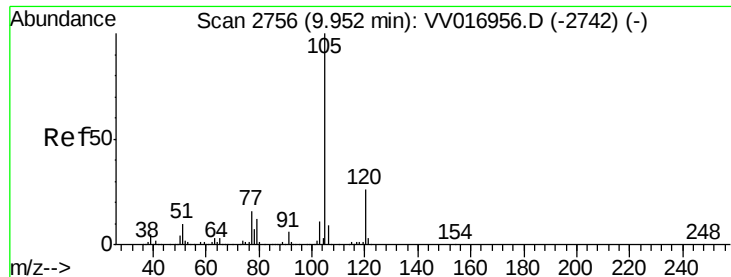
Tot Ion:106 Resp: 467929
Ion Ratio Lower Upper
106 100
91 219.3 153.6 285.2



#57
Styrene
Concen: 20.530 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion:104 Resp: 806218
Ion Ratio Lower Upper
104 100
78 46.9 33.9 62.9





#58

Isopropylbenzene

Concen: 20.639 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

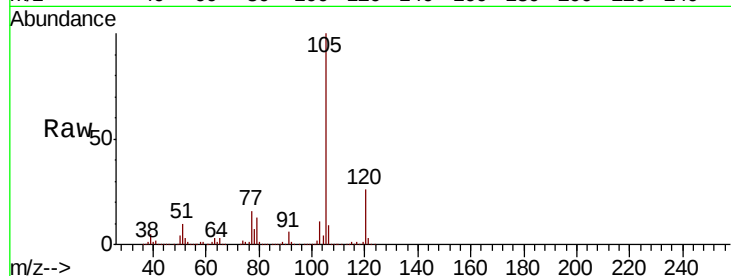
Tot Ion:105 Resp: 1309973

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

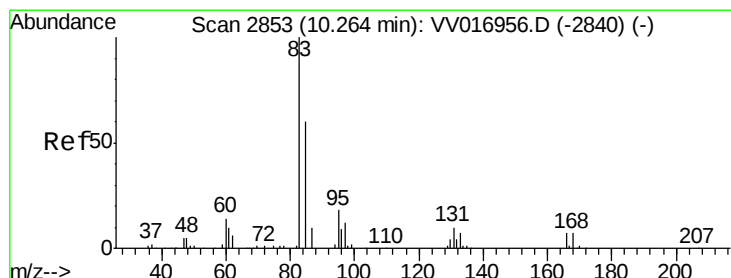
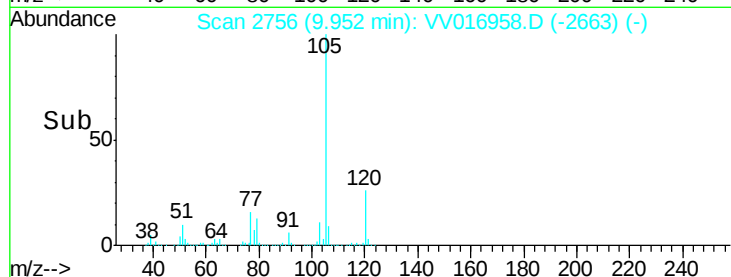
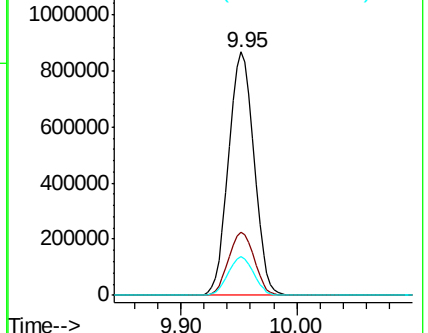
77 16.1 13.0 19.4



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



#60

1,1,2,2-Tetrachloroethane

Concen: 16.954 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

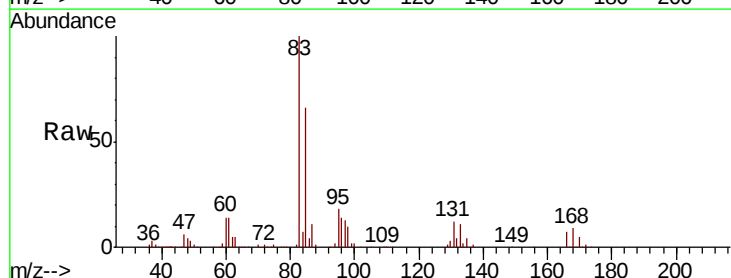
Tgt Ion: 83 Resp: 188669

Ion Ratio Lower Upper

83 100

85 66.5 42.9 79.7

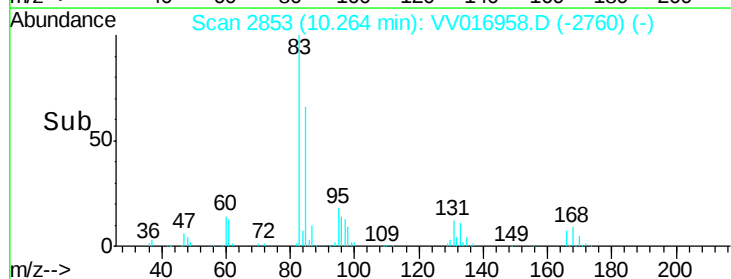
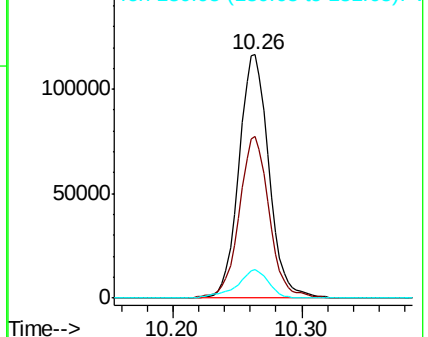
131 11.6 8.6 13.0

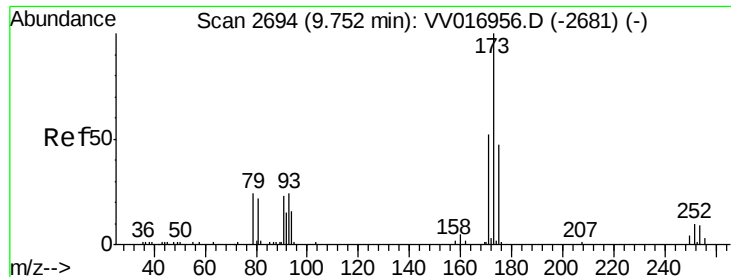


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 26.304 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

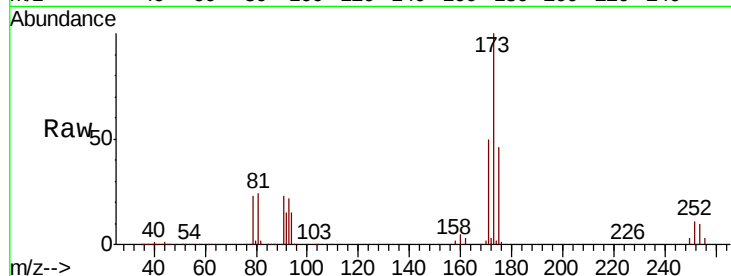
Tot Ion:173 Resp: 121295

Ion Ratio Lower Upper

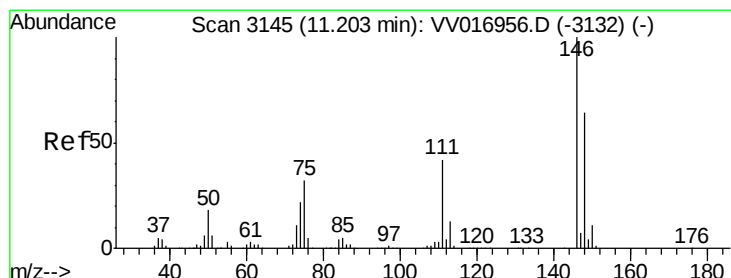
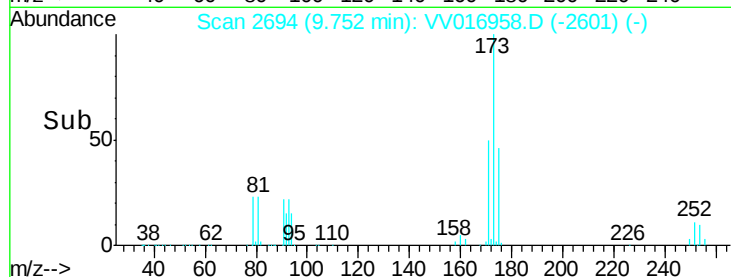
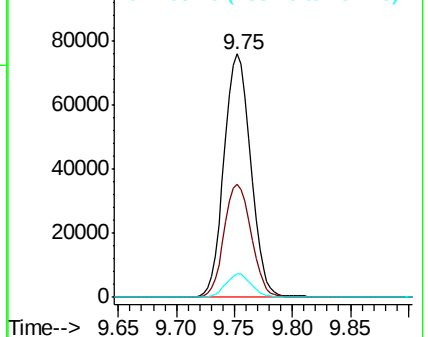
173 100

175 47.3 39.4 59.2

254 9.2 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 19.552 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

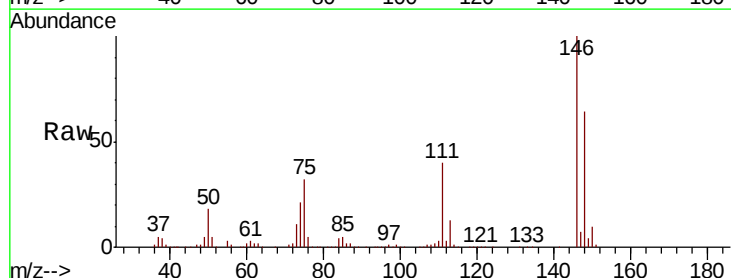
Tgt Ion:146 Resp: 619427

Ion Ratio Lower Upper

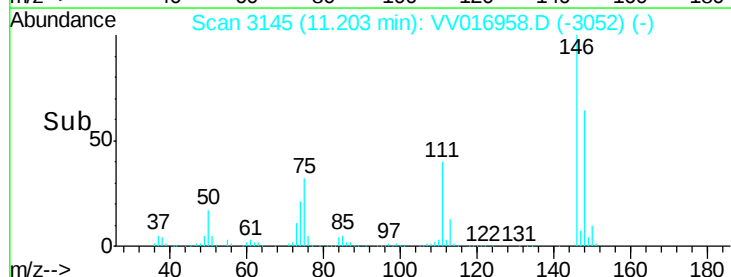
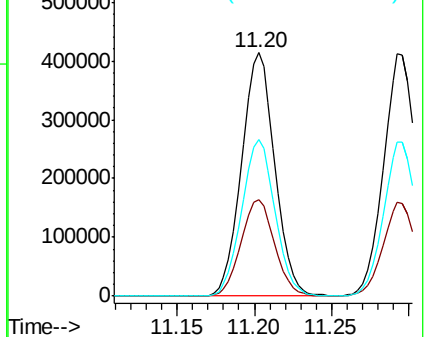
146 100

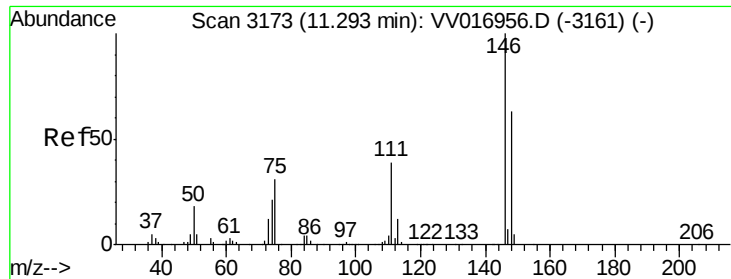
111 39.7 29.2 54.2

148 64.5 44.9 83.5



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





#64

1,4-Dichlorobenzene

Concen: 18.890 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

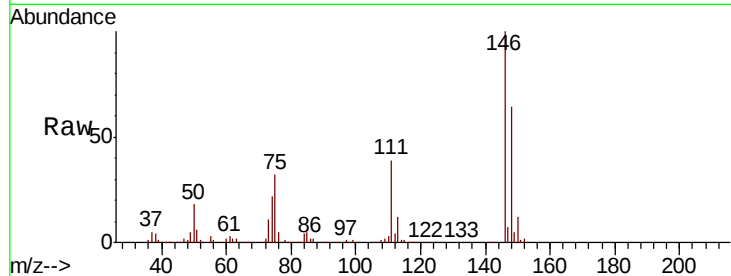
Tot Ion:146 Resp: 619184

Ion Ratio Lower Upper

146 100

111 38.8 27.4 50.8

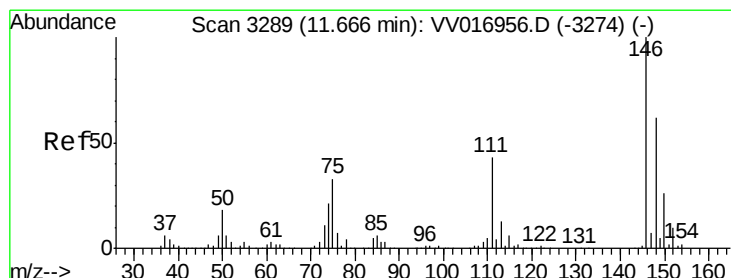
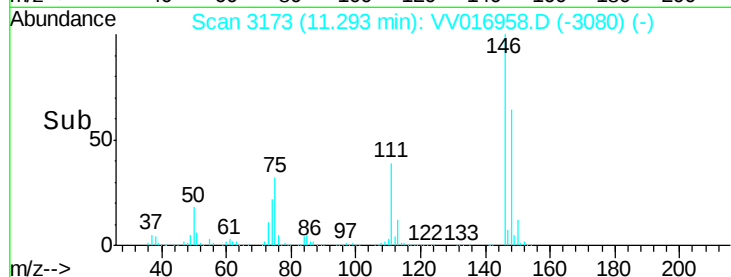
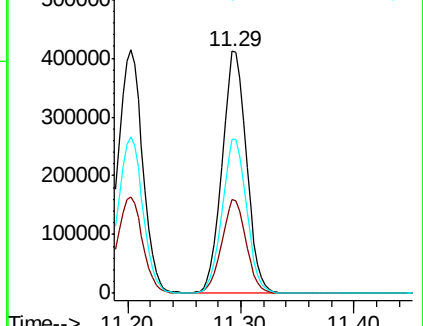
148 63.9 44.3 82.3



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-Dichlorobenzene

Concen: 18.930 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

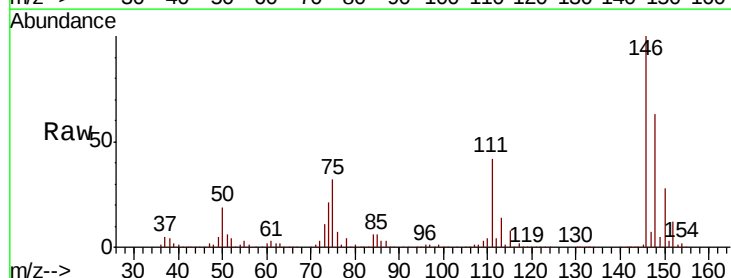
Tgt Ion:146 Resp: 560049

Ion Ratio Lower Upper

146 100

111 42.1 34.4 51.6

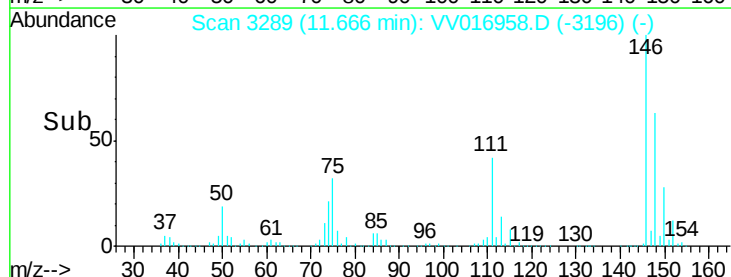
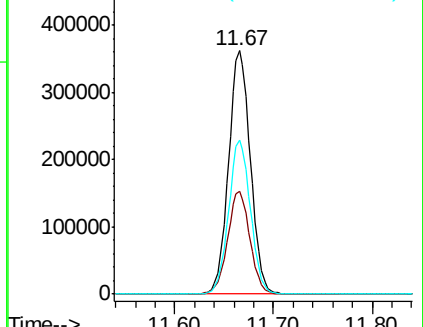
148 63.2 49.9 74.9

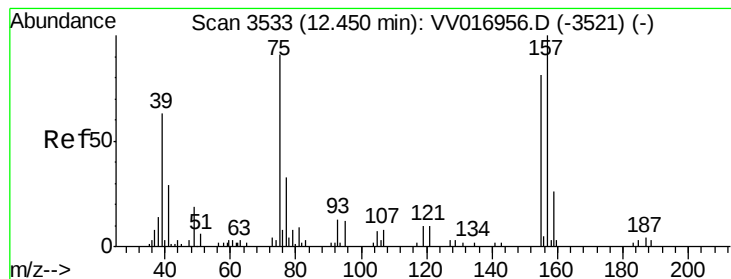


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 19.290 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD02032

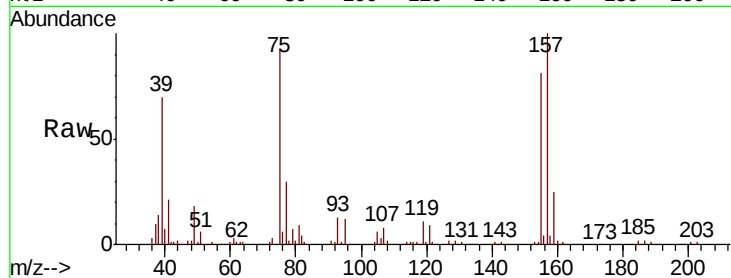
Tot Ion: 75 Resp: 35784

Ion Ratio Lower Upper

75 100

155 87.1 71.1 106.7

157 107.6 88.3 132.5

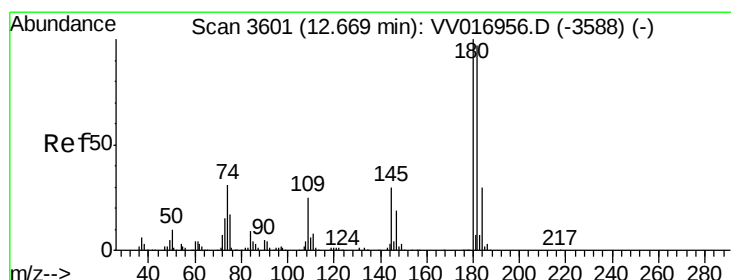
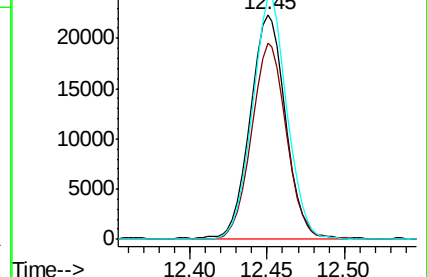
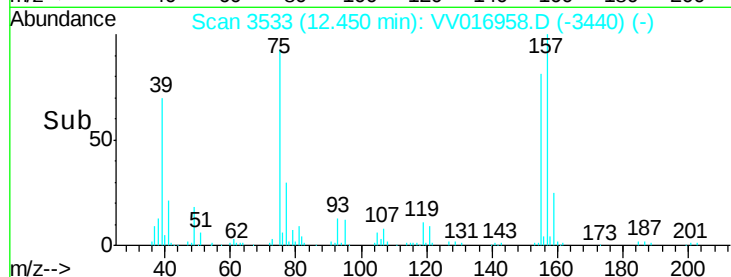


Abundance Ion 75.05 (74.75 to 75.75): VV016958.D (-3521) (-)

Ion 154.95 (154.65 to 155.65): VV016958.D (-3521) (-)

Ion 156.90 (156.60 to 157.60): VV016958.D (-3521) (-)

Time-->



#68

1,3,5-Trichlorobenzene

Concen: 21.642 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV016958.D

Acq: 17 Jun 2020 11:11

Tgt Ion: 180 Resp: 506063

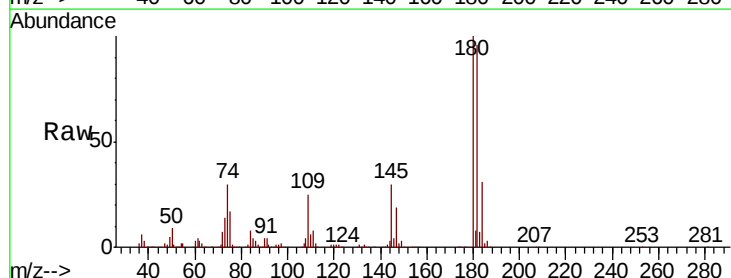
Ion Ratio Lower Upper

180 100

182 96.3 77.4 116.2

184 30.5 24.2 36.4

145 29.9 24.3 36.5



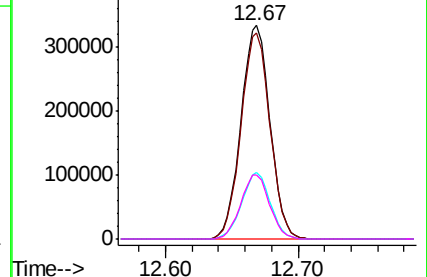
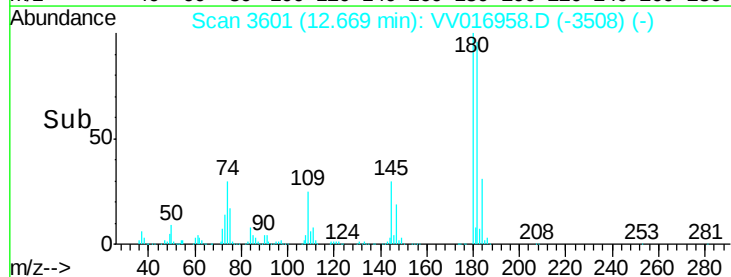
Abundance Ion 180.00 (179.70 to 180.70): VV016958.D (-3588) (-)

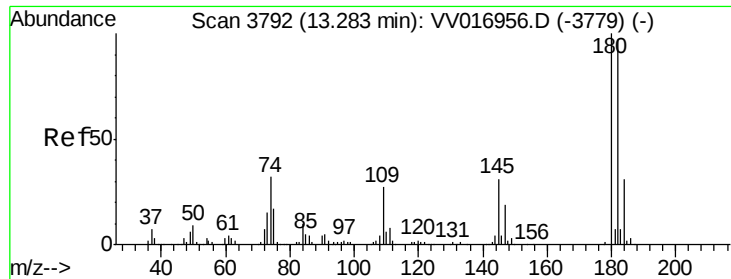
Ion 182.00 (181.70 to 182.70): VV016958.D (-3588) (-)

Ion 184.00 (183.70 to 184.70): VV016958.D (-3588) (-)

Ion 145.00 (144.70 to 145.70): VV016958.D (-3588) (-)

Time-->

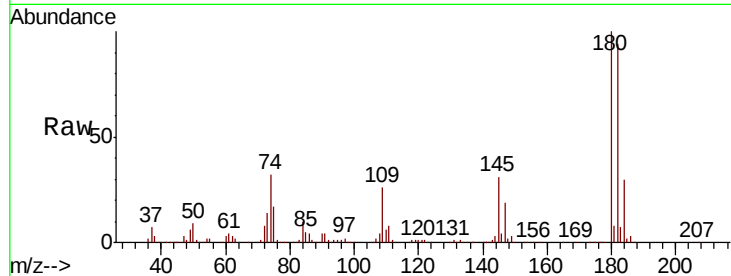




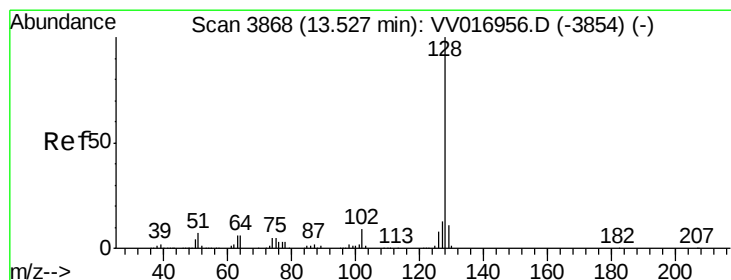
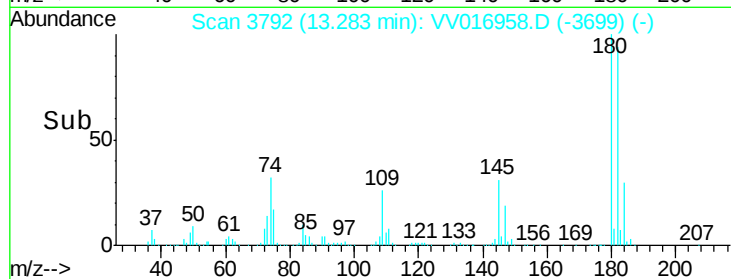
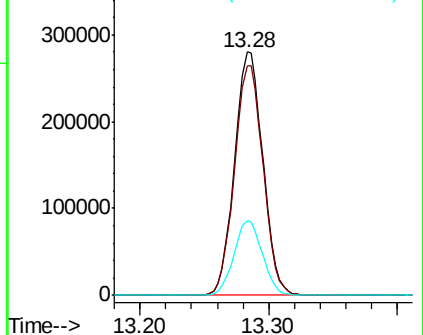
#69
1,2,4-trichlorobenzene
Concen: 21.359 ug/L
RT: 13.28 min Scan# 3792
Delta R.T. 0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD02032

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
145	30.9	25.0	37.6

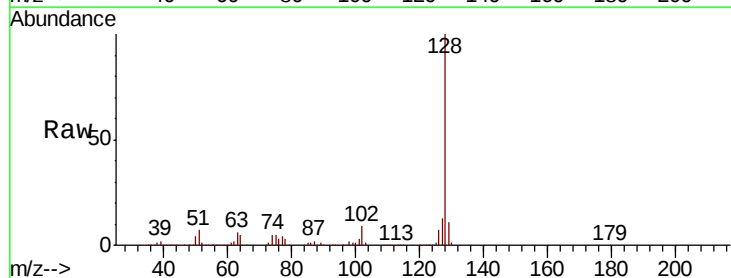


Abundance Ion 179.90 (179.60 to 180.60): V
Ion 182.00 (181.70 to 182.70): V
Ion 144.95 (144.65 to 145.65): V

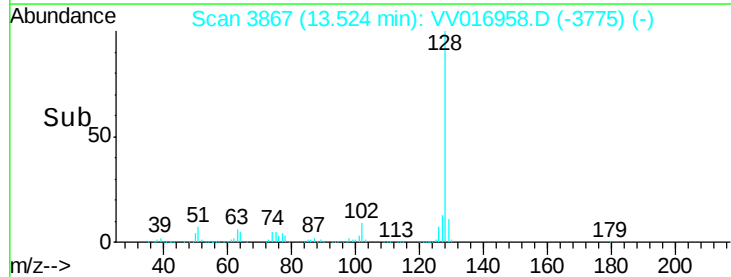
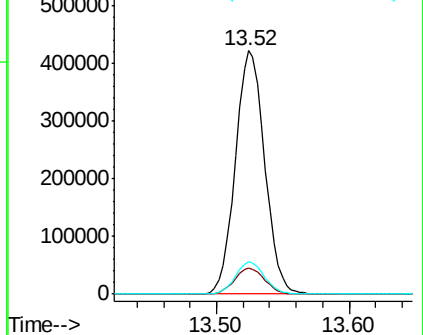


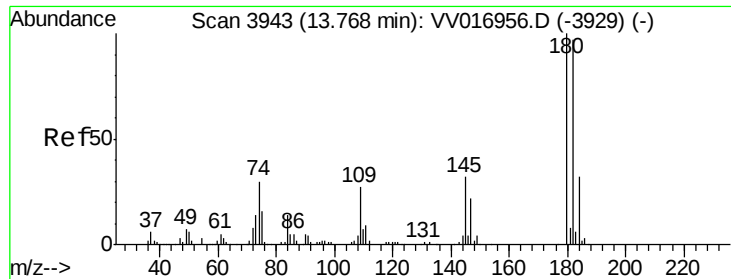
#70
Naphthalene
Concen: 14.149 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV016958.D
Acq: 17 Jun 2020 11:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.5	15.7



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





#71
 1,2,3-Trichlorobenzene
 Concen: 20.073 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV016958.D
 Acq: 17 Jun 2020 11:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02032

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.4	116.0
145	33.4	25.9	38.9

