

Data File : VV013952.D
Acq On : 09 Dec 2019 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Quant Time: Dec 10 04:27:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 09 10:01:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	677999	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	631747	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	338295	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	185214	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.46%
7) Chloroethane-d5	1.56	69	188782	46.12	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.24%
11) 1,1-Dichloroethene-d2	2.12	63	421687	48.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.26%
21) 2-Butanone-d5	3.92	46	306330	110.99	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.99%
24) Chloroform-d	4.39	84	434758	52.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.60%
26) 1,2-Dichloroethane-d4	5.07	65	228193	43.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.46%
32) Benzene-d6	5.09	84	751090	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.11	67	222006	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.36%
41) Toluene-d8	7.35	98	697521	46.74	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.48%
43) trans-1,3-Dichloropropene-	7.66	79	103844	43.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.86%
47) 2-Hexanone-d5	8.13	63	161925	88.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.25%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	295837	41.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.16%
64) 1,2-Dichlorobenzene-d4	11.67	152	288956	43.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.98%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	257569	42.666	ug/L	97
3) Chloromethane	1.25	50	258491	46.835	ug/L	99
5) Vinyl chloride	1.32	62	254138	44.150	ug/L	99
6) Bromomethane	1.51	94	150575	43.266	ug/L	99
8) Chloroethane	1.58	64	172546	45.050	ug/L	99
9) Trichlorofluoromethane	1.76	101	410547	45.856	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	239447	46.958	ug/L	100
12) 1,1-Dichloroethene	2.13	96	225285	45.739	ug/L	100
13) Acetone	2.18	43	376409	93.065	ug/L	98
14) Carbon disulfide	2.31	76	624512	48.079	ug/L	99
15) Methyl Acetate	2.45	43	279204	56.012	ug/L	99
16) Methylene chloride	2.53	84	272392	53.106	ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	244806	50.813	ug/L	94
18) Methyl tert-butyl Ether	2.80	73	771154	55.156	ug/L	100
19) 1,1-Dichloroethane	3.22	63	464726	53.540	ug/L	98
20) cis-1,2-Dichloroethene	3.95	96	279334	53.540	ug/L	100
22) 2-Butanone	4.00	43	435508	112.182	ug/L	96

Data File : VV013952.D
Acq On : 09 Dec 2019 10:11
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Quant Time: Dec 10 04:27:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM120219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Dec 09 10:01:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	152176	52.793	ug/L	97
25) Chloroform	4.42	83	475891	51.285	ug/L	99
27) 1,2-Dichloroethane	5.17	62	302925	45.304	ug/L	100
29) Cyclohexane	4.72	56	401330	54.374	ug/L	99
30) 1,1,1-Trichloroethane	4.65	97	399934	52.439	ug/L	99
31) Carbon tetrachloride	4.87	117	364550	53.510	ug/L	98
33) Benzene	5.14	78	878510	46.696	ug/L	100
34) Trichloroethene	5.95	95	241803	47.920	ug/L	98
35) Methylcyclohexane	6.17	83	360747	47.649	ug/L	98
37) 1,2-Dichloropropane	6.21	63	220747	48.480	ug/L	100
38) Bromodichloromethane	6.55	83	295823	45.811	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	352537	49.181	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	589037	99.483	ug/L	99
42) Toluene	7.42	91	955265	49.212	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	308718	47.560	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	225047	49.792	ug/L	99
46) Tetrachloroethene	8.01	164	218337	47.951	ug/L	96
48) 2-Hexanone	8.18	43	473644	99.999	ug/L	95
49) Dibromochloromethane	8.28	129	258292	46.751	ug/L	99
50) 1,2-Dibromoethane	8.39	107	241136	48.431	ug/L	99
51) Chlorobenzene	8.92	112	614025	45.850	ug/L	99
52) Ethylbenzene	9.05	91	1017257	47.538	ug/L	100
53) m,p-Xylene	9.18	106	392851	47.474	ug/L	97
54) o-xylene	9.58	106	374803	46.323	ug/L	96
55) Styrene	9.60	104	646051	46.281	ug/L	99
56) Isopropylbenzene	9.97	105	1021882	46.987	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	325302	44.211	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	285439	46.324	ug/L	99
61) Bromoform	9.77	173	198550	47.979	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	512268	46.149	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	508137	44.280	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	525537	47.331	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	69713	45.177	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	404034	44.822	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	318618	39.173	ug/L	100
69) Naphthalene	13.55	128	638892	29.916	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	337563	39.685	ug/L	100

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

Data File : VV013952.D

Acq On : 09 Dec 2019 10:11

Operator : SY/MD

Sample : VSTDCCC050

Misc : 5.0mL/MSVOA V/WATER

```
ALS Vial      : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

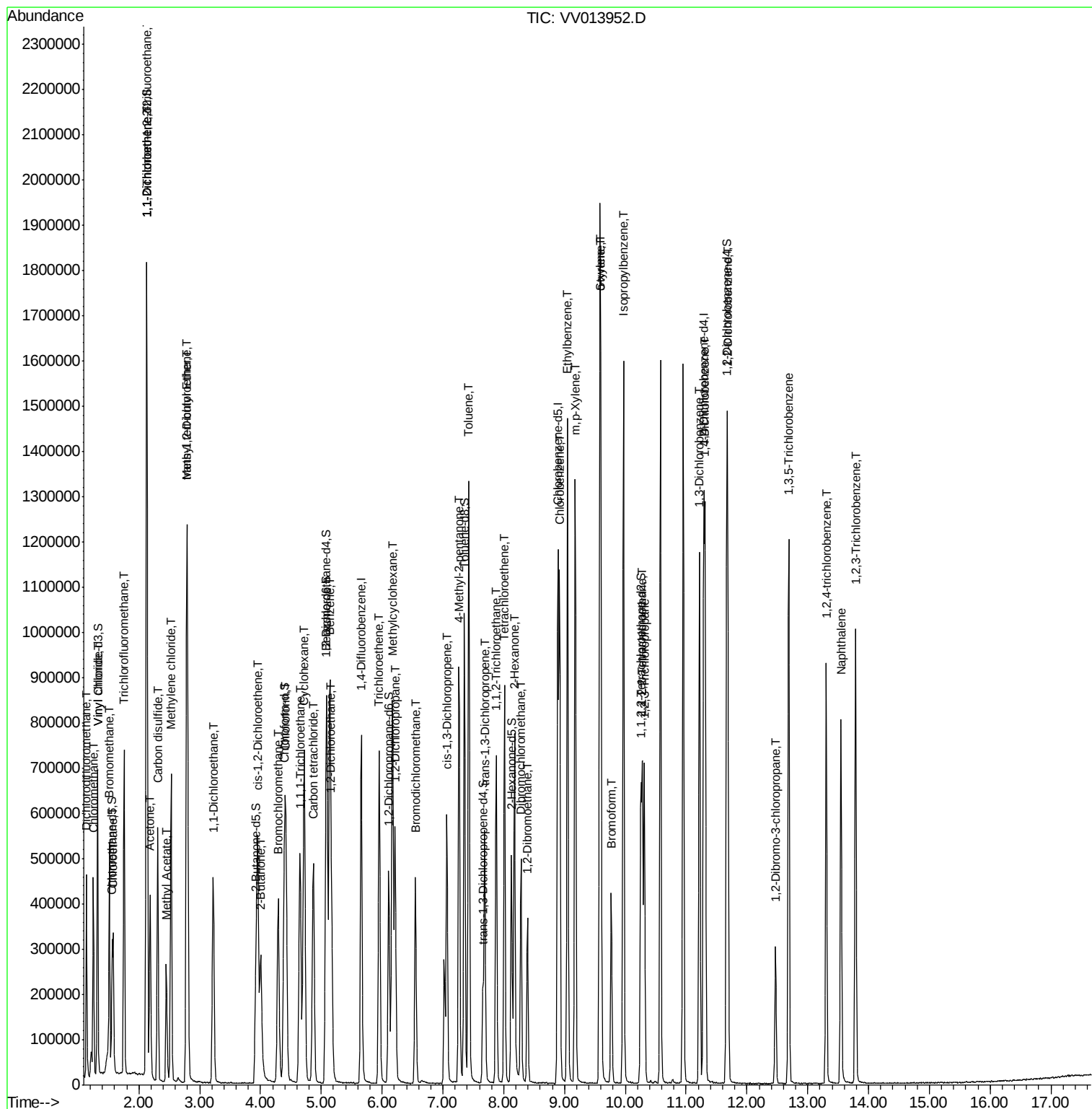
Quant Time: Dec 10 04:27:56 2019

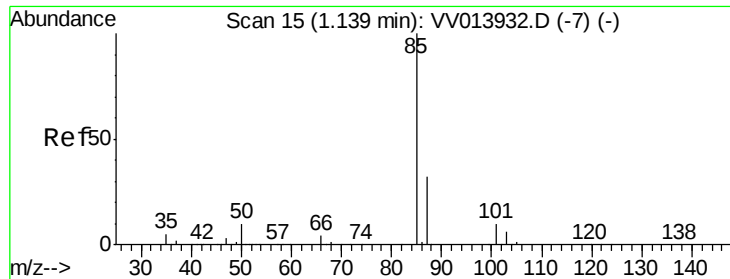
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM120219WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Dec 09 10:01:02 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 42.666 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

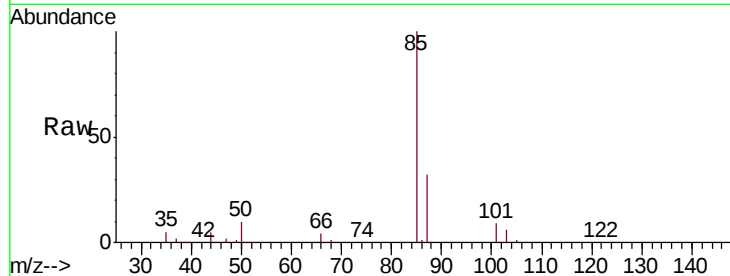
VSTD05073

Tgt Ion: 85 Resp: 257569

Ion Ratio Lower Upper

85 100

87 31.4 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

250000

200000

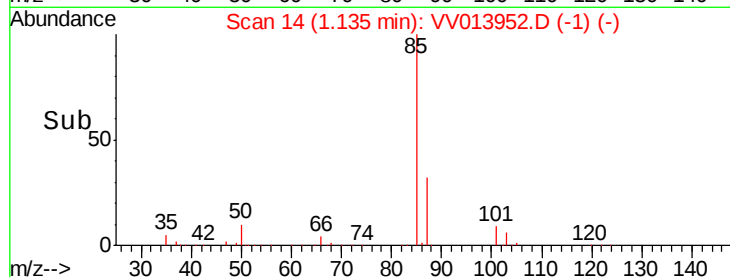
150000

100000

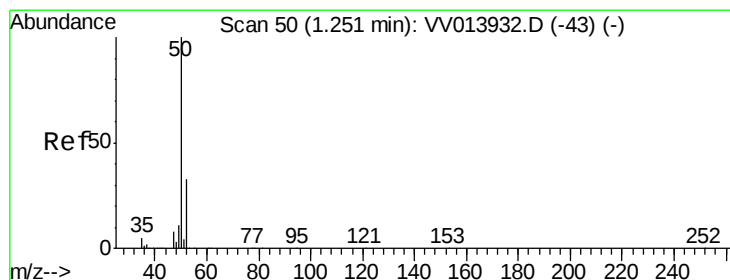
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 46.835 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013952.D

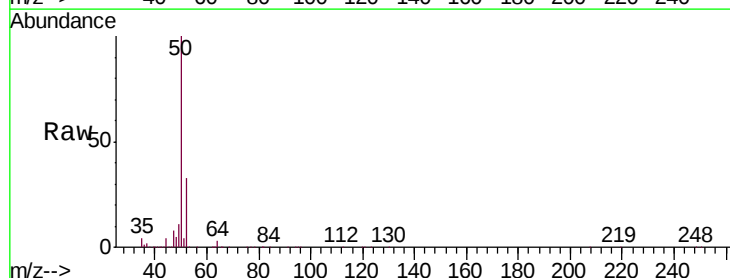
Acq: 09 Dec 2019 10:11

Tgt Ion: 50 Resp: 258491

Ion Ratio Lower Upper

50 100

52 33.3 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

250000

200000

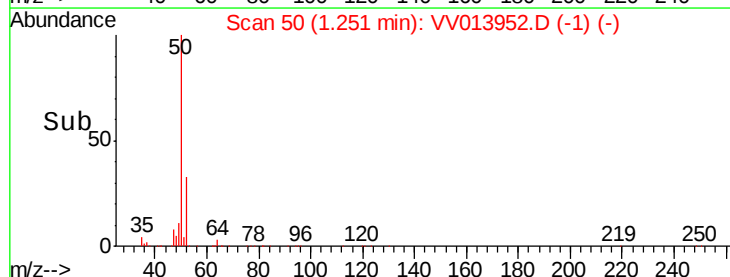
150000

100000

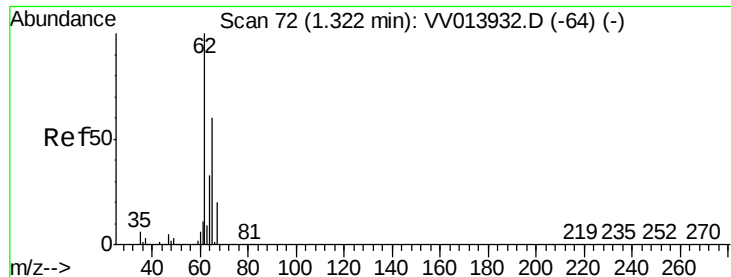
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 44.150 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

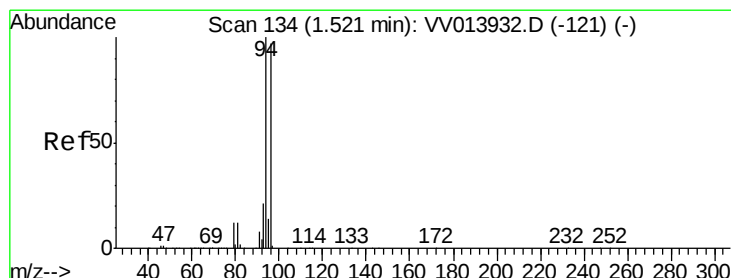
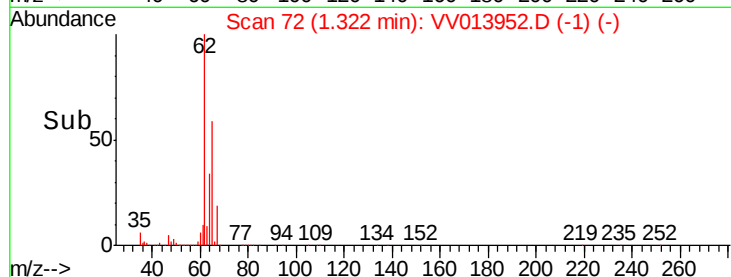
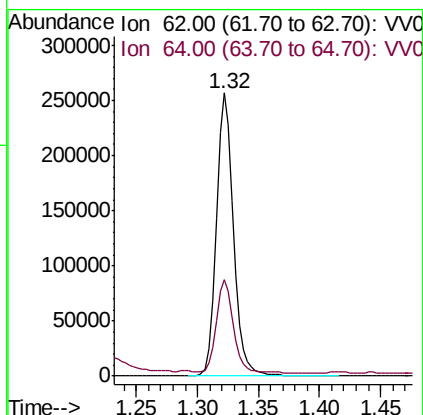
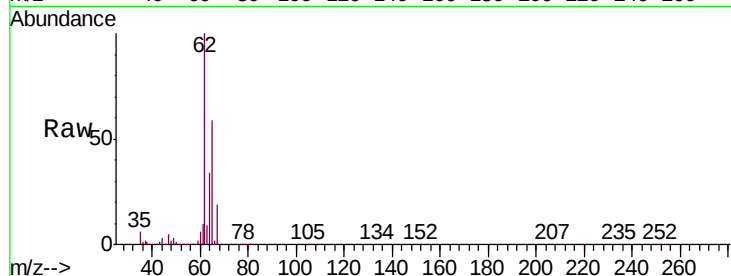
VSTD05073

Tgt Ion: 62 Resp: 254138

Ion Ratio Lower Upper

62 100

64 34.1 24.1 44.8



#6

Bromomethane

Concen: 43.266 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.01 min

Lab File: VV013952.D

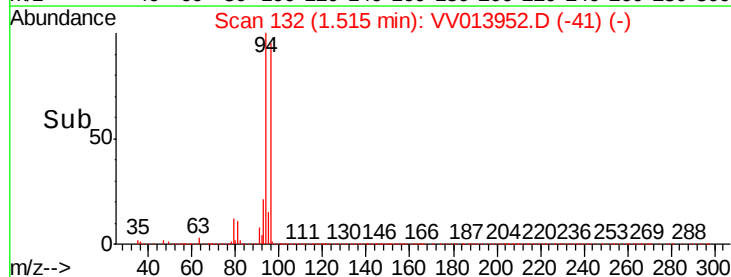
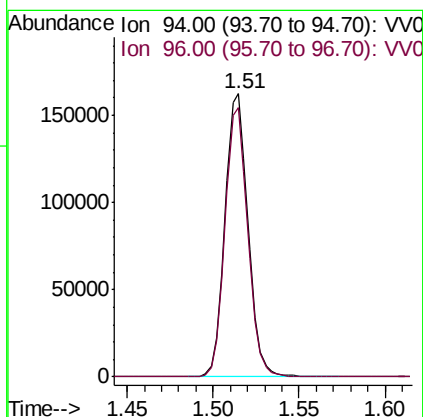
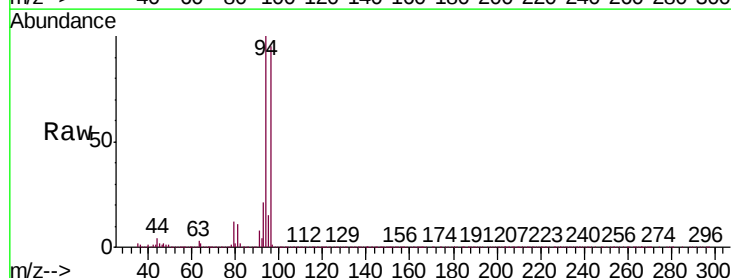
Acq: 09 Dec 2019 10:11

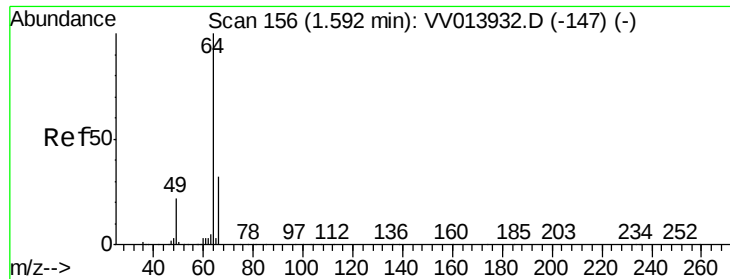
Tgt Ion: 94 Resp: 150575

Ion Ratio Lower Upper

94 100

96 95.1 66.2 123.0

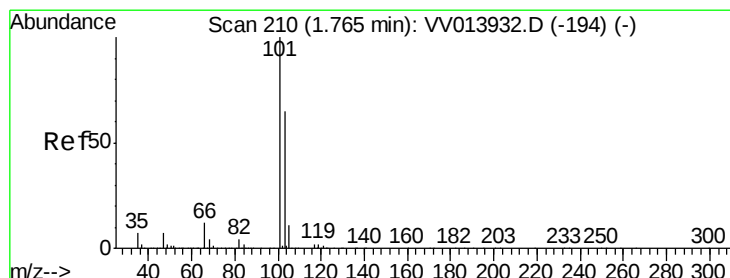
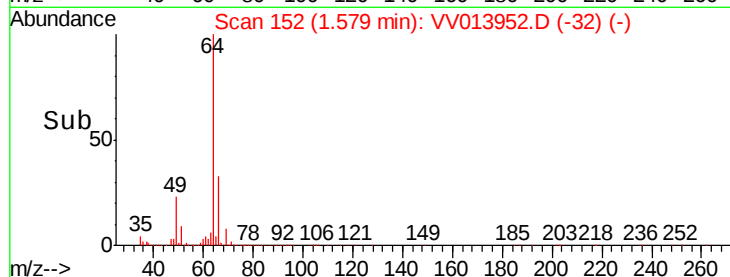
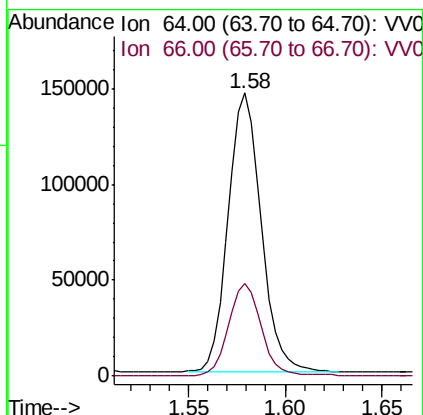
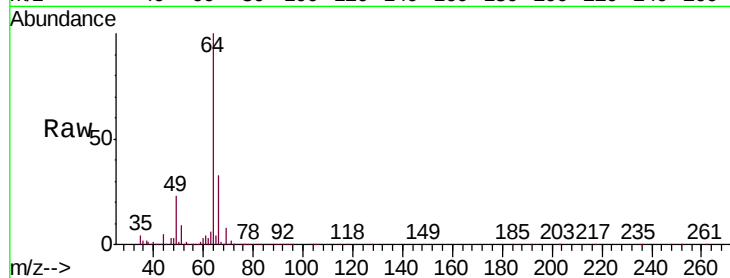




#8
Chloroethane
Concen: 45.050 ug/L
RT: 1.58 min Scan# 152
Delta R.T. -0.01 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

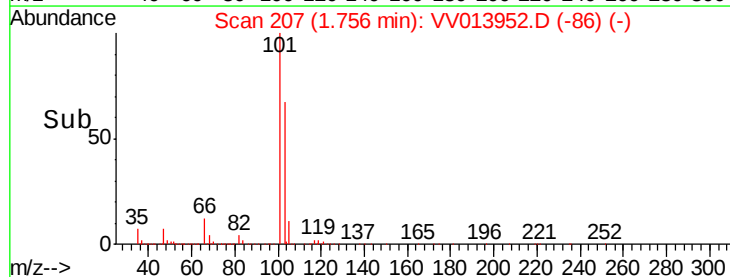
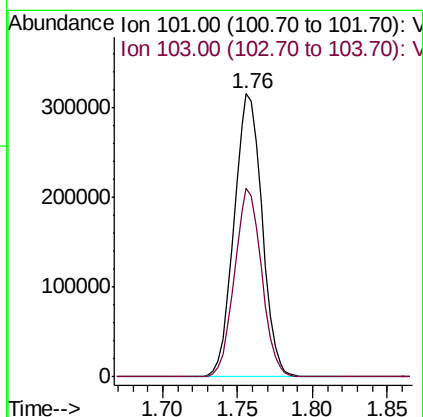
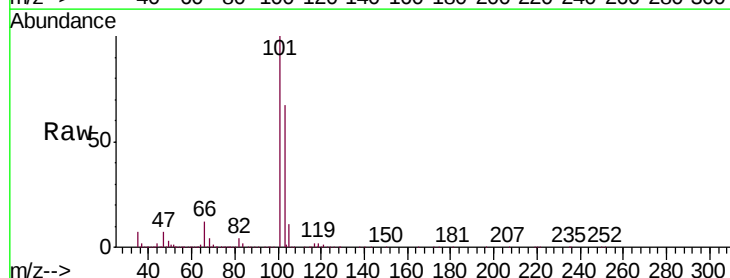
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

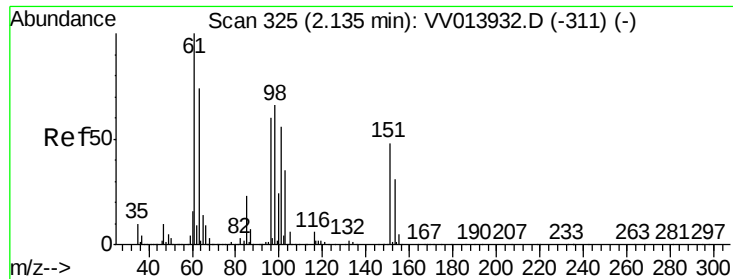
Tgt Ion: 64 Resp: 172546
Ion Ratio Lower Upper
64 100
66 32.8 22.7 42.1



#9
Trichlorofluoromethane
Concen: 45.856 ug/L
RT: 1.76 min Scan# 207
Delta R.T. -0.01 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 101 Resp: 410547
Ion Ratio Lower Upper
101 100
103 64.6 51.9 77.9





#10

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

Concen: 46.958 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

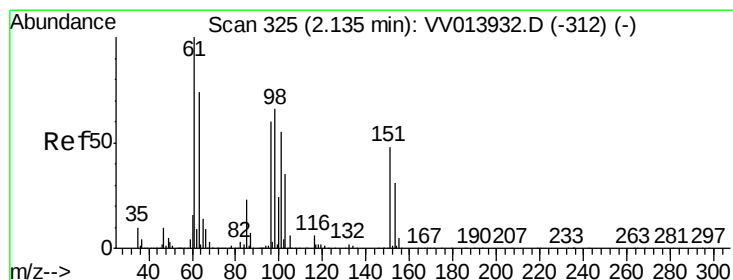
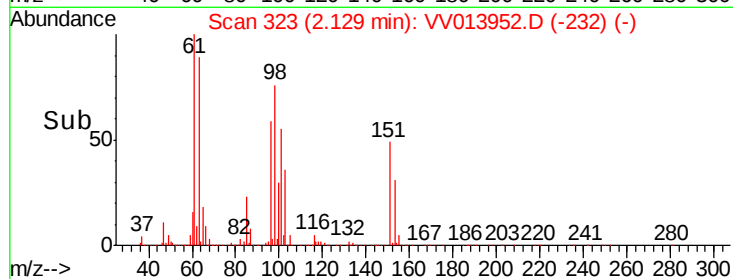
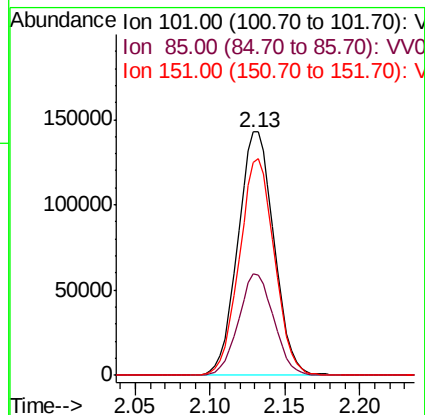
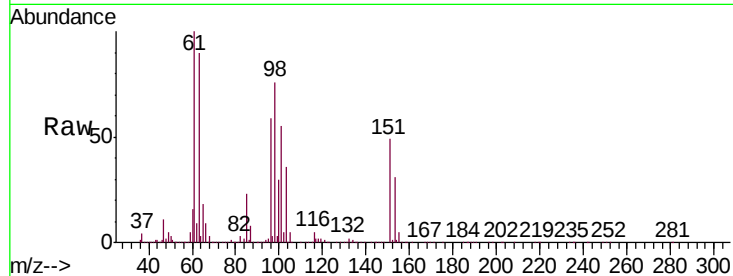
Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tgt Ion:	101	Resp:	239447
Ion Ratio	Lower	Upper	
101	100		
85	40.7	32.5	48.7
151	86.6	69.8	104.6



#12

1,1-Dichloroethene

Concen: 45.739 ug/L

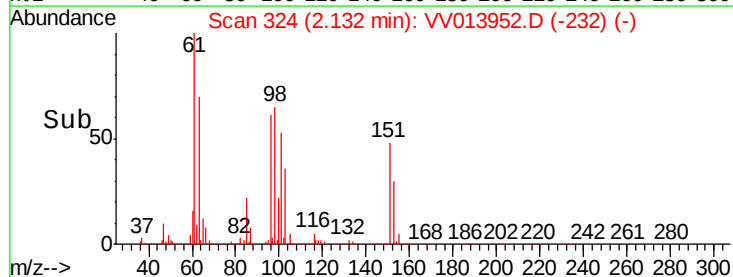
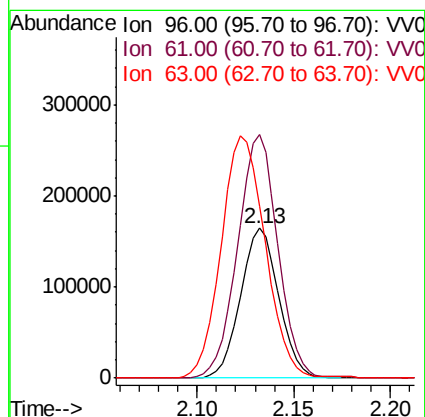
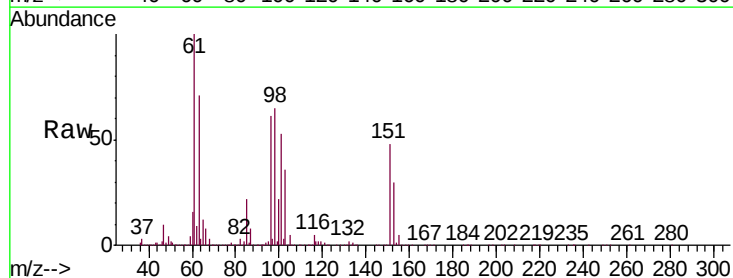
RT: 2.13 min Scan# 324

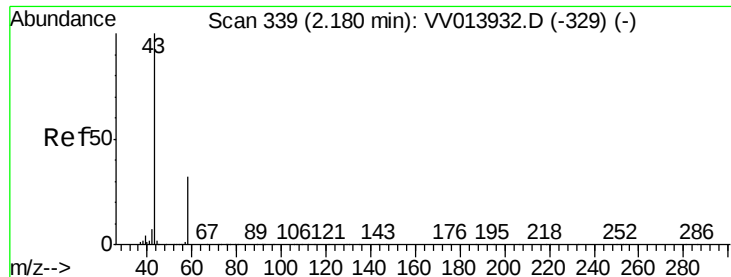
Delta R.T. -0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Tgt Ion:	96	Resp:	225285
Ion Ratio	Lower	Upper	
96	100		
61	162.7	114.0	211.8
63	114.8	80.3	149.1





#13

Acetone

Concen: 93.065 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

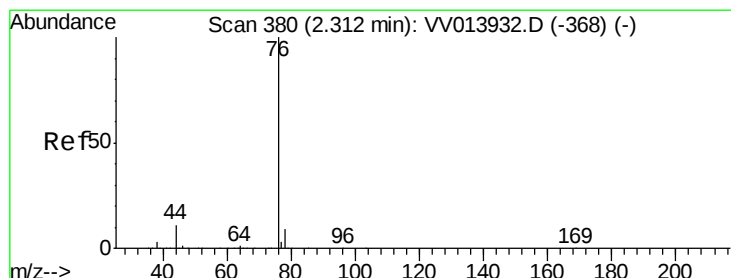
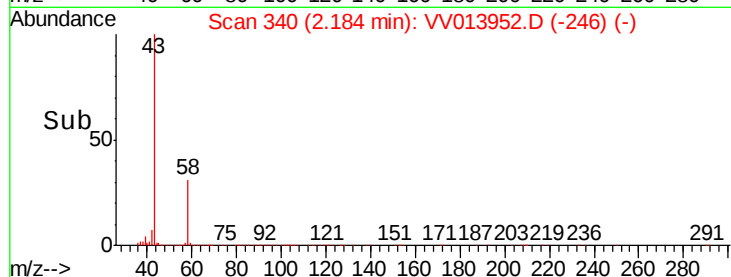
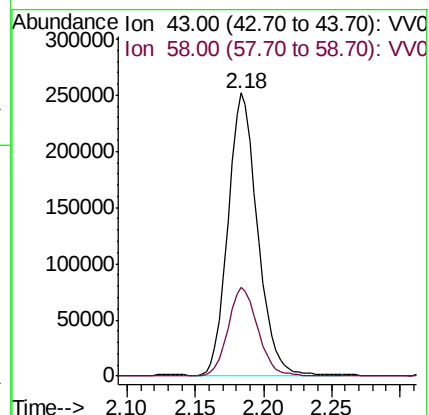
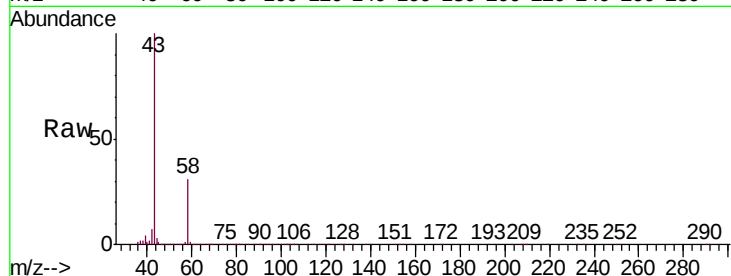
VSTD05073

Tgt Ion: 43 Resp: 376409

Ion Ratio Lower Upper

43 100

58 31.4 0.0 60.8



#14

Carbon disulfide

Concen: 48.079 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV013952.D

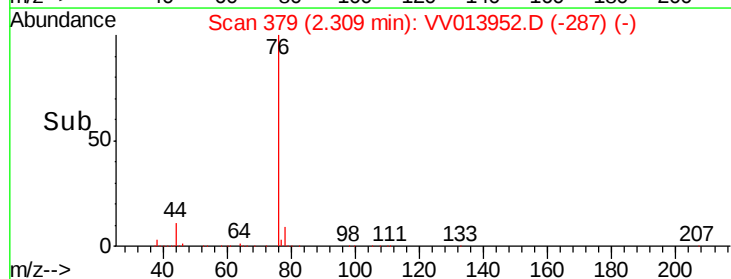
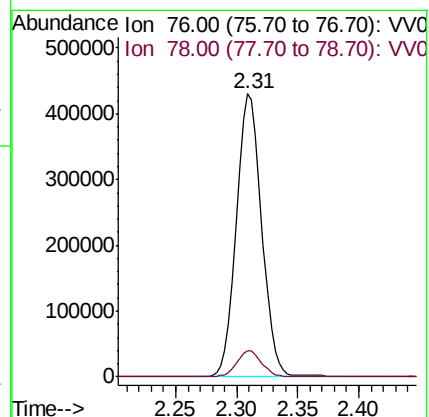
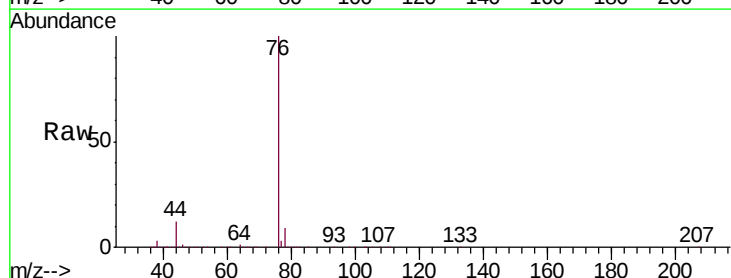
Acq: 09 Dec 2019 10:11

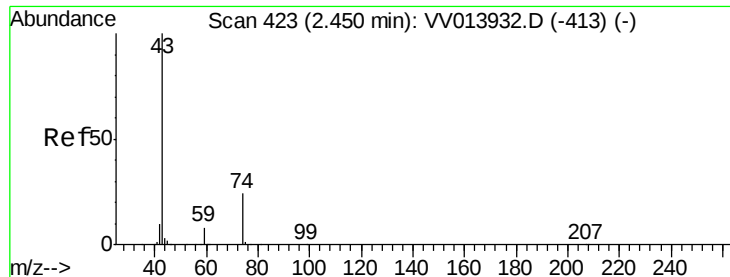
Tgt Ion: 76 Resp: 624512

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

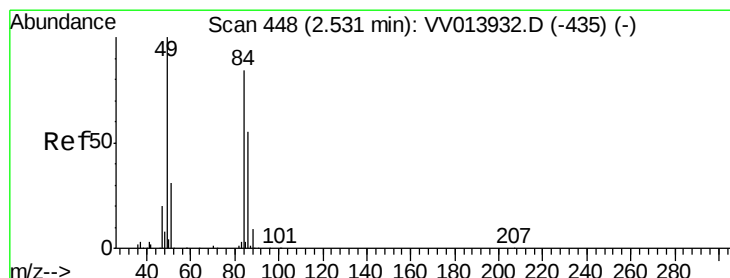
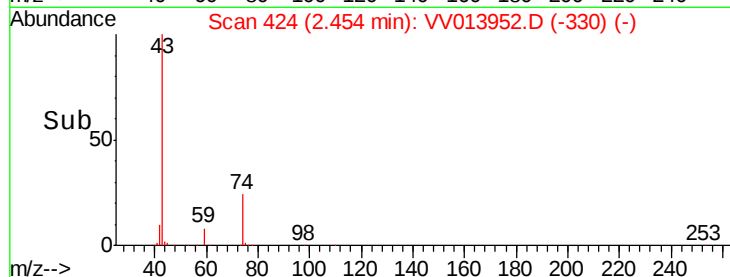
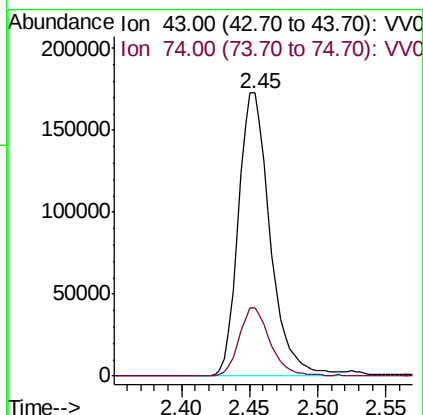
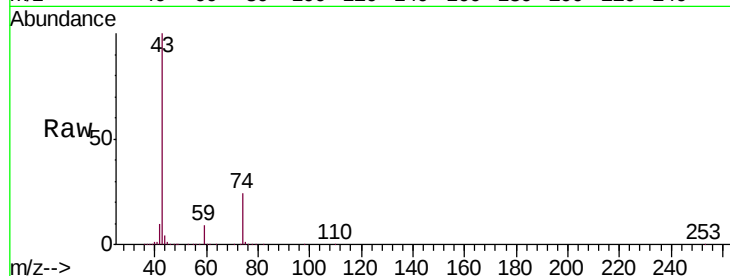




#15
Methyl Acetate
Concen: 56.012 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

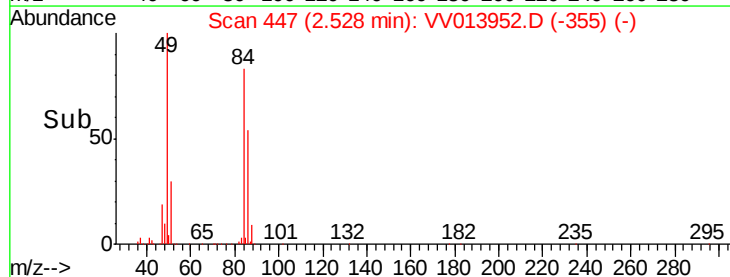
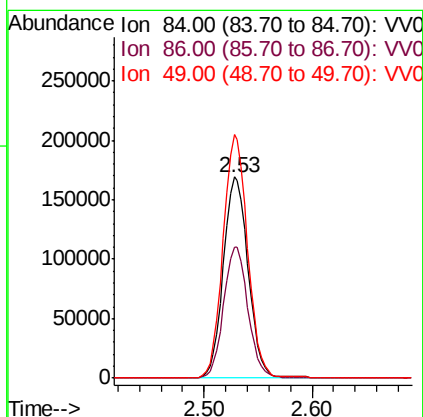
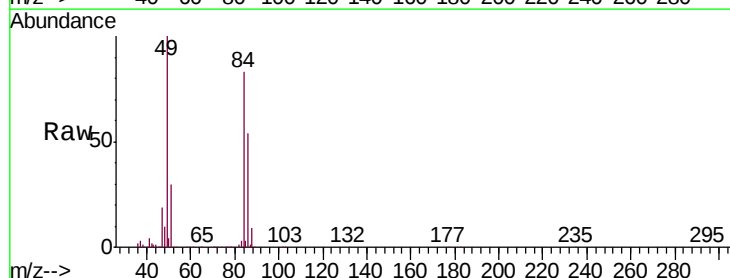
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

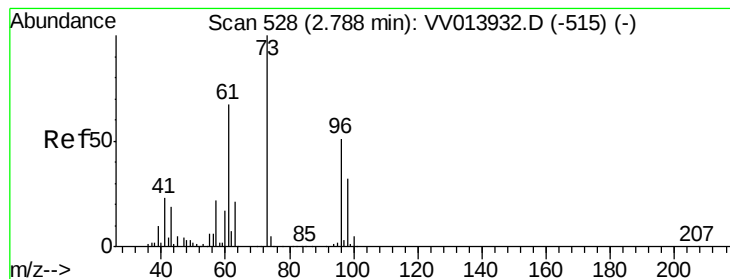
Tgt Ion: 43 Resp: 279204
Ion Ratio Lower Upper
43 100
74 23.6 19.3 28.9



#16
Methylene chloride
Concen: 53.106 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 84 Resp: 272392
Ion Ratio Lower Upper
84 100
86 65.4 43.9 81.5
49 121.1 79.7 147.9





#17

trans-1,2-Dichloroethene

Concen: 50.813 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

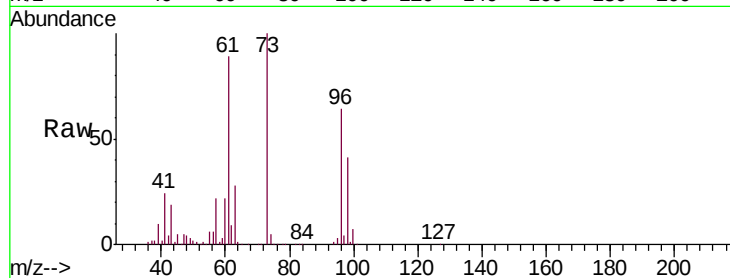
Tgt Ion: 96 Resp: 244806

Ion Ratio Lower Upper

96 100

61 139.8 92.2 171.2

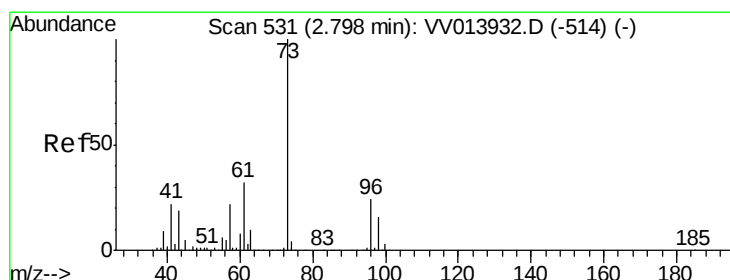
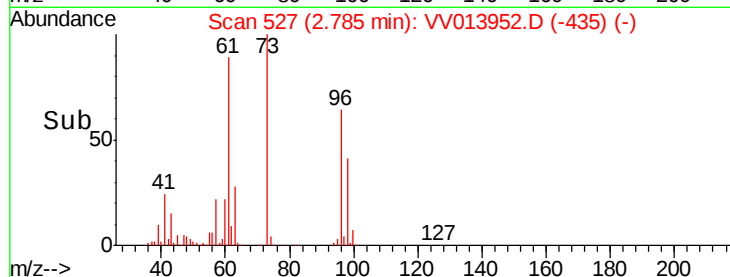
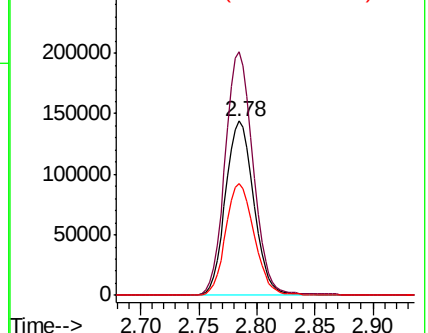
98 63.9 42.6 79.2



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 55.156 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

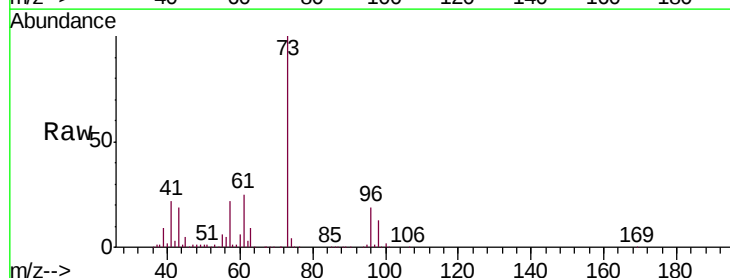
Tgt Ion: 73 Resp: 771154

Ion Ratio Lower Upper

73 100

43 18.6 15.0 22.6

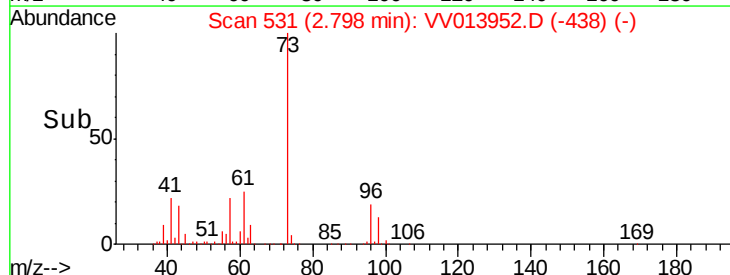
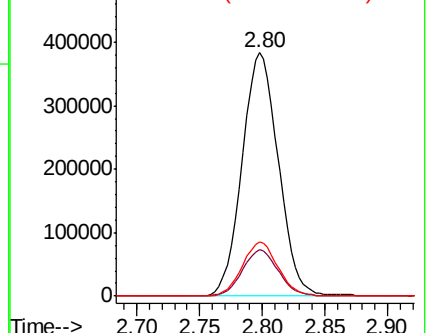
57 21.9 17.4 26.2

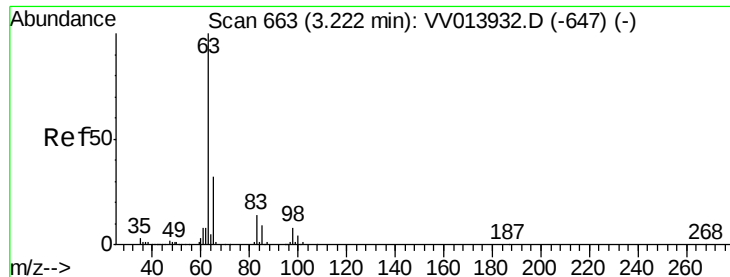


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

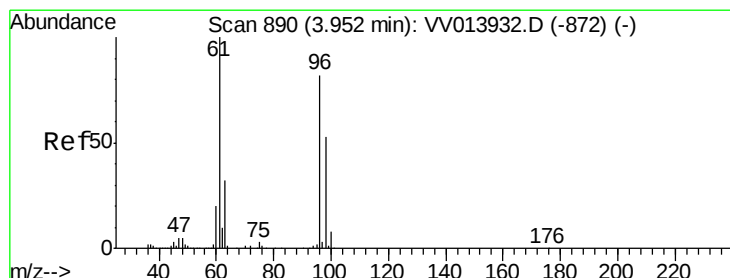
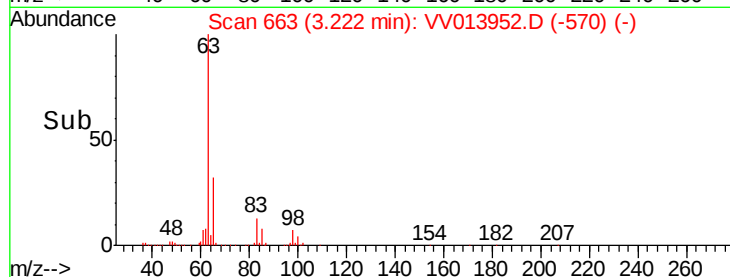
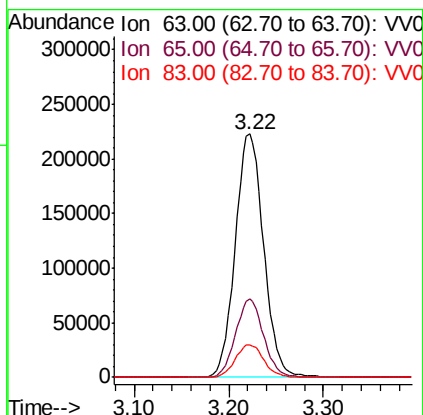
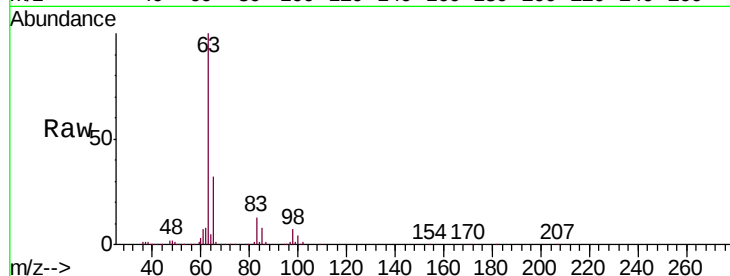




#19
 1,1-Dichloroethane
 Concen: 53.540 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

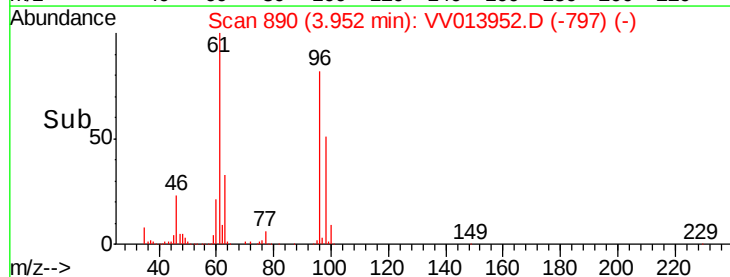
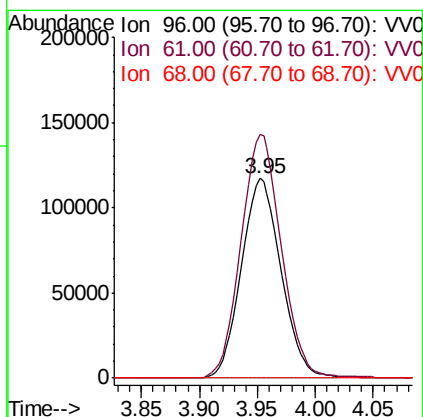
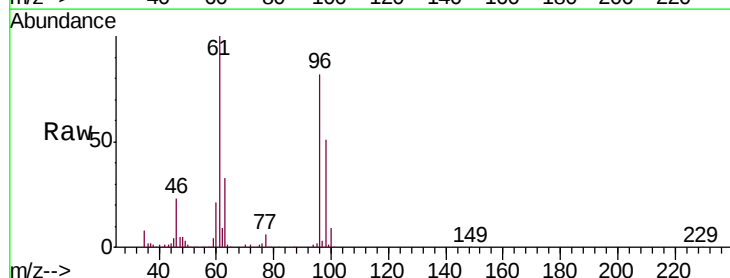
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

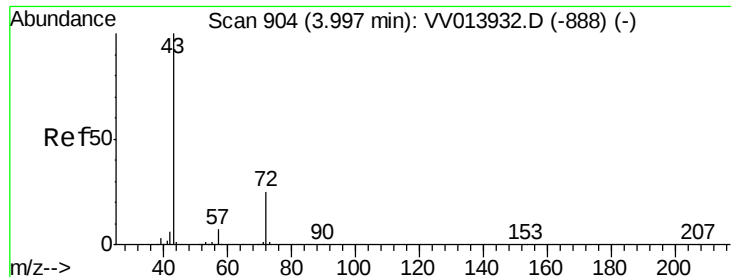
Tgt Ion: 63 Resp: 464726
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.5 39.9
 83 13.3 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 53.540 ug/L
 RT: 3.95 min Scan# 890
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Tgt Ion: 96 Resp: 279334
 Ion Ratio Lower Upper
 96 100
 61 122.0 85.3 158.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 112.182 ug/L

RT: 4.00 min Scan# 906

Delta R.T. 0.01 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

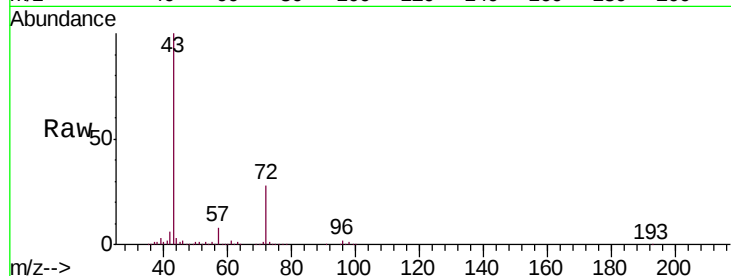
VSTD05073

Tgt Ion: 43 Resp: 435508

Ion Ratio Lower Upper

43 100

72 26.1 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV013952.D (-811) (-)

Ion 72.00 (71.70 to 72.70): VV013952.D (-811) (-)

4.00

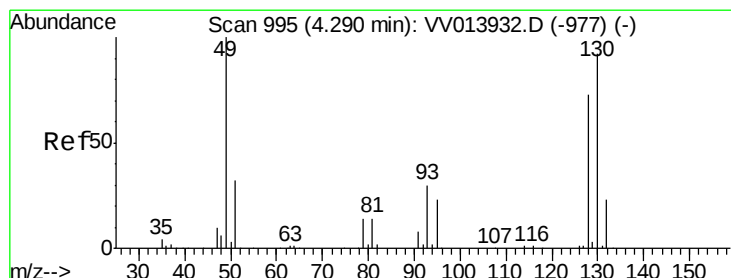
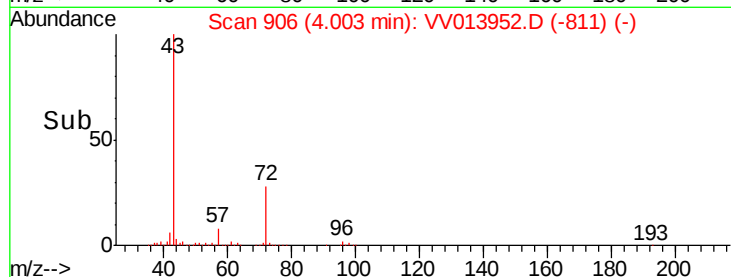
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 52.793 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Tgt Ion: 128 Resp: 152176

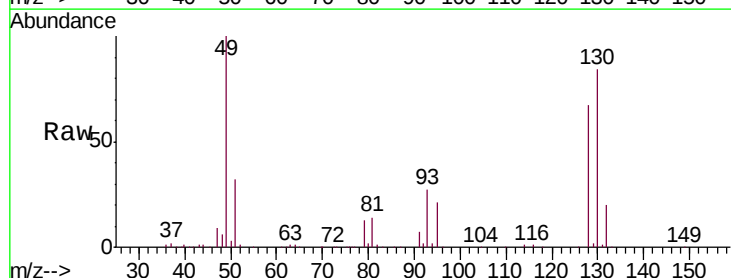
Ion Ratio Lower Upper

128 100

49 148.7 100.4 186.4

130 124.8 88.3 163.9

51 47.1 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV013952.D (-902) (-)

Ion 49.00 (48.70 to 49.70): VV013952.D (-902) (-)

Ion 130.00 (129.70 to 130.70): VV013952.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VV013952.D (-902) (-)

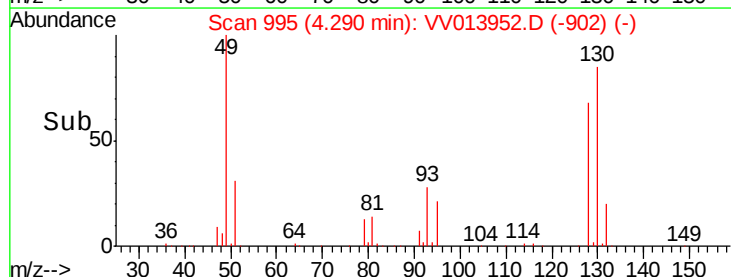
150000

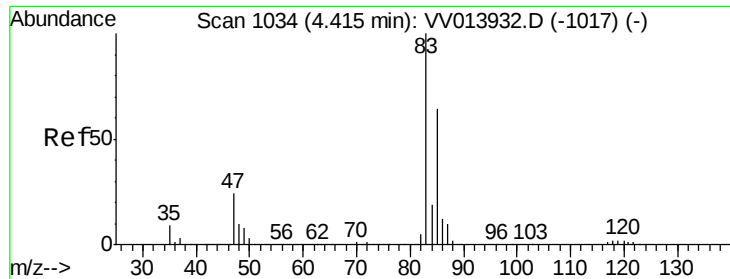
100000

50000

0

Time-->

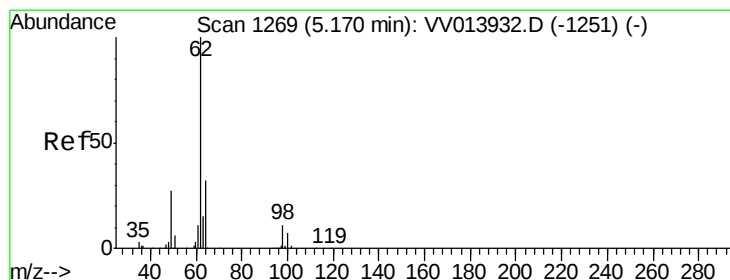
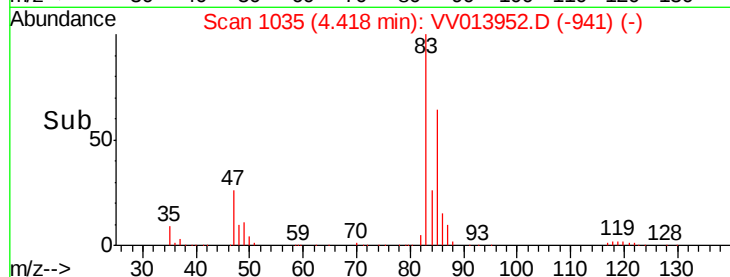
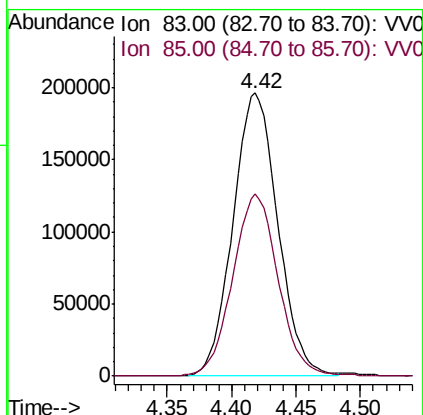
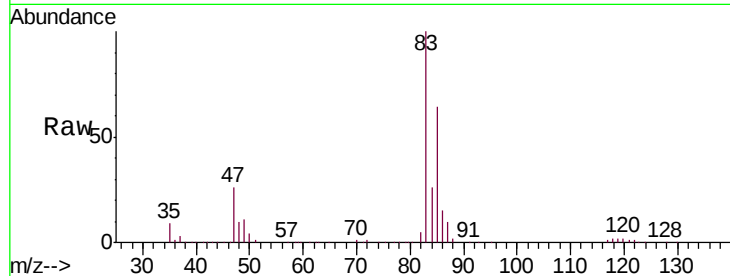




#25
Chloroform
Concen: 51.285 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

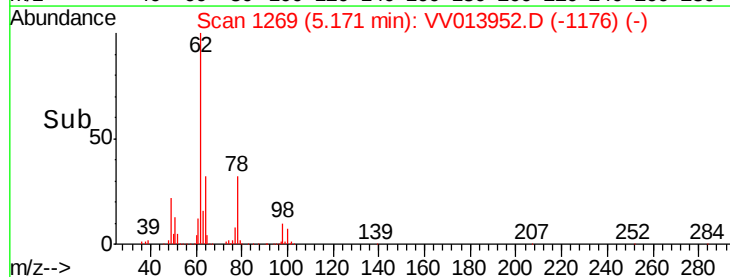
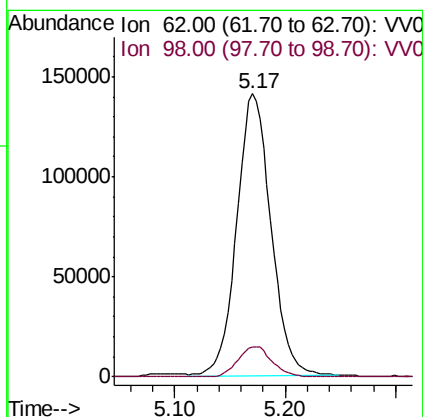
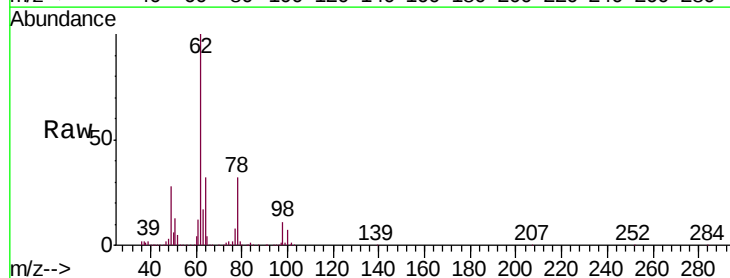
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

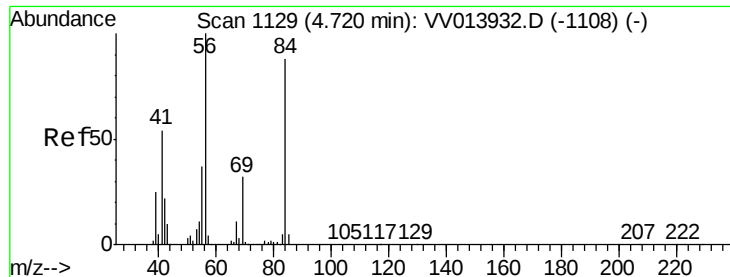
Tgt Ion: 83 Resp: 475891
Ion Ratio Lower Upper
83 100
85 64.2 45.7 84.9



#27
1,2-Dichloroethane
Concen: 45.304 ug/L
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 62 Resp: 302925
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7

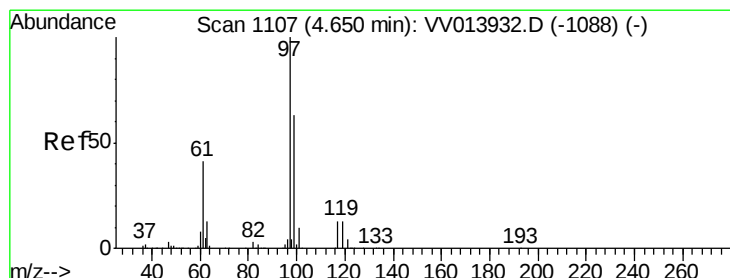
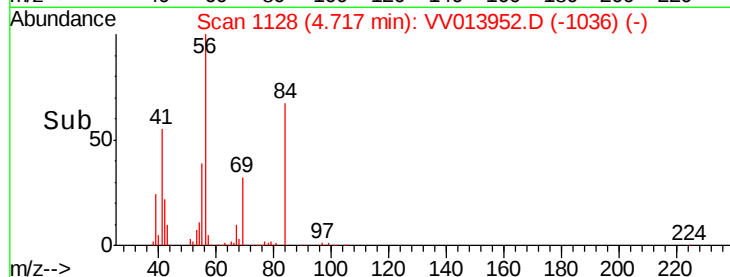
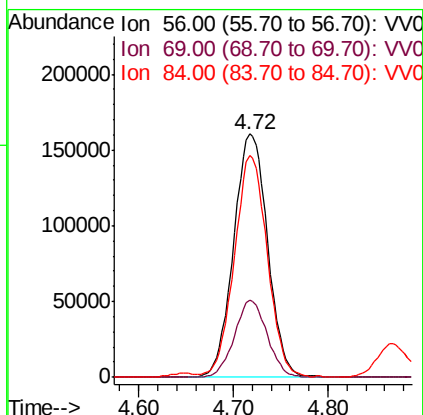
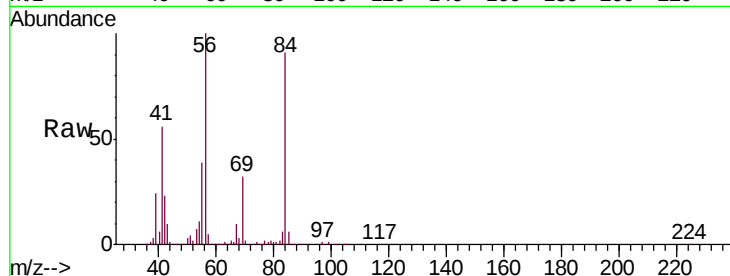




#29
Cyclohexane
Concen: 54.374 ug/L
RT: 4.72 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

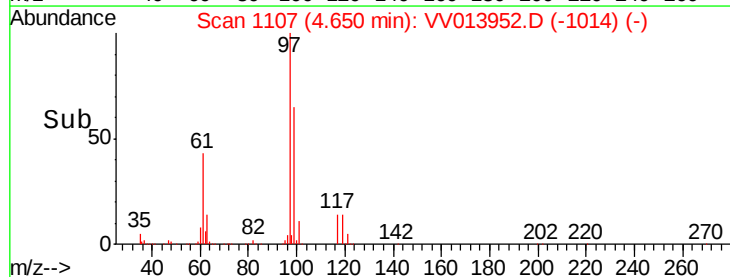
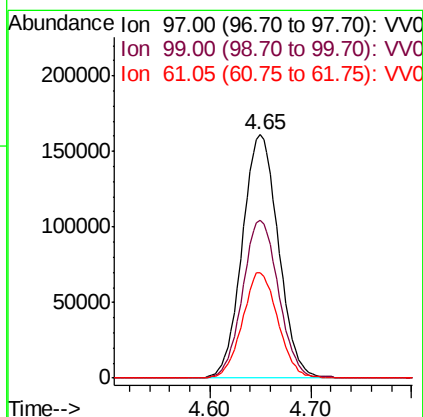
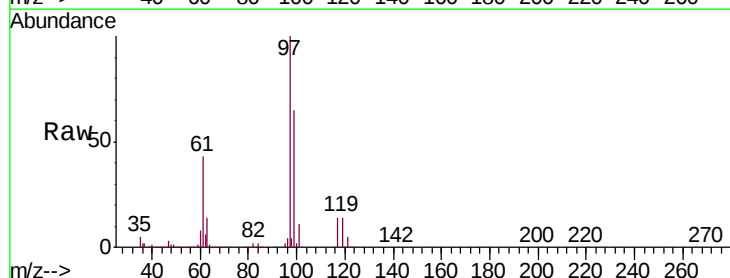
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

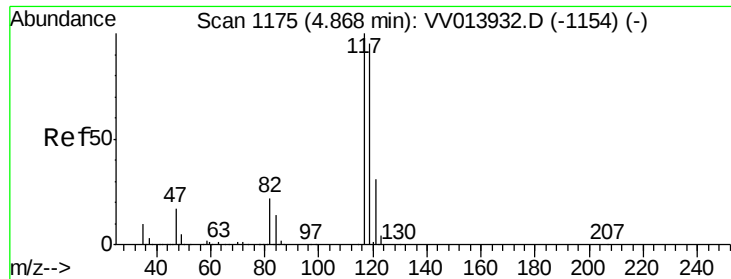
Tgt Ion: 56 Resp: 401330
Ion Ratio Lower Upper
56 100
69 30.5 24.9 37.3
84 88.2 71.0 106.4



#30
1,1,1-Trichloroethane
Concen: 52.439 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 97 Resp: 399934
Ion Ratio Lower Upper
97 100
99 64.5 51.4 77.2
61 42.6 33.2 49.8

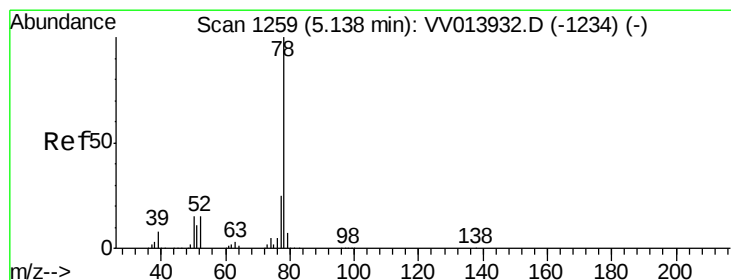
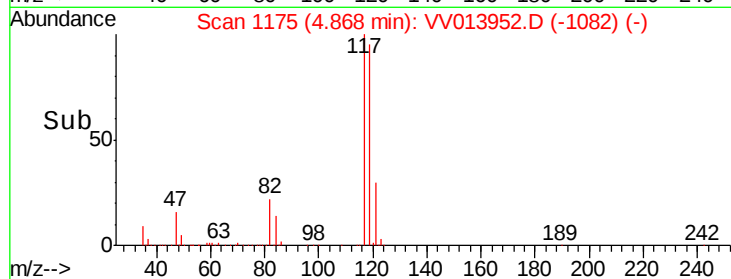
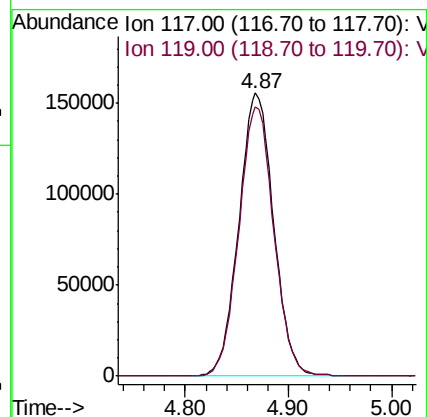
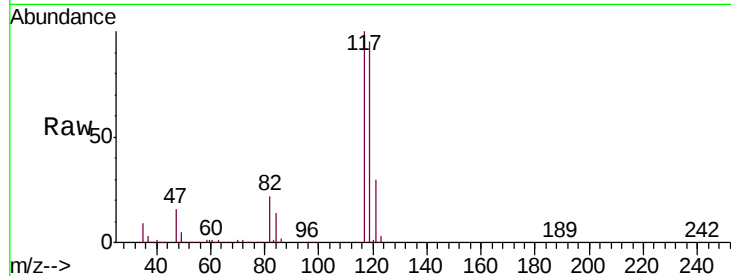




#31
Carbon tetrachloride
Concen: 53.510 ug/L
RT: 4.87 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

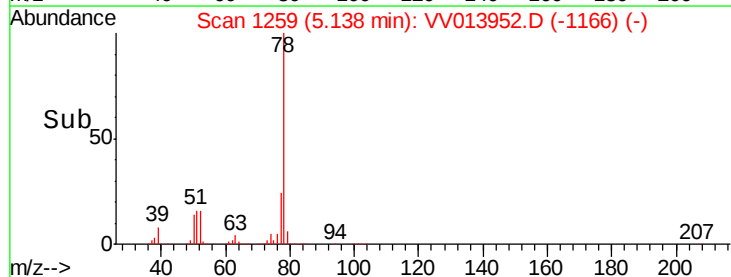
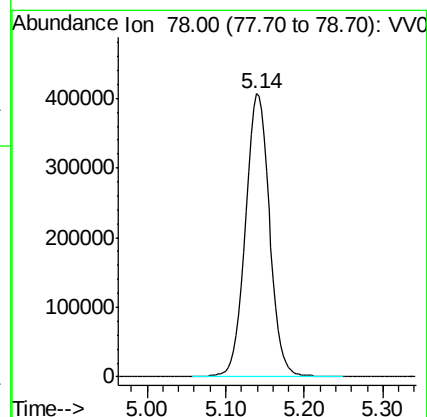
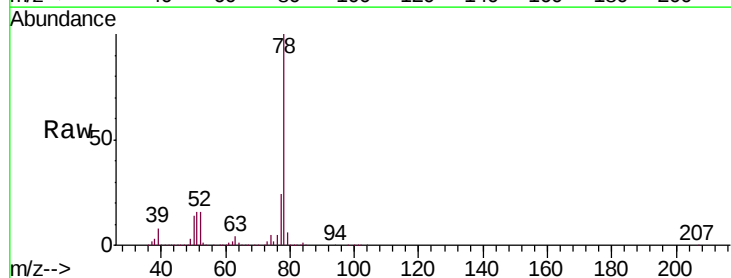
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

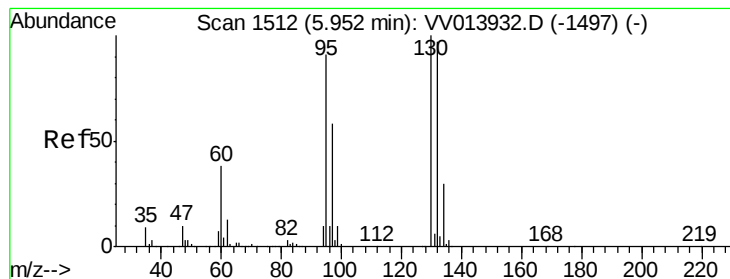
Tgt Ion:117 Resp: 364550
Ion Ratio Lower Upper
117 100
119 95.7 77.9 116.9



#33
Benzene
Concen: 46.696 ug/L
RT: 5.14 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 78 Resp: 878510





#34

Trichloroethene

Concen: 47.920 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

Tgt Ion: 95 Resp: 241803

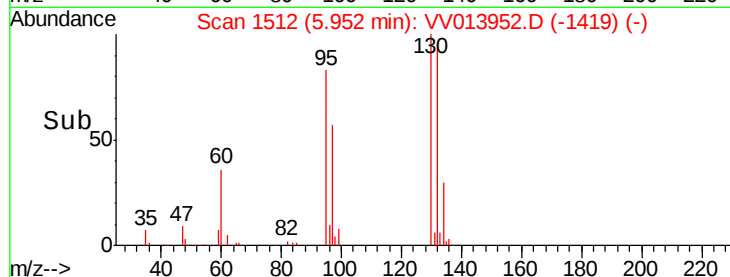
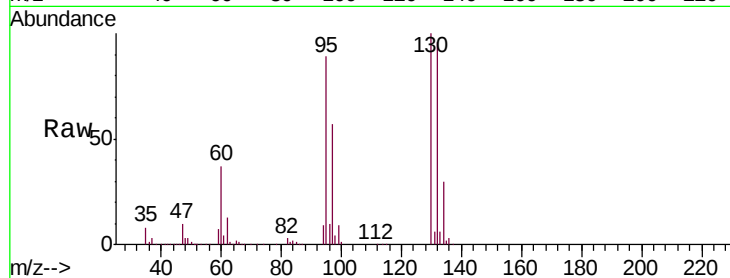
Ion Ratio Lower Upper

95 100

97 63.6 45.4 84.4

132 106.9 73.7 136.9

130 111.9 77.1 143.1

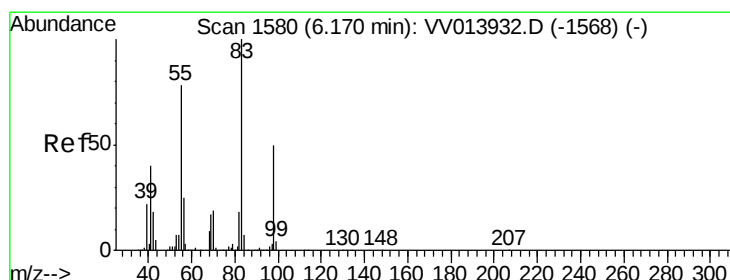
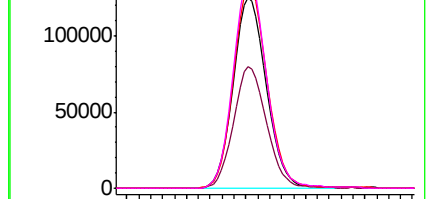


Abundance Ion 95.00 (94.70 to 95.70): VV013952.D (-1419) (-)

Ion 97.00 (96.70 to 97.70): VV013952.D (-1419) (-)

Ion 132.00 (131.70 to 132.70): VV013952.D (-1419) (-)

Ion 130.00 (129.70 to 130.70): VV013952.D (-1419) (-)



#35

Methylcyclohexane

Concen: 47.649 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

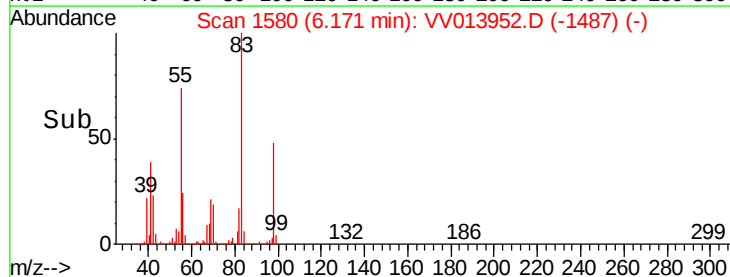
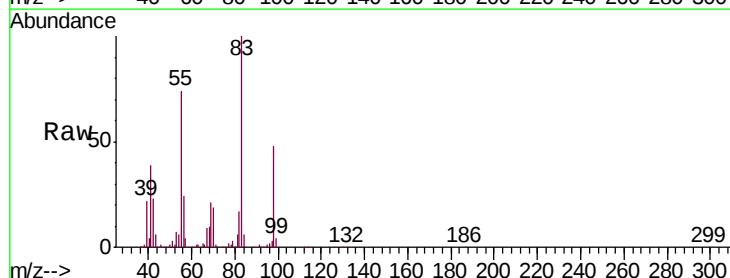
Tgt Ion: 83 Resp: 360747

Ion Ratio Lower Upper

83 100

55 74.2 61.0 91.4

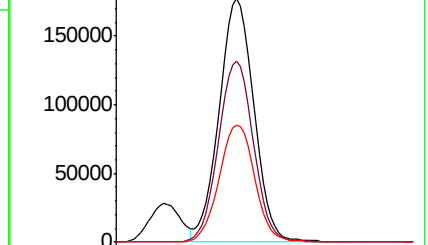
98 49.0 39.6 59.4

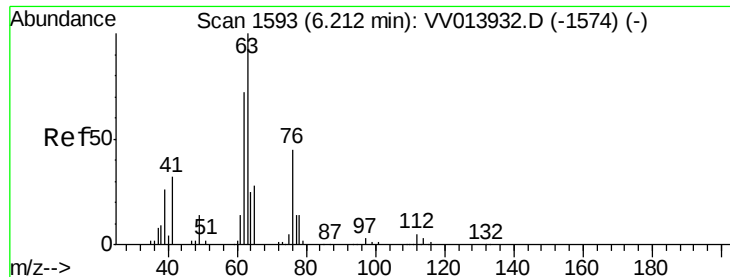


Abundance Ion 83.00 (82.70 to 83.70): VV013952.D (-1487) (-)

Ion 55.00 (54.70 to 55.70): VV013952.D (-1487) (-)

Ion 98.00 (97.70 to 98.70): VV013952.D (-1487) (-)





#37

1,2-Dichloropropane

Concen: 48.480 ug/L

RT: 6.21 min Scan# 1593

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

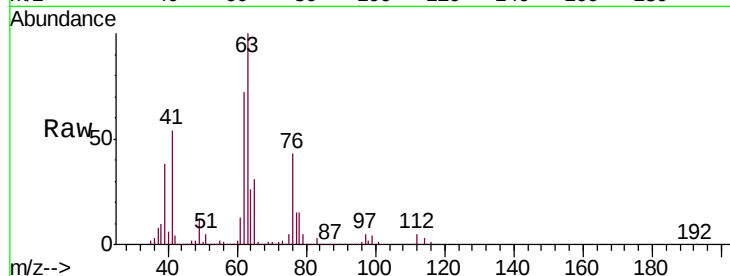
VSTD05073

Tgt Ion: 63 Resp: 220747

Ion Ratio Lower Upper

63 100

112 5.2 4.2 6.2



Abundance Ion 63.00 (62.70 to 63.70): VV013932.D (-1574) (-)

Ion 112.00 (111.70 to 112.70): VV013932.D (-1574) (-)

6.21

120000

100000

80000

60000

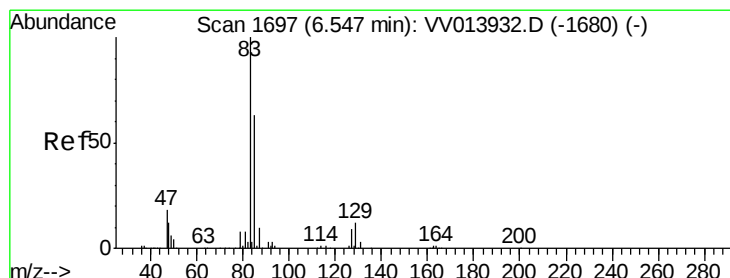
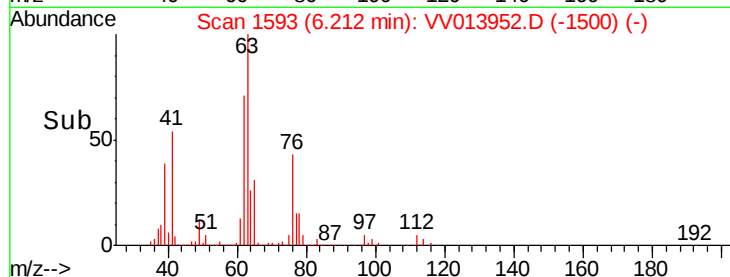
40000

20000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 45.811 ug/L

RT: 6.55 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

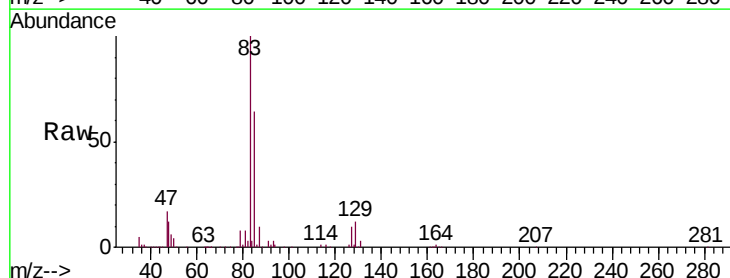
Tgt Ion: 83 Resp: 295823

Ion Ratio Lower Upper

83 100

85 64.1 44.8 83.2

127 9.6 7.7 11.5



Abundance Ion 83.00 (82.70 to 83.70): VV013932.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV013932.D (-1680) (-)

Ion 127.00 (126.70 to 127.70): VV013932.D (-1680) (-)

6.55

200000

150000

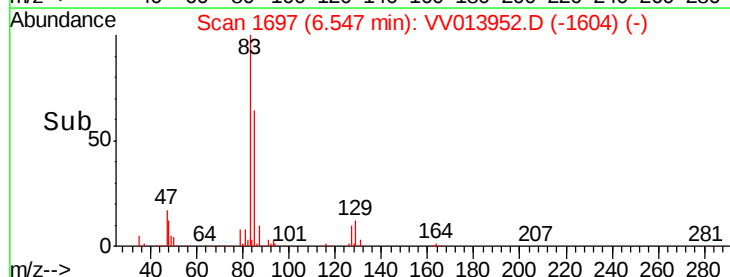
100000

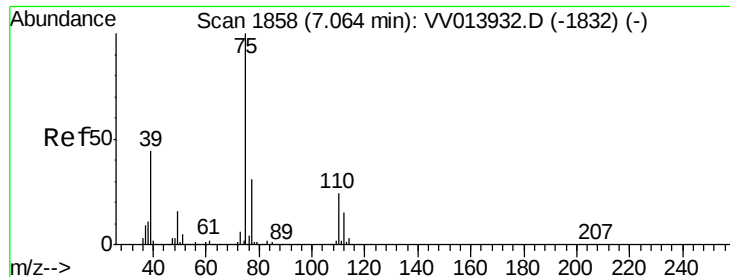
50000

0

6.50 6.55 6.60

Time-->

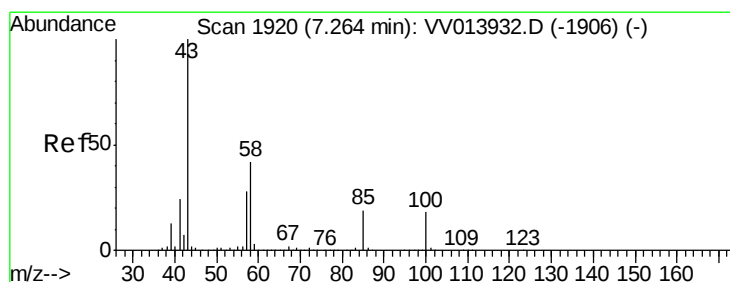
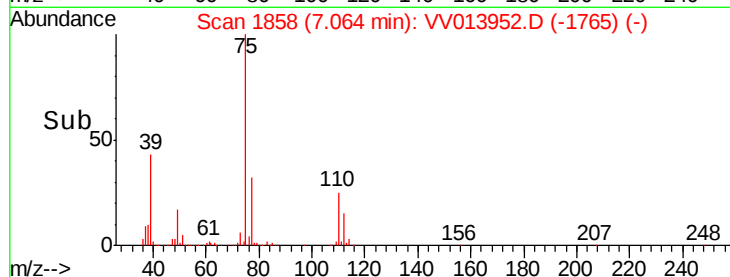
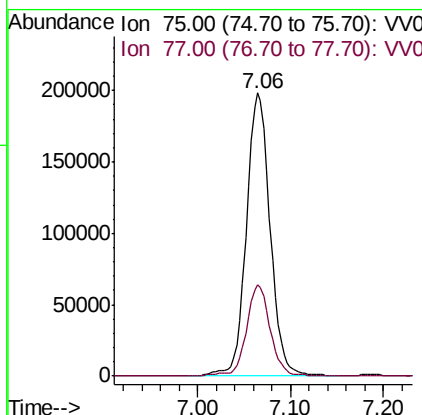
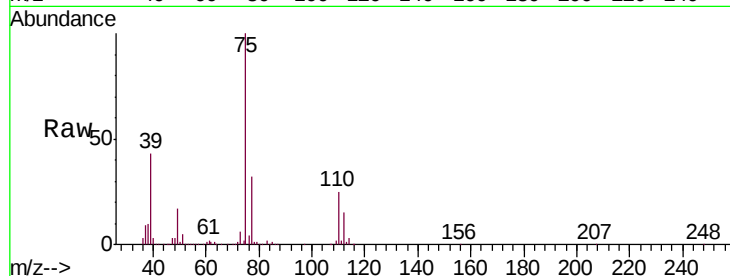




#39
 cis-1,3-Dichloropropene
 Concen: 49.181 ug/L
 RT: 7.06 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

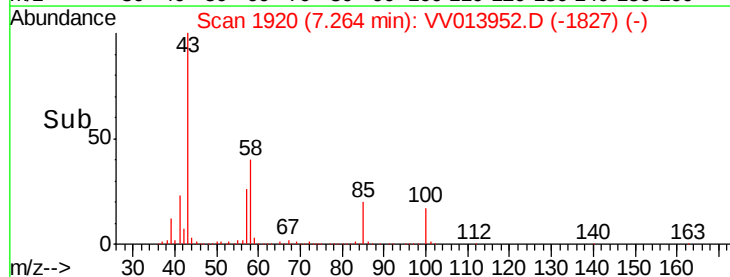
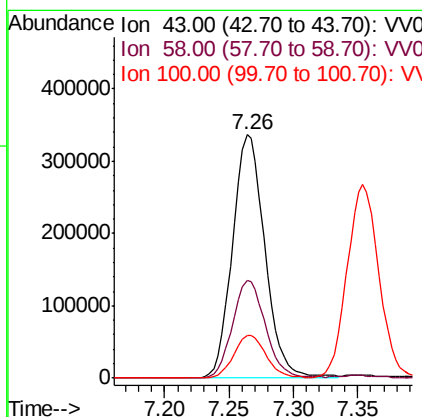
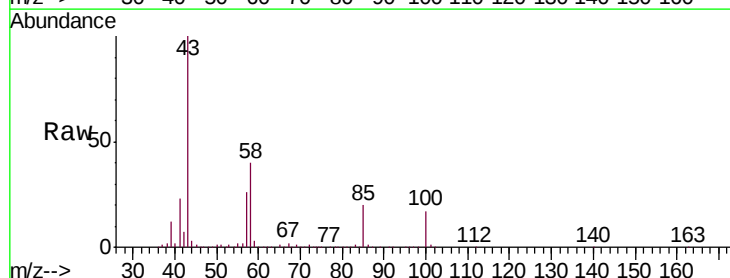
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

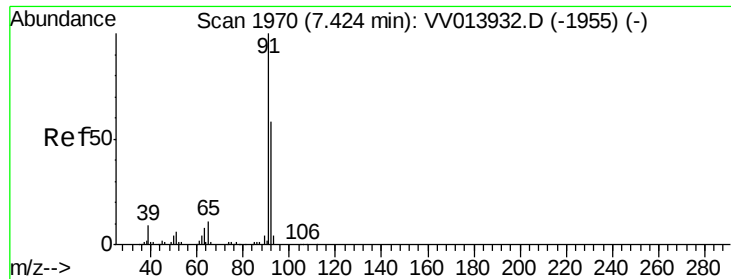
Tgt Ion: 75 Resp: 352537
 Ion Ratio Lower Upper
 75 100
 77 32.2 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 99.483 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Tgt Ion: 43 Resp: 589037
 Ion Ratio Lower Upper
 43 100
 58 40.7 31.9 47.9
 100 17.5 13.7 20.5





#42

Toluene

Concen: 49.212 ug/L

RT: 7.42 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

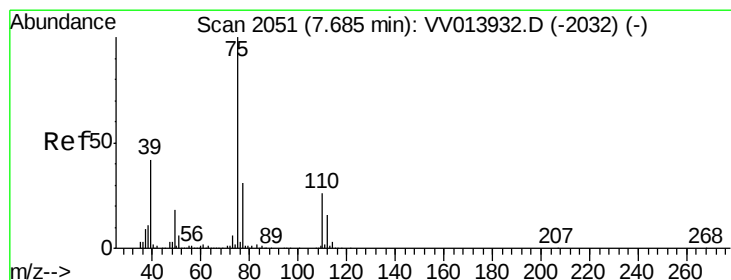
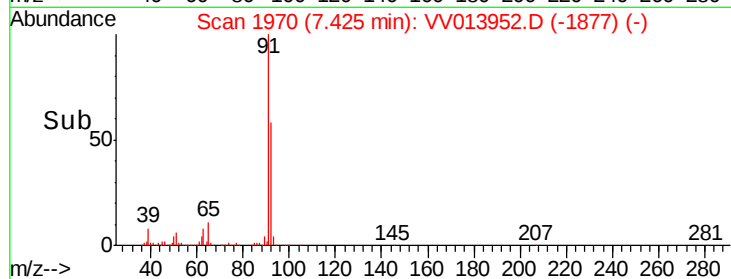
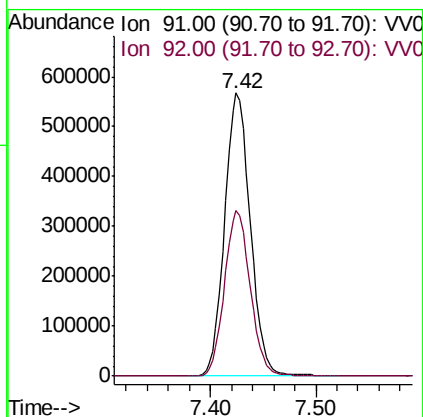
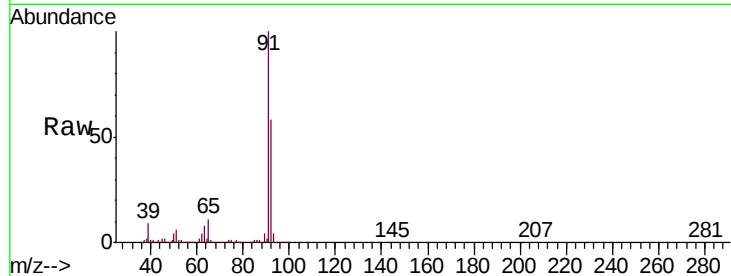
VSTD05073

Tgt Ion: 91 Resp: 955265

Ion Ratio Lower Upper

91 100

92 58.4 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 47.560 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV013952.D

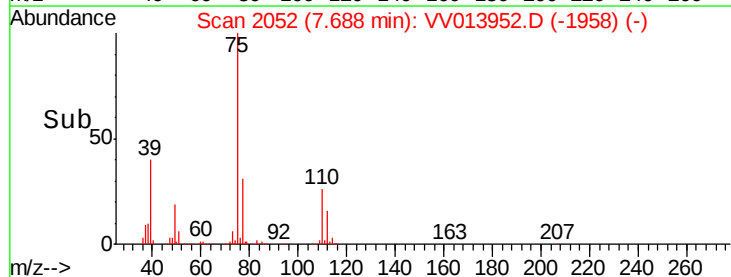
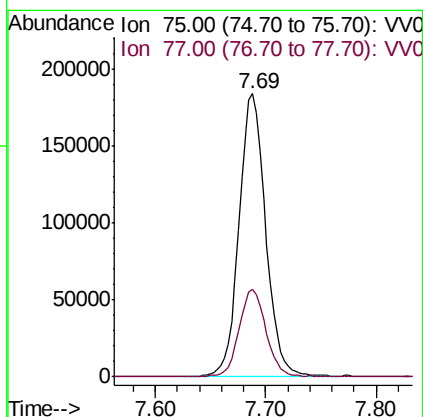
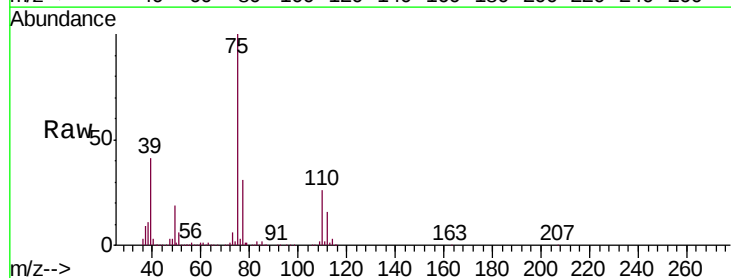
Acq: 09 Dec 2019 10:11

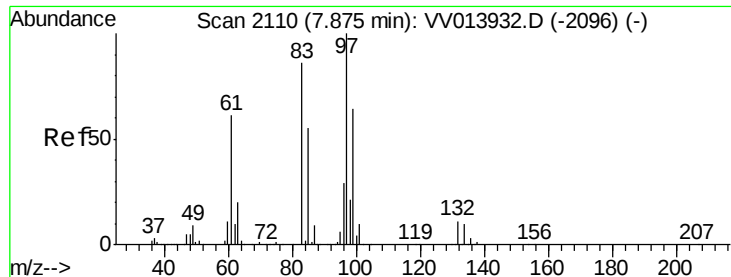
Tgt Ion: 75 Resp: 308718

Ion Ratio Lower Upper

75 100

77 30.9 22.9 42.5

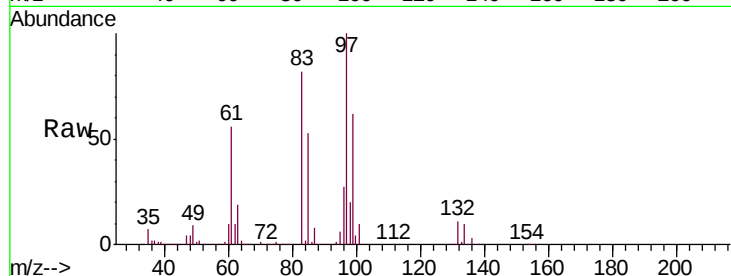




#45
 1,1,2-Trichloroethane
 Concen: 49.792 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	97	Resp:	225047
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.0	80.0
83	82.0	57.5	106.9
85	53.0	35.6	66.2



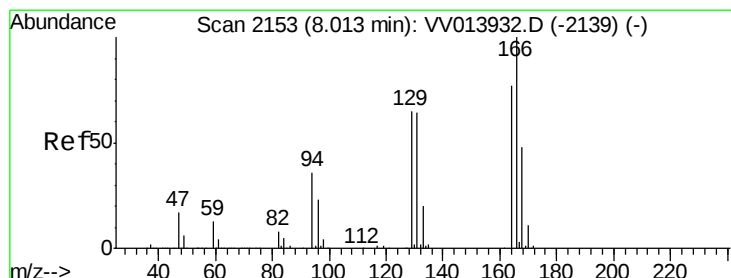
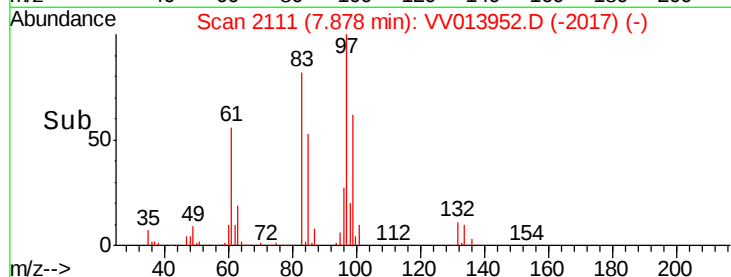
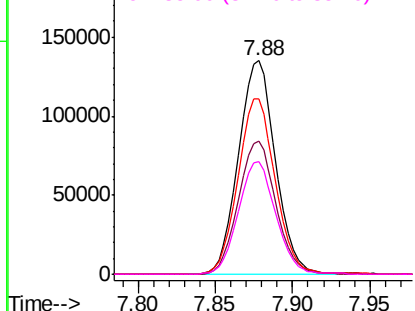
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

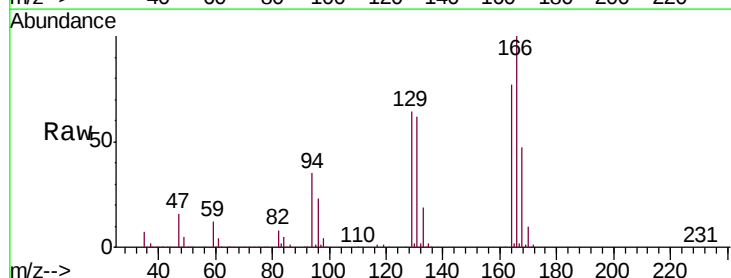
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 47.951 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Tgt Ion:	164	Resp:	218337
Ion	Ratio	Lower	Upper
164	100		
129	83.5	61.7	114.7
131	80.8	58.4	108.6
166	129.6	93.4	173.6



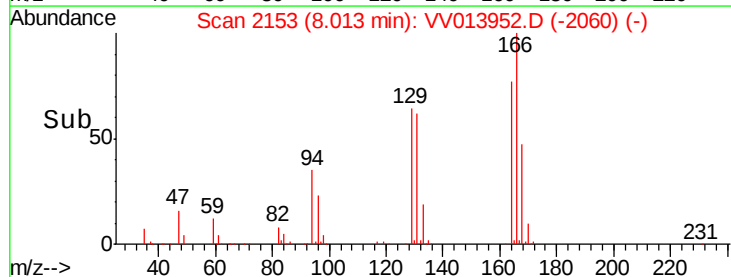
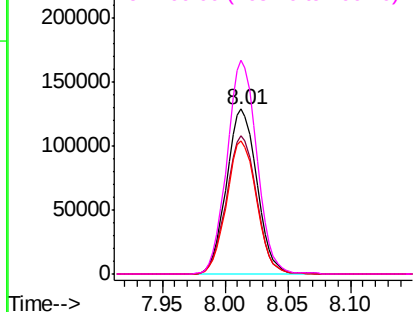
Abundance

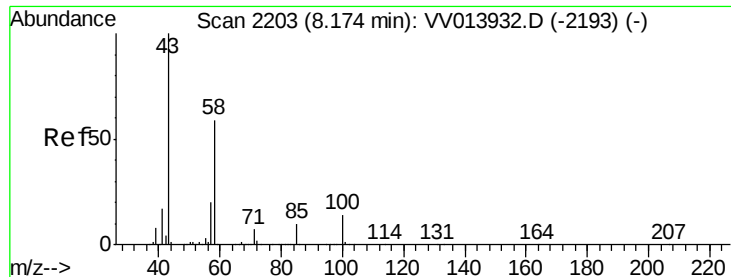
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

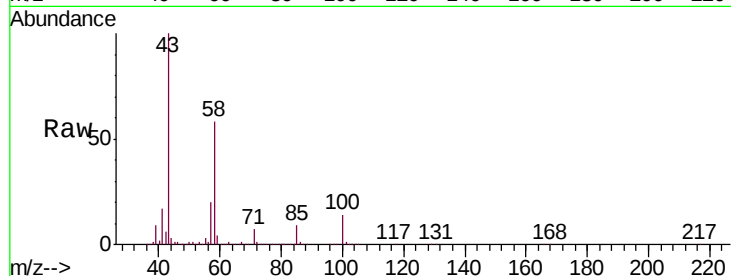




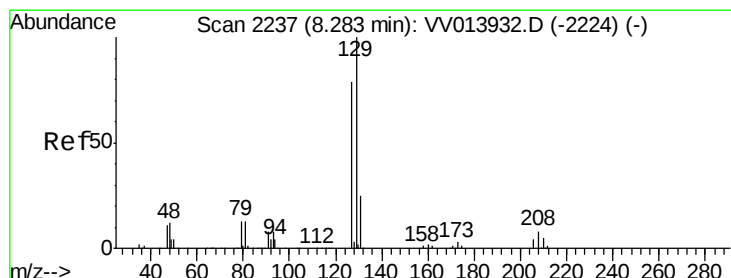
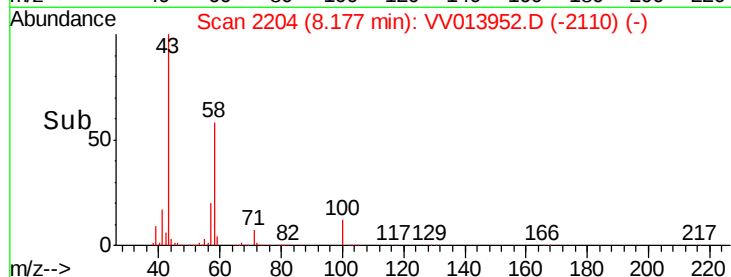
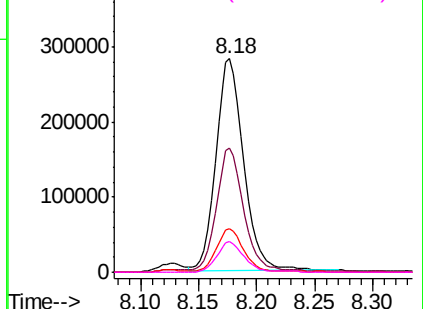
#48
2-Hexanone
Concen: 99.999 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tgt Ion: 43 Resp: 473644
Ion Ratio Lower Upper
43 100
58 55.4 48.4 72.6
57 19.7 16.6 24.8
100 13.8 11.9 17.9

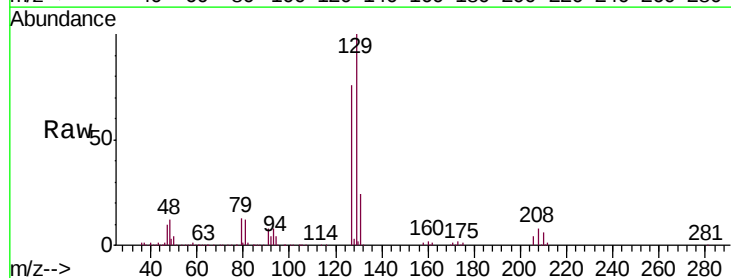


Abundance Ion 43.00 (42.70 to 43.70): VV013952.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV013952.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV013952.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV013952.D (-2193) (-)

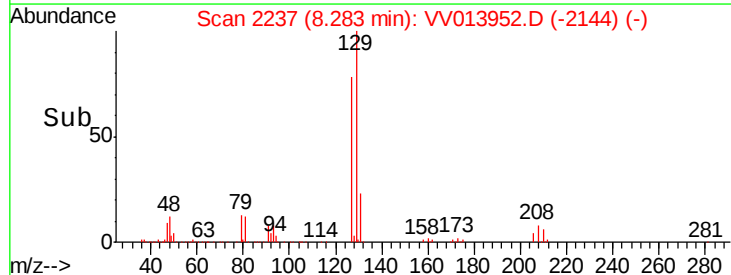
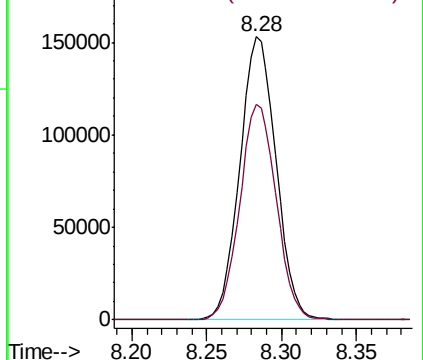


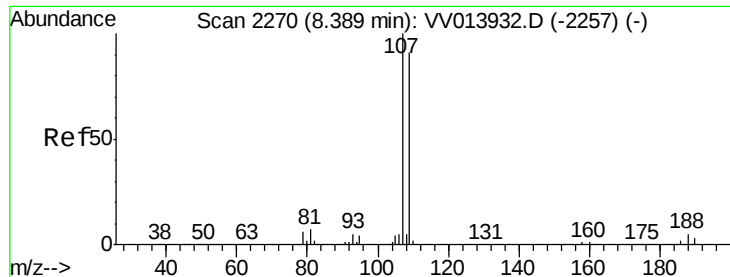
#49
Dibromochloromethane
Concen: 46.751 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 129 Resp: 258292
Ion Ratio Lower Upper
129 100
127 76.1 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): VV013952.D (-2144) (-)
Ion 127.00 (126.70 to 127.70): VV013952.D (-2144) (-)

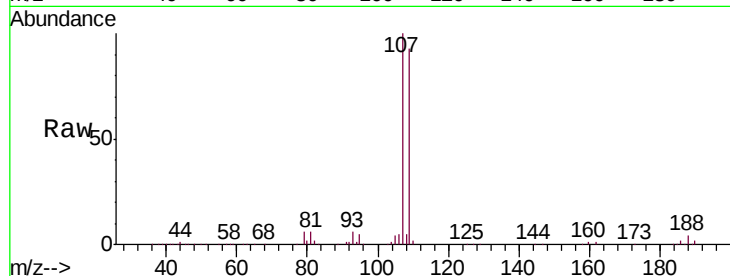




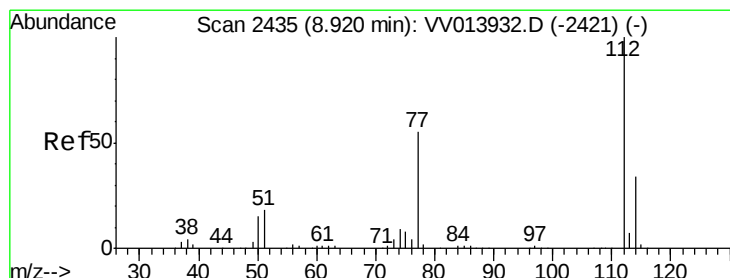
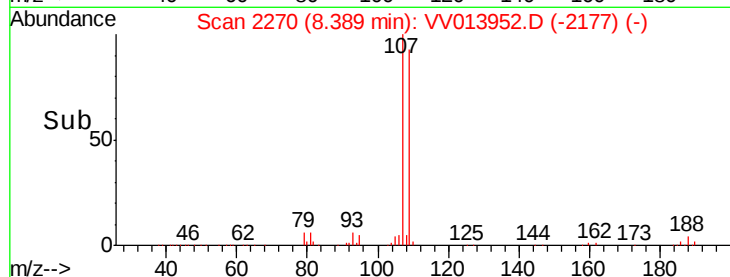
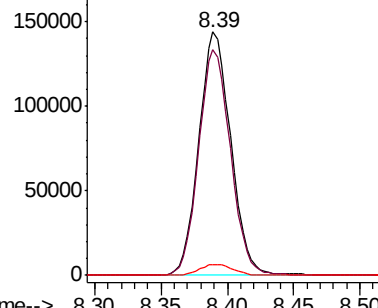
#50
1,2-Dibromoethane
Concen: 48.431 ug/L
RT: 8.39 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.8	65.9	122.5
188	4.4	3.6	5.4

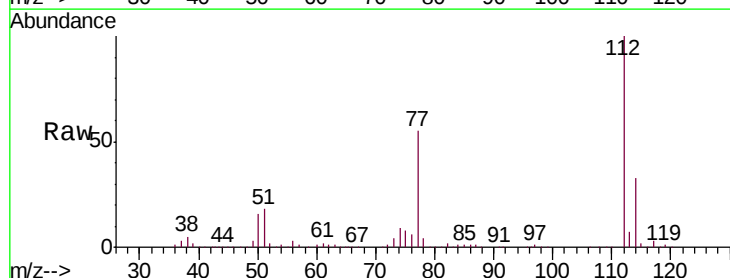


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

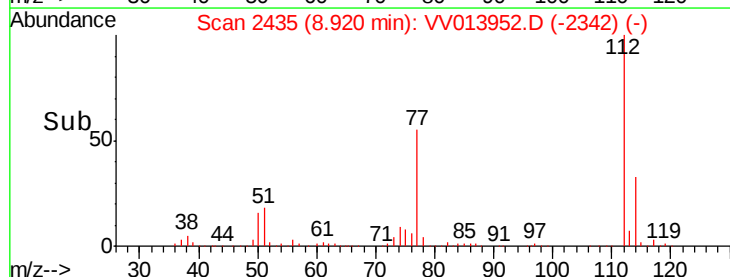
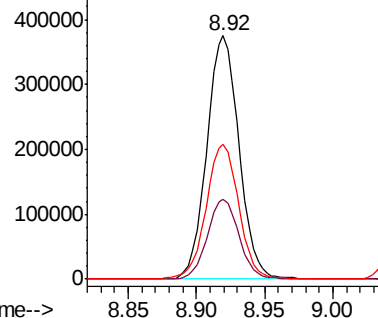


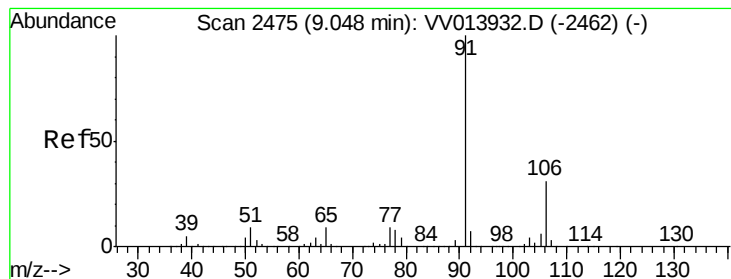
#51
Chlorobenzene
Concen: 45.850 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	23.2	43.2
77	55.5	45.0	67.4



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): VV0





#52

Ethylbenzene

Concen: 47.538 ug/L

RT: 9.05 min Scan# 2475

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

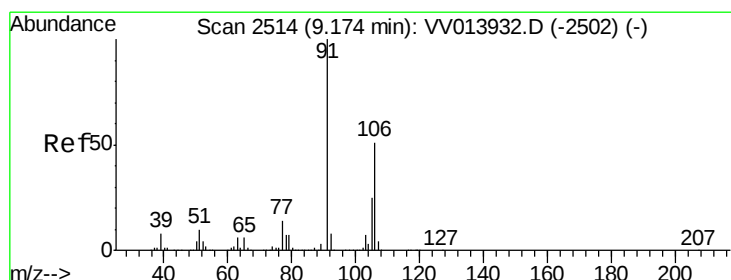
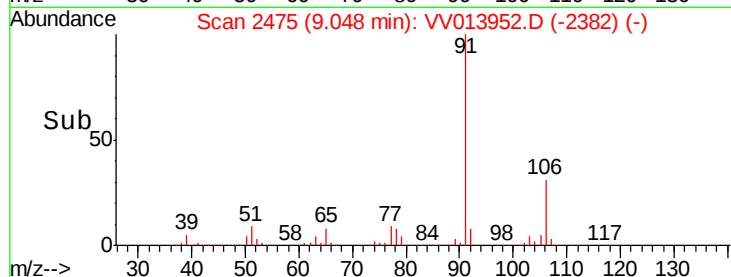
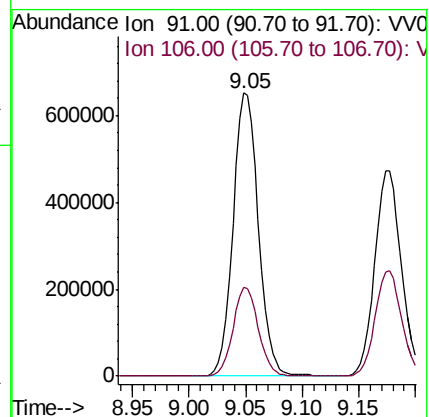
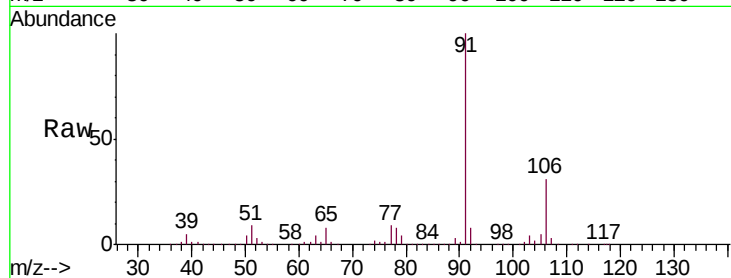
VSTD05073

Tgt Ion: 91 Resp: 1017257

Ion Ratio Lower Upper

91 100

106 31.2 21.8 40.4



#53

m,p-Xylene

Concen: 47.474 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013952.D

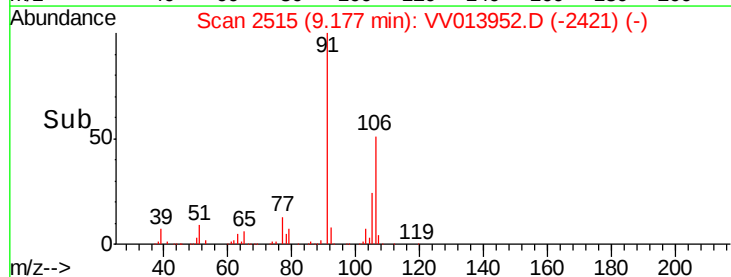
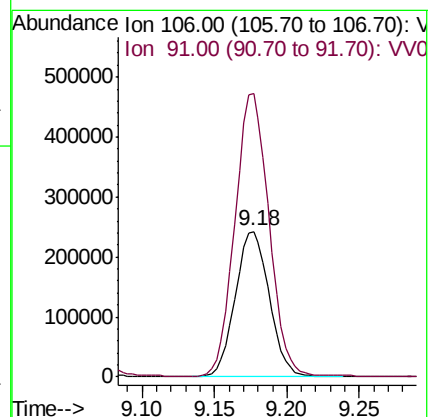
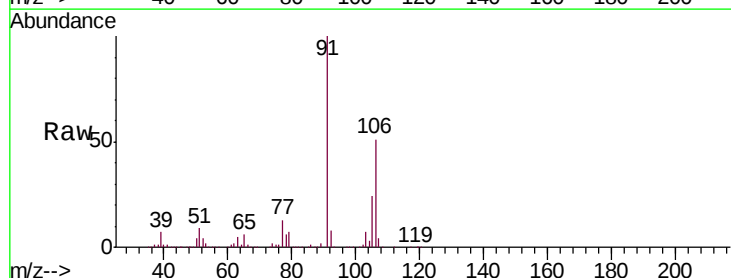
Acq: 09 Dec 2019 10:11

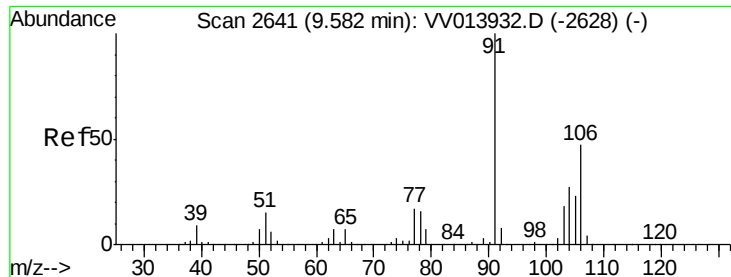
Tgt Ion: 106 Resp: 392851

Ion Ratio Lower Upper

106 100

91 194.3 139.4 259.0





#54

o-xylene

Concen: 46.323 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

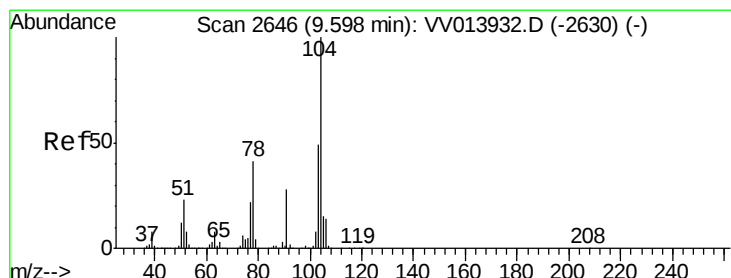
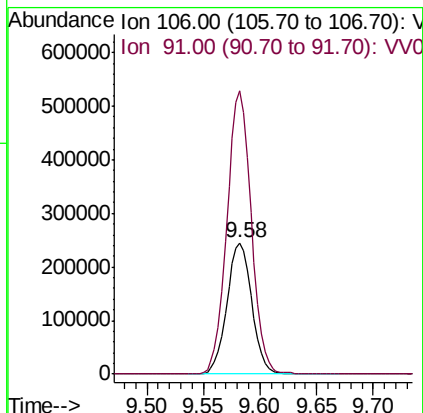
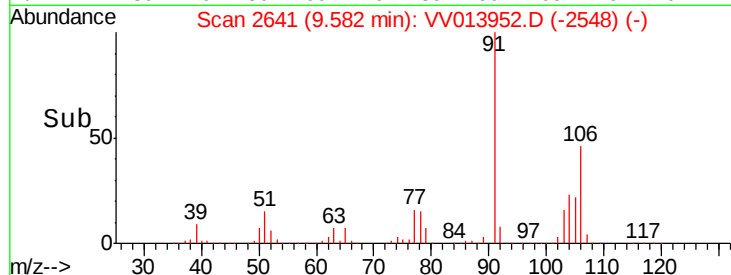
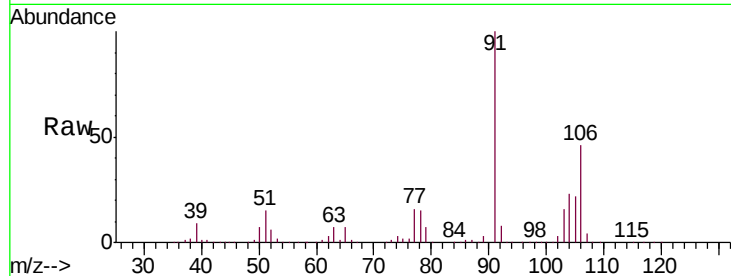
VSTD05073

Tgt Ion:106 Resp: 374803

Ion Ratio Lower Upper

106 100

91 216.0 147.1 273.1



#55

Styrene

Concen: 46.281 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013952.D

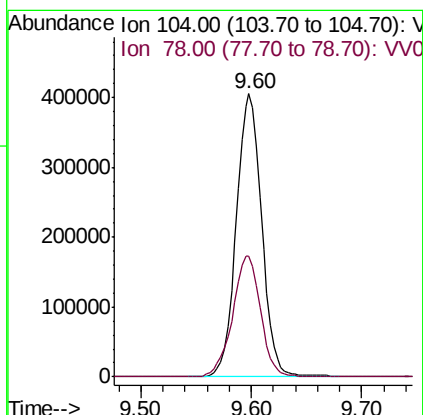
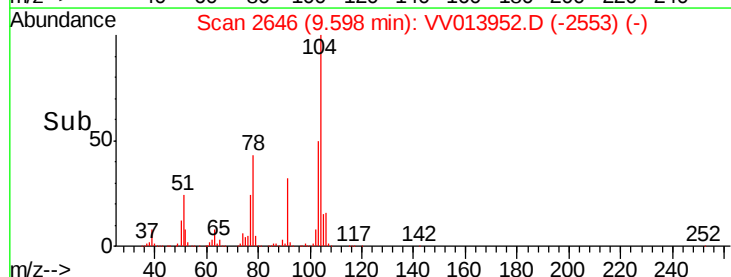
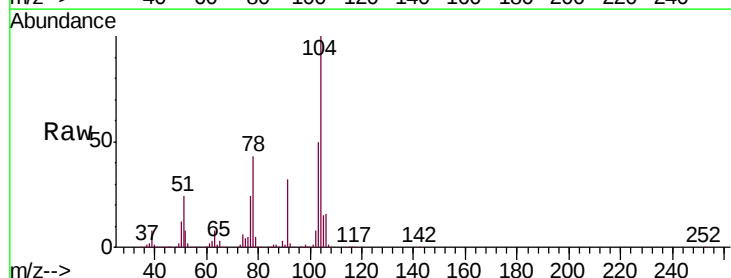
Acq: 09 Dec 2019 10:11

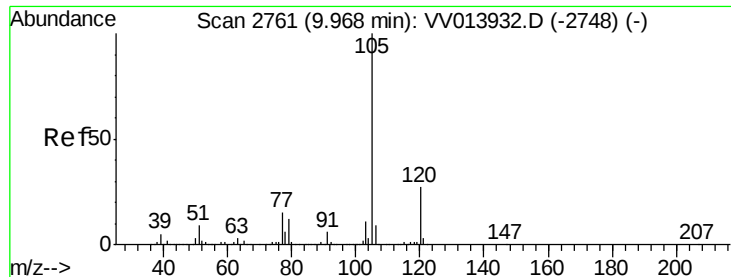
Tgt Ion:104 Resp: 646051

Ion Ratio Lower Upper

104 100

78 42.6 29.3 54.5

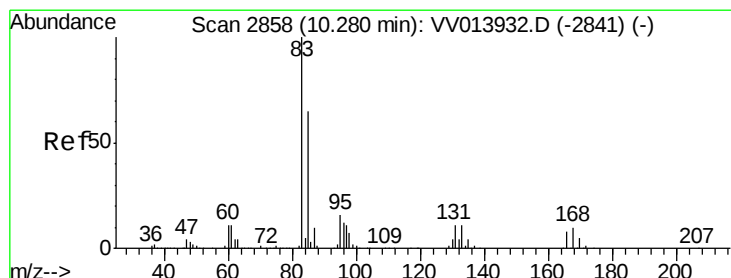
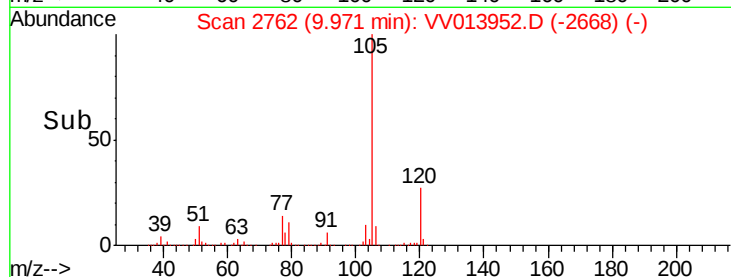
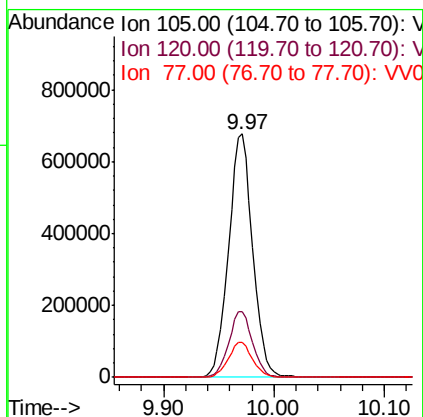
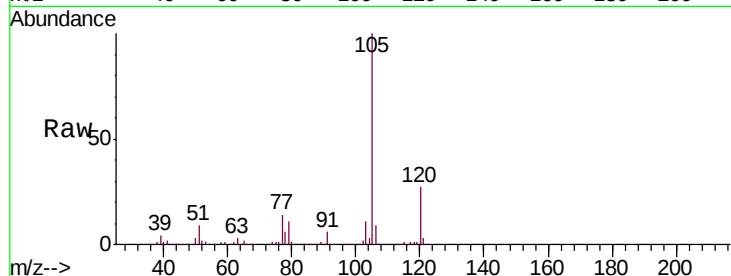




#56
Isopropylbenzene
Concen: 46.987 ug/L
RT: 9.97 min Scan# 2762
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

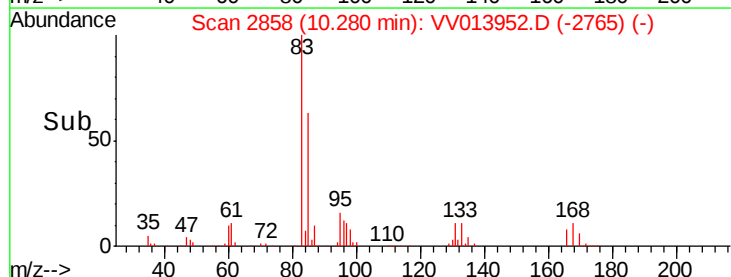
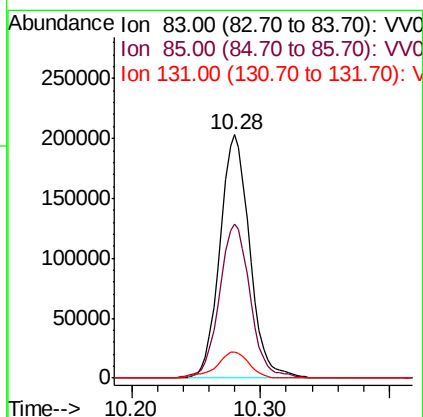
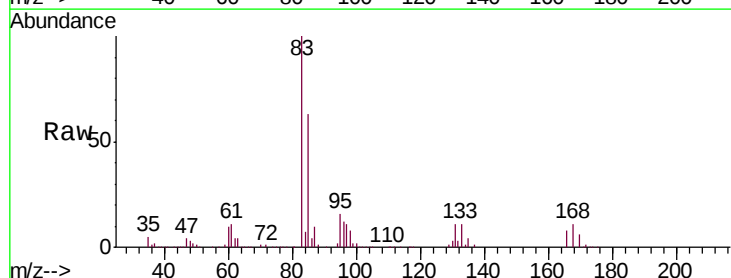
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

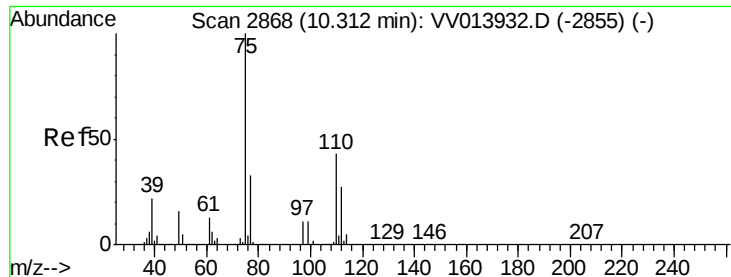
Tgt Ion: 105 Resp: 1021882
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.2
77 14.5 12.0 18.0



#58
1,1,2,2-Tetrachloroethane
Concen: 44.211 ug/L
RT: 10.28 min Scan# 2858
Delta R.T. 0.00 min
Lab File: VV013952.D
Acq: 09 Dec 2019 10:11

Tgt Ion: 83 Resp: 325302
Ion Ratio Lower Upper
83 100
85 63.5 44.1 81.9
131 10.7 8.8 13.2





#59

1,2,3-Trichloropropane

Concen: 46.324 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

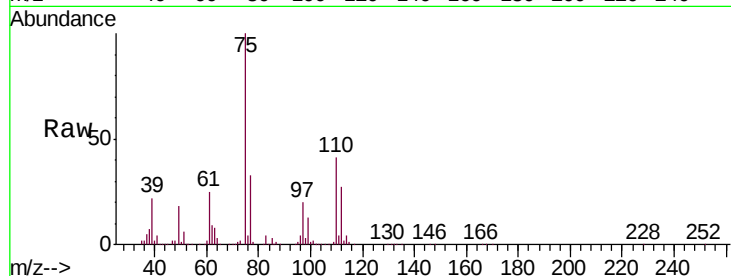
VSTD05073

Tgt Ion: 75 Resp: 285439

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV013932.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013932.D (-2855) (-)

10.31

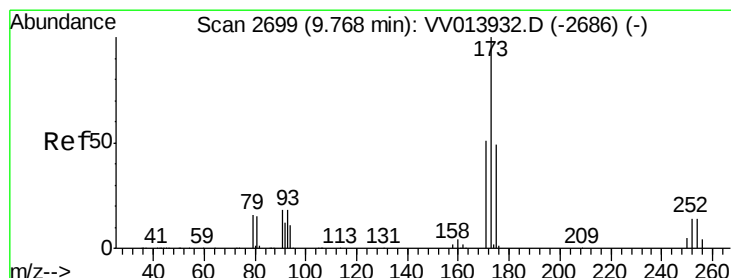
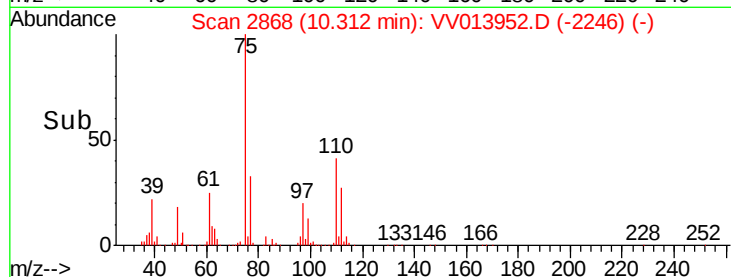
150000

100000

50000

0

Time-->



#61

Bromoform

Concen: 47.979 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

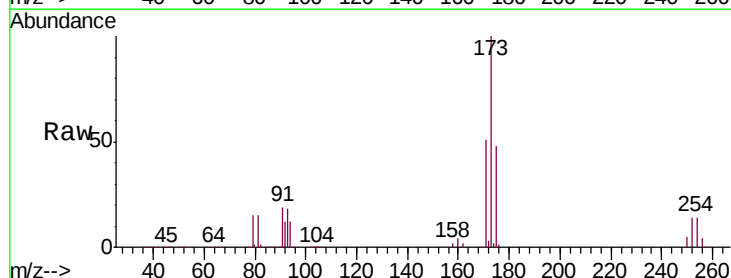
Tgt Ion: 173 Resp: 198550

Ion Ratio Lower Upper

173 100

175 48.3 38.4 57.6

254 13.6 10.5 15.7



Abundance Ion 173.00 (172.70 to 173.70): VV013932.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013932.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013932.D (-2686) (-)

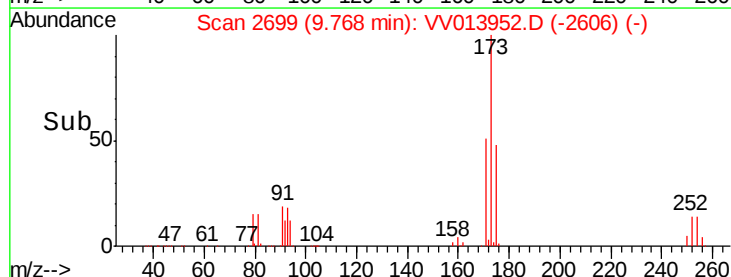
150000

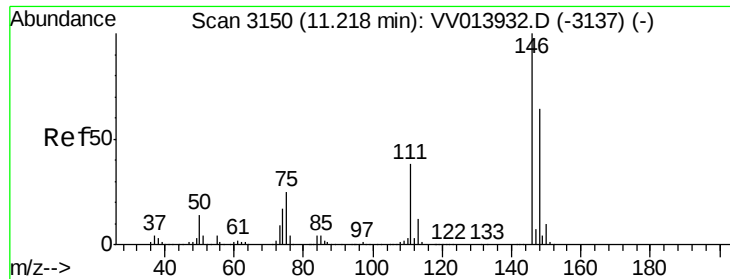
100000

50000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 46.149 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

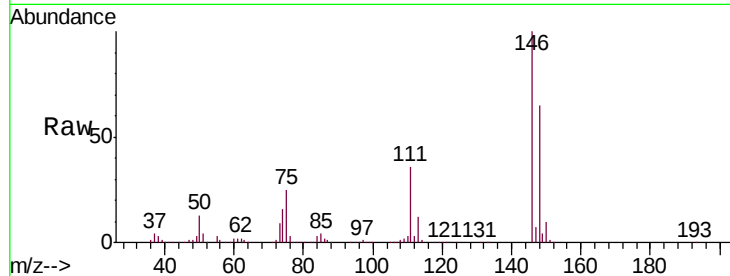
Tgt Ion:146 Resp: 512268

Ion Ratio Lower Upper

146 100

111 36.3 25.8 48.0

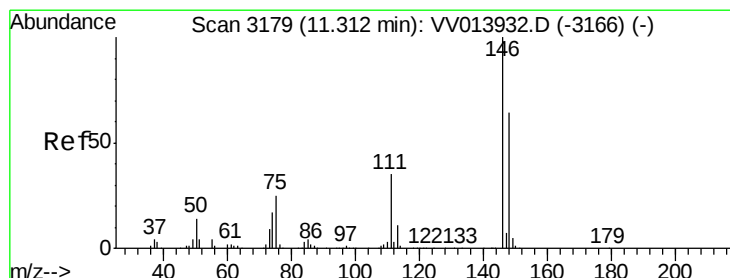
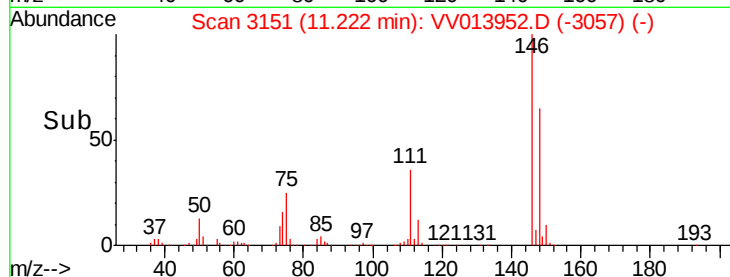
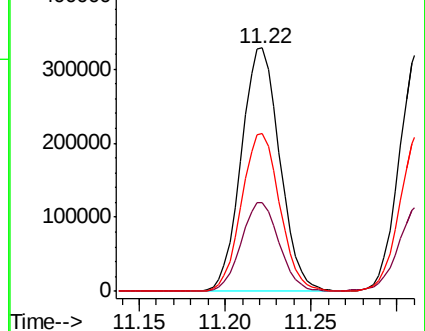
148 64.9 45.2 84.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 44.280 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

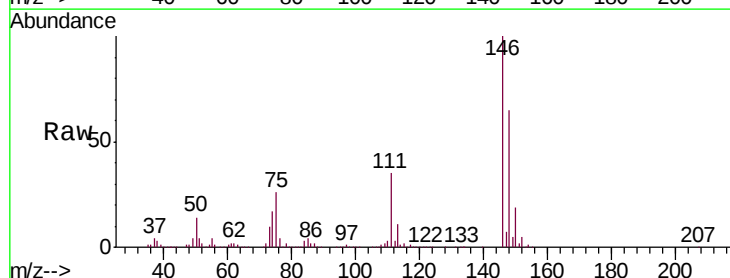
Tgt Ion:146 Resp: 508137

Ion Ratio Lower Upper

146 100

111 35.3 25.4 47.2

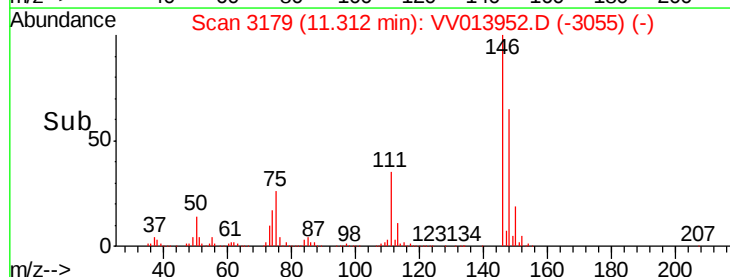
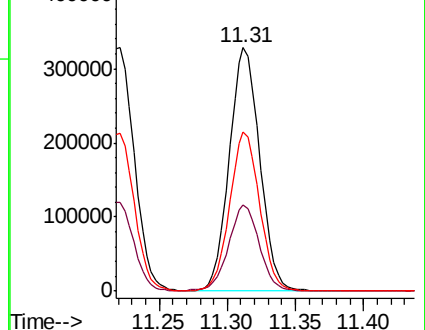
148 65.4 44.9 83.5

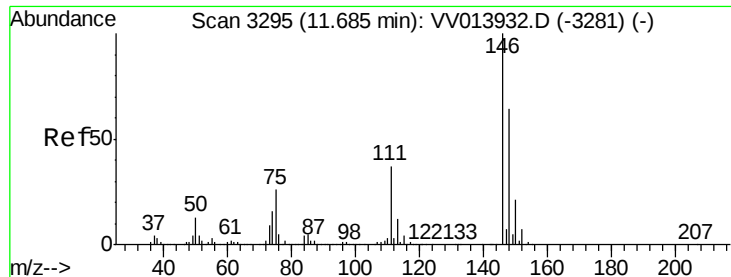


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

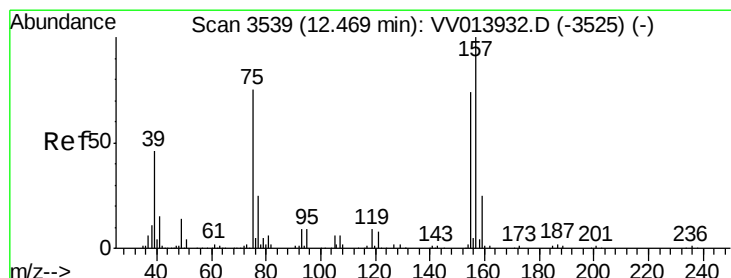
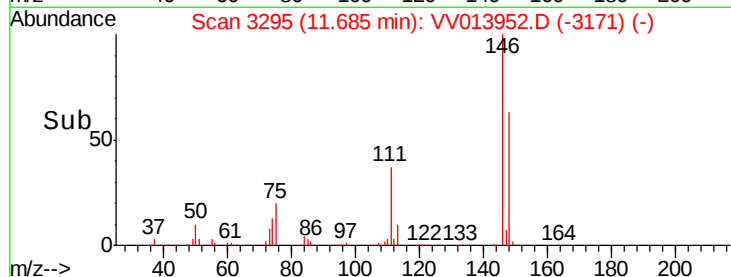
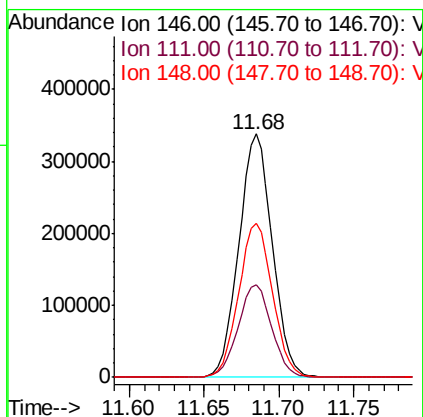
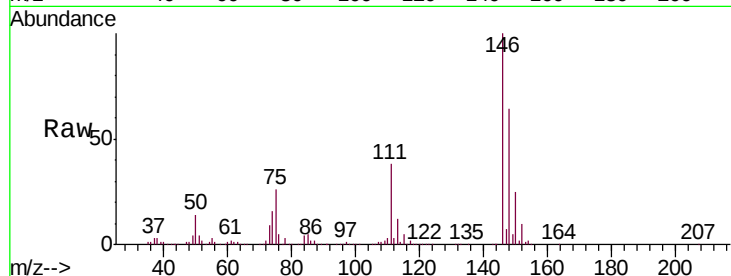




#65
 1,2-Dichlorobenzene
 Concen: 47.331 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

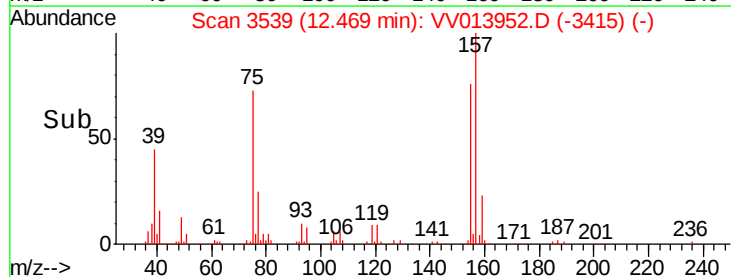
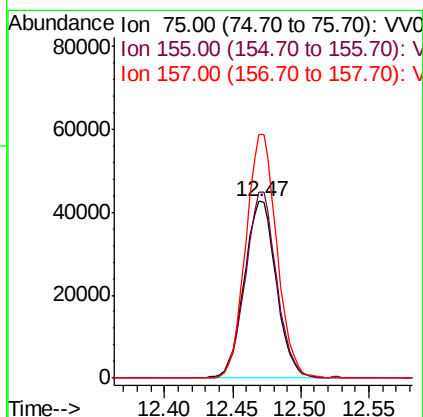
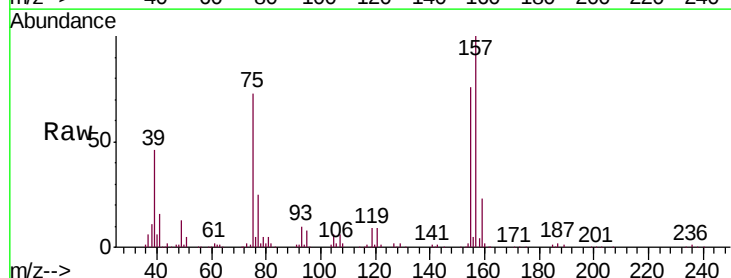
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

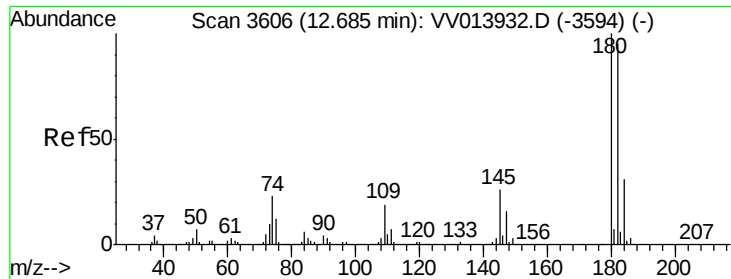
Tgt Ion: 146 Resp: 525537
 Ion Ratio Lower Upper
 146 100
 111 38.1 31.4 47.0
 148 63.5 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.177 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Tgt Ion: 75 Resp: 69713
 Ion Ratio Lower Upper
 75 100
 155 104.9 78.6 117.8
 157 137.6 102.6 153.8

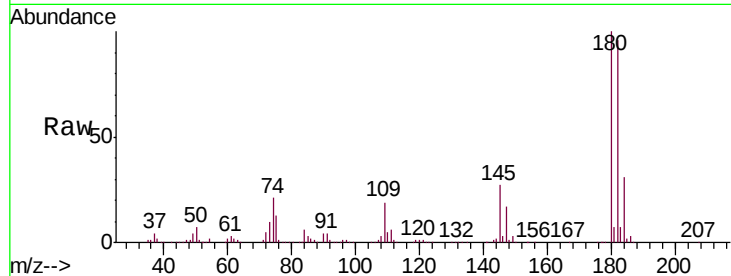




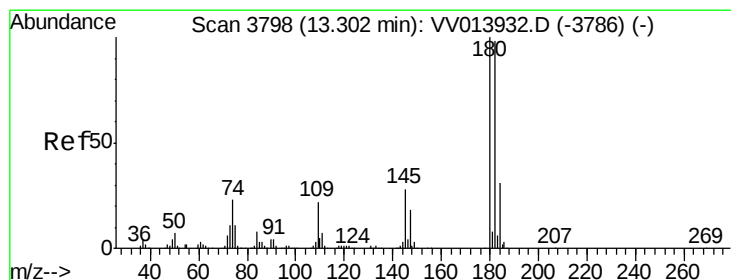
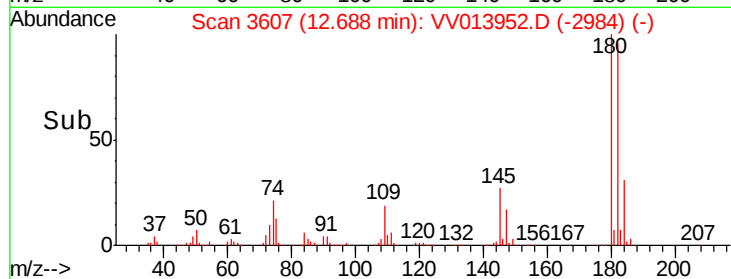
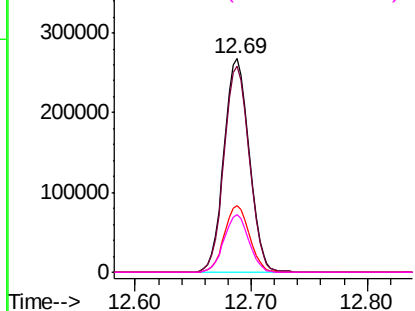
#67
 1,3,5-Trichlorobenzene
 Concen: 44.822 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	180	Resp:	404034
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.2	114.4
184	30.8	24.2	36.4
145	26.4	21.1	31.7

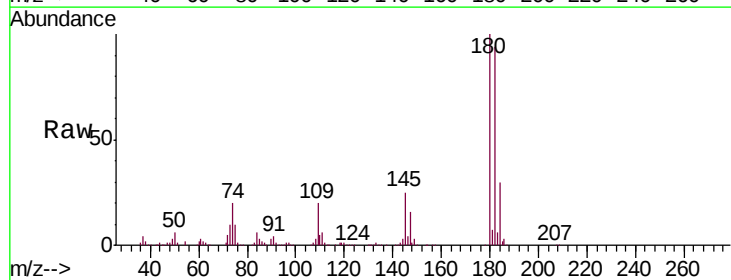


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

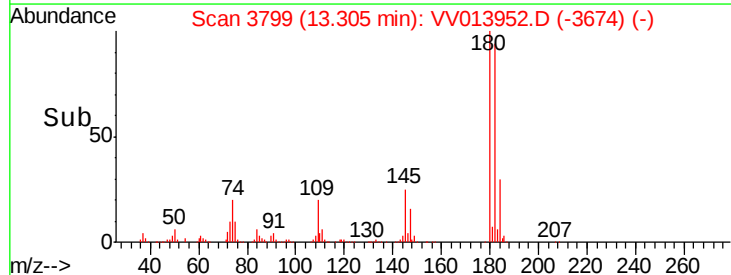
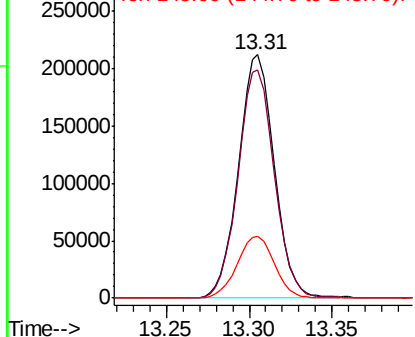


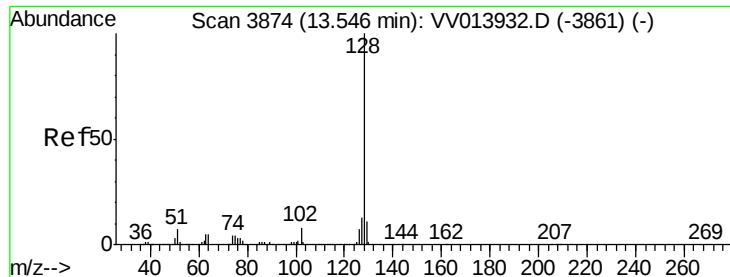
#68
 1,2,4-trichlorobenzene
 Concen: 39.173 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013952.D
 Acq: 09 Dec 2019 10:11

Tgt Ion:	180	Resp:	318618
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	26.6	21.9	32.9



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





#69

Naphthalene

Concen: 29.916 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

Instrument :

MSVOA_V

ClientSampled :

VSTD05073

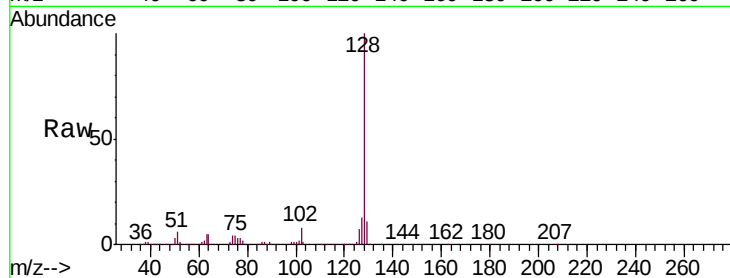
Tgt Ion:128 Resp: 638892

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

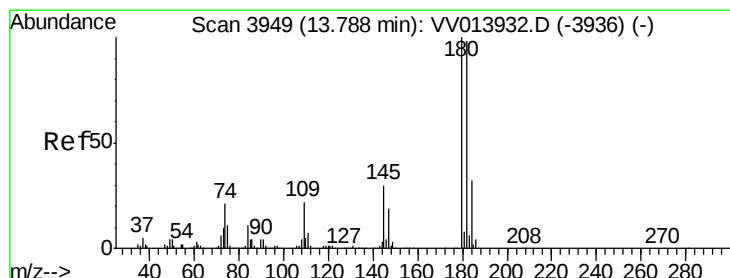
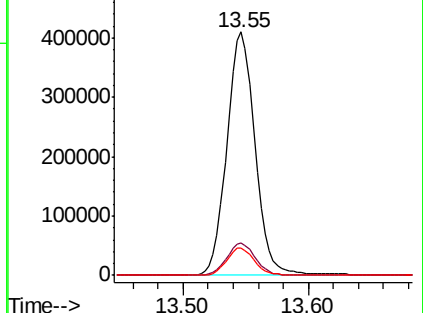
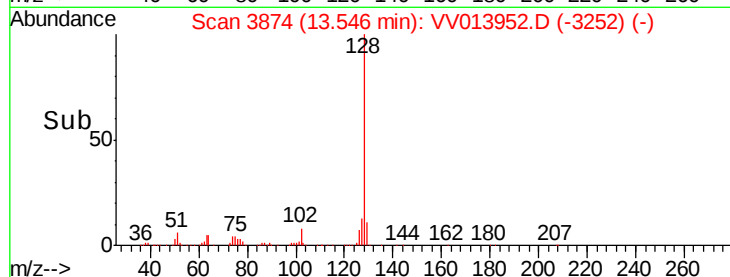
129 11.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 39.685 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013952.D

Acq: 09 Dec 2019 10:11

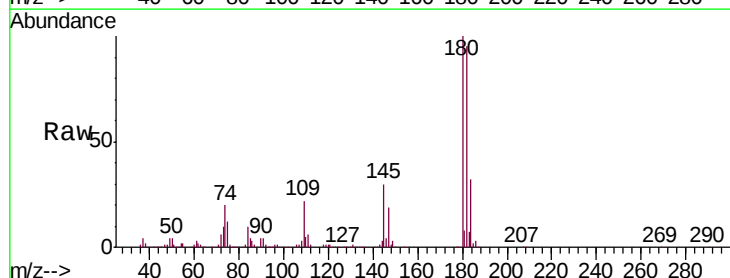
Tgt Ion:180 Resp: 337563

Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.4

145 29.3 22.6 34.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

