

Data File : VV014253.D
Acq On : 03 Jan 2020 13:14
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Jan 03 22:42:44 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jan 03 07:49:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	872258	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	787173	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	366726	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	288492	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.58	69	212452	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.00%
11) 1,1-Dichloroethene-d2	2.13	63	431627	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.00%
20) 2-Butanone-d5	3.96	46	696048	47.48	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.96%
24) Chloroform-d	4.40	84	583922	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.08	65	283499	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.09	84	1185634	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.11	67	363439	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.35	98	1076316	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
43) trans-1,3-Dichloropropene-	7.66	79	159689	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	8.13	63	652873	47.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.72%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	249337	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	339207	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	342142	5.203	ug/L 99
3) Chloromethane	1.25	50	308958	4.727	ug/L 99
5) Vinyl chloride	1.32	62	294869	4.830	ug/L 99
6) Bromomethane	1.54	94	161946	4.676	ug/L 99
8) Chloroethane	1.60	64	156983	4.577	ug/L 99
9) Trichlorofluoromethane	1.77	101	369626	5.129	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	199266	5.105	ug/L 94
12) 1,1-Dichloroethene	2.14	96	187852	4.820	ug/L 96
13) Acetone	2.24	43	364993	36.152	ug/L 93
14) Carbon disulfide	2.32	76	834427	4.825	ug/L 100
15) Methyl Acetate	2.48	43	101255	4.308	ug/L 98
16) Methylene chloride	2.53	84	315013	4.966	ug/L 91
17) Methyl tert-butyl Ether	2.81	73	664491	4.607	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	282365	4.820	ug/L 95
19) 1,1-Dichloroethane	3.23	63	543683	4.735	ug/L 97
21) 2-Butanone	4.05	43	690109	45.569	ug/L 95
22) cis-1,2-Dichloroethene	3.96	96	310077	4.829	ug/L # 93

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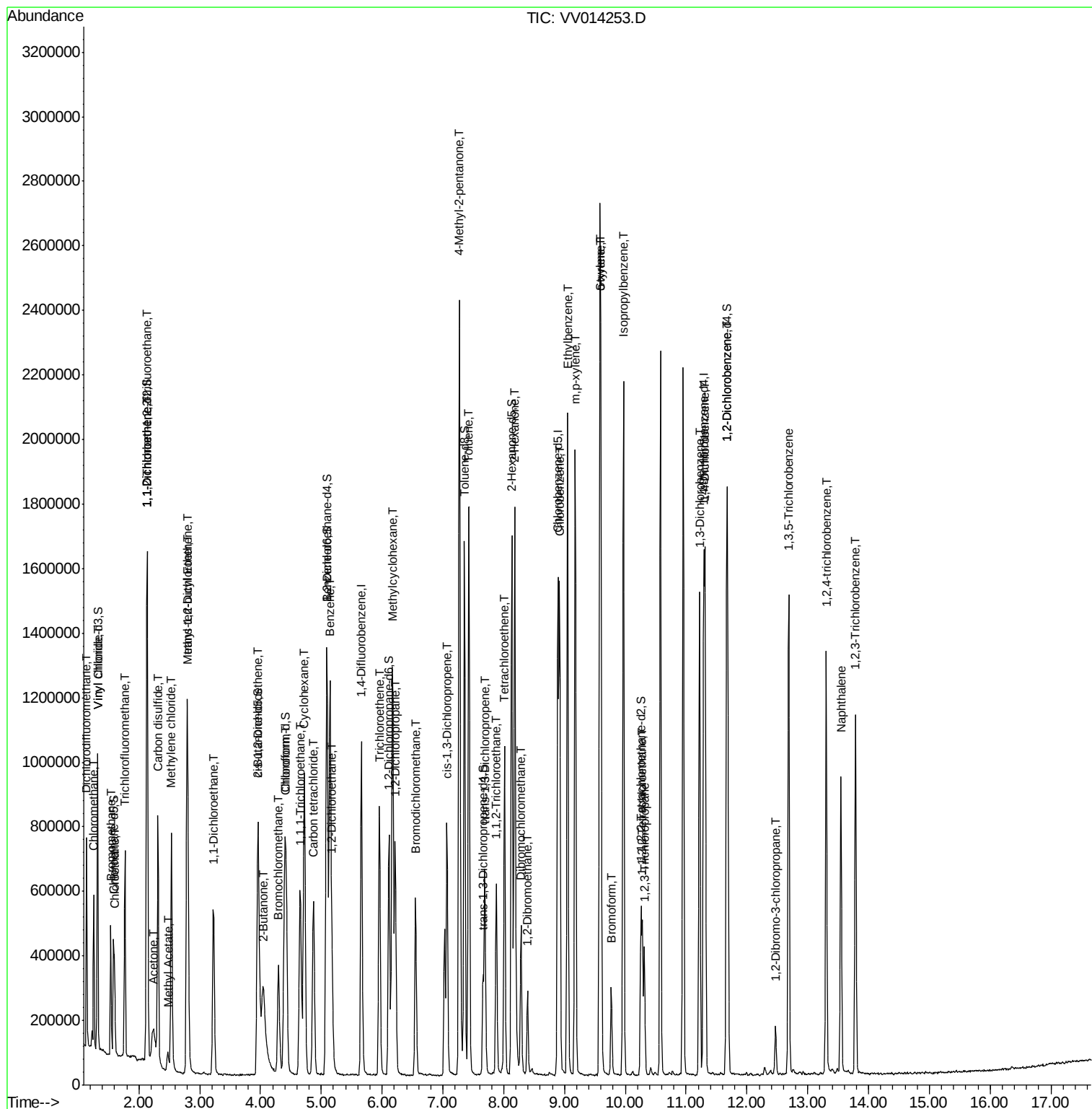
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	114822	4.704	ug/L	93
25) Chloroform	4.42	83	526490	4.790	ug/L	98
27) 1,2-Dichloroethane	5.18	62	312066	4.746	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	464847	4.961	ug/L	99
30) Cyclohexane	4.72	56	548025	5.297	ug/L	97
31) Carbon tetrachloride	4.87	117	406923	5.071	ug/L	99
33) Benzene	5.14	78	1193271	4.922	ug/L	100
34) Trichloroethene	5.96	95	306446	4.919	ug/L	99
35) Methylcyclohexane	6.17	83	538741	5.289	ug/L	96
37) 1,2-Dichloropropane	6.22	63	294225	4.808	ug/L	99
38) Bromodichloromethane	6.55	83	379360	4.808	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	474158	4.786	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1763017	45.706	ug/L	99
42) Toluene	7.43	91	1254021	4.900	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	361002	4.745	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	180801	4.625	ug/L	97
47) Tetrachloroethene	8.01	164	214206	5.033	ug/L	97
48) 2-Hexanone	8.18	43	1237866	46.397	ug/L	97
49) Dibromochloromethane	8.28	129	230575	4.666	ug/L	96
50) 1,2-Dibromoethane	8.39	107	176905	4.673	ug/L #	96
51) Chlorobenzene	8.92	112	760132	4.830	ug/L	98
52) Ethylbenzene	9.05	91	1439871	5.030	ug/L	99
53) m,p-xylene	9.18	106	528452	5.004	ug/L	99
54) o-xylene	9.58	106	515924	4.968	ug/L	98
55) Styrene	9.60	104	862266	4.901	ug/L	97
56) Isopropylbenzene	9.97	105	1366785	5.045	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	226557	4.700	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	167077	4.582	ug/L	100
61) Bromoform	9.77	173	118586	4.771	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	567196	4.947	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	567972	4.982	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	512981	4.954	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	42815	4.499	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	418699	5.022	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	358005	4.896	ug/L	98
69) Naphthalene	13.55	128	693492	4.668	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	307969	4.786	ug/L	100

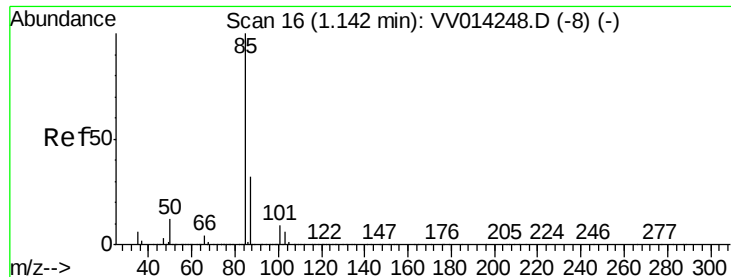
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.203 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

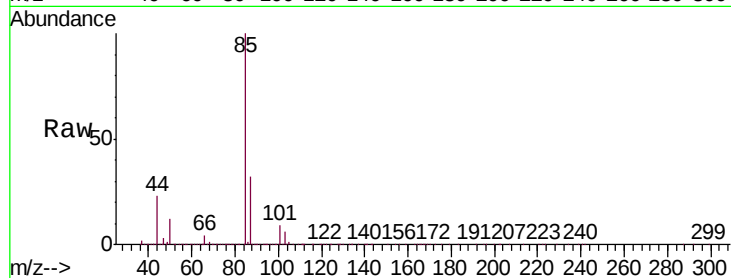
VSTD00548

Tgt Ion: 85 Resp: 342142

Ion Ratio Lower Upper

85 100

87 31.9 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV014248.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014248.D (-8) (-)

1.14

400000

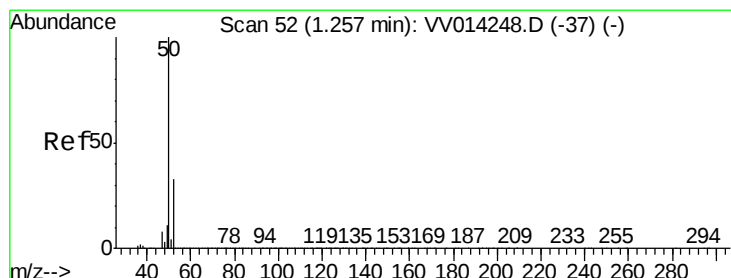
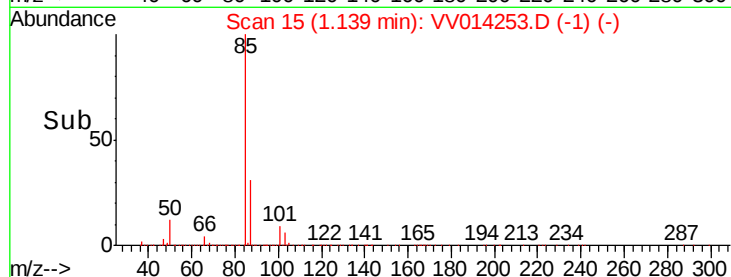
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 4.727 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014253.D

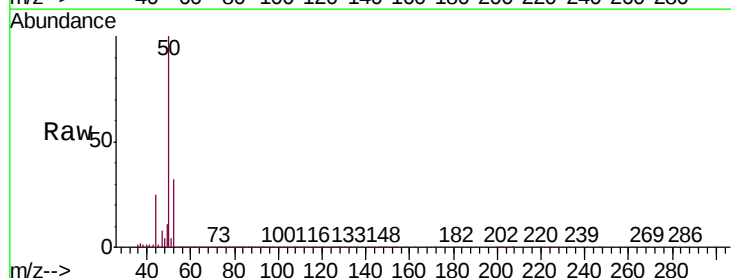
Acq: 03 Jan 2020 13:14

Tgt Ion: 50 Resp: 308958

Ion Ratio Lower Upper

50 100

52 32.2 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV014248.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV014248.D (-37) (-)

1.25

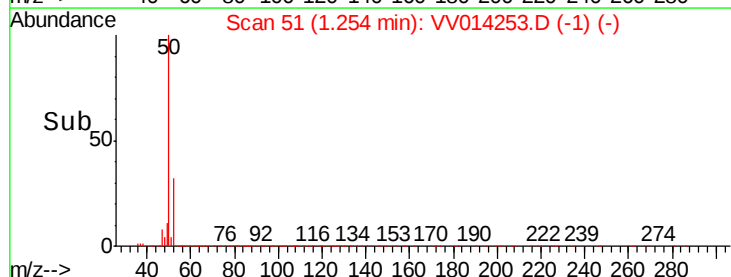
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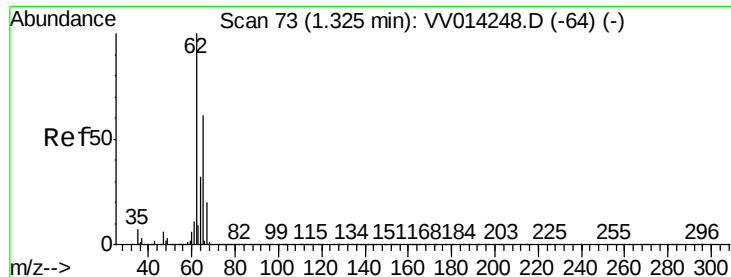
200000

100000

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Time-->





#5

Vinyl chloride

Concen: 4.830 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

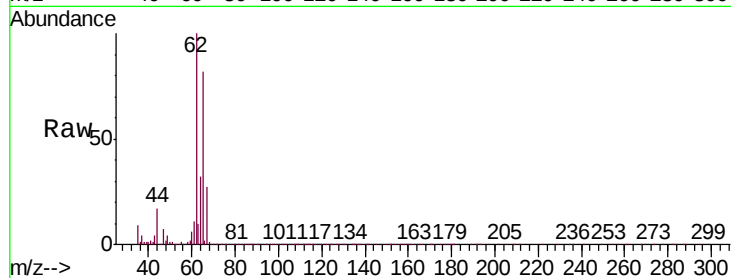
VSTD00548

Tgt Ion: 62 Resp: 294869

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

300000

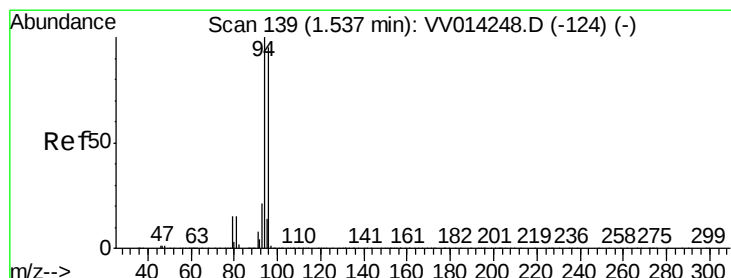
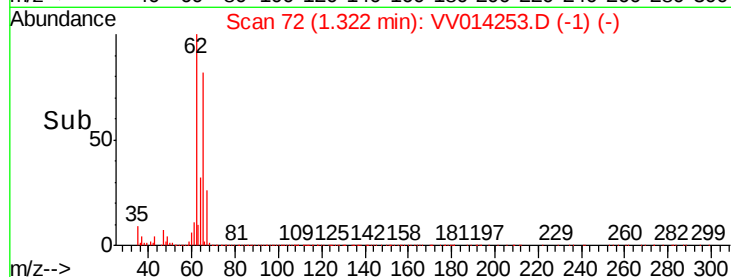
200000

100000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.676 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014253.D

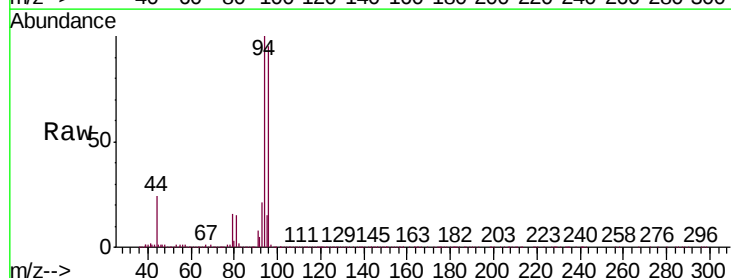
Acq: 03 Jan 2020 13:14

Tgt Ion: 94 Resp: 161946

Ion Ratio Lower Upper

94 100

96 95.0 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

150000

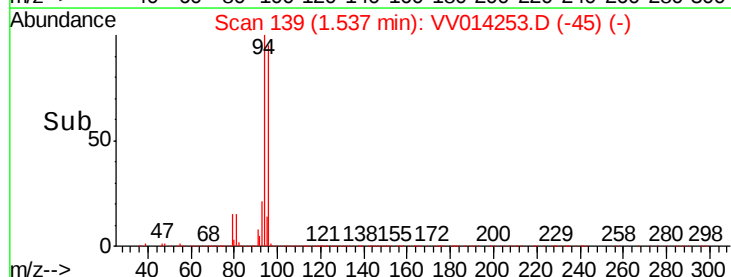
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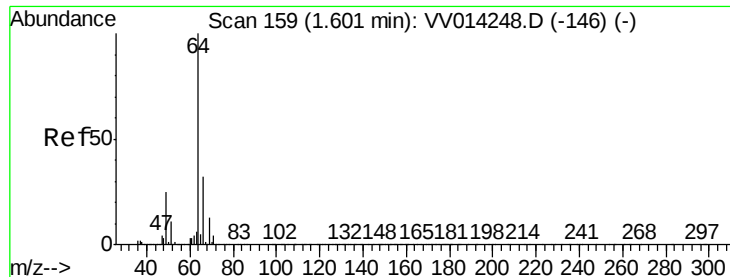
50000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 4.577 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

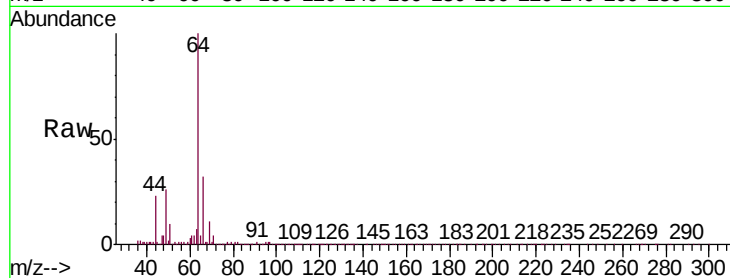
VSTD00548

Tgt Ion: 64 Resp: 156983

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV014248.D (-146) (-)

Ion 66.05 (65.75 to 66.75): VV014253.D (-65) (-)

1.60

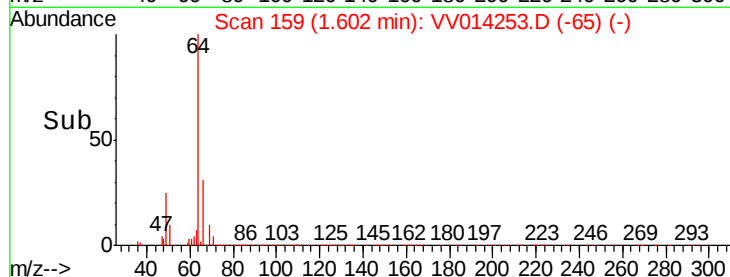
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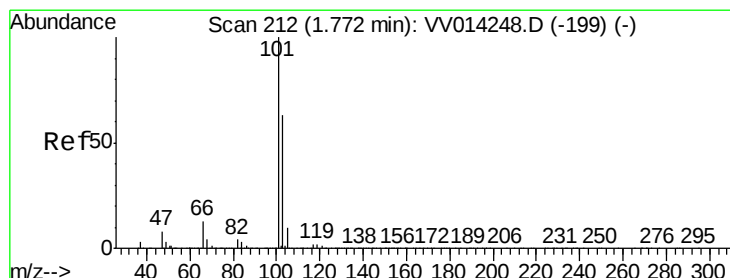
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Time-->



Time-->



#9

Trichlorofluoromethane

Concen: 5.129 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014253.D

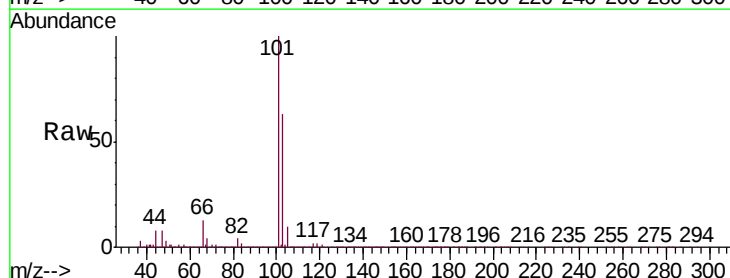
Acq: 03 Jan 2020 13:14

Tgt Ion: 101 Resp: 369626

Ion Ratio Lower Upper

101 100

103 63.5 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV014248.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV014253.D (-118) (-)

1.77

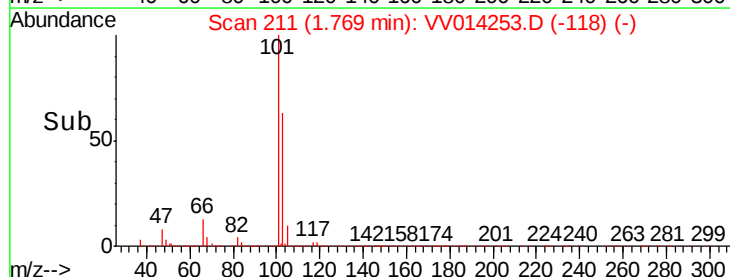
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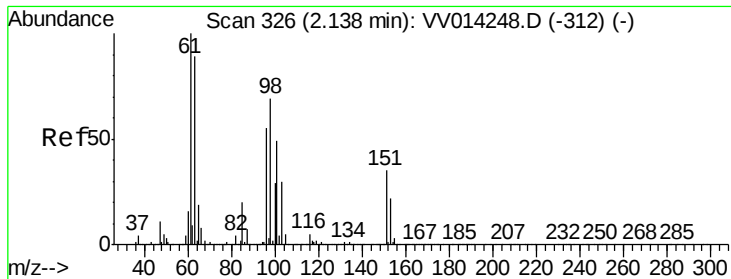
100000

0

Time-->



Time-->



#10

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

Concen: 5.105 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

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ClientSampleId :

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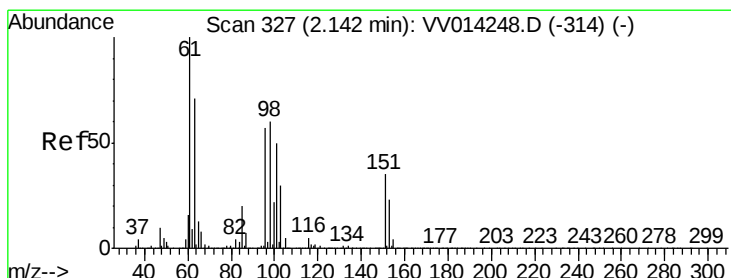
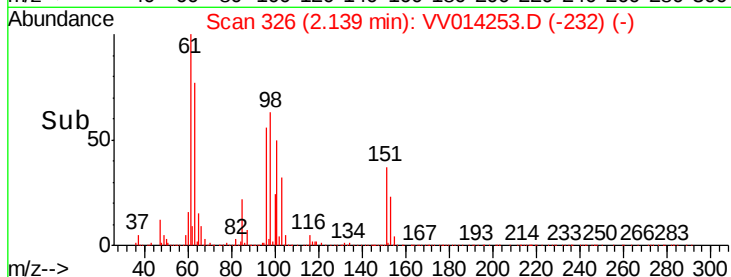
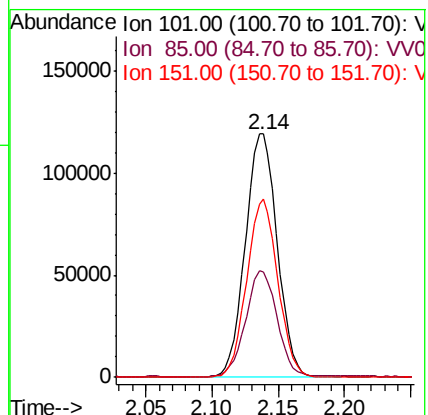
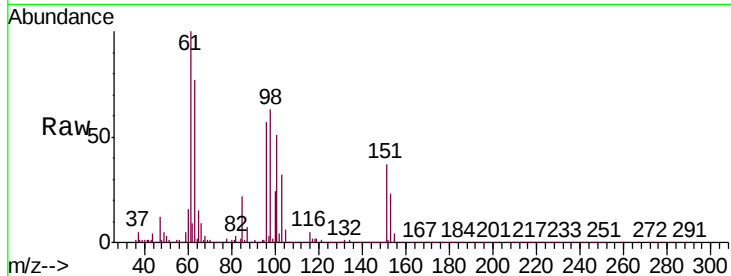
Tgt Ion:101 Resp: 199266

Ion Ratio Lower Upper

101 100

85 42.4 34.9 52.3

151 71.3 62.5 93.7



#12

1,1-Dichloroethene

Concen: 4.820 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

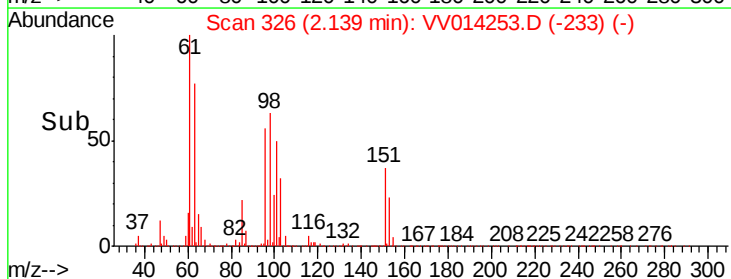
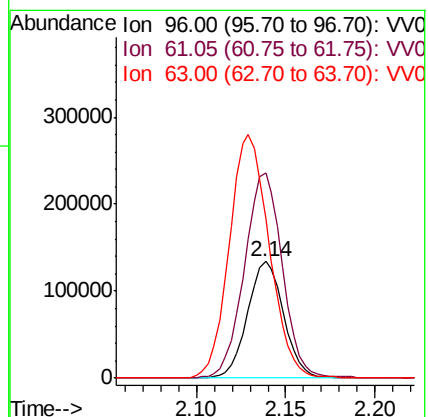
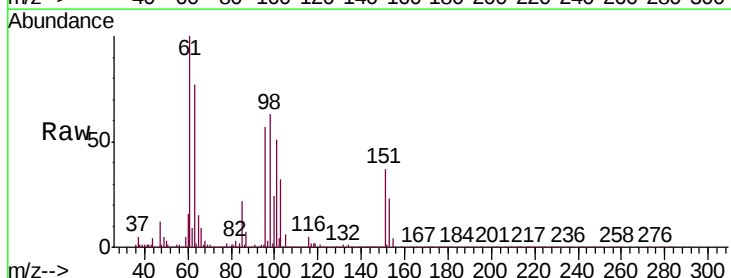
Tgt Ion: 96 Resp: 187852

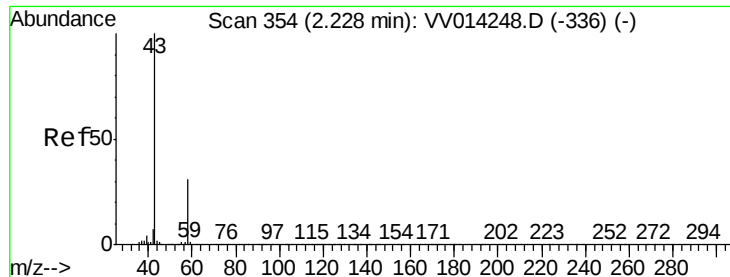
Ion Ratio Lower Upper

96 100

61 176.2 121.5 225.7

63 136.3 90.3 167.7





#13

Acetone

Concen: 36.152 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.04 min

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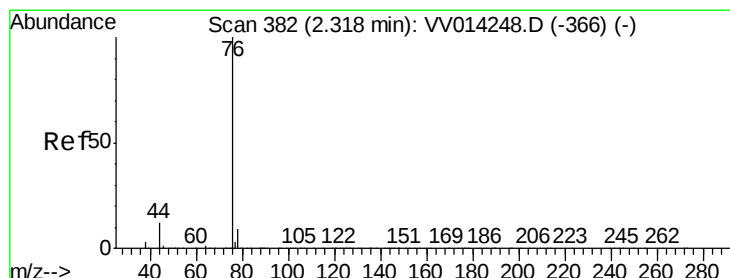
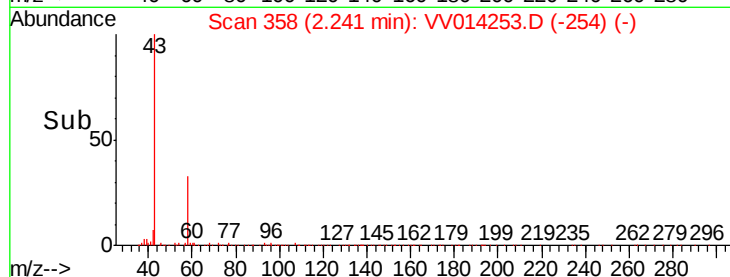
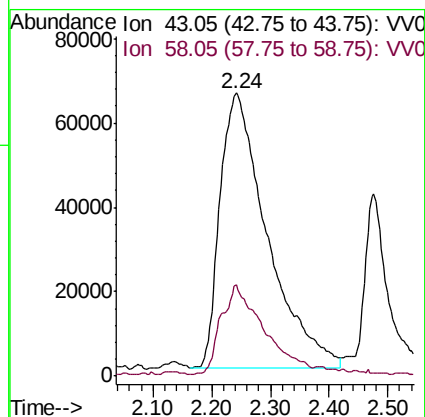
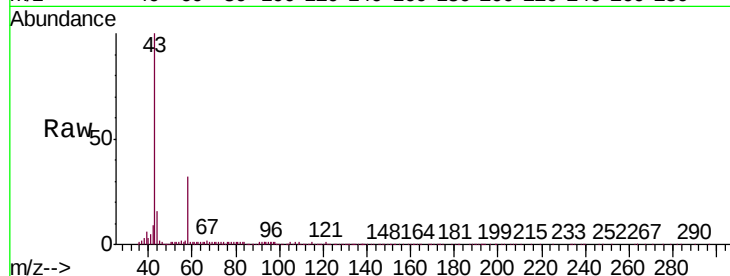
VSTD00548

Tgt Ion: 43 Resp: 364993

Ion Ratio Lower Upper

43 100

58 29.2 0.0 66.0



#14

Carbon disulfide

Concen: 4.825 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014253.D

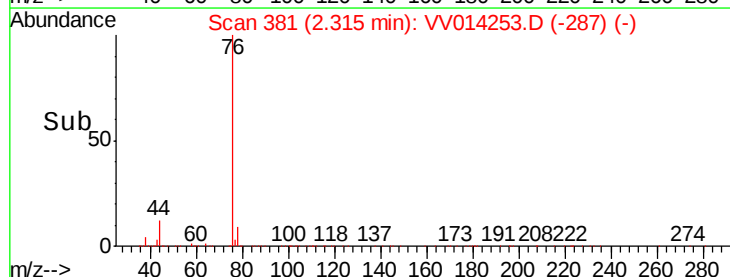
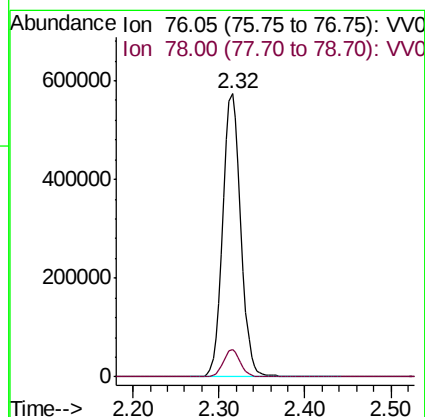
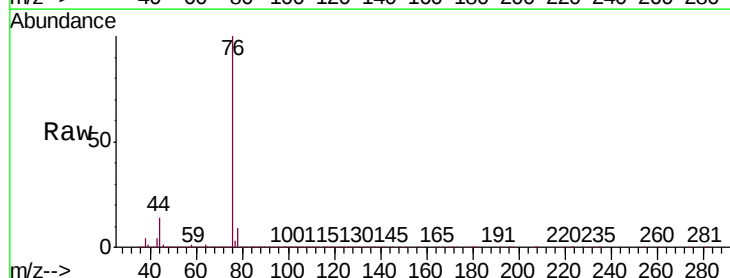
Acq: 03 Jan 2020 13:14

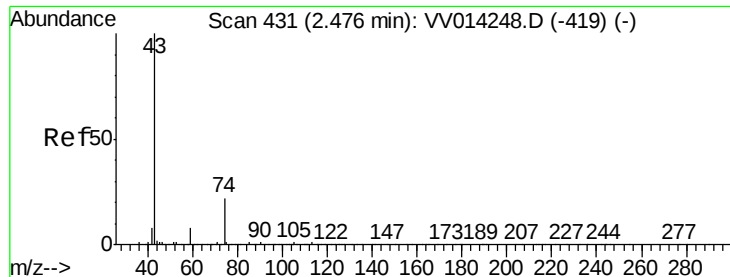
Tgt Ion: 76 Resp: 834427

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3

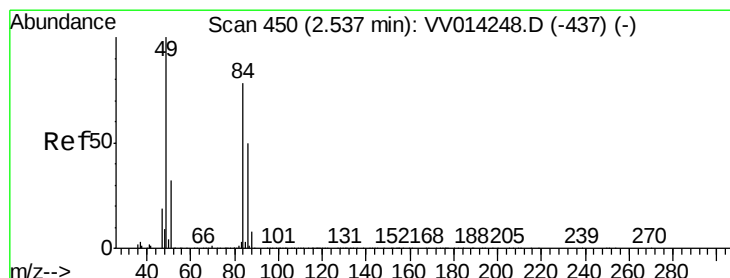
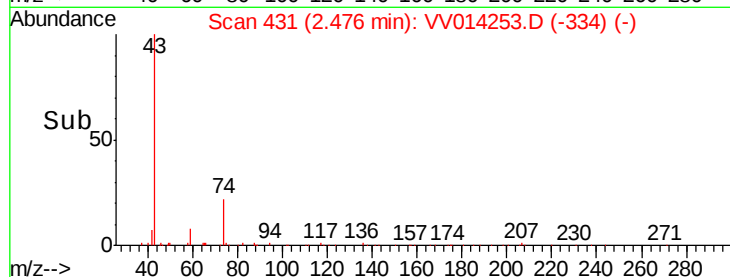
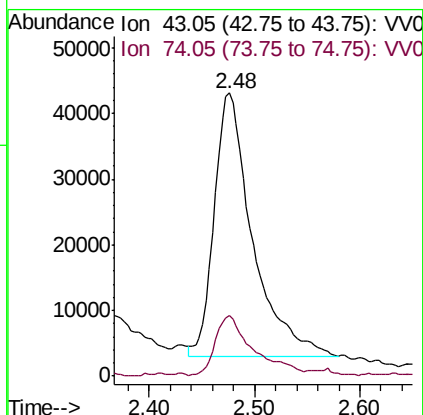
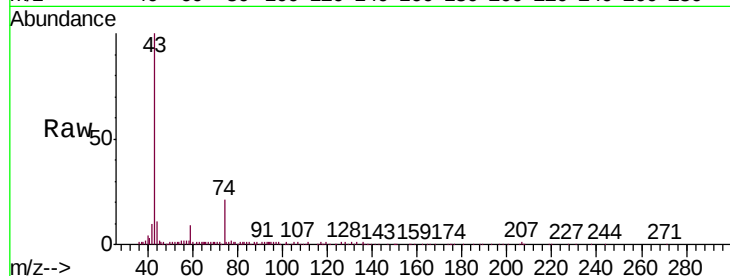




#15
Methyl Acetate
Concen: 4.308 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

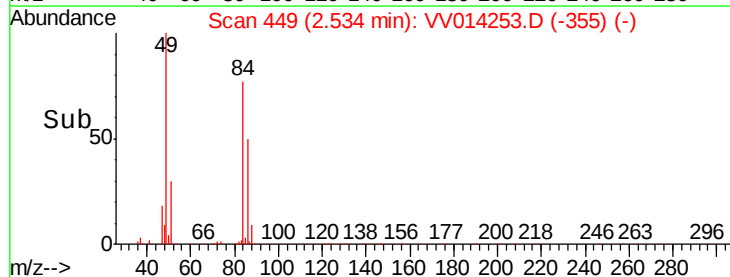
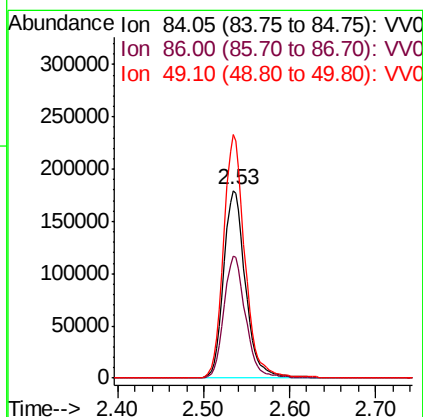
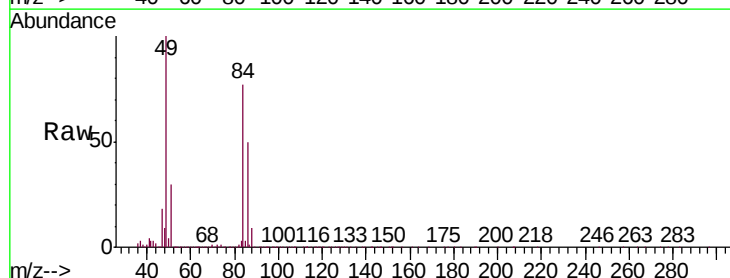
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

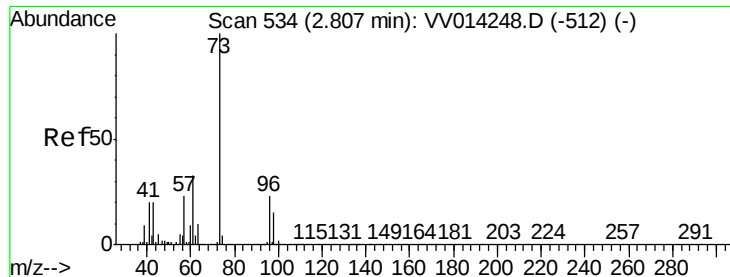
Tgt Ion: 43 Resp: 101255
Ion Ratio Lower Upper
43 100
74 22.3 18.6 28.0



#16
Methylene chloride
Concen: 4.966 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

Tgt Ion: 84 Resp: 315013
Ion Ratio Lower Upper
84 100
86 65.1 43.1 80.1
49 129.9 82.1 152.5



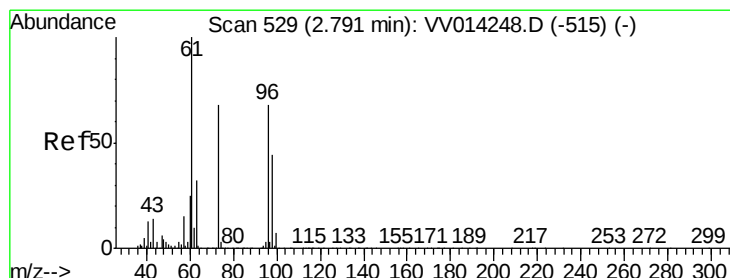
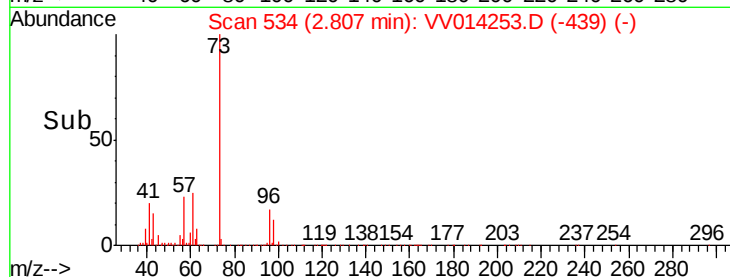
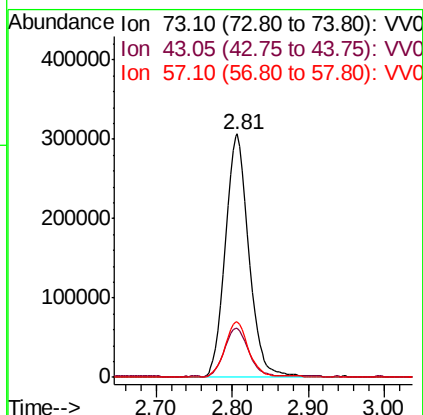
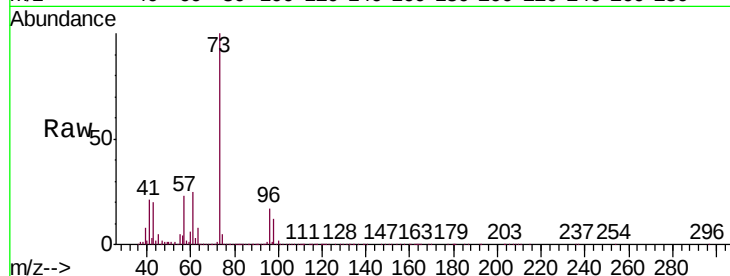


#17

Methyl tert-butyl Ether
 Concen: 4.607 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

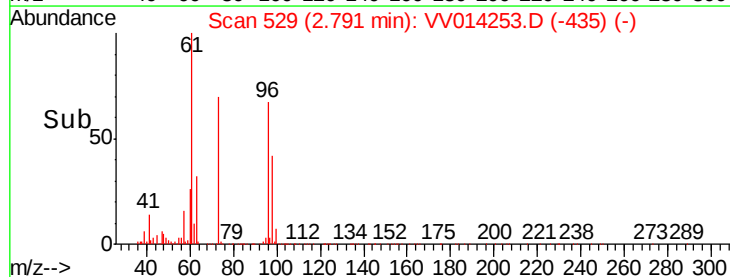
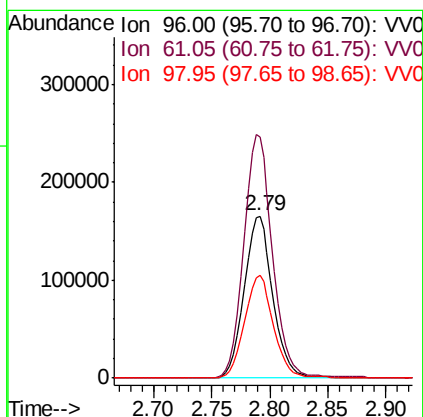
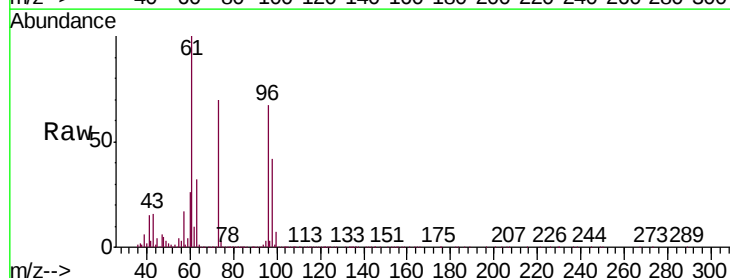
Tgt Ion:	73	Resp:	664491
Ion	Ratio	Lower	Upper
73	100		
43	20.0	14.7	22.1
57	22.4	17.9	26.9

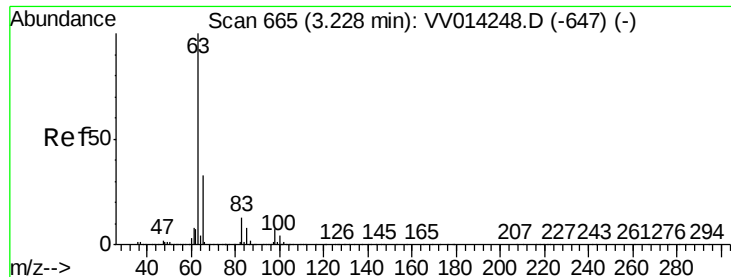


#18

trans-1,2-Dichloroethene
 Concen: 4.820 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion:	96	Resp:	282365
Ion	Ratio	Lower	Upper
96	100		
61	148.8	99.2	184.2
98	63.1	43.1	80.1





#19

1,1-Dichloroethane

Concen: 4.735 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

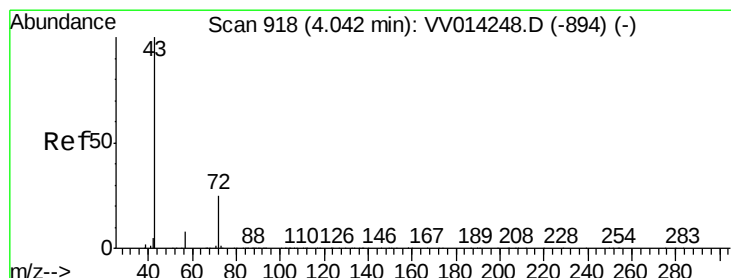
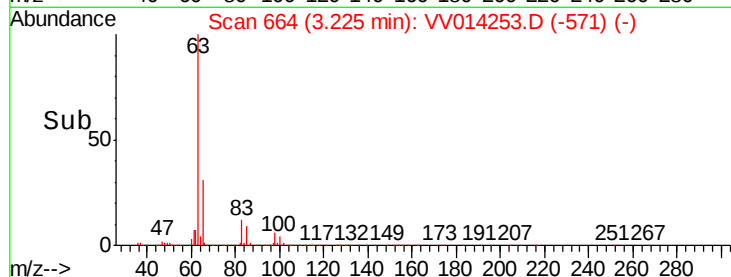
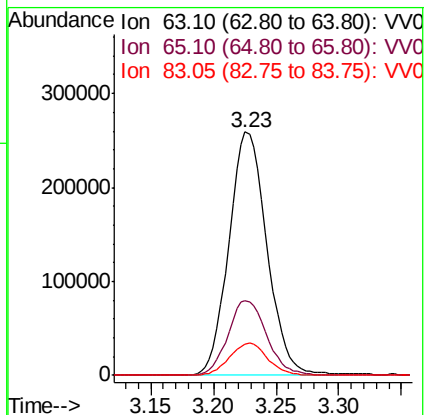
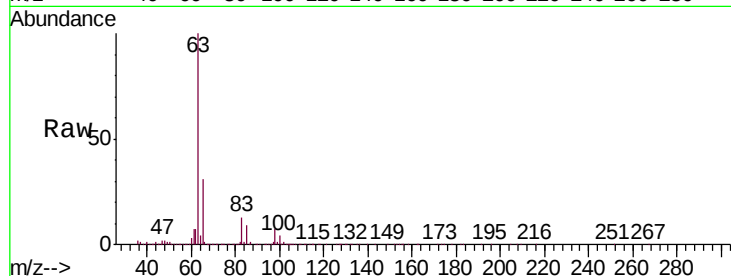
Tgt Ion: 63 Resp: 543683

Ion Ratio Lower Upper

63 100

65 30.9 22.7 42.3

83 12.6 10.0 18.6



#21

2-Butanone

Concen: 45.569 ug/L

RT: 4.05 min Scan# 919

Delta R.T. 0.02 min

Lab File: VV014253.D

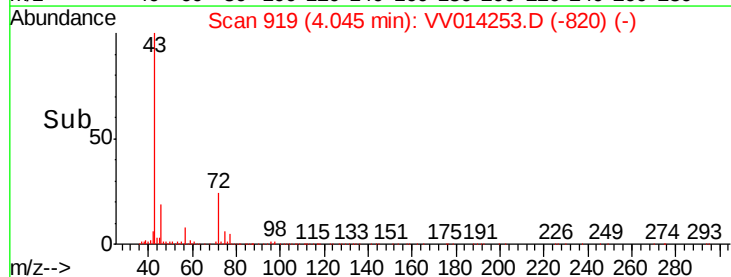
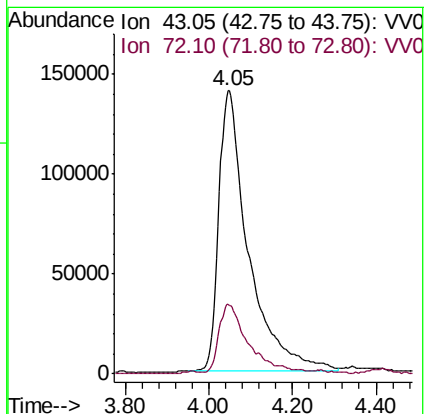
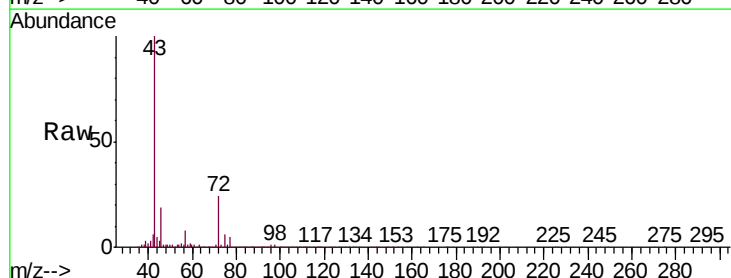
Acq: 03 Jan 2020 13:14

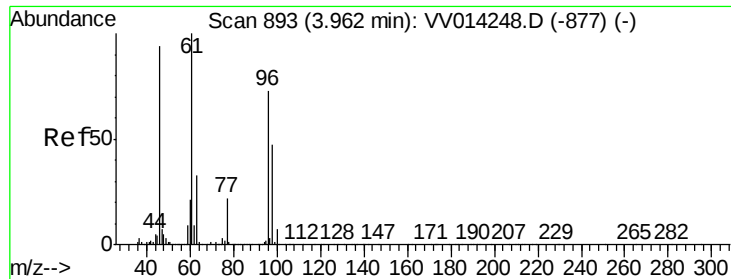
Tgt Ion: 43 Resp: 690109

Ion Ratio Lower Upper

43 100

72 22.5 12.4 37.2



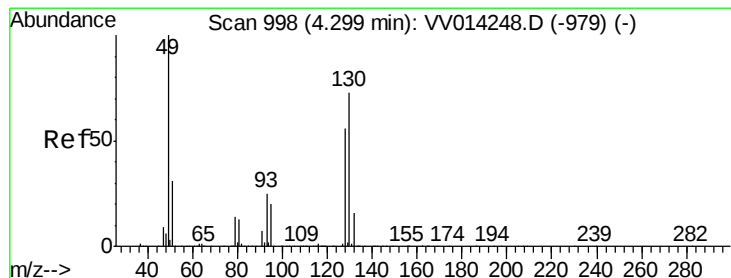
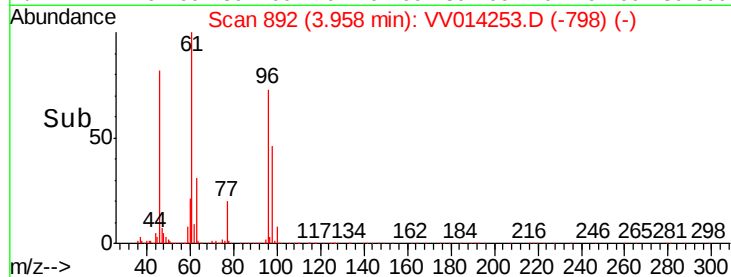
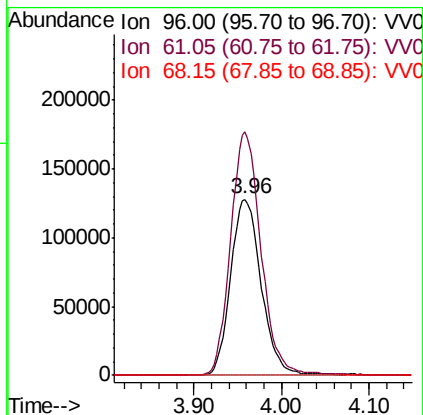
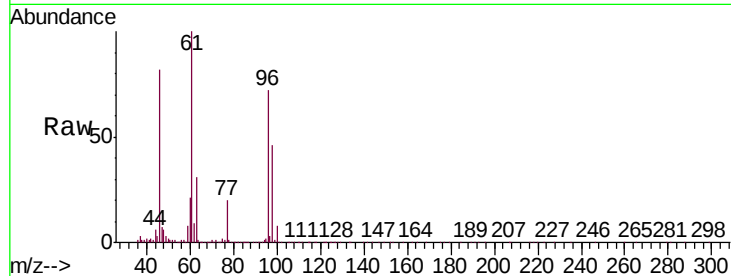


#22

cis-1,2-Dichloroethene
Concen: 4.829 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

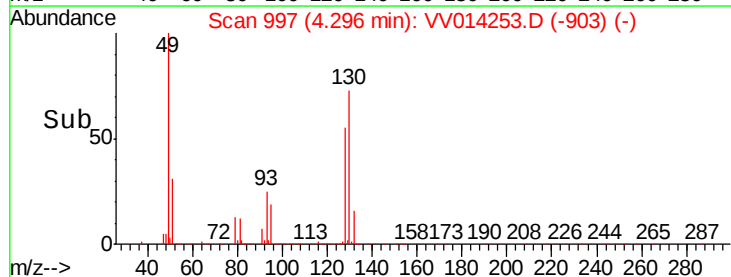
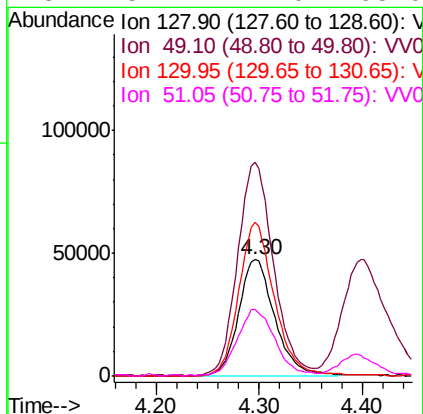
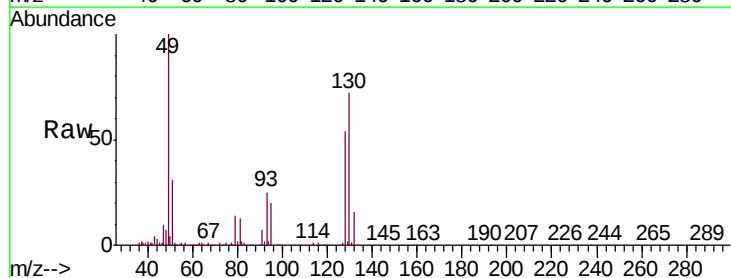
Tgt Ion: 96 Resp: 310077
Ion Ratio Lower Upper
96 100
61 138.1 90.6 168.3
68 0.3 0.3 0.7#

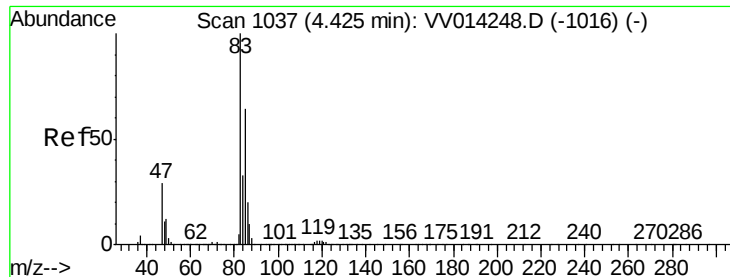


#23

Bromochloromethane
Concen: 4.704 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

Tgt Ion: 128 Resp: 114822
Ion Ratio Lower Upper
128 100
49 183.8 117.5 218.1
130 132.3 93.7 173.9
51 57.2 42.0 63.0





#25

Chloroform

Concen: 4.790 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

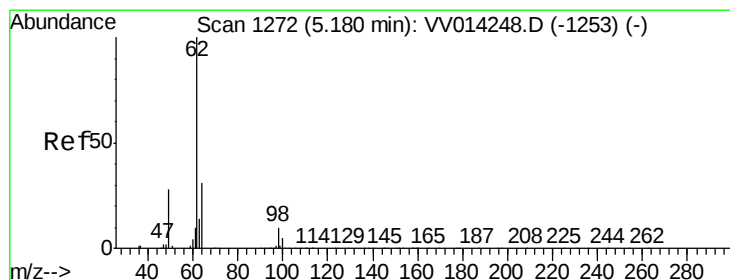
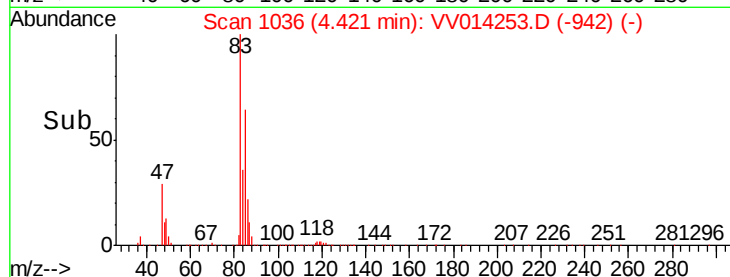
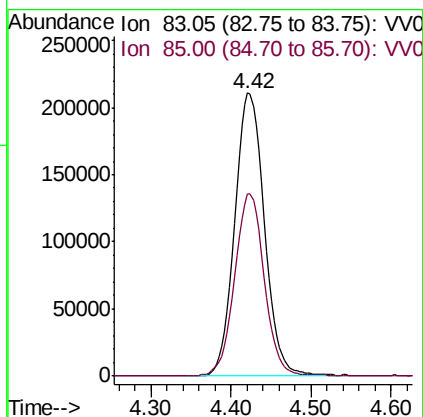
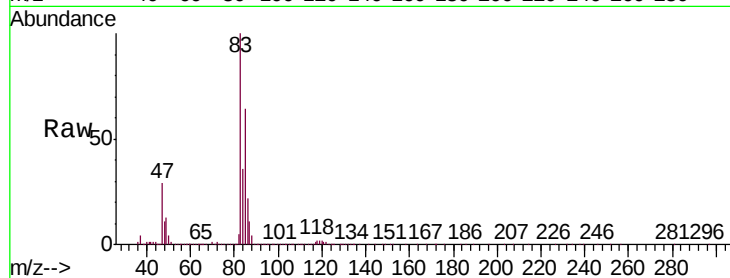
VSTD00548

Tgt Ion: 83 Resp: 526490

Ion Ratio Lower Upper

83 100

85 64.3 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.746 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014253.D

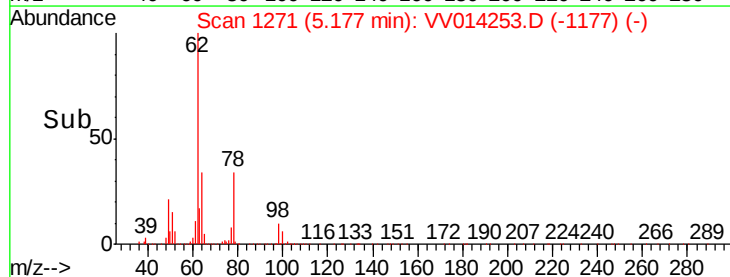
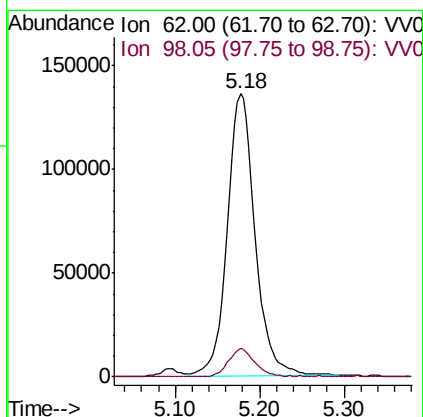
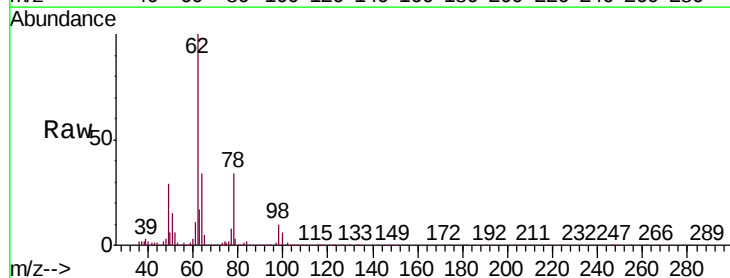
Acq: 03 Jan 2020 13:14

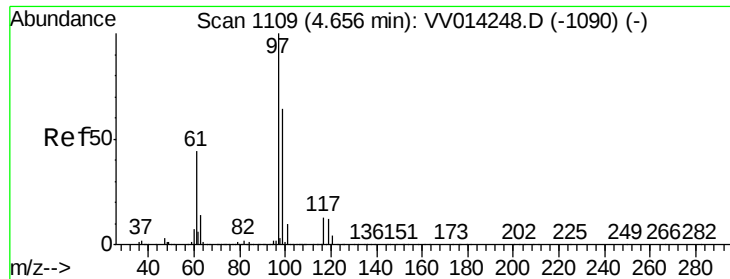
Tgt Ion: 62 Resp: 312066

Ion Ratio Lower Upper

62 100

98 10.1 9.2 13.8

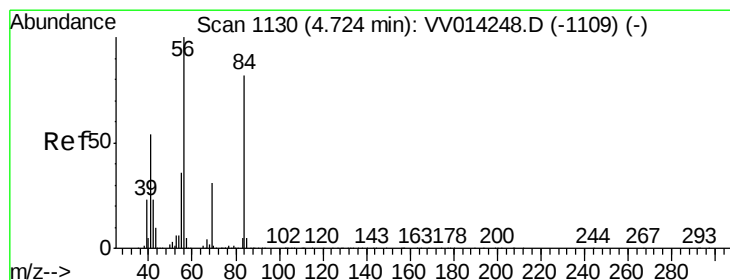
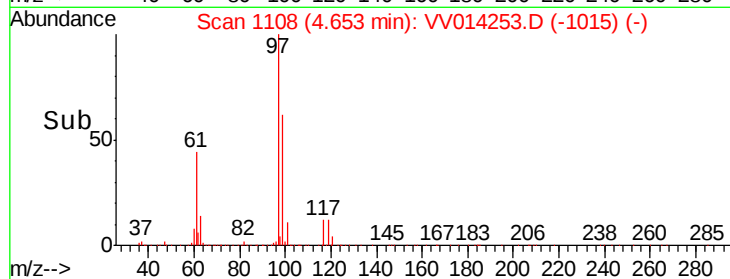
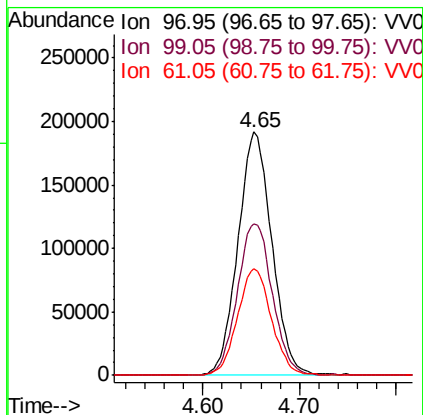
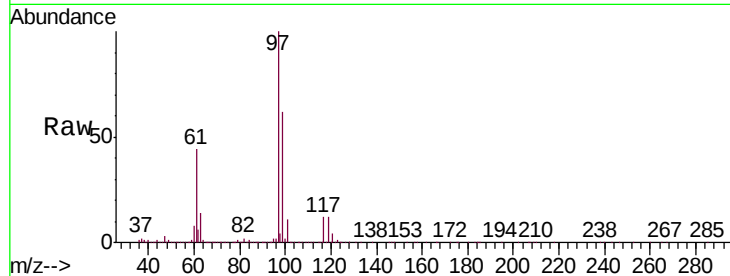




#29
 1,1,1-Trichloroethane
 Concen: 4.961 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

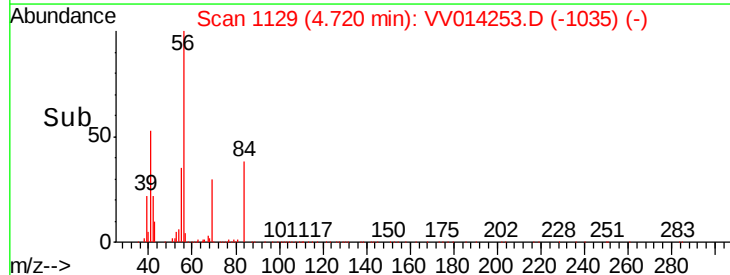
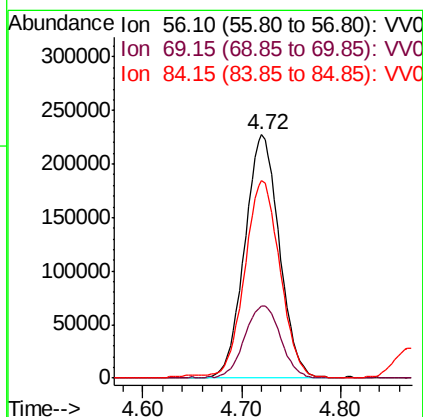
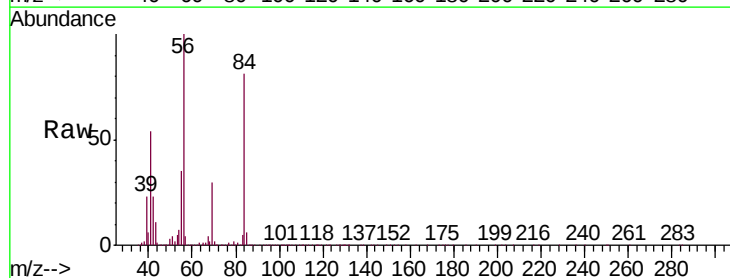
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

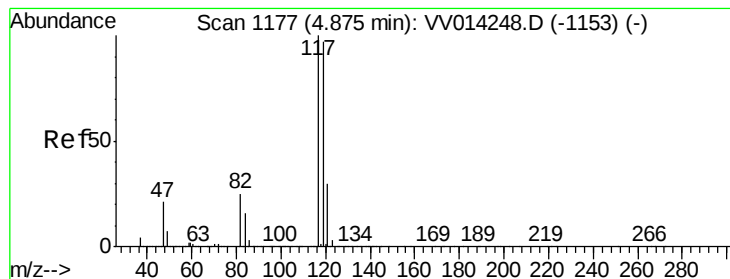
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	43.8	33.9	50.9



#30
 Cyclohexane
 Concen: 5.297 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.6	23.9	35.9
84	82.8	68.9	103.3





#31

Carbon tetrachloride

Concen: 5.071 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

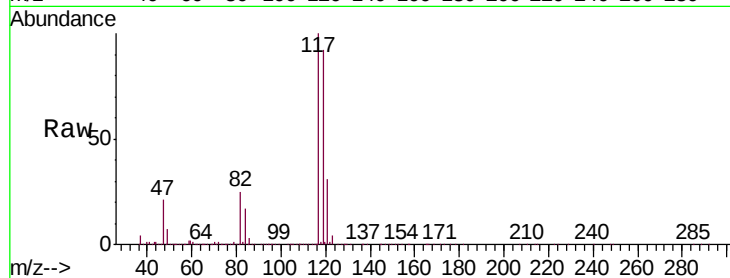
VSTD00548

Tgt Ion:117 Resp: 406923

Ion Ratio Lower Upper

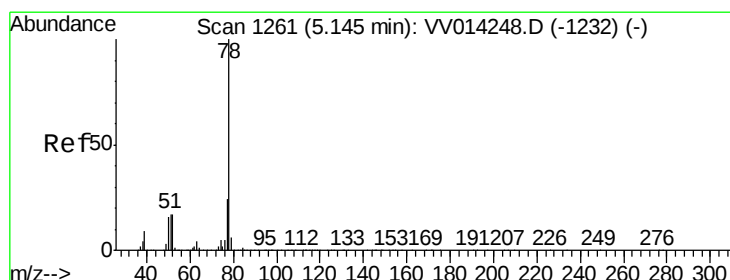
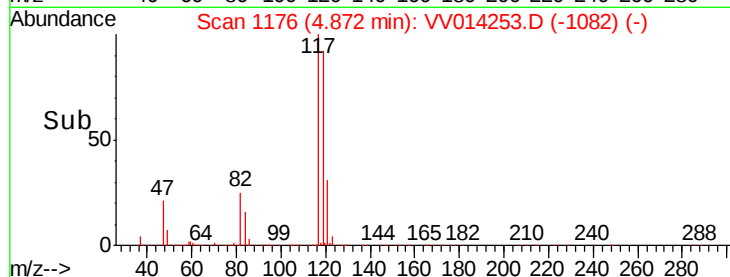
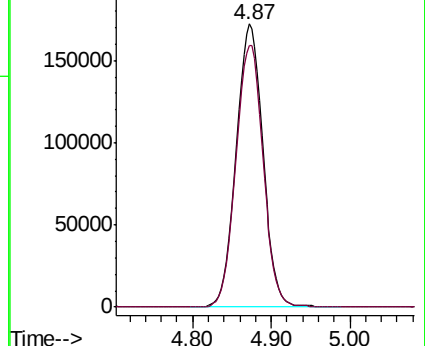
117 100

119 94.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.922 ug/L

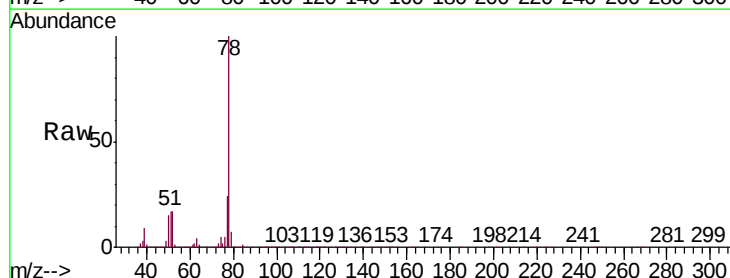
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

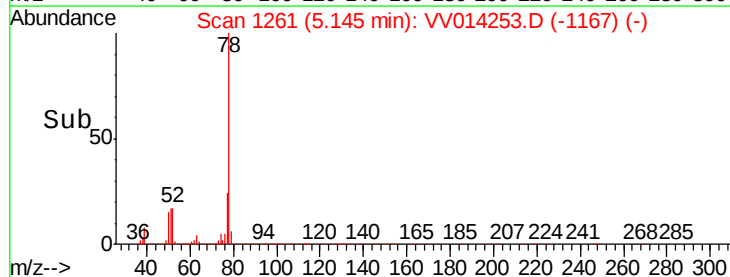
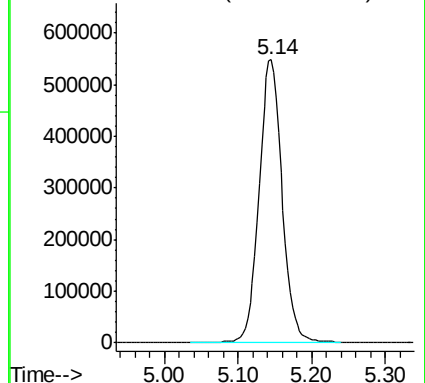
Lab File: VV014253.D

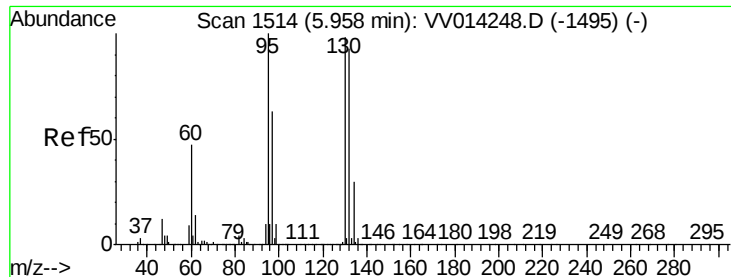
Acq: 03 Jan 2020 13:14

Tgt Ion: 78 Resp: 1193271



Abundance Ion 78.10 (77.80 to 78.80): VV0

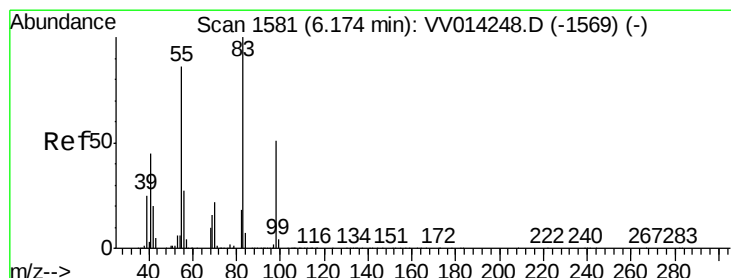
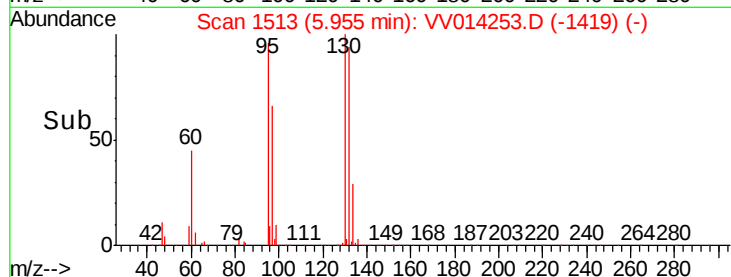
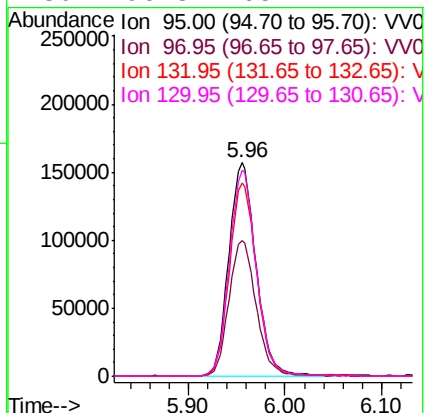
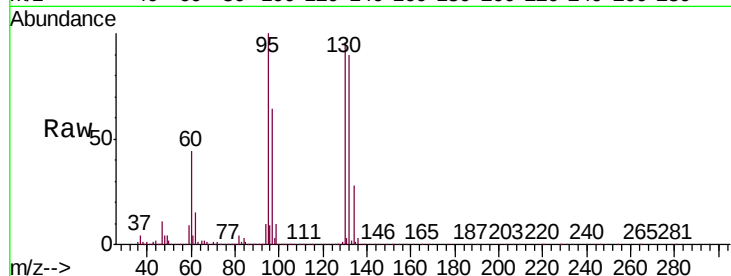




#34
 Trichloroethene
 Concen: 4.919 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

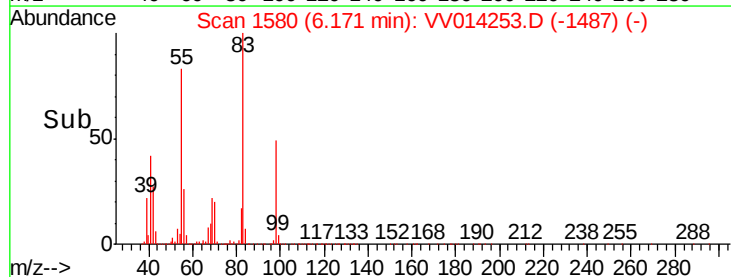
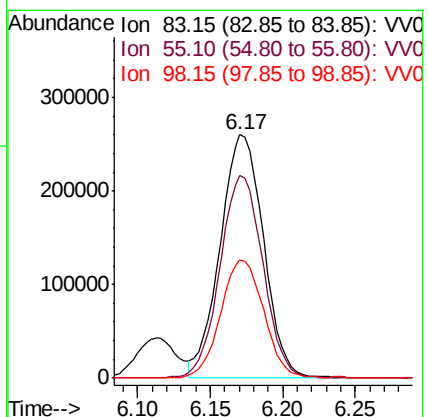
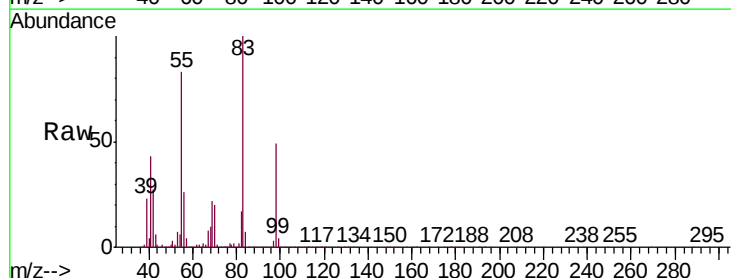
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

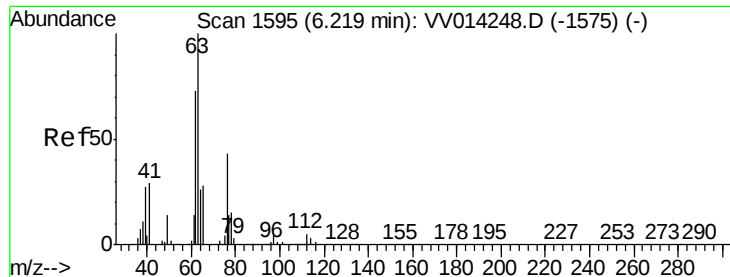
Tgt Ion: 95 Resp: 306446
 Ion Ratio Lower Upper
 95 100
 97 63.8 43.8 81.3
 132 90.4 63.4 117.8
 130 96.3 65.7 122.1



#35
 Methylcyclohexane
 Concen: 5.289 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion: 83 Resp: 538741
 Ion Ratio Lower Upper
 83 100
 55 82.2 61.7 92.5
 98 48.6 38.1 57.1





#37

1,2-Dichloropropane

Concen: 4.808 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

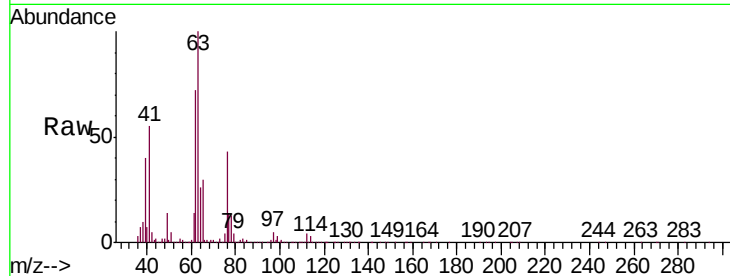
VSTD00548

Tgt Ion: 63 Resp: 294225

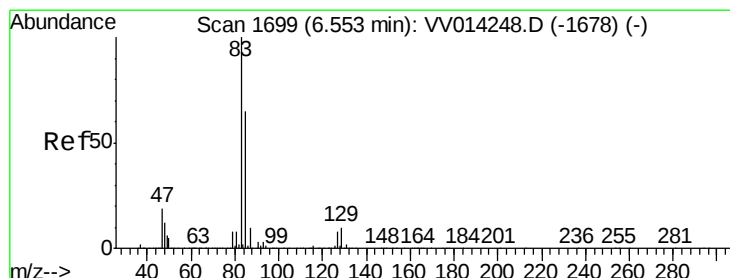
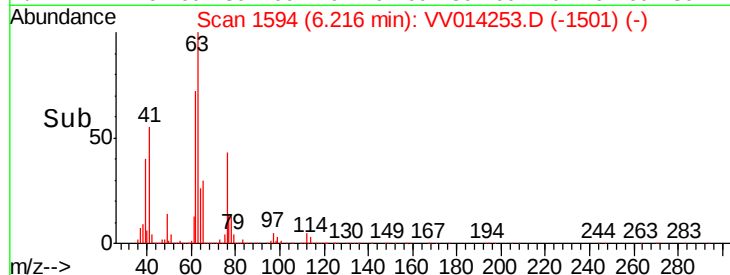
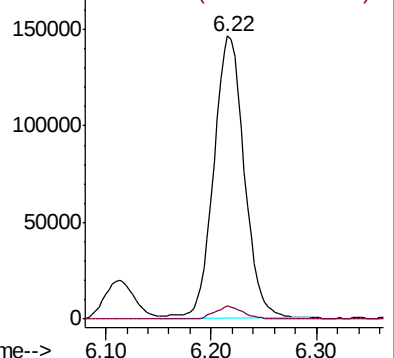
Ion Ratio Lower Upper

63 100

112 4.4 3.7 5.5



Abundance Ion 63.10 (62.80 to 63.80): VV014253.D (-1501) (-)



#38

Bromodichloromethane

Concen: 4.808 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

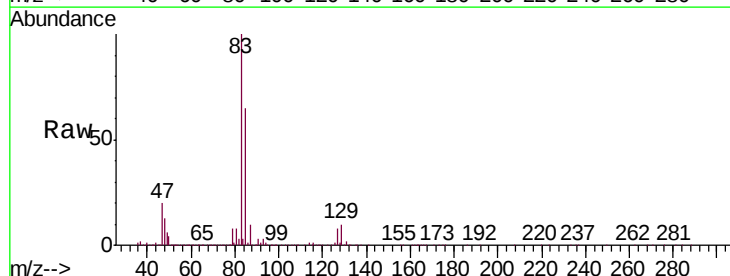
Tgt Ion: 83 Resp: 379360

Ion Ratio Lower Upper

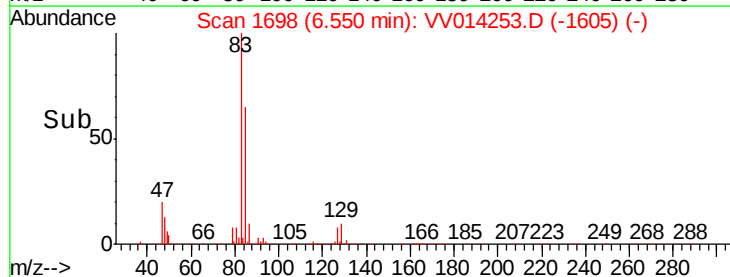
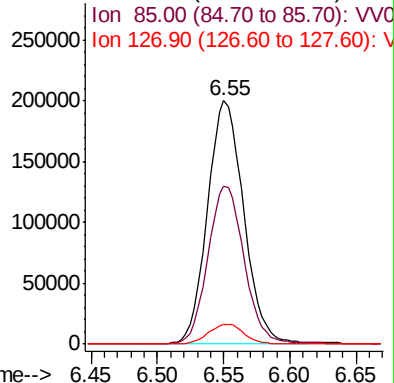
83 100

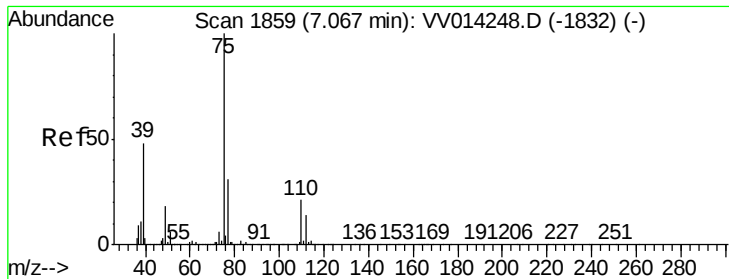
85 65.0 46.4 86.2

127 8.0 6.3 9.5



Abundance Ion 82.95 (82.65 to 83.65): VV014253.D (-1605) (-)





#39

cis-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

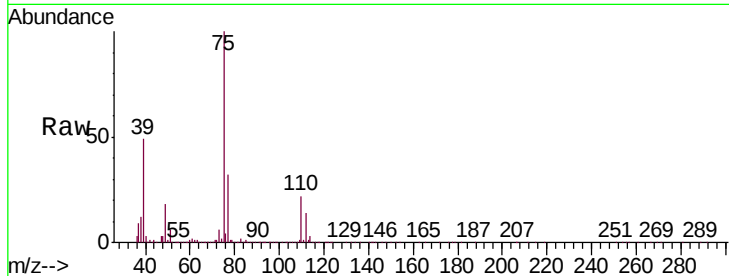
VSTD00548

Tgt Ion: 75 Resp: 474158

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

250000

200000

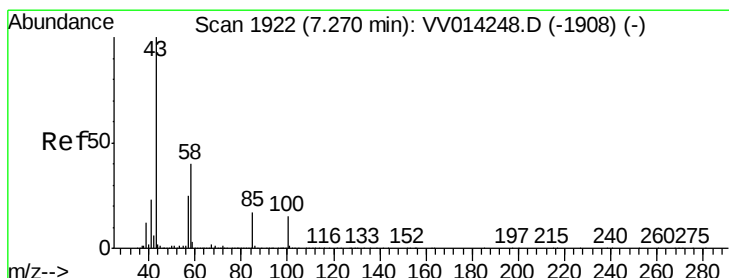
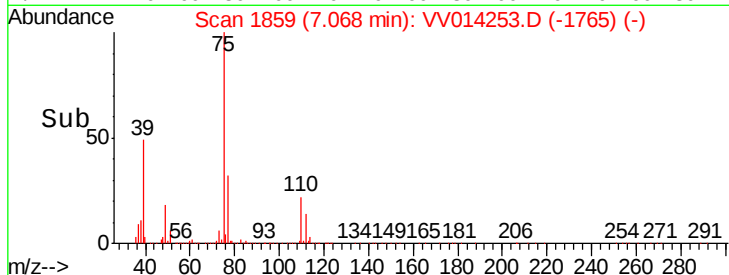
150000

100000

50000

0

Time-->



#40

4-Methyl-2-pentanone

Concen: 45.706 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

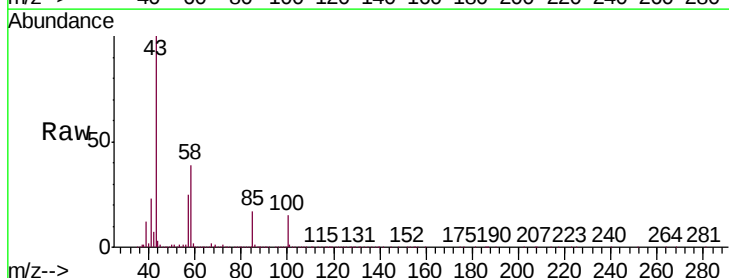
Tgt Ion: 43 Resp: 1763017

Ion Ratio Lower Upper

43 100

58 38.8 31.5 47.3

100 14.6 12.2 18.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

1200000

1000000

800000

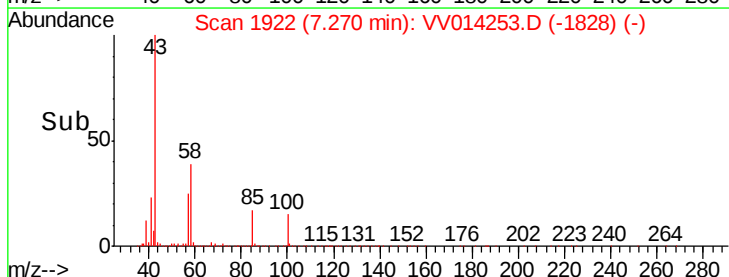
600000

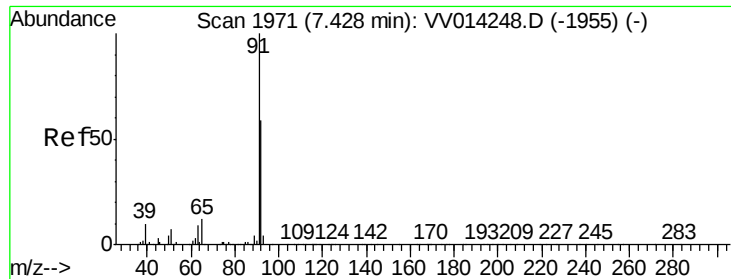
400000

200000

0

Time-->





#42

Toluene

Concen: 4.900 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

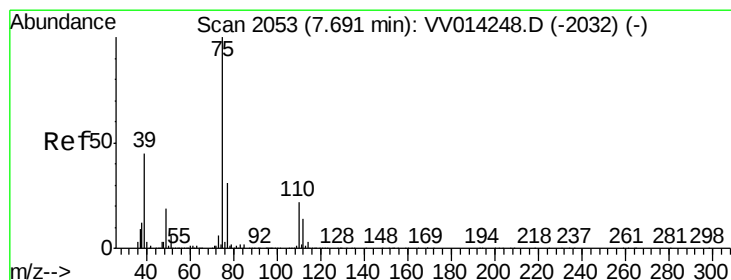
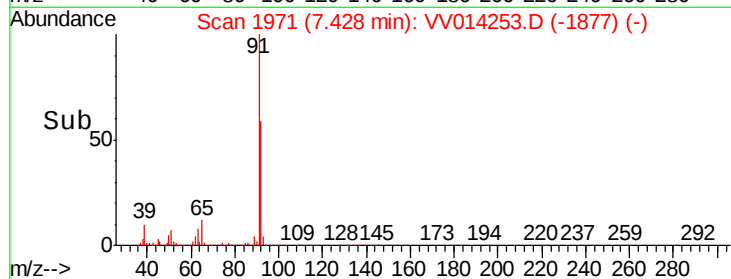
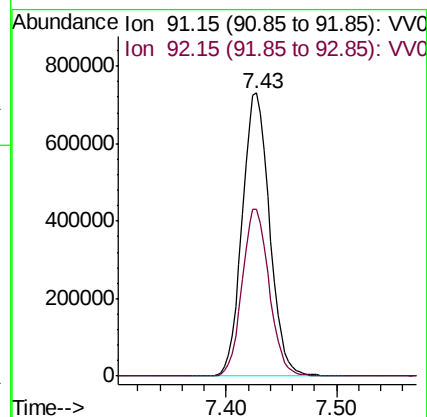
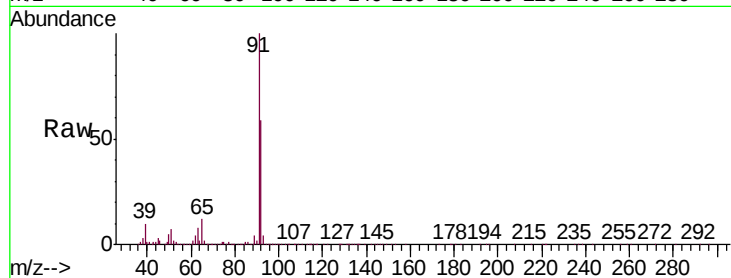
VSTD00548

Tgt Ion: 91 Resp: 1254021

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.745 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014253.D

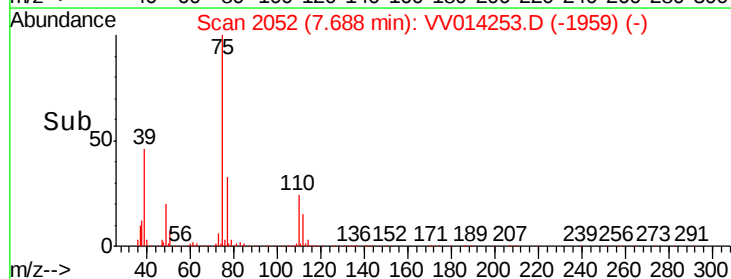
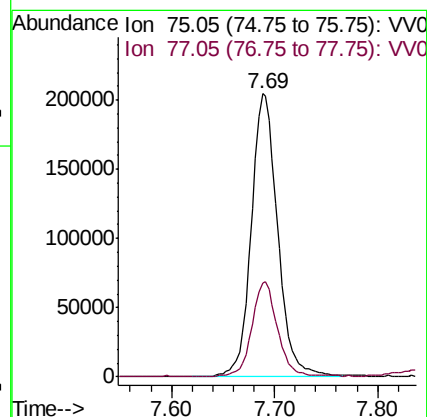
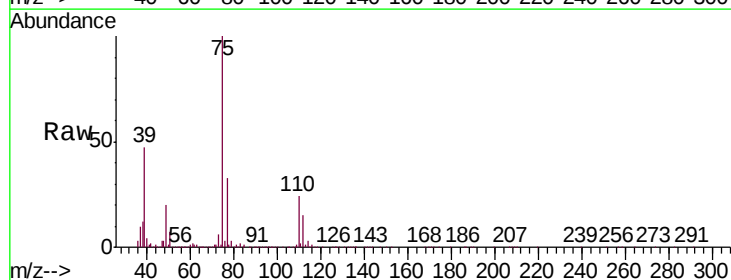
Acq: 03 Jan 2020 13:14

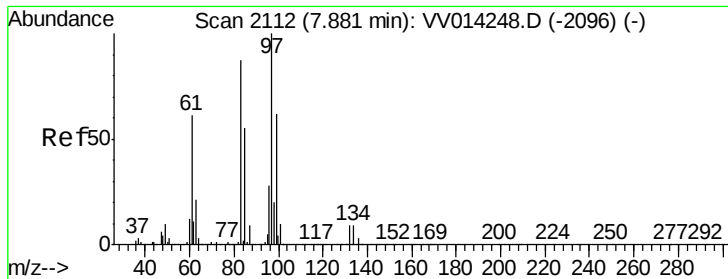
Tgt Ion: 75 Resp: 361002

Ion Ratio Lower Upper

75 100

77 33.3 22.0 41.0

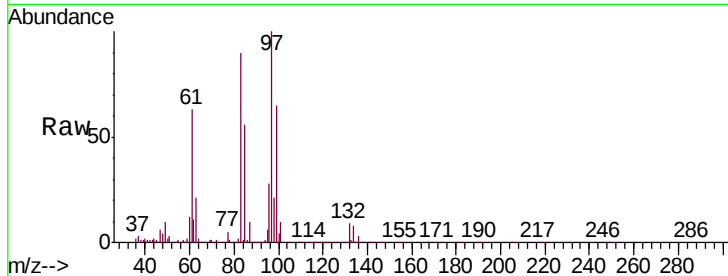




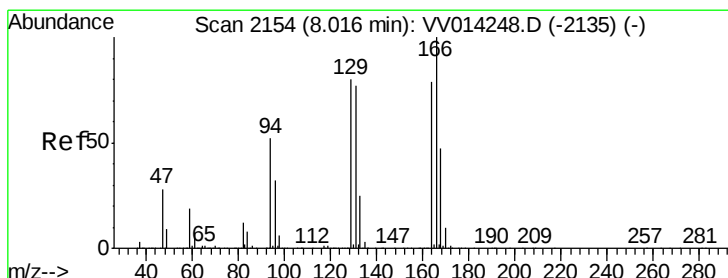
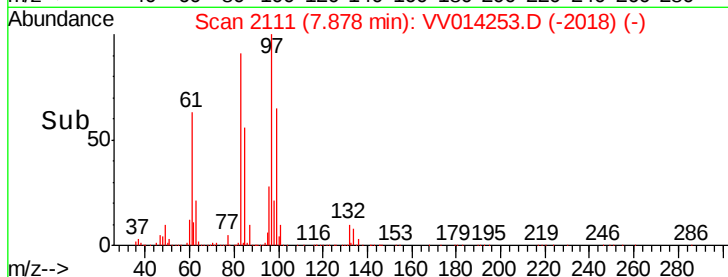
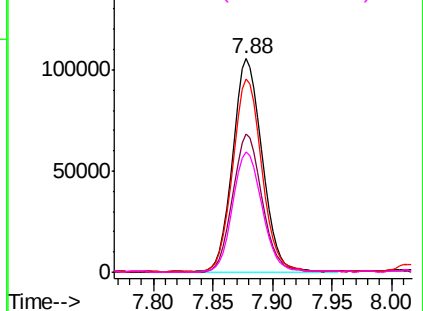
#45
 1,1,2-Trichloroethane
 Concen: 4.625 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion:	97	Resp:	180801
Ion	Ratio	Lower	Upper
97	100		
99	64.6	43.7	81.1
83	90.5	60.0	111.4
85	56.3	39.2	72.8

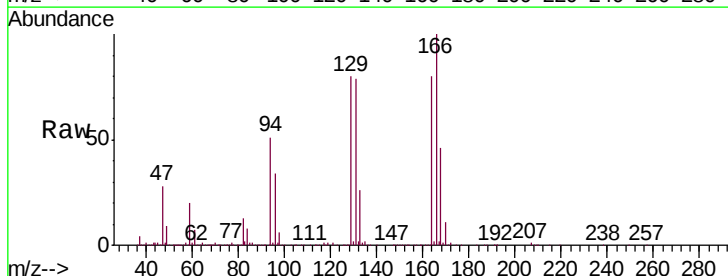


Abundance Ion 96.95 (96.65 to 97.65): VV014248.D (-2096) (-)
 Ion 99.05 (98.75 to 99.75): VV014248.D (-2096) (-)
 Ion 82.95 (82.65 to 83.65): VV014248.D (-2096) (-)
 Ion 85.00 (84.70 to 85.70): VV014248.D (-2096) (-)

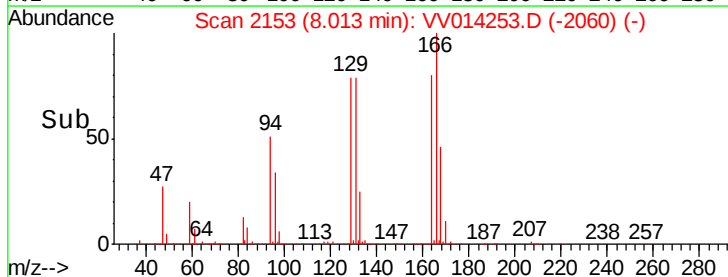
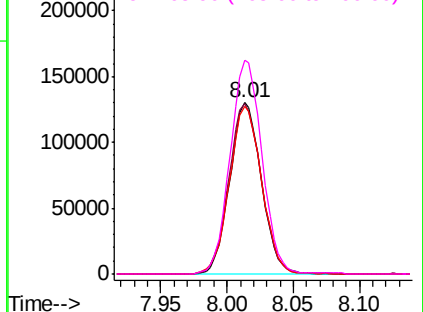


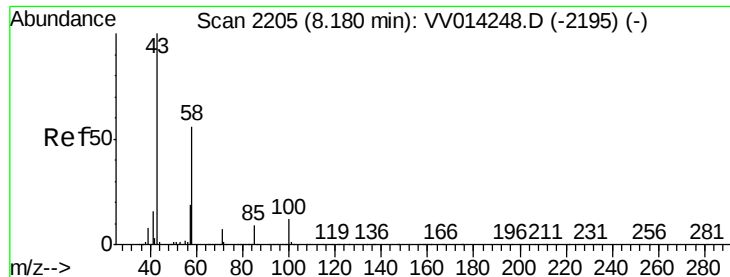
#47
 Tetrachloroethene
 Concen: 5.033 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion:	164	Resp:	214206
Ion	Ratio	Lower	Upper
164	100		
129	99.4	71.7	133.3
131	98.4	70.4	130.8
166	124.9	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): VV014248.D (-2135) (-)
 Ion 128.95 (128.65 to 129.65): VV014248.D (-2135) (-)
 Ion 130.95 (130.65 to 131.65): VV014248.D (-2135) (-)
 Ion 165.90 (165.60 to 166.60): VV014248.D (-2135) (-)

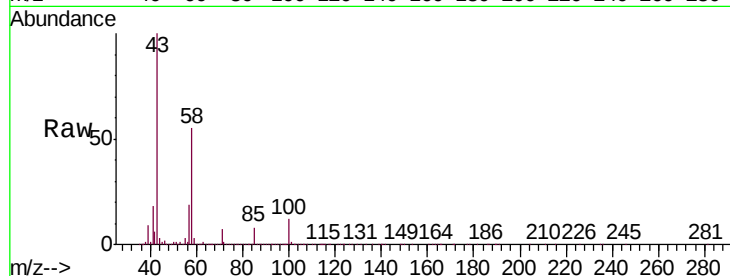




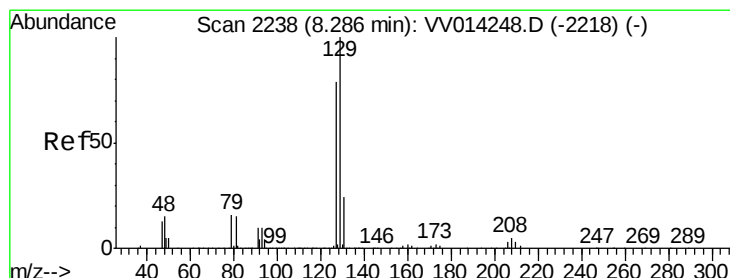
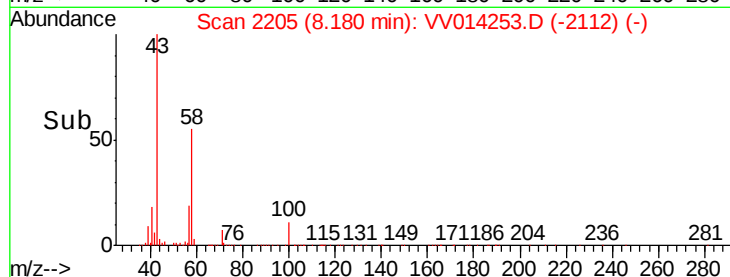
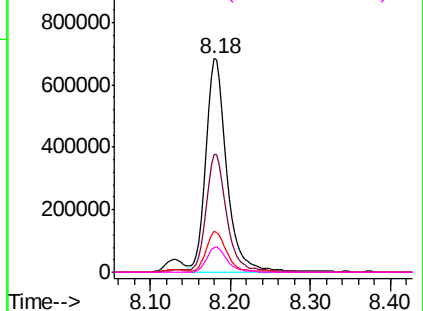
#48
2-Hexanone
Concen: 46.397 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Tgt Ion: 43 Resp: 1237866
Ion Ratio Lower Upper
43 100
58 54.6 45.4 68.0
57 18.8 15.8 23.8
100 11.6 10.2 15.4

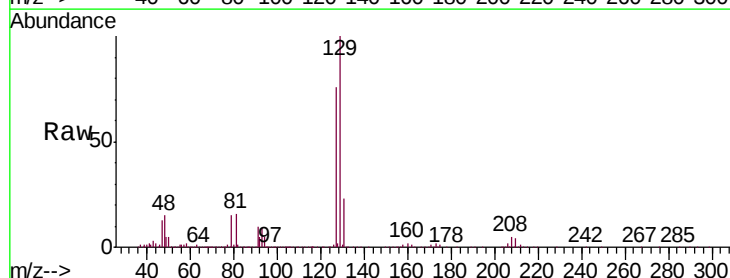


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

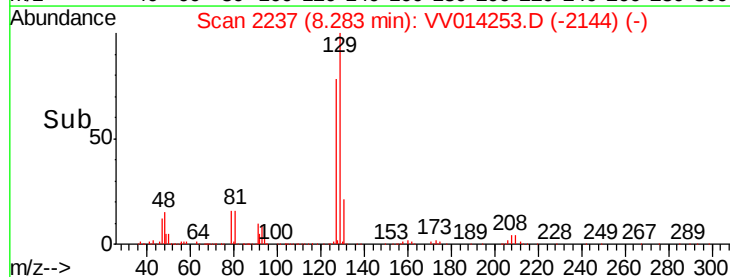
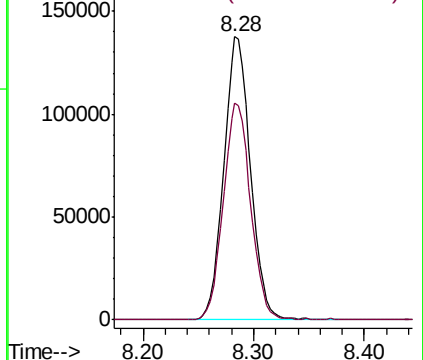


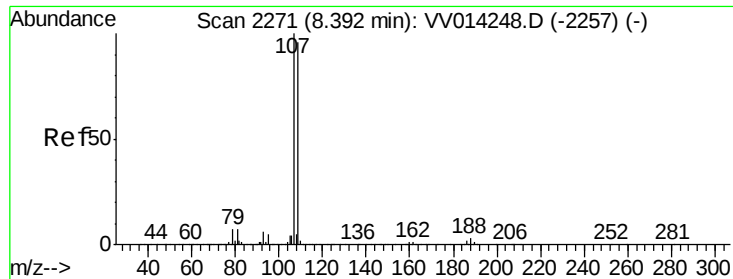
#49
Dibromochloromethane
Concen: 4.666 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VV014253.D
Acq: 03 Jan 2020 13:14

Tgt Ion: 129 Resp: 230575
Ion Ratio Lower Upper
129 100
127 76.5 55.7 103.5



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

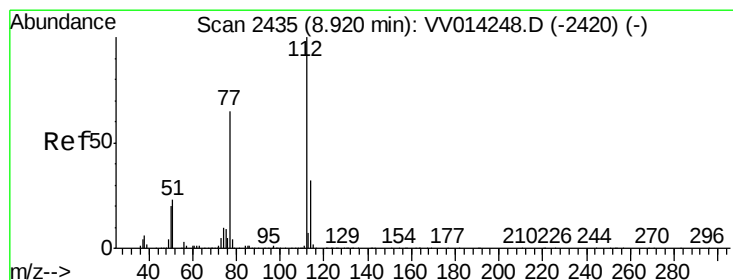
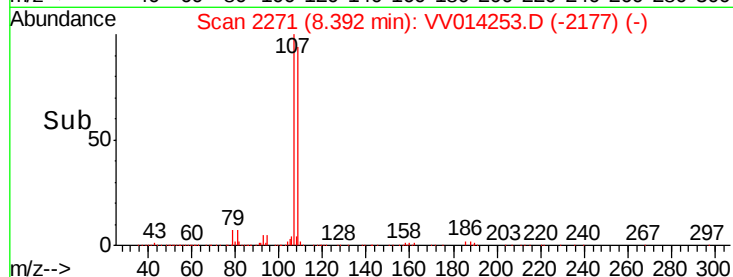
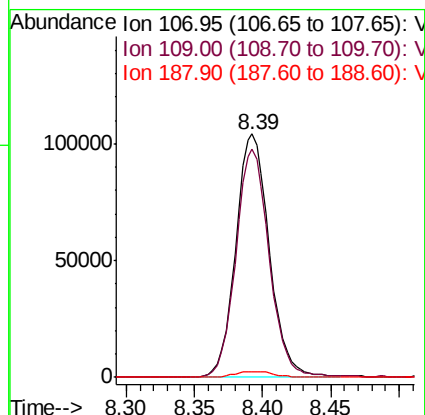
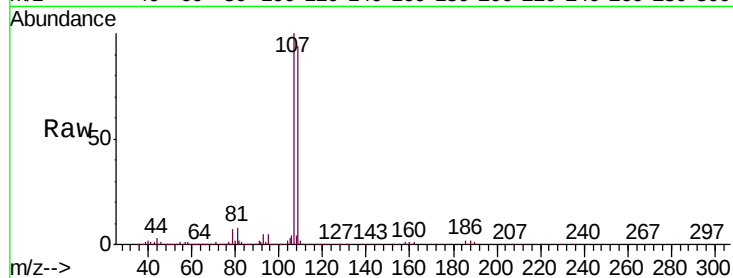




#50
 1,2-Dibromoethane
 Concen: 4.673 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

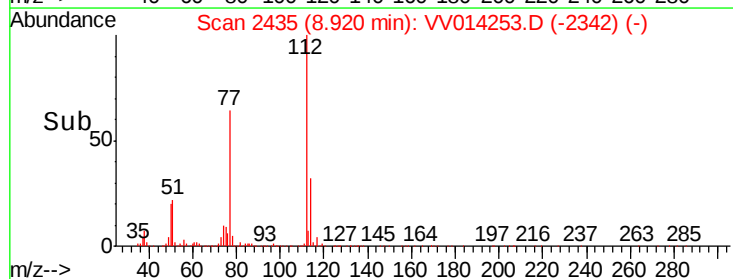
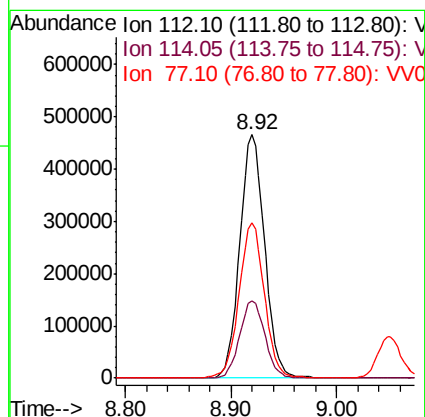
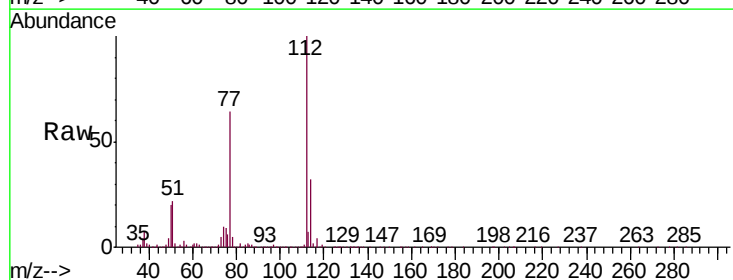
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

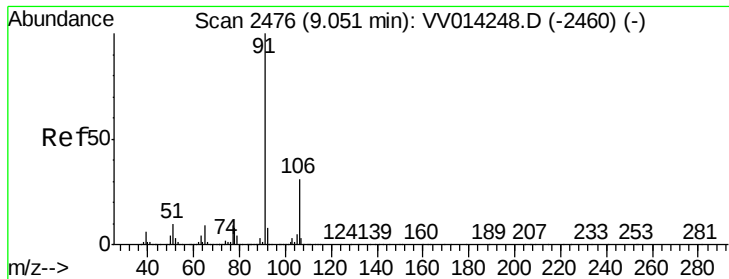
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	63.0	117.0
188	2.5	3.0	4.4#



#51
 Chlorobenzene
 Concen: 4.830 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	64.0	49.3	73.9





#52

Ethylbenzene

Concen: 5.030 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

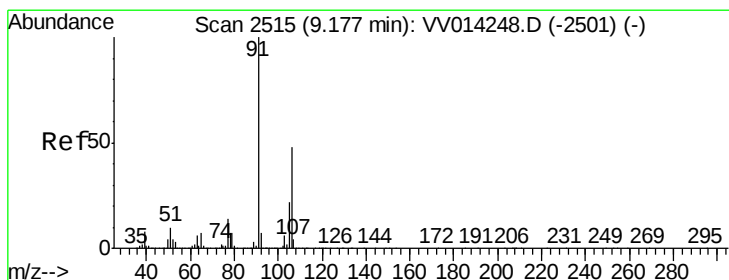
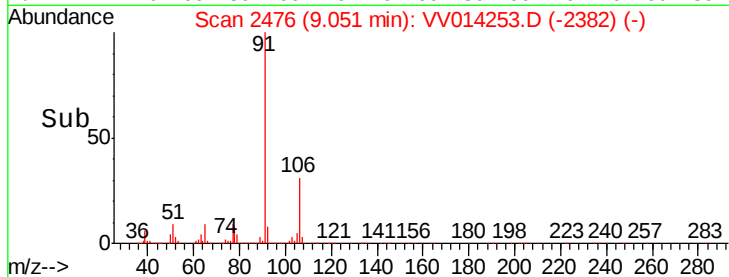
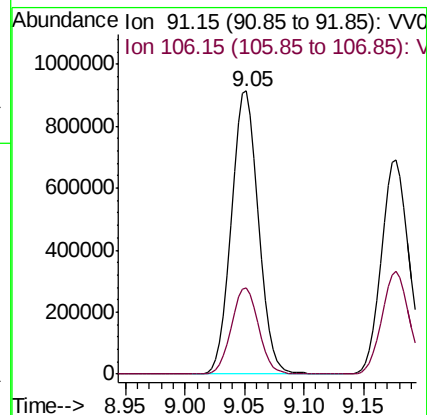
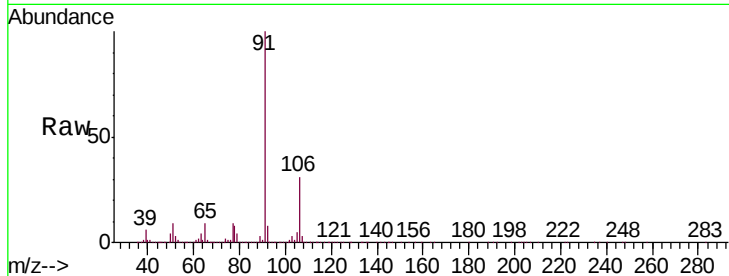
VSTD00548

Tgt Ion: 91 Resp: 1439871

Ion Ratio Lower Upper

91 100

106 30.5 21.6 40.0



#53

m,p-xylene

Concen: 5.004 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014253.D

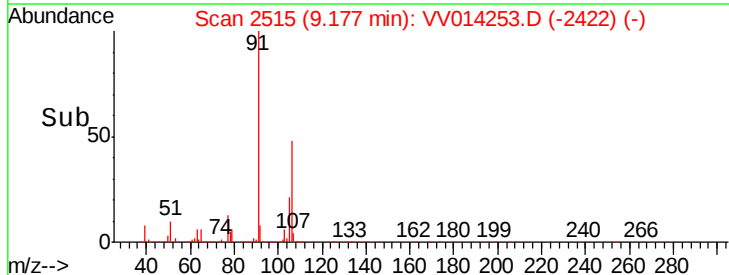
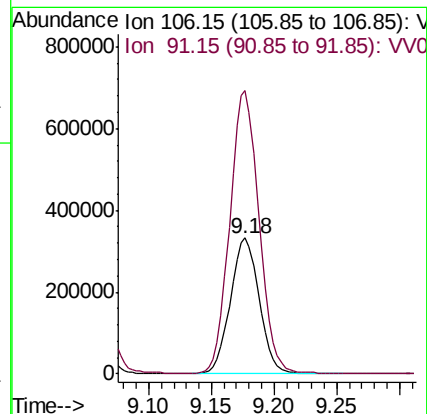
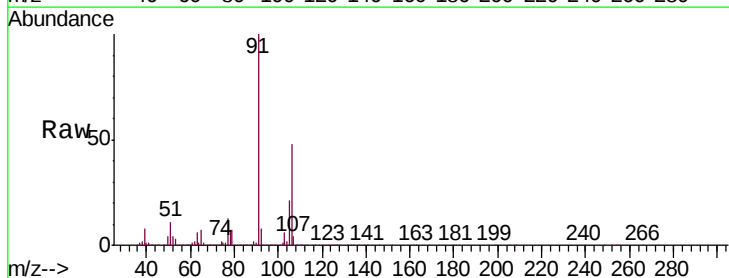
Acq: 03 Jan 2020 13:14

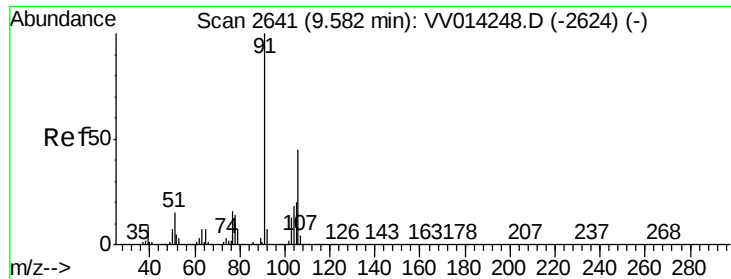
Tgt Ion: 106 Resp: 528452

Ion Ratio Lower Upper

106 100

91 208.4 146.8 272.6





#54

o-xylene

Concen: 4.968 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

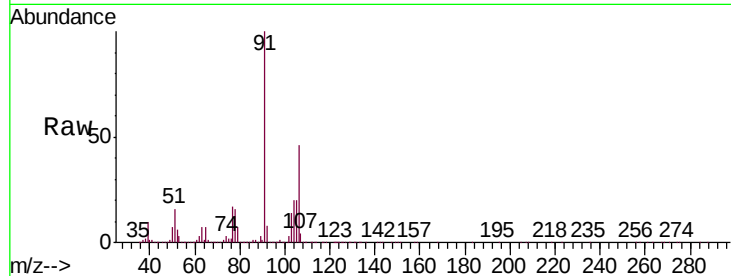
VSTD00548

Tgt Ion:106 Resp: 515924

Ion Ratio Lower Upper

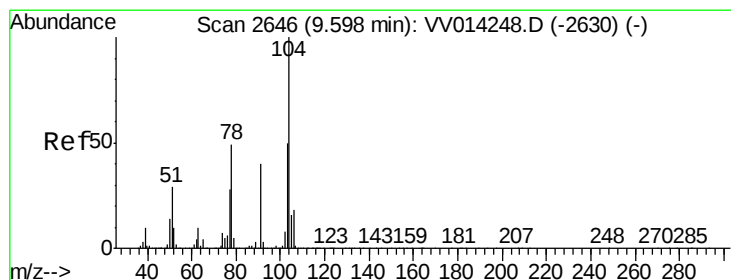
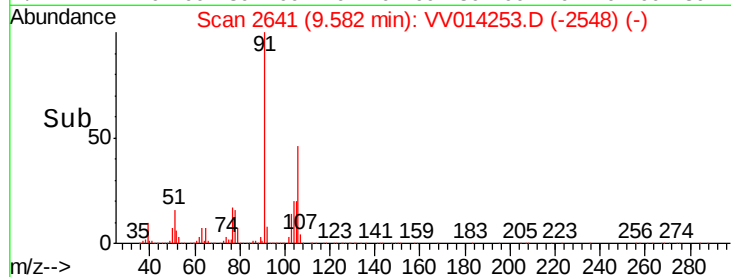
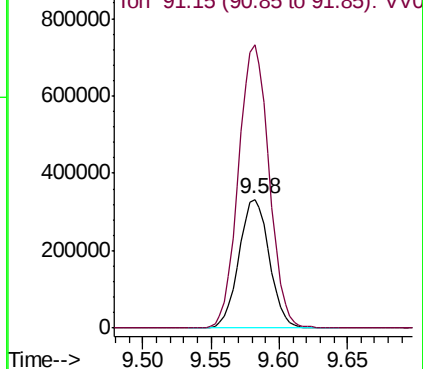
106 100

91 219.5 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.901 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014253.D

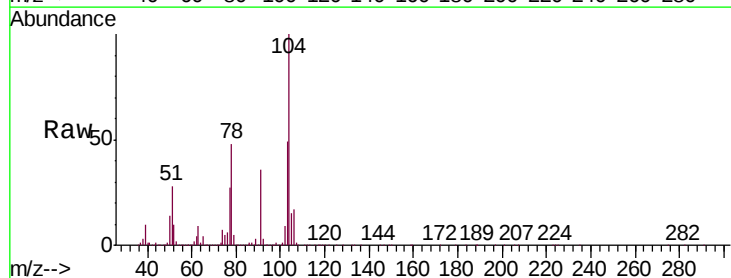
Acq: 03 Jan 2020 13:14

Tgt Ion:104 Resp: 862266

Ion Ratio Lower Upper

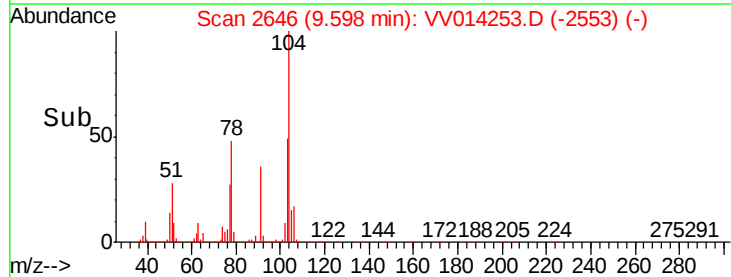
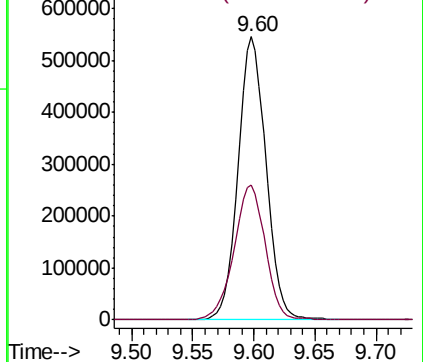
104 100

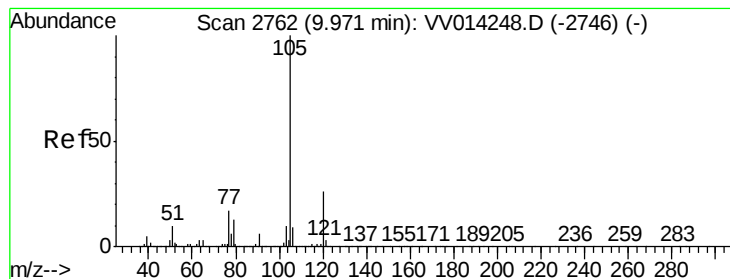
78 47.5 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.045 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

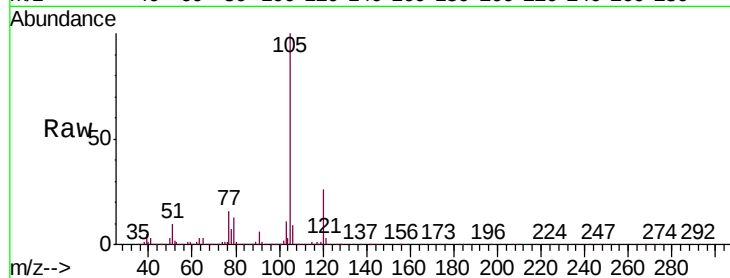
Tgt Ion: 105 Resp: 1366785

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

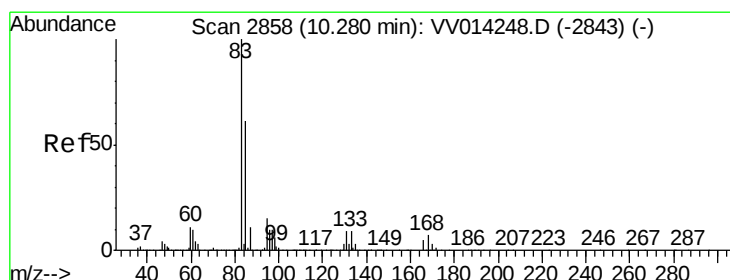
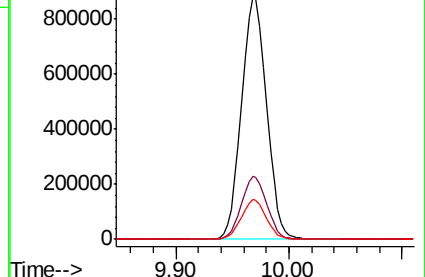
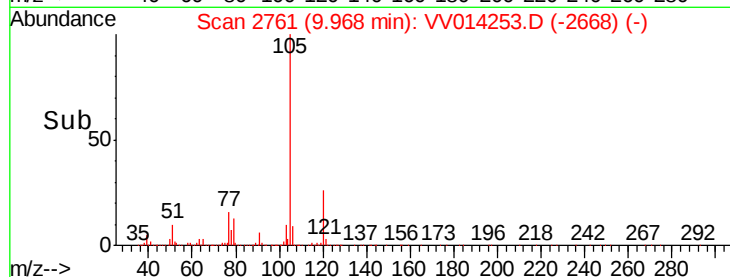
77 16.1 12.5 18.7



Abundance Ion 105.05 (104.75 to 105.75): VV014248.D (-2746) (-)

Ion 120.10 (119.80 to 120.80): VV014248.D (-2746) (-)

Ion 77.10 (76.80 to 77.80): VV014248.D (-2746) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 4.700 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

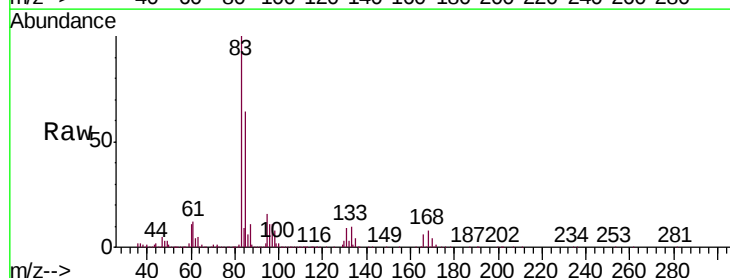
Tgt Ion: 83 Resp: 226557

Ion Ratio Lower Upper

83 100

85 64.1 45.9 85.3

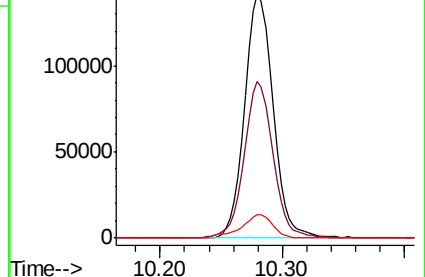
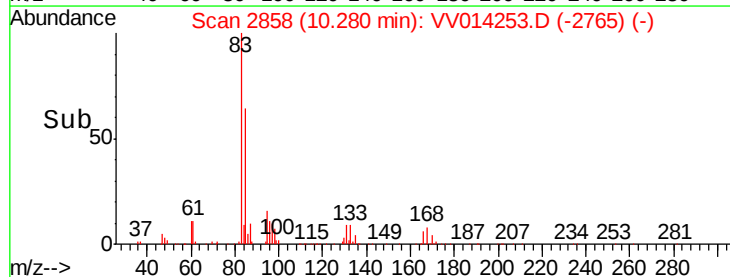
131 9.4 7.8 11.8

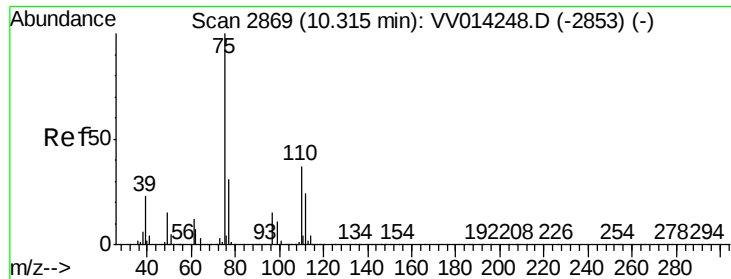


Abundance Ion 82.95 (82.65 to 83.65): VV014248.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV014248.D (-2843) (-)

Ion 130.95 (130.65 to 131.65): VV014248.D (-2843) (-)





#59

1,2,3-Trichloropropane

Concen: 4.582 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

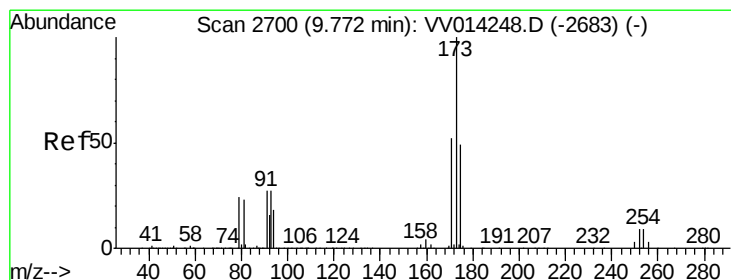
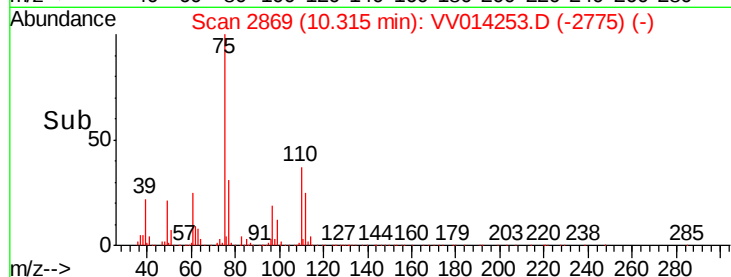
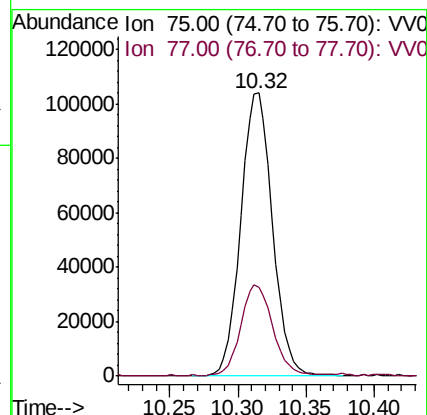
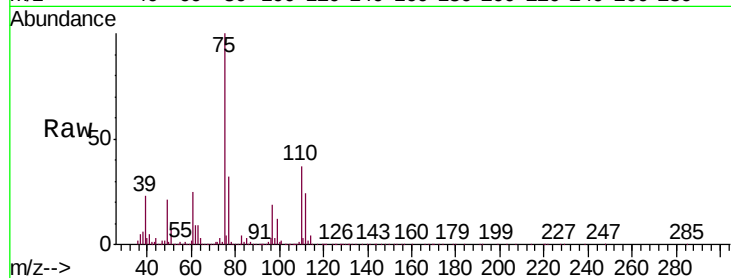
VSTD00548

Tgt Ion: 75 Resp: 167077

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#61

Bromoform

Concen: 4.771 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

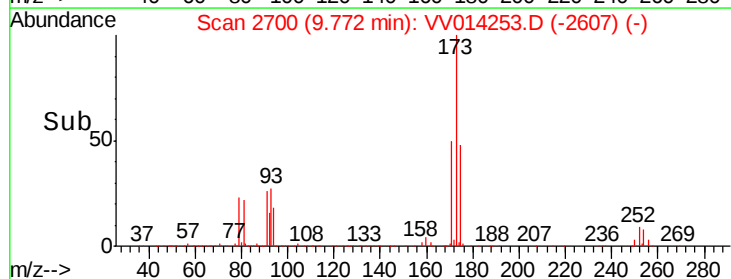
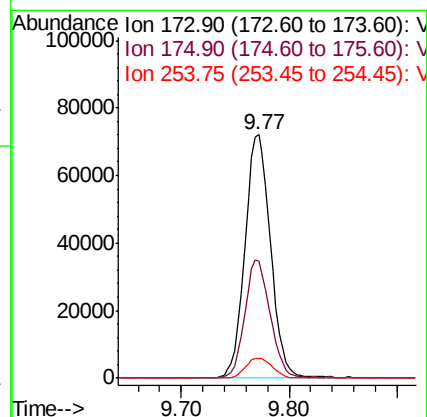
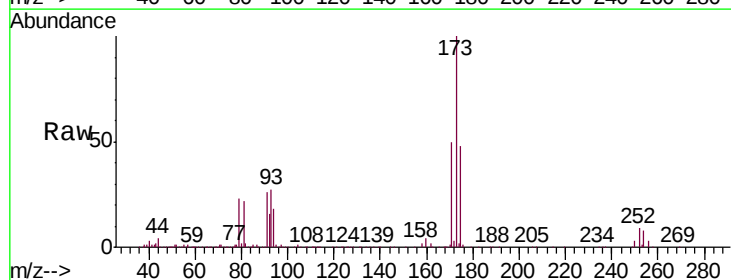
Tgt Ion: 173 Resp: 118586

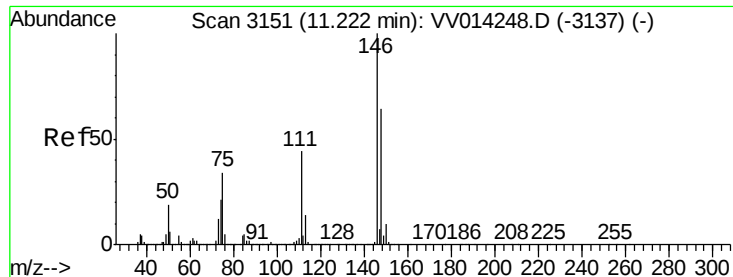
Ion Ratio Lower Upper

173 100

175 48.1 37.9 56.9

254 8.6 7.6 11.4

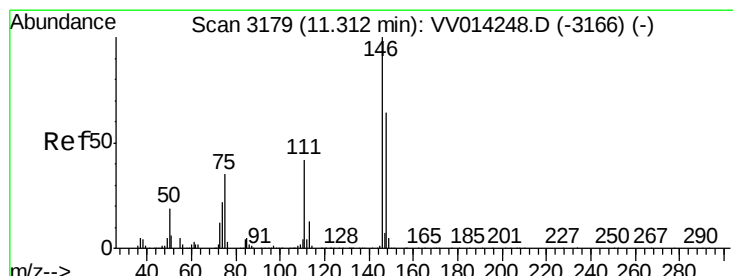
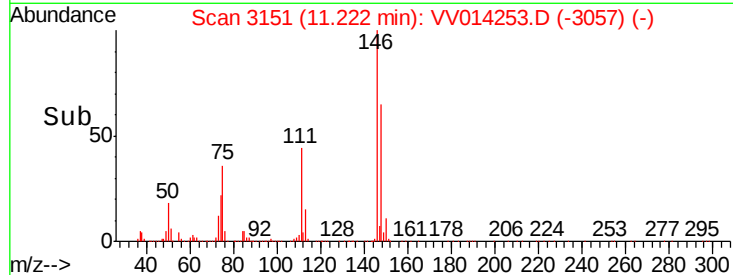
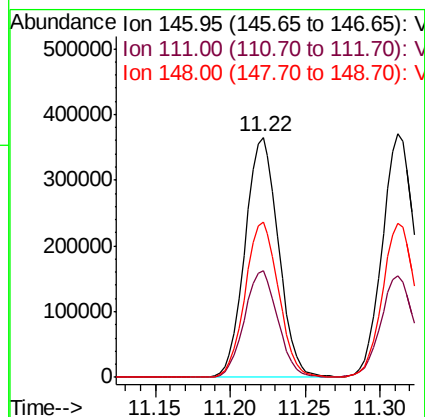
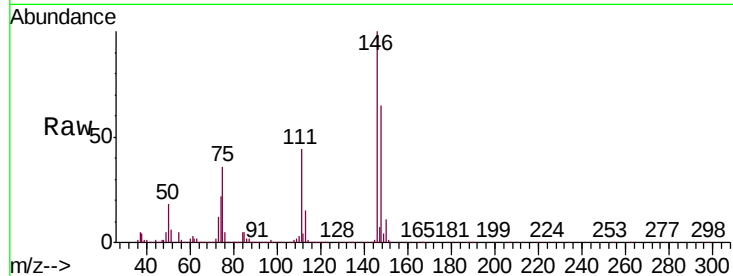




#62
 1,3-Dichlorobenzene
 Concen: 4.947 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

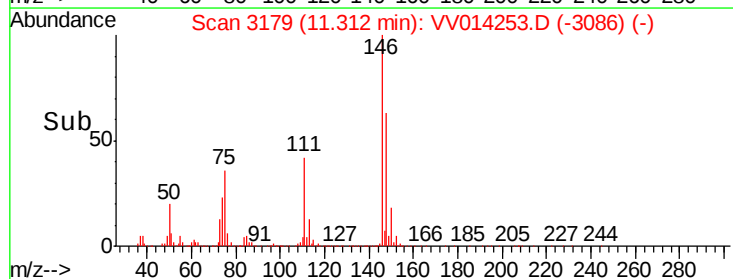
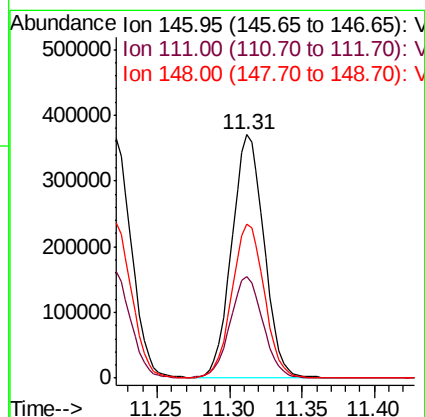
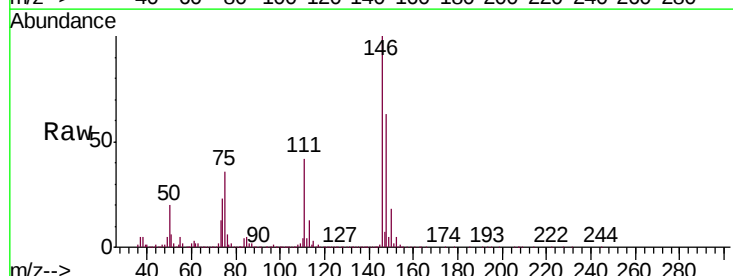
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

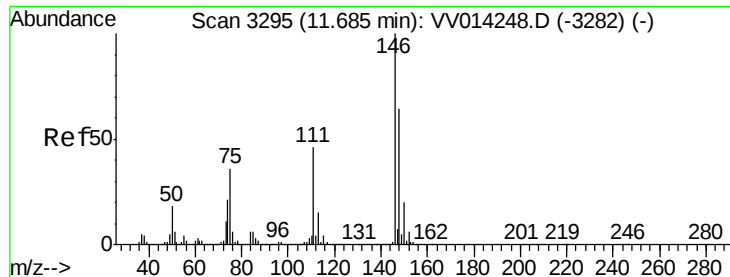
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	30.7	57.1
148	64.6	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.982 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	28.8	53.4
148	63.2	44.5	82.7





#65

1,2-Dichlorobenzene

Concen: 4.954 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampled :

VSTD00548

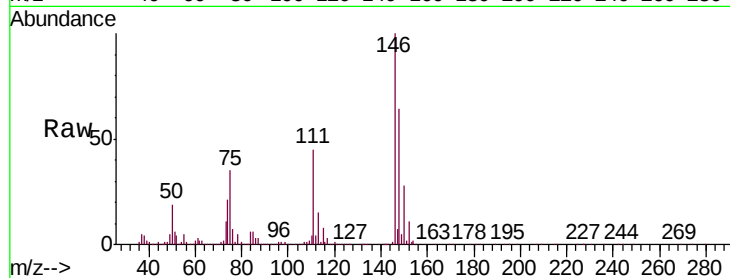
Tgt Ion:146 Resp: 512981

Ion Ratio Lower Upper

146 100

111 45.1 36.4 54.6

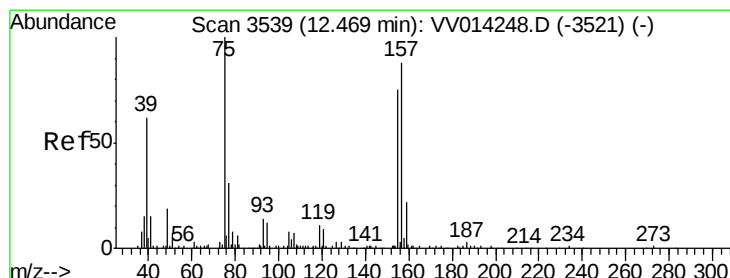
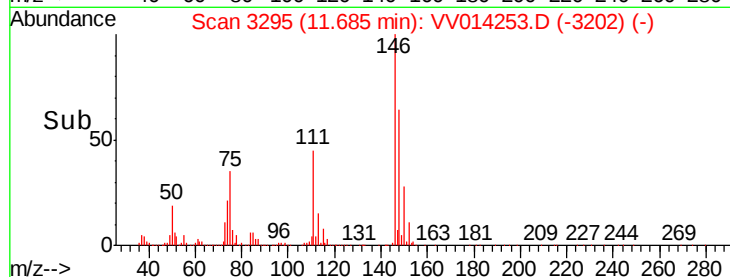
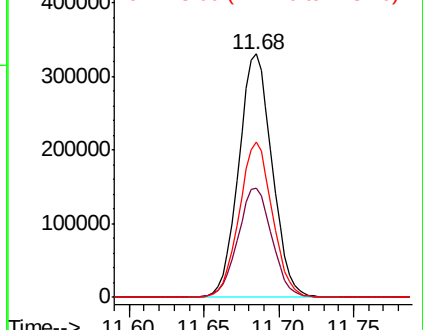
148 63.6 51.3 76.9



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.499 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

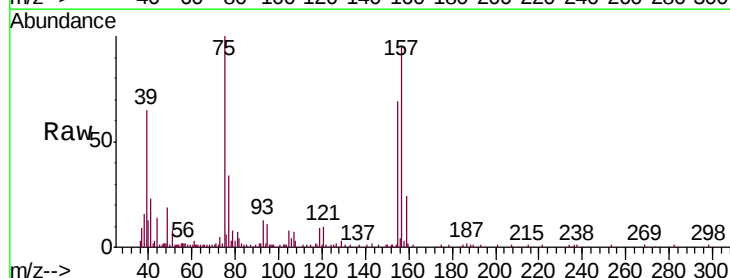
Tgt Ion: 75 Resp: 42815

Ion Ratio Lower Upper

75 100

155 68.7 56.9 85.3

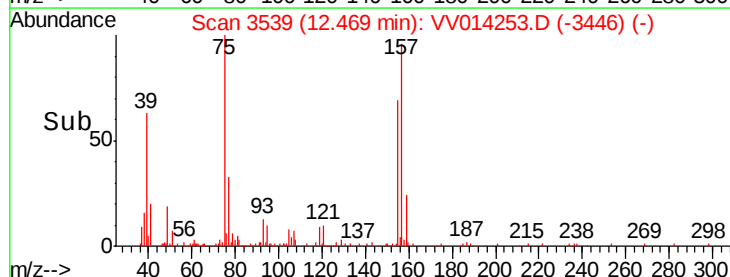
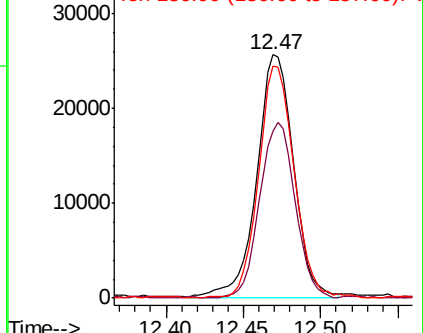
157 95.3 82.0 123.0

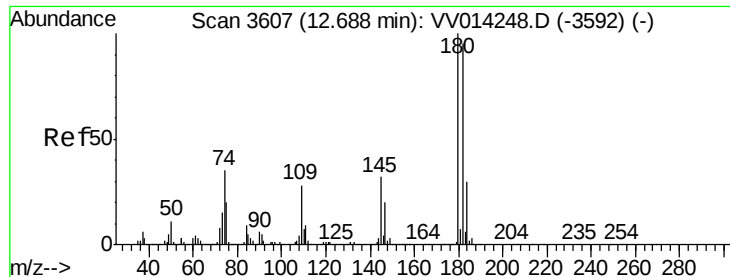


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

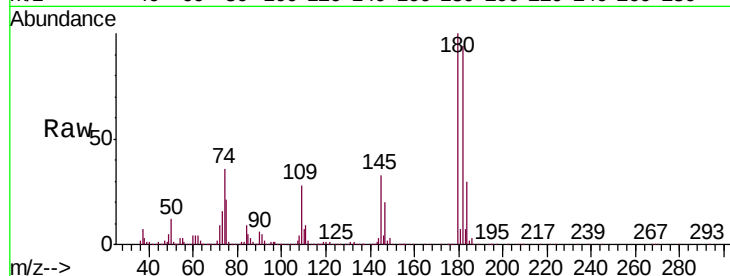




#67
 1,3,5-Trichlorobenzene
 Concen: 5.022 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion:	180	Resp:	418699
Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.2	115.8
184	29.8	24.6	36.8
145	32.1	26.9	40.3



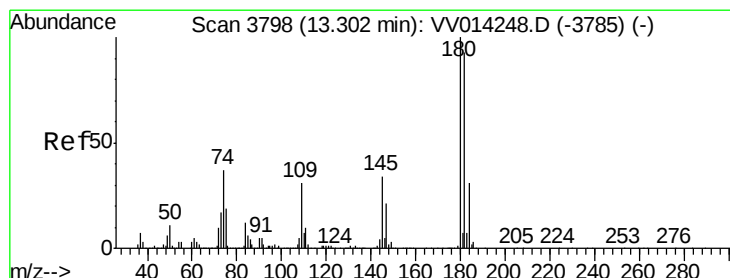
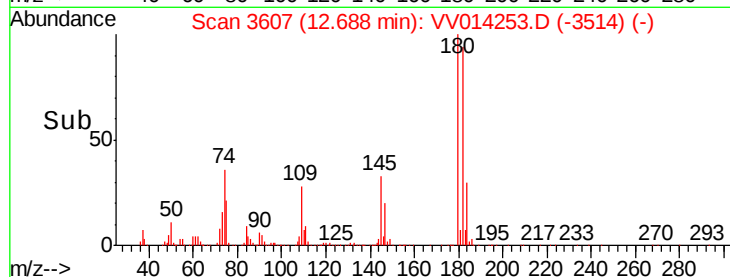
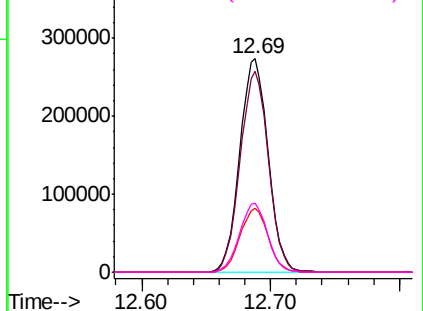
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

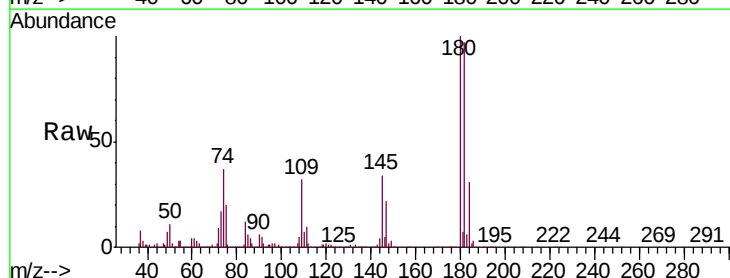
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.896 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014253.D
 Acq: 03 Jan 2020 13:14

Tgt Ion:	180	Resp:	358005
Ion	Ratio	Lower	Upper
180	100		
182	95.4	75.2	112.8
145	34.2	26.2	39.4

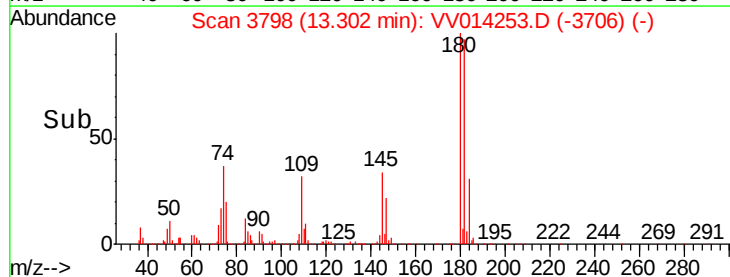
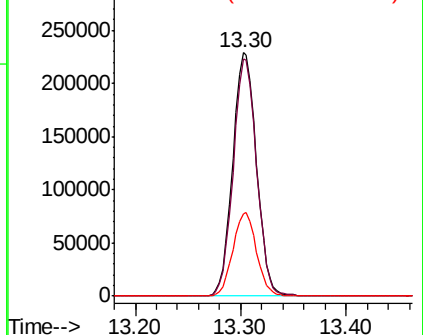


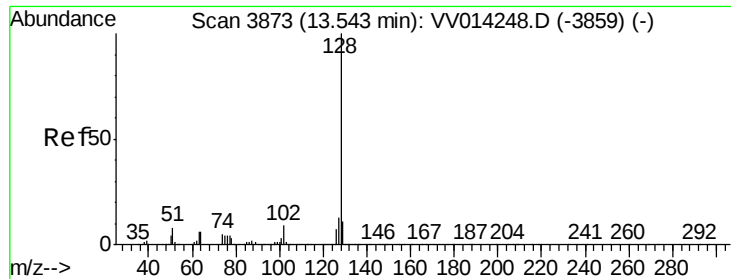
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.668 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

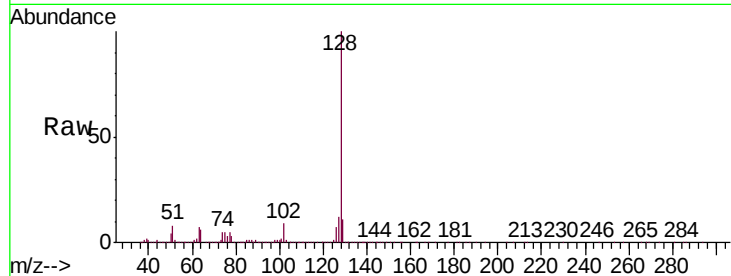
Tgt Ion:128 Resp: 693492

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

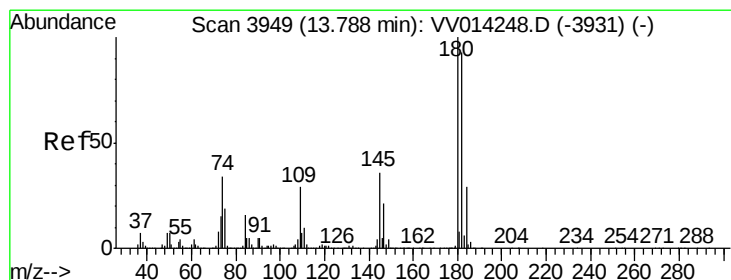
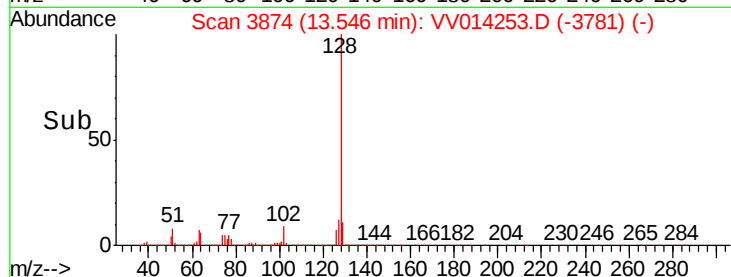
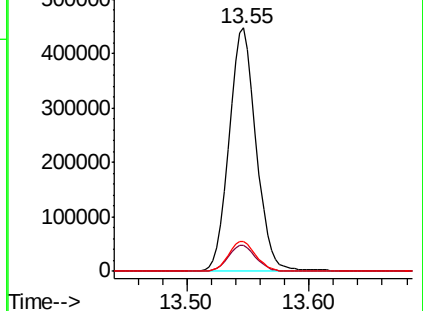
127 12.5 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.786 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014253.D

Acq: 03 Jan 2020 13:14

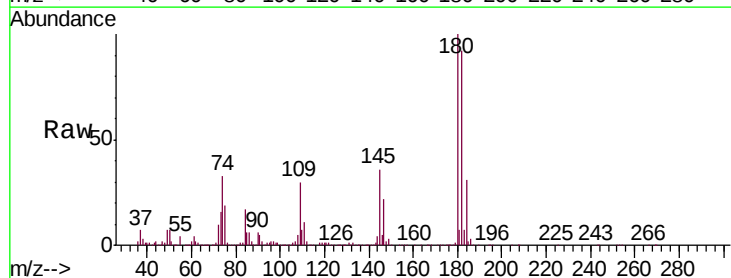
Tgt Ion:180 Resp: 307969

Ion Ratio Lower Upper

180 100

182 93.6 74.8 112.2

145 36.7 29.0 43.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

