

Data File : VV013246.D
Acq On : 21 Oct 2019 16:01
Operator : SY/MD
Sample : VSTD00132
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Quant Time: Oct 22 01:54:13 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 01:49:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.68	114	512018	5.00	ug/L	0.02
28) Chlorobenzene-d5	8.89	117	523442	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	294546	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35150	0.70	ug/L	0.00
7) Chloroethane-d5	1.58	69	27670	0.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	62605	0.79	ug/L	0.00
20) 2-Butanone-d5	3.99	46	32486	3.22	ug/L	0.00
24) Chloroform-d	4.39	84	82837	0.83	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	38185	0.81	ug/L	0.00
32) Benzene-d6	5.09	84	156820	0.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	47506	0.81	ug/L	0.00
41) Toluene-d8	7.36	98	132162	0.76	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	16988	0.81	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	49653	5.94	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33721	0.80	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	52261	0.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	50774	0.804 ug/L	97
3) Chloromethane	1.24	50	44195	0.740 ug/L	99
5) Vinyl chloride	1.32	62	43629	0.819 ug/L	99
6) Bromomethane	1.53	94	23550	0.790 ug/L	97
8) Chloroethane	1.60	64	26540	0.862 ug/L	91
9) Trichlorofluoromethane	1.76	101	64220	0.844 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	36995	0.853 ug/L	97
12) 1,1-Dichloroethene	2.14	96	35805	0.864 ug/L	95
13) Acetone	2.48	43	7863	1.569 ug/L	75
14) Carbon disulfide	2.32	76	98856	0.838 ug/L	97
15) Methyl Acetate	2.48	43	8379	0.717 ug/L #	80
16) Methylene chloride	2.54	84	86210	1.704 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	71142	0.668 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	37083	0.710 ug/L	99
19) 1,1-Dichloroethane	3.22	63	59088	0.639 ug/L	98
21) 2-Butanone	4.09	43	75982	6.605 ug/L	76
22) cis-1,2-Dichloroethene	3.95	96	48651	0.904 ug/L #	83
23) Bromochloromethane	4.29	128	20605	0.824 ug/L	97
25) Chloroform	4.42	83	91046	0.884 ug/L	100
27) 1,2-Dichloroethane	5.18	62	47056	0.833 ug/L #	93
29) 1,1,1-Trichloroethane	4.65	97	68258	0.845 ug/L	97
30) Cyclohexane	4.71	56	68482	0.826 ug/L	98
31) Carbon tetrachloride	4.86	117	60706	0.849 ug/L	98
33) Benzene	5.14	78	177430	0.846 ug/L	100
34) Trichloroethene	5.97	95	46876	0.858 ug/L	90
35) Methylcyclohexane	6.18	83	65674	0.789 ug/L	98
37) 1,2-Dichloropropane	6.23	63	41946	0.814 ug/L	97
38) Bromodichloromethane	6.57	83	54358	0.830 ug/L	97
39) cis-1,3-Dichloropropene	7.08	75	54752	0.794 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	193386	7.039 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 01:49:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	174752	0.809	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	42824	0.810	ug/L	94
45) 1,1,2-Trichloroethane	7.89	97	30530	0.859	ug/L	93
47) Tetrachloroethene	8.02	164	43321	0.900	ug/L	97
48) 2-Hexanone	8.20	43	140844	7.100	ug/L	99
49) Dibromochloromethane	8.29	129	35551	0.834	ug/L	97
50) 1,2-Dibromoethane	8.40	107	29230	0.909	ug/L #	97
51) Chlorobenzene	8.92	112	119908	0.859	ug/L	98
52) Ethylbenzene	9.05	91	172209	0.767	ug/L	100
53) m,p-xylene	9.18	106	63386	0.746	ug/L	96
54) o-xylene	9.59	106	58889	0.719	ug/L	96
55) Styrene	9.60	104	92867	0.674	ug/L	98
56) Isopropylbenzene	9.97	105	154663	0.716	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	32927	0.801	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	25518	0.853	ug/L	98
61) Bromoform	9.77	173	20238	0.853	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	90495	0.863	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	94407	0.900	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	84541	0.853	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	4842	0.782	ug/L #	81
67) 1,3,5-Trichlorobenzene	12.69	180	64765	0.842	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	54166	0.815	ug/L	99
69) Naphthalene	13.55	128	61094	0.603	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	49886	0.756	ug/L	97

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

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

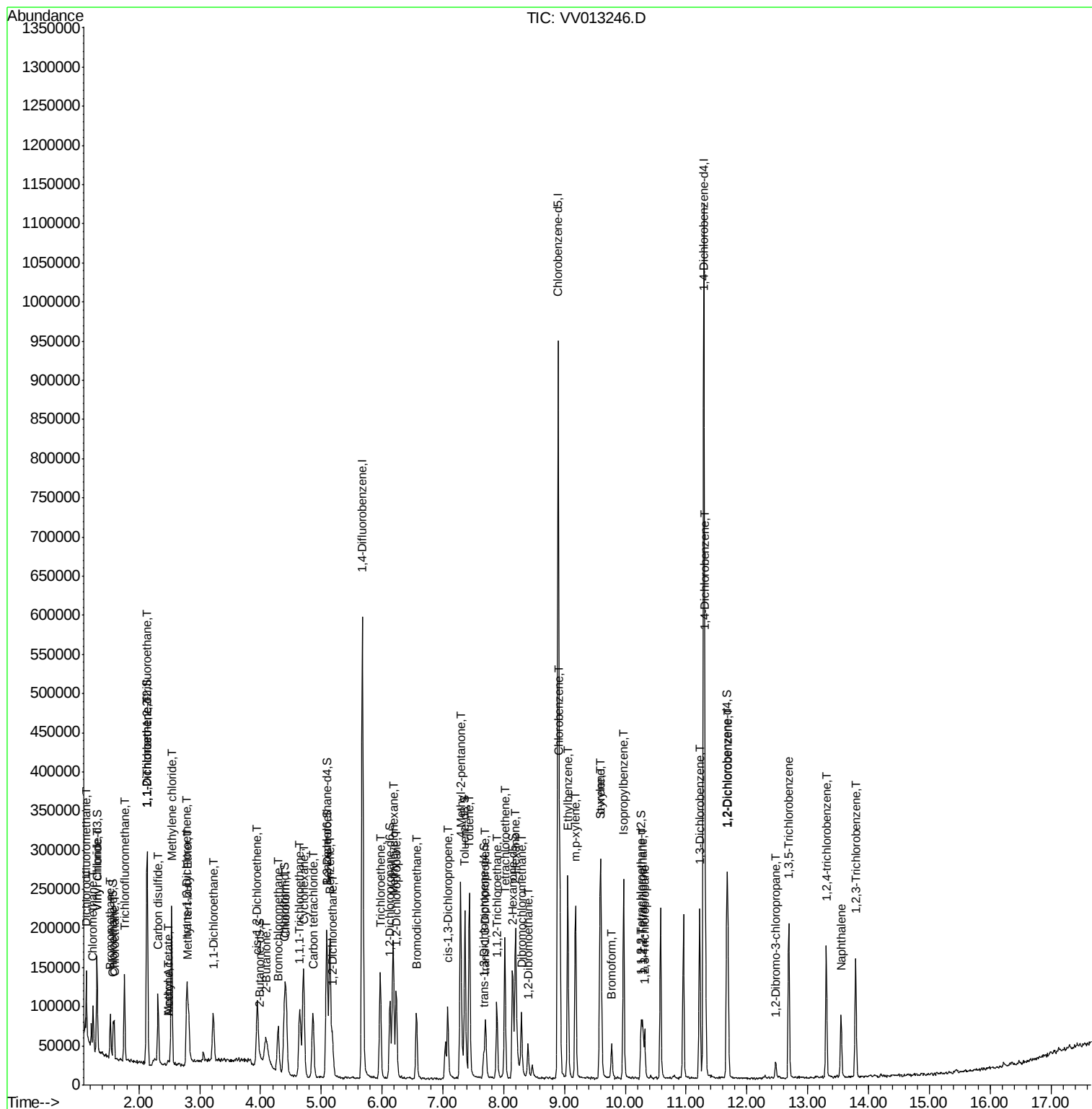
Quant Time: Oct 22 01:54:13 2019

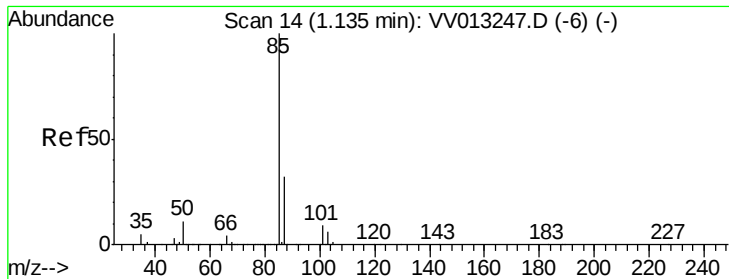
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Oct 22 01:49:59 2019

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#2

Dichlorodifluoromethane

Concen: 0.804 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

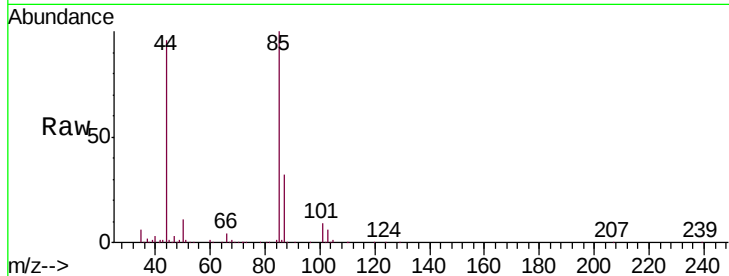
VSTD00132

Tgt Ion: 85 Resp: 50774

Ion Ratio Lower Upper

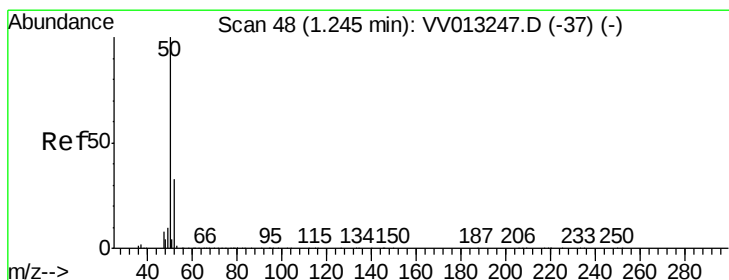
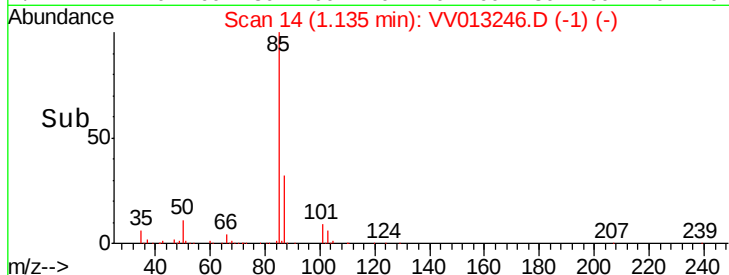
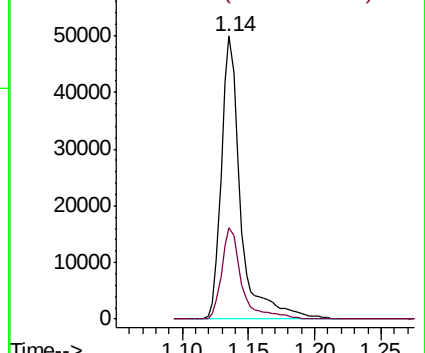
85 100

87 33.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.740 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV013246.D

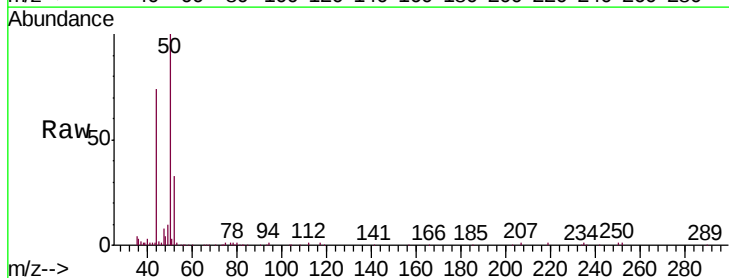
Acq: 21 Oct 2019 16:01

Tgt Ion: 50 Resp: 44195

Ion Ratio Lower Upper

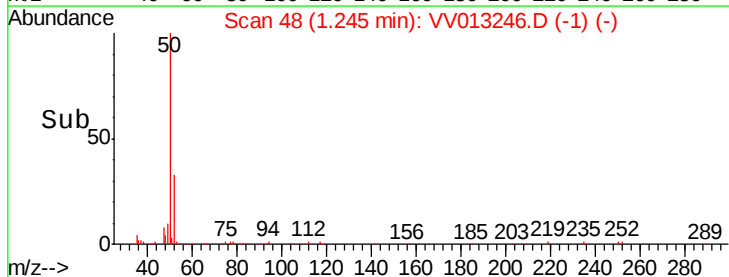
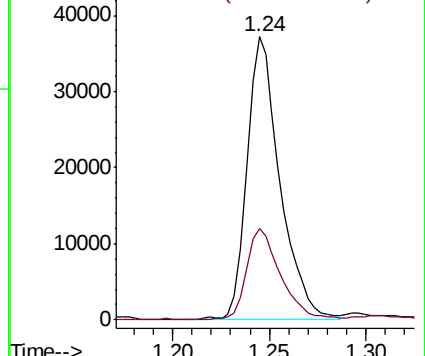
50 100

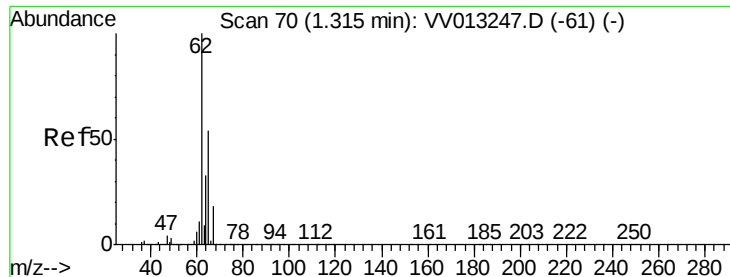
52 32.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.819 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

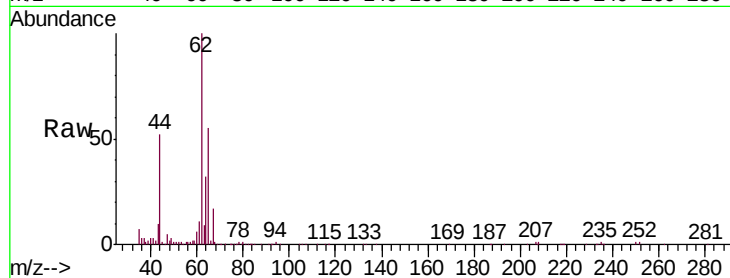
VSTD00132

Tgt Ion: 62 Resp: 43629

Ion Ratio Lower Upper

62 100

64 31.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

40000

30000

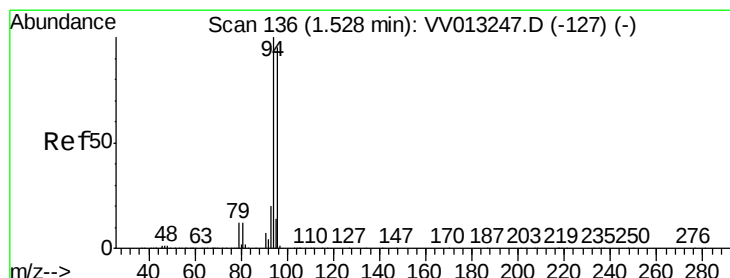
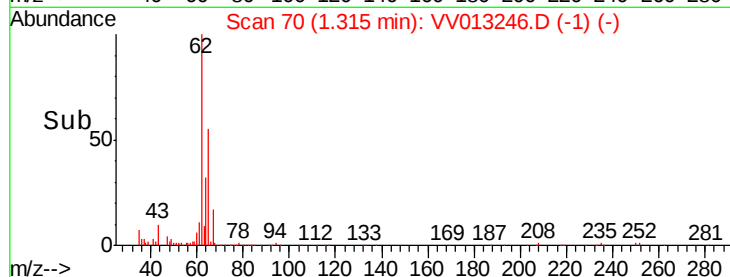
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 0.790 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013246.D

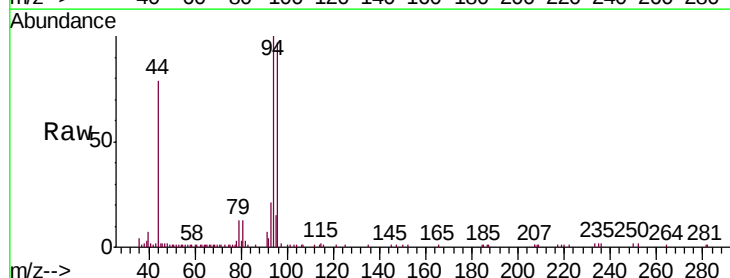
Acq: 21 Oct 2019 16:01

Tgt Ion: 94 Resp: 23550

Ion Ratio Lower Upper

94 100

96 97.4 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

20000

15000

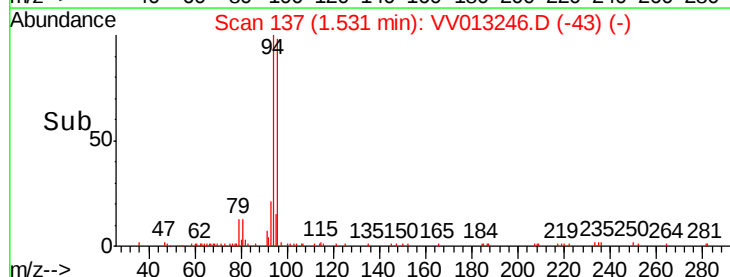
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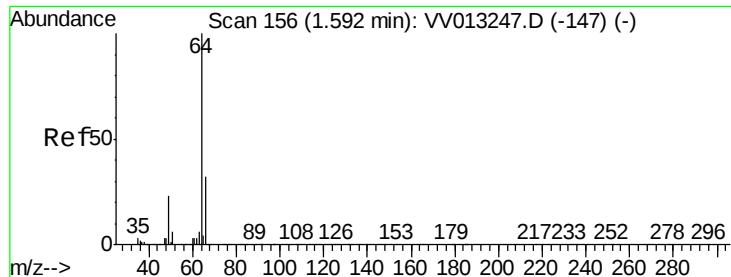
5000

0

Time-->

1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 0.862 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

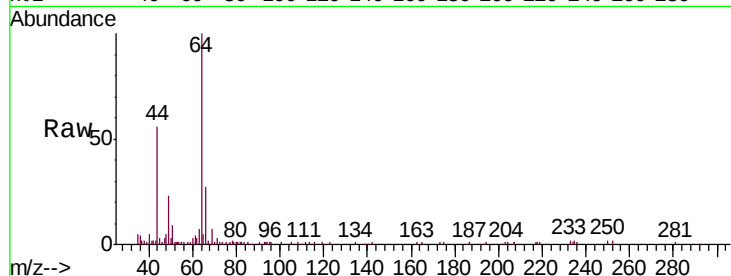
VSTD00132

Tgt Ion: 64 Resp: 26540

Ion Ratio Lower Upper

64 100

66 27.4 22.7 42.3

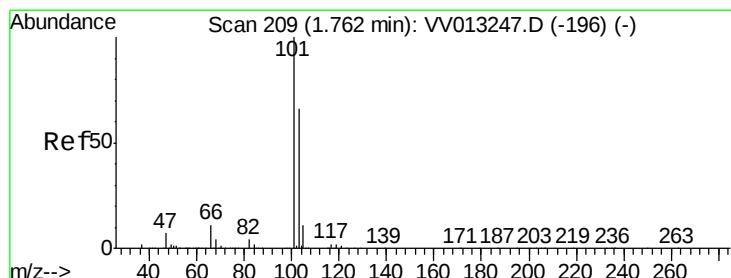
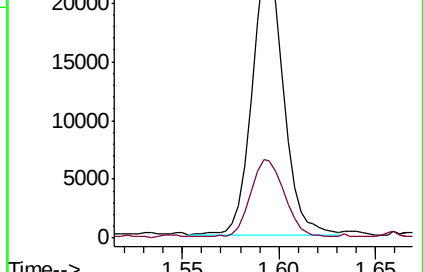
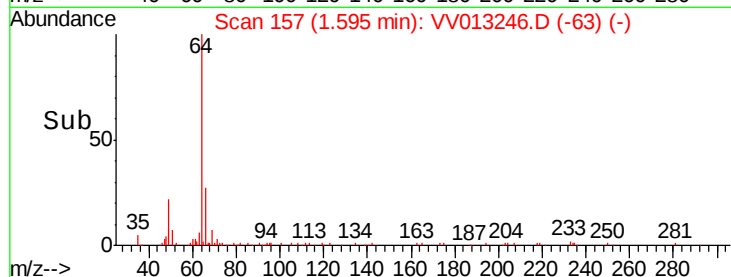


Abundance Ion 64.10 (63.80 to 64.80): VV013247.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV013247.D (-147) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 0.844 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV013246.D

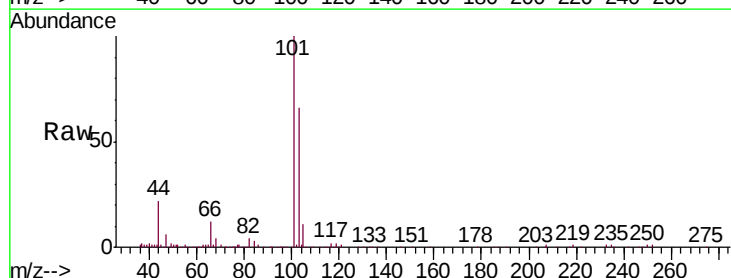
Acq: 21 Oct 2019 16:01

Tgt Ion: 101 Resp: 64220

Ion Ratio Lower Upper

101 100

103 65.4 52.8 79.2

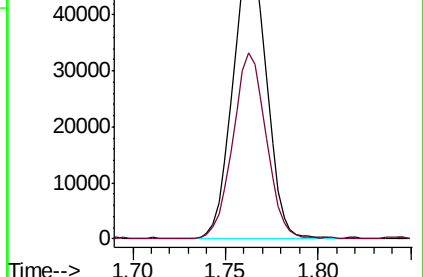
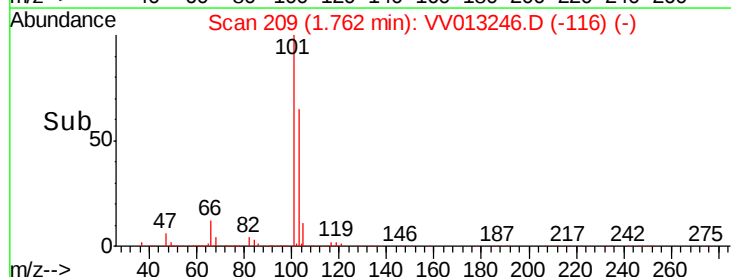


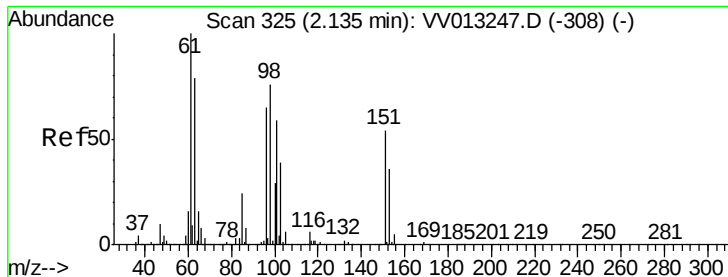
Abundance Ion 101.00 (100.70 to 101.70): VV013247.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV013247.D (-196) (-)

1.76

Time-->





#10

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

Concen: 0.853 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

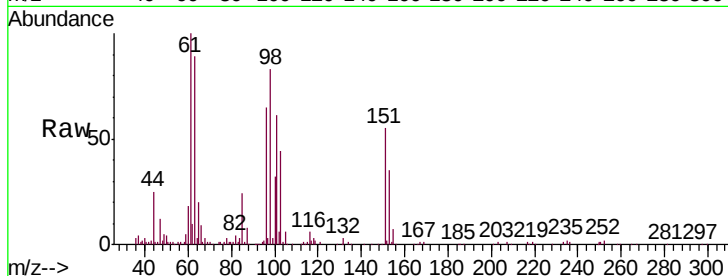
Tgt Ion: 101 Resp: 36995

Ion Ratio Lower Upper

101 100

85 42.6 31.8 47.8

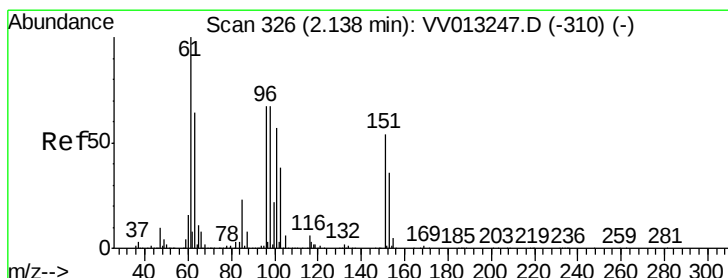
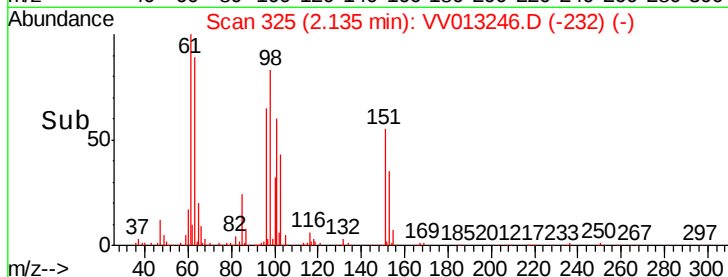
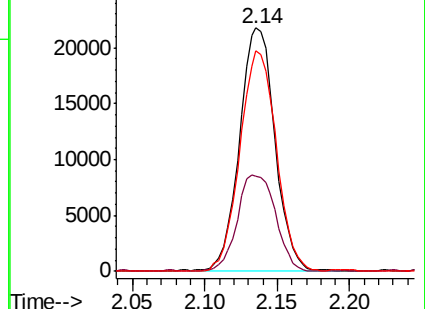
151 92.8 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013247.D (-308) (-)

Ion 85.00 (84.70 to 85.70): VV013246.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013247.D (-308) (-)



#12

1,1-Dichloroethene

Concen: 0.864 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

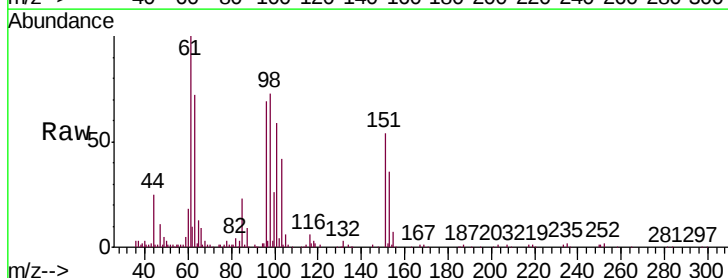
Tgt Ion: 96 Resp: 35805

Ion Ratio Lower Upper

96 100

61 144.1 104.0 193.1

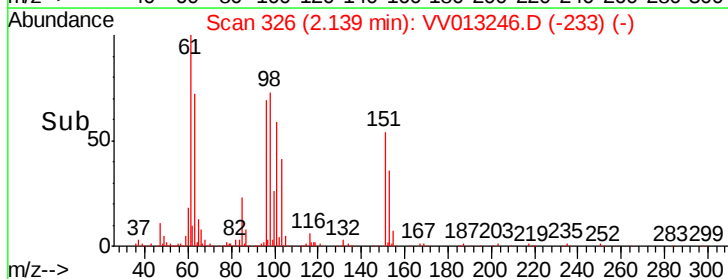
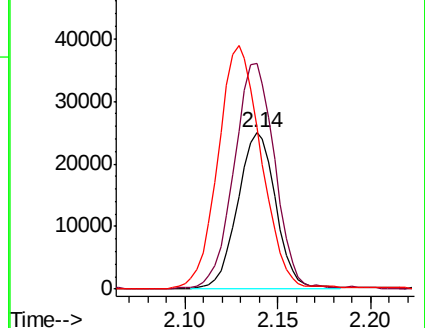
63 103.6 67.1 124.5

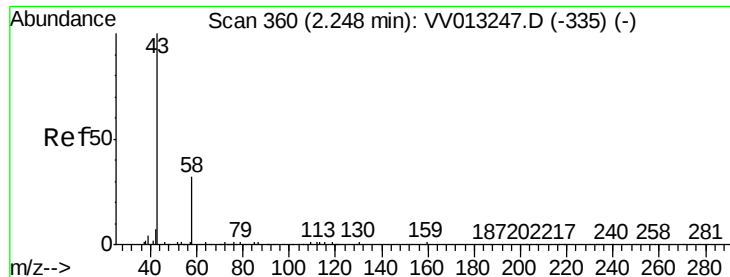


Abundance Ion 96.00 (95.70 to 96.70): VV013247.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV013246.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013247.D (-310) (-)





#13

Acetone

Concen: 1.569 ug/L

RT: 2.48 min Scan# 433

Delta R.T. 0.23 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

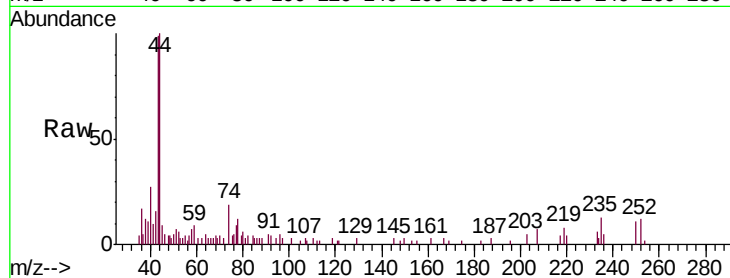
VSTD00132

Tgt Ion: 43 Resp: 7863

Ion Ratio Lower Upper

43 100

58 3.2 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.48

5000

4000

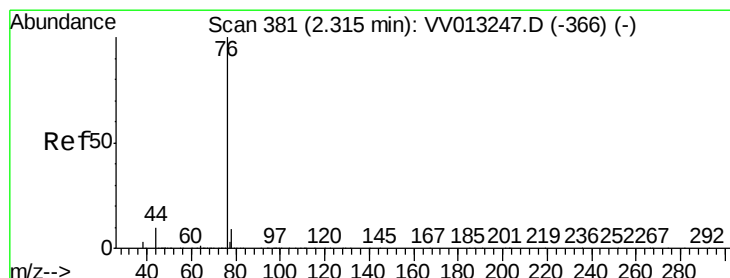
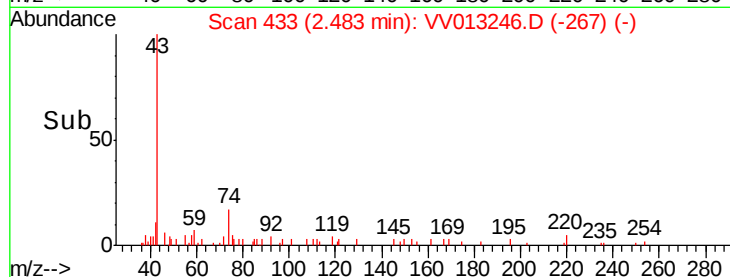
3000

2000

1000

0

Time--> 2.40 2.45 2.50 2.55



#14

Carbon disulfide

Concen: 0.838 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013246.D

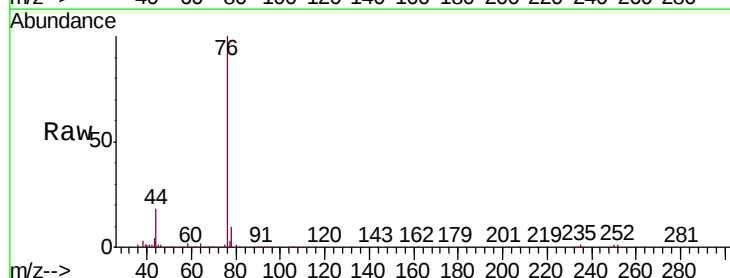
Acq: 21 Oct 2019 16:01

Tgt Ion: 76 Resp: 98856

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

80000

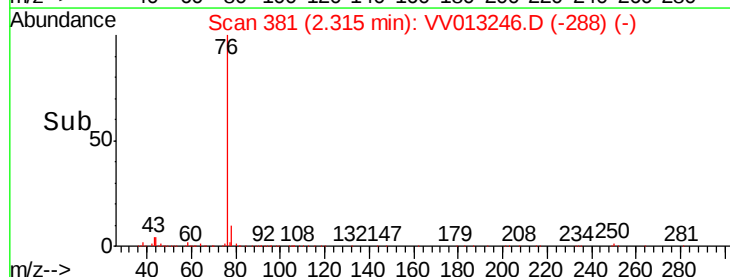
60000

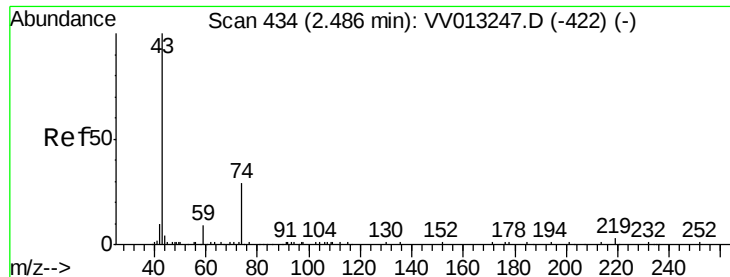
40000

20000

0

Time--> 2.25 2.30 2.35

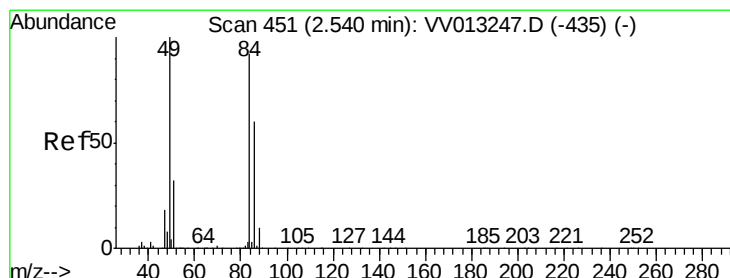
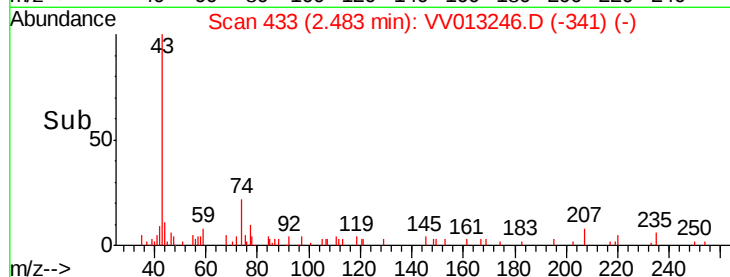
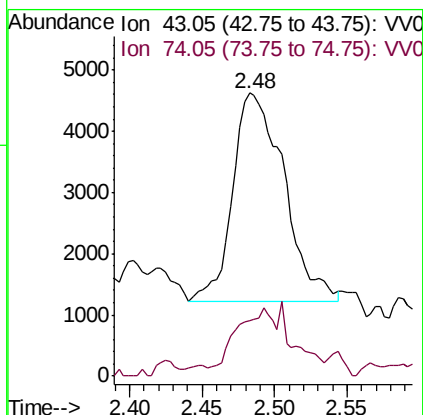
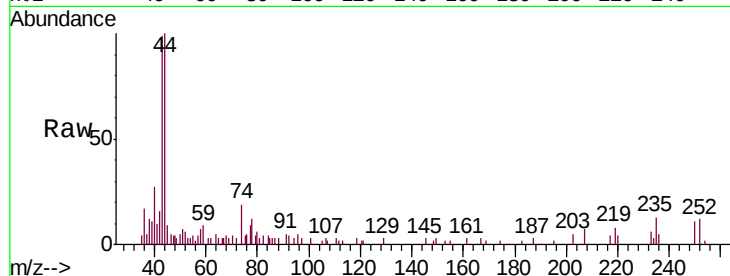




#15
Methyl Acetate
Concen: 0.717 ug/L
RT: 2.48 min Scan# 433
Delta R.T. -0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

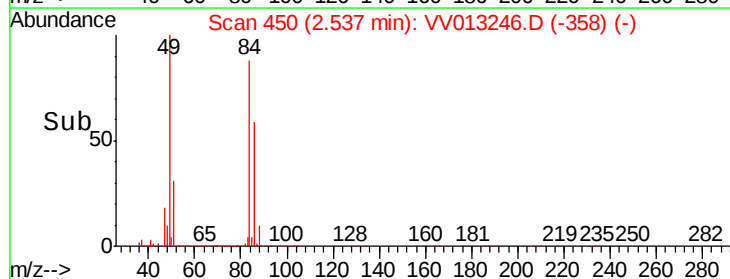
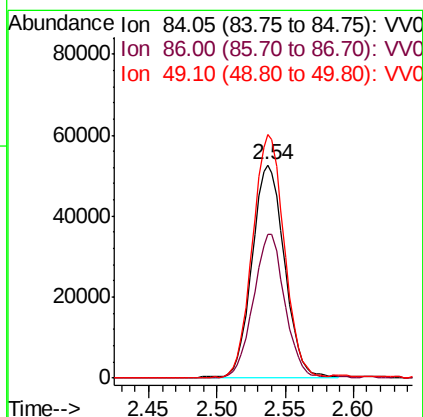
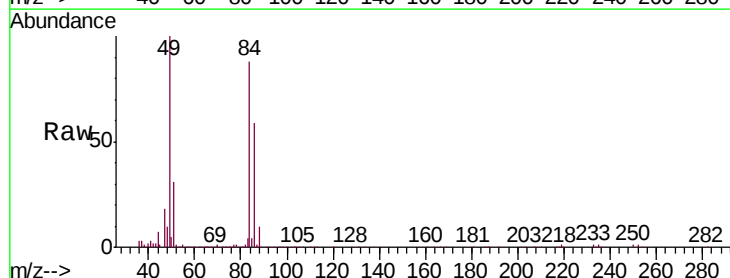
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

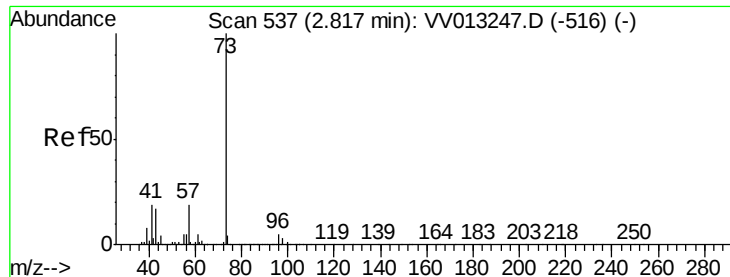
Tgt Ion: 43 Resp: 8379
Ion Ratio Lower Upper
43 100
74 35.8 20.4 30.6#



#16
Methylene chloride
Concen: 1.704 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

Tgt Ion: 84 Resp: 86210
Ion Ratio Lower Upper
84 100
86 67.4 46.2 85.8
49 114.1 76.4 141.8

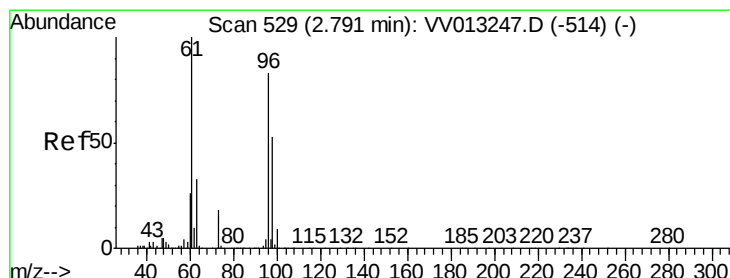
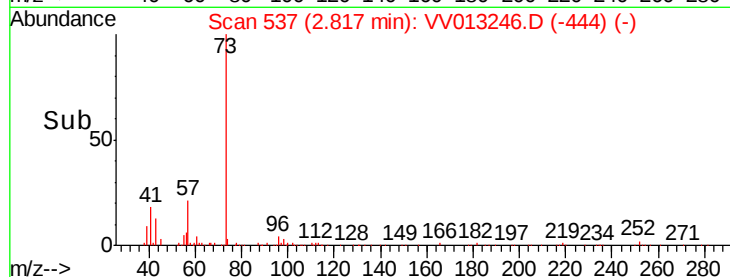
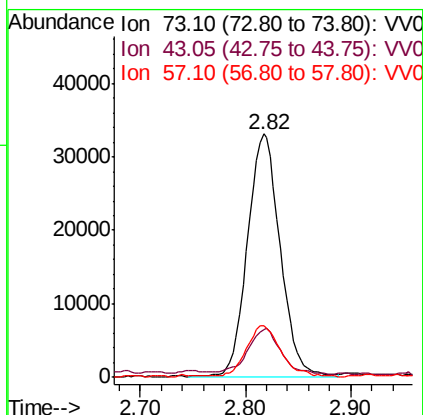
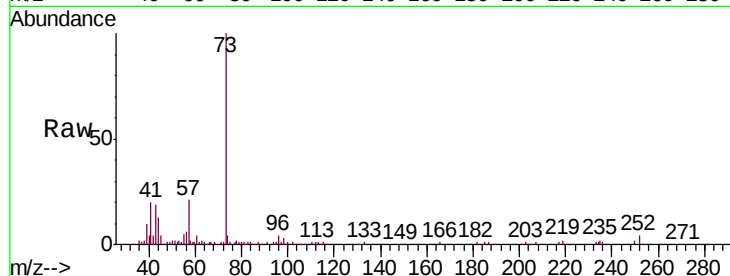




#17
Methyl tert-butyl Ether
Concen: 0.668 ug/L
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

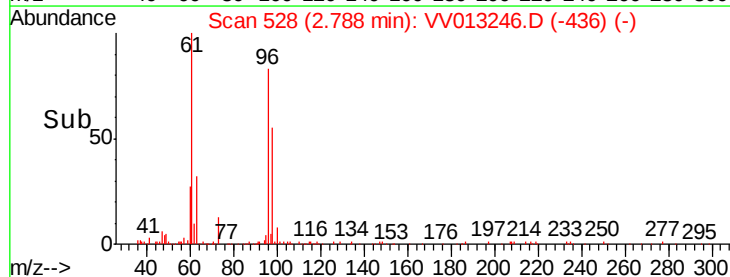
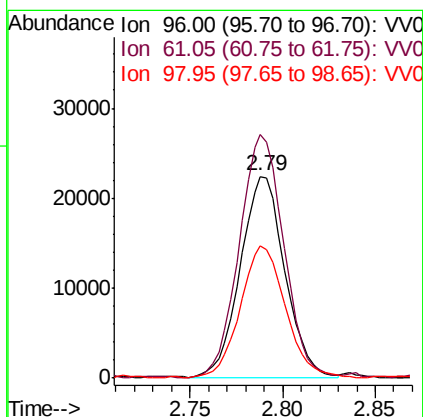
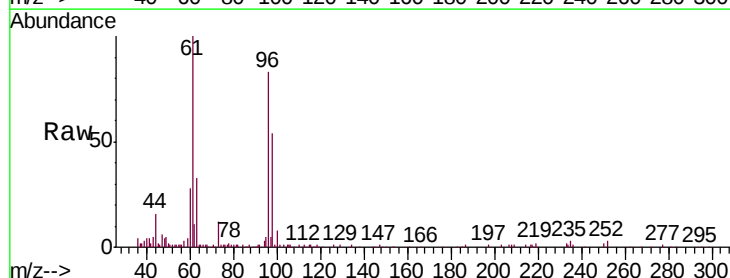
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

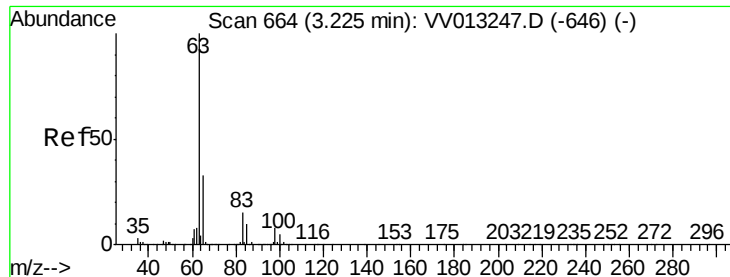
Tgt Ion:	73	Resp:	71142
Ion	Ratio	Lower	Upper
73	100		
43	19.1	13.1	19.7
57	21.6	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 0.710 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

Tgt Ion:	96	Resp:	37083
Ion	Ratio	Lower	Upper
96	100		
61	120.6	84.4	156.8
98	65.5	44.4	82.4





#19

1,1-Dichloroethane

Concen: 0.639 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

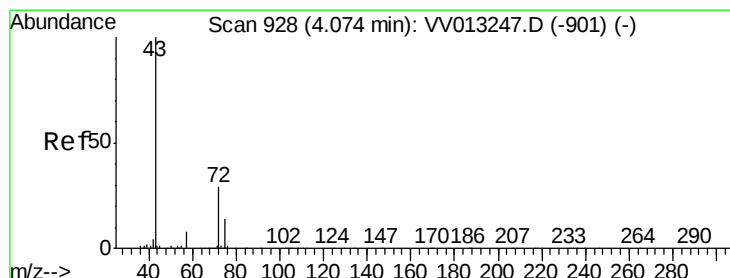
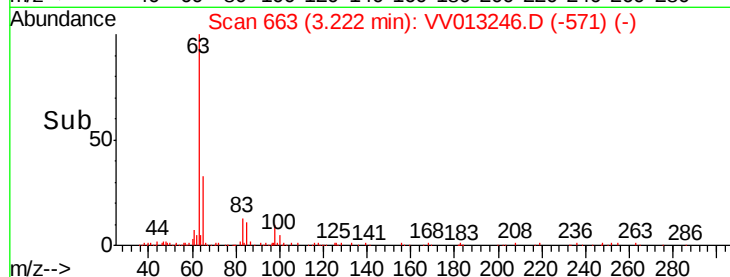
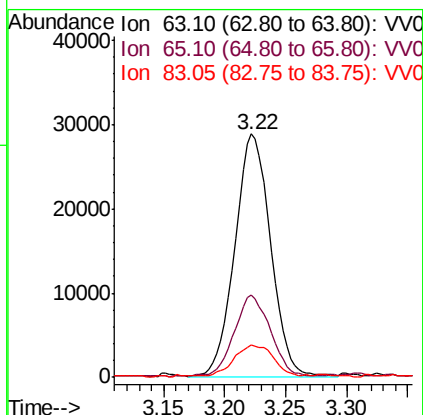
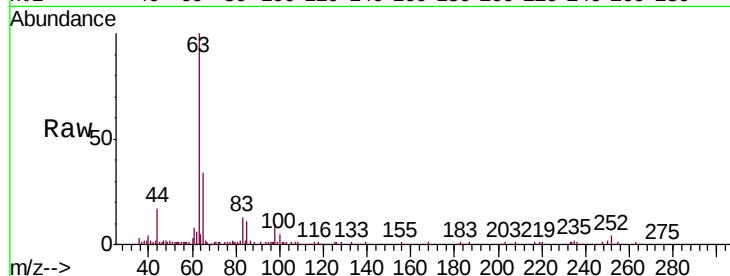
Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion:	63	Resp:	59088
Ion	Ratio	Lower	Upper
63	100		
65	33.9	23.0	42.8
83	13.3	10.2	19.0



#21

2-Butanone

Concen: 6.605 ug/L

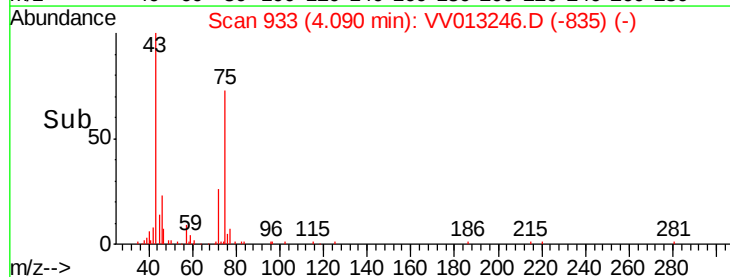
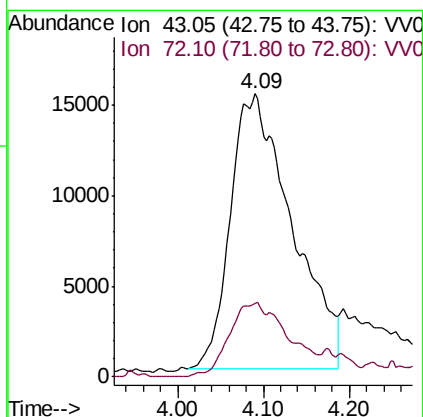
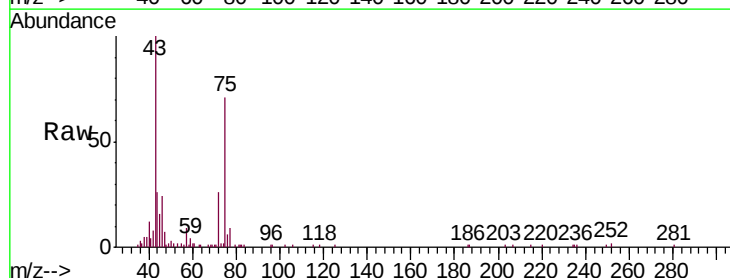
RT: 4.09 min Scan# 933

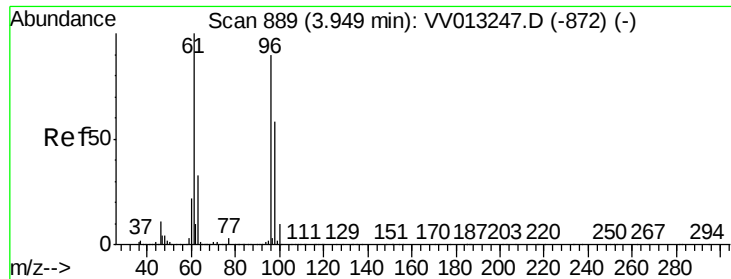
Delta R.T. 0.02 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Tgt Ion:	43	Resp:	75982
Ion	Ratio	Lower	Upper
43	100		
72	13.9	13.1	39.3





#22

cis-1,2-Dichloroethene

Concen: 0.904 ug/L

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

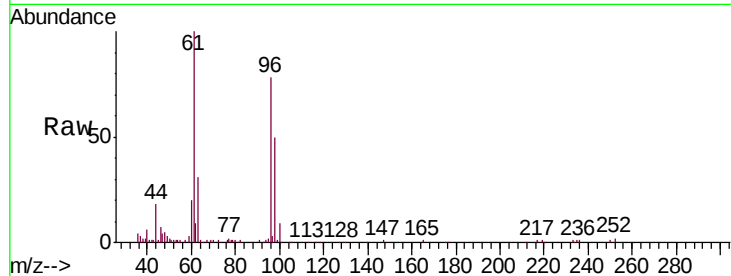
Tgt Ion: 96 Resp: 48651

Ion Ratio Lower Upper

96 100

61 128.0 77.3 143.7

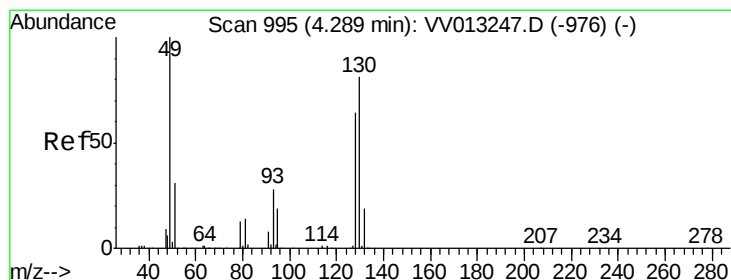
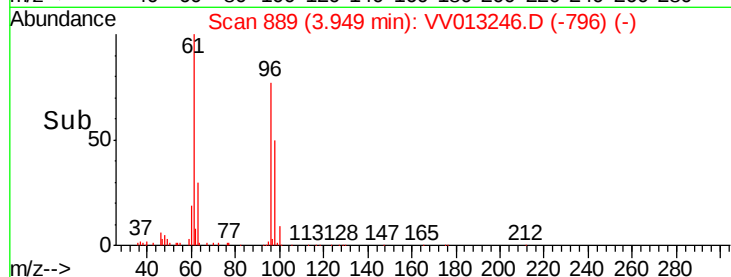
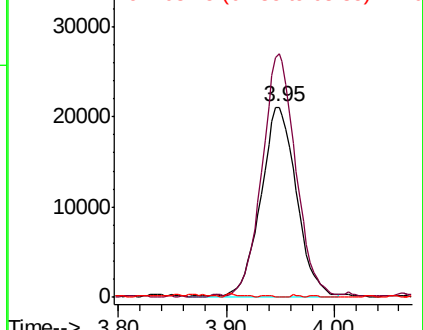
68 0.0 0.1 0.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0



#23

Bromochloromethane

Concen: 0.824 ug/L

RT: 4.29 min Scan# 995

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Tgt Ion: 128 Resp: 20605

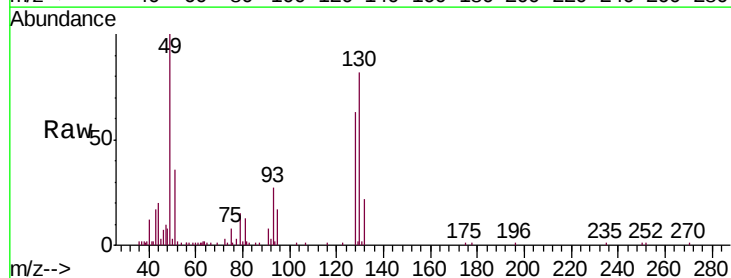
Ion Ratio Lower Upper

128 100

49 158.3 109.9 204.1

130 130.1 88.7 164.7

51 56.6 39.3 58.9

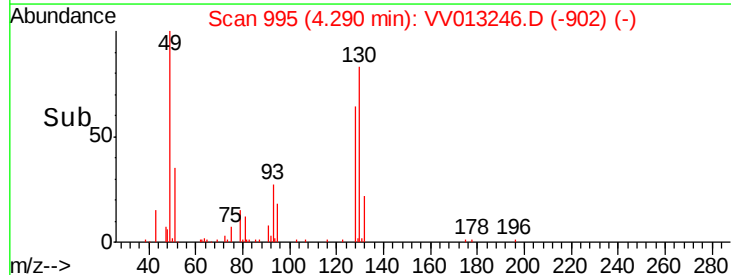
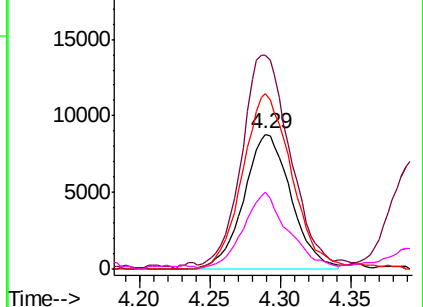


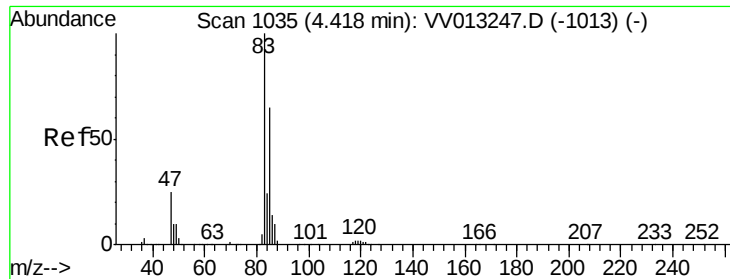
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0





#25

Chloroform

Concen: 0.884 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

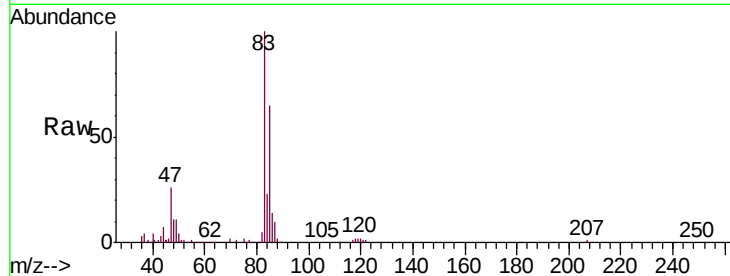
VSTD00132

Tgt Ion: 83 Resp: 91046

Ion Ratio Lower Upper

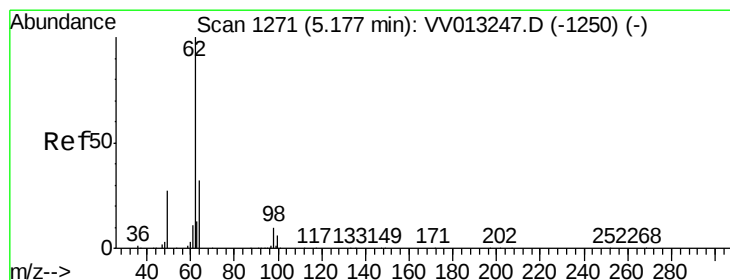
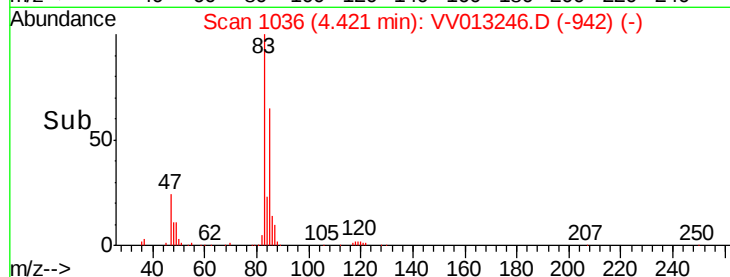
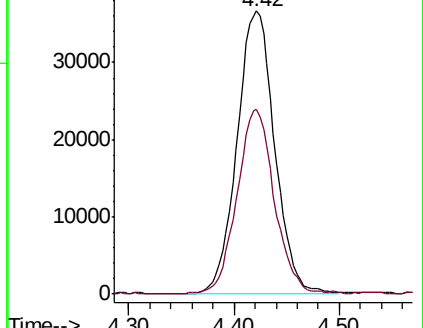
83 100

85 65.1 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV013247.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VV013246.D (-942) (-)



#27

1,2-Dichloroethane

Concen: 0.833 ug/L

RT: 5.18 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VV013246.D

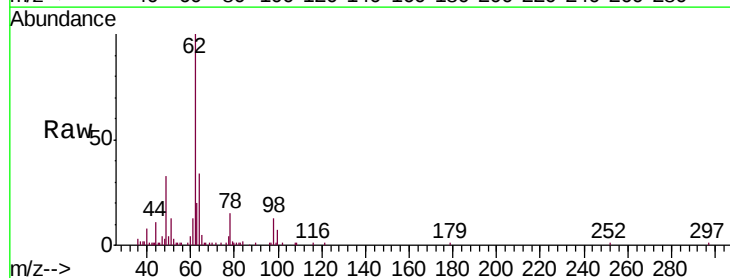
Acq: 21 Oct 2019 16:01

Tgt Ion: 62 Resp: 47056

Ion Ratio Lower Upper

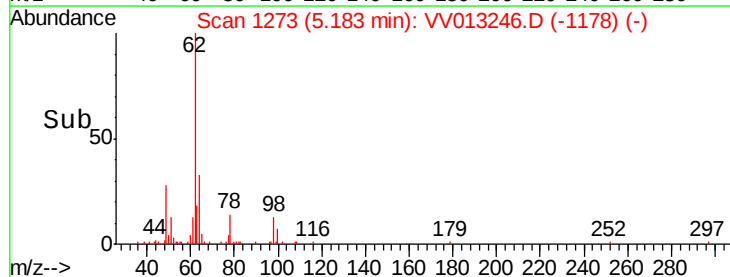
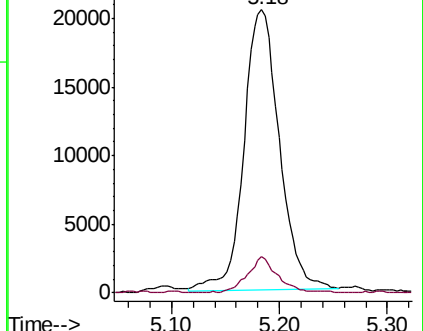
62 100

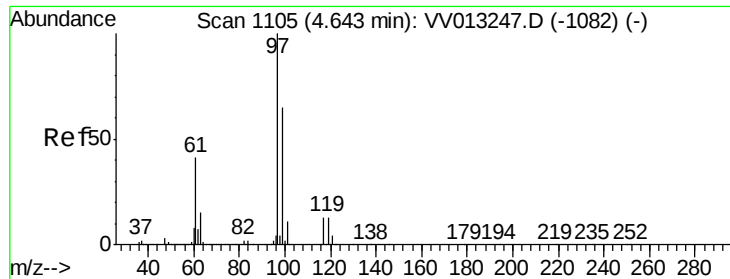
98 12.9 8.3 12.5#



Abundance Ion 62.00 (61.70 to 62.70): VV013247.D (-1250) (-)

Ion 98.05 (97.75 to 98.75): VV013246.D (-1178) (-)

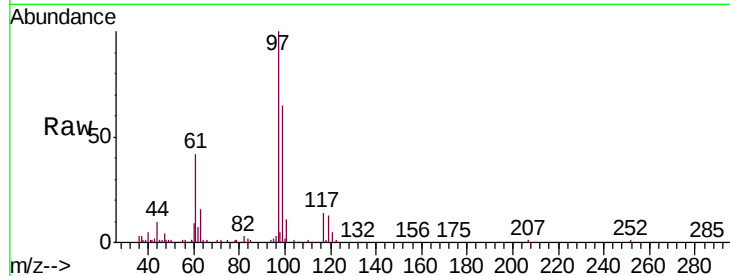




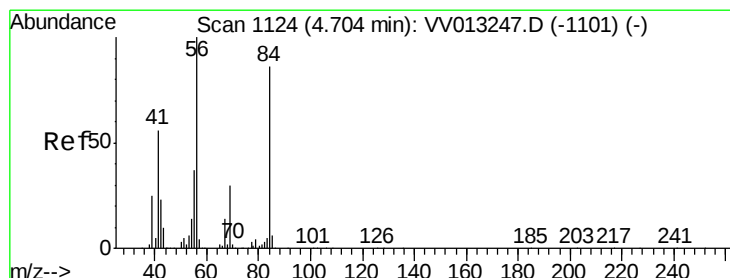
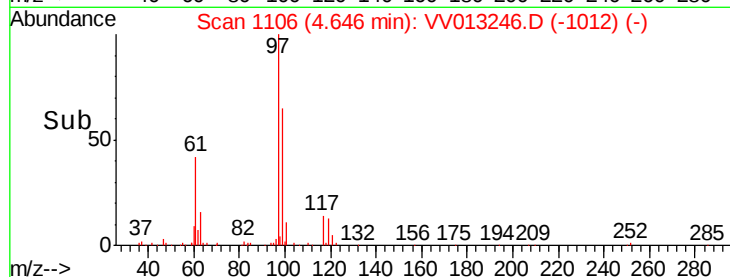
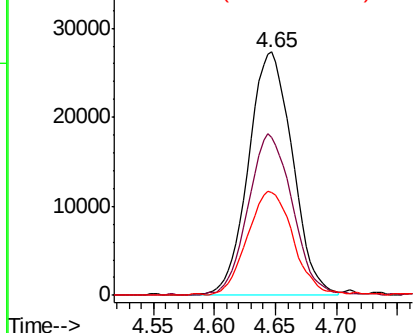
#29
 1,1,1-Trichloroethane
 Concen: 0.845 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion: 97 Resp: 68258
 Ion Ratio Lower Upper
 97 100
 99 67.2 51.7 77.5
 61 44.7 34.3 51.5

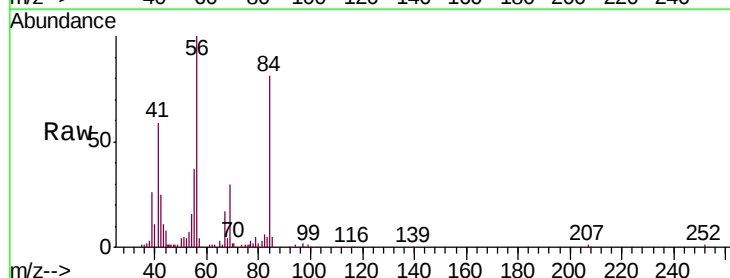


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

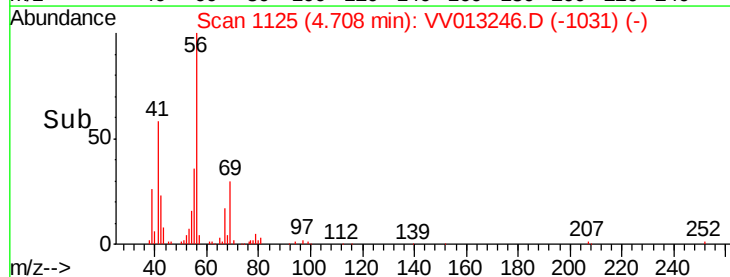
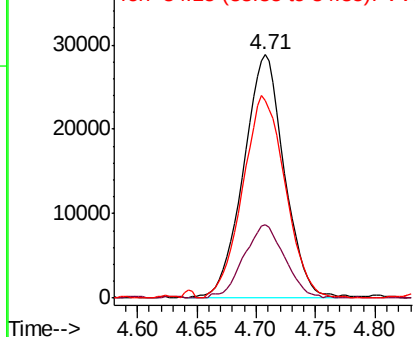


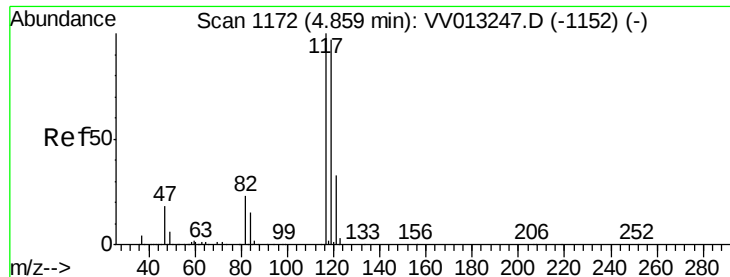
#30
 Cyclohexane
 Concen: 0.826 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion: 56 Resp: 68482
 Ion Ratio Lower Upper
 56 100
 69 30.3 24.6 37.0
 84 87.0 71.0 106.6



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





#31

Carbon tetrachloride

Concen: 0.849 ug/L

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

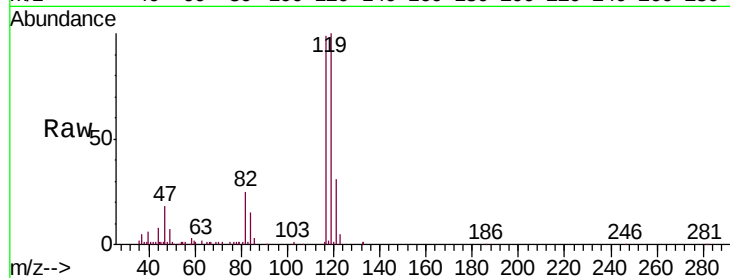
VSTD00132

Tgt Ion:117 Resp: 60706

Ion Ratio Lower Upper

117 100

119 98.3 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.86

25000

20000

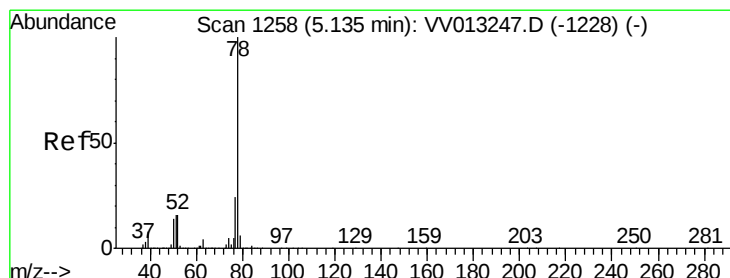
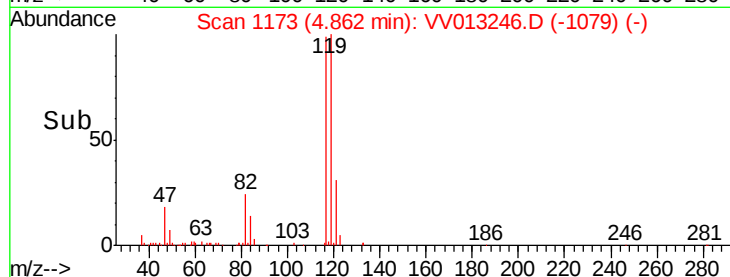
15000

10000

5000

0

Time--> 4.75 4.80 4.85 4.90 4.95



#33

Benzene

Concen: 0.846 ug/L

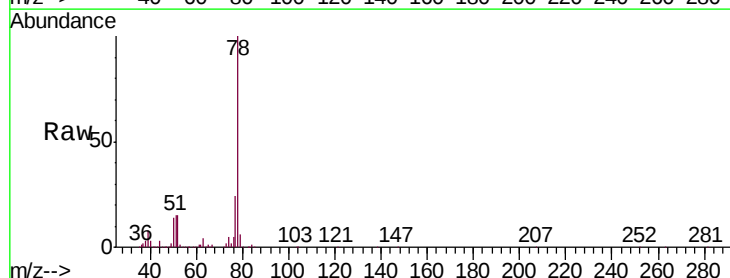
RT: 5.14 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Tgt Ion: 78 Resp: 177430



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

80000

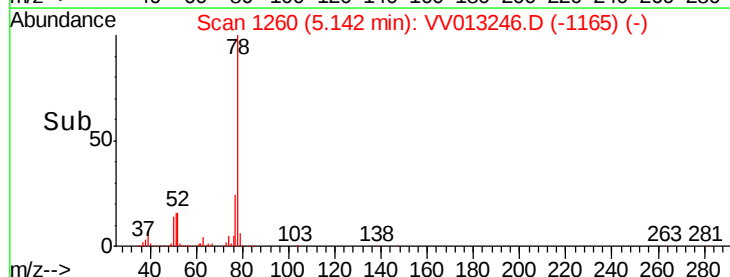
60000

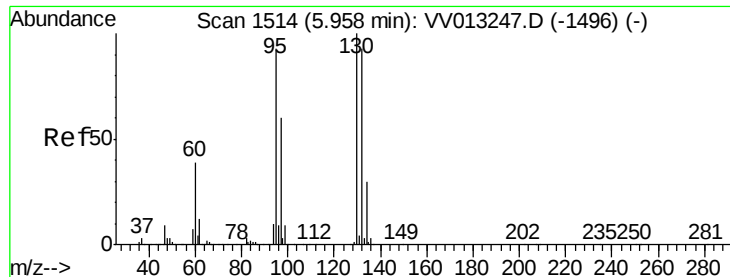
40000

20000

0

Time--> 5.00 5.10 5.20





#34

Trichloroethene

Concen: 0.858 ug/L

RT: 5.97 min Scan# 1517

Delta R.T. 0.01 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion: 95 Resp: 46876

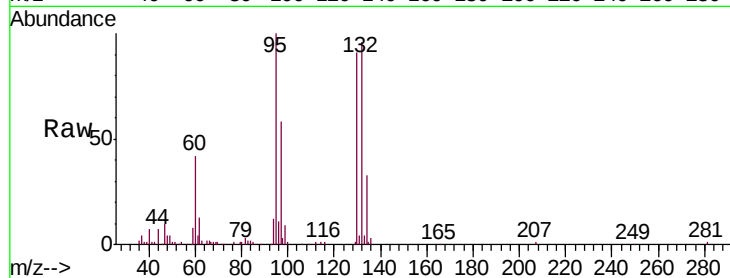
Ion Ratio Lower Upper

95 100

97 58.4 45.2 84.0

132 96.5 70.6 131.2

130 90.9 75.5 140.3

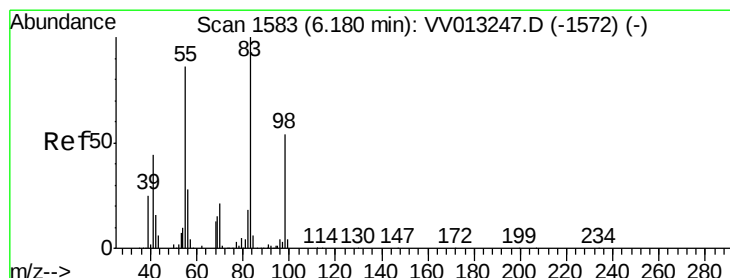
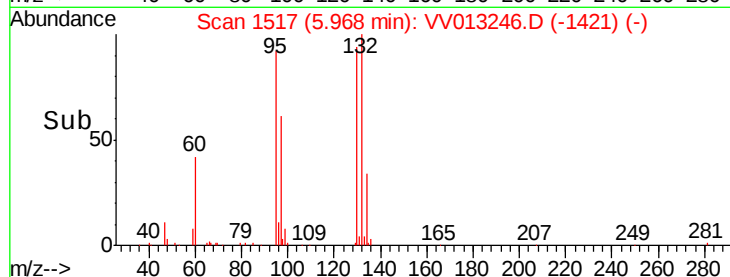
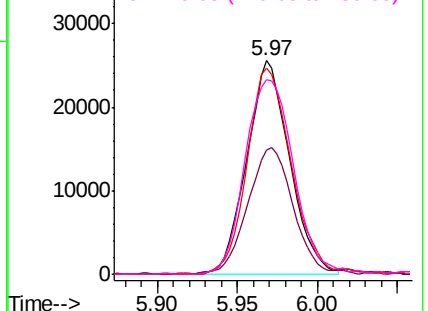


Abundance Ion 95.00 (94.70 to 95.70): VV013247.D (-1496) (-)

Ion 96.95 (96.65 to 97.65): VV013247.D (-1496) (-)

Ion 131.95 (131.65 to 132.65): VV013247.D (-1496) (-)

Ion 129.95 (129.65 to 130.65): VV013247.D (-1496) (-)



#35

Methylcyclohexane

Concen: 0.789 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

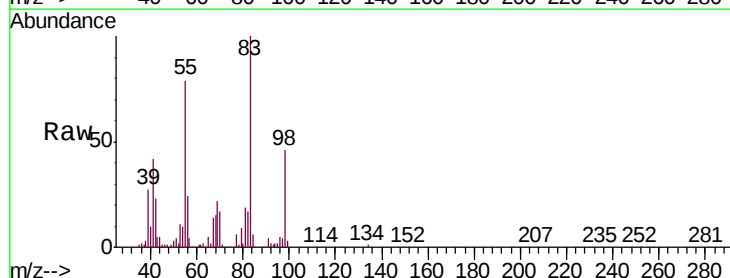
Tgt Ion: 83 Resp: 65674

Ion Ratio Lower Upper

83 100

55 79.7 62.4 93.6

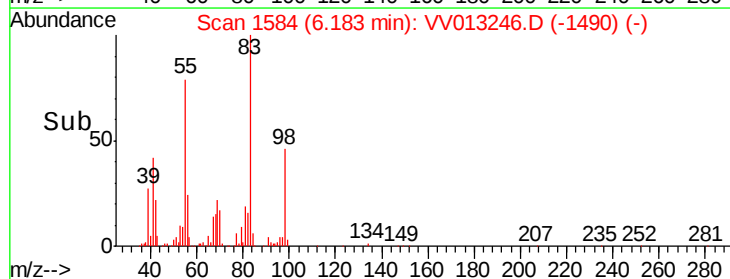
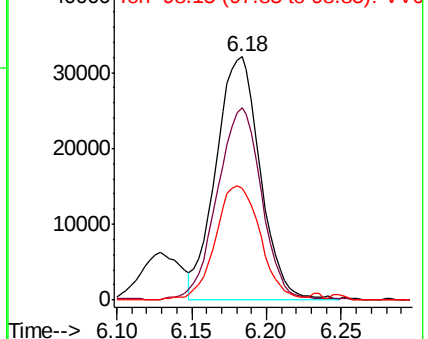
98 48.0 39.2 58.8

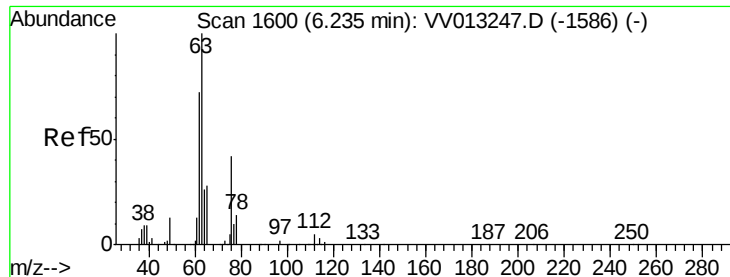


Abundance Ion 83.15 (82.85 to 83.85): VV013247.D (-1572) (-)

Ion 55.10 (54.80 to 55.80): VV013247.D (-1572) (-)

Ion 98.15 (97.85 to 98.85): VV013247.D (-1572) (-)

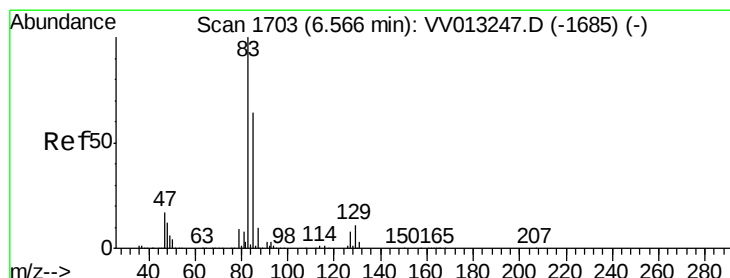
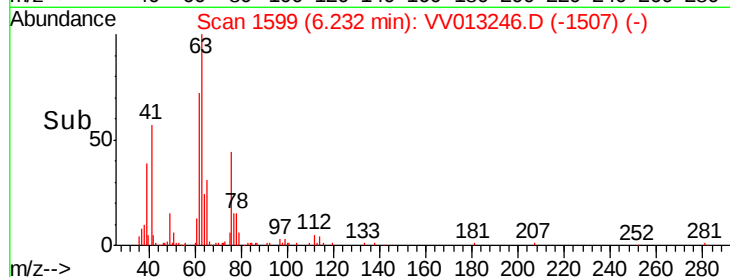
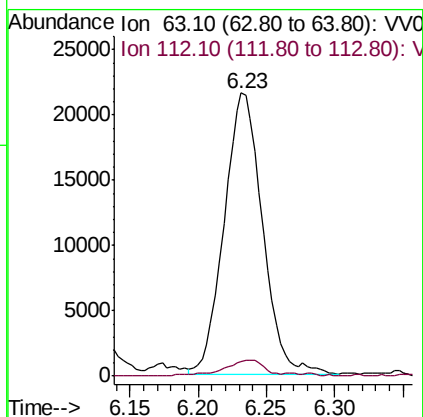
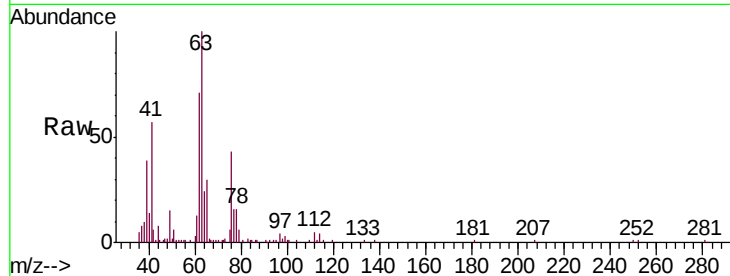




#37
 1,2-Dichloropropane
 Concen: 0.814 ug/L
 RT: 6.23 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

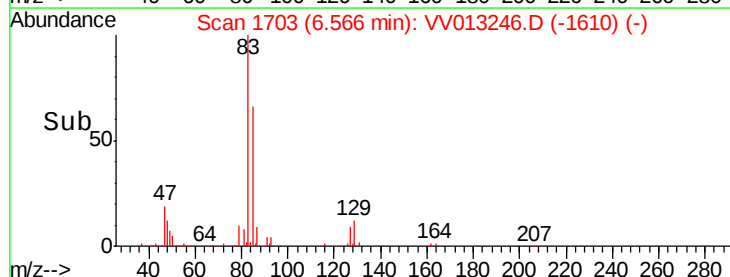
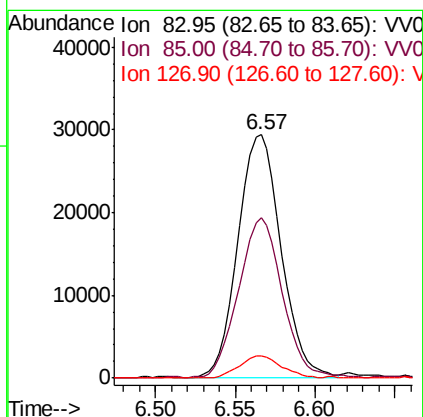
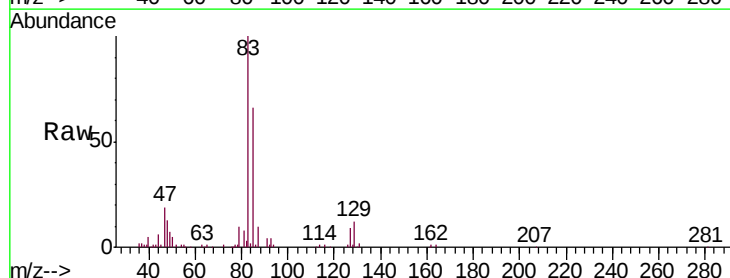
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

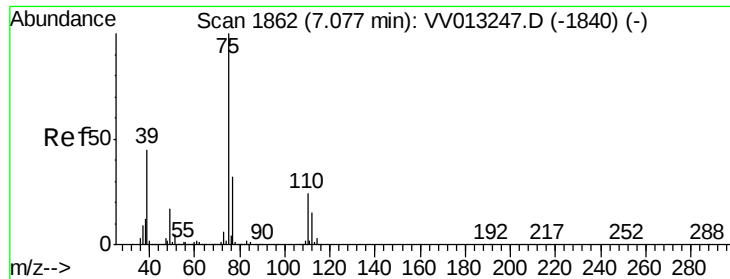
Tgt Ion: 63 Resp: 41946
 Ion Ratio Lower Upper
 63 100
 112 6.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 0.830 ug/L
 RT: 6.57 min Scan# 1703
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion: 83 Resp: 54358
 Ion Ratio Lower Upper
 83 100
 85 66.1 44.4 82.5
 127 9.3 6.6 10.0

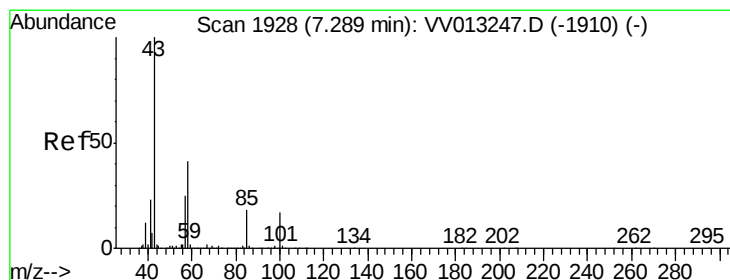
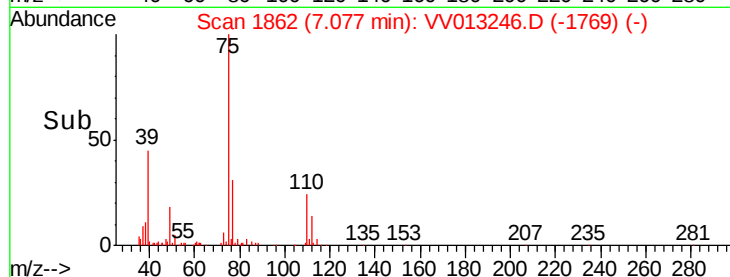
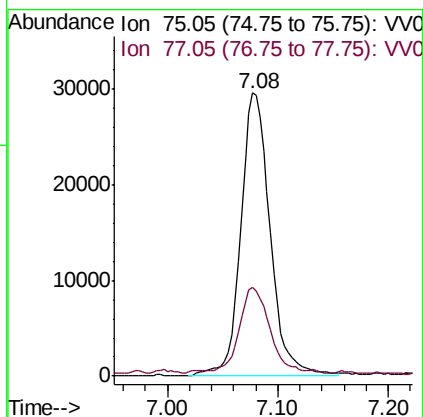
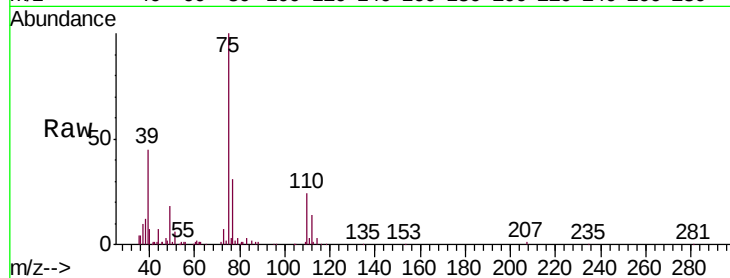




#39
 cis-1,3-Dichloropropene
 Concen: 0.794 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

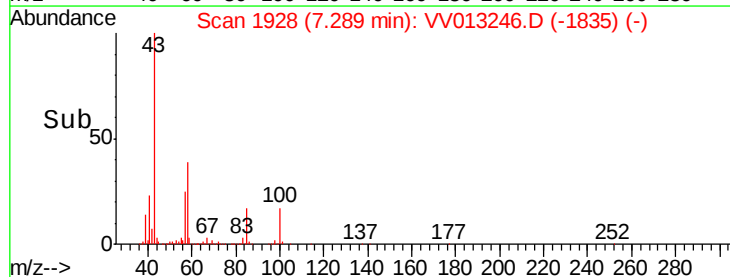
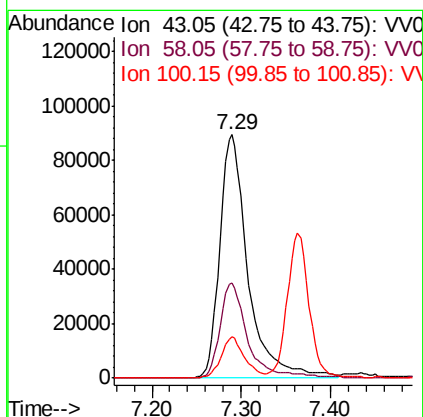
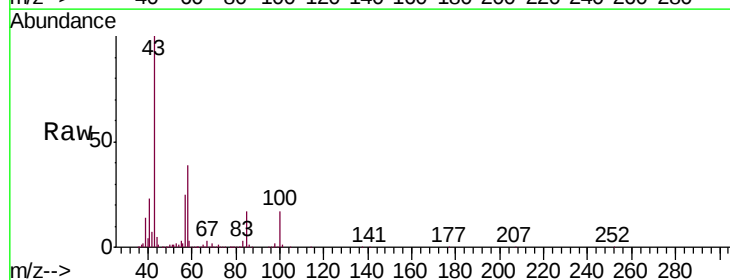
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

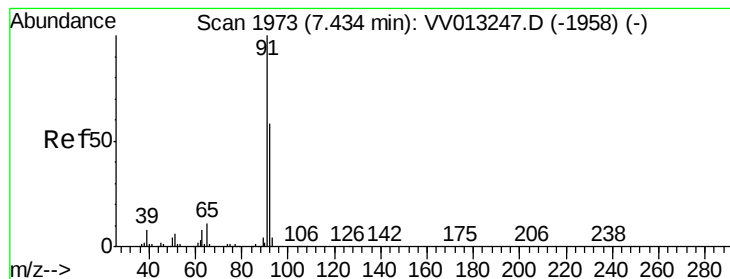
Tgt Ion: 75 Resp: 54752
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 7.039 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion: 43 Resp: 193386
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.7 46.1
 100 14.4 12.4 18.6





#42

Toluene

Concen: 0.809 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

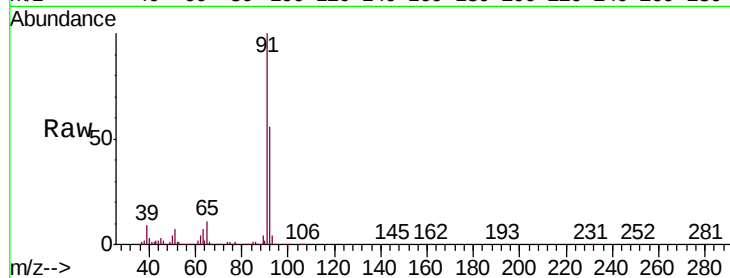
VSTD00132

Tgt Ion: 91 Resp: 174752

Ion Ratio Lower Upper

91 100

92 56.5 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

100000

80000

60000

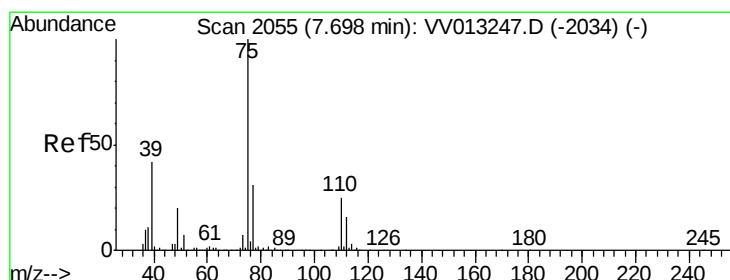
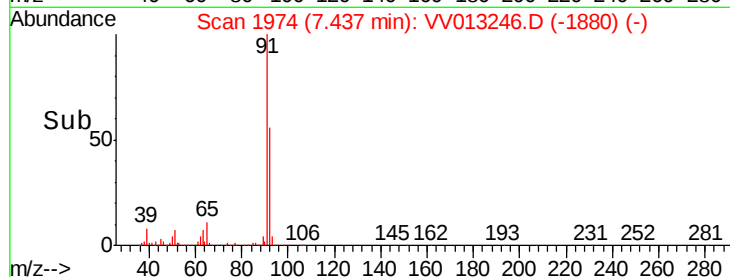
40000

20000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 0.810 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV013246.D

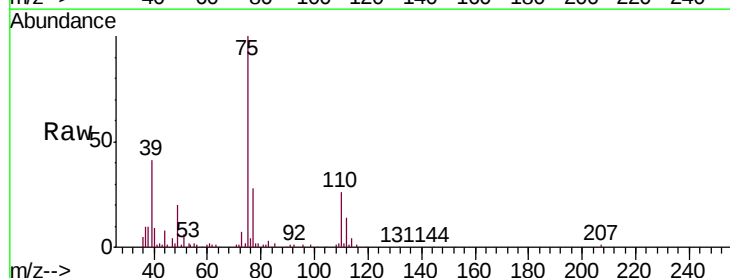
Acq: 21 Oct 2019 16:01

Tgt Ion: 75 Resp: 42824

Ion Ratio Lower Upper

75 100

77 28.0 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

25000

20000

15000

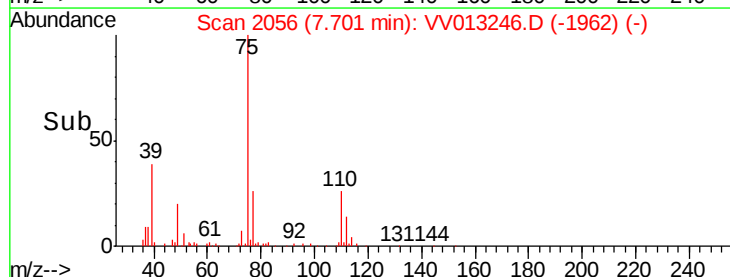
10000

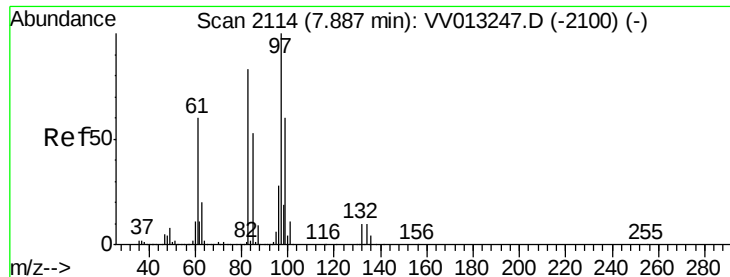
5000

0

Time-->

7.60 7.65 7.70 7.75 7.80

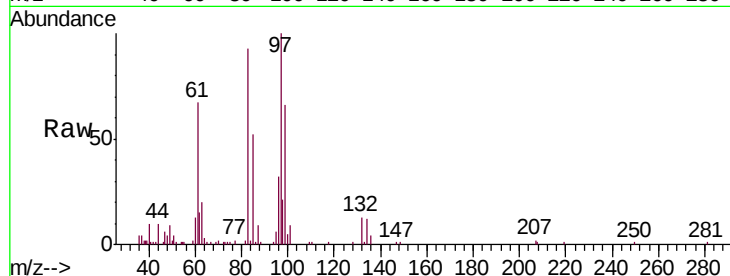




#45
 1,1,2-Trichloroethane
 Concen: 0.859 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:	97	Resp:	30530
Ion	Ratio	Lower	Upper
97	100		
99	66.2	42.2	78.4
83	93.3	58.4	108.4
85	52.4	37.0	68.6



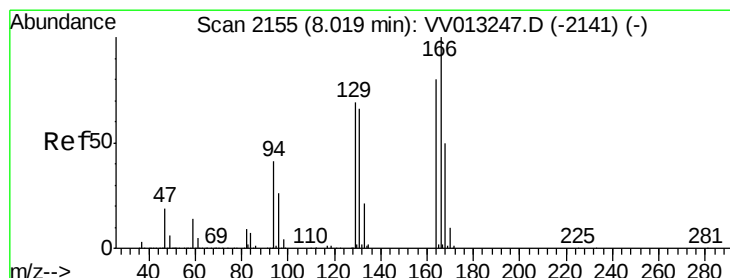
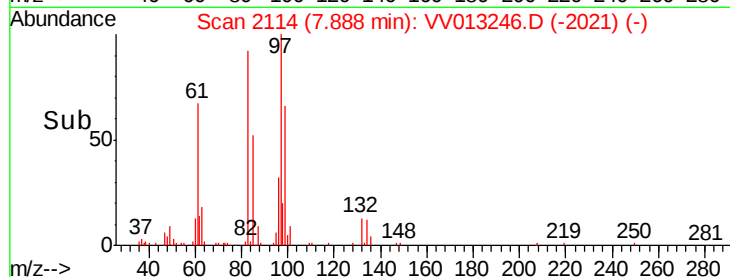
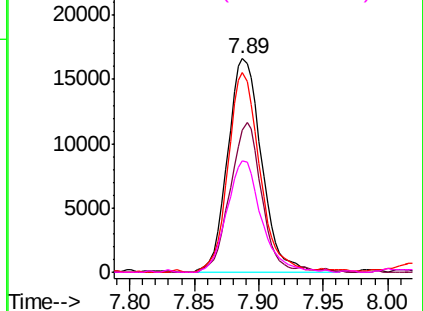
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

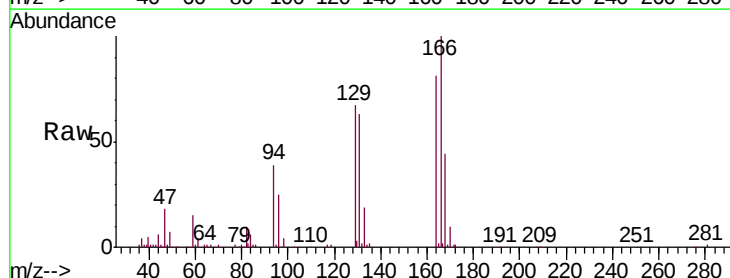
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.900 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion:	164	Resp:	43321
Ion	Ratio	Lower	Upper
164	100		
129	83.2	61.0	113.2
131	77.9	57.5	106.9
166	123.6	87.8	163.0



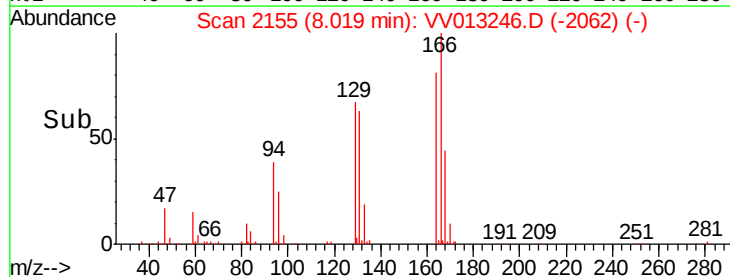
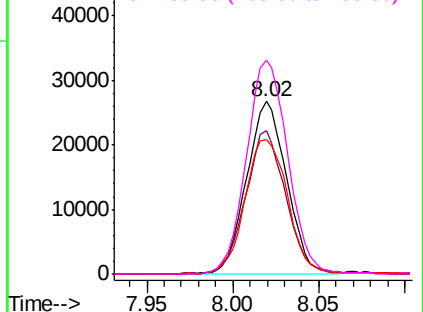
Abundance

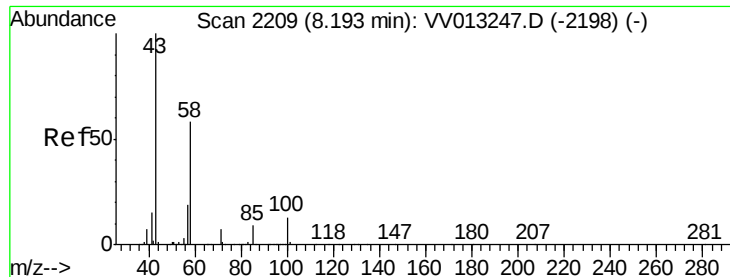
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

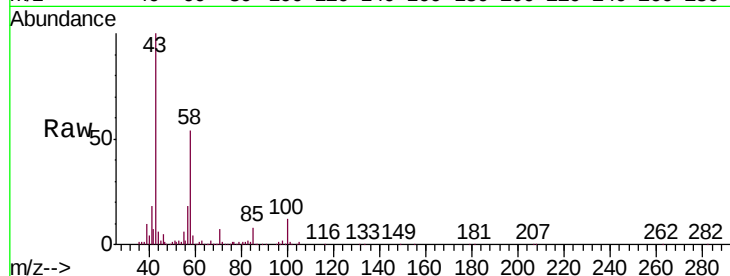




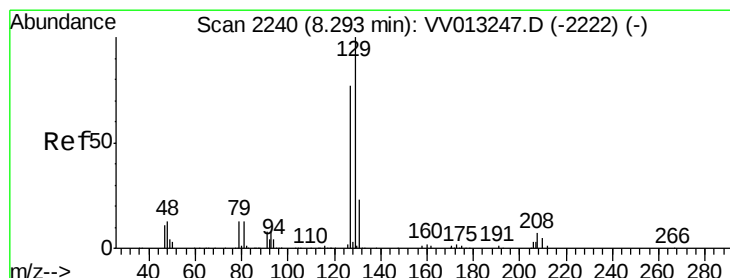
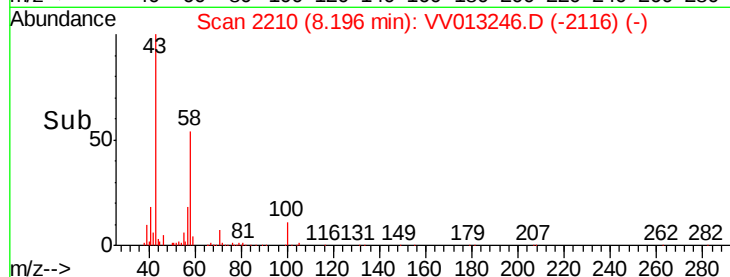
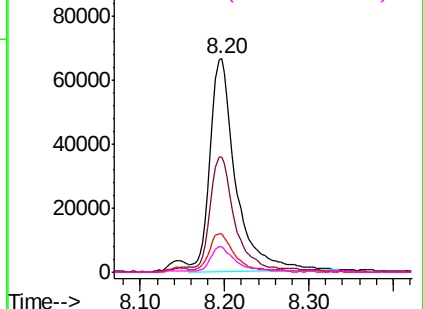
#48
2-Hexanone
Concen: 7.100 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

Tgt Ion:	43	Resp:	140844
Ion	Ratio	Lower	Upper
43	100		
58	56.1	45.1	67.7
57	18.3	15.5	23.3
100	11.8	10.2	15.2

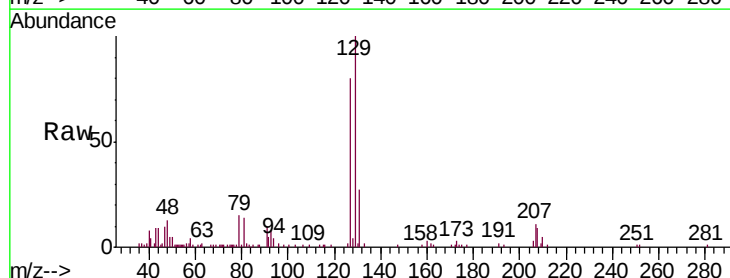


Abundance Ion 43.05 (42.75 to 43.75): VV013246.D (-2116) (-)
Ion 58.05 (57.75 to 58.75): VV013246.D (-2116) (-)
Ion 57.20 (56.90 to 57.90): VV013246.D (-2116) (-)
Ion 100.15 (99.85 to 100.85): VV013246.D (-2116) (-)

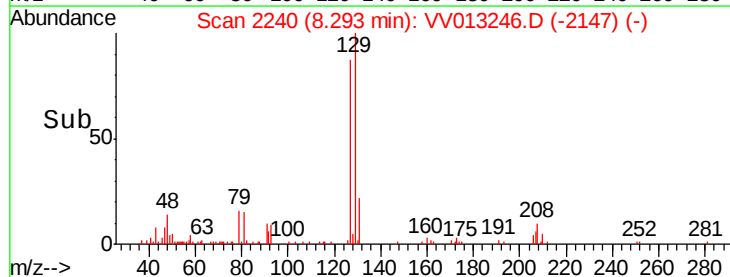
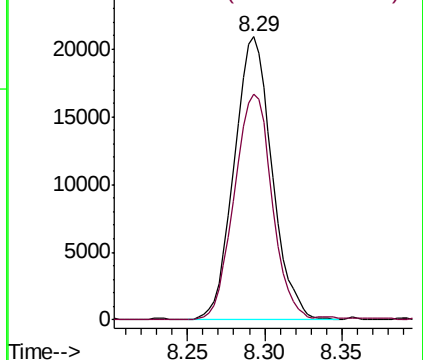


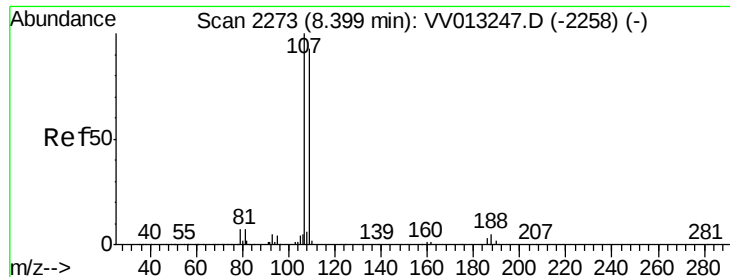
#49
Dibromochloromethane
Concen: 0.834 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

Tgt Ion:	129	Resp:	35551
Ion	Ratio	Lower	Upper
129	100		
127	80.0	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013246.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV013246.D (-2147) (-)

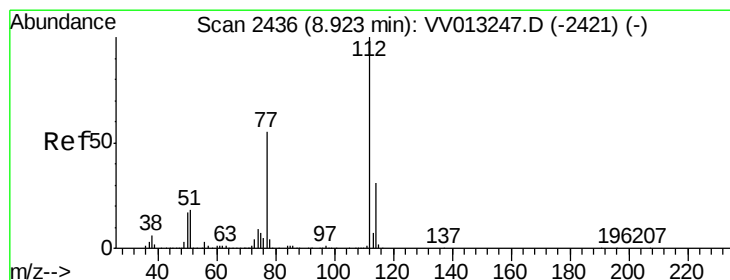
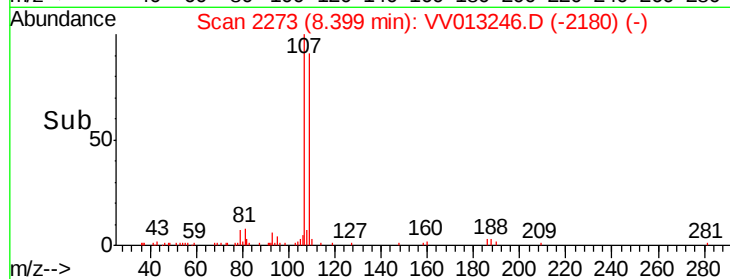
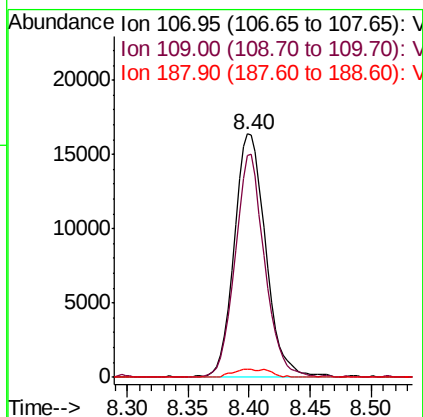
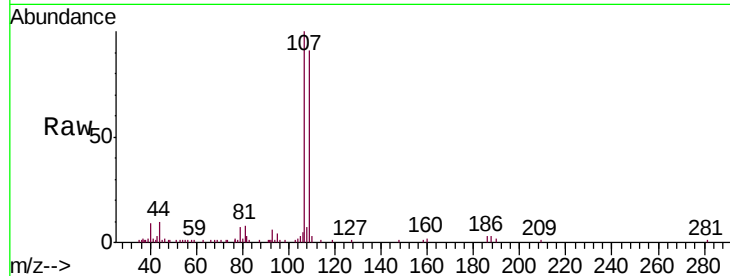




#50
1,2-Dibromoethane
Concen: 0.909 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

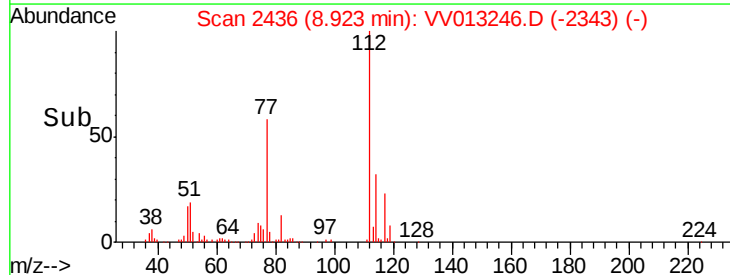
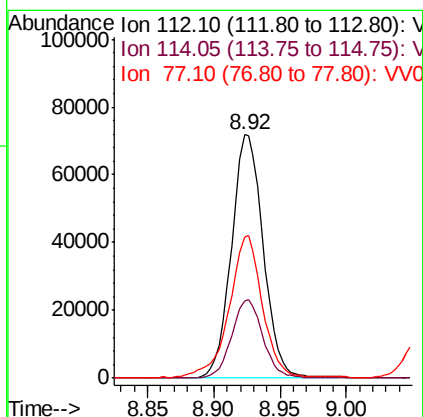
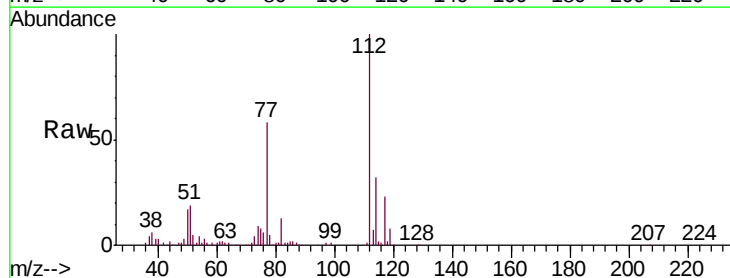
Instrument :
MSVOA_V
ClientSampleId :
VSTD00132

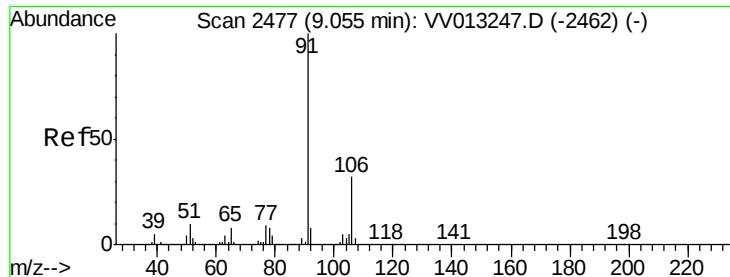
Tgt Ion:107 Resp: 29230
Ion Ratio Lower Upper
107 100
109 91.0 65.5 121.6
188 3.4 3.7 5.5#



#51
Chlorobenzene
Concen: 0.859 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013246.D
Acq: 21 Oct 2019 16:01

Tgt Ion:112 Resp: 119908
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.6
77 57.7 44.4 66.6





#52

Ethylbenzene

Concen: 0.767 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

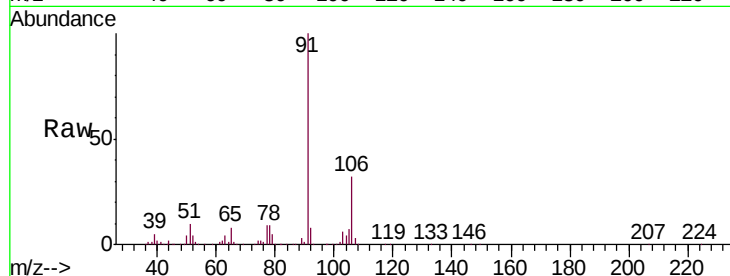
VSTD00132

Tgt Ion: 91 Resp: 172209

Ion Ratio Lower Upper

91 100

106 32.1 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV013247.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV013247.D (-2462) (-)

9.05

120000

100000

80000

60000

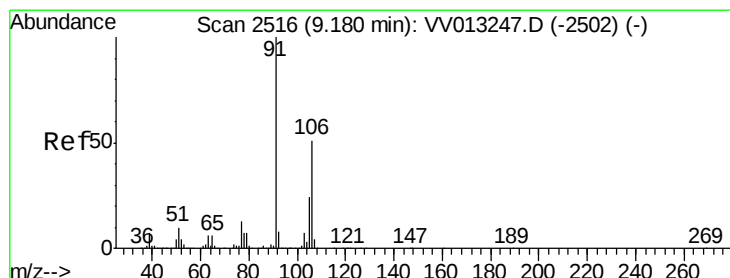
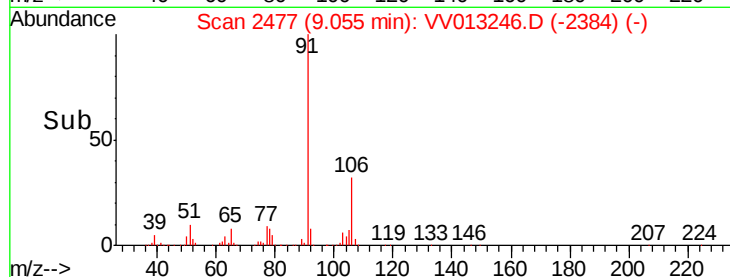
40000

20000

0

9.00 9.05 9.10

Time-->



#53

m,p-xylene

Concen: 0.746 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013246.D

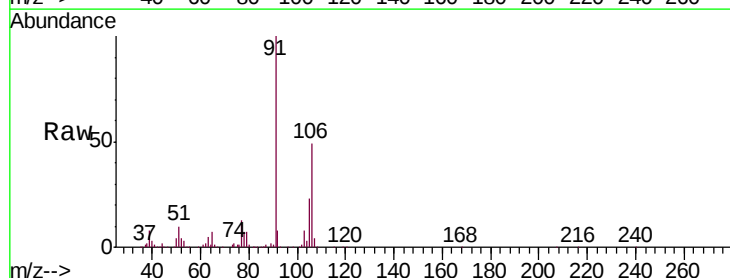
Acq: 21 Oct 2019 16:01

Tgt Ion: 106 Resp: 63386

Ion Ratio Lower Upper

106 100

91 203.2 137.8 255.8



Abundance Ion 106.15 (105.85 to 106.85): VV013247.D (-2502) (-)

Ion 91.15 (90.85 to 91.85): VV013247.D (-2502) (-)

9.18

80000

60000

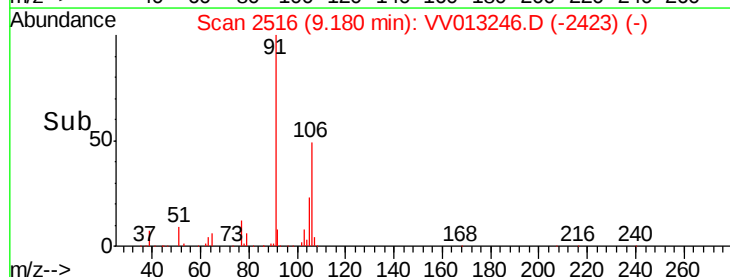
40000

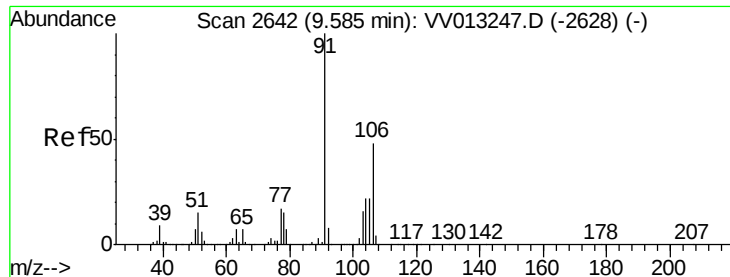
20000

0

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 0.719 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

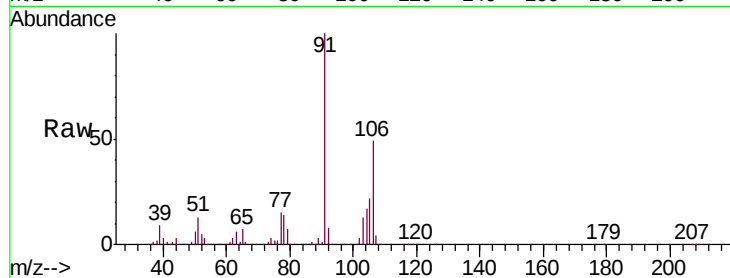
VSTD00132

Tgt Ion:106 Resp: 58889

Ion Ratio Lower Upper

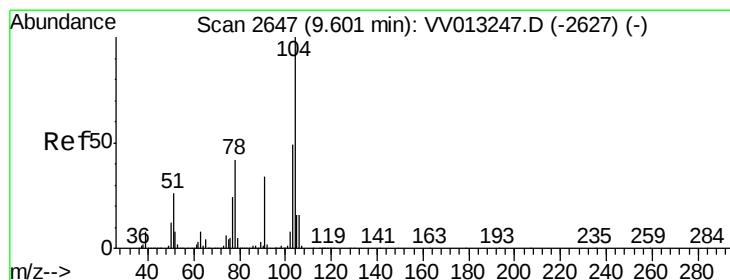
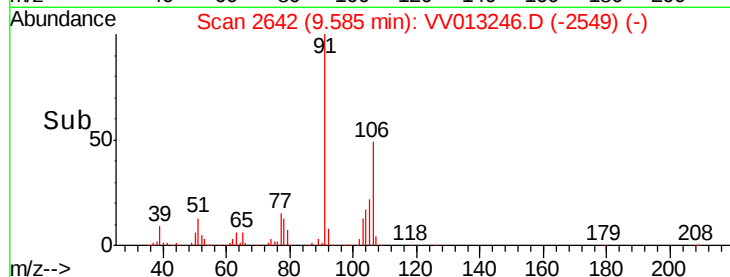
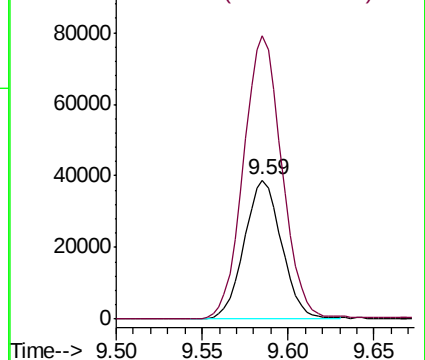
106 100

91 203.7 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.674 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV013246.D

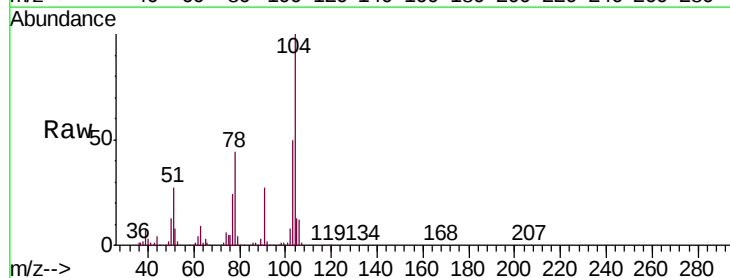
Acq: 21 Oct 2019 16:01

Tgt Ion:104 Resp: 92867

Ion Ratio Lower Upper

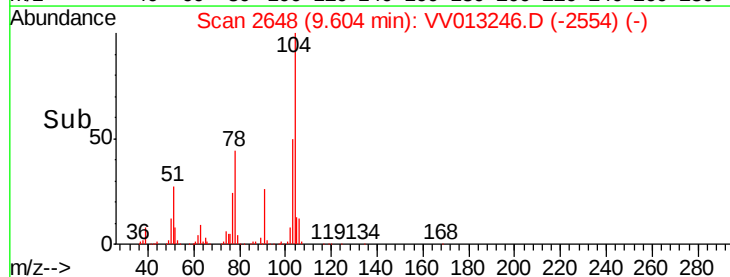
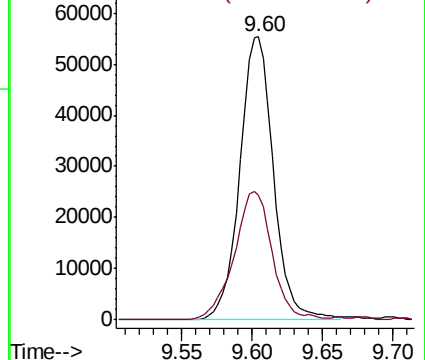
104 100

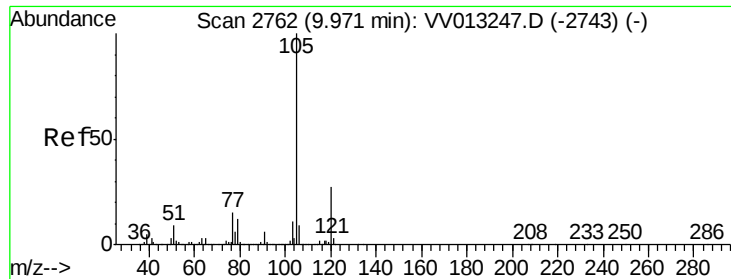
78 43.8 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.716 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

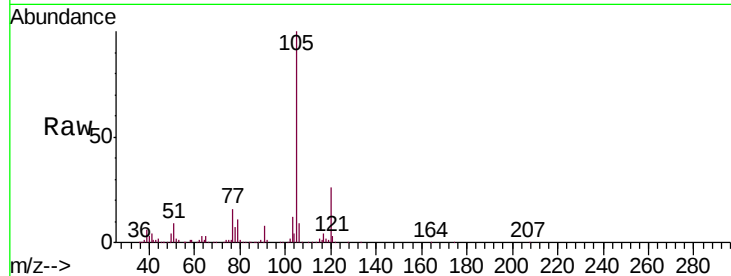
Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

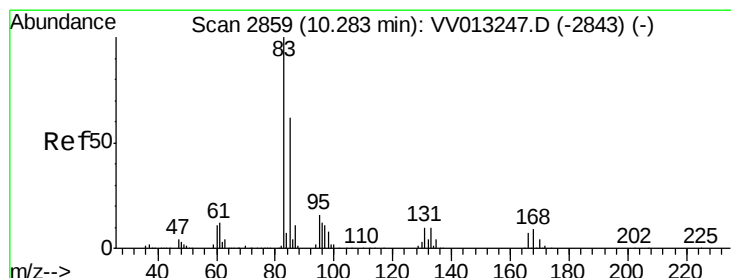
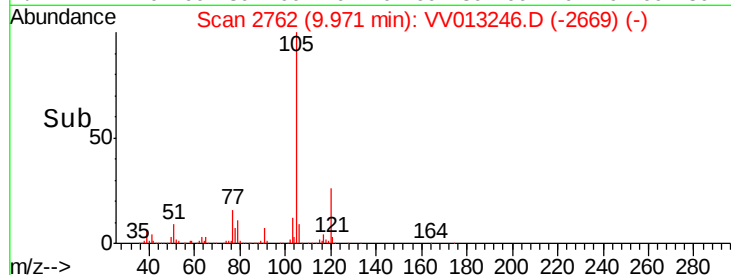
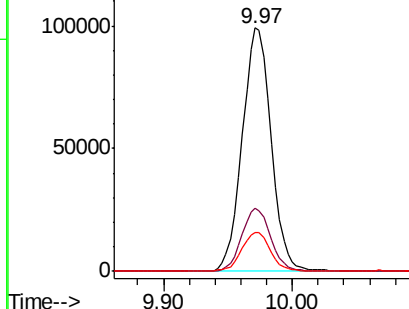
Tgt Ion:	105	Resp:	154663
Ion	Ratio	Lower	Upper
105	100		
120	26.1	21.8	32.6
77	16.3	12.0	18.0



Abundance Ion 105.05 (104.75 to 105.75): VV013246.D (-2669) (-)

Ion 120.10 (119.80 to 120.80): VV013246.D (-2669) (-)

Ion 77.10 (76.80 to 77.80): VV013246.D (-2669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 0.801 ug/L

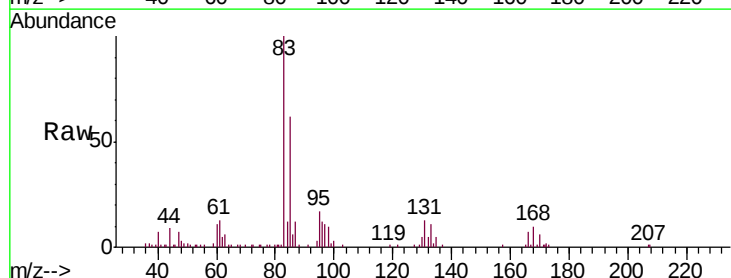
RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

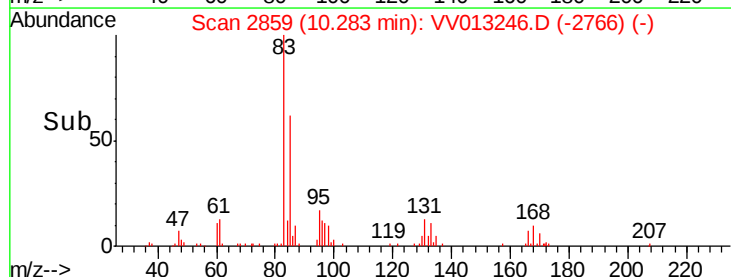
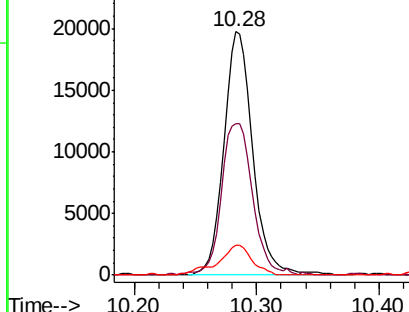
Tgt Ion:	83	Resp:	32927
Ion	Ratio	Lower	Upper
83	100		
85	62.2	43.3	80.3
131	12.5	8.3	12.5#

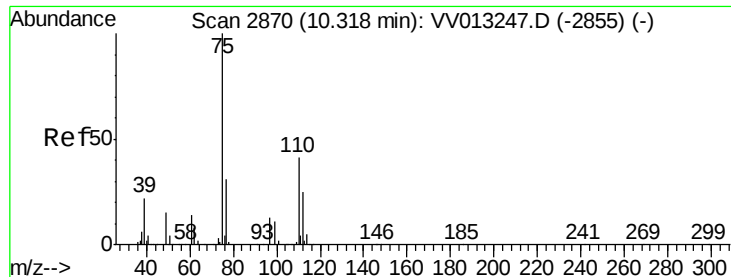


Abundance Ion 82.95 (82.65 to 83.65): VV013246.D (-2766) (-)

Ion 85.00 (84.70 to 85.70): VV013246.D (-2766) (-)

Ion 130.95 (130.65 to 131.65): VV013246.D (-2766) (-)





#59

1,2,3-Trichloropropane

Concen: 0.853 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

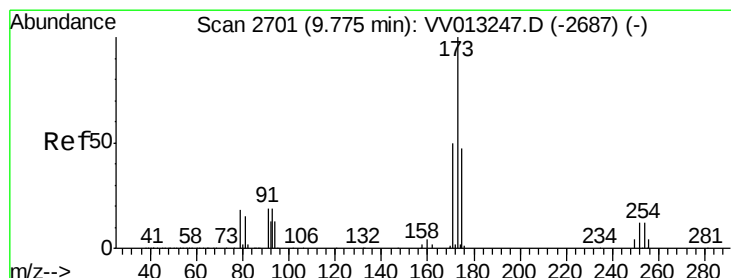
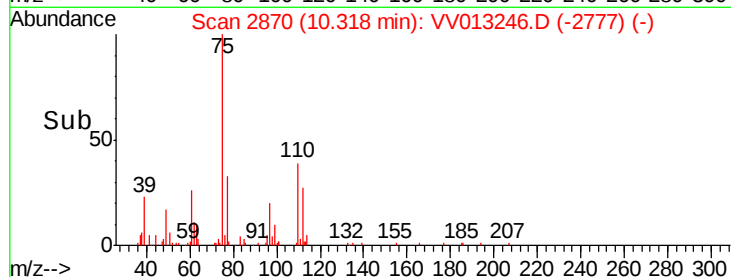
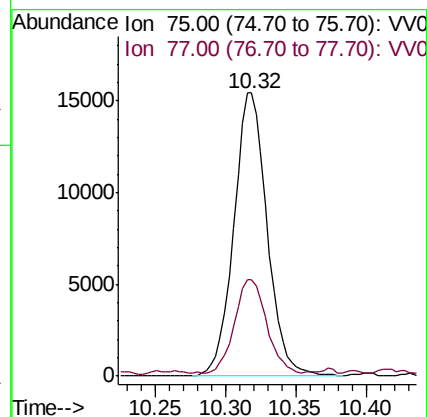
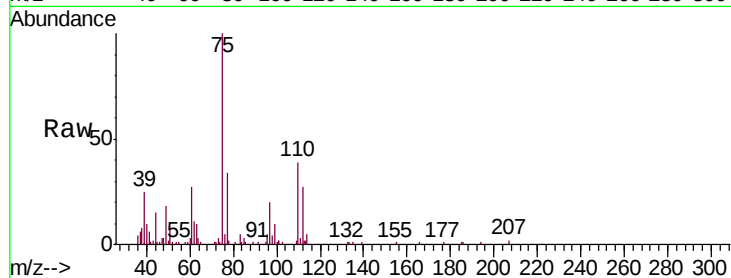
VSTD00132

Tgt Ion: 75 Resp: 25518

Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1



#61

Bromoform

Concen: 0.853 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

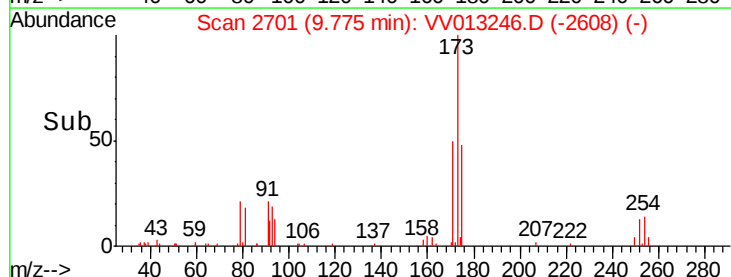
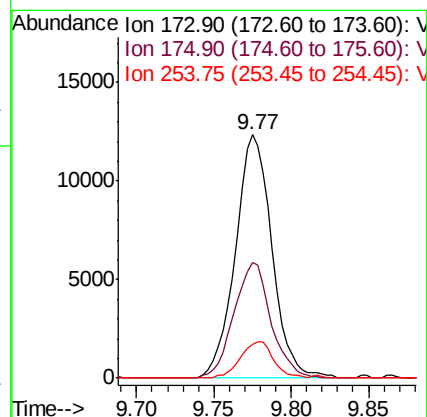
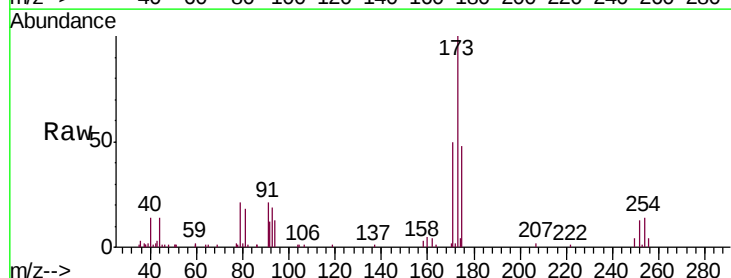
Tgt Ion: 173 Resp: 20238

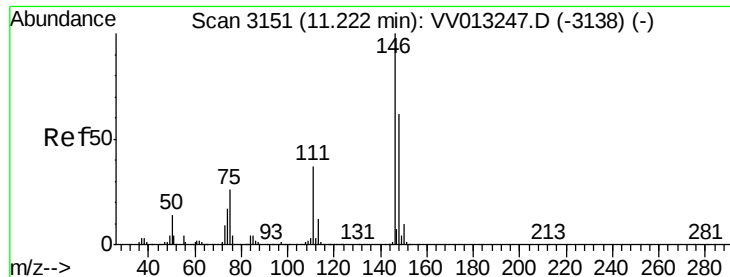
Ion Ratio Lower Upper

173 100

175 47.9 38.8 58.2

254 13.6 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 0.863 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

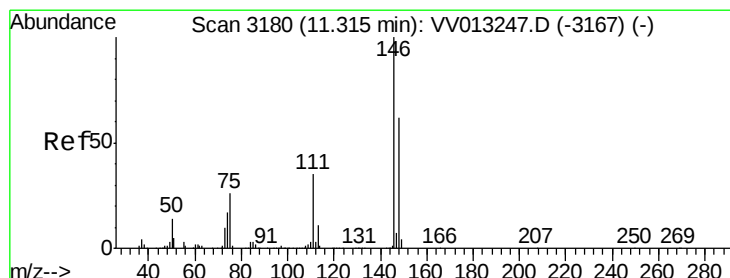
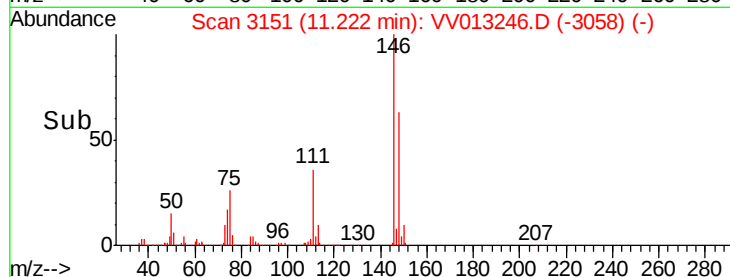
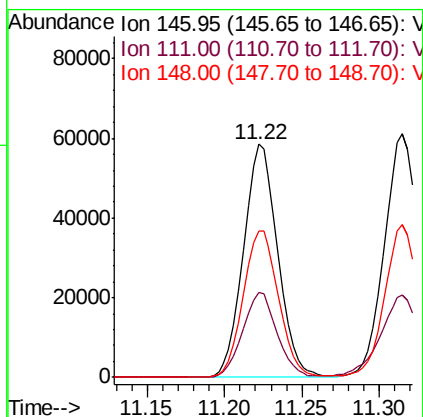
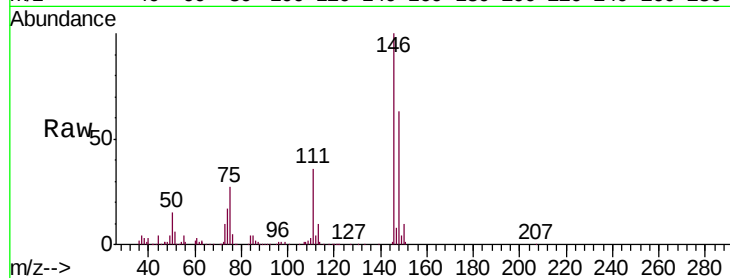
Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

Tgt Ion:	146	Resp:	90495
Ion	Ratio	Lower	Upper
146	100		
111	36.3	25.8	47.8
148	62.9	43.8	81.3



#63

1,4-Dichlorobenzene

Concen: 0.900 ug/L

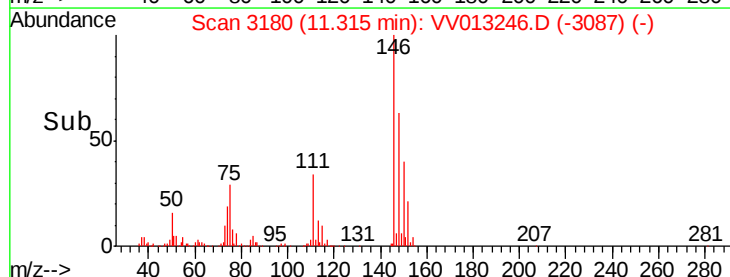
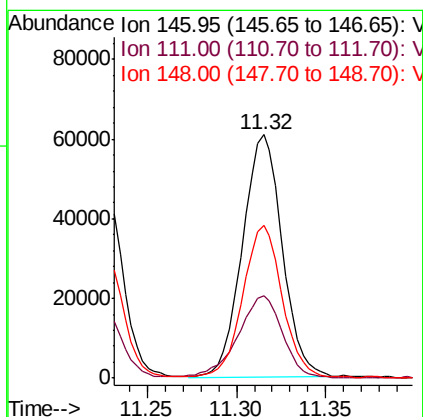
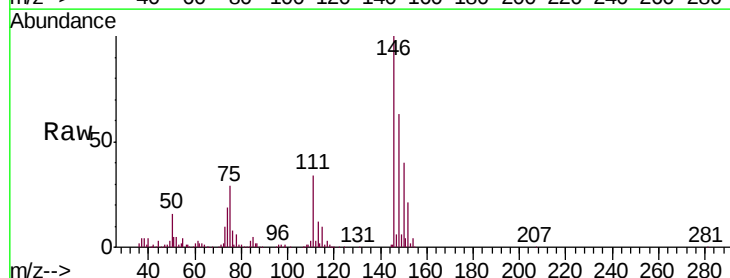
RT: 11.32 min Scan# 3180

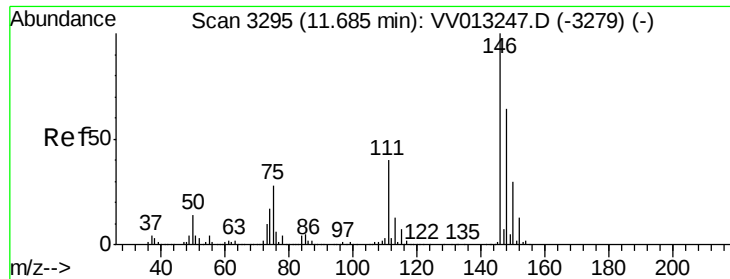
Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Tgt Ion:	146	Resp:	94407
Ion	Ratio	Lower	Upper
146	100		
111	33.8	24.6	45.6
148	63.0	43.3	80.5

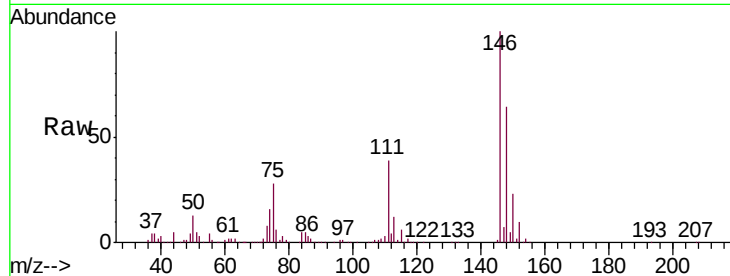




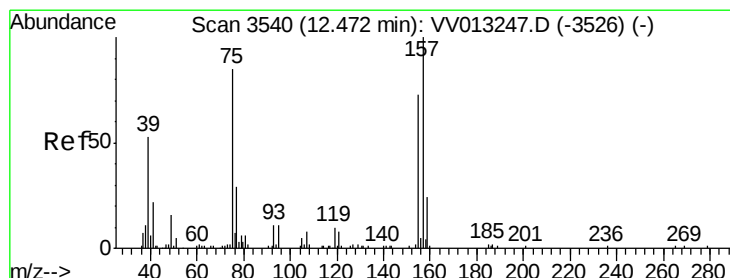
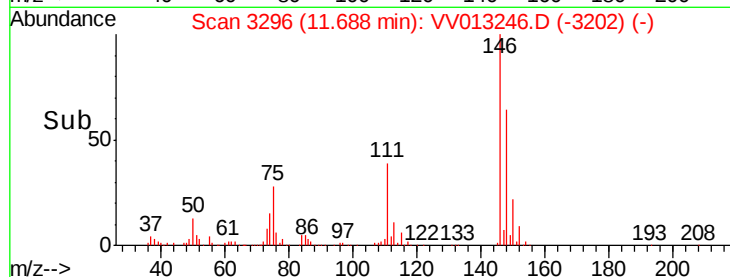
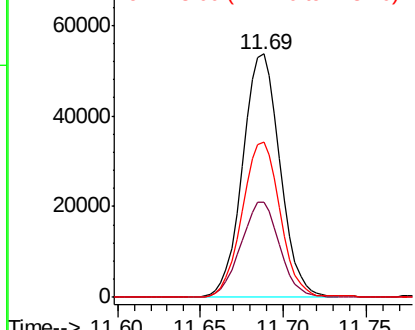
#65
 1,2-Dichlorobenzene
 Concen: 0.853 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:146 Resp: 84541
 Ion Ratio Lower Upper
 146 100
 111 39.3 31.8 47.6
 148 63.7 51.0 76.6

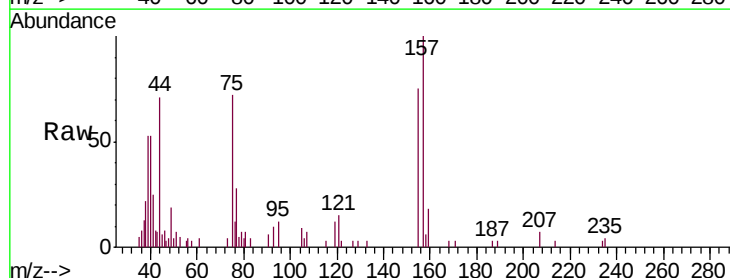


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

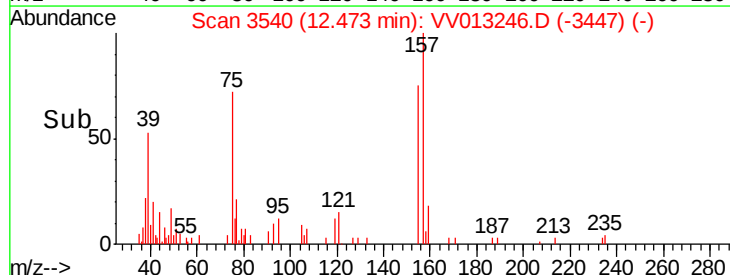
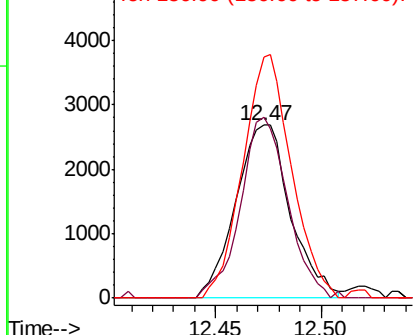


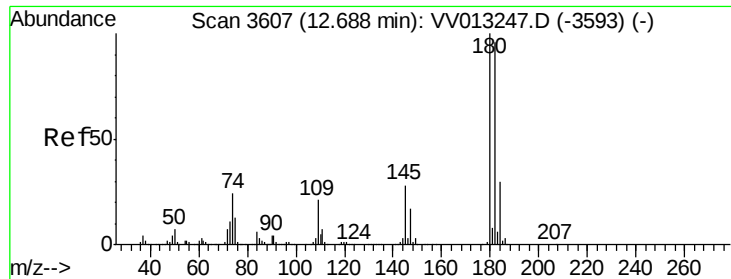
#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.782 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion: 75 Resp: 4842
 Ion Ratio Lower Upper
 75 100
 155 104.4 69.3 103.9#
 157 139.0 94.3 141.5



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

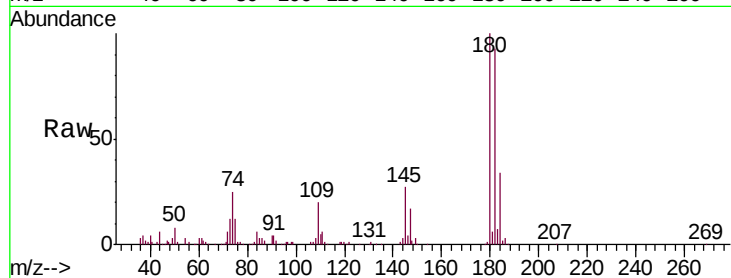




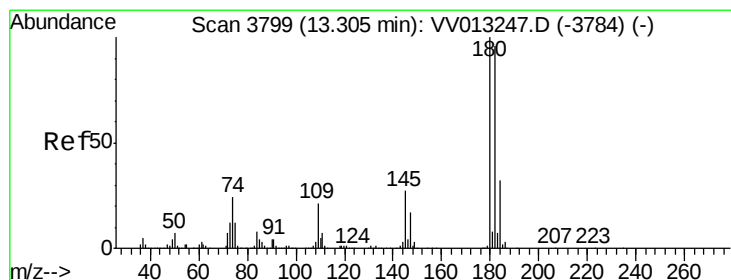
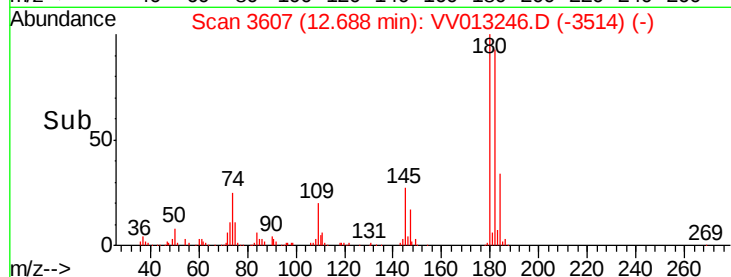
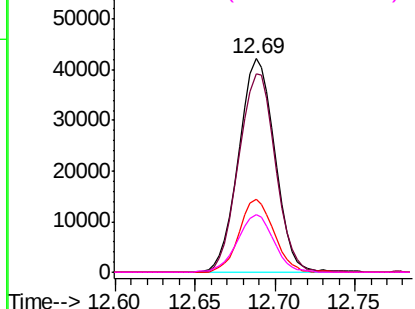
#67
 1,3,5-Trichlorobenzene
 Concen: 0.842 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00132

Tgt Ion:180	Resp:	64765
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.2 114.2
184	32.4	24.0 36.0
145	27.2	21.8 32.8

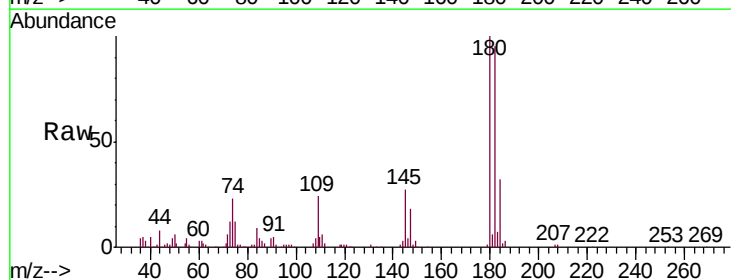


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

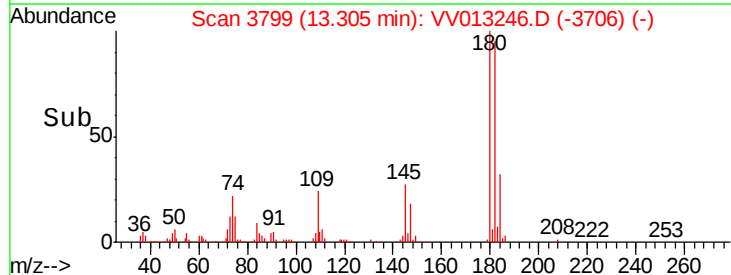
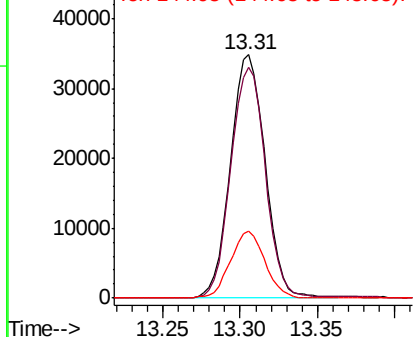


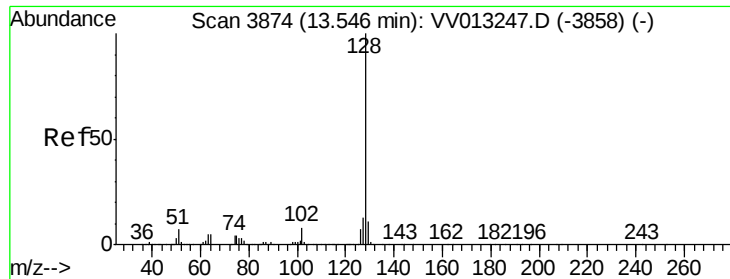
#68
 1,2,4-trichlorobenzene
 Concen: 0.815 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013246.D
 Acq: 21 Oct 2019 16:01

Tgt Ion:180	Resp:	54166
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.7 115.1
145	27.2	22.1 33.1



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





#69

Naphthalene

Concen: 0.603 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00132

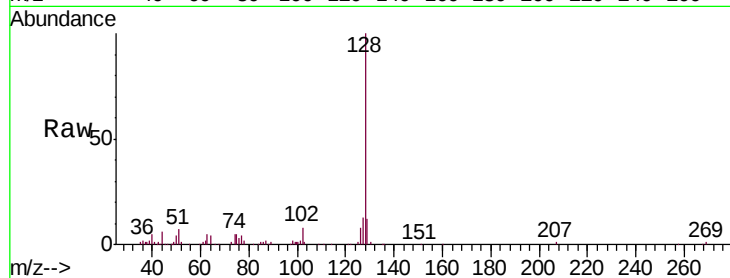
Tgt Ion:128 Resp: 61094

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

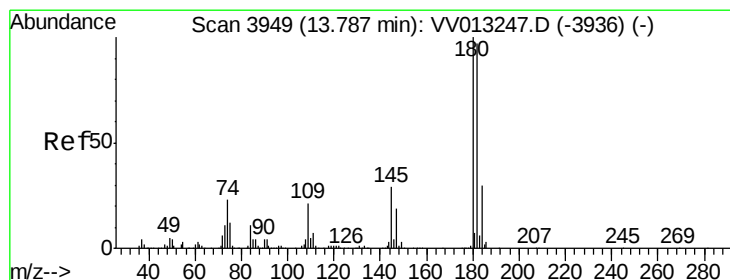
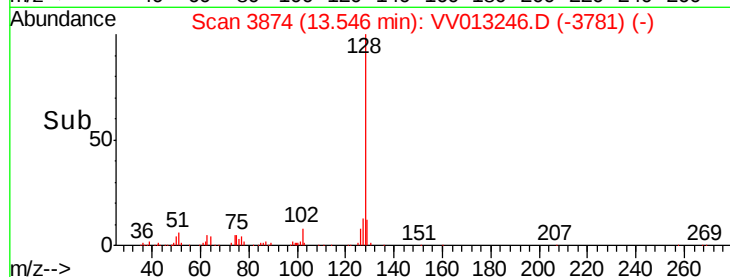
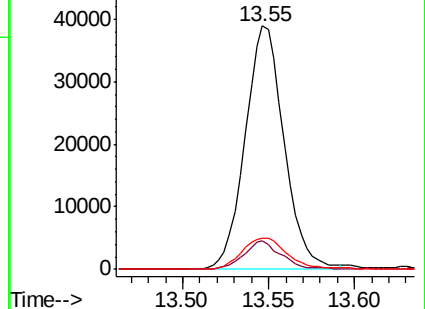
127 15.2 10.4 15.6



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: 0.756 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013246.D

Acq: 21 Oct 2019 16:01

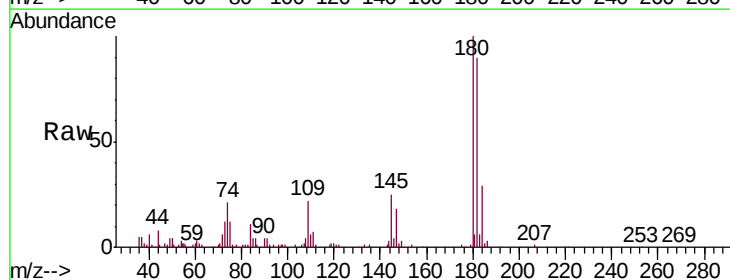
Tgt Ion:180 Resp: 49886

Ion Ratio Lower Upper

180 100

182 92.5 76.5 114.7

145 28.7 23.5 35.3



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

