

Data File : VV012439.D
Acq On : 29 Aug 2019 18:45
Operator : SY/MD
Sample : VSTD00136
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Quant Time: Aug 30 05:25:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	197731	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194145	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	86332	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18895	3.92	ug/L	0.00
7) Chloroethane-d5	1.58	69	13649	3.53	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	30159	2.07	ug/L	0.00
20) 2-Butanone-d5	3.97	46	9829	3.12	ug/L	0.00
24) Chloroform-d	4.40	84	31123	1.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	15327	1.76	ug/L	0.00
32) Benzene-d6	5.10	84	56210	1.94	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	18795	1.56	ug/L	0.00
41) Toluene-d8	7.36	98	49281	1.71	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	6094	1.36	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	21889	9.39	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	13019	1.16	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17130	1.28	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	26719	0.950 ug/L	99
3) Chloromethane	1.25	50	28163	1.195 ug/L	95
5) Vinyl chloride	1.32	62	26639	1.222 ug/L	98
6) Bromomethane	1.54	94	14751	1.279 ug/L	94
8) Chloroethane	1.60	64	13795	1.198 ug/L	100
9) Trichlorofluoromethane	1.77	101	33949	1.142 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16498	1.137 ug/L	99
12) 1,1-Dichloroethene	2.14	96	15351	1.112 ug/L	97
13) Acetone	2.24	43	25586	11.126 ug/L	67
14) Carbon disulfide	2.32	76	47653	1.140 ug/L	99
15) Methyl Acetate	2.47	43	6867	1.219 ug/L	98
16) Methylene chloride	2.53	84	19559	1.305 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	41691	1.017 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	19566	1.035 ug/L	97
19) 1,1-Dichloroethane	3.23	63	38618	1.040 ug/L	99
21) 2-Butanone	4.06	43	44928	9.582 ug/L	# 68
22) cis-1,2-Dichloroethene	3.96	96	19526	0.964 ug/L	96
23) Bromochloromethane	4.30	128	9321	1.089 ug/L	88
25) Chloroform	4.43	83	42192	1.090 ug/L	98
27) 1,2-Dichloroethane	5.18	62	22436	1.028 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	31483	0.991 ug/L	96
30) Cyclohexane	4.72	56	27486	0.852 ug/L	99
31) Carbon tetrachloride	4.87	117	27605	0.989 ug/L	97
33) Benzene	5.14	78	79289	0.987 ug/L	100
34) Trichloroethene	5.96	95	20097	0.966 ug/L	97
35) Methylcyclohexane	6.17	83	26390	0.828 ug/L	97
37) 1,2-Dichloropropane	6.22	63	20244	0.989 ug/L	# 97
38) Bromodichloromethane	6.55	83	25046	0.953 ug/L	# 95
39) cis-1,3-Dichloropropene	7.07	75	24877	0.920 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	108166	9.267 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 30 05:22:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	78213	0.947	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	19241	0.914	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	13971	1.019	ug/L	95
47) Tetrachloroethene	8.02	164	16171	0.954	ug/L	97
48) 2-Hexanone	8.19	43	71949	8.948	ug/L	99
49) Dibromochloromethane	8.29	129	15564	0.959	ug/L	96
50) 1,2-Dibromoethane	8.40	107	12310	0.993	ug/L	93
51) Chlorobenzene	8.92	112	50299	0.951	ug/L	99
52) Ethylbenzene	9.05	91	76572	0.863	ug/L	100
53) m,p-xylene	9.18	106	26900	0.814	ug/L	94
54) o-xylene	9.59	106	26429	0.833	ug/L	90
55) Styrene	9.60	104	42073	0.789	ug/L	97
56) Isopropylbenzene	9.97	105	68543	0.811	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	16810	1.029	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	11955	1.027	ug/L	91
61) Bromoform	9.77	173	8231	1.007	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	34944	0.947	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	37131	1.006	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	33839	0.982	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	2558	1.065	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	25220	0.891	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	16555	0.757	ug/L	97
69) Naphthalene	13.55	128	20458	0.608	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	16396	0.778	ug/L	97

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

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```
ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

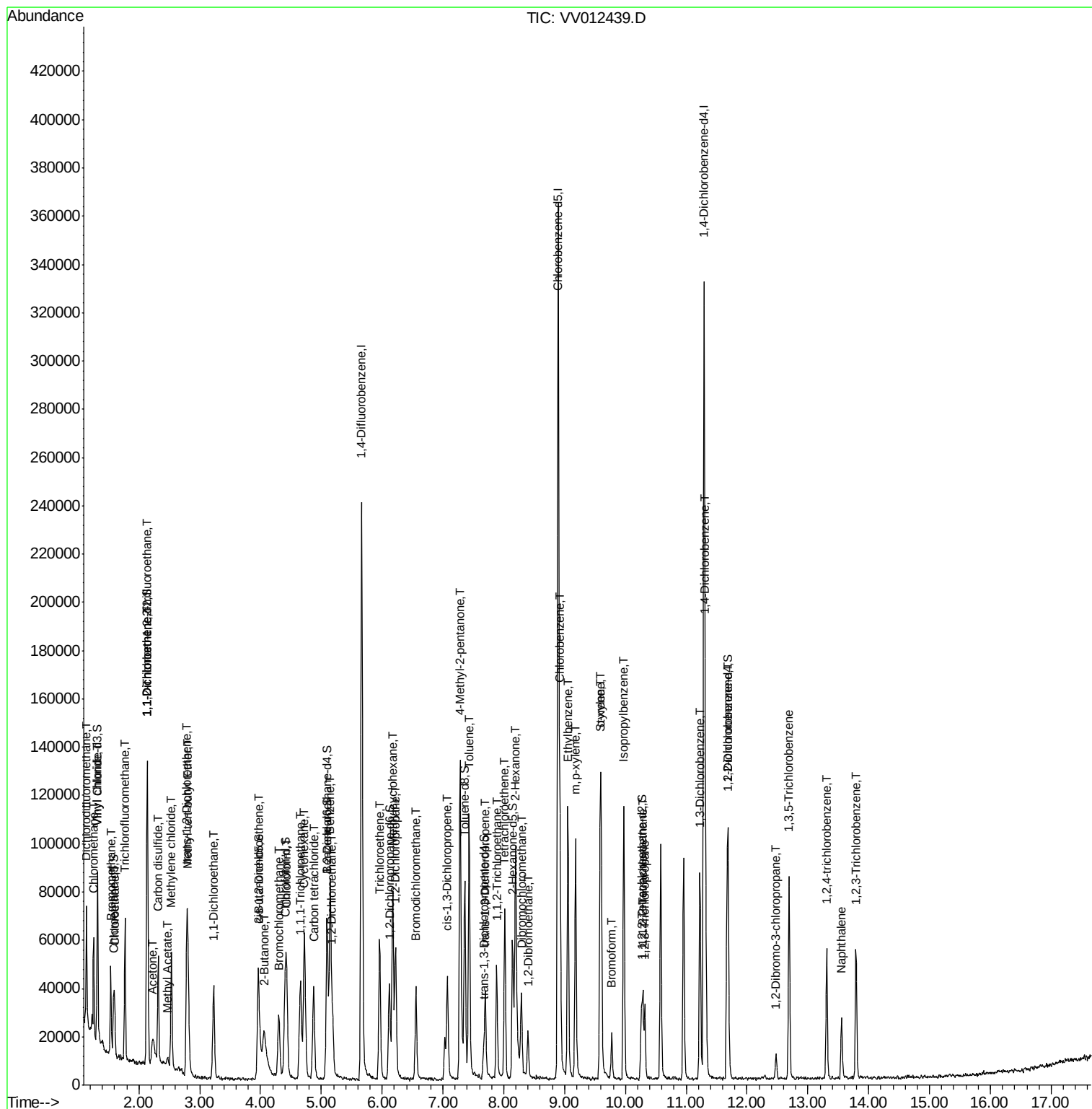
Quant Time: Aug 30 05:25:02 2019

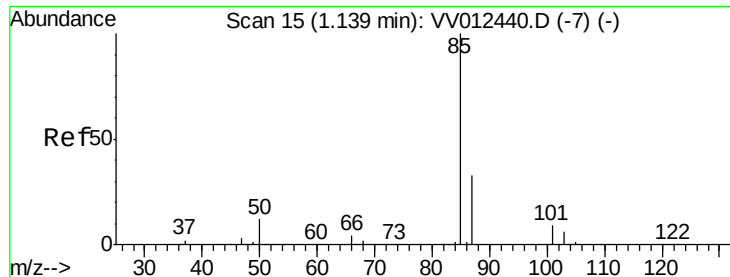
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Aug 30 05:22:00 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.950 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

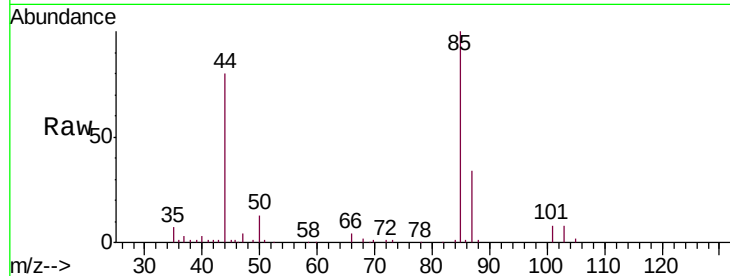
VSTD00136

Tgt Ion: 85 Resp: 26719

Ion Ratio Lower Upper

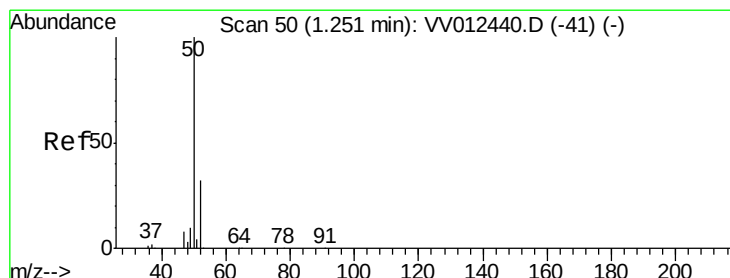
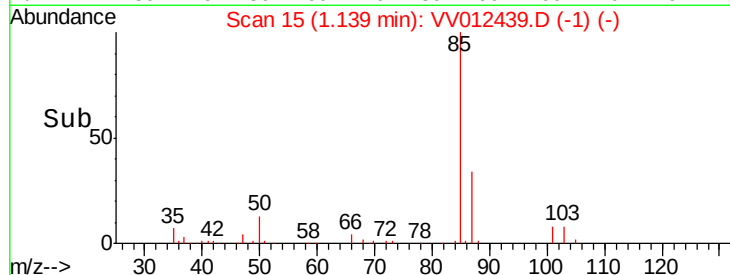
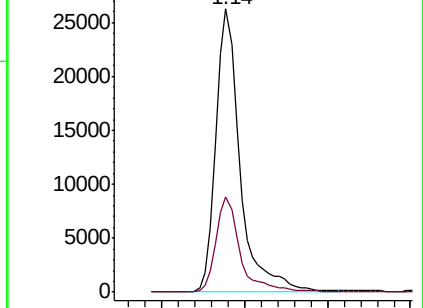
85 100

87 33.5 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV012440.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012440.D (-7) (-)



#3

Chloromethane

Concen: 1.195 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012439.D

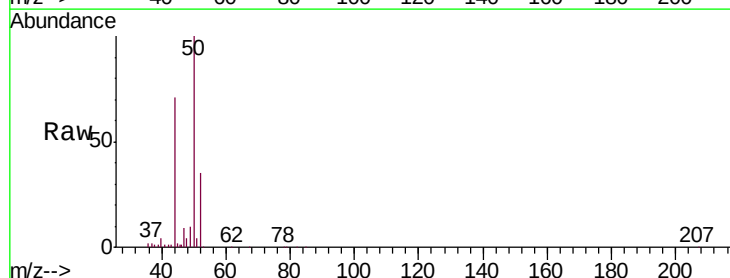
Acq: 29 Aug 2019 18:45

Tgt Ion: 50 Resp: 28163

Ion Ratio Lower Upper

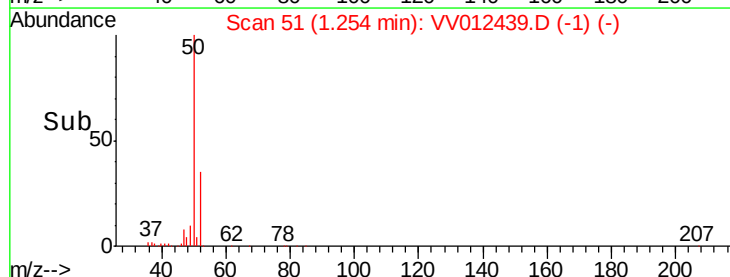
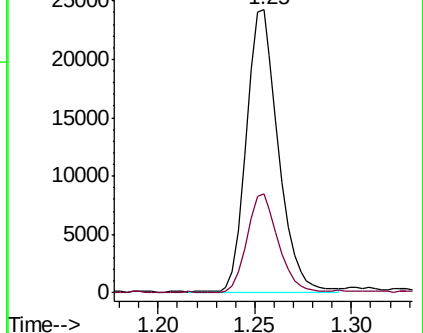
50 100

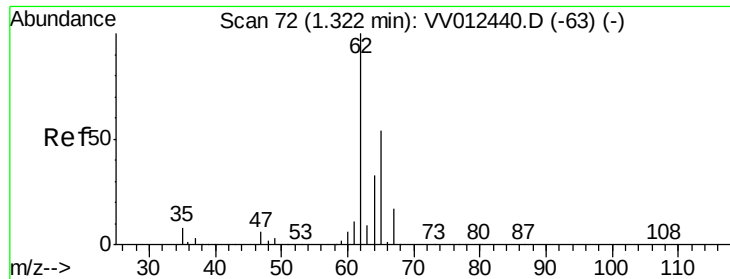
52 34.9 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV012440.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV012440.D (-41) (-)





#5

Vinyl chloride

Concen: 1.222 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

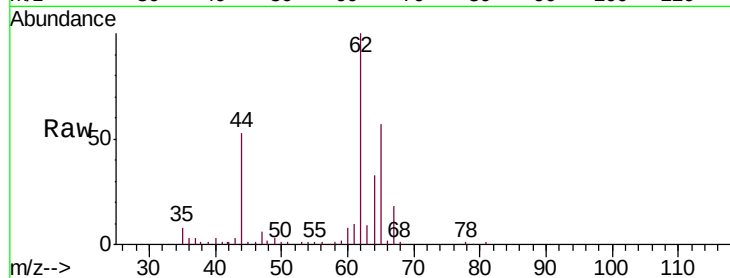
VSTD00136

Tgt Ion: 62 Resp: 26639

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

25000

20000

15000

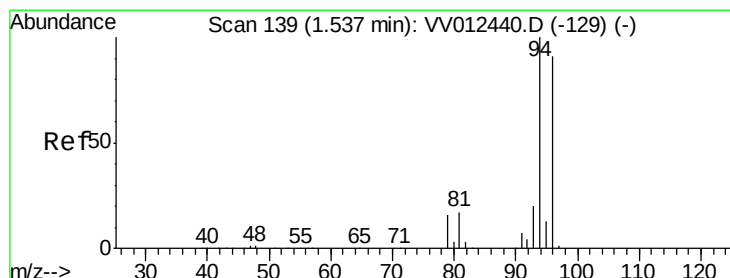
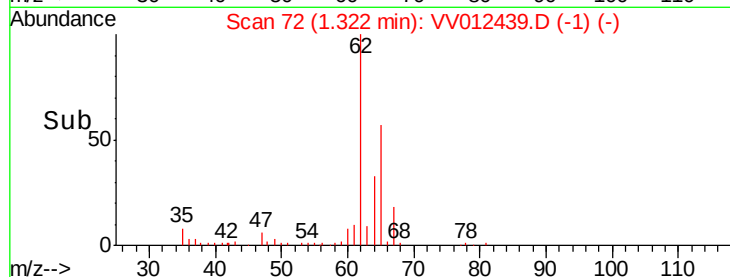
10000

5000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 1.279 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012439.D

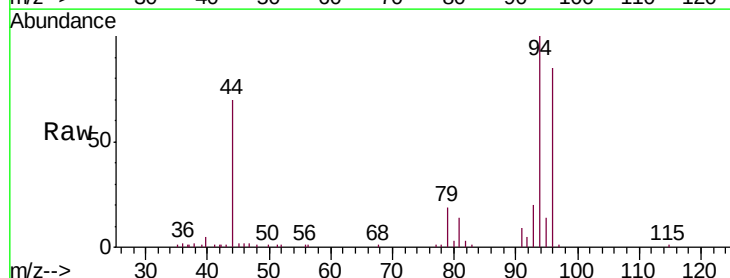
Acq: 29 Aug 2019 18:45

Tgt Ion: 94 Resp: 14751

Ion Ratio Lower Upper

94 100

96 85.4 64.0 119.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

15000

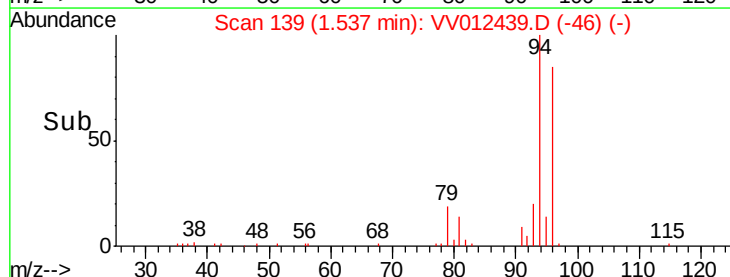
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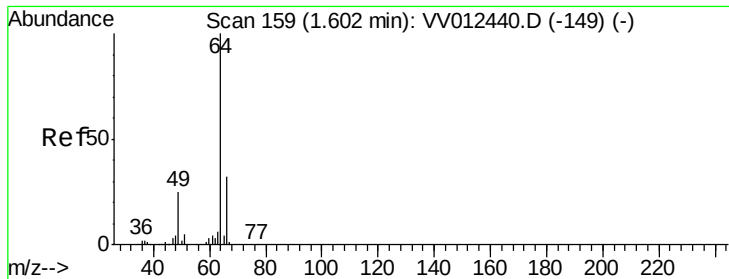
5000

0

Time-->

1.50 1.55 1.60

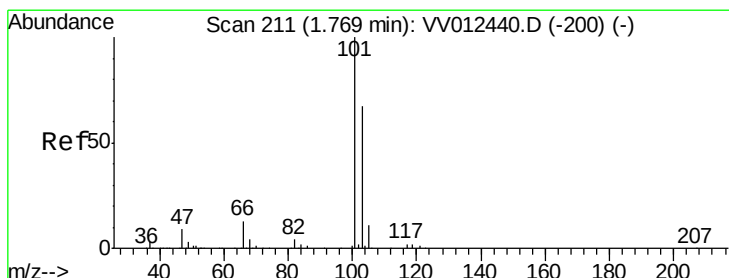
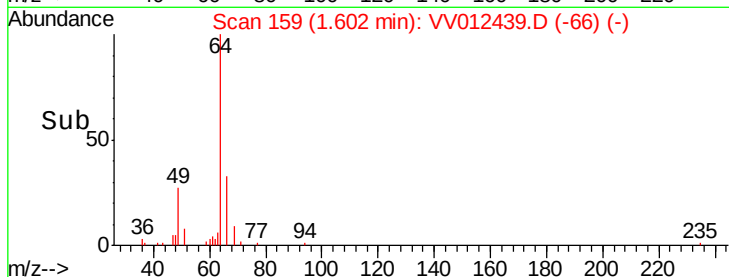
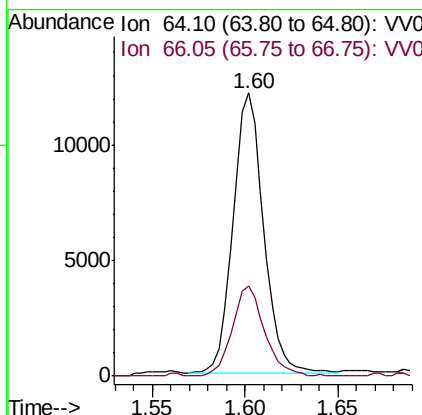
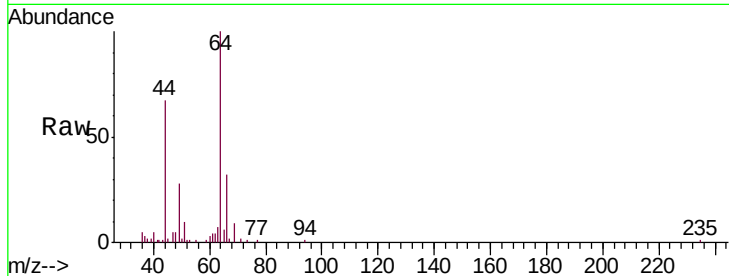




#8
Chloroethane
Concen: 1.198 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

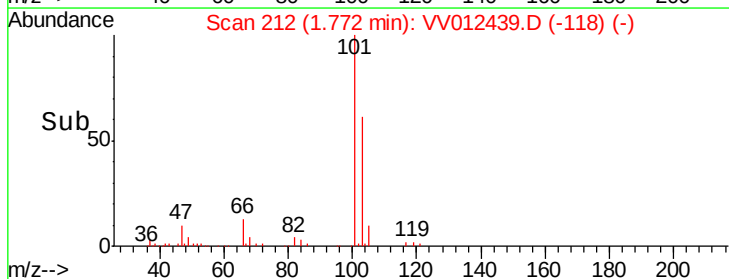
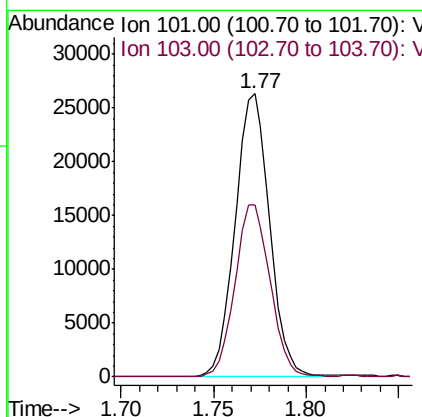
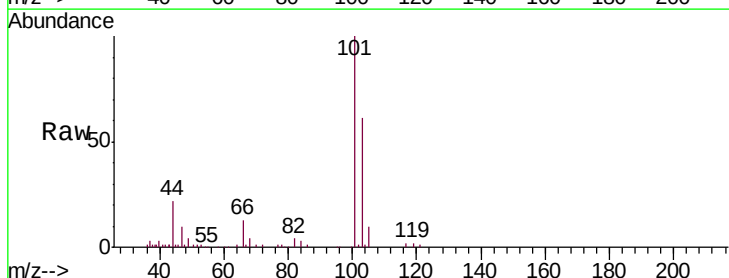
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

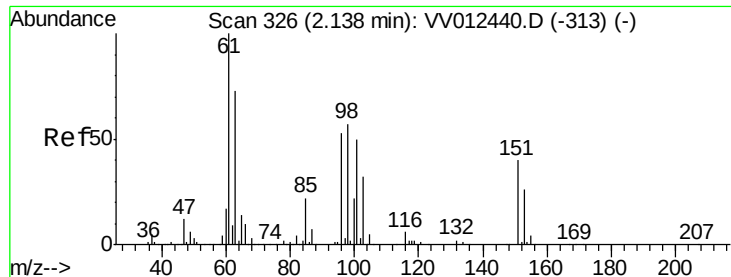
Tgt Ion: 64 Resp: 13795
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 1.142 ug/L
RT: 1.77 min Scan# 212
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Tgt Ion: 101 Resp: 33949
Ion Ratio Lower Upper
101 100
103 61.8 53.0 79.4





#10

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

Concen: 1.137 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

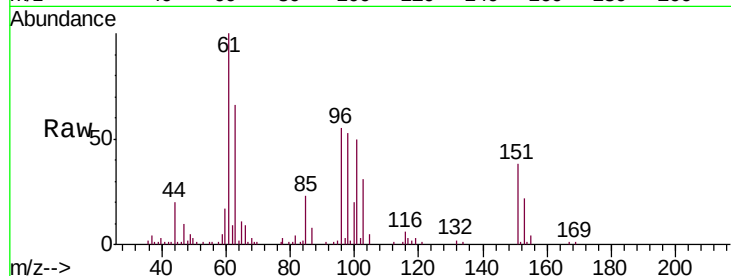
Tgt Ion: 101 Resp: 16498

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

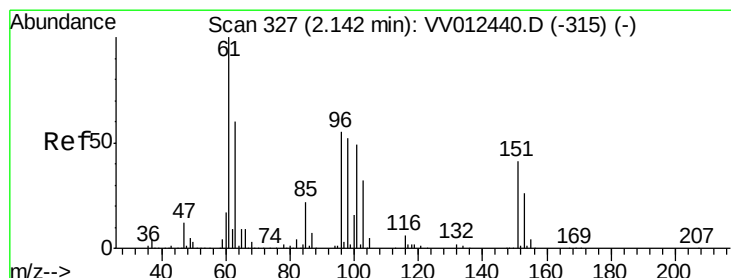
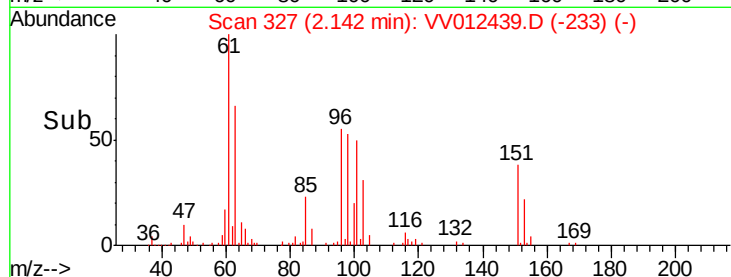
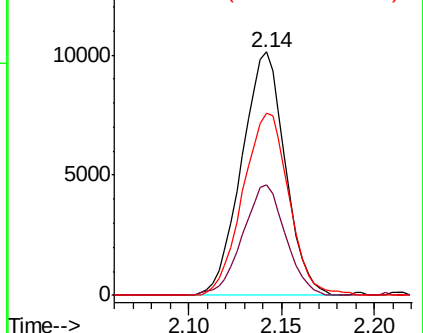
151 79.1 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): VV012440.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV012440.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV012440.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 1.112 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

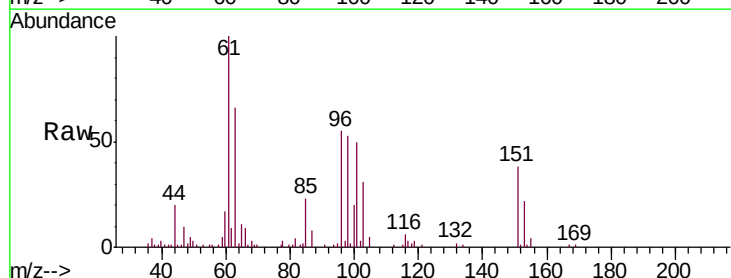
Tgt Ion: 96 Resp: 15351

Ion Ratio Lower Upper

96 100

61 181.4 127.8 237.4

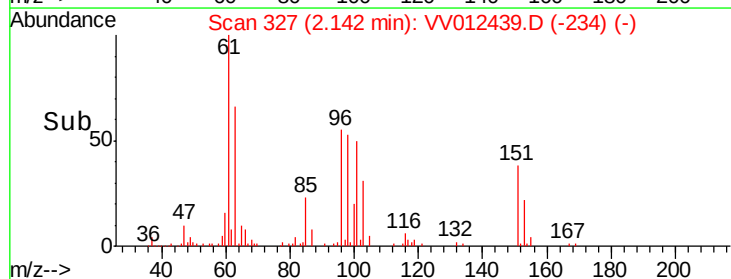
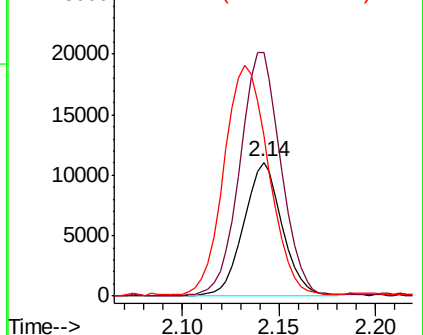
63 119.4 78.2 145.2

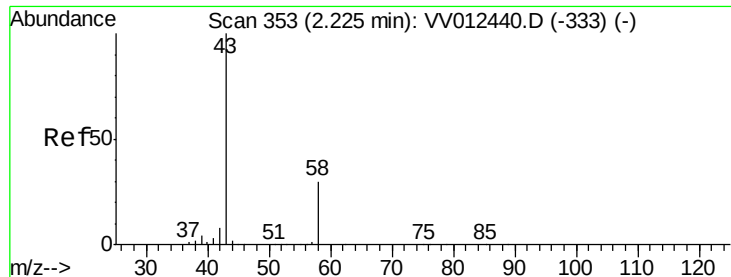


Abundance Ion 96.00 (95.70 to 96.70): VV012440.D (-315) (-)

Ion 61.05 (60.75 to 61.75): VV012440.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV012440.D (-315) (-)





#13

Acetone

Concen: 11.126 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.01 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

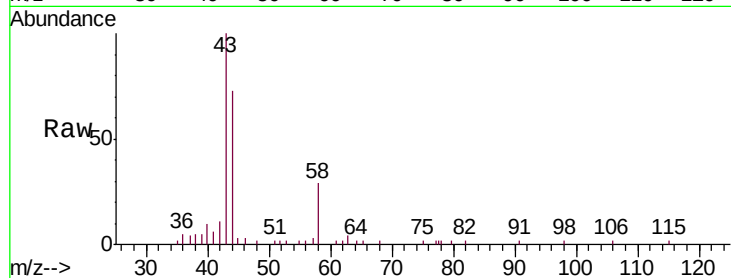
VSTD00136

Tgt Ion: 43 Resp: 25586

Ion Ratio Lower Upper

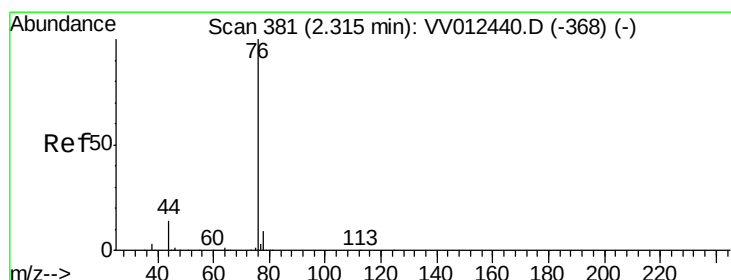
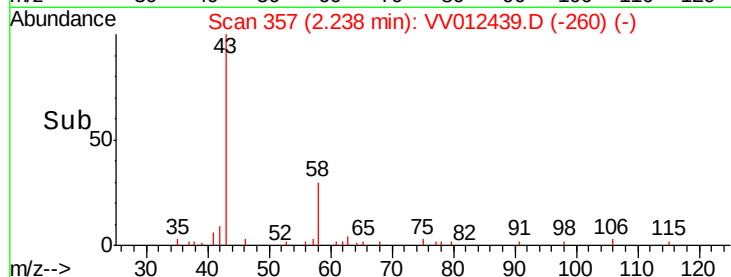
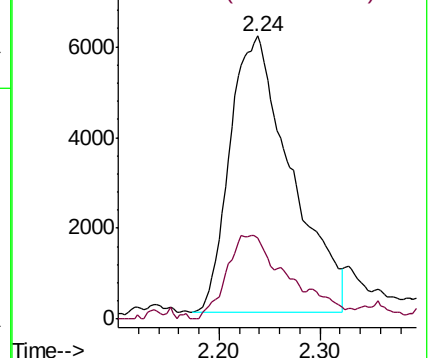
43 100

58 11.2 0.0 56.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 1.140 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012439.D

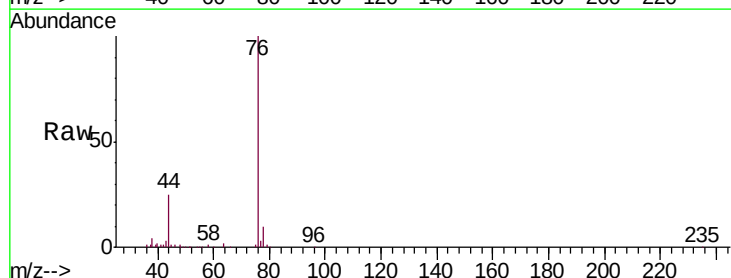
Acq: 29 Aug 2019 18:45

Tgt Ion: 76 Resp: 47653

Ion Ratio Lower Upper

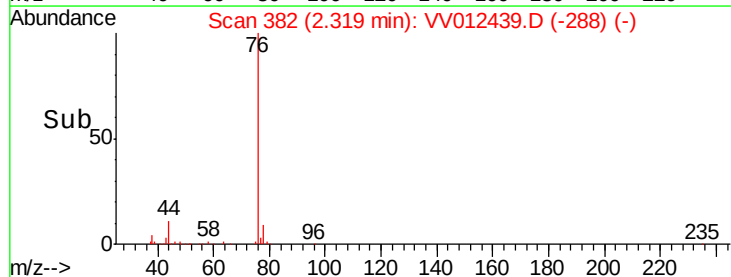
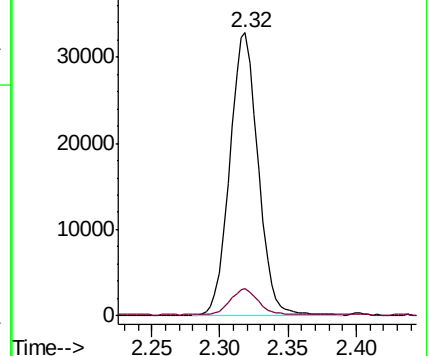
76 100

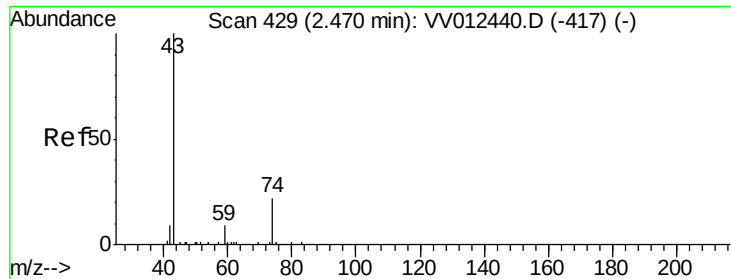
78 9.5 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

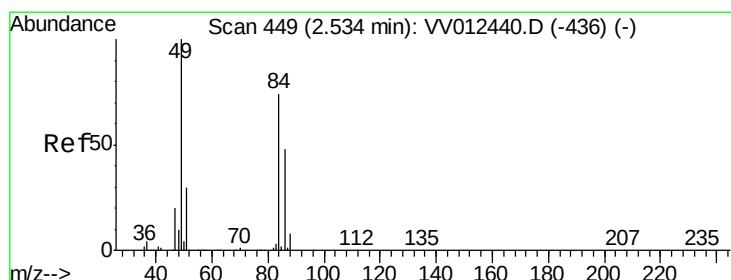
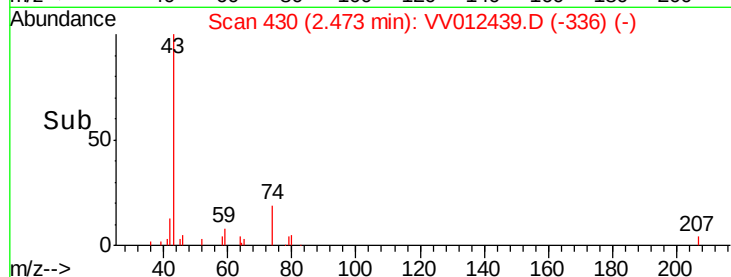
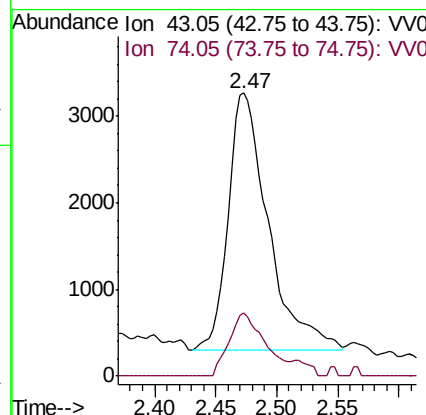
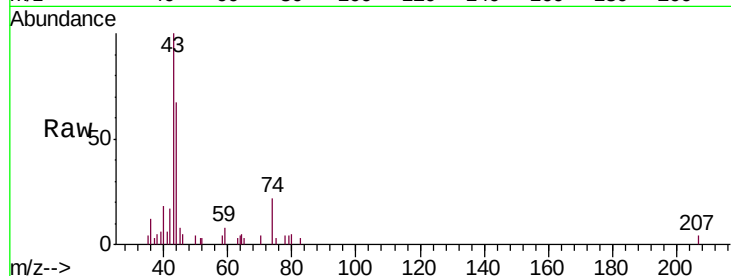




#15
Methyl Acetate
Concen: 1.219 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

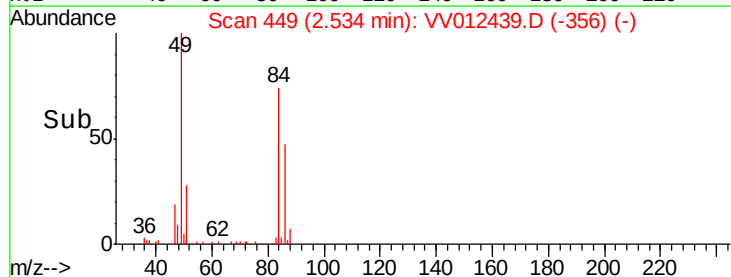
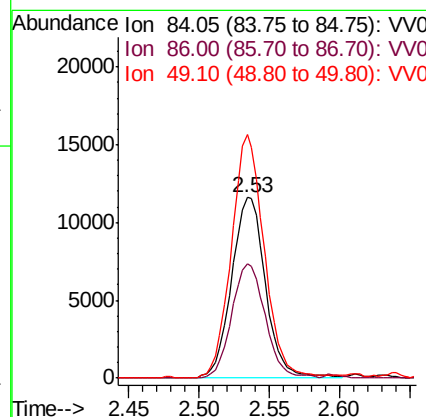
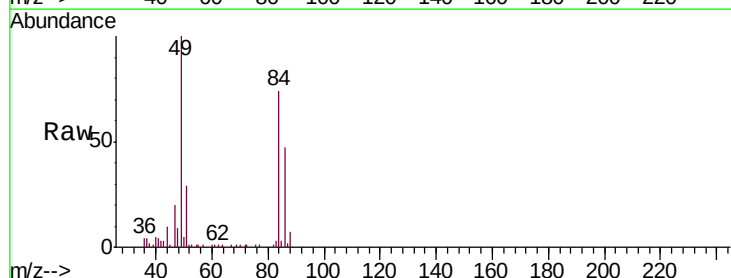
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

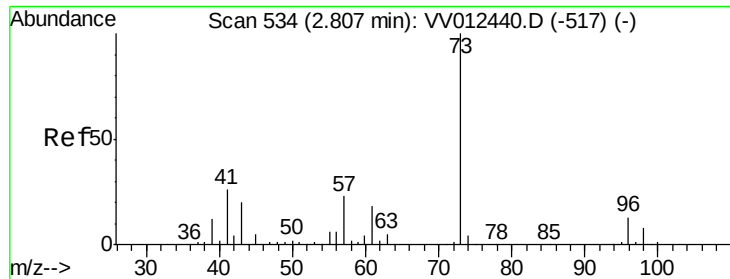
Tgt Ion: 43 Resp: 6867
Ion Ratio Lower Upper
43 100
74 21.6 18.1 27.1



#16
Methylene chloride
Concen: 1.305 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Tgt Ion: 84 Resp: 19559
Ion Ratio Lower Upper
84 100
86 63.0 45.2 84.0
49 134.6 95.1 176.7

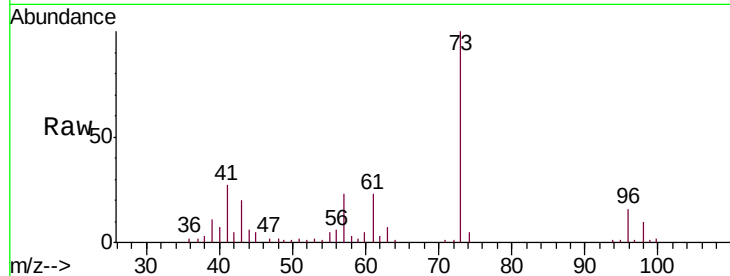




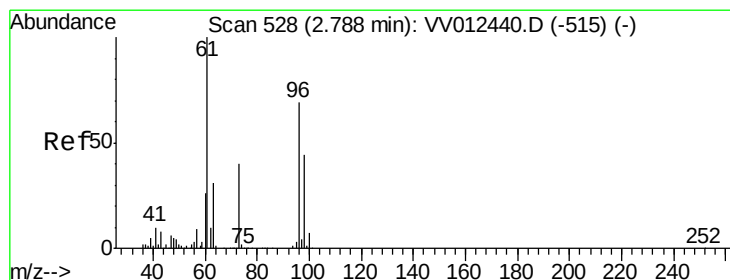
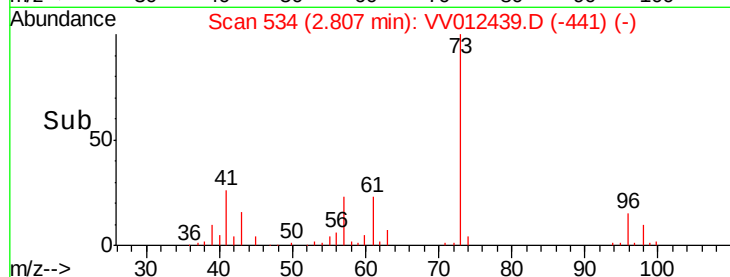
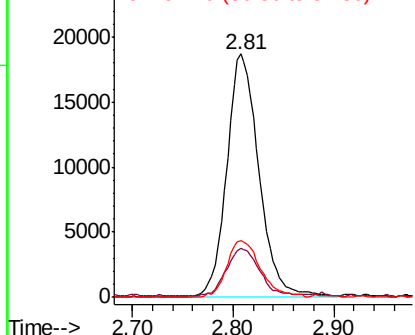
#17
Methyl tert-butyl Ether
Concen: 1.017 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tgt Ion:	73	Resp:	41691
Ion	Ratio	Lower	Upper
73	100		
43	20.1	16.1	24.1
57	24.0	18.8	28.2

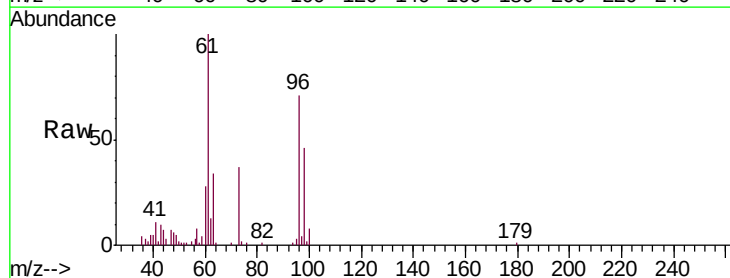


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

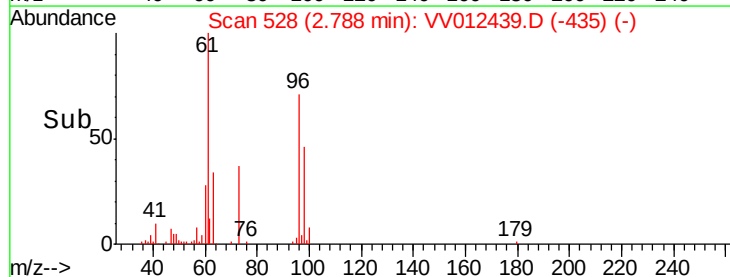
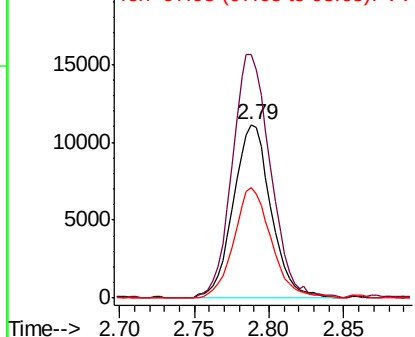


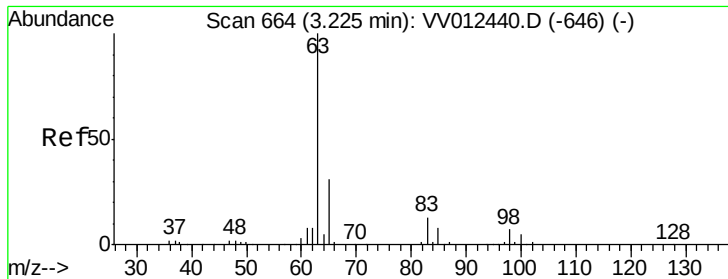
#18
trans-1,2-Dichloroethene
Concen: 1.035 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Tgt Ion:	96	Resp:	19566
Ion	Ratio	Lower	Upper
96	100		
61	140.3	101.2	188.0
98	63.9	44.1	81.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

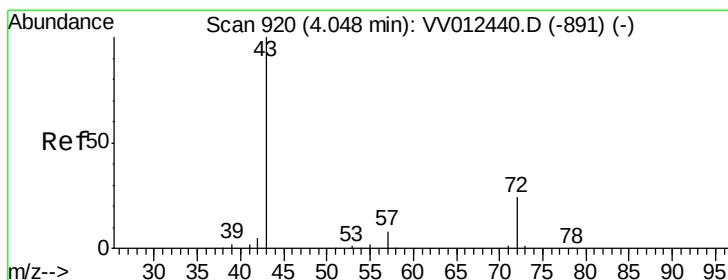
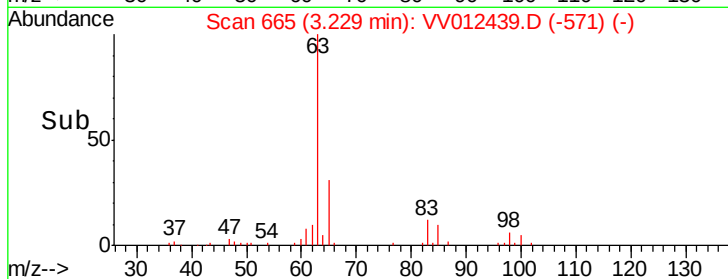
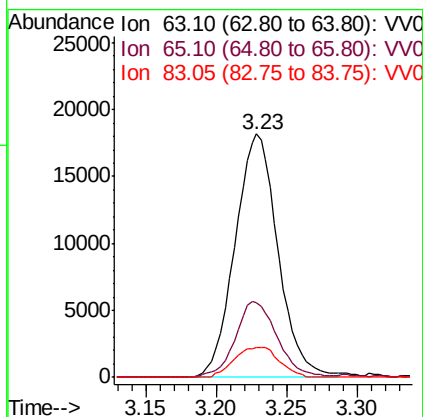
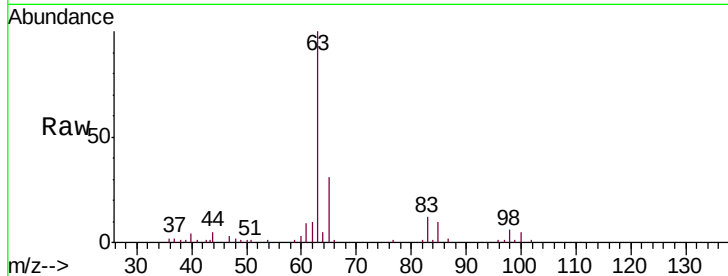




#19
 1,1-Dichloroethane
 Concen: 1.040 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

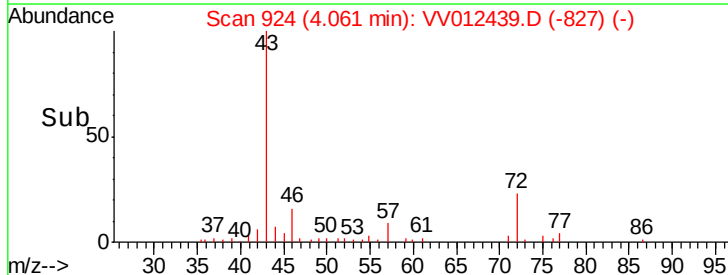
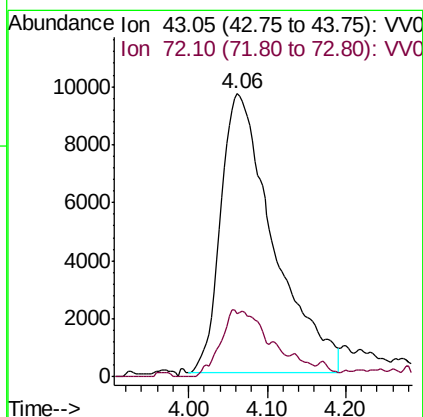
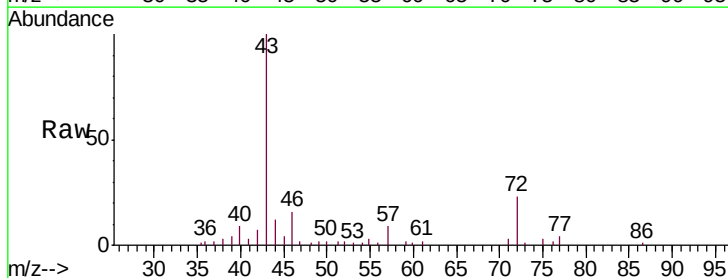
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

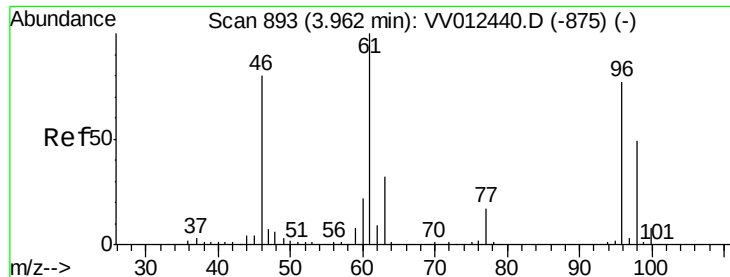
Tgt Ion: 63 Resp: 38618
 Ion Ratio Lower Upper
 63 100
 65 30.6 21.6 40.2
 83 12.1 9.0 16.8



#21
 2-Butanone
 Concen: 9.582 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 43 Resp: 44928
 Ion Ratio Lower Upper
 43 100
 72 7.8 11.8 35.3#



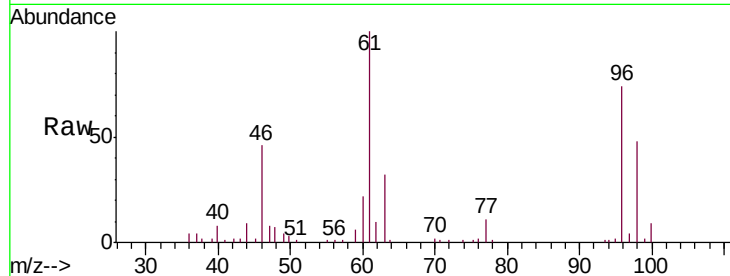


#22

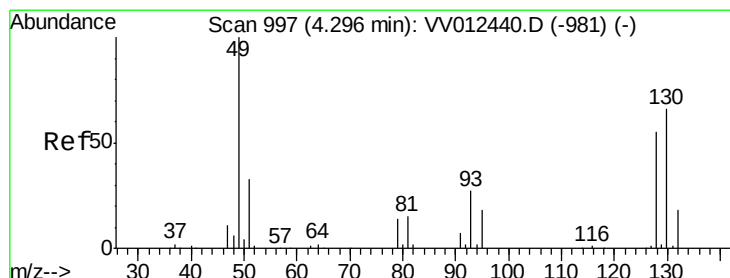
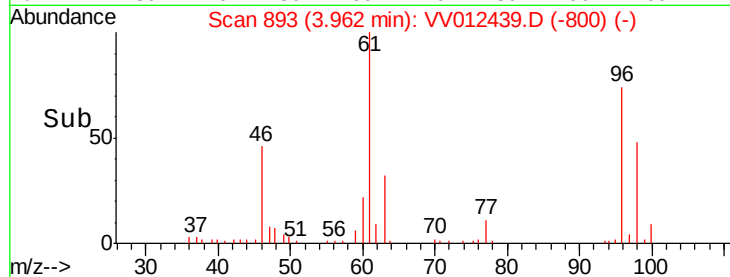
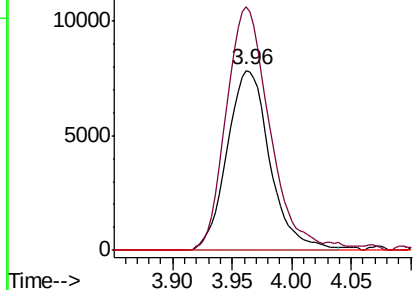
cis-1,2-Dichloroethene
Concen: 0.964 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tgt Ion: 96 Resp: 19526
Ion Ratio Lower Upper
96 100
61 135.4 91.5 169.9
68 0.0 0.0 0.0



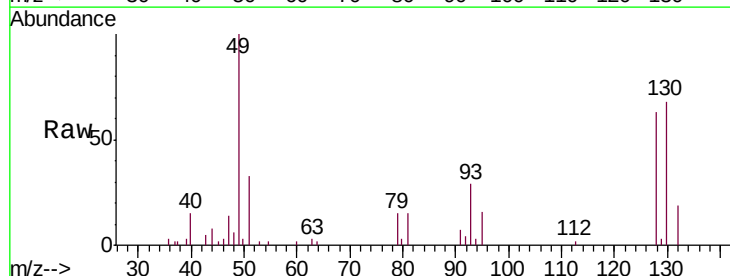
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



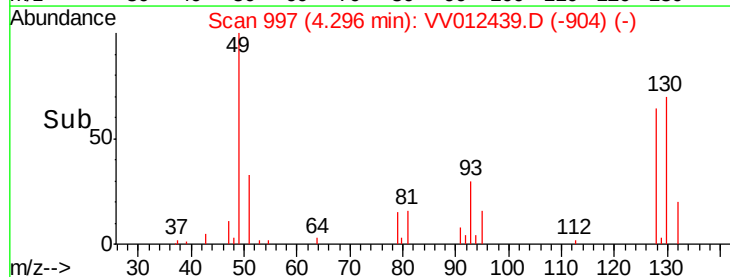
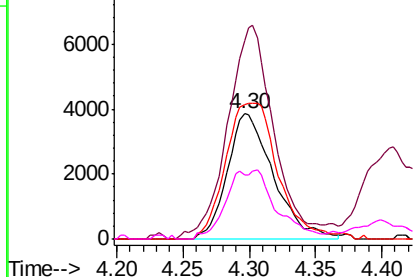
#23

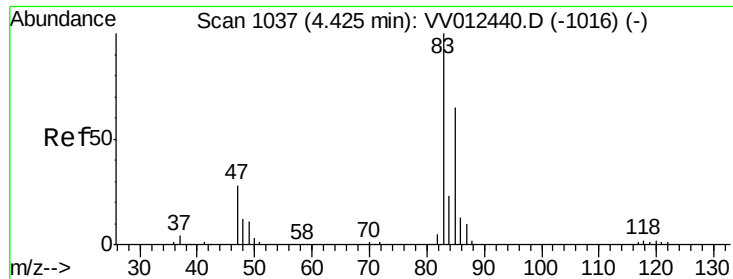
Bromochloromethane
Concen: 1.089 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Tgt Ion: 128 Resp: 9321
Ion Ratio Lower Upper
128 100
49 163.3 127.7 237.3
130 107.9 84.1 156.1
51 51.6 48.0 72.0



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

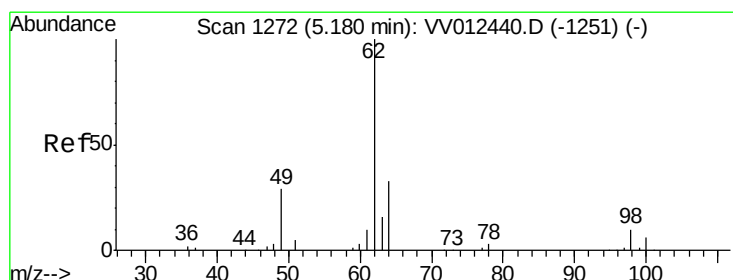
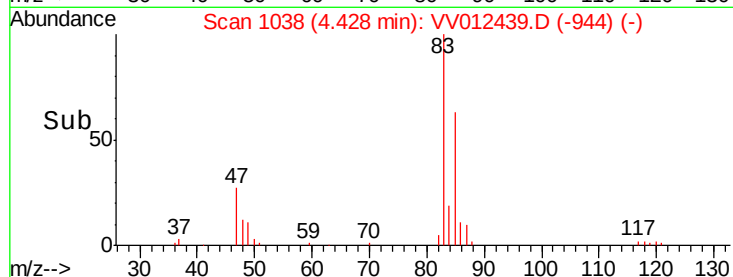
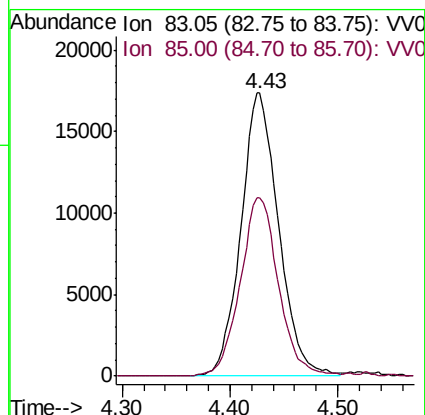
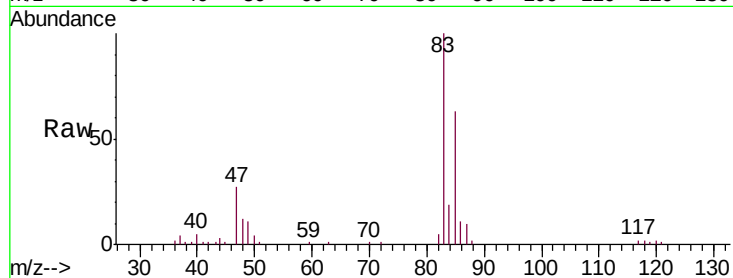




#25
Chloroform
Concen: 1.090 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

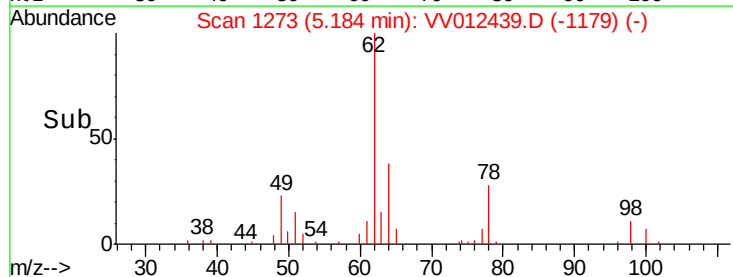
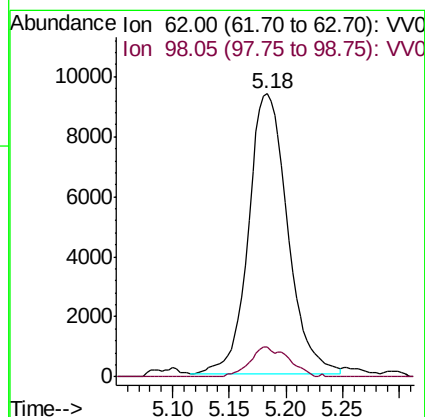
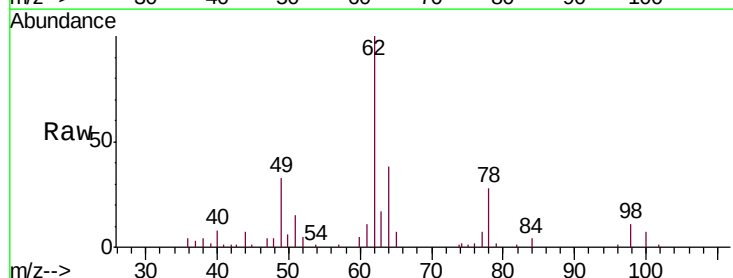
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

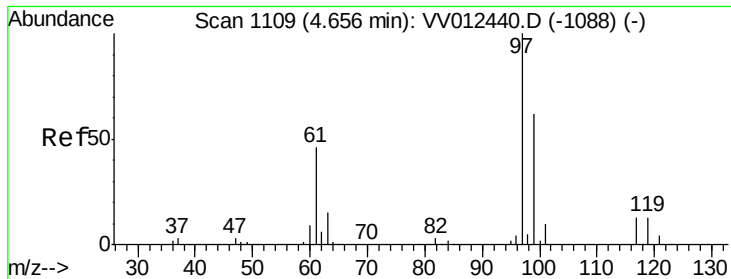
Tgt Ion: 83 Resp: 42192
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.028 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012439.D
Acq: 29 Aug 2019 18:45

Tgt Ion: 62 Resp: 22436
Ion Ratio Lower Upper
62 100
98 10.6 8.3 12.5

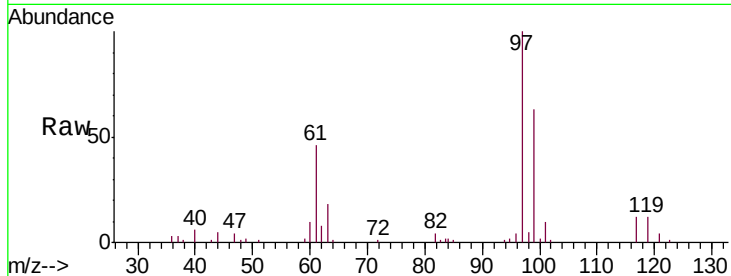




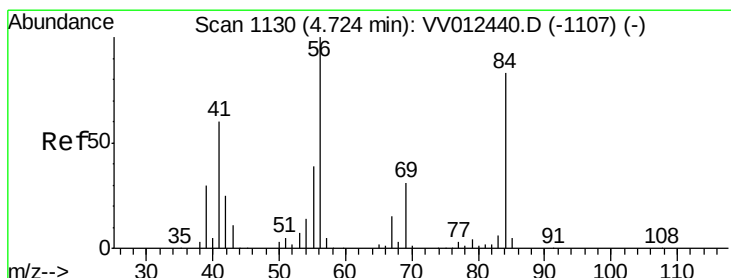
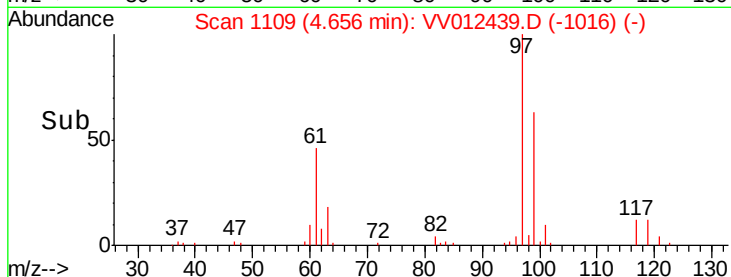
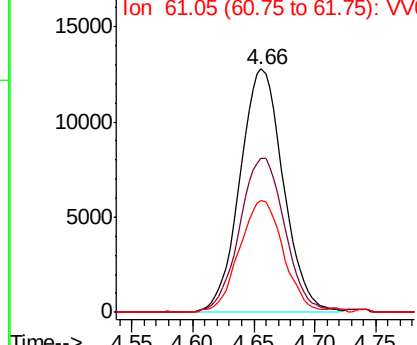
#29
 1,1,1-Trichloroethane
 Concen: 0.991 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion: 97 Resp: 31483
 Ion Ratio Lower Upper
 97 100
 99 66.5 49.8 74.6
 61 46.5 36.7 55.1

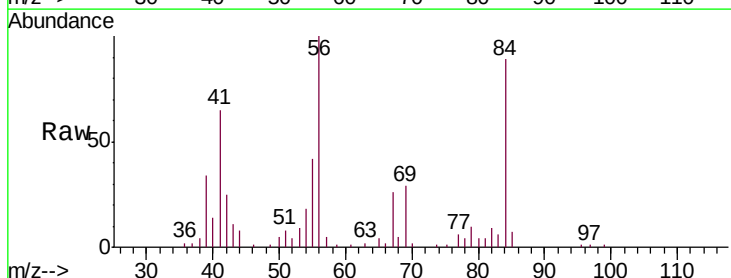


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

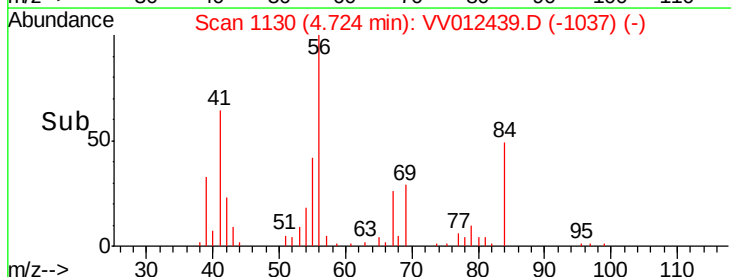
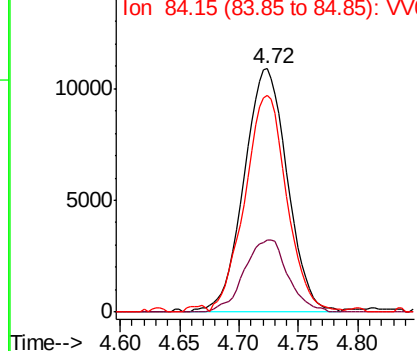


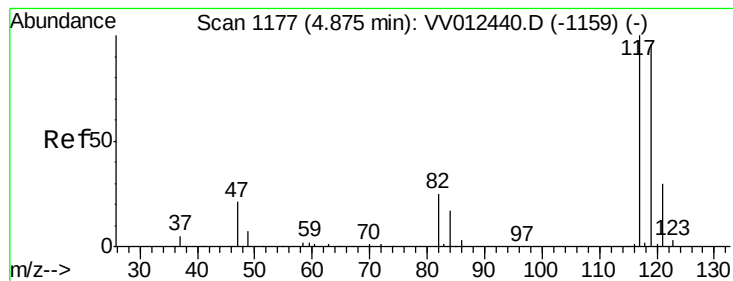
#30
 Cyclohexane
 Concen: 0.852 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 56 Resp: 27486
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.4 36.6
 84 86.2 67.8 101.6



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: 0.989 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

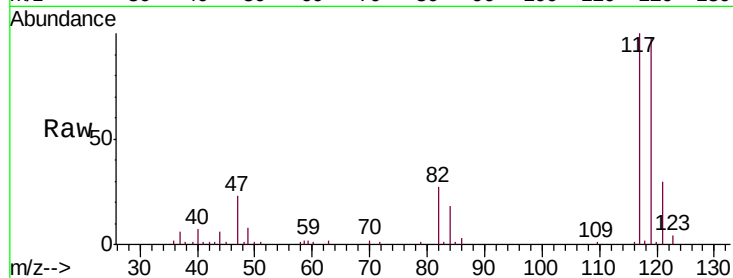
VSTD00136

Tgt Ion:117 Resp: 27605

Ion Ratio Lower Upper

117 100

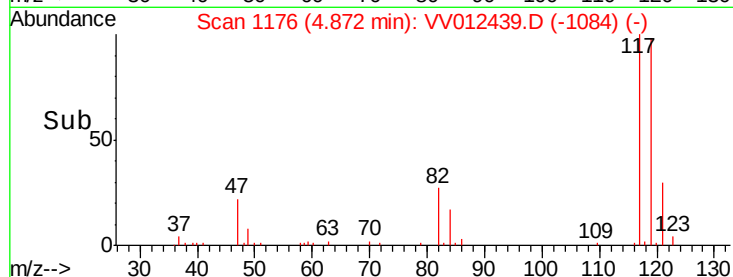
119 94.1 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87



117

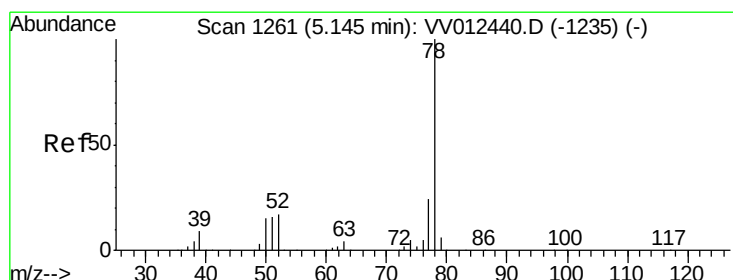
4.87

4.87

4.87

4.87

4.87



#33

Benzene

Concen: 0.987 ug/L

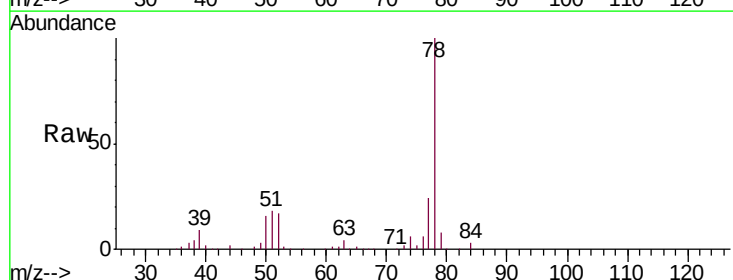
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

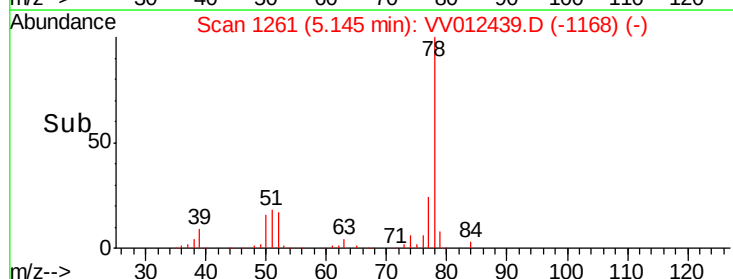
Tgt Ion: 78 Resp: 79289



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.14

5.14



78

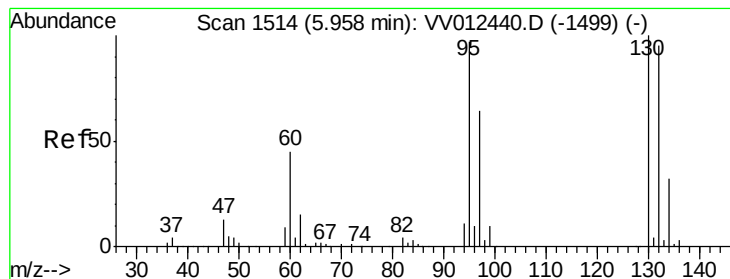
5.14

5.14

5.14

5.14

5.14



#34

Trichloroethene

Concen: 0.966 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

Tgt Ion: 95 Resp: 20097

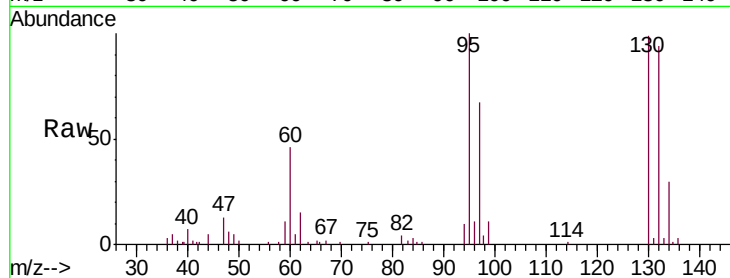
Ion Ratio Lower Upper

95 100

97 66.8 45.8 85.2

132 94.0 68.3 126.9

130 99.1 72.0 133.8

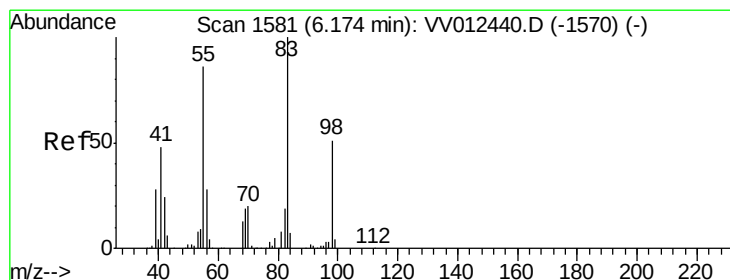
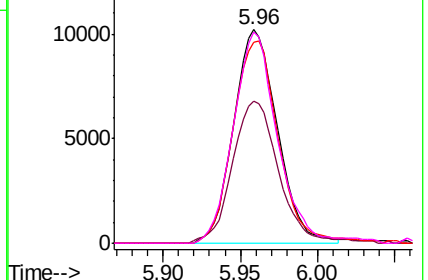
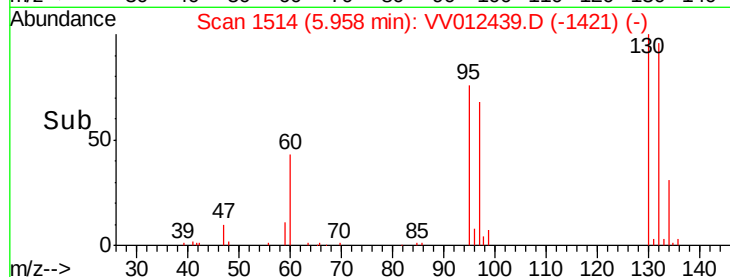


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.828 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

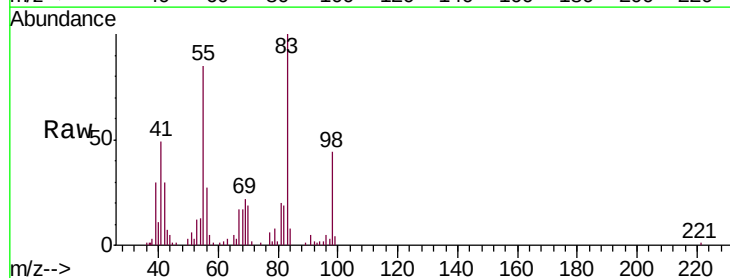
Tgt Ion: 83 Resp: 26390

Ion Ratio Lower Upper

83 100

55 89.1 67.8 101.6

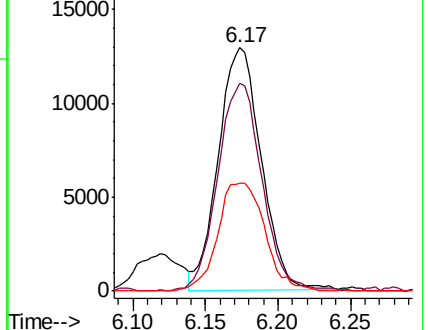
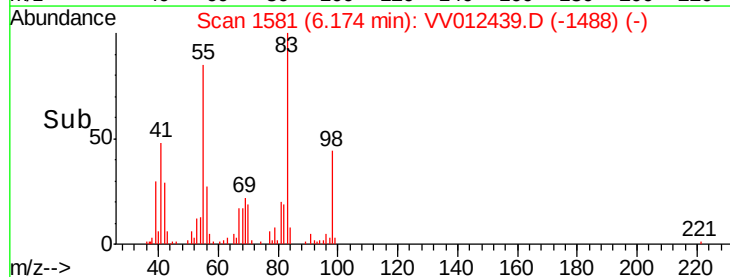
98 49.0 39.2 58.8

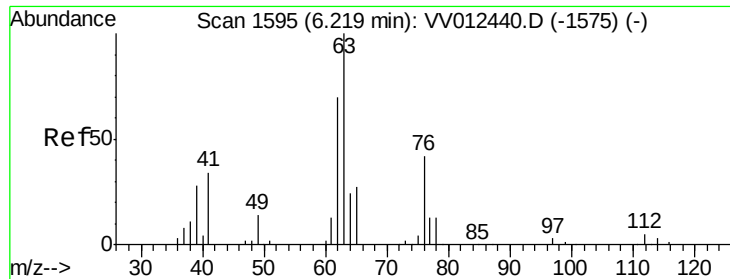


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

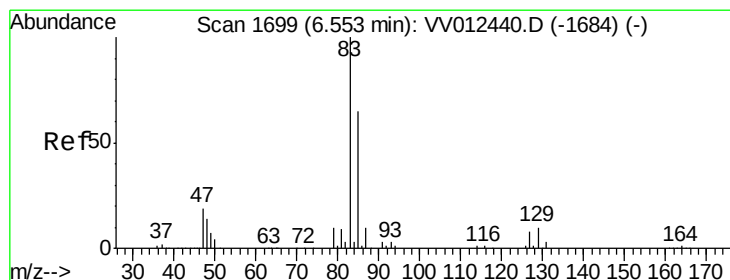
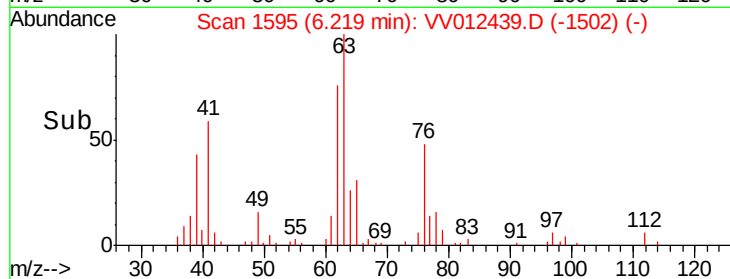
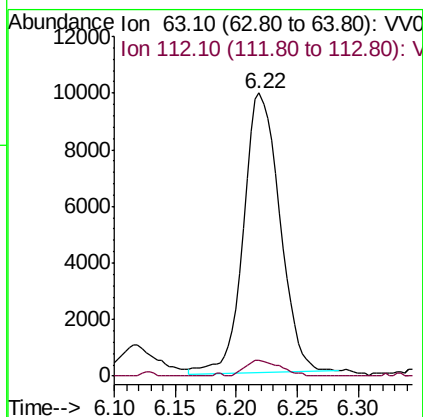
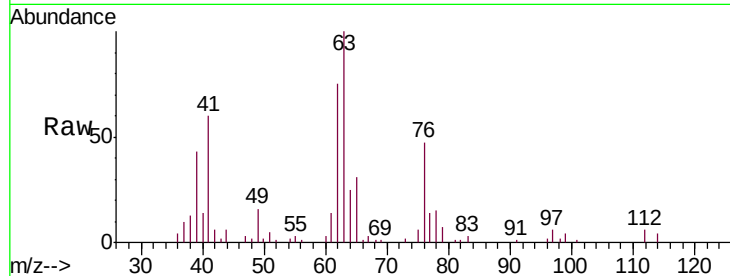




#37
 1,2-Dichloropropane
 Concen: 0.989 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

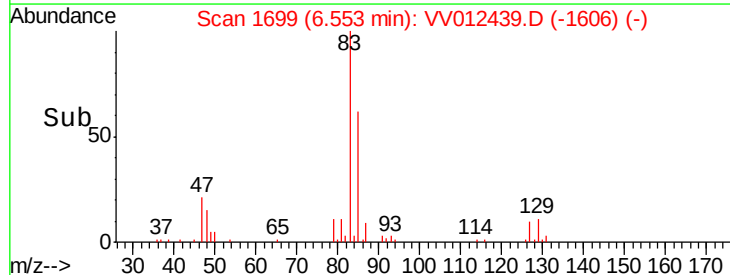
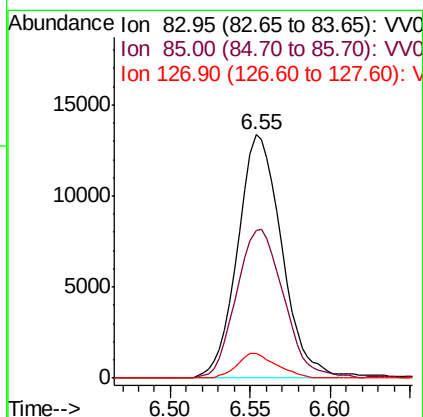
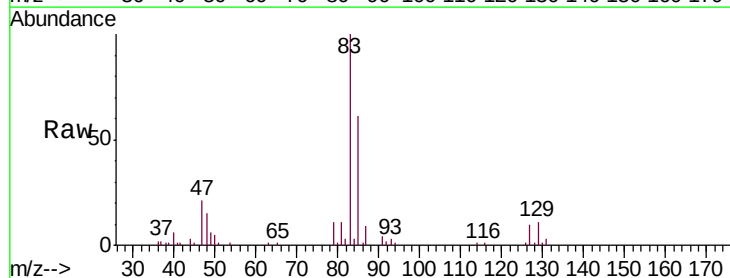
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

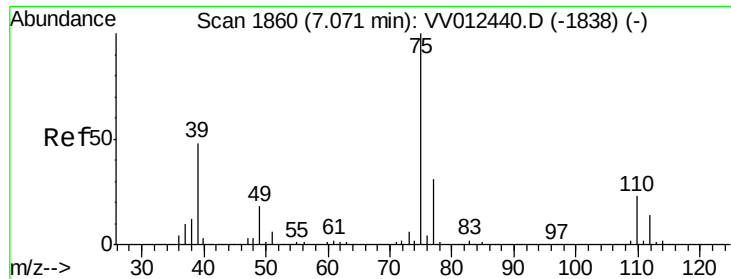
Tgt Ion: 63 Resp: 20244
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 0.953 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 83 Resp: 25046
 Ion Ratio Lower Upper
 83 100
 85 60.7 45.4 84.4
 127 10.3 6.4 9.6#

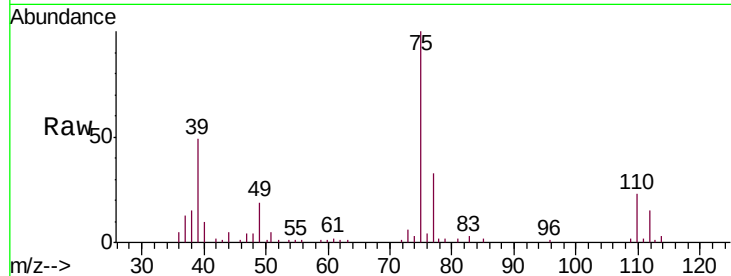




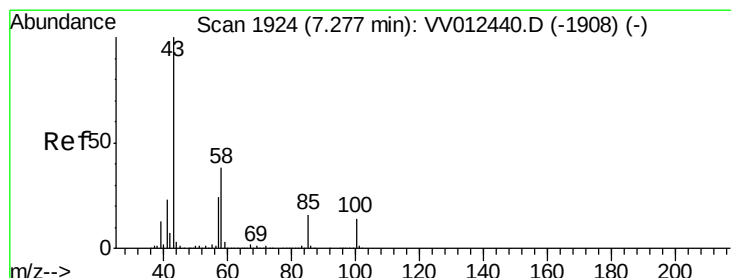
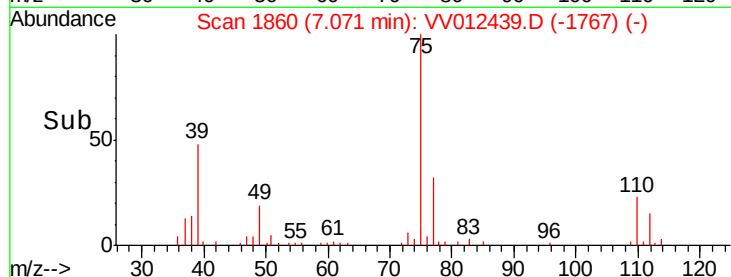
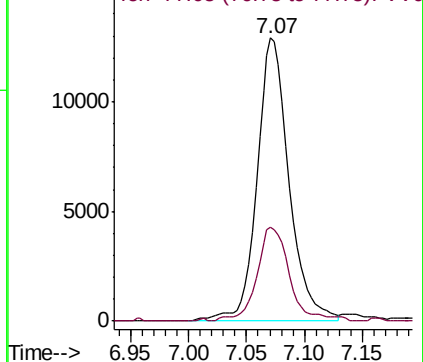
#39
 cis-1,3-Dichloropropene
 Concen: 0.920 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion: 75 Resp: 24877
 Ion Ratio Lower Upper
 75 100
 77 33.4 21.8 40.6

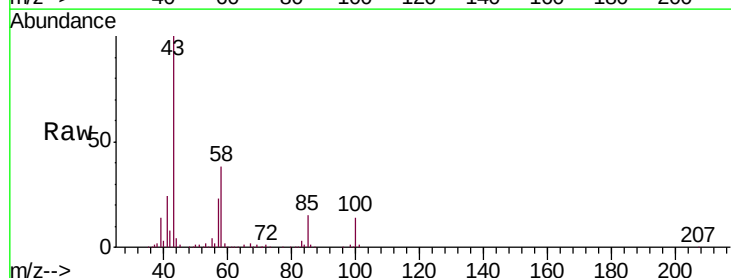


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

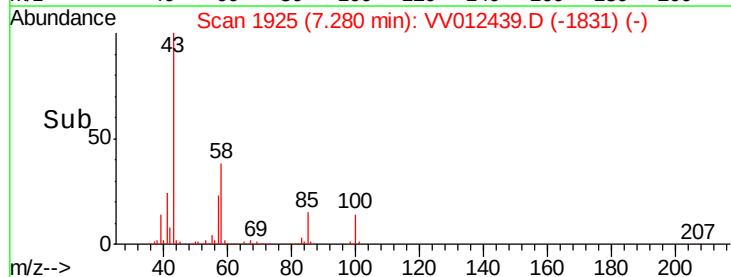
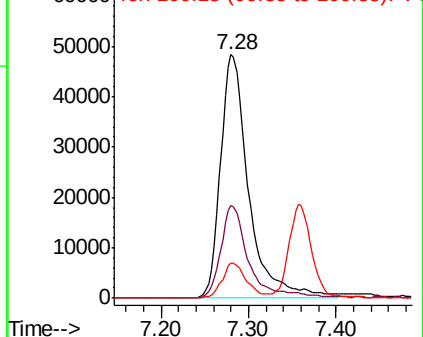


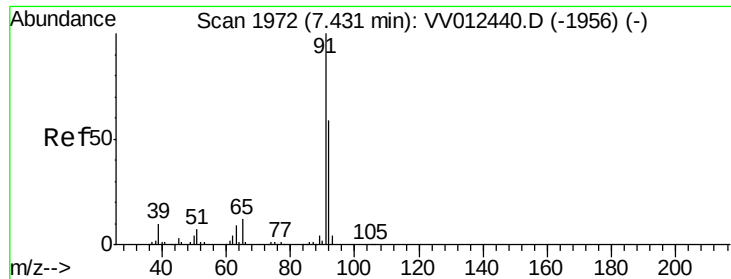
#40
 4-Methyl-2-pentanone
 Concen: 9.267 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 43 Resp: 108166
 Ion Ratio Lower Upper
 43 100
 58 37.6 29.7 44.5
 100 12.5 10.8 16.2



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





#42

Toluene

Concen: 0.947 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

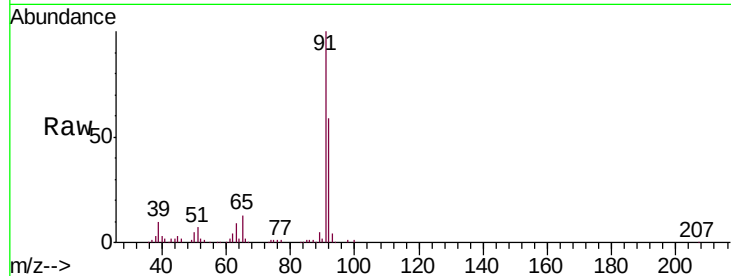
VSTD00136

Tgt Ion: 91 Resp: 78213

Ion Ratio Lower Upper

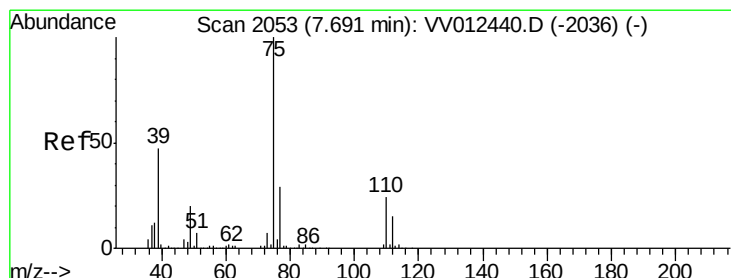
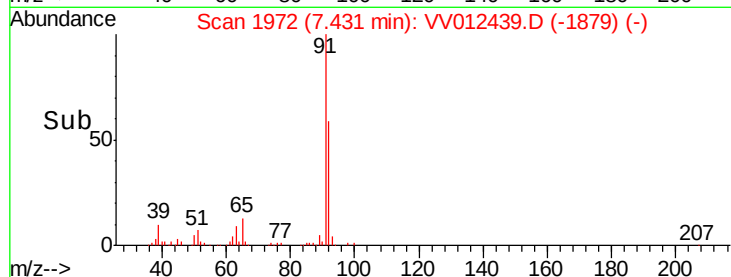
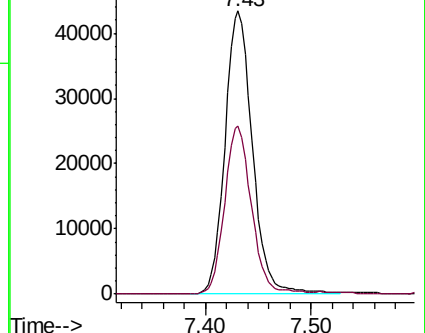
91 100

92 59.4 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV012440.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV012440.D (-1956) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.914 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV012439.D

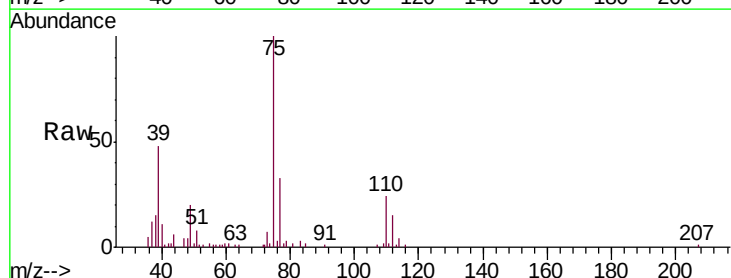
Acq: 29 Aug 2019 18:45

Tgt Ion: 75 Resp: 19241

Ion Ratio Lower Upper

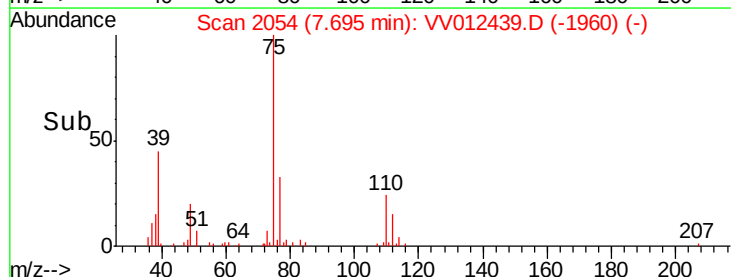
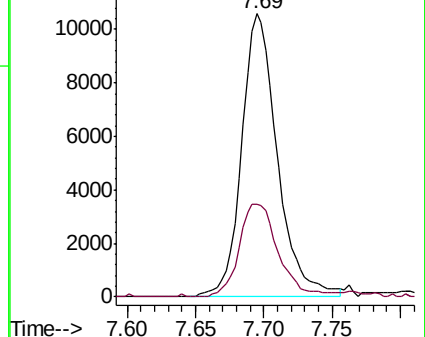
75 100

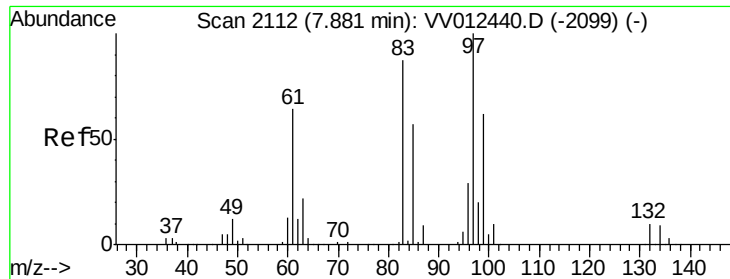
77 32.8 20.6 38.4



Abundance Ion 75.05 (74.75 to 75.75): VV012440.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV012440.D (-2036) (-)

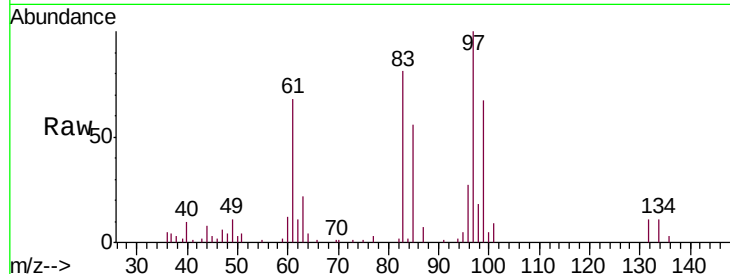




#45
 1,1,2-Trichloroethane
 Concen: 1.019 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion:	97	Resp:	13971
Ion	Ratio	Lower	Upper
97	100		
99	66.5	43.3	80.3
83	80.9	61.2	113.6
85	55.9	40.0	74.4



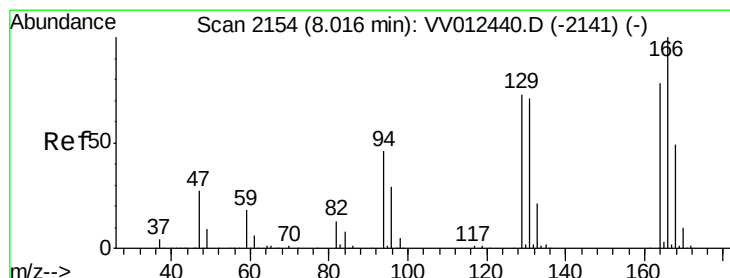
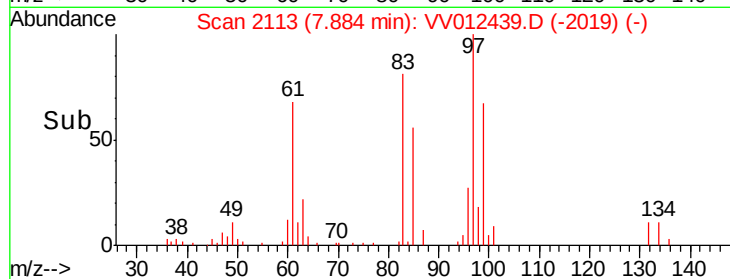
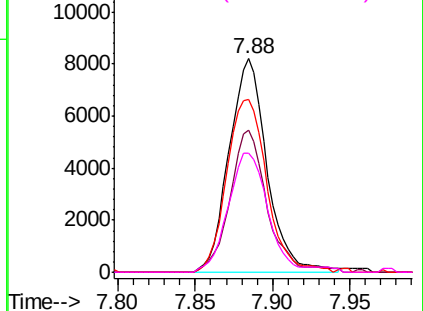
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

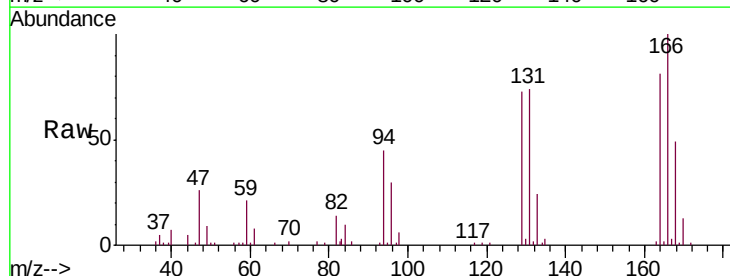
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.954 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion:	164	Resp:	16171
Ion	Ratio	Lower	Upper
164	100		
129	90.4	65.6	121.8
131	91.8	63.3	117.5
166	123.6	89.4	166.0



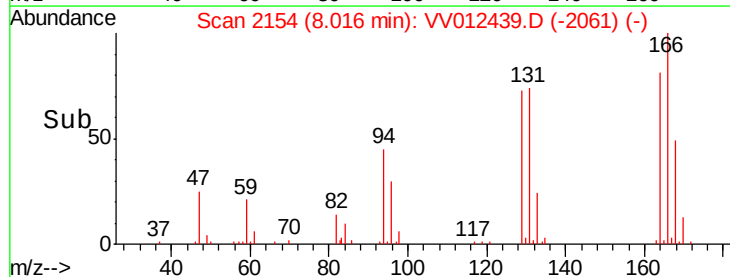
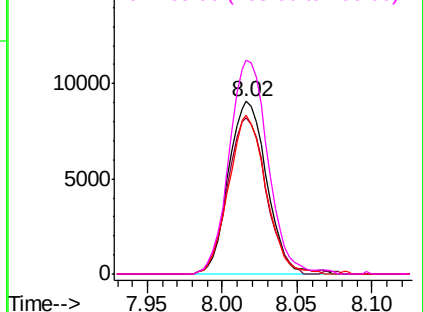
Abundance

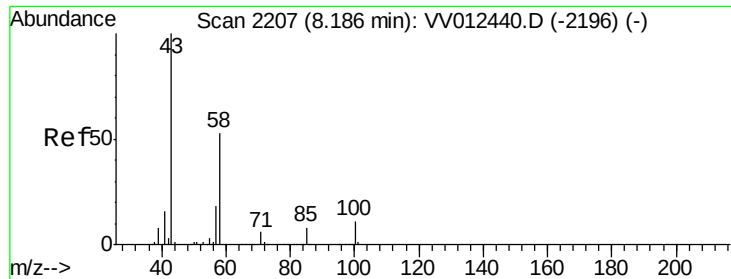
Ion 163.90 (163.60 to 164.60): V

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

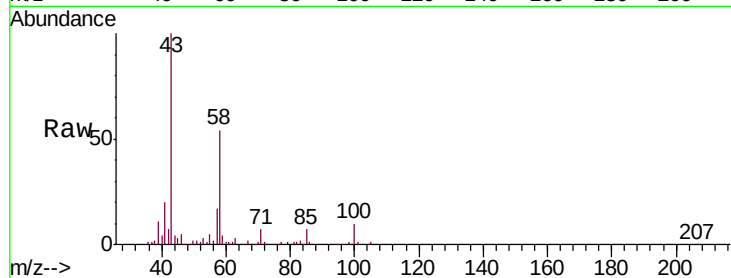




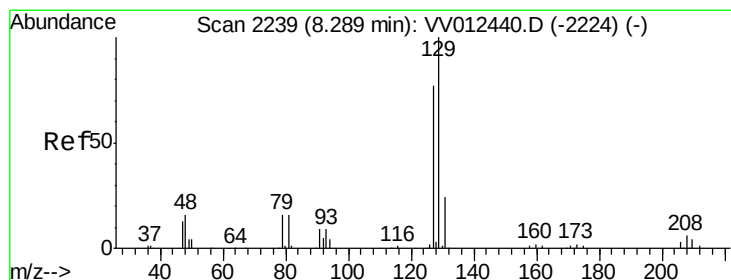
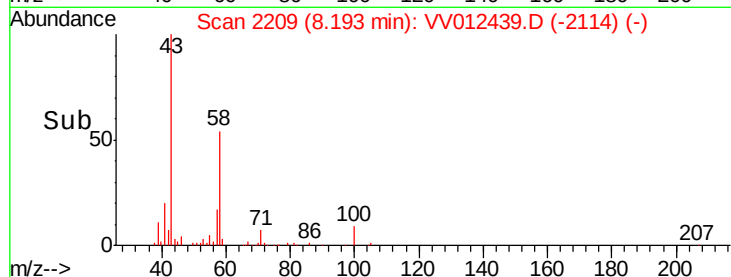
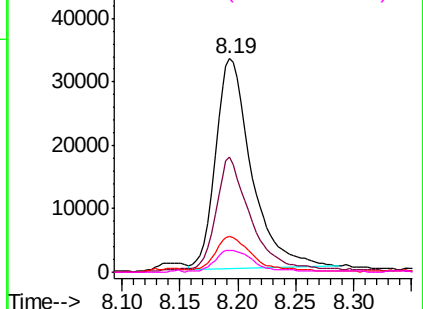
#48
 2-Hexanone
 Concen: 8.948 ug/L
 RT: 8.19 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion: 43 Resp: 71949
 Ion Ratio Lower Upper
 43 100
 58 55.2 43.6 65.4
 57 17.3 14.2 21.2
 100 11.6 8.9 13.3

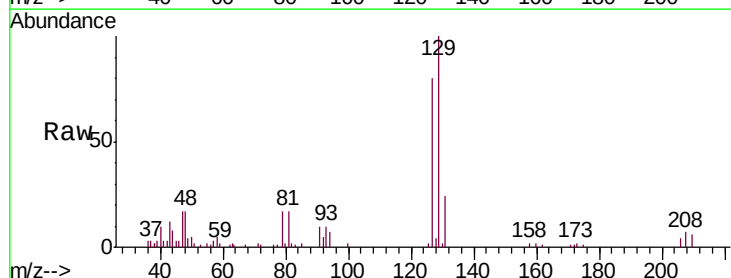


Abundance Ion 43.05 (42.75 to 43.75): VV012439.D (-2196) (-)
 Ion 58.05 (57.75 to 58.75): VV012439.D (-2196) (-)
 Ion 57.20 (56.90 to 57.90): VV012439.D (-2196) (-)
 Ion 100.15 (99.85 to 100.85): VV012439.D (-2196) (-)

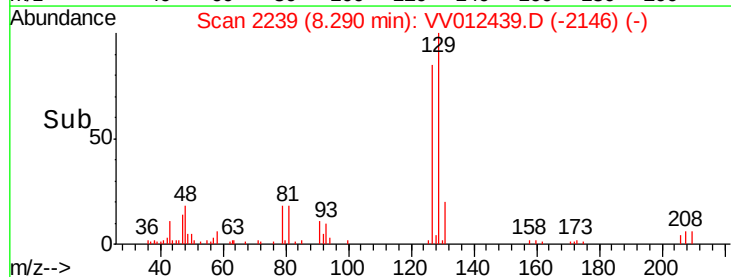
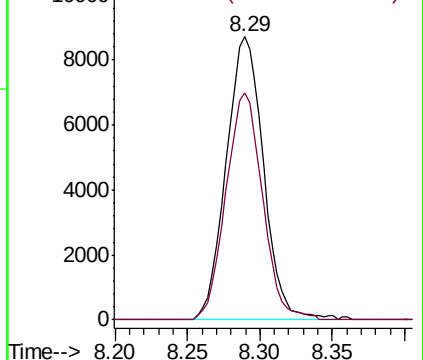


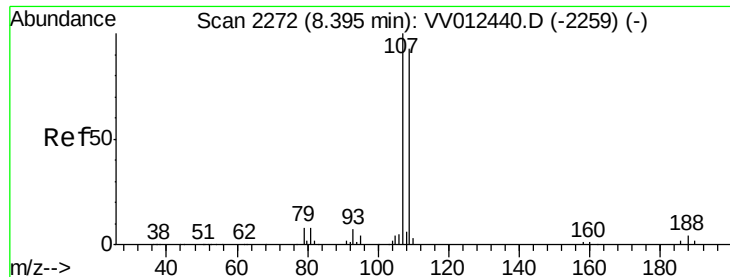
#49
 Dibromochloromethane
 Concen: 0.959 ug/L
 RT: 8.29 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 129 Resp: 15564
 Ion Ratio Lower Upper
 129 100
 127 80.4 53.6 99.6



Abundance Ion 128.95 (128.65 to 129.65): VV012439.D (-2146) (-)
 Ion 126.90 (126.60 to 127.60): VV012439.D (-2146) (-)





#50

1,2-Dibromoethane

Concen: 0.993 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

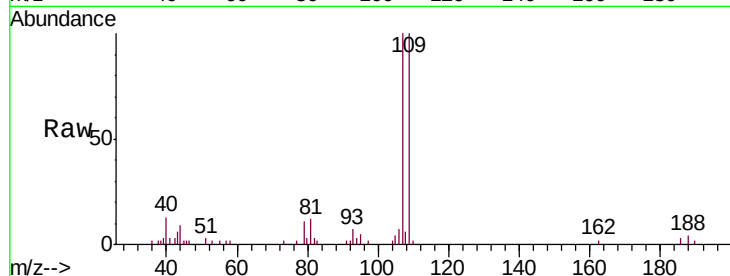
Tgt Ion:107 Resp: 12310

Ion Ratio Lower Upper

107 100

109 100.3 65.0 120.8

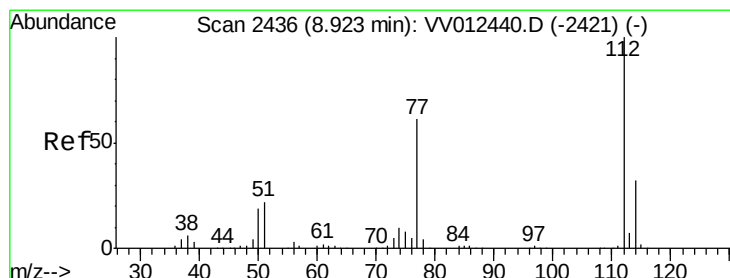
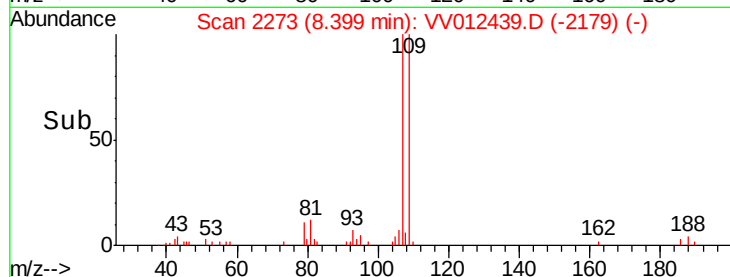
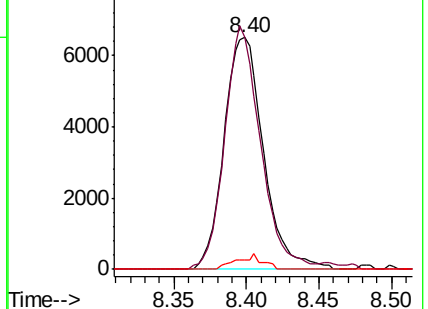
188 3.9 2.8 4.2



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.951 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

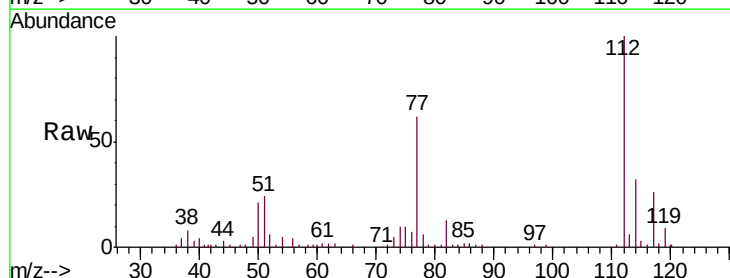
Tgt Ion:112 Resp: 50299

Ion Ratio Lower Upper

112 100

114 31.5 22.7 42.3

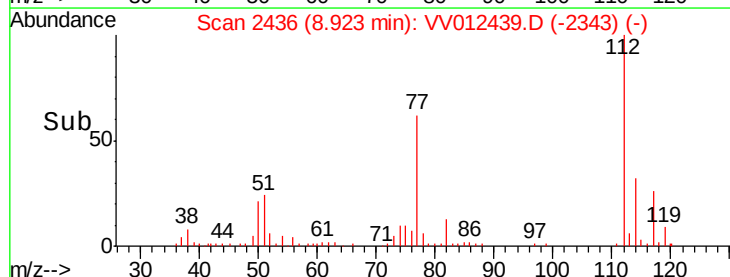
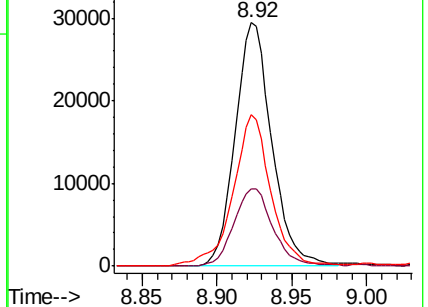
77 62.0 49.0 73.6

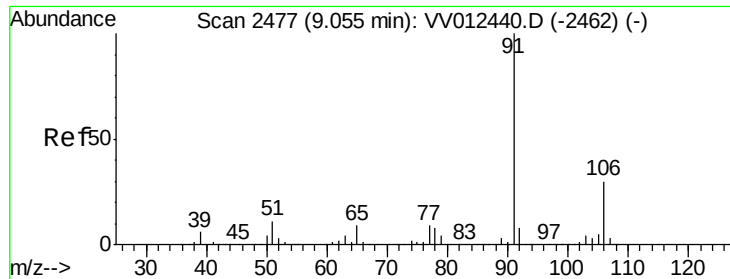


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.863 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

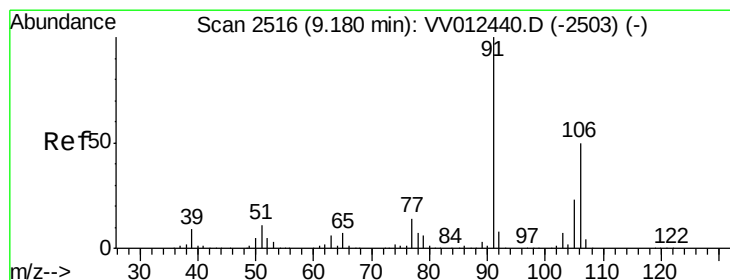
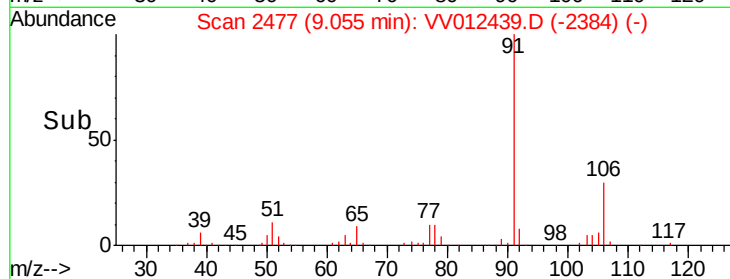
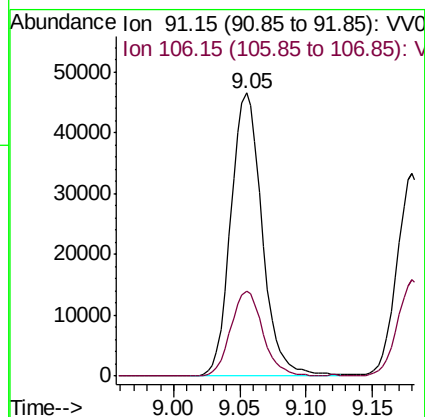
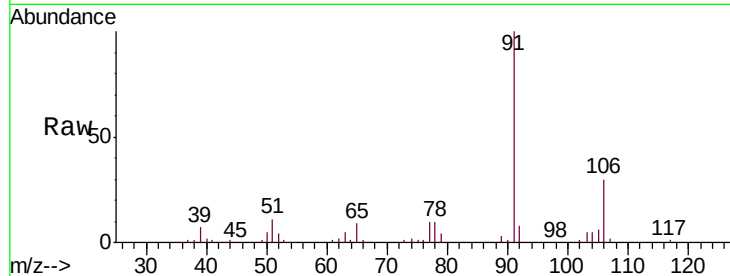
VSTD00136

Tgt Ion: 91 Resp: 76572

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



#53

m,p-xylene

Concen: 0.814 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012439.D

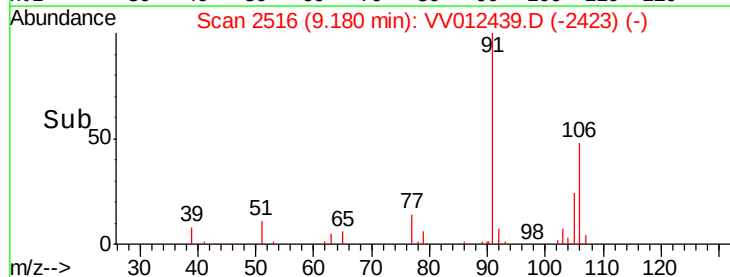
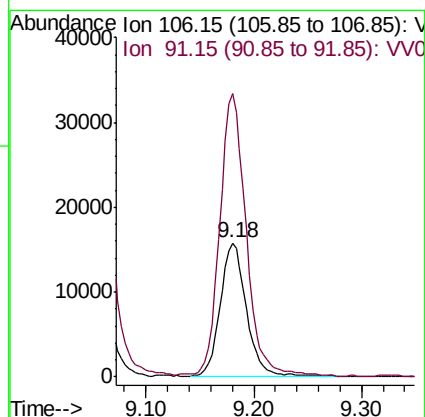
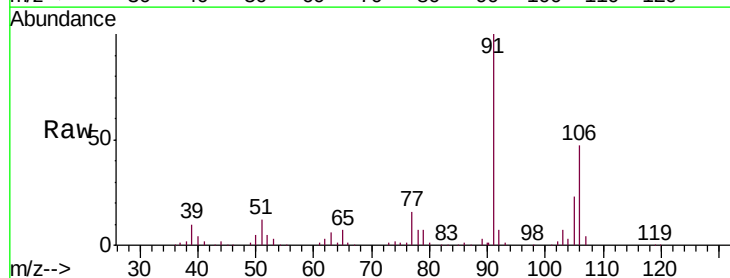
Acq: 29 Aug 2019 18:45

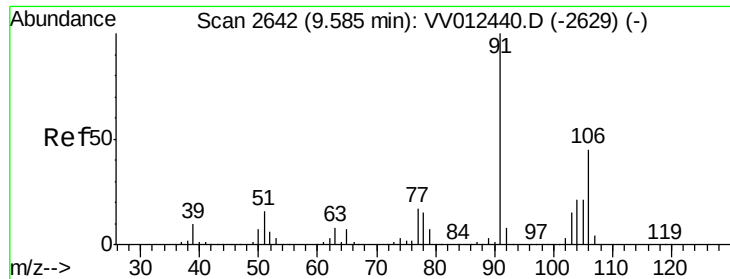
Tgt Ion: 106 Resp: 26900

Ion Ratio Lower Upper

106 100

91 211.0 141.3 262.3





#54

o-xylene

Concen: 0.833 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

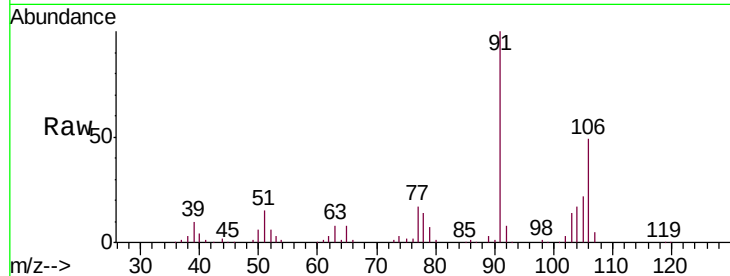
VSTD00136

Tgt Ion:106 Resp: 26429

Ion Ratio Lower Upper

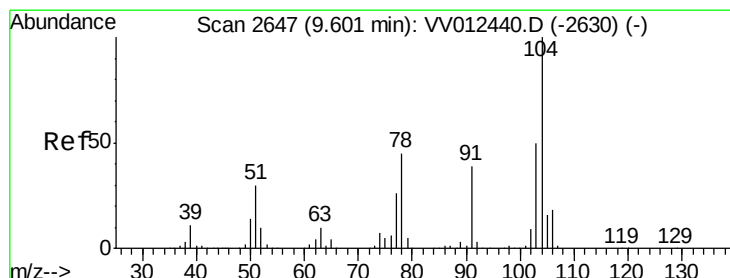
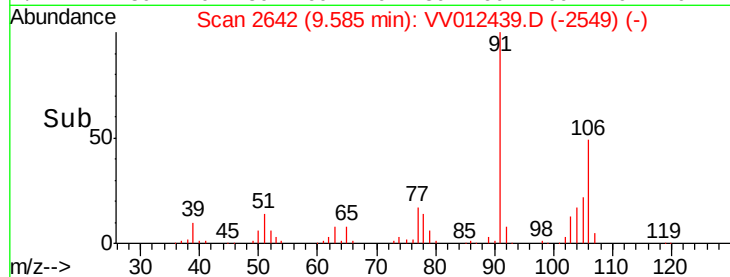
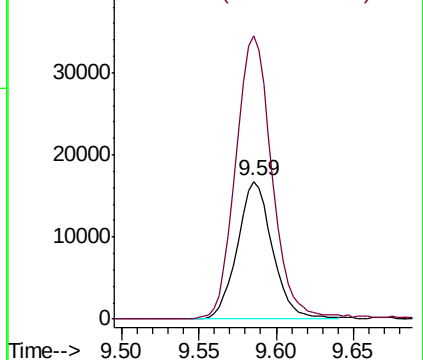
106 100

91 205.8 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.789 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012439.D

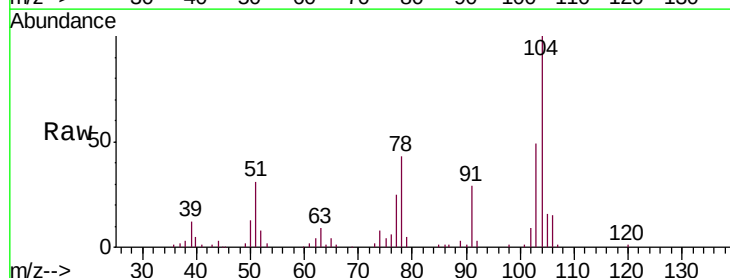
Acq: 29 Aug 2019 18:45

Tgt Ion:104 Resp: 42073

Ion Ratio Lower Upper

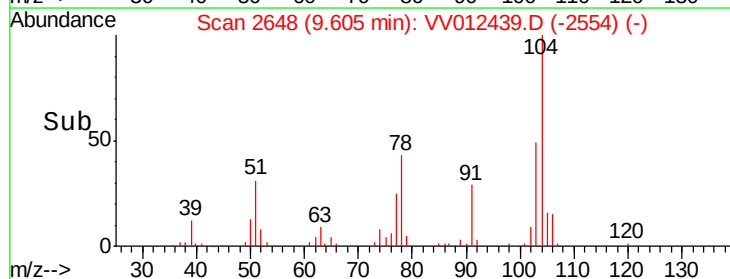
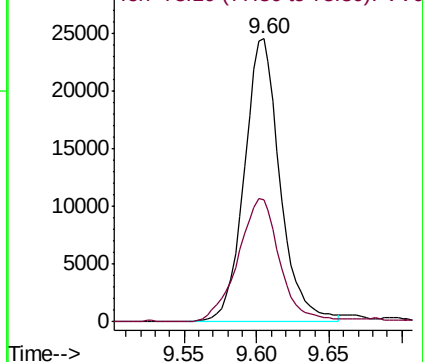
104 100

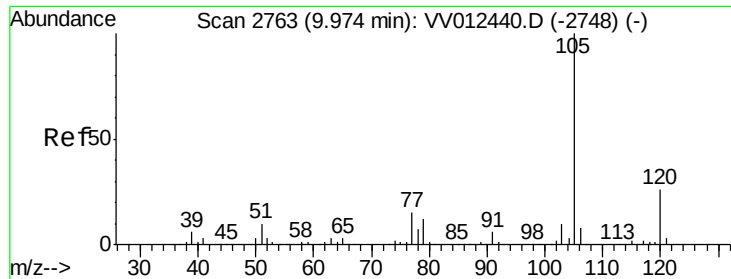
78 43.3 31.8 59.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.811 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampled :

VSTD00136

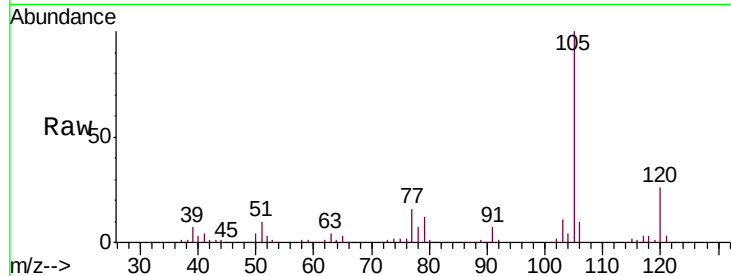
Tgt Ion:105 Resp: 68543

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

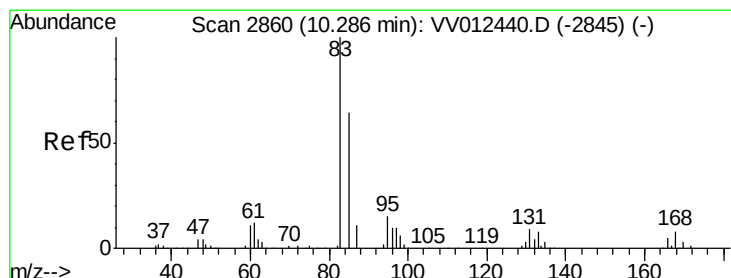
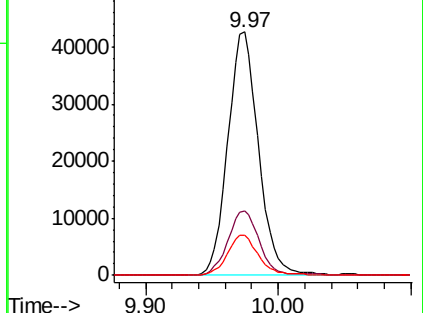
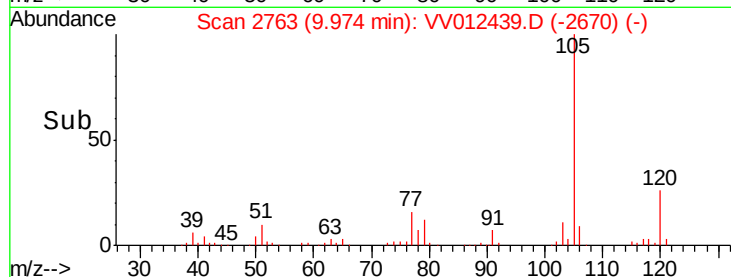
77 16.8 12.7 19.1



Abundance Ion 105.05 (104.75 to 105.75): VV012439.D (-2670) (-)

Ion 120.10 (119.80 to 120.80): VV012439.D (-2670) (-)

Ion 77.10 (76.80 to 77.80): VV012439.D (-2670) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 1.029 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

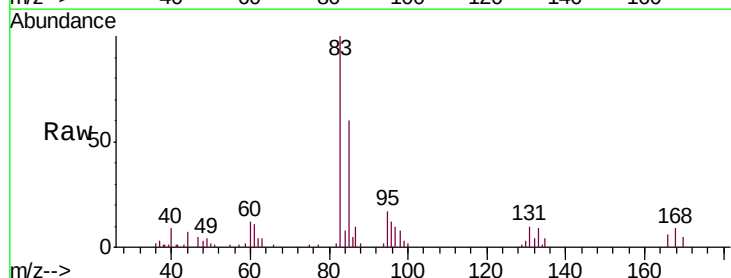
Tgt Ion: 83 Resp: 16810

Ion Ratio Lower Upper

83 100

85 60.4 45.0 83.6

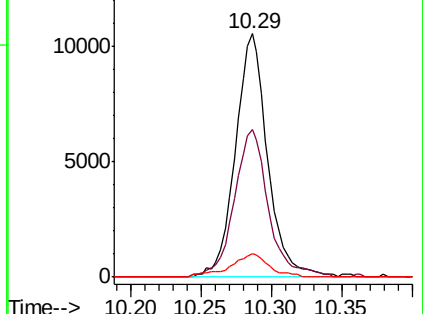
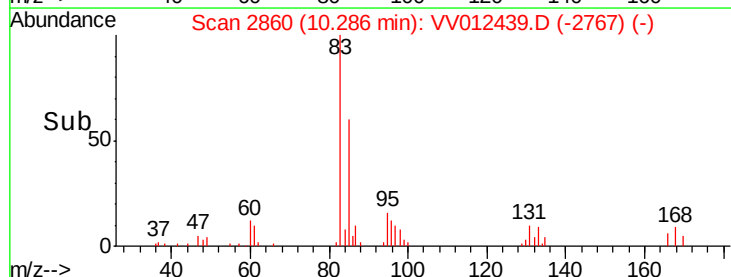
131 9.5 7.4 11.2

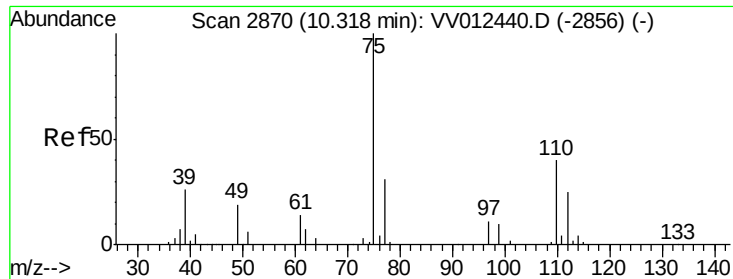


Abundance Ion 82.95 (82.65 to 83.65): VV012439.D (-2767) (-)

Ion 85.00 (84.70 to 85.70): VV012439.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV012439.D (-2767) (-)

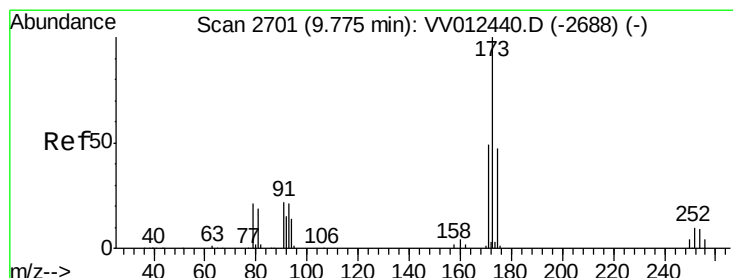
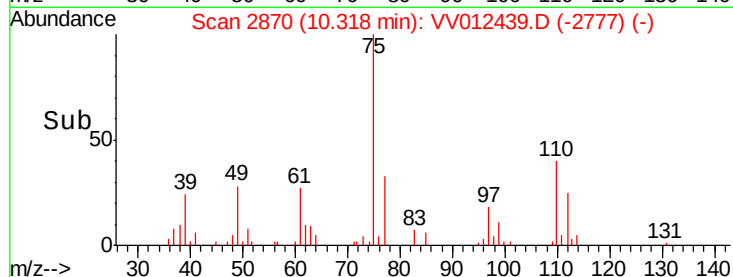
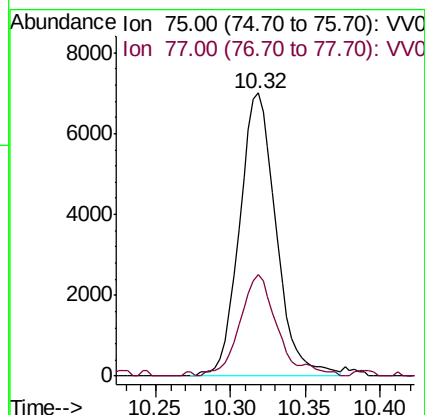
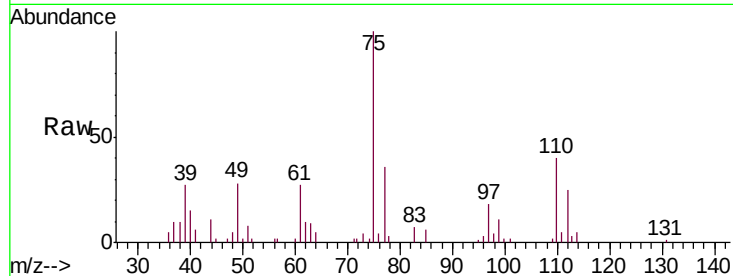




#59
 1,2,3-Trichloropropane
 Concen: 1.027 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

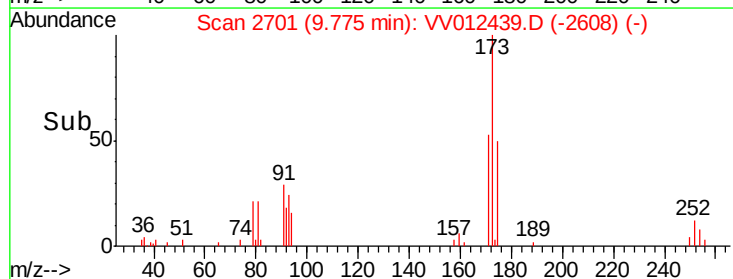
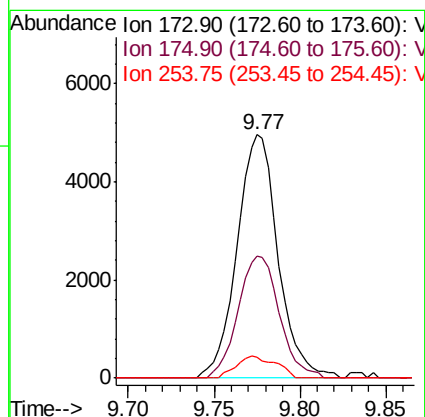
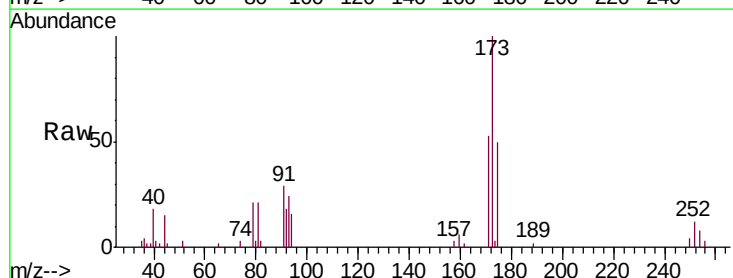
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

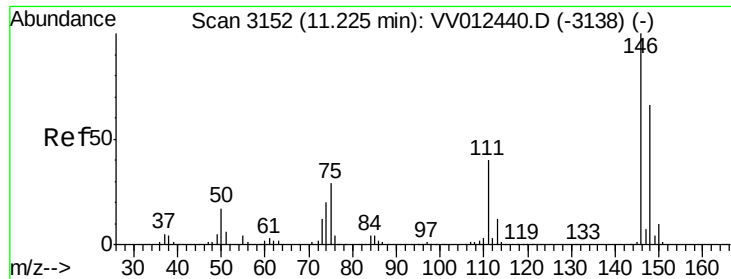
Tgt Ion: 75 Resp: 11955
 Ion Ratio Lower Upper
 75 100
 77 36.8 25.2 37.8



#61
 Bromoform
 Concen: 1.007 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 173 Resp: 8231
 Ion Ratio Lower Upper
 173 100
 175 50.4 39.0 58.6
 254 8.7 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 0.947 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

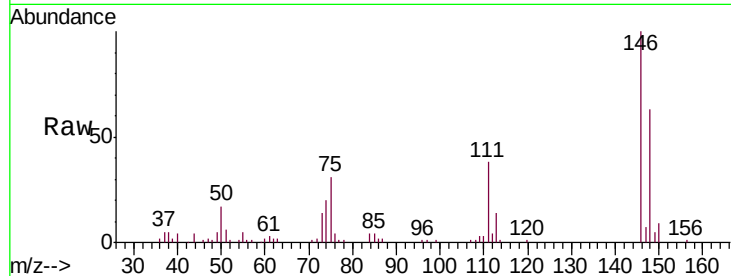
Tgt Ion:146 Resp: 34944

Ion Ratio Lower Upper

146 100

111 37.6 27.6 51.4

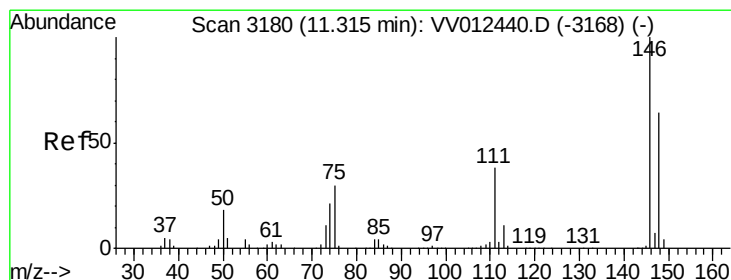
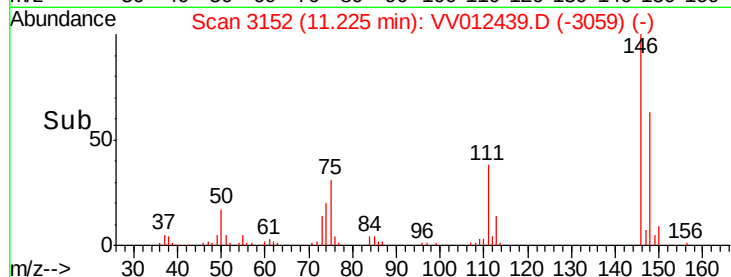
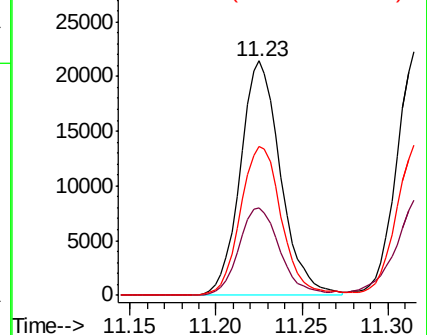
148 63.4 45.8 85.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.006 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

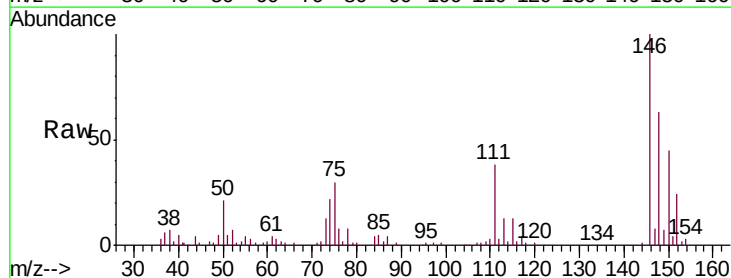
Tgt Ion:146 Resp: 37131

Ion Ratio Lower Upper

146 100

111 37.7 26.8 49.8

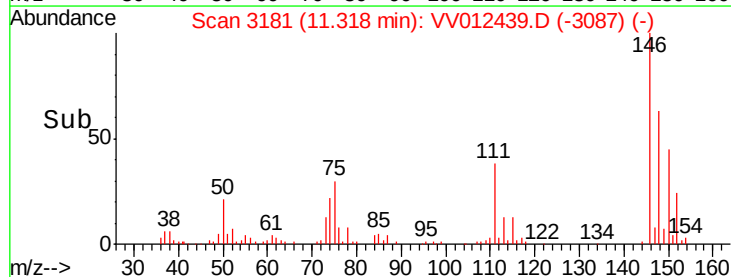
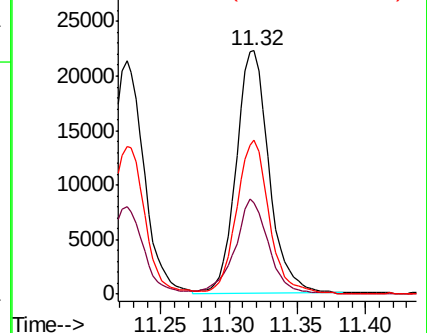
148 63.1 44.5 82.7

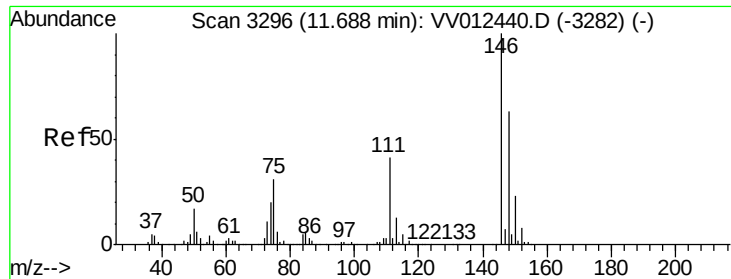


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

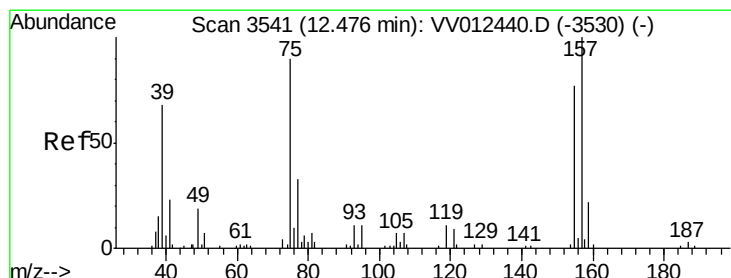
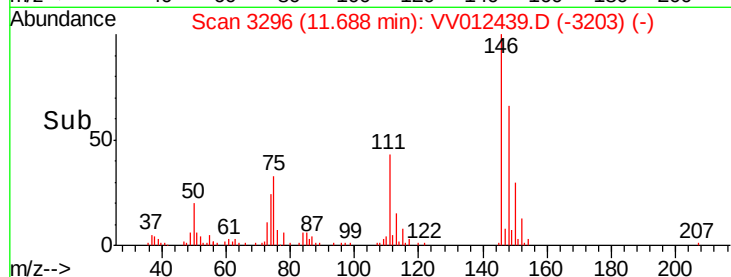
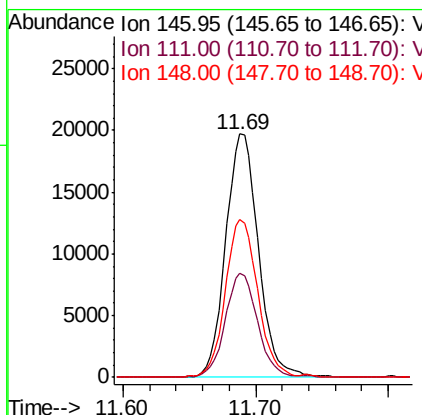
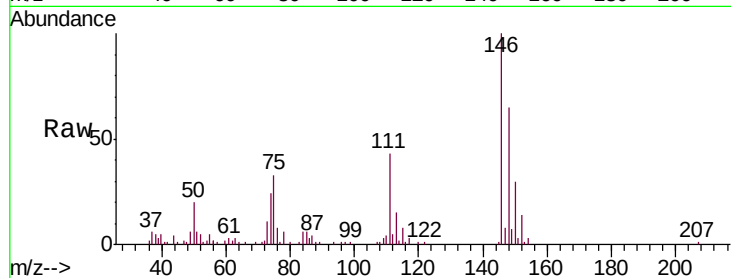




#65
 1,2-Dichlorobenzene
 Concen: 0.982 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

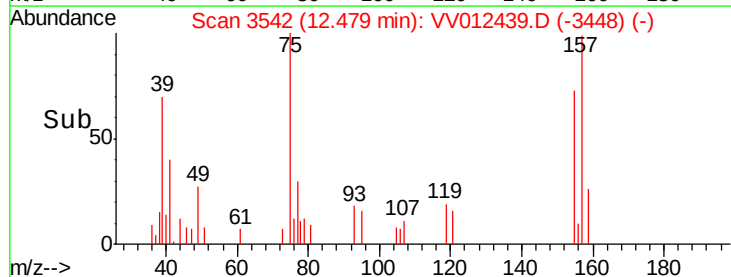
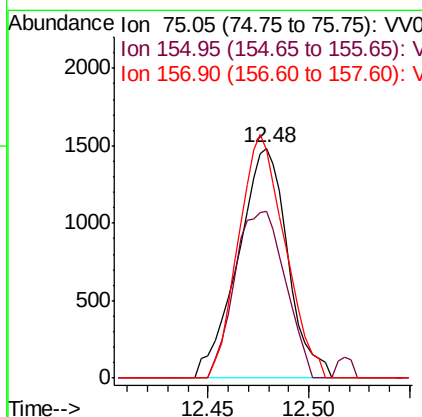
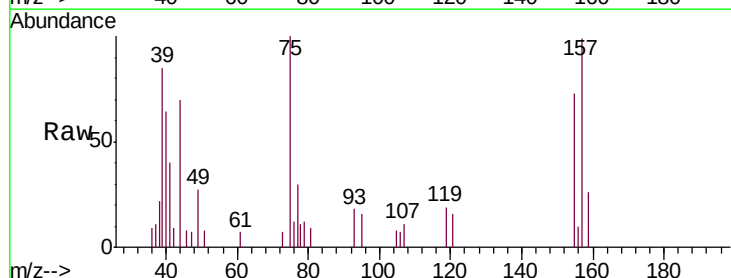
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

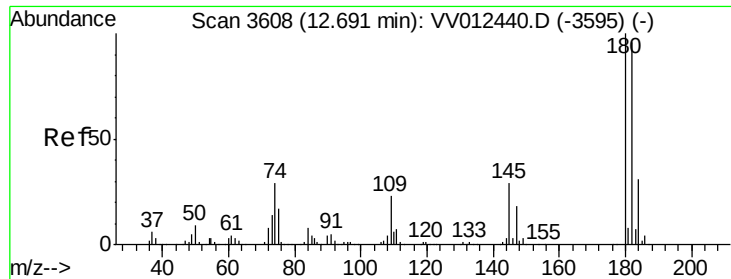
Tgt Ion: 146 Resp: 33839
 Ion Ratio Lower Upper
 146 100
 111 43.0 32.5 48.7
 148 65.1 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.065 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion: 75 Resp: 2558
 Ion Ratio Lower Upper
 75 100
 155 72.7 68.6 102.8
 157 99.5 88.6 133.0

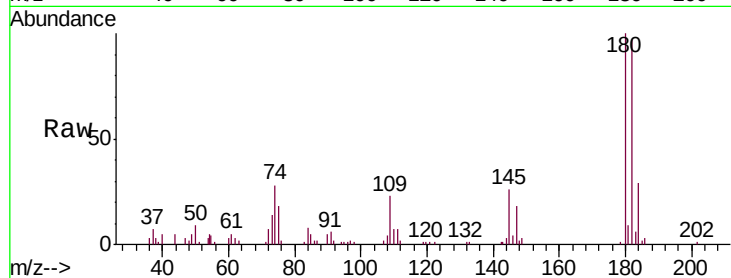




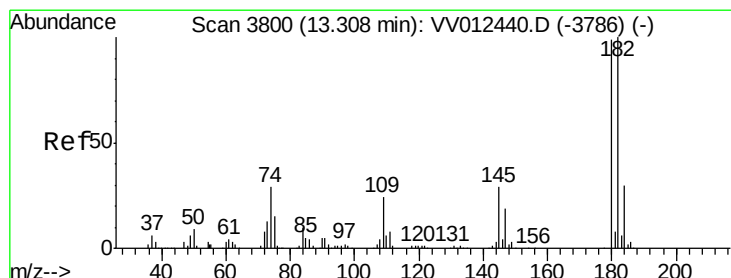
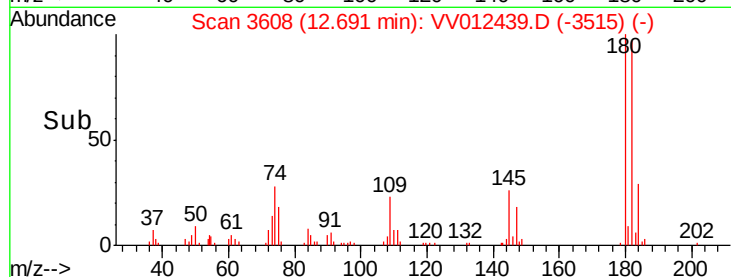
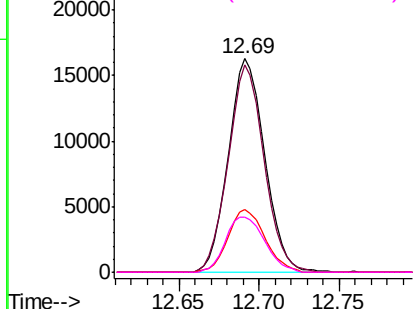
#67
 1,3,5-Trichlorobenzene
 Concen: 0.891 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion:180 Resp: 25220
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.6 115.0
 184 29.9 24.8 37.2
 145 28.0 22.8 34.2

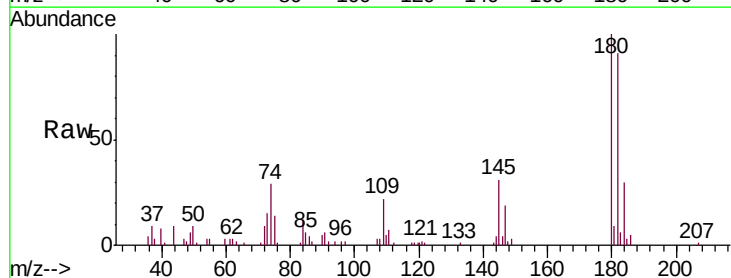


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

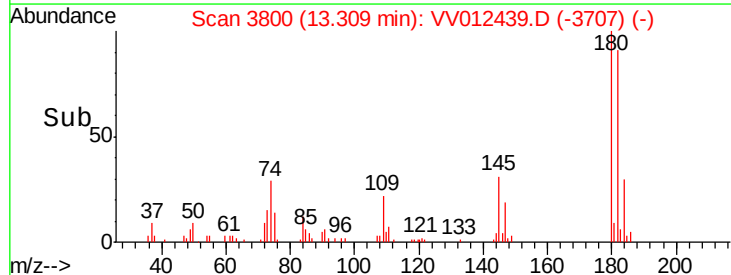
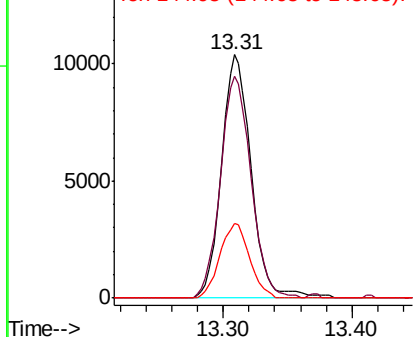


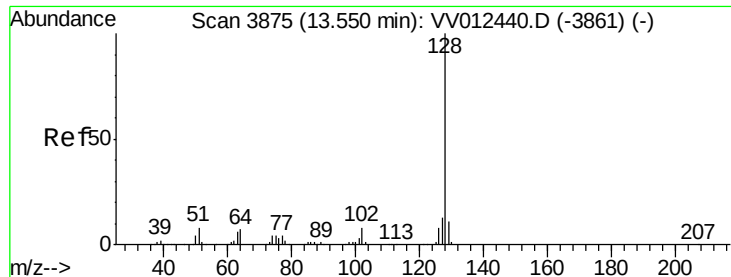
#68
 1,2,4-trichlorobenzene
 Concen: 0.757 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012439.D
 Acq: 29 Aug 2019 18:45

Tgt Ion:180 Resp: 16555
 Ion Ratio Lower Upper
 180 100
 182 93.9 78.1 117.1
 145 30.6 23.4 35.0



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: 0.608 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

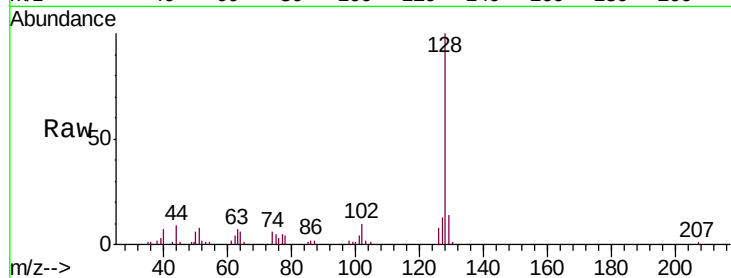
Tgt Ion:128 Resp: 20458

Ion Ratio Lower Upper

128 100

129 11.7 8.6 13.0

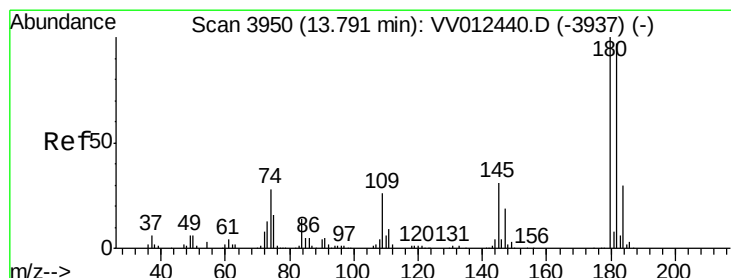
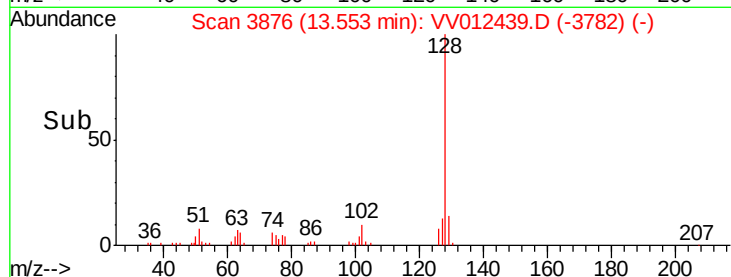
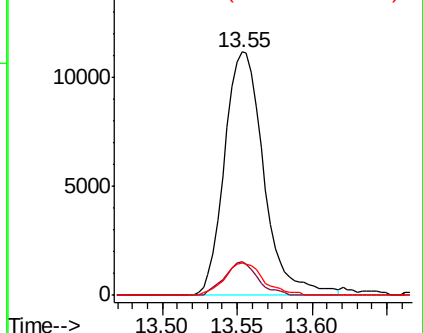
127 13.1 10.7 16.1



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: 0.778 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012439.D

Acq: 29 Aug 2019 18:45

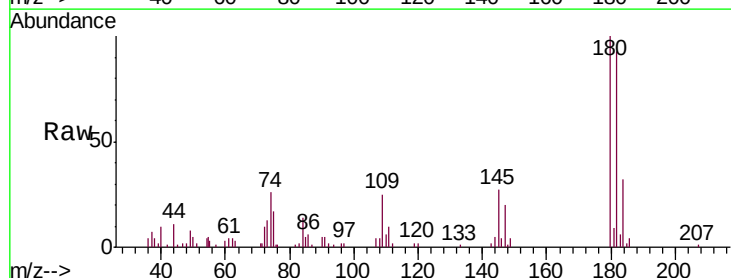
Tgt Ion:180 Resp: 16396

Ion Ratio Lower Upper

180 100

182 94.4 77.5 116.3

145 29.0 25.0 37.6



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

