

Data File : VV014711.D
Acq On : 28 Feb 2020 16:10
Operator : SY/MD
Sample : VSTD00133
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

Quant Time: Feb 28 22:40:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR022820WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Feb 28 22:38:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	272066	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	258332	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	132001	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20484	1.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	15507	1.27	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	35040	1.36	ug/L	0.00
20) 2-Butanone-d5	4.00	46	35893	10.29	ug/L	0.02
24) Chloroform-d	4.40	84	35434	1.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	17079	1.08	ug/L	0.00
32) Benzene-d6	5.10	84	71723	0.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	21587	0.96	ug/L	0.00
41) Toluene-d8	7.36	98	64661	0.95	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8140	0.89	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	32022	9.43	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.25	84	15253	0.99	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	22700	0.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	28469	1.209 ug/L	99
3) Chloromethane	1.25	50	26561	1.385 ug/L	99
5) Vinyl chloride	1.32	62	24098	1.283 ug/L	94
6) Bromomethane	1.54	94	13510	1.806 ug/L	99
8) Chloroethane	1.60	64	12982	1.349 ug/L	92
9) Trichlorofluoromethane	1.77	101	33034	1.344 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	16775	1.262 ug/L	98
12) 1,1-Dichloroethene	2.14	96	15886	1.287 ug/L	92
13) Acetone	2.25	43	15582	6.912 ug/L	73
14) Carbon disulfide	2.32	76	53088	0.942 ug/L	99
15) Methyl Acetate	2.49	43	6305	1.143 ug/L #	84
16) Methylene chloride	2.54	84	20354	0.941 ug/L	95
17) Methyl tert-butyl Ether	2.81	73	41905	1.010 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	19752	1.018 ug/L	96
19) 1,1-Dichloroethane	3.23	63	37993	1.060 ug/L	97
21) 2-Butanone	4.08	43	39170	10.088 ug/L #	59
22) cis-1,2-Dichloroethene	3.96	96	21351	1.021 ug/L	94
23) Bromochloromethane	4.30	128	8342	1.052 ug/L	91
25) Chloroform	4.42	83	37530	1.049 ug/L	100
27) 1,2-Dichloroethane	5.18	62	23133	1.166 ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	32811	1.049 ug/L	97
30) Cyclohexane	4.72	56	35748	0.994 ug/L	99
31) Carbon tetrachloride	4.87	117	26944	1.006 ug/L	96
33) Benzene	5.14	78	80546	0.984 ug/L	100
34) Trichloroethene	5.96	95	21042	0.985 ug/L	98
35) Methylcyclohexane	6.17	83	35618	0.963 ug/L	97
37) 1,2-Dichloropropane	6.22	63	19744	0.966 ug/L #	95
38) Bromodichloromethane	6.55	83	24979	1.005 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	28607	0.942 ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	116604	10.184 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	83807	0.960	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	21441	0.924	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	13358	1.014	ug/L	94
47) Tetrachloroethene	8.02	164	17340	1.098	ug/L	91
48) 2-Hexanone	8.19	43	84371	10.523	ug/L	100
49) Dibromochloromethane	8.29	129	14073	0.902	ug/L	90
50) 1,2-Dibromoethane	8.39	107	12700	1.037	ug/L	96
51) Chlorobenzene	8.92	112	53294	0.983	ug/L	98
52) Ethylbenzene	9.05	91	93902	0.958	ug/L	98
53) m,p-xylene	9.18	106	33330	0.917	ug/L	94
54) o-xylene	9.58	106	33252	0.937	ug/L	99
55) Styrene	9.60	104	53502	0.911	ug/L	95
56) Isopropylbenzene	9.97	105	88435	0.943	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	16669	1.073	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	11744	1.029	ug/L	95
61) Bromoform	9.77	173	6724	0.844	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	42625	0.979	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	43238	0.997	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	38940	0.991	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	2499	0.829	ug/L #	75
67) 1,3,5-Trichlorobenzene	12.68	180	34456	1.046	ug/L	97
68) 1,2,4-trichlorobenzene	13.30	180	28553	1.035	ug/L	99
69) Naphthalene	13.55	128	44723	0.933	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	25792	1.071	ug/L	97

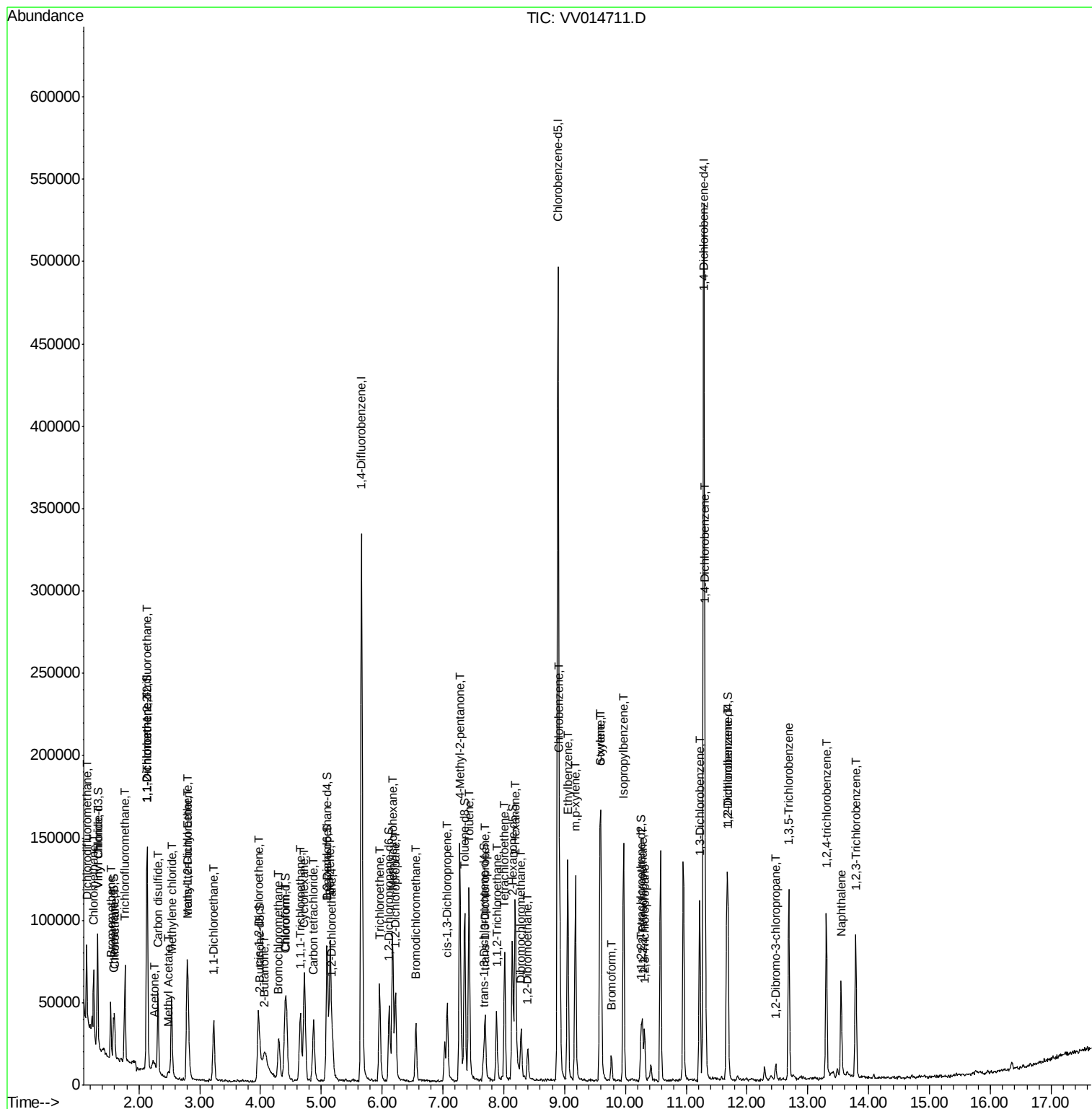
(#) = qualifier out of range (m) = manual integration (+) = signals summed

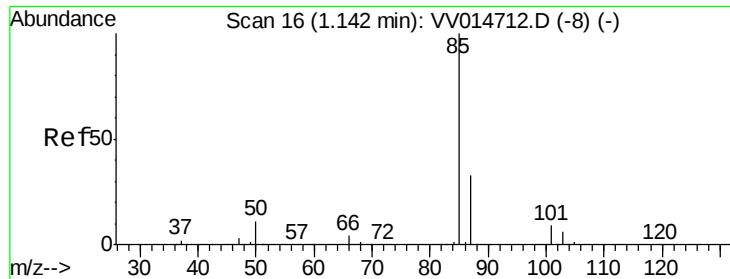
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#2

Dichlorodifluoromethane

Concen: 1.209 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

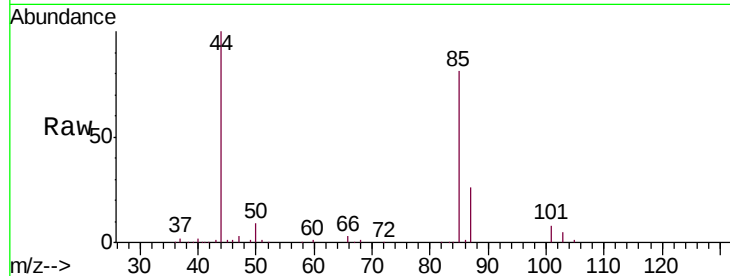
VSTD00133

Tgt Ion: 85 Resp: 28469

Ion Ratio Lower Upper

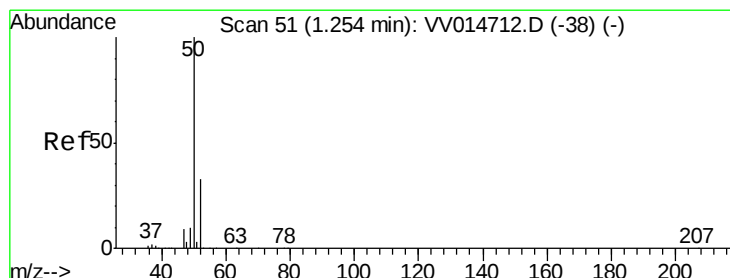
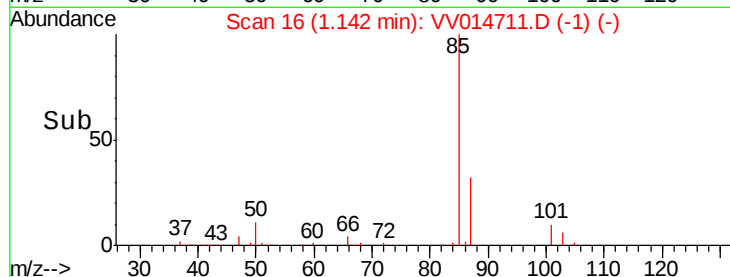
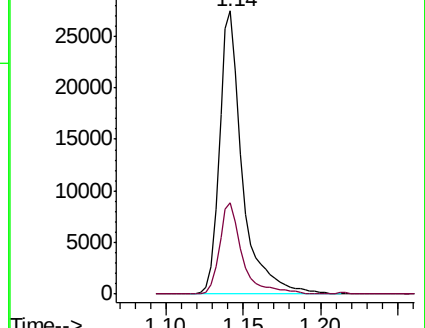
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV014712.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014711.D (-1) (-)



#3

Chloromethane

Concen: 1.385 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV014711.D

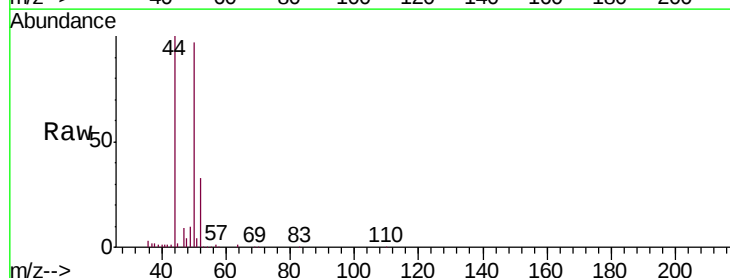
Acq: 28 Feb 2020 16:10

Tgt Ion: 50 Resp: 26561

Ion Ratio Lower Upper

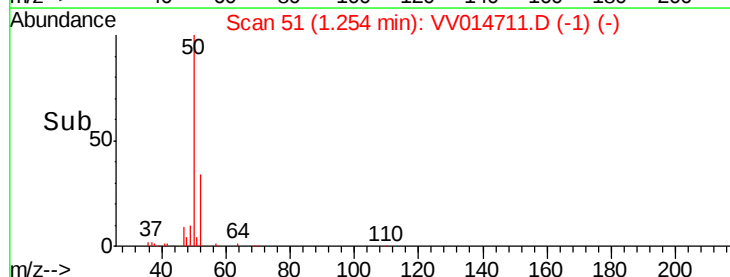
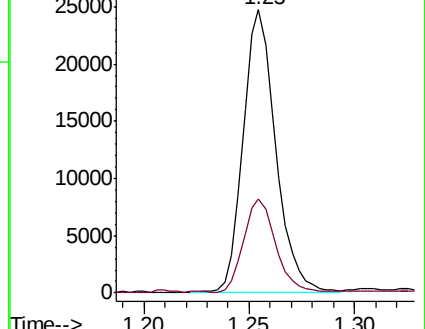
50 100

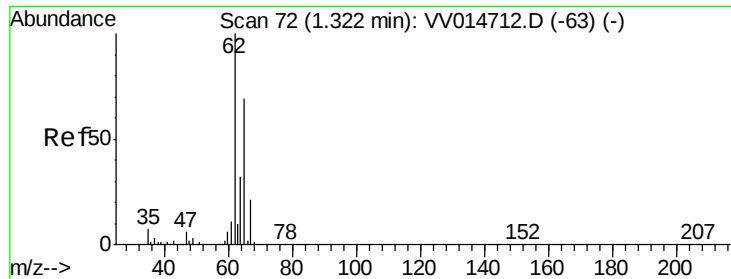
52 33.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV014712.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV014711.D (-1) (-)





#5

Vinyl chloride

Concen: 1.283 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampled :

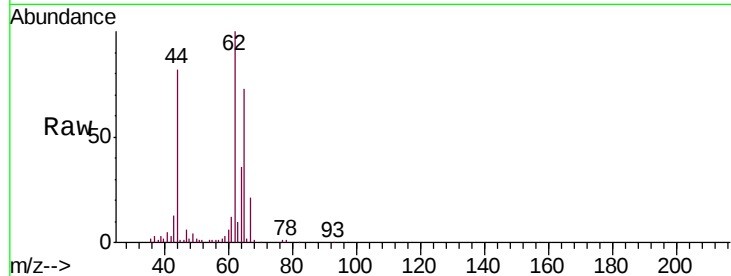
VSTD00133

Tgt Ion: 62 Resp: 24098

Ion Ratio Lower Upper

62 100

64 35.6 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV014711.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV014711.D (-63) (-)

1.32

25000

20000

15000

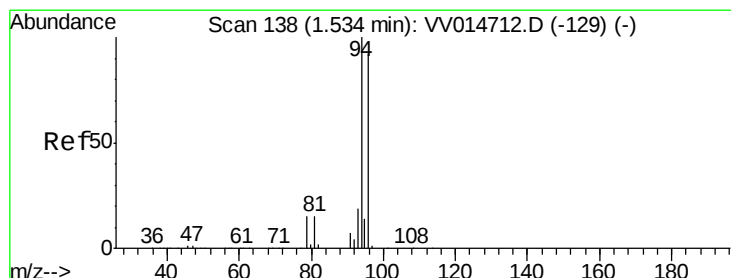
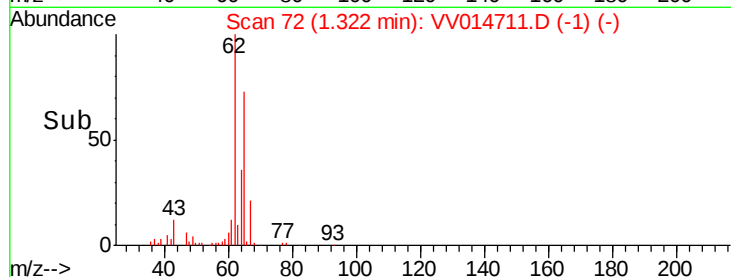
10000

5000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 1.806 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014711.D

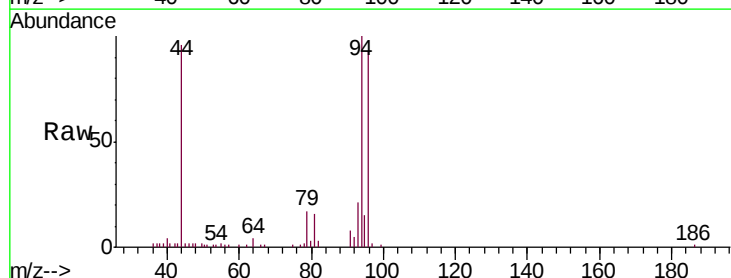
Acq: 28 Feb 2020 16:10

Tgt Ion: 94 Resp: 13510

Ion Ratio Lower Upper

94 100

96 93.3 64.3 119.5



Abundance Ion 94.00 (93.70 to 94.70): VV014711.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV014711.D (-129) (-)

1.54

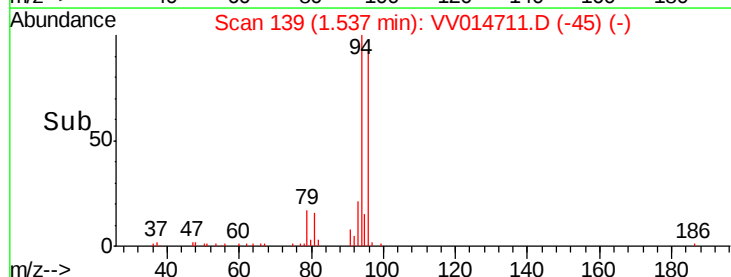
10000

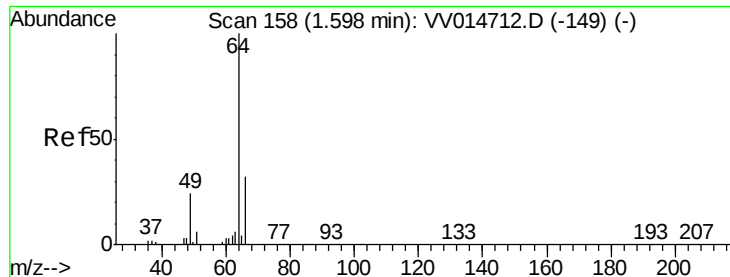
5000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 1.349 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

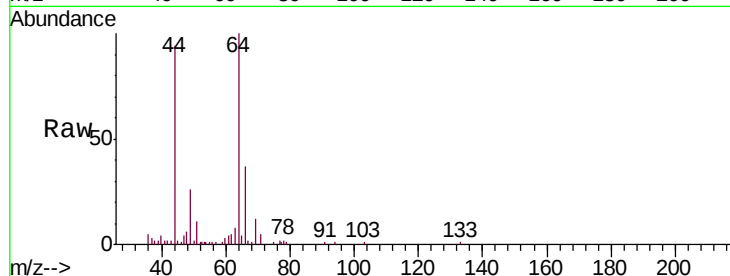
VSTD00133

Tgt Ion: 64 Resp: 12982

Ion Ratio Lower Upper

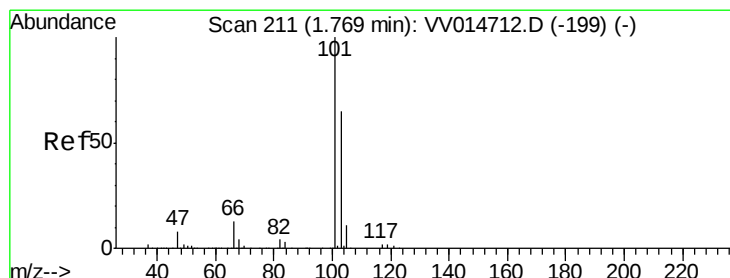
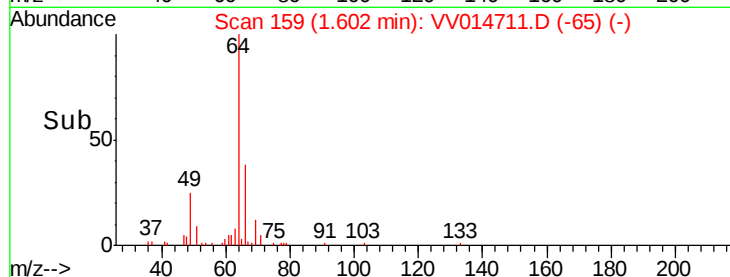
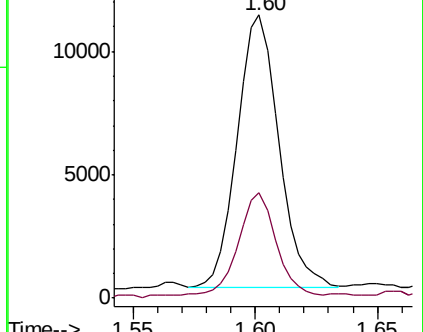
64 100

66 37.1 22.7 42.1



Abundance Ion 64.10 (63.80 to 64.80): VV014711.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV014711.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 1.344 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV014711.D

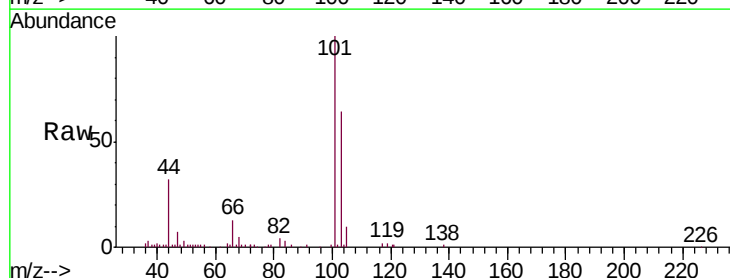
Acq: 28 Feb 2020 16:10

Tgt Ion: 101 Resp: 33034

Ion Ratio Lower Upper

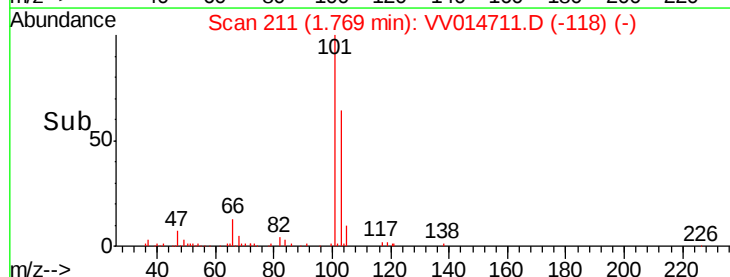
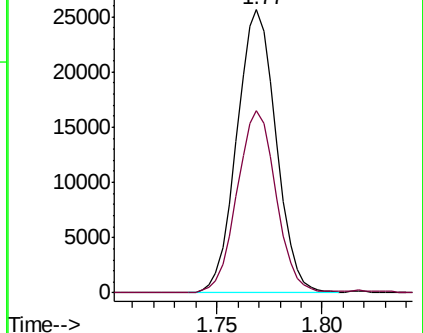
101 100

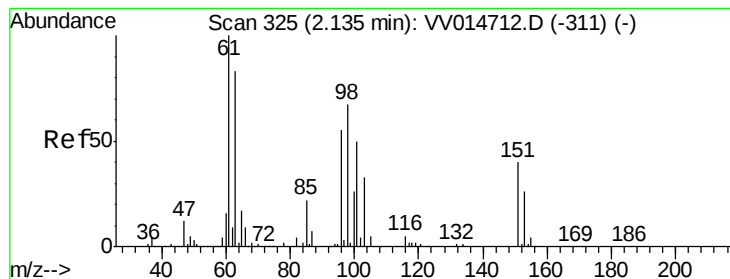
103 64.0 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV014711.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV014711.D (-118) (-)





#10

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

Concen: 1.262 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

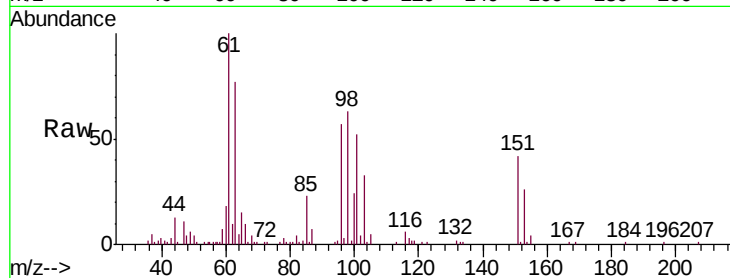
Tgt Ion: 101 Resp: 16775

Ion Ratio Lower Upper

101 100

85 46.6 35.3 52.9

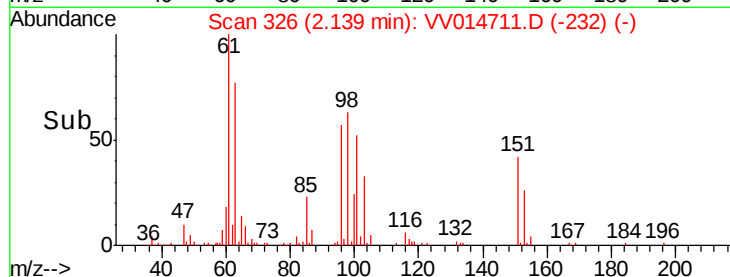
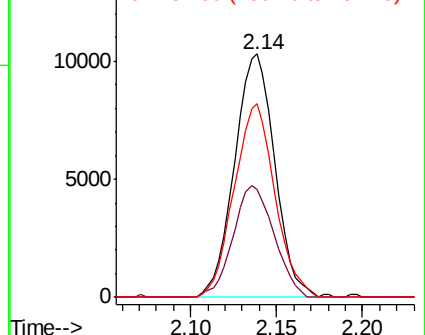
151 80.5 65.3 97.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.287 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

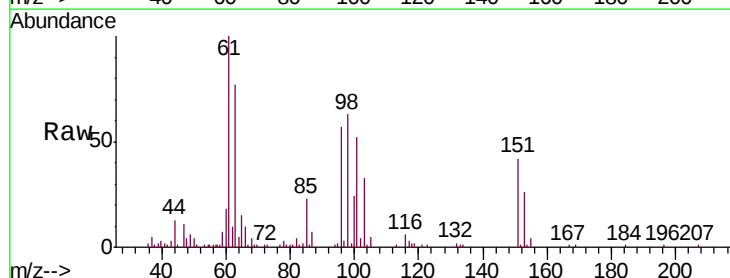
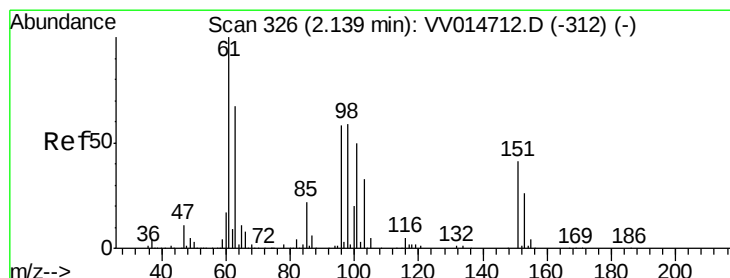
Tgt Ion: 96 Resp: 15886

Ion Ratio Lower Upper

96 100

61 176.1 121.3 225.3

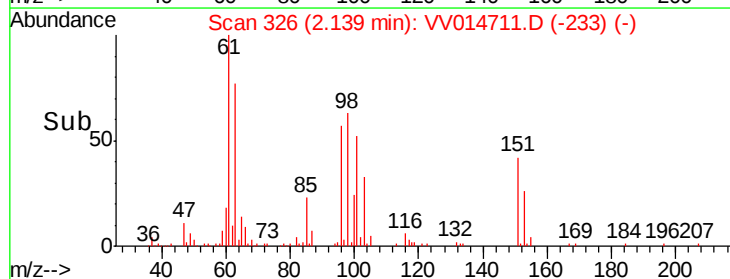
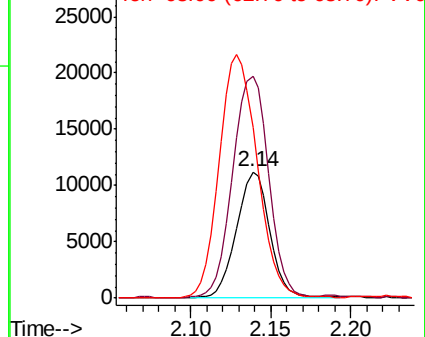
63 135.1 81.6 151.6

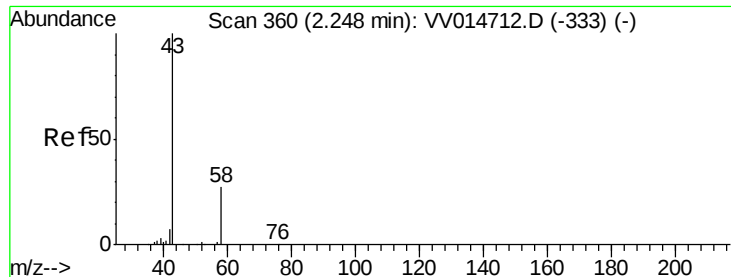


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 6.912 ug/L

RT: 2.25 min Scan# 362

Delta R.T. 0.01 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

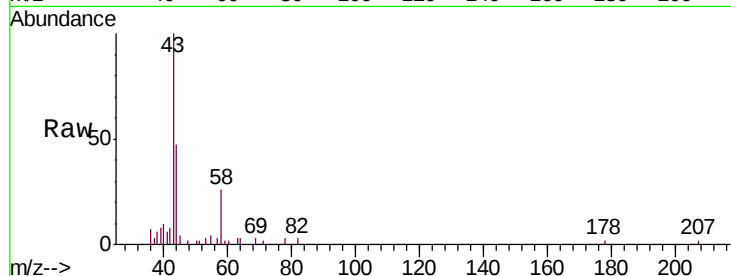
VSTD00133

Tgt Ion: 43 Resp: 15582

Ion Ratio Lower Upper

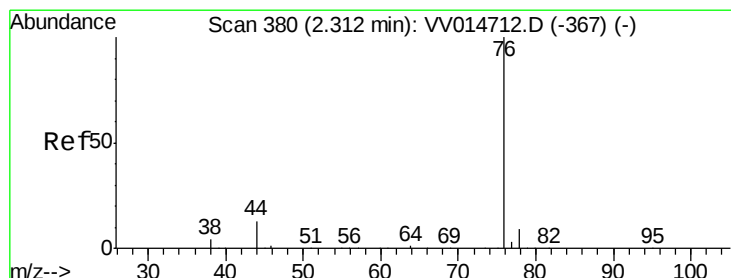
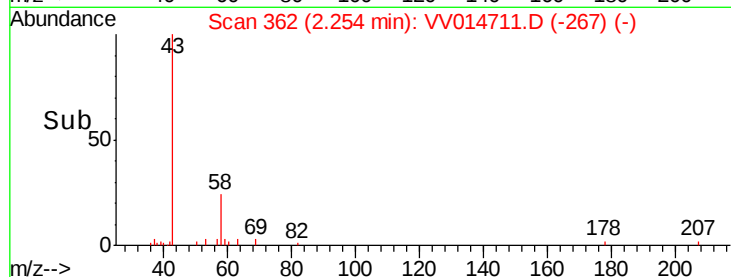
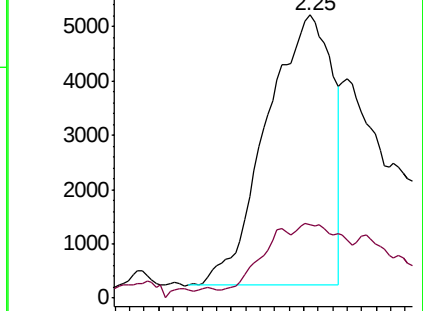
43 100

58 19.8 0.0 20.0



Abundance Ion 43.05 (42.75 to 43.75): VV014711.D (-267) (-)

Ion 58.05 (57.75 to 58.75): VV014711.D (-267) (-)



#14

Carbon disulfide

Concen: 0.942 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014711.D

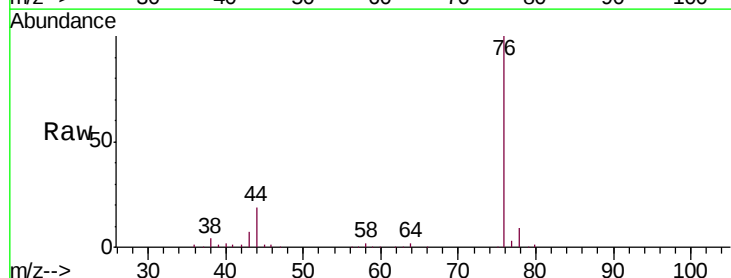
Acq: 28 Feb 2020 16:10

Tgt Ion: 76 Resp: 53088

Ion Ratio Lower Upper

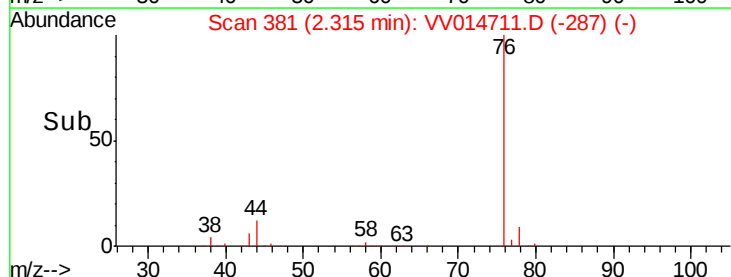
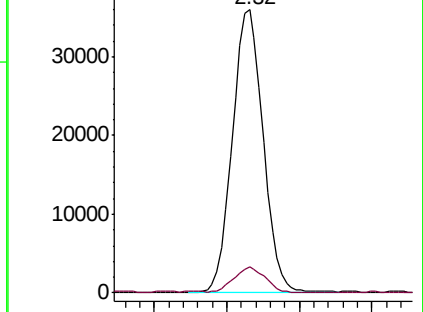
76 100

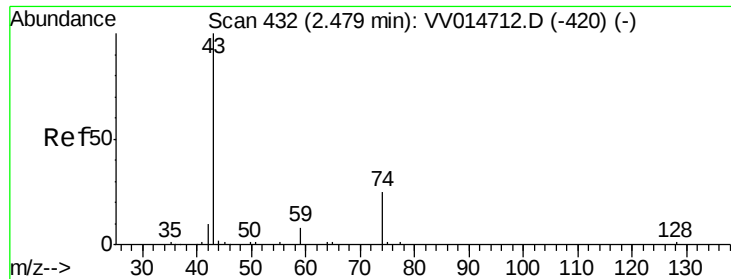
78 9.0 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV014711.D (-287) (-)

Ion 78.00 (77.70 to 78.70): VV014711.D (-287) (-)

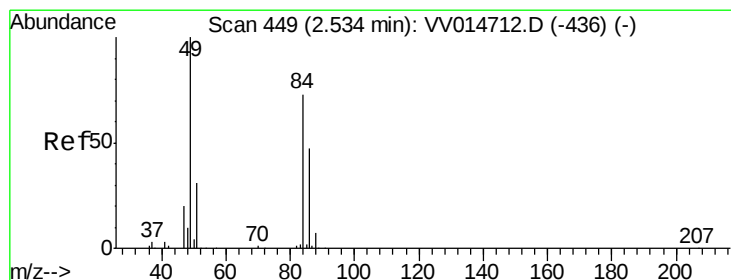
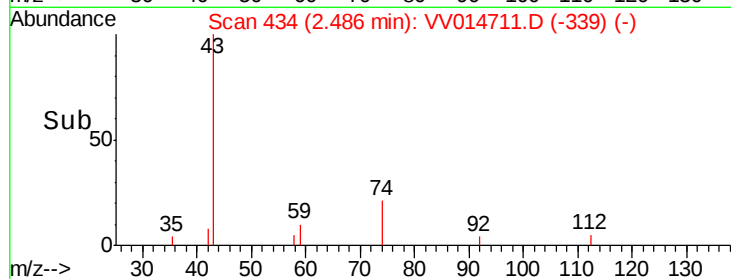
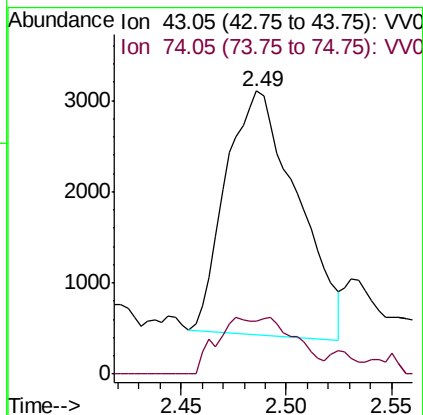
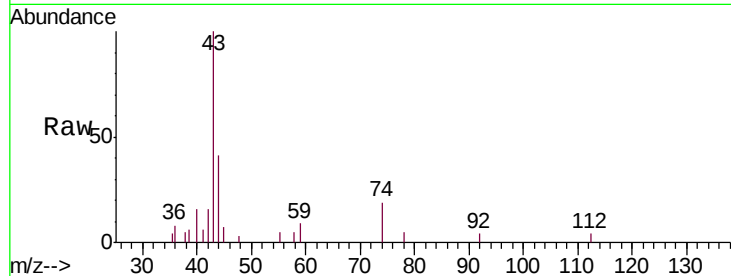




#15
Methyl Acetate
Concen: 1.143 ug/L
RT: 2.49 min Scan# 434
Delta R.T. 0.01 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

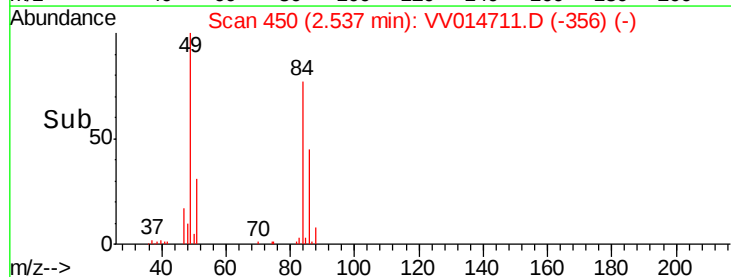
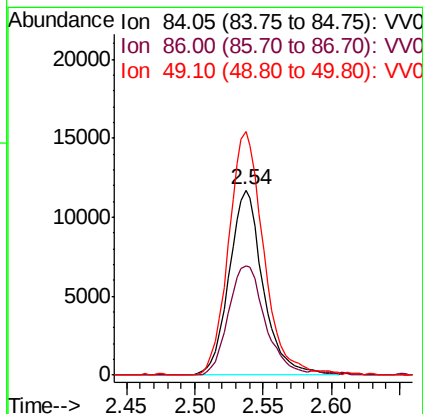
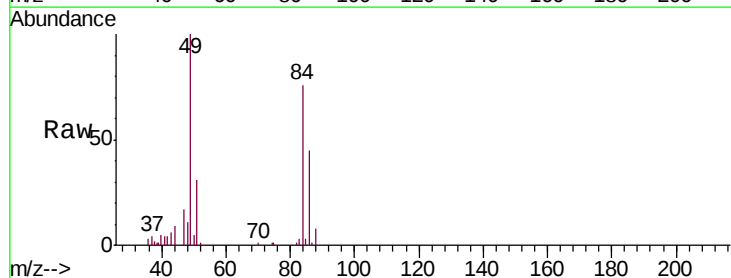
Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

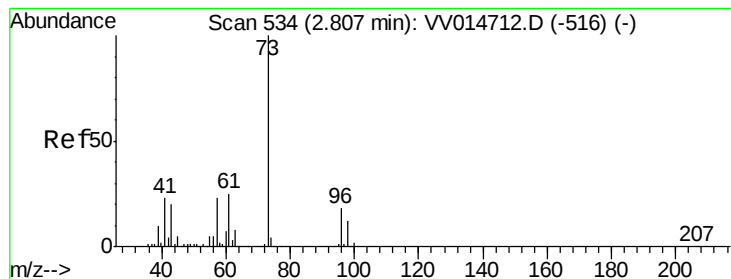
Tgt Ion: 43 Resp: 6305
Ion Ratio Lower Upper
43 100
74 11.4 14.8 22.2#



#16
Methylene chloride
Concen: 0.941 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Tgt Ion: 84 Resp: 20354
Ion Ratio Lower Upper
84 100
86 59.3 44.9 83.5
49 131.6 95.6 177.6





#17

Methyl tert-butyl Ether

Concen: 1.010 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

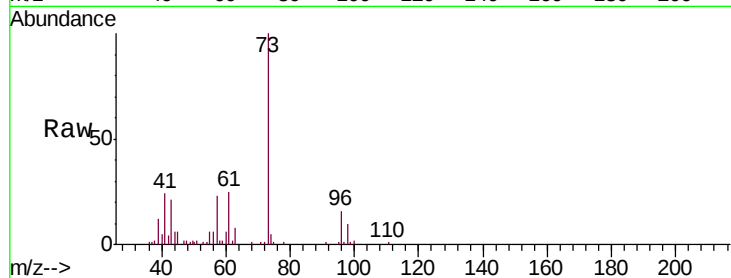
Tgt Ion: 73 Resp: 41905

Ion Ratio Lower Upper

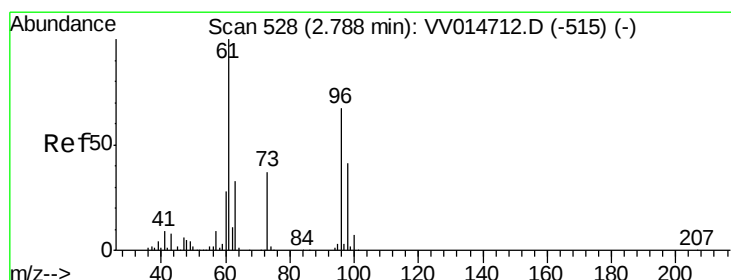
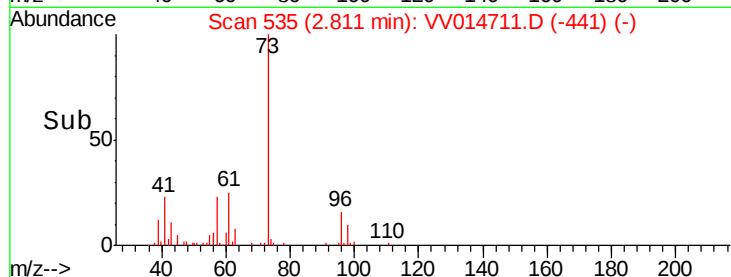
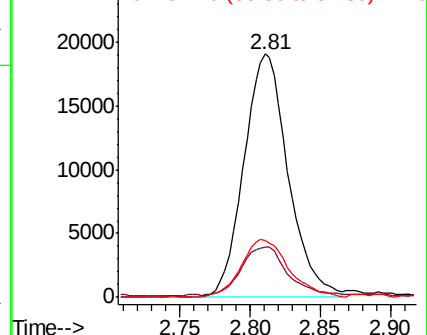
73 100

43 20.5 16.0 24.0

57 25.7 18.4 27.6



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: 1.018 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

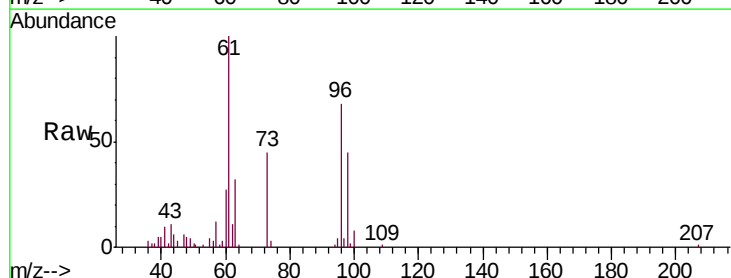
Tgt Ion: 96 Resp: 19752

Ion Ratio Lower Upper

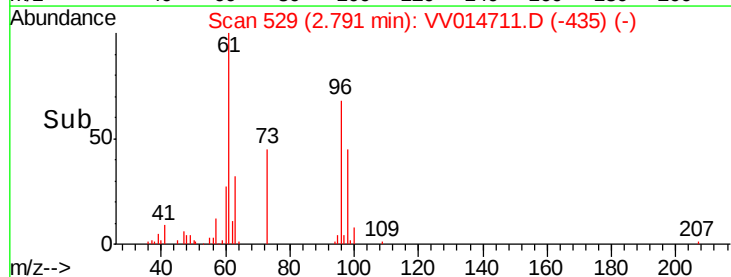
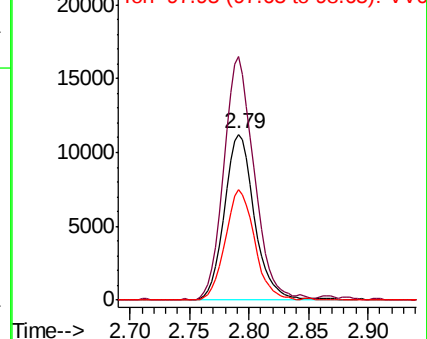
96 100

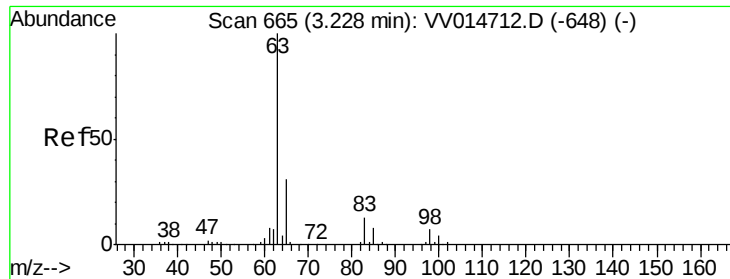
61 147.1 104.9 194.9

98 66.9 42.9 79.7



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

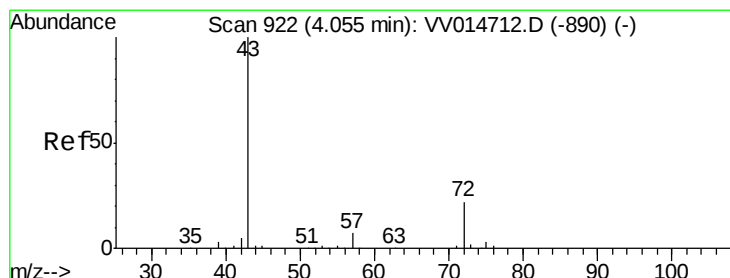
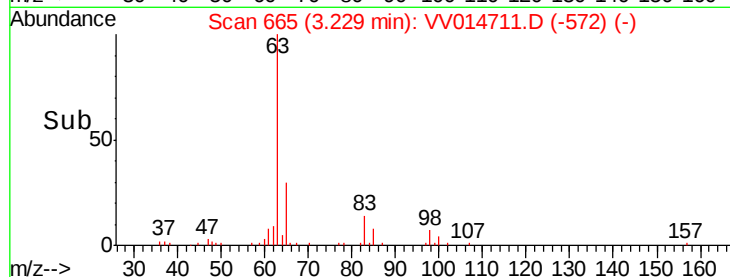
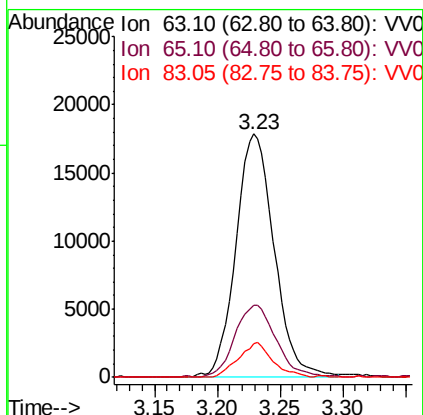
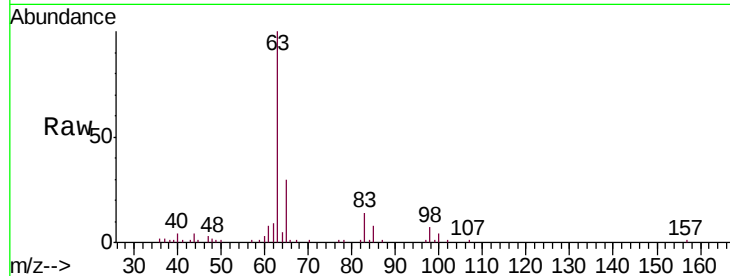




#19
 1,1-Dichloroethane
 Concen: 1.060 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

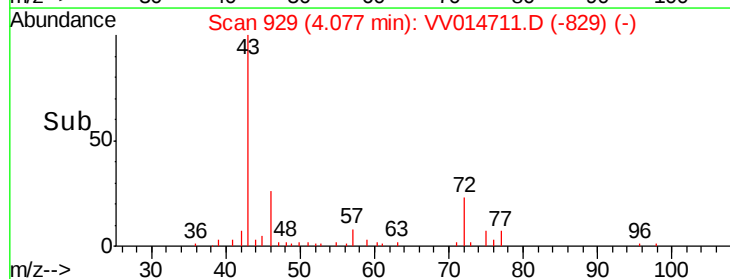
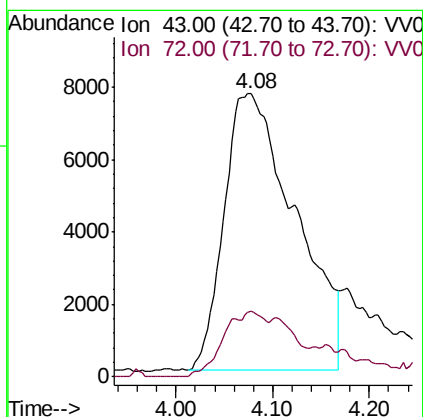
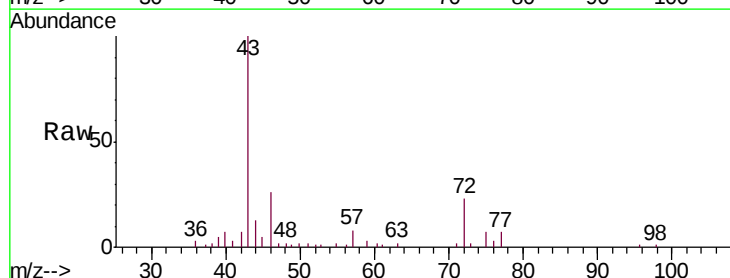
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

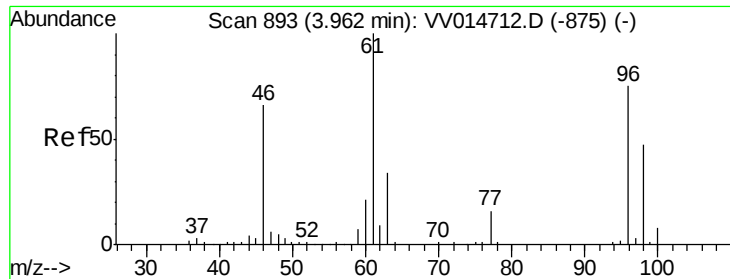
Tgt Ion: 63 Resp: 37993
 Ion Ratio Lower Upper
 63 100
 65 29.7 21.9 40.7
 83 13.7 9.0 16.6



#21
 2-Butanone
 Concen: 10.088 ug/L
 RT: 4.08 min Scan# 929
 Delta R.T. 0.02 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion: 43 Resp: 39170
 Ion Ratio Lower Upper
 43 100
 72 1.9 10.5 31.6#



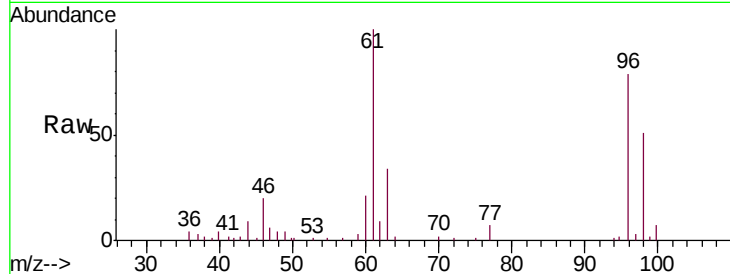


#22

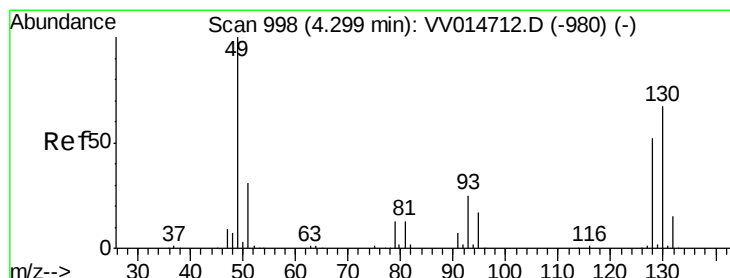
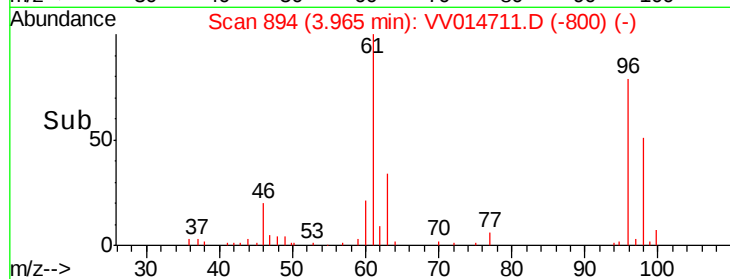
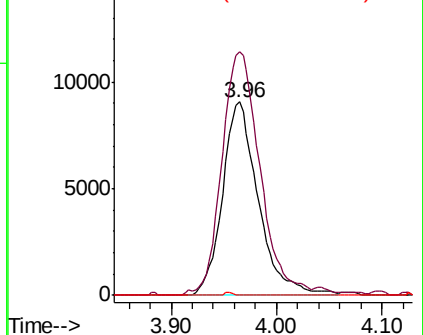
cis-1,2-Dichloroethene
Concen: 1.021 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

Tgt Ion: 96 Resp: 21351
Ion Ratio Lower Upper
96 100
61 125.9 93.3 173.3
68 0.0 0.0 0.0



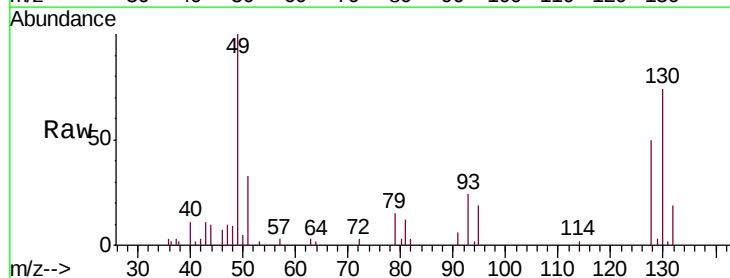
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



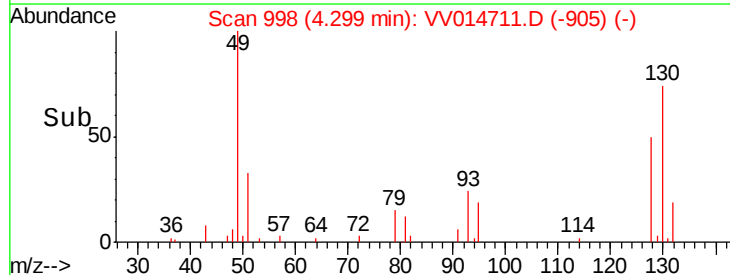
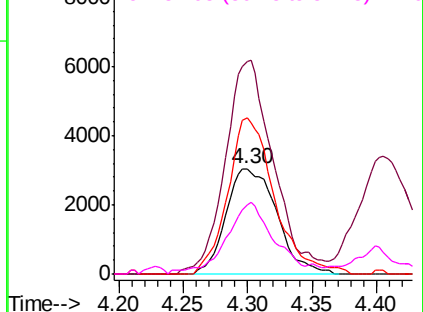
#23

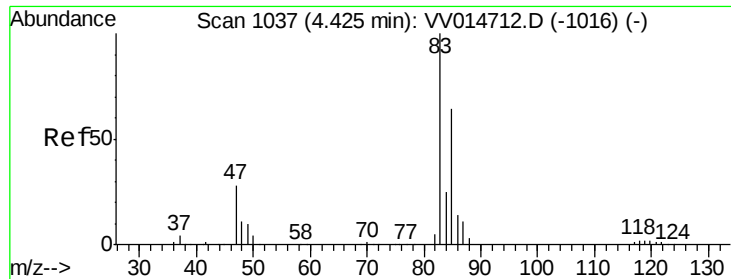
Bromochloromethane
Concen: 1.052 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Tgt Ion: 128 Resp: 8342
Ion Ratio Lower Upper
128 100
49 201.4 136.2 252.9
130 148.9 90.3 167.7
51 65.7 47.9 71.9



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

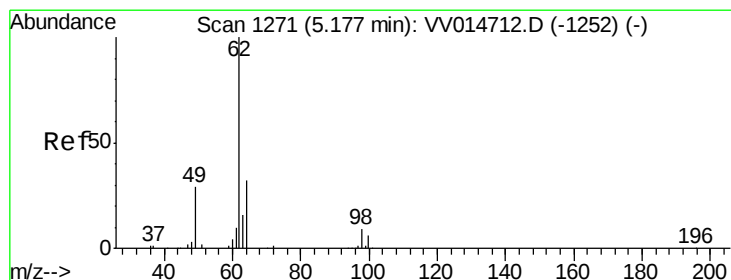
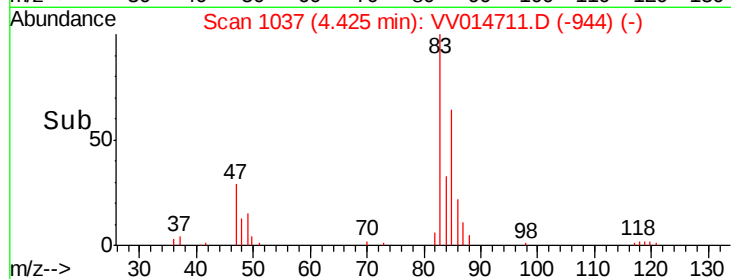
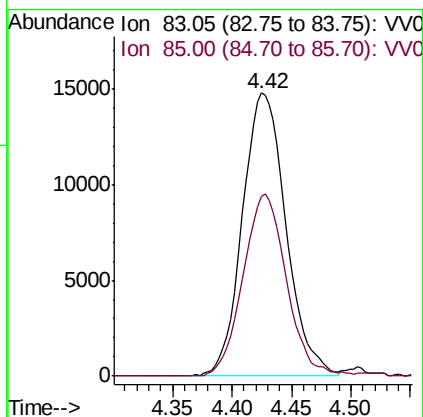
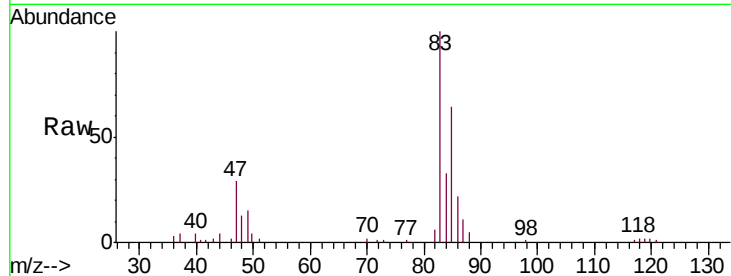




#25
Chloroform
Concen: 1.049 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

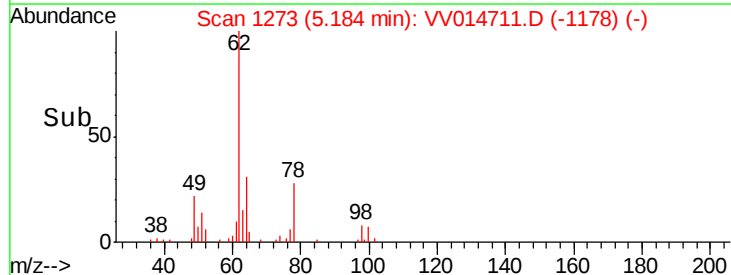
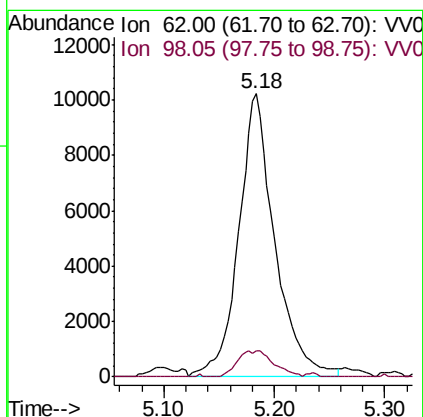
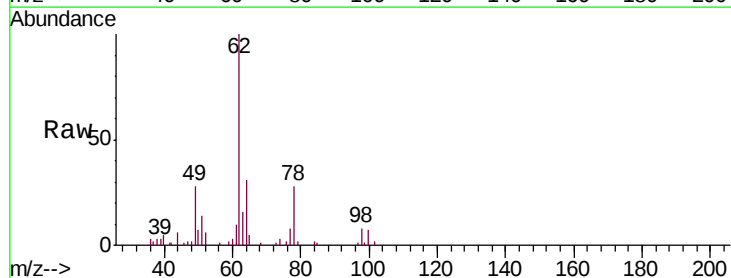
Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

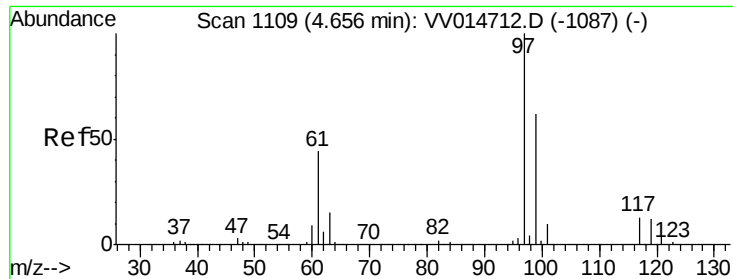
Tgt Ion: 83 Resp: 37530
Ion Ratio Lower Upper
83 100
85 63.7 44.7 83.1



#27
1,2-Dichloroethane
Concen: 1.166 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Tgt Ion: 62 Resp: 23133
Ion Ratio Lower Upper
62 100
98 9.1 7.4 11.2

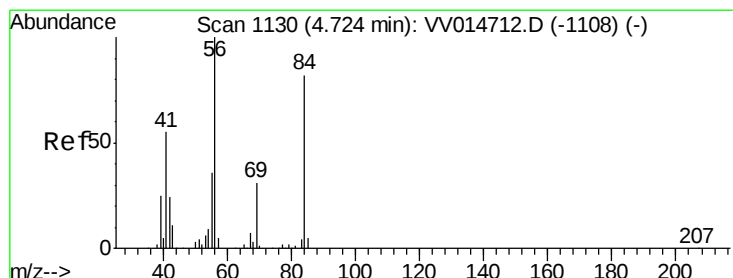
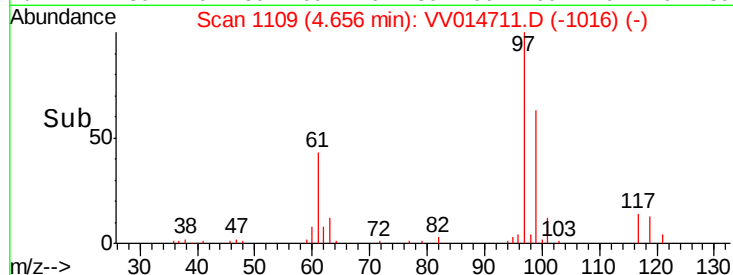
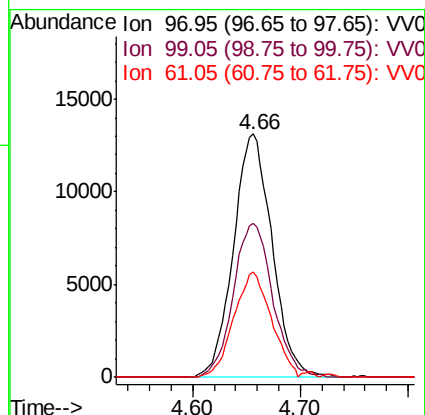
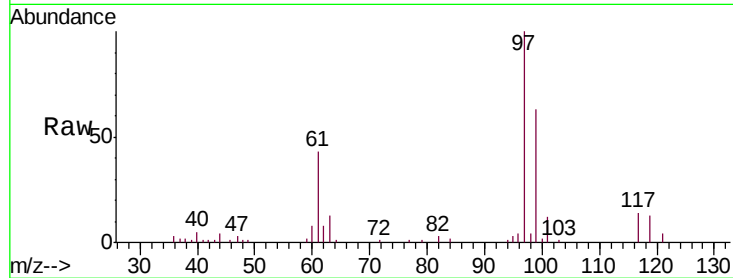




#29
 1,1,1-Trichloroethane
 Concen: 1.049 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

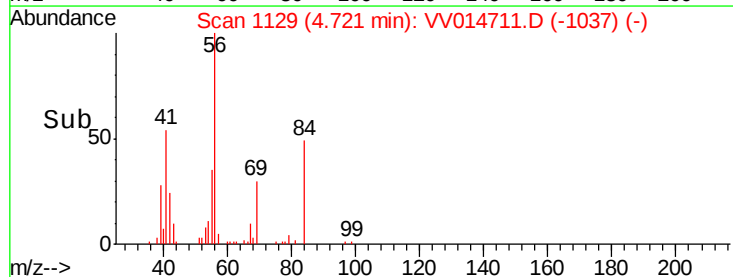
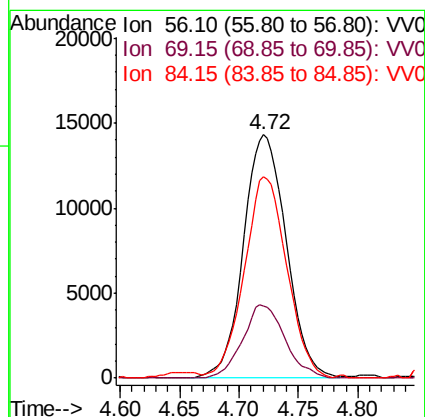
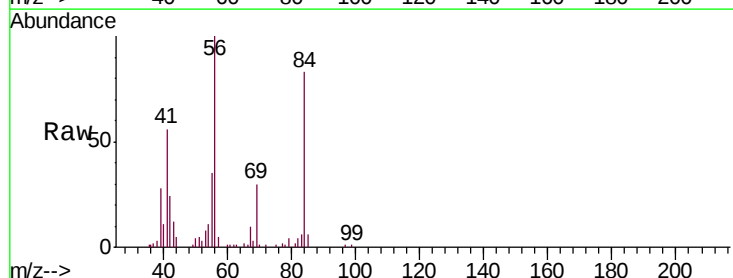
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

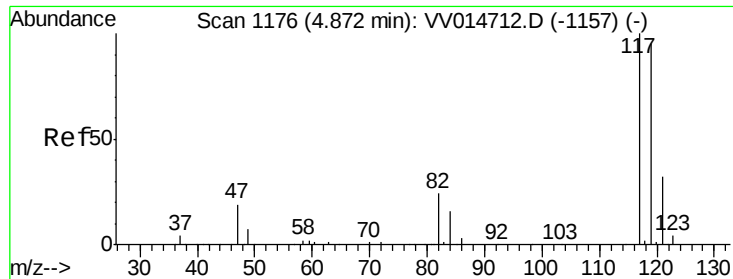
Tgt Ion: 97 Resp: 32811
 Ion Ratio Lower Upper
 97 100
 99 64.3 50.6 76.0
 61 41.9 36.3 54.5



#30
 Cyclohexane
 Concen: 0.994 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion: 56 Resp: 35748
 Ion Ratio Lower Upper
 56 100
 69 29.7 23.4 35.2
 84 82.3 66.3 99.5





#31

Carbon tetrachloride

Concen: 1.006 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

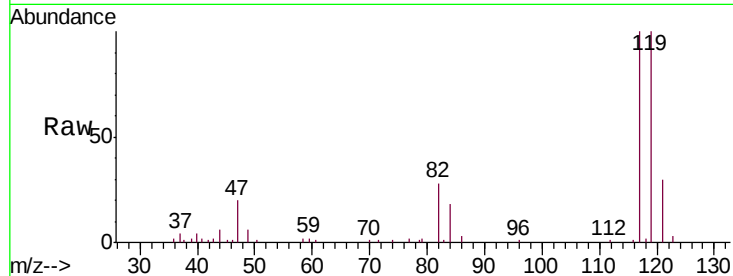
VSTD00133

Tgt Ion:117 Resp: 26944

Ion Ratio Lower Upper

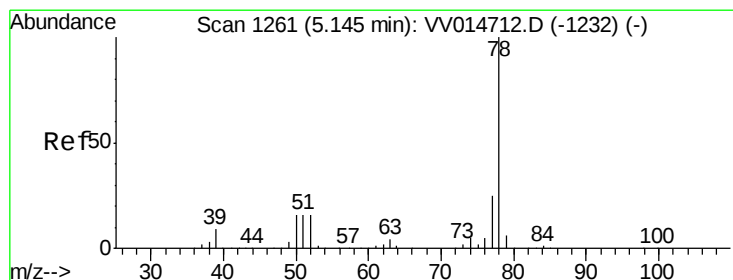
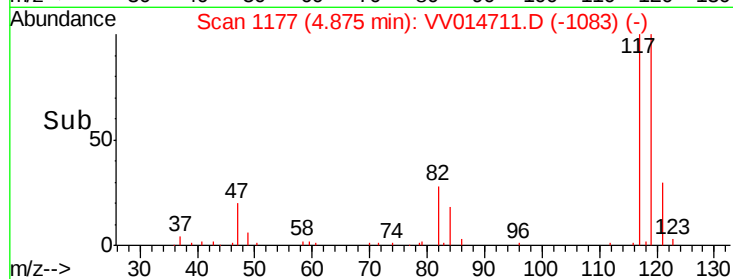
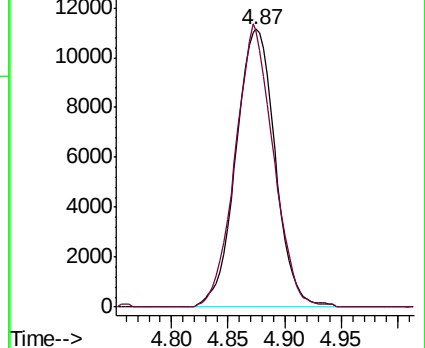
117 100

119 98.8 75.8 113.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.984 ug/L

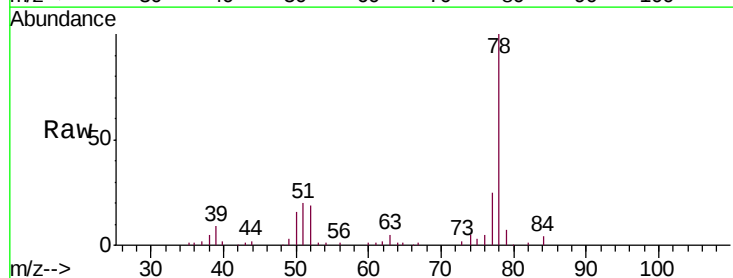
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

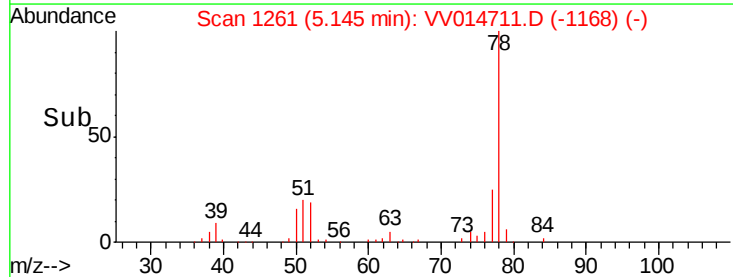
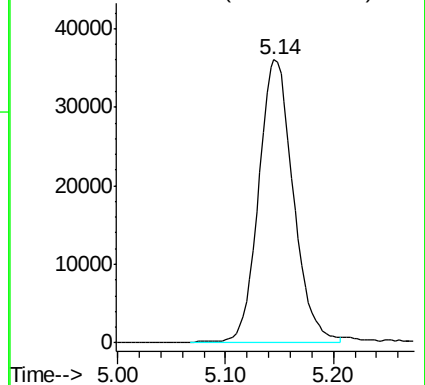
Lab File: VV014711.D

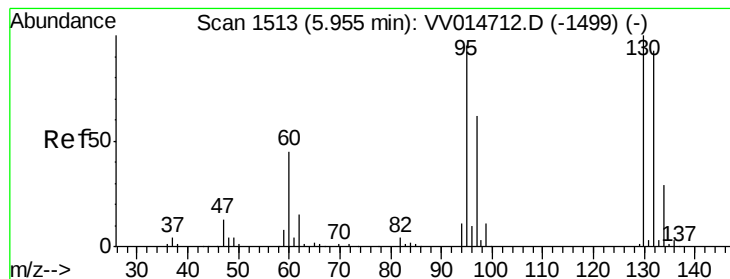
Acq: 28 Feb 2020 16:10

Tgt Ion: 78 Resp: 80546



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.985 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

Tgt Ion: 95 Resp: 21042

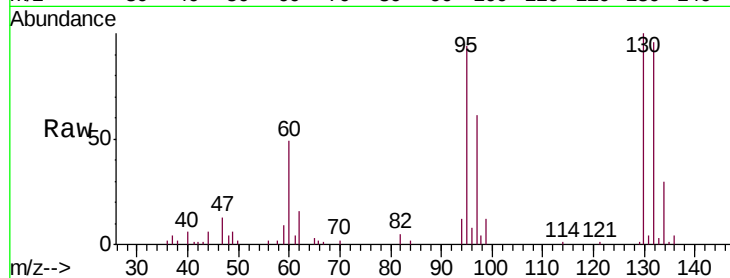
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.0

132 101.9 68.7 127.5

130 106.0 74.1 137.5

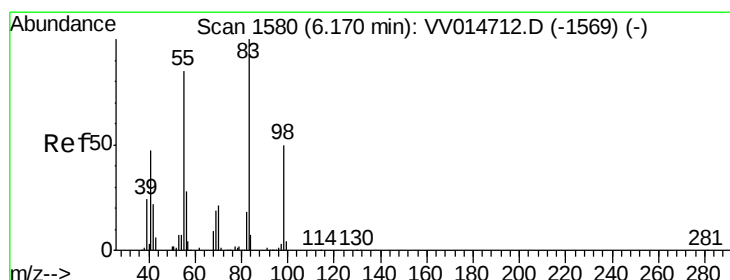
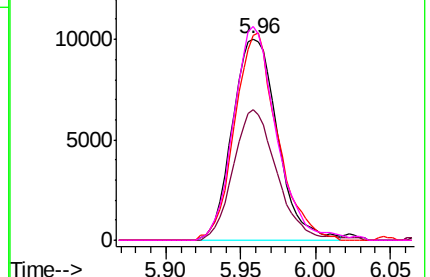
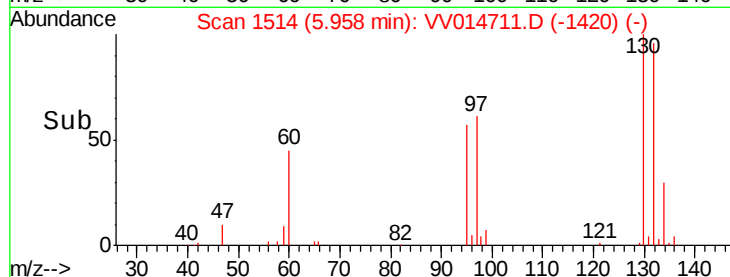


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.963 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

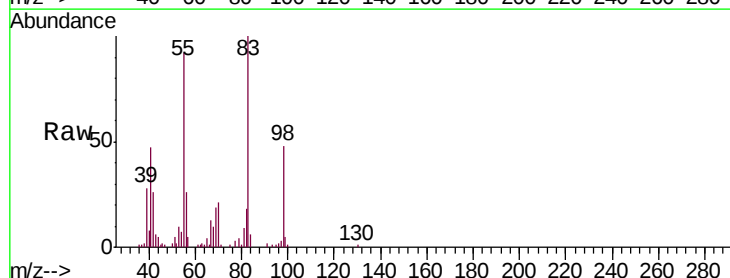
Tgt Ion: 83 Resp: 35618

Ion Ratio Lower Upper

83 100

55 84.0 64.6 96.8

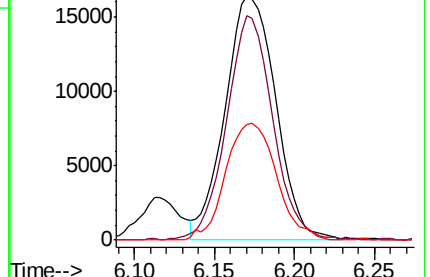
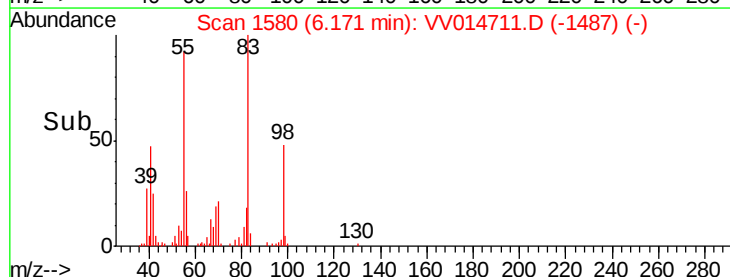
98 47.9 37.8 56.8

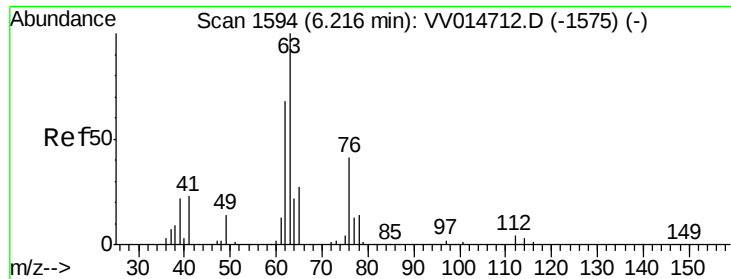


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

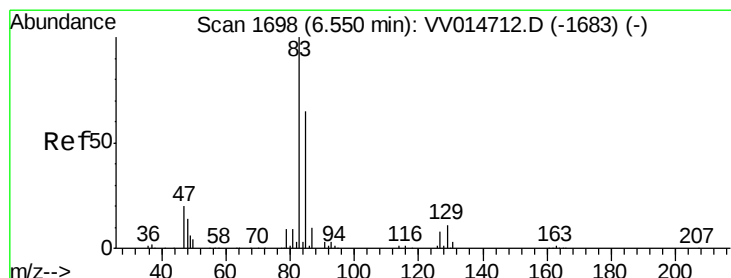
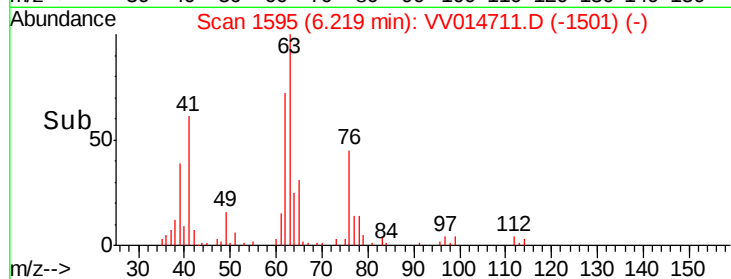
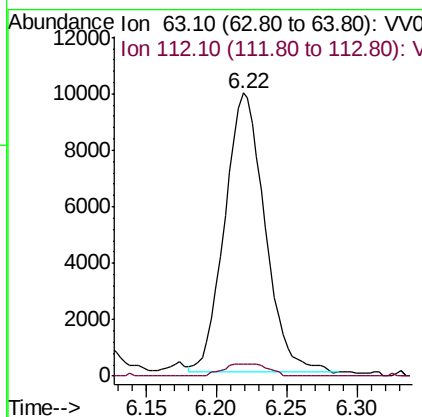
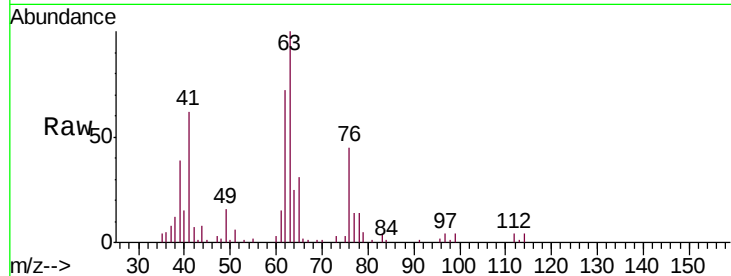




#37
 1,2-Dichloropropane
 Concen: 0.966 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

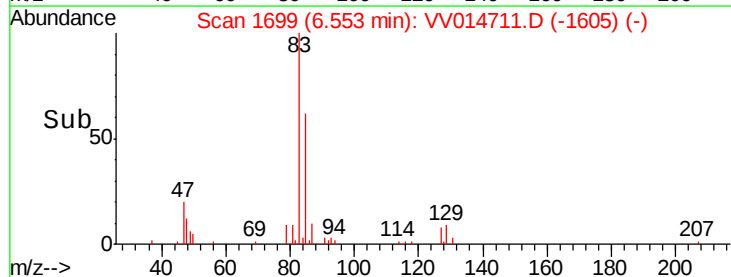
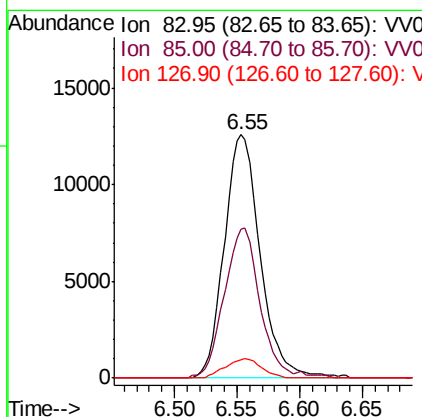
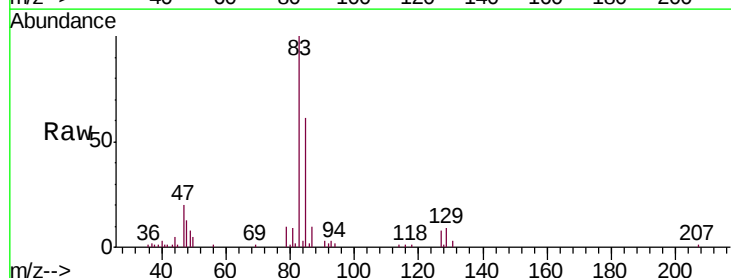
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

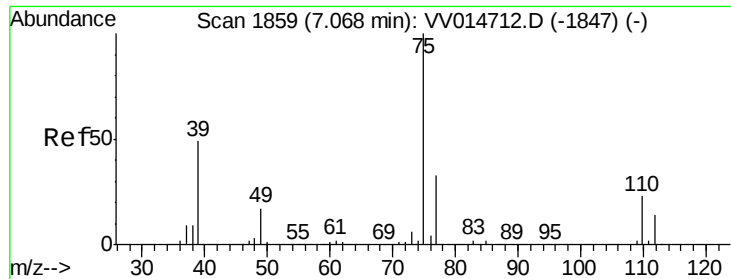
Tgt Ion: 63 Resp: 19744
 Ion Ratio Lower Upper
 63 100
 112 2.4 3.4 5.0#



#38
 Bromodichloromethane
 Concen: 1.005 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion: 83 Resp: 24979
 Ion Ratio Lower Upper
 83 100
 85 61.4 45.2 84.0
 127 7.5 6.6 10.0

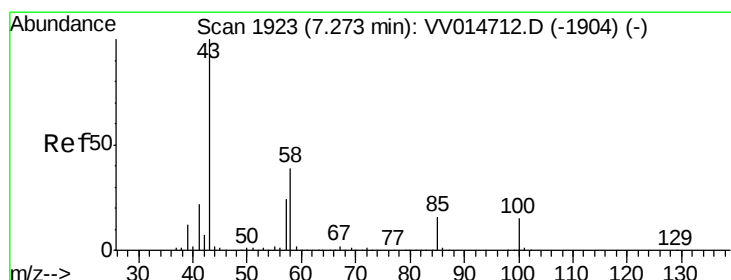
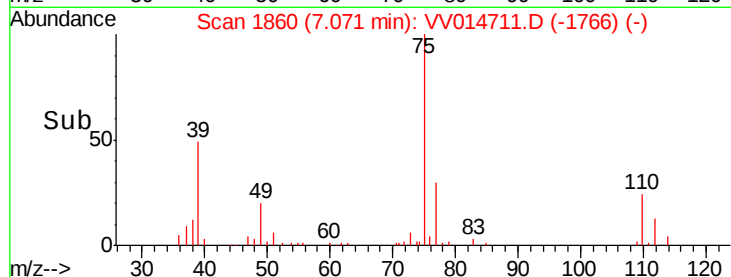
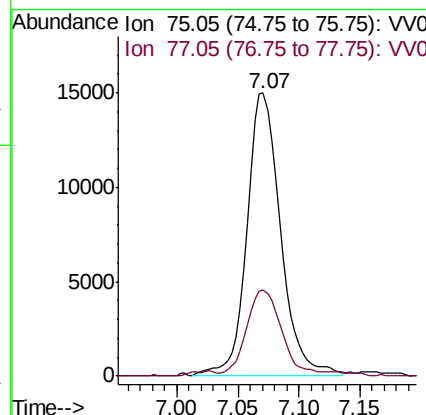
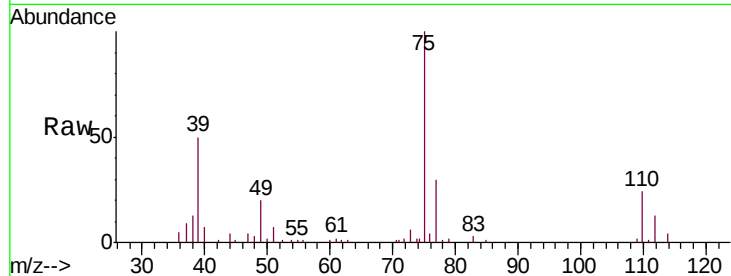




#39
 cis-1,3-Dichloropropene
 Concen: 0.942 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

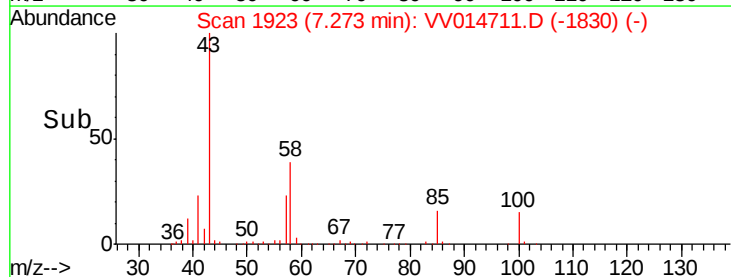
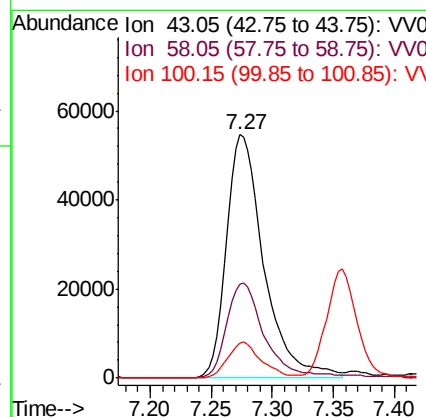
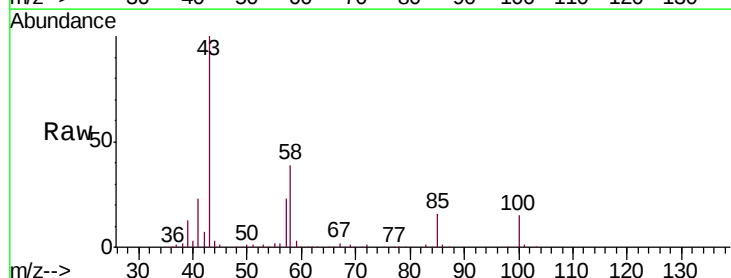
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

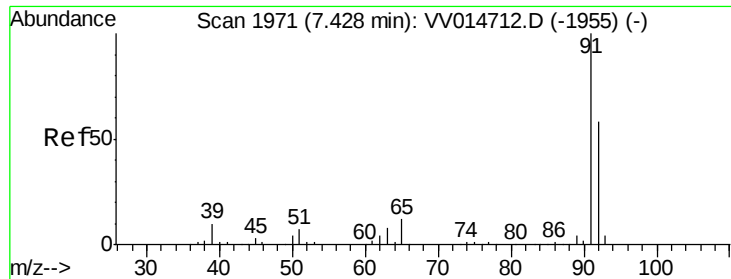
Tgt Ion: 75 Resp: 28607
 Ion Ratio Lower Upper
 75 100
 77 30.3 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 10.184 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion: 43 Resp: 116604
 Ion Ratio Lower Upper
 43 100
 58 40.6 30.2 45.2
 100 13.7 11.2 16.8





#42

Toluene

Concen: 0.960 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampled :

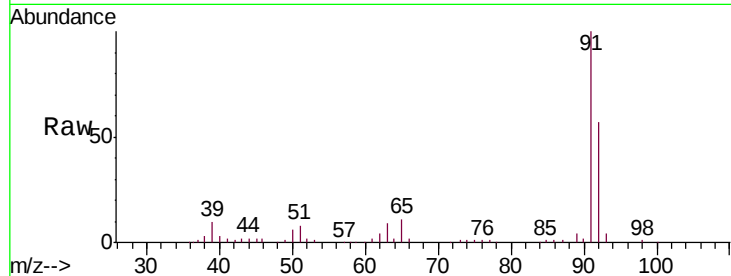
VSTD00133

Tgt Ion: 91 Resp: 83807

Ion Ratio Lower Upper

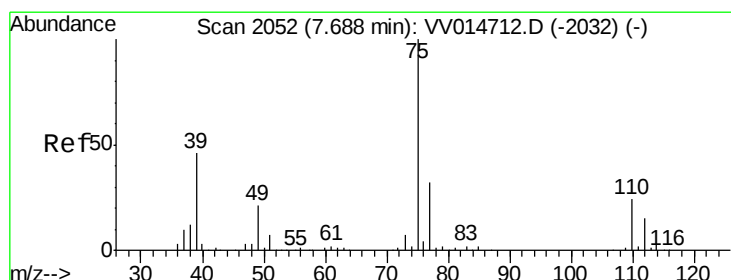
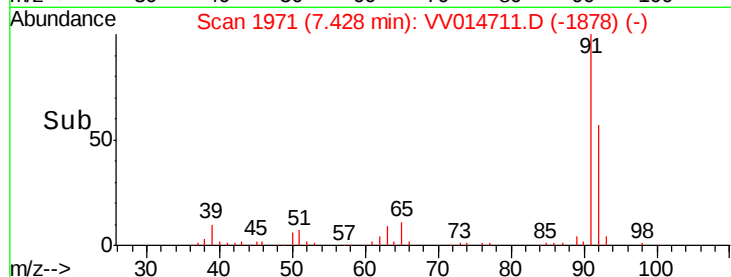
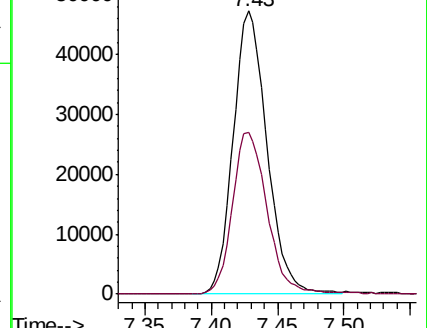
91 100

92 57.1 40.3 74.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014711.D

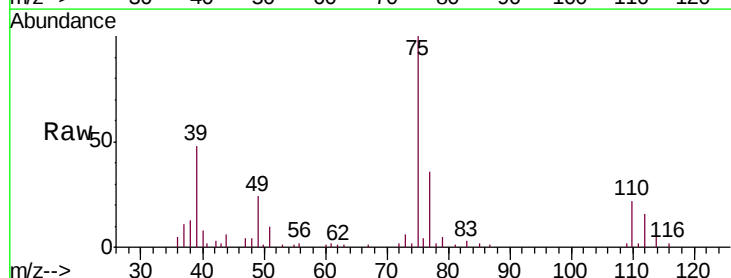
Acq: 28 Feb 2020 16:10

Tgt Ion: 75 Resp: 21441

Ion Ratio Lower Upper

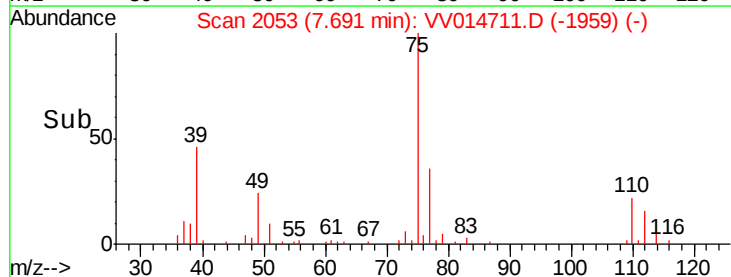
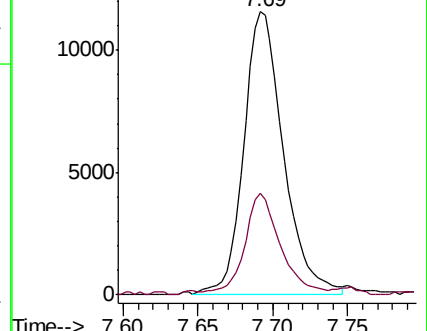
75 100

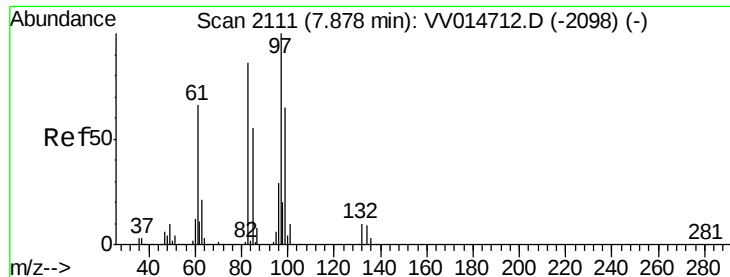
77 35.8 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

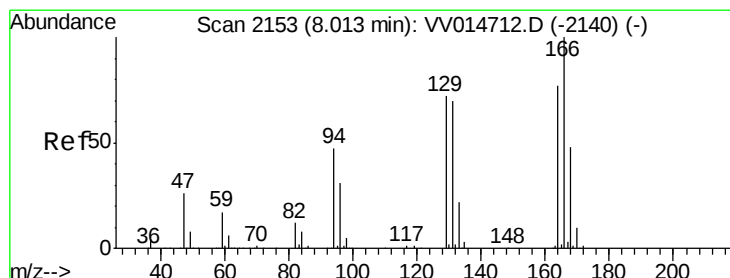
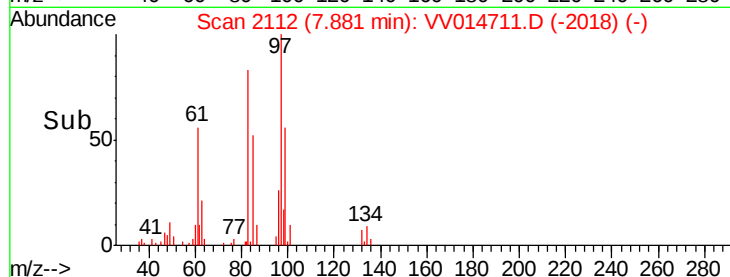
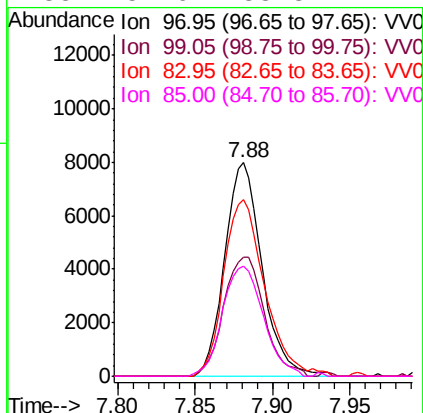
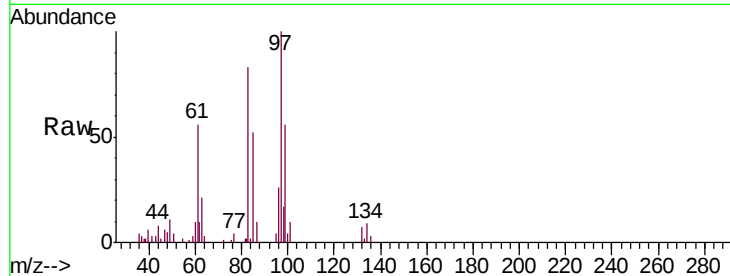




#45
 1,1,2-Trichloroethane
 Concen: 1.014 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

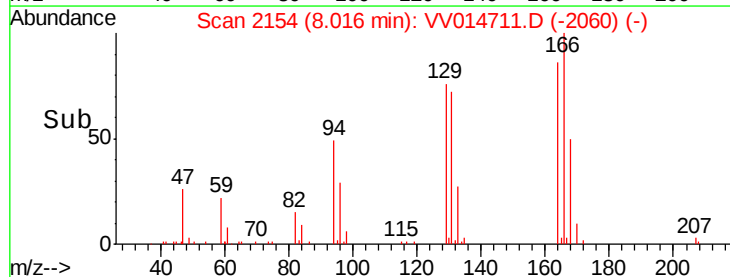
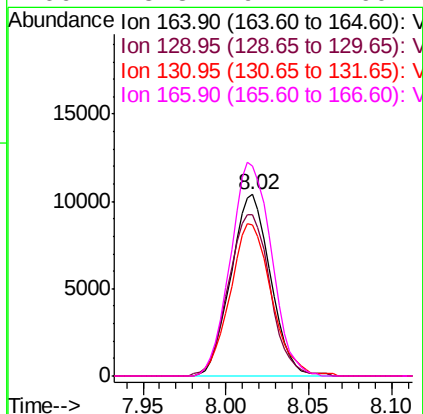
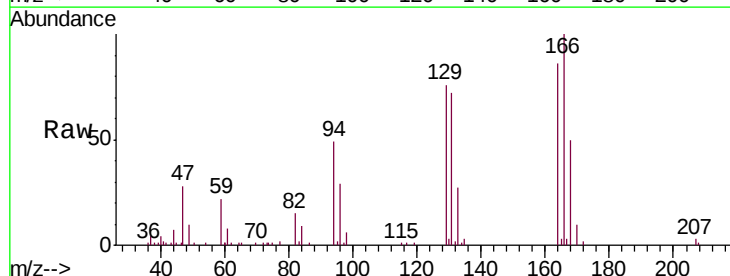
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

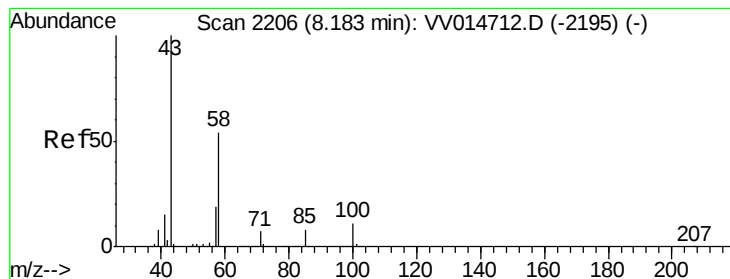
Tgt Ion:	97	Resp:	13358
Ion	Ratio	Lower	Upper
97	100		
99	55.6	45.4	84.4
83	82.6	59.8	111.1
85	51.6	38.3	71.1



#47
 Tetrachloroethene
 Concen: 1.098 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion:	164	Resp:	17340
Ion	Ratio	Lower	Upper
164	100		
129	88.5	65.9	122.5
131	83.4	64.0	119.0
166	115.8	91.2	169.4





#48

2-Hexanone

Concen: 10.523 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

Tgt Ion: 43 Resp: 84371

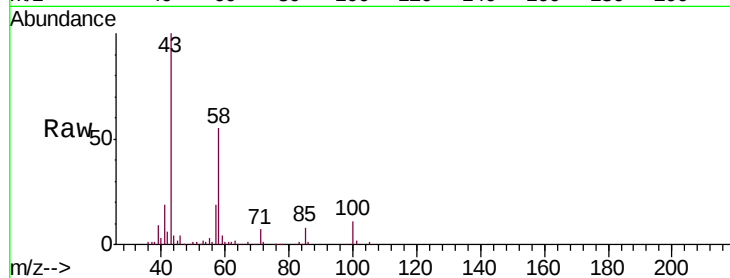
Ion Ratio Lower Upper

43 100

58 53.9 43.1 64.7

57 17.9 14.6 21.8

100 11.1 9.0 13.4

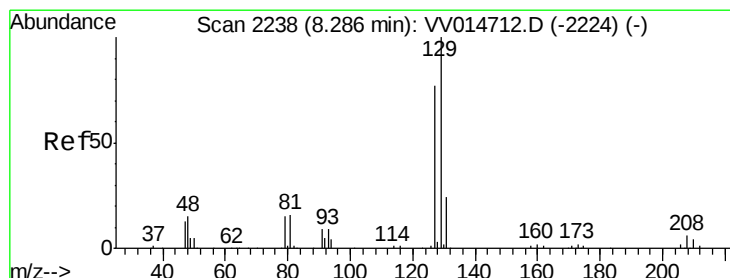
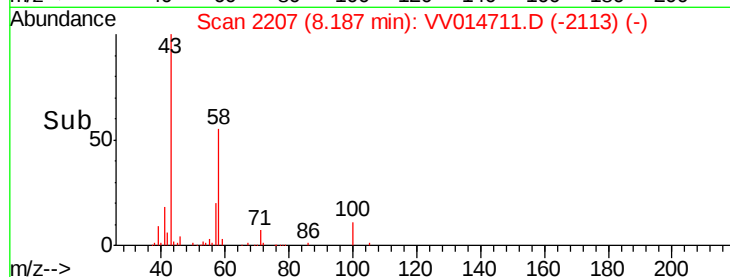
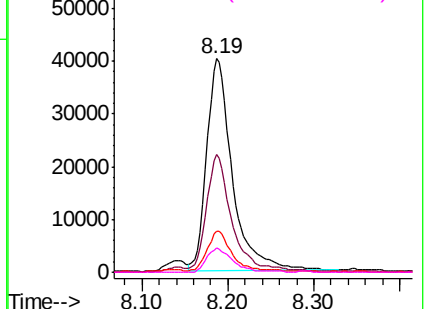


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 0.902 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV014711.D

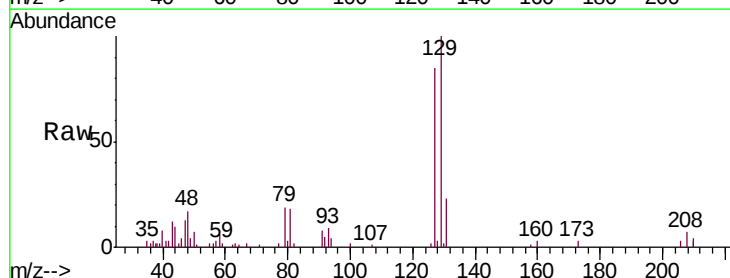
Acq: 28 Feb 2020 16:10

Tgt Ion: 129 Resp: 14073

Ion Ratio Lower Upper

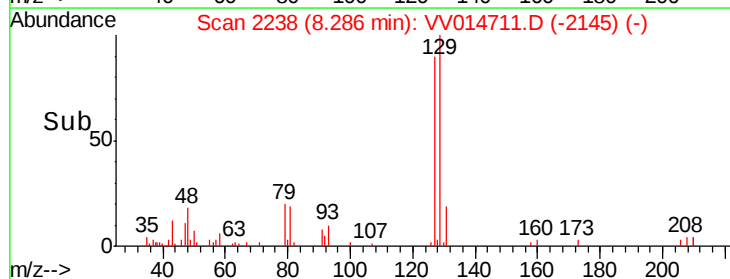
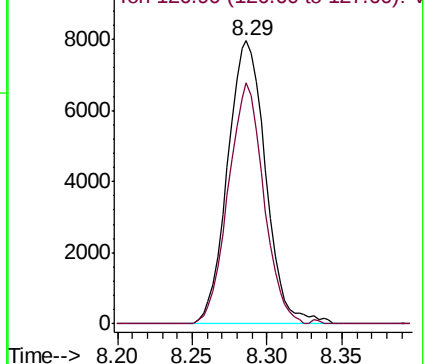
129 100

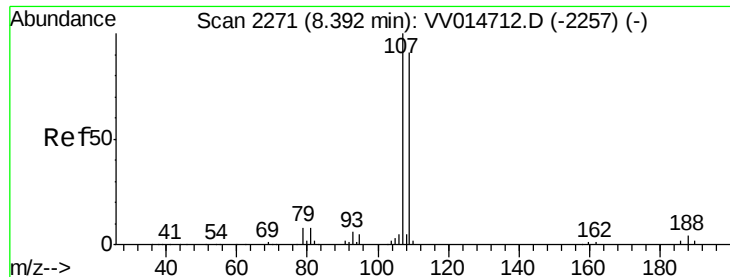
127 85.0 53.8 99.8



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

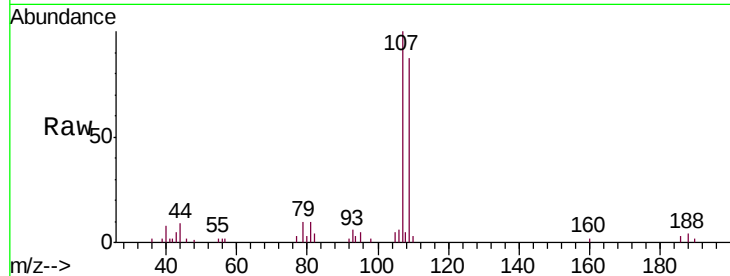




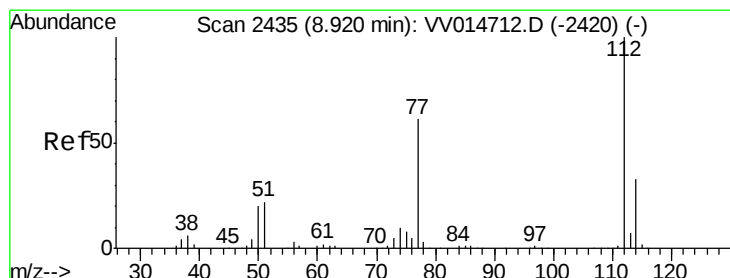
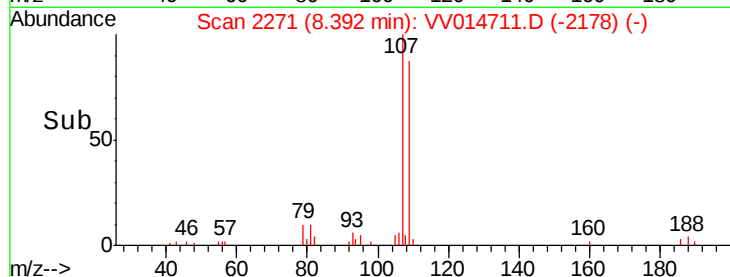
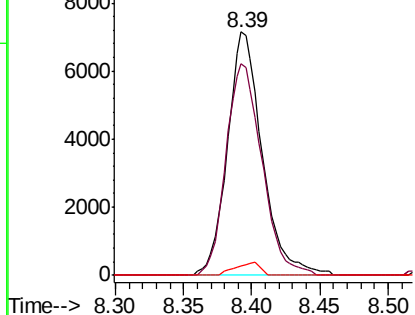
#50
1,2-Dibromoethane
Concen: 1.037 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Instrument :
MSVOA_V
ClientSampleId :
VSTD00133

Tgt Ion:107 Resp: 12700
Ion Ratio Lower Upper
107 100
109 86.9 63.6 118.2
188 3.7 3.1 4.7

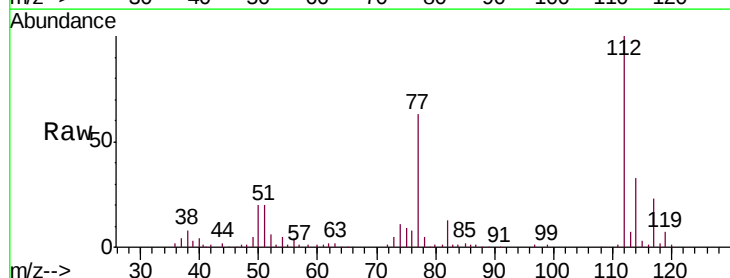


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

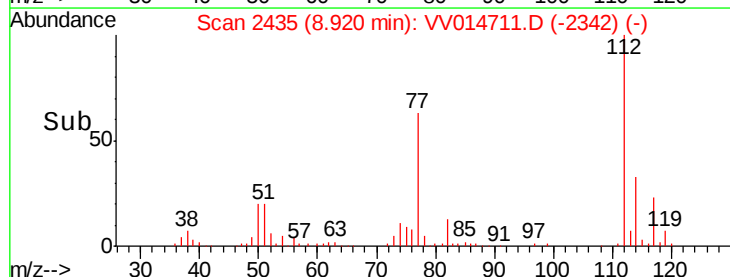
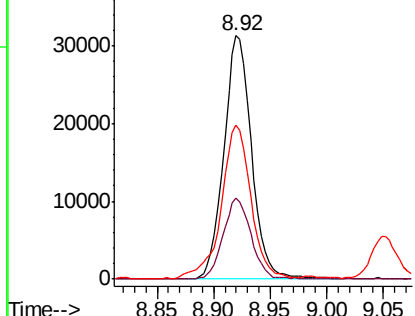


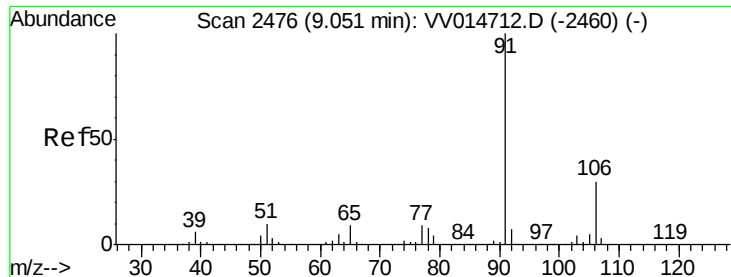
#51
Chlorobenzene
Concen: 0.983 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014711.D
Acq: 28 Feb 2020 16:10

Tgt Ion:112 Resp: 53294
Ion Ratio Lower Upper
112 100
114 33.1 23.2 43.2
77 63.3 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): V





#52

Ethylbenzene

Concen: 0.958 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

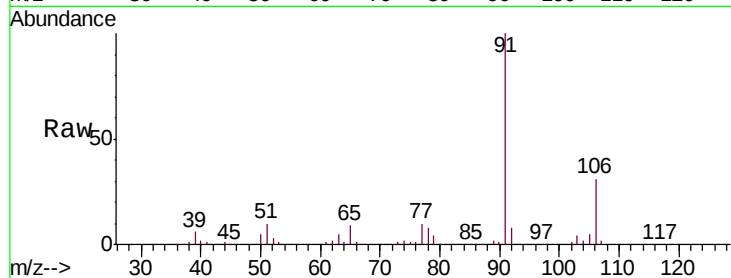
VSTD00133

Tgt Ion: 91 Resp: 93902

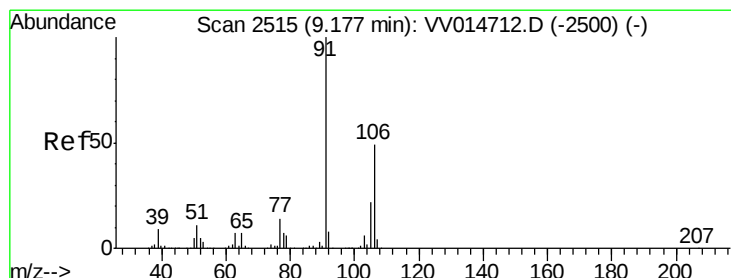
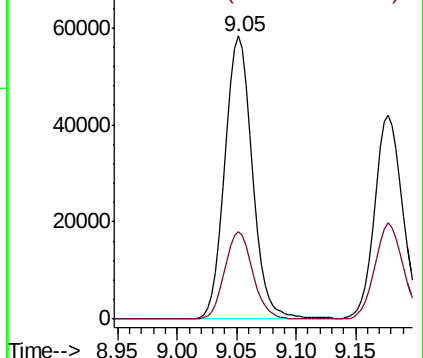
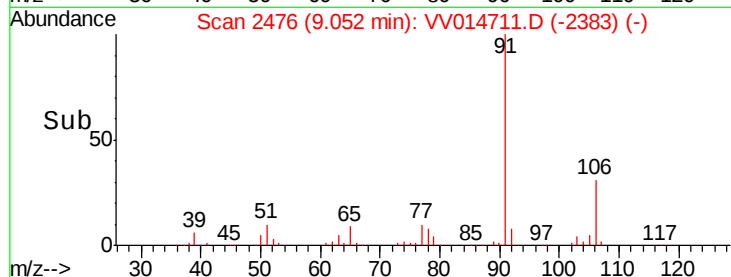
Ion Ratio Lower Upper

91 100

106 31.0 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV014711.D (-2383) (-)



#53

m,p-xylene

Concen: 0.917 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014711.D

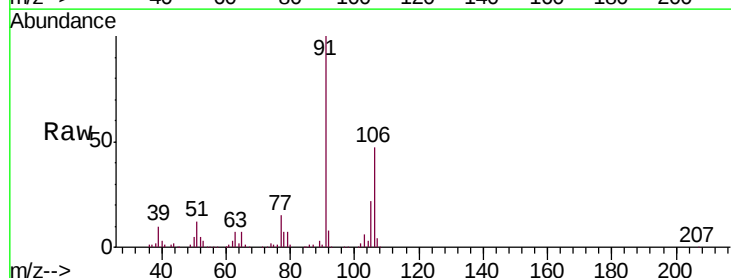
Acq: 28 Feb 2020 16:10

Tgt Ion: 106 Resp: 33330

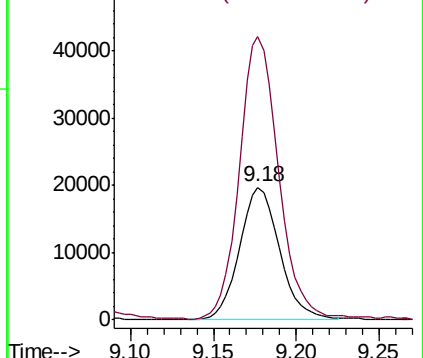
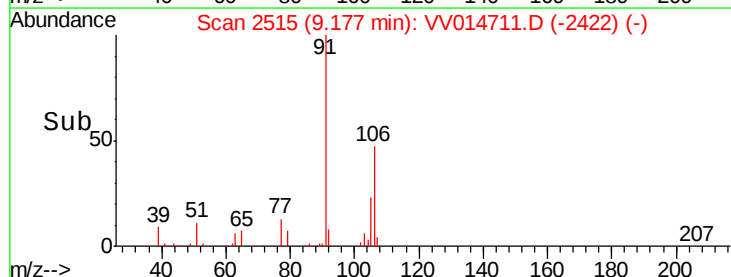
Ion Ratio Lower Upper

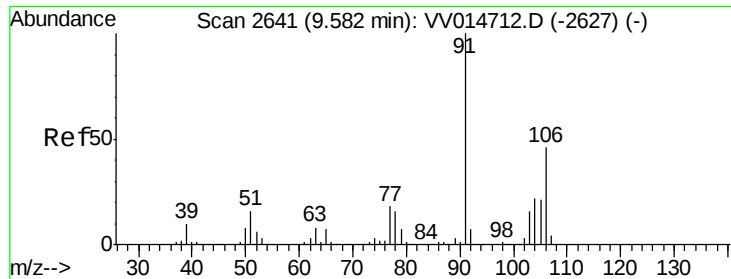
106 100

91 212.9 142.5 264.6



Abundance Ion 106.15 (105.85 to 106.85): VV014711.D (-2422) (-)





#54

o-xylene

Concen: 0.937 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

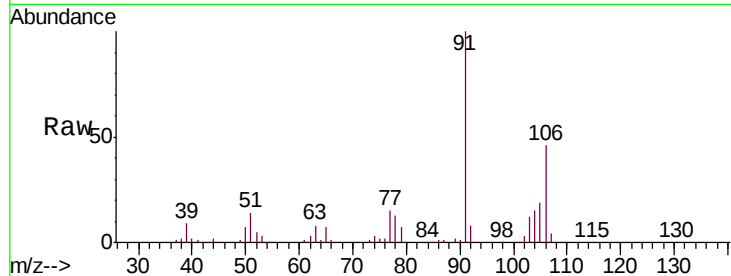
VSTD00133

Tgt Ion:106 Resp: 33252

Ion Ratio Lower Upper

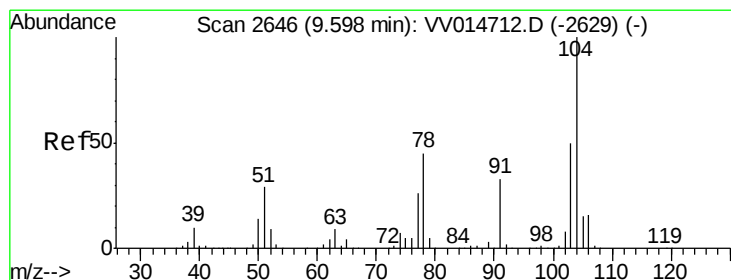
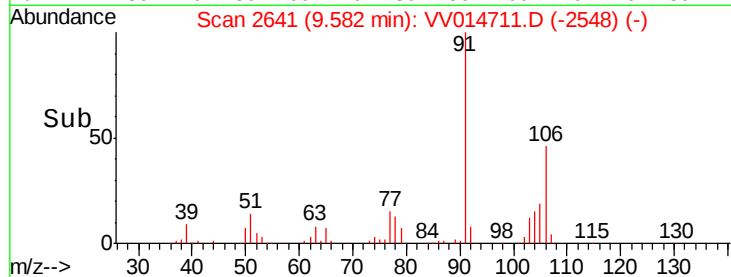
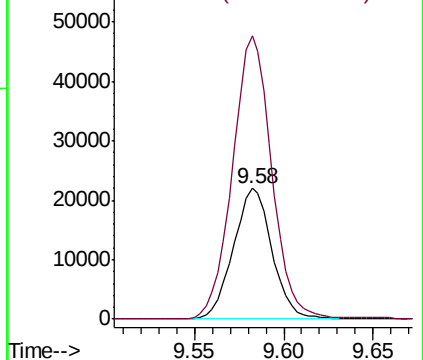
106 100

91 216.7 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.911 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014711.D

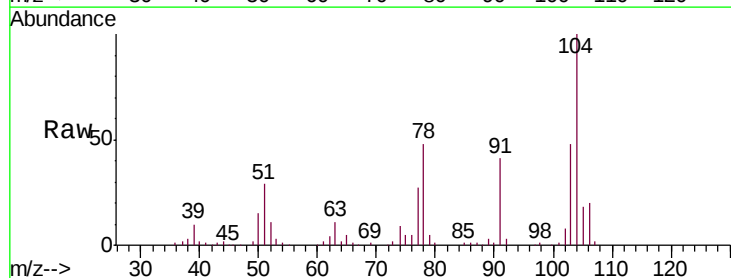
Acq: 28 Feb 2020 16:10

Tgt Ion:104 Resp: 53502

Ion Ratio Lower Upper

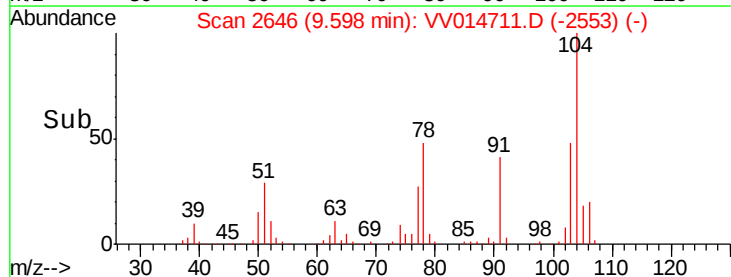
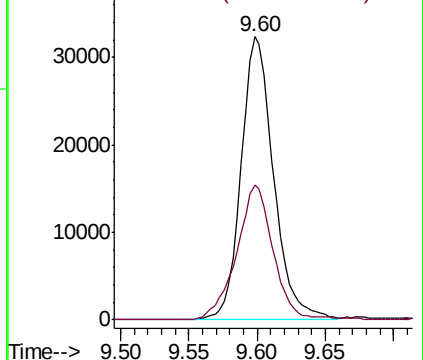
104 100

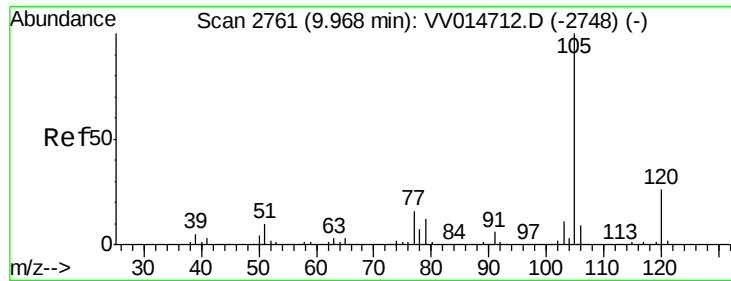
78 47.9 31.3 58.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.943 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

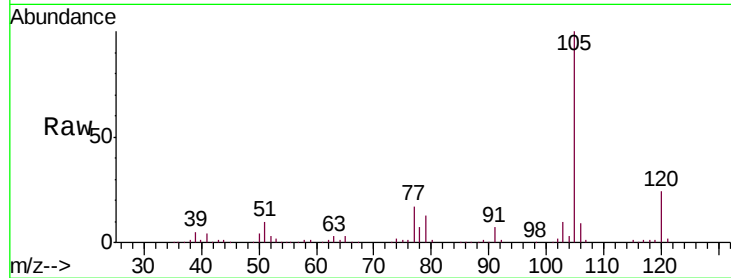
Tgt Ion: 105 Resp: 88435

Ion Ratio Lower Upper

105 100

120 25.4 20.6 31.0

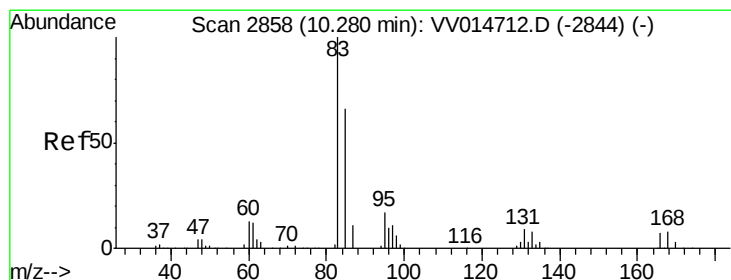
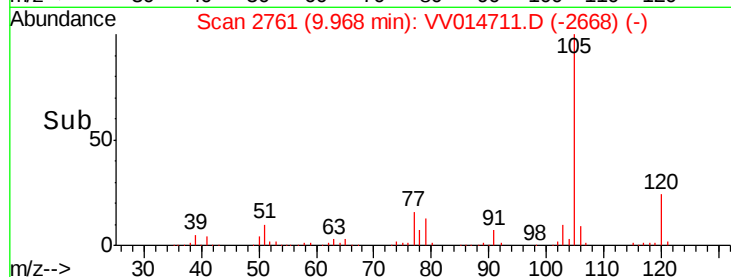
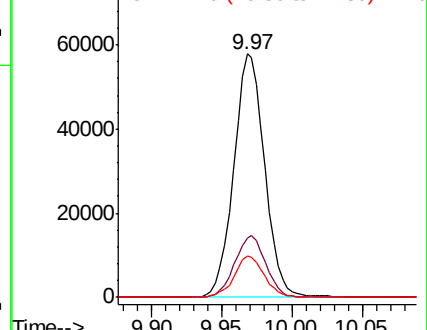
77 16.6 12.6 18.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.073 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

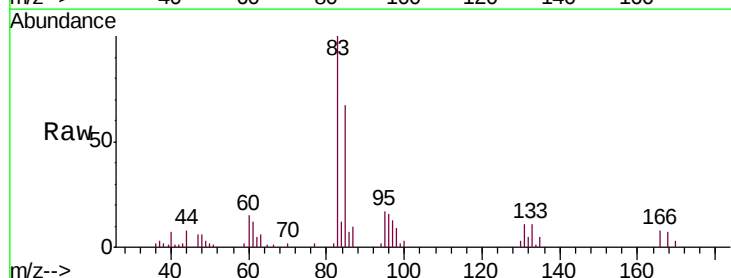
Tgt Ion: 83 Resp: 16669

Ion Ratio Lower Upper

83 100

85 66.9 46.1 85.7

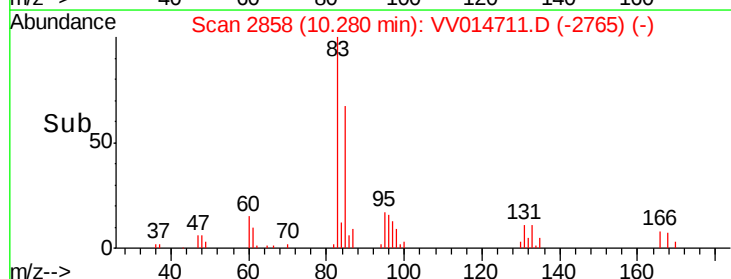
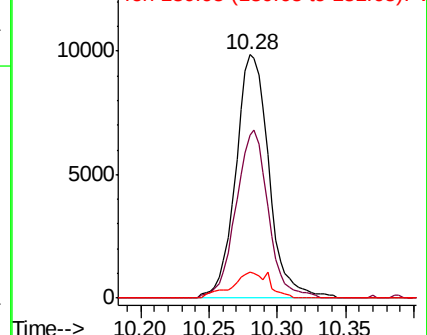
131 10.6 7.4 11.2

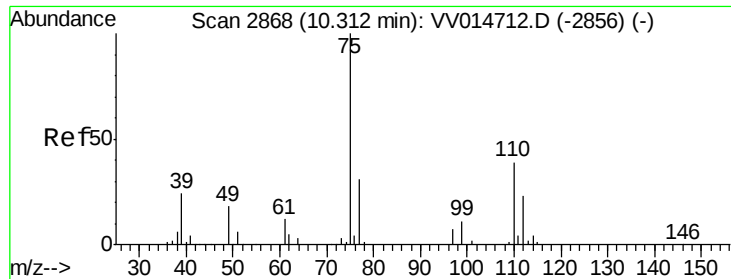


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.029 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

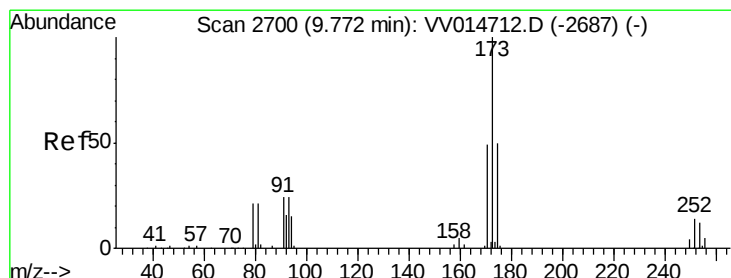
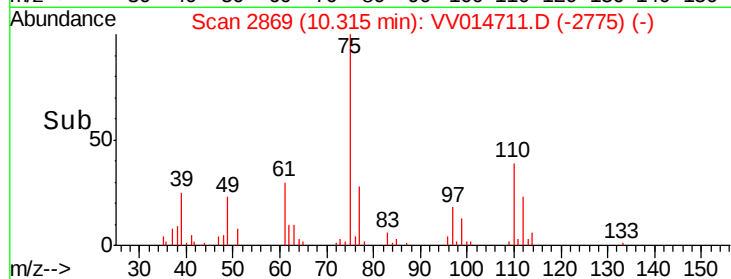
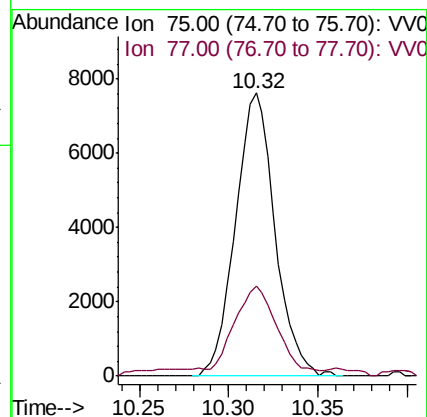
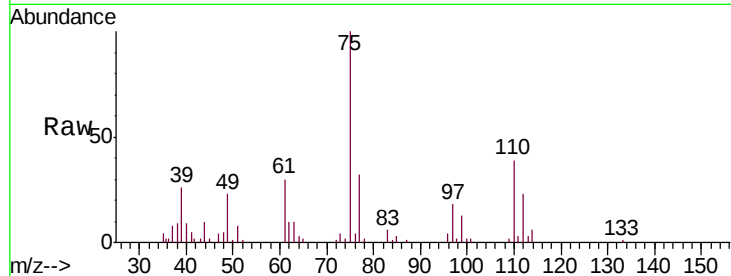
VSTD00133

Tgt Ion: 75 Resp: 11744

Ion Ratio Lower Upper

75 100

77 35.5 26.3 39.5



#61

Bromoform

Concen: 0.844 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

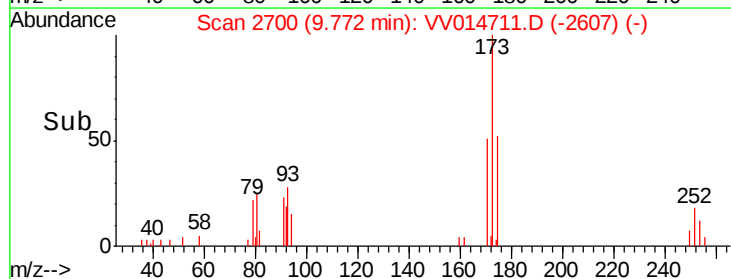
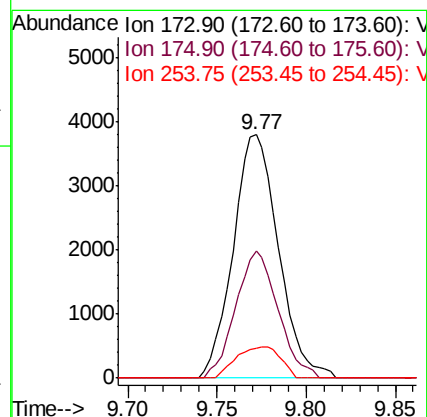
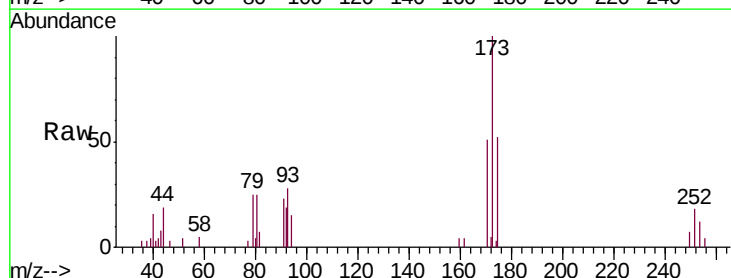
Tgt Ion: 173 Resp: 6724

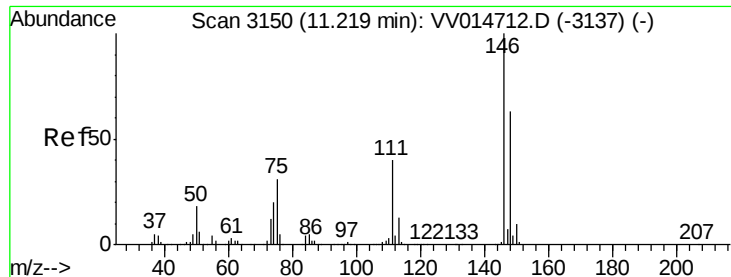
Ion Ratio Lower Upper

173 100

175 48.7 38.6 57.8

254 12.6 9.4 14.0





#62

1,3-Dichlorobenzene

Concen: 0.979 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

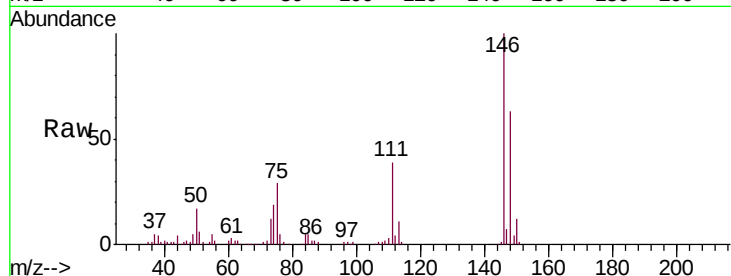
Tgt Ion:146 Resp: 42625

Ion Ratio Lower Upper

146 100

111 39.2 28.2 52.4

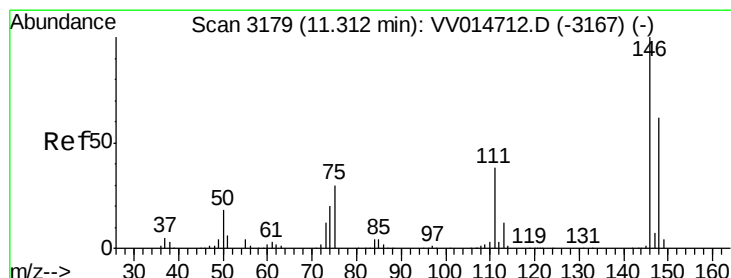
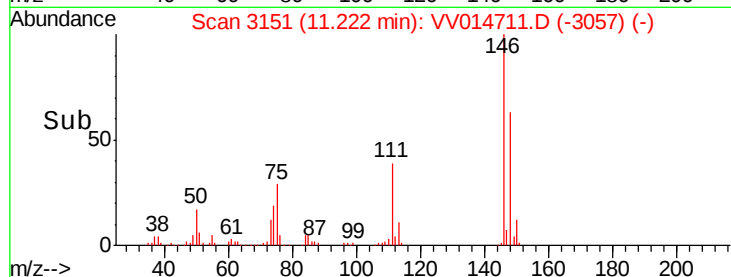
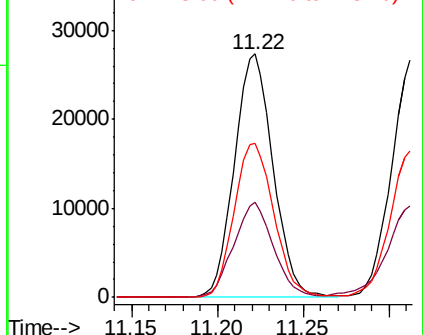
148 63.3 43.9 81.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.997 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

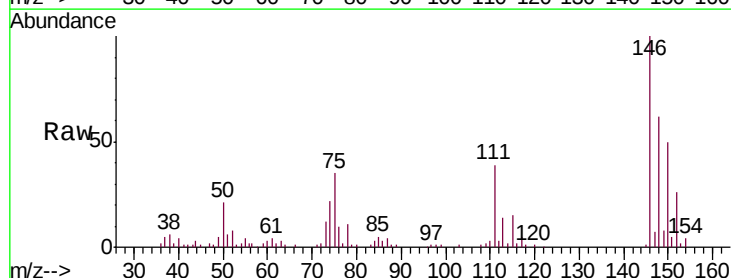
Tgt Ion:146 Resp: 43238

Ion Ratio Lower Upper

146 100

111 38.7 26.9 49.9

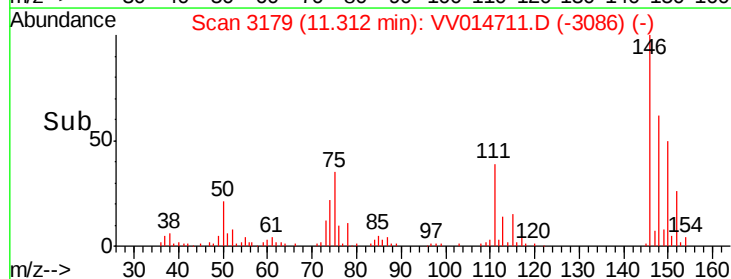
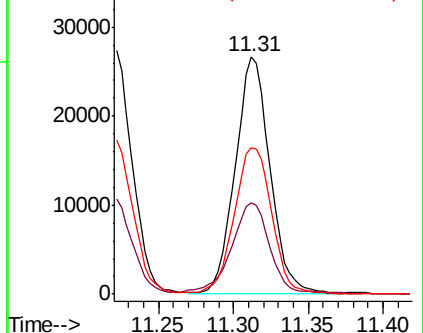
148 61.9 43.8 81.4

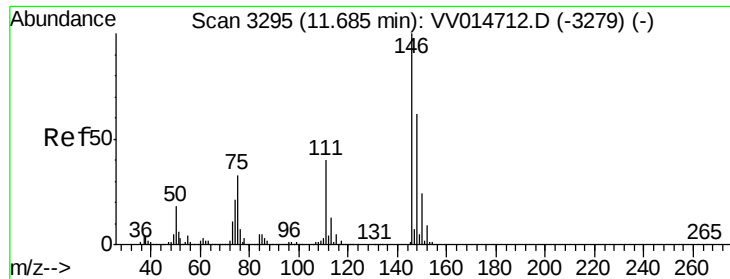


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

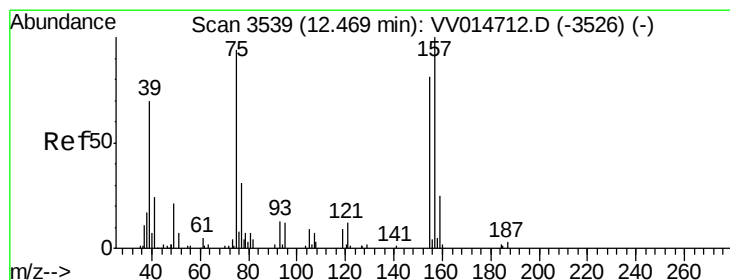
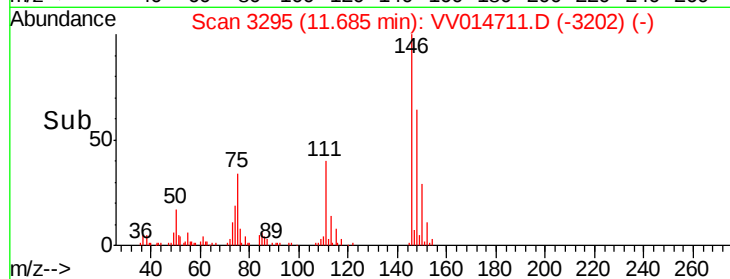
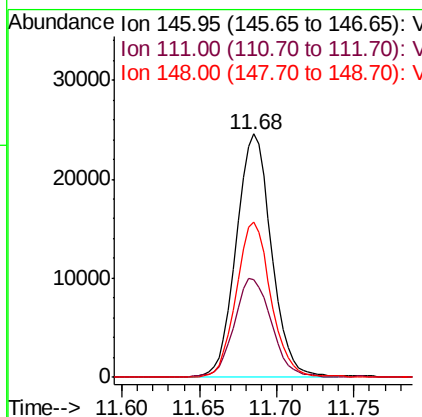
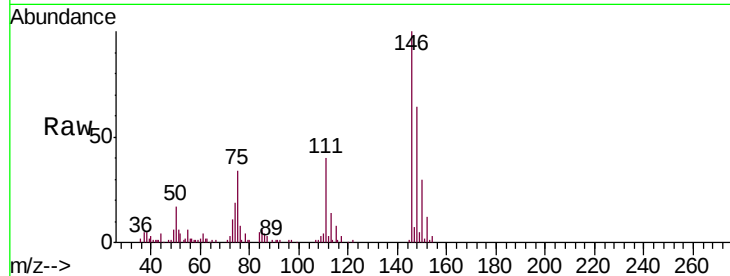




#65
 1,2-Dichlorobenzene
 Concen: 0.991 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

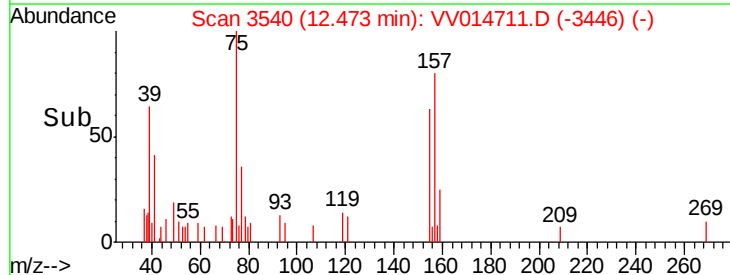
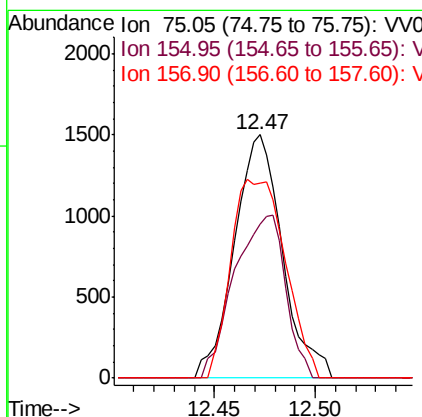
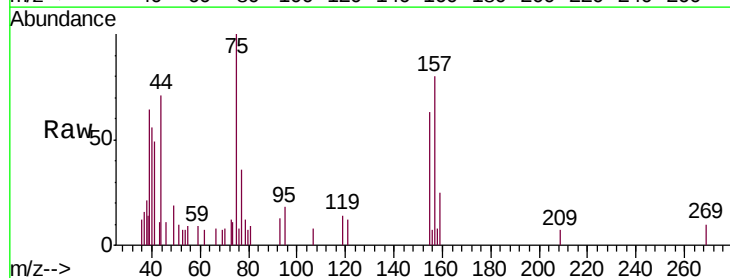
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

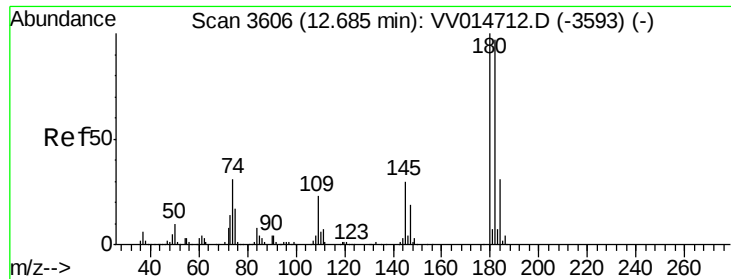
Tgt Ion: 146 Resp: 38940
 Ion Ratio Lower Upper
 146 100
 111 40.2 31.8 47.8
 148 63.6 49.8 74.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.829 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion: 75 Resp: 2499
 Ion Ratio Lower Upper
 75 100
 155 63.1 68.3 102.5#
 157 80.2 84.7 127.1#

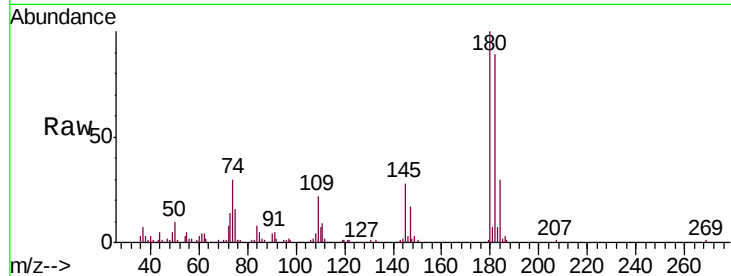




#67
 1,3,5-Trichlorobenzene
 Concen: 1.046 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00133

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	77.2	115.8
184	31.3	24.2	36.2
145	28.9	22.9	34.3



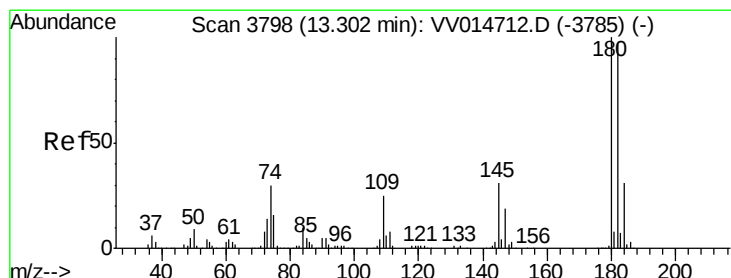
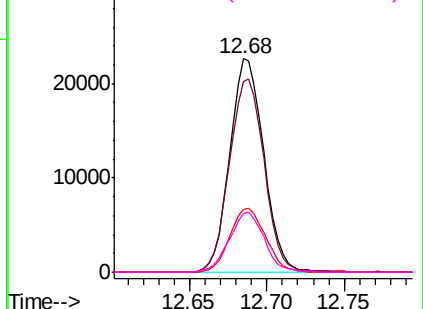
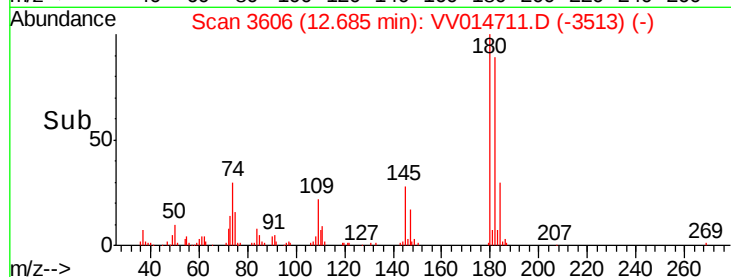
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

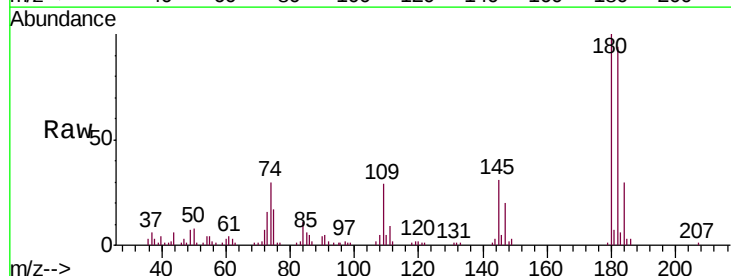
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.035 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. 0.00 min
 Lab File: VV014711.D
 Acq: 28 Feb 2020 16:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	77.4	116.2
145	31.1	24.2	36.2

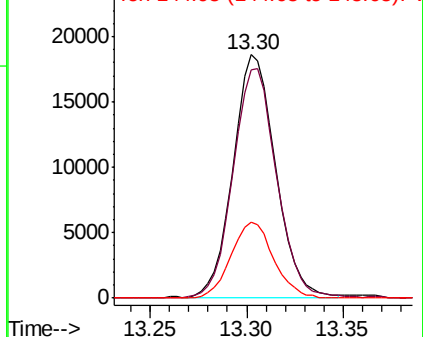
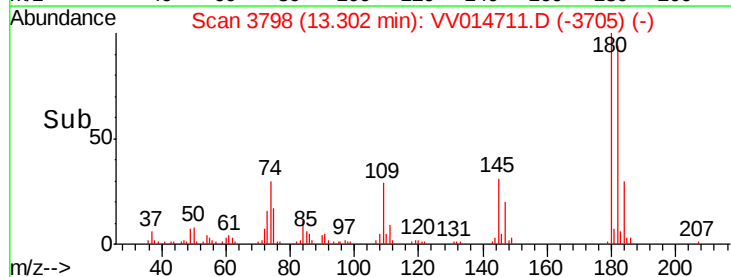


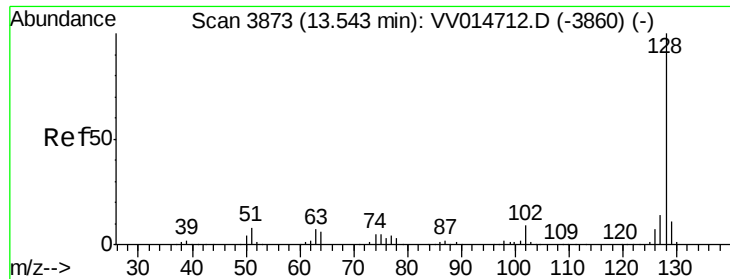
Abundance

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: 0.933 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

Instrument :

MSVOA_V

ClientSampleId :

VSTD00133

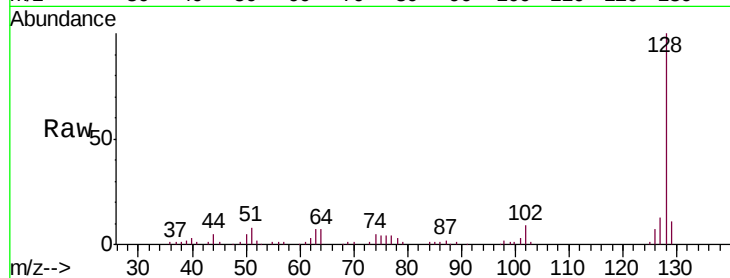
Tgt Ion:128 Resp: 44723

Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

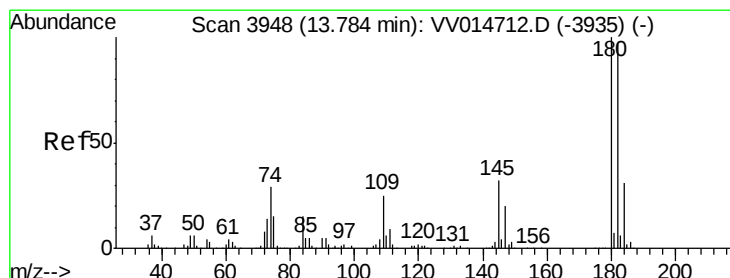
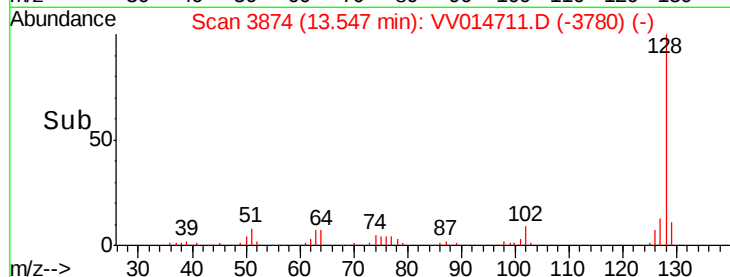
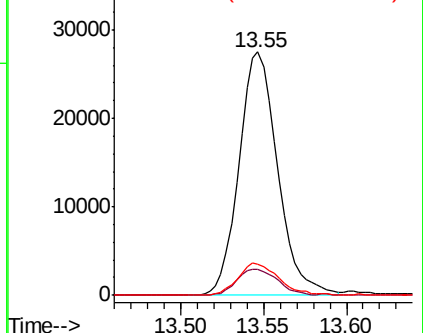
127 13.8 10.7 16.1



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: 1.071 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014711.D

Acq: 28 Feb 2020 16:10

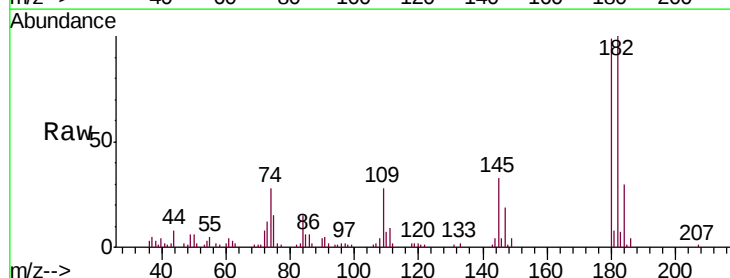
Tgt Ion:180 Resp: 25792

Ion Ratio Lower Upper

180 100

182 99.0 76.7 115.1

145 32.9 25.3 37.9



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

