

Data File : VV011821.D
Acq On : 03 Jul 2019 09:44
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Jul 03 23:51:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:28:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	187347	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	180633	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	85429	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58345	4.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.60%
7) Chloroethane-d5	1.58	69	39955	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.40%
11) 1,1-Dichloroethene-d2	2.13	63	118141	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.94	46	154614	49.66	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.32%
24) Chloroform-d	4.40	84	120584	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.08	65	61967	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
32) Benzene-d6	5.10	84	228549	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.12	67	71110	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	210006	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	7.66	79	25401	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
46) 2-Hexanone-d5	8.13	63	118577	49.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.52%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49221	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	72353	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	92052	5.148	ug/L 99
3) Chloromethane	1.25	50	90553	5.092	ug/L 98
5) Vinyl chloride	1.32	62	85055	5.084	ug/L 96
6) Bromomethane	1.53	94	42664	4.864	ug/L 99
8) Chloroethane	1.60	64	43458	4.551	ug/L 99
9) Trichlorofluoromethane	1.77	101	118780	5.395	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	65518	5.338	ug/L 99
12) 1,1-Dichloroethene	2.14	96	59345	5.235	ug/L 91
13) Acetone	2.20	43	110469	51.803	ug/L 99
14) Carbon disulfide	2.32	76	159816	5.244	ug/L 99
15) Methyl Acetate	2.46	43	26808	4.523	ug/L 98
16) Methylene chloride	2.53	84	62493	4.611	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	154308	5.226	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	68128	5.308	ug/L 98
19) 1,1-Dichloroethane	3.23	63	131896	5.187	ug/L 99
21) 2-Butanone	4.03	43	183657	52.728	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	73151	5.340	ug/L 99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Jul 03 23:51:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:28:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	29147	5.121	ug/L	98
25) Chloroform	4.42	83	136849	5.021	ug/L	99
27) 1,2-Dichloroethane	5.18	62	87661	5.207	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	112980	5.329	ug/L	99
30) Cyclohexane	4.72	56	118758	5.248	ug/L	98
31) Carbon tetrachloride	4.87	117	99741	5.485	ug/L	99
33) Benzene	5.14	78	289508	5.384	ug/L	100
34) Trichloroethene	5.96	95	75434	5.391	ug/L	97
35) Methylcyclohexane	6.17	83	123405	5.390	ug/L	99
37) 1,2-Dichloropropane	6.22	63	72681	5.278	ug/L	98
38) Bromodichloromethane	6.55	83	85661	5.335	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	100269	5.459	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	447826	52.522	ug/L	98
42) Toluene	7.43	91	309659	5.451	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	77472	5.466	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	46493	5.262	ug/L	98
47) Tetrachloroethene	8.02	164	59249	5.381	ug/L	96
48) 2-Hexanone	8.18	43	321520	53.418	ug/L	99
49) Dibromochloromethane	8.29	129	51327	5.472	ug/L	99
50) 1,2-Dibromoethane	8.40	107	43409	5.290	ug/L	97
51) Chlorobenzene	8.92	112	191282	5.332	ug/L	97
52) Ethylbenzene	9.05	91	339266	5.372	ug/L	99
53) m,p-xylene	9.18	106	126892	5.494	ug/L	94
54) o-xylene	9.59	106	122981	5.526	ug/L	97
55) Styrene	9.60	104	204868	5.518	ug/L	96
56) Isopropylbenzene	9.97	105	329038	5.464	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	55093	5.092	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	40703	5.108	ug/L	98
61) Bromoform	9.77	173	24692	5.418	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	141017	5.337	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	144216	5.343	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	132114	5.293	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	7814	4.935	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	108816	5.321	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	86319	5.228	ug/L	99
69) Naphthalene	13.55	128	131895	5.016	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	79441	5.191	ug/L	99

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

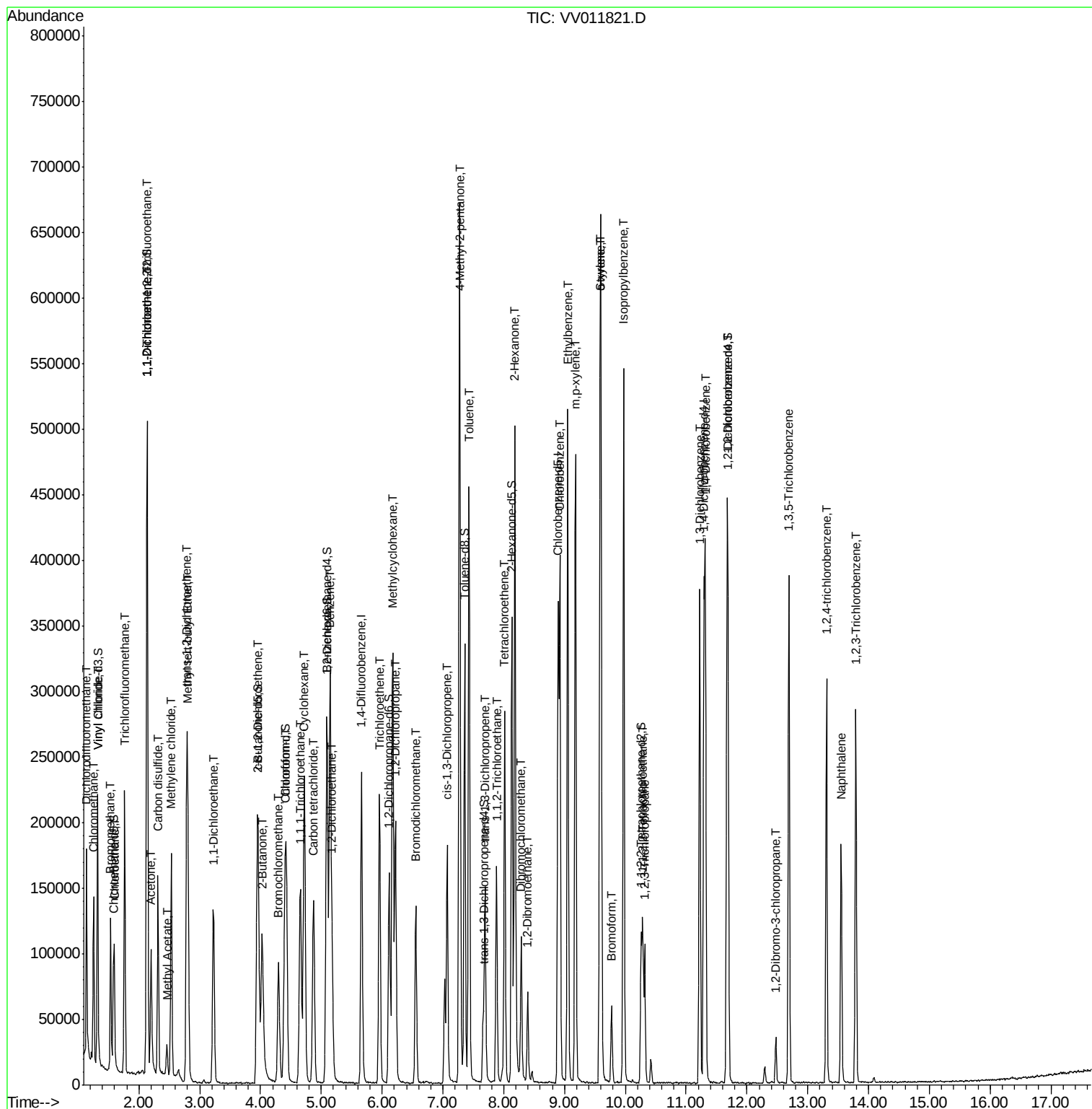
Quant Time: Jul 03 23:51:47 2019

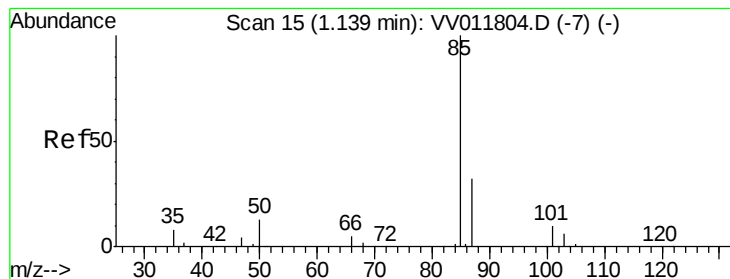
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR070219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Wed Jul 03 08:28:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.148 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

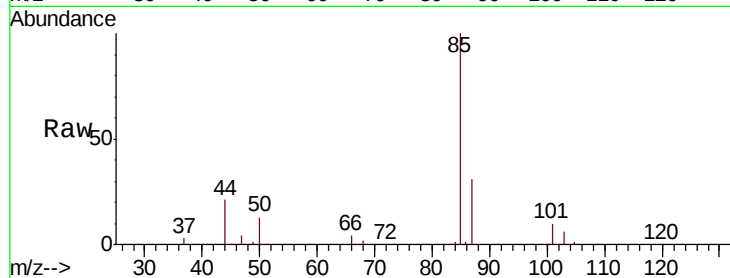
VSTD00556

Tgt Ion: 85 Resp: 92052

Ion Ratio Lower Upper

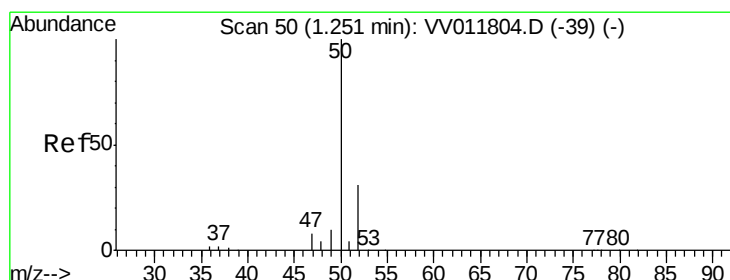
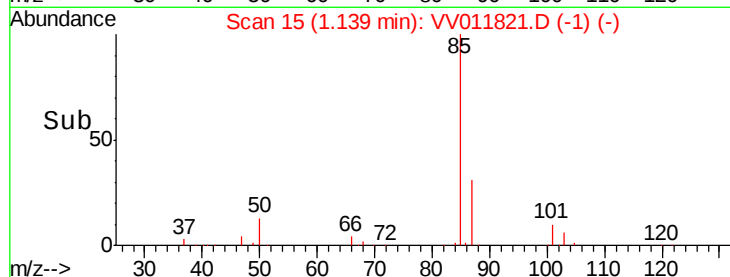
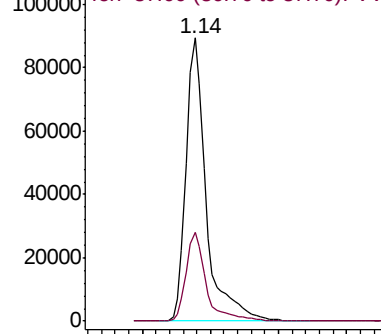
85 100

87 31.2 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.092 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011821.D

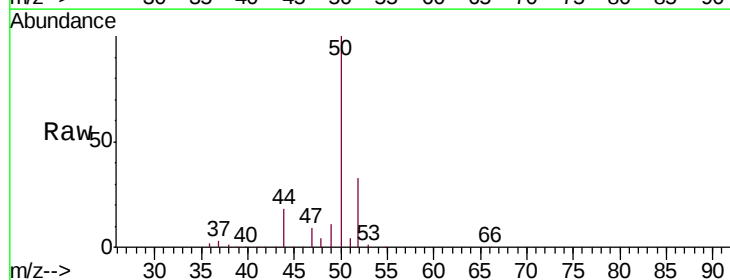
Acq: 03 Jul 2019 09:44

Tgt Ion: 50 Resp: 90553

Ion Ratio Lower Upper

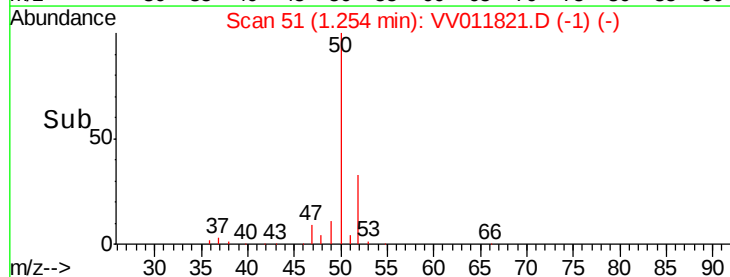
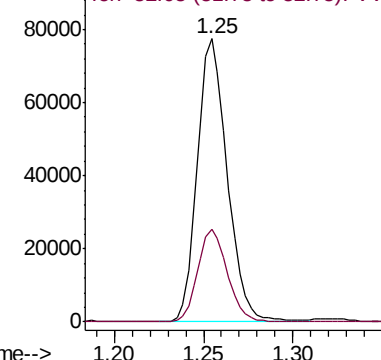
50 100

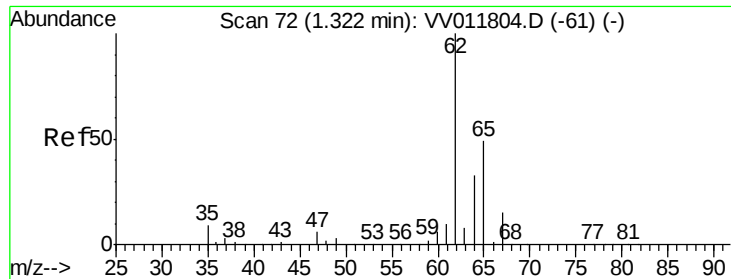
52 32.7 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.084 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

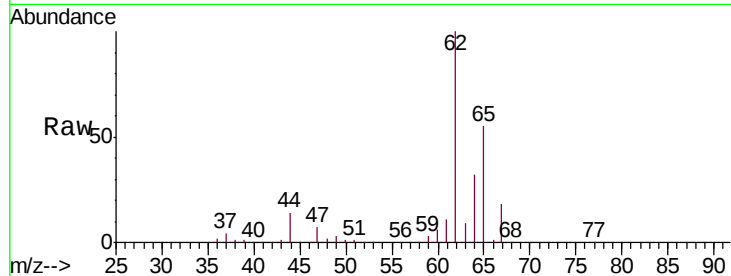
VSTD00556

Tgt Ion: 62 Resp: 85055

Ion Ratio Lower Upper

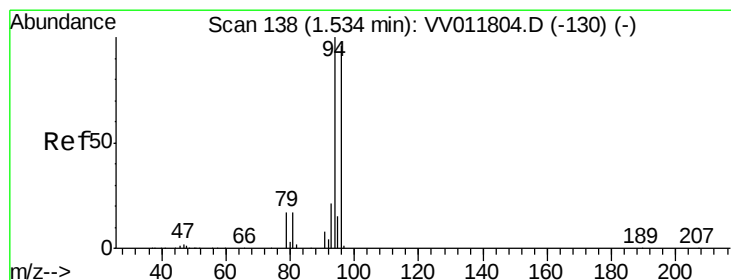
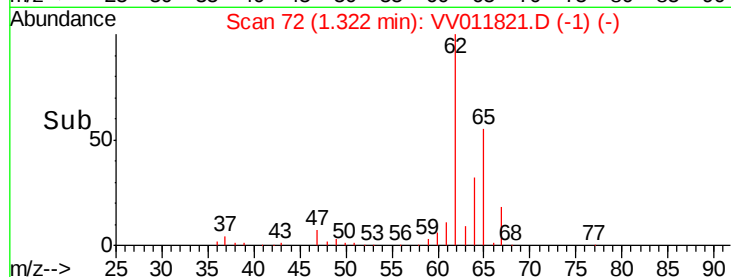
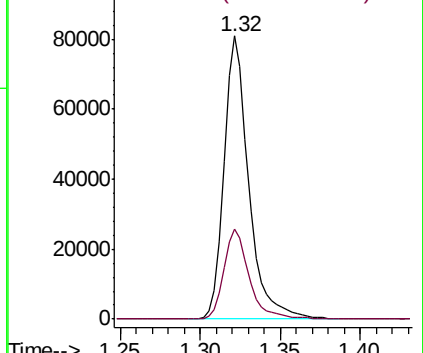
62 100

64 31.7 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.864 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011821.D

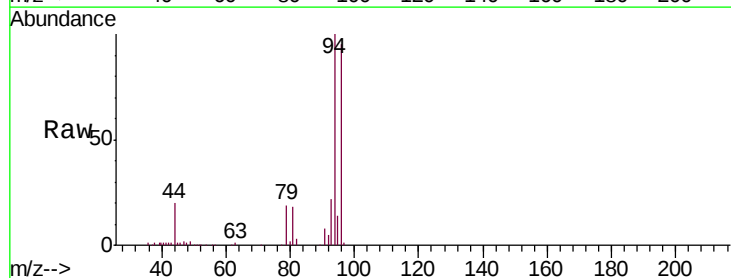
Acq: 03 Jul 2019 09:44

Tgt Ion: 94 Resp: 42664

Ion Ratio Lower Upper

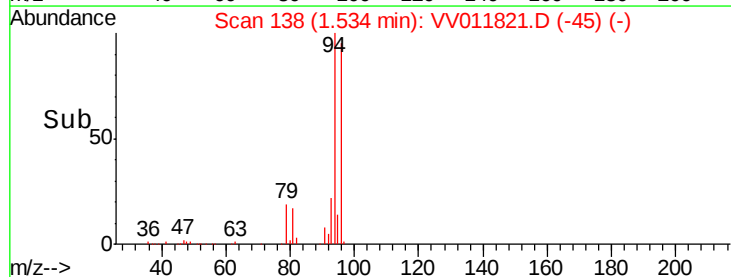
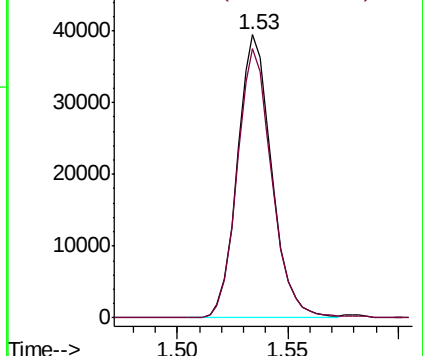
94 100

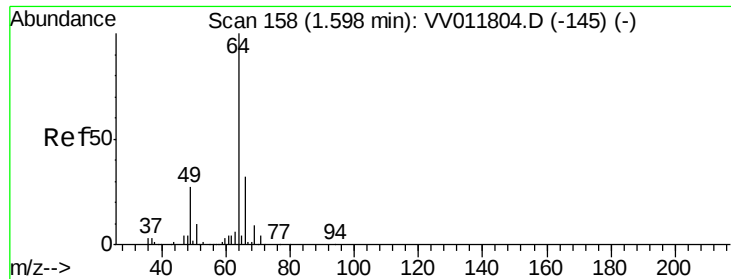
96 94.9 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.551 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

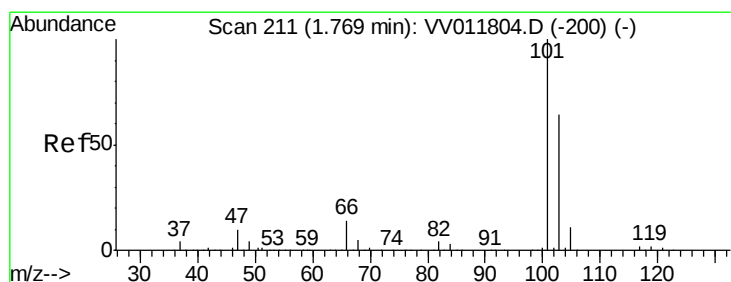
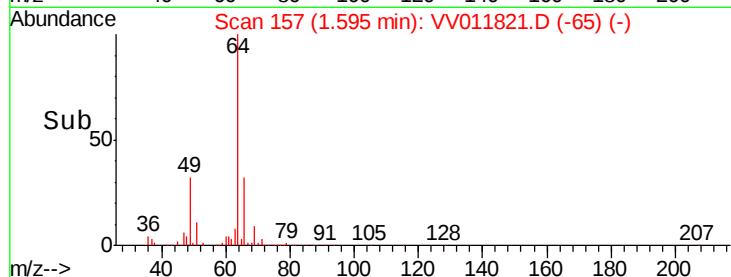
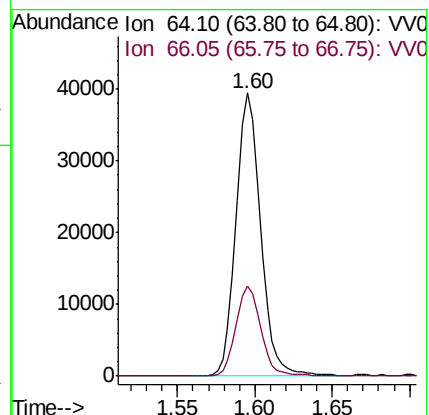
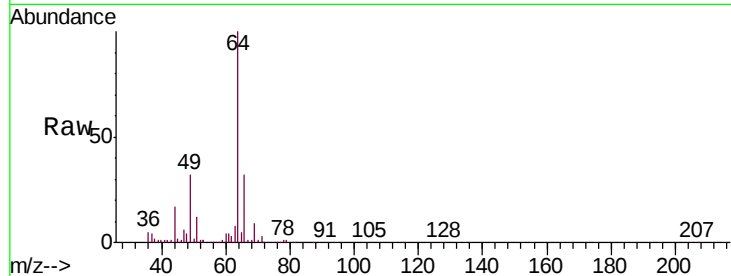
VSTD00556

Tgt Ion: 64 Resp: 43458

Ion Ratio Lower Upper

64 100

66 31.8 21.8 40.6



#9

Trichlorofluoromethane

Concen: 5.395 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV011821.D

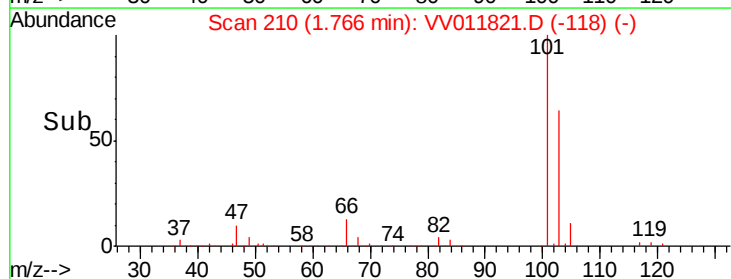
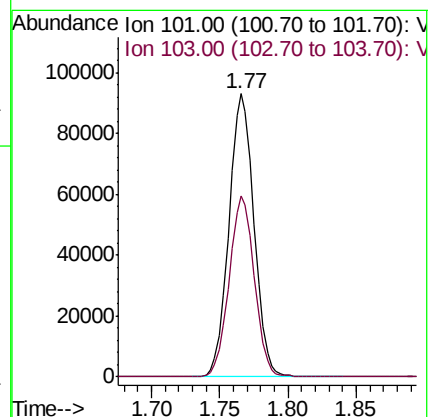
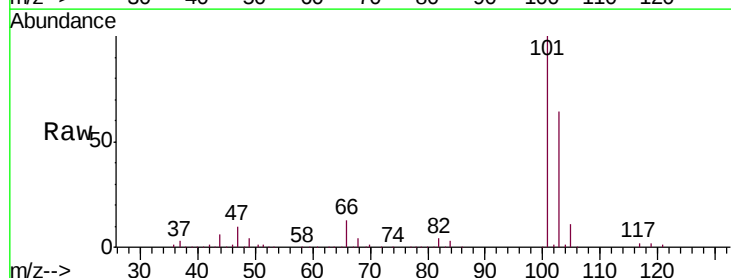
Acq: 03 Jul 2019 09:44

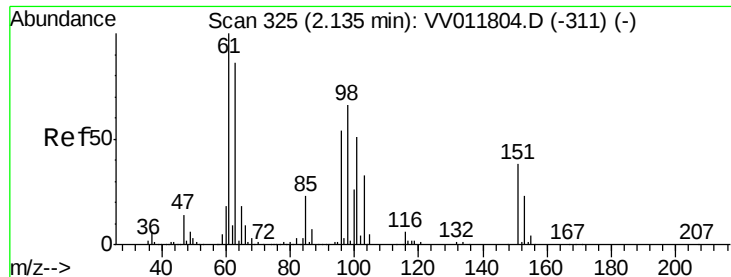
Tgt Ion: 101 Resp: 118780

Ion Ratio Lower Upper

101 100

103 64.4 52.0 78.0





#10

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

Concen: 5.338 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

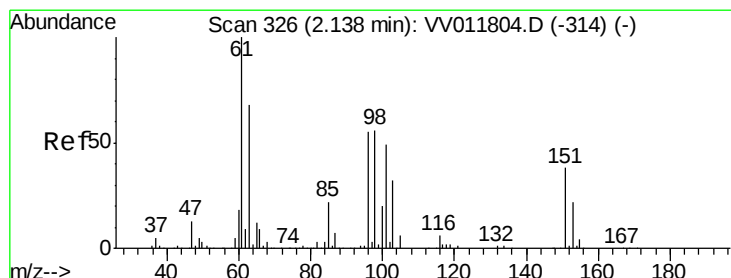
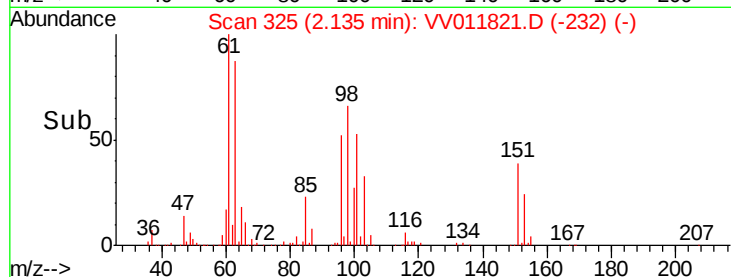
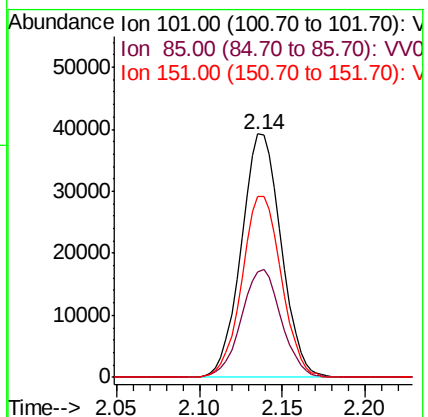
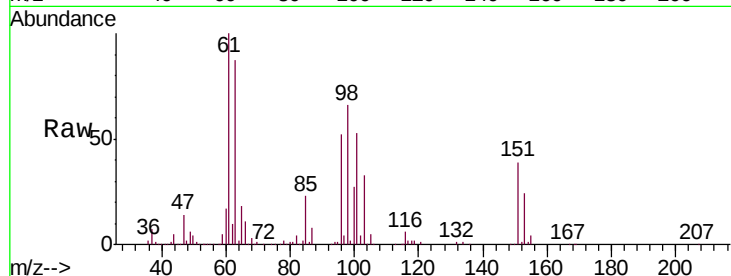
Tgt Ion: 101 Resp: 65518

Ion Ratio Lower Upper

101 100

85 44.4 34.8 52.2

151 73.6 58.2 87.4



#12

1,1-Dichloroethene

Concen: 5.235 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

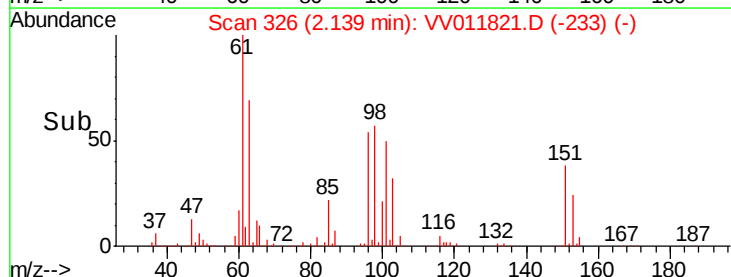
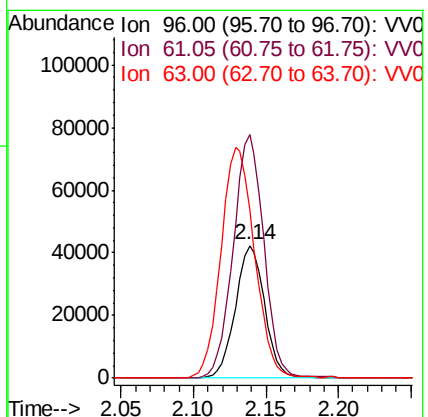
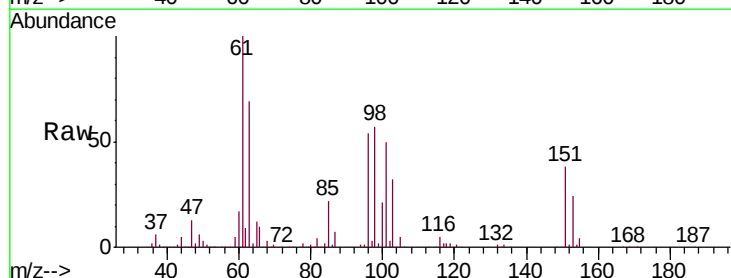
Tgt Ion: 96 Resp: 59345

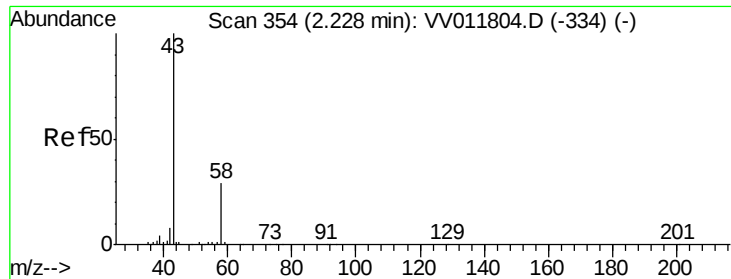
Ion Ratio Lower Upper

96 100

61 183.6 137.1 254.5

63 126.6 96.5 179.1





#13

Acetone

Concen: 51.803 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.03 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

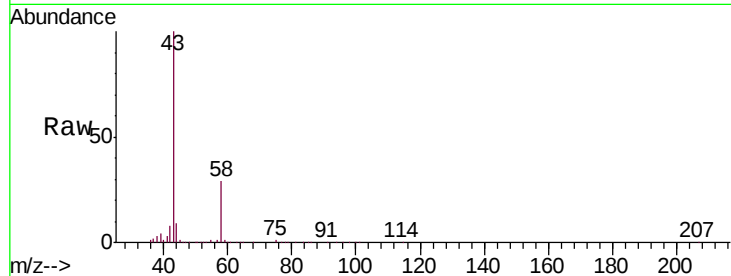
VSTD00556

Tgt Ion: 43 Resp: 110469

Ion Ratio Lower Upper

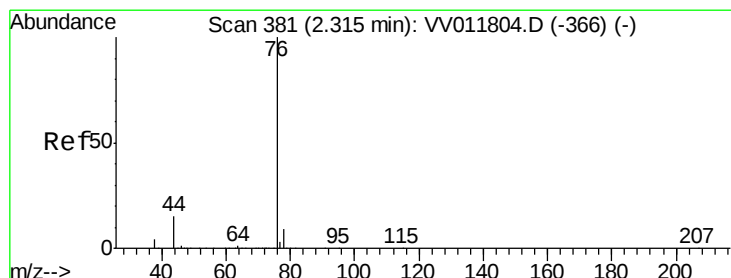
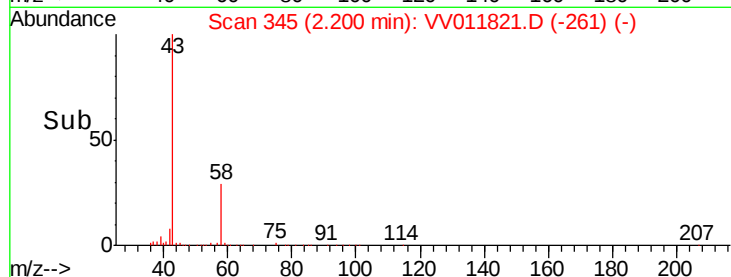
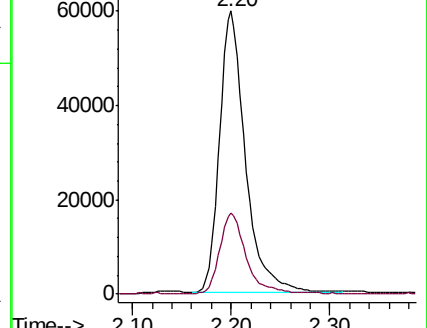
43 100

58 29.7 0.0 58.0



Abundance Ion 43.05 (42.75 to 43.75): VV011804.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011804.D (-334) (-)



#14

Carbon disulfide

Concen: 5.244 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV011821.D

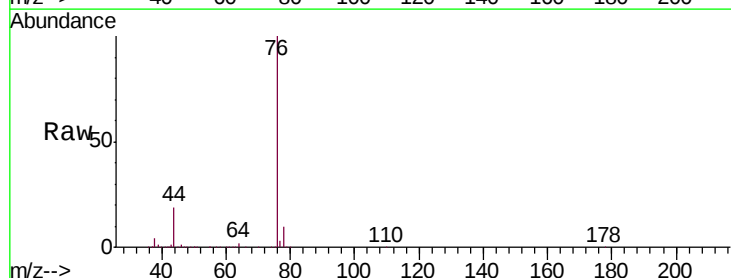
Acq: 03 Jul 2019 09:44

Tgt Ion: 76 Resp: 159816

Ion Ratio Lower Upper

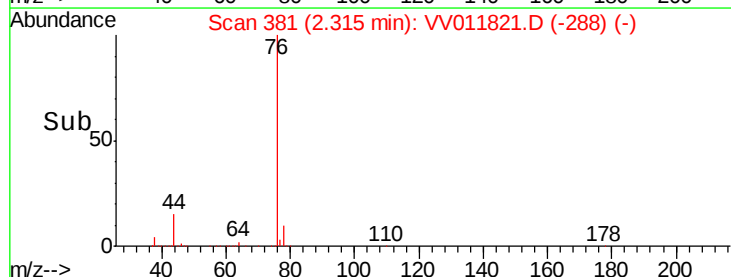
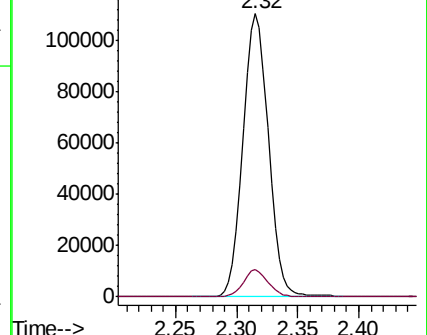
76 100

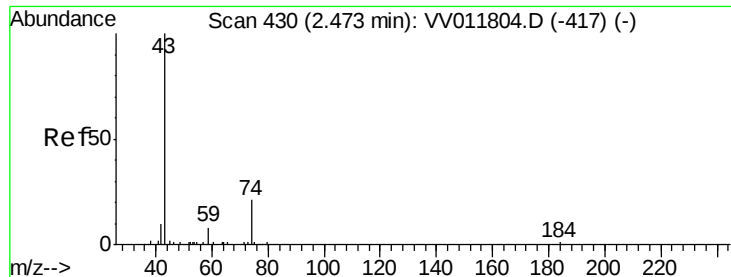
78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV011804.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV011804.D (-366) (-)





#15

Methyl Acetate

Concen: 4.523 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.01 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

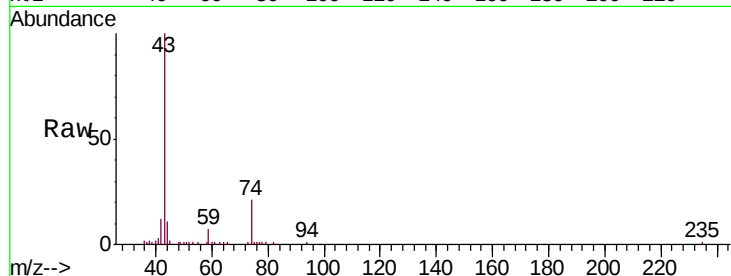
VSTD00556

Tgt Ion: 43 Resp: 26808

Ion Ratio Lower Upper

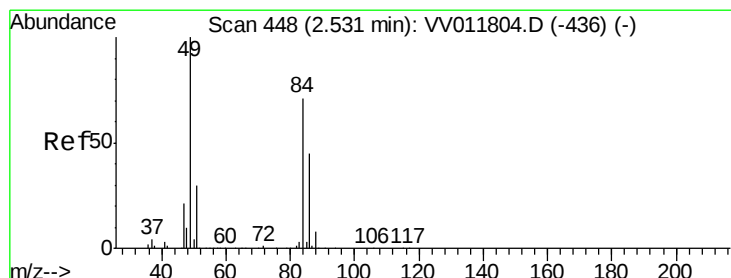
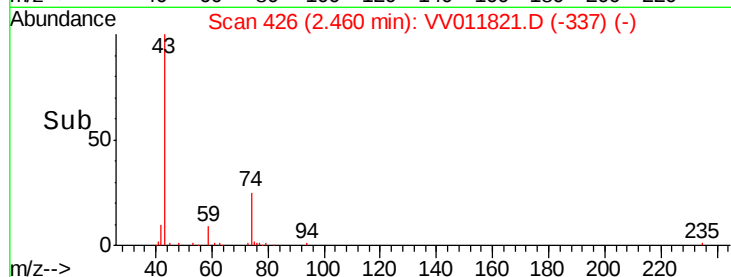
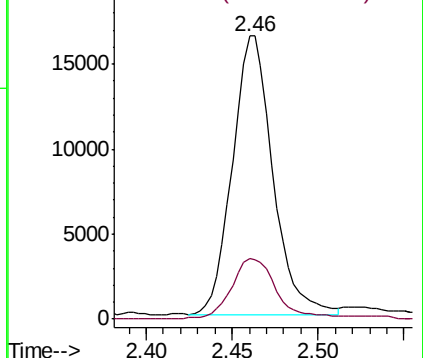
43 100

74 24.4 20.2 30.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.611 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

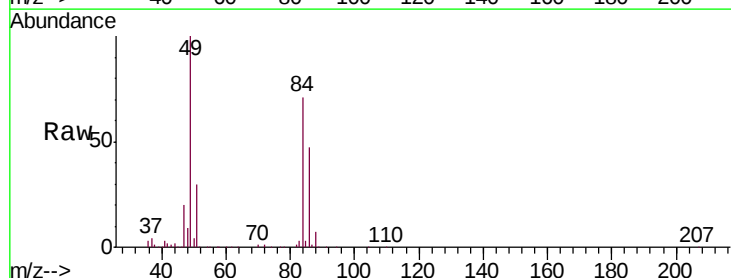
Tgt Ion: 84 Resp: 62493

Ion Ratio Lower Upper

84 100

86 66.5 44.5 82.7

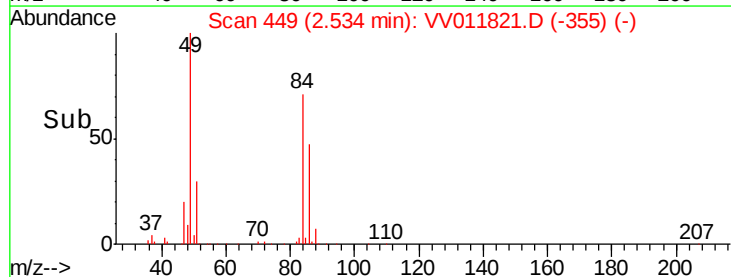
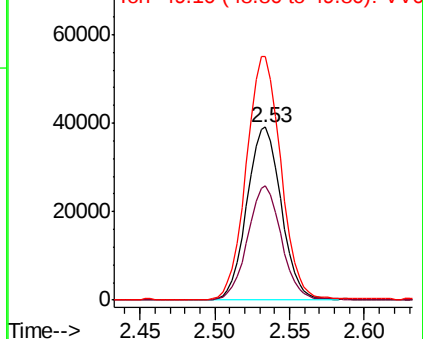
49 140.8 97.2 180.6

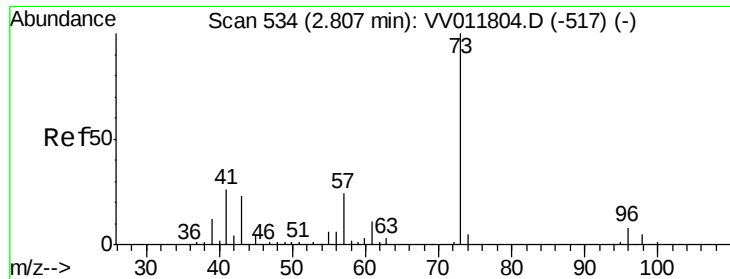


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#17

Methyl tert-butyl Ether

Concen: 5.226 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

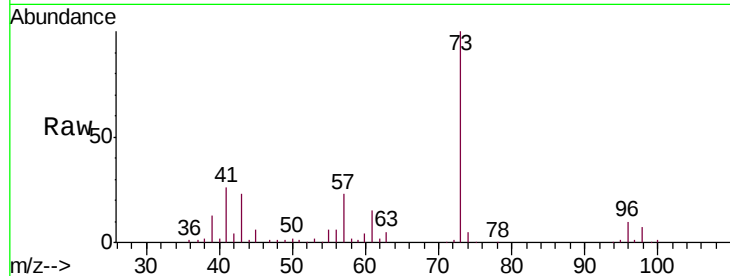
Tgt Ion: 73 Resp: 154308

Ion Ratio Lower Upper

73 100

43 23.4 17.6 26.4

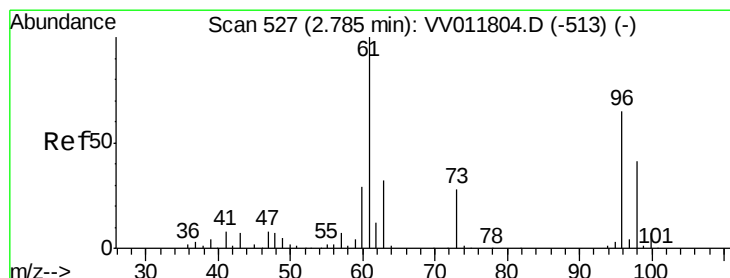
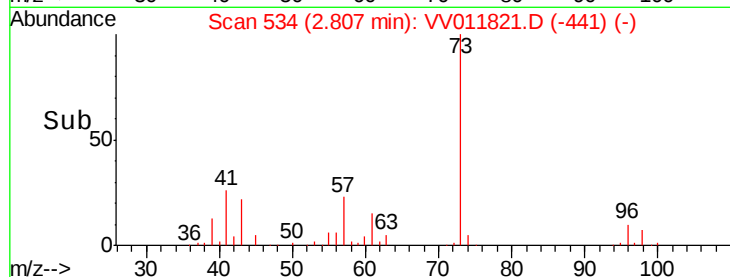
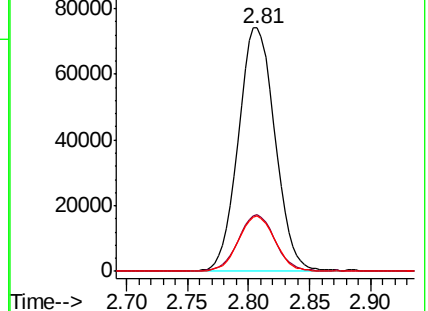
57 22.7 17.8 26.6



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: 5.308 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

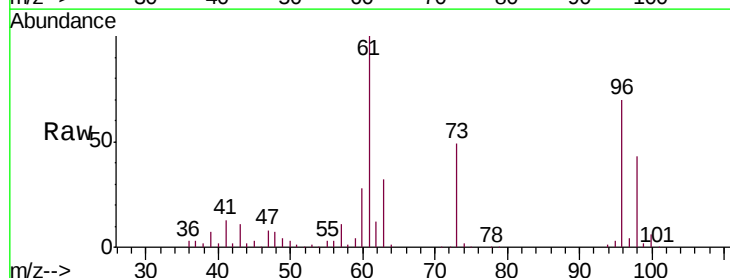
Tgt Ion: 96 Resp: 68128

Ion Ratio Lower Upper

96 100

61 143.5 102.3 189.9

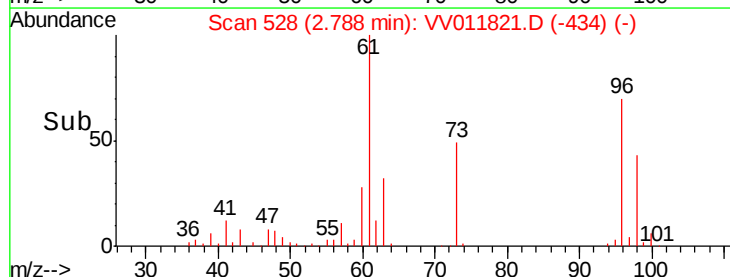
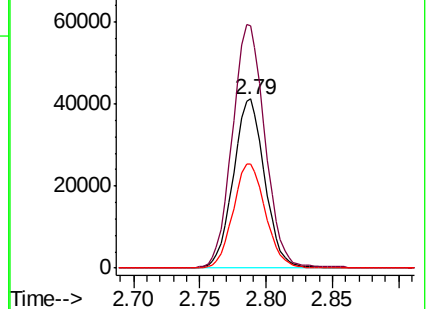
98 61.8 44.2 82.2

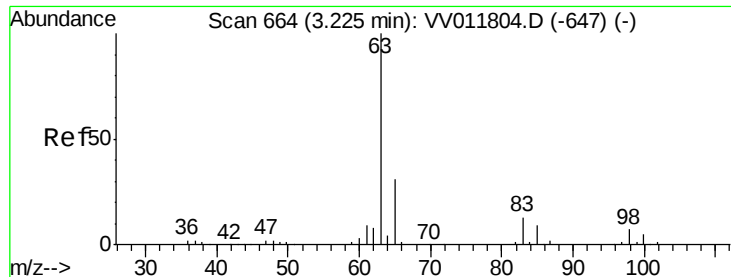


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

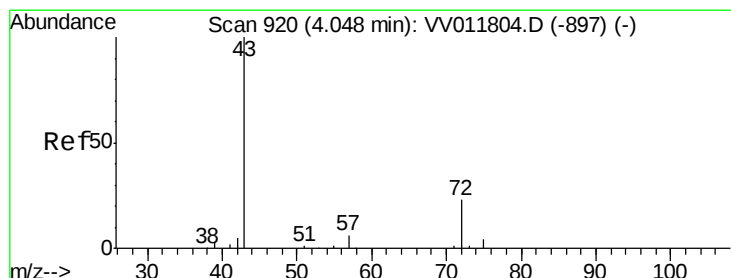
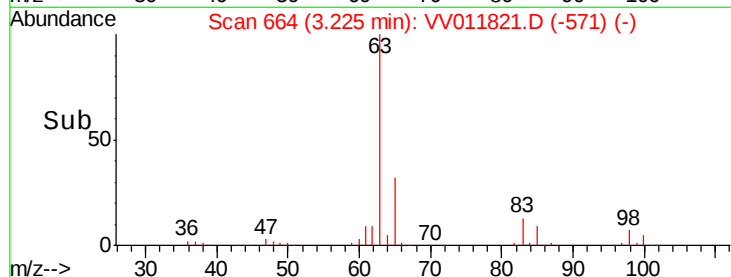
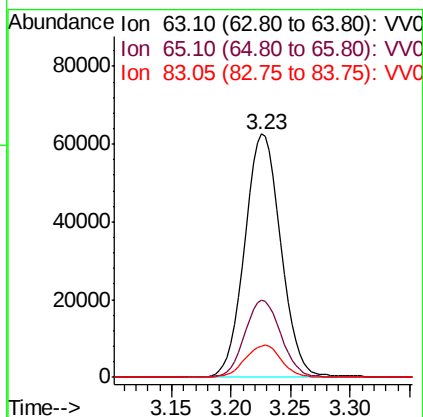
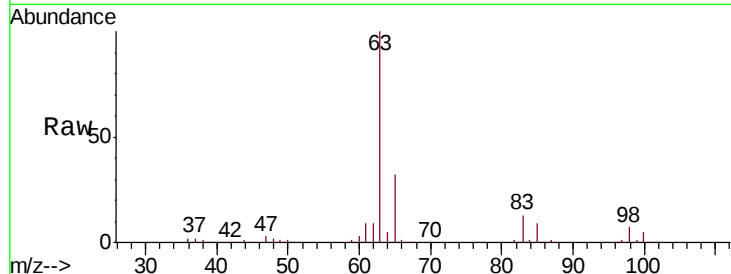




#19
 1,1-Dichloroethane
 Concen: 5.187 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

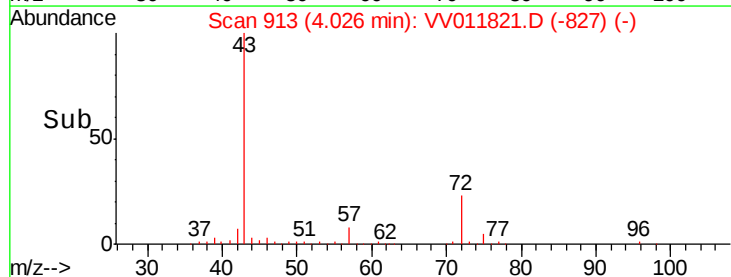
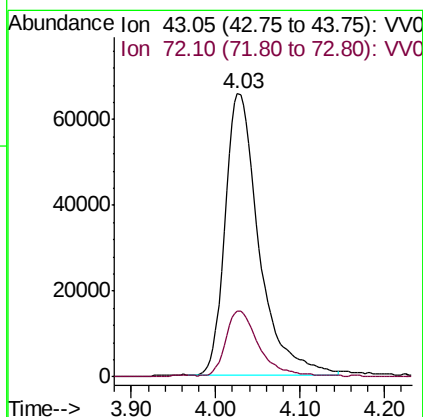
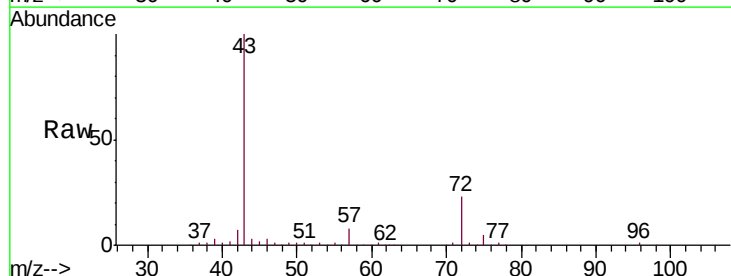
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

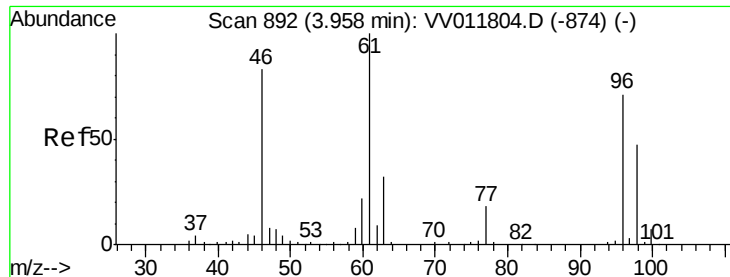
Tgt Ion: 63 Resp: 131896
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.0 41.0
 83 12.9 8.9 16.5



#21
 2-Butanone
 Concen: 52.728 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 43 Resp: 183657
 Ion Ratio Lower Upper
 43 100
 72 22.7 12.1 36.3



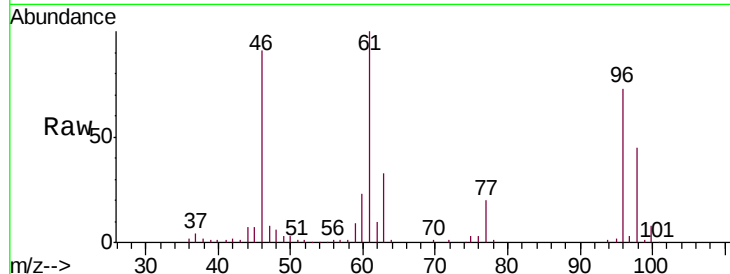


#22

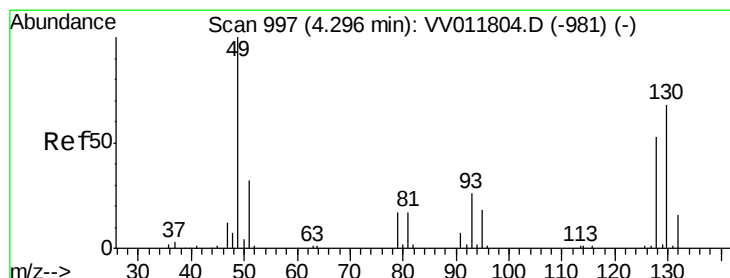
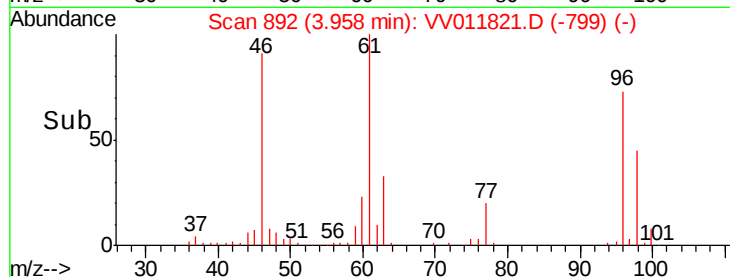
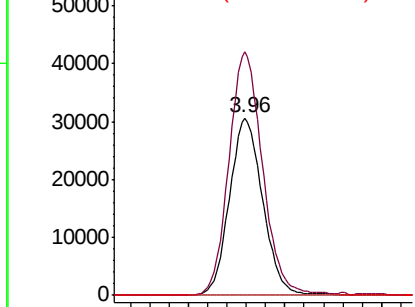
cis-1,2-Dichloroethene
 Concen: 5.340 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00556

Tgt Ion: 96 Resp: 73151
 Ion Ratio Lower Upper
 96 100
 61 137.0 97.1 180.3
 68 0.0 0.0 0.0



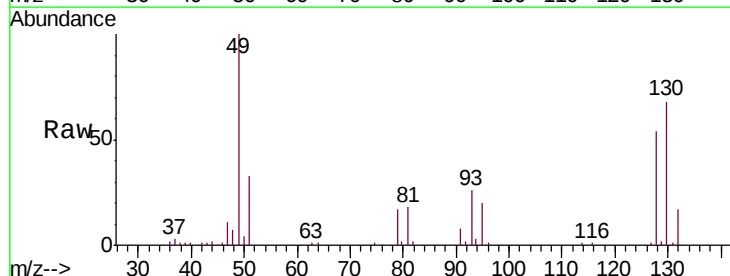
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



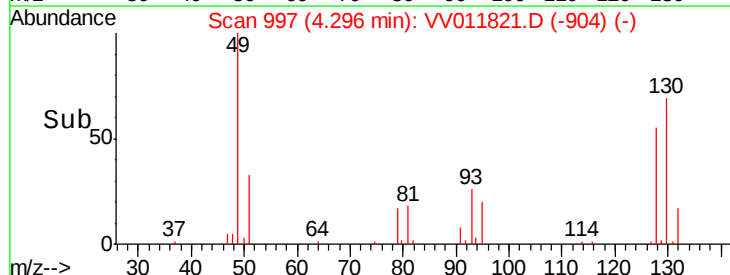
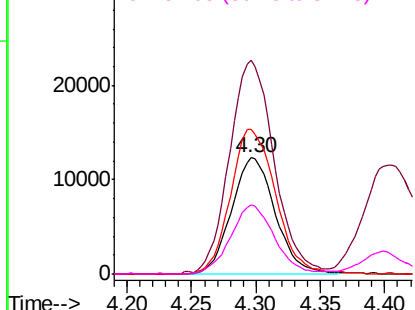
#23

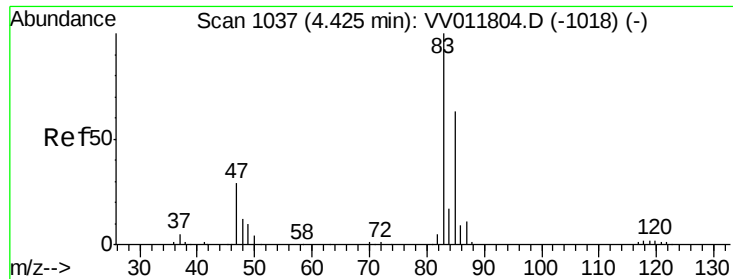
Bromochloromethane
 Concen: 5.121 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 128 Resp: 29147
 Ion Ratio Lower Upper
 128 100
 49 183.9 125.6 233.2
 130 124.8 87.7 162.9
 51 60.0 46.7 70.1



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

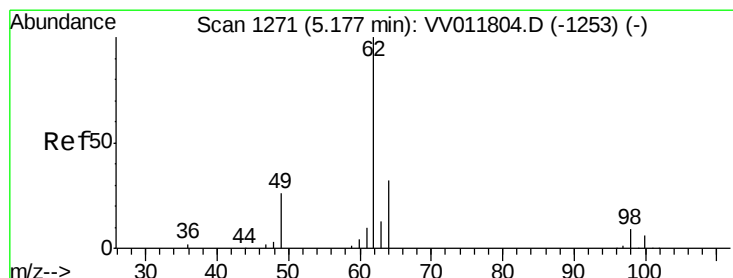
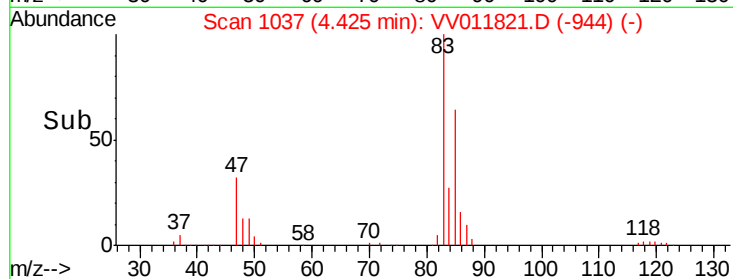
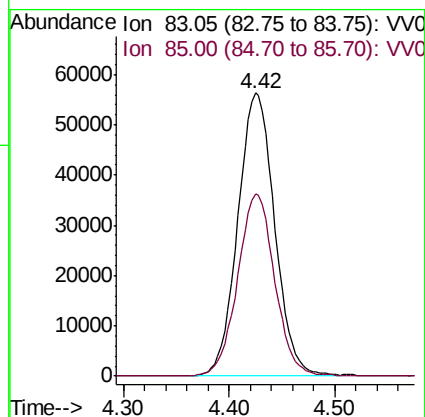
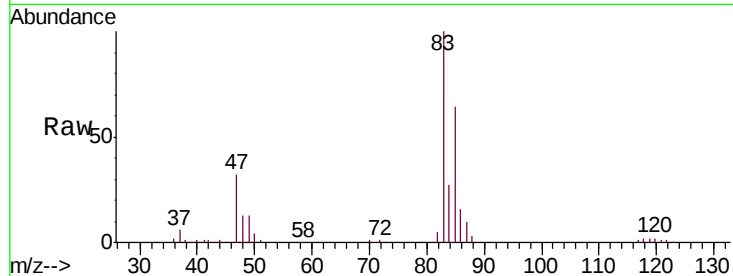




#25
Chloroform
Concen: 5.021 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

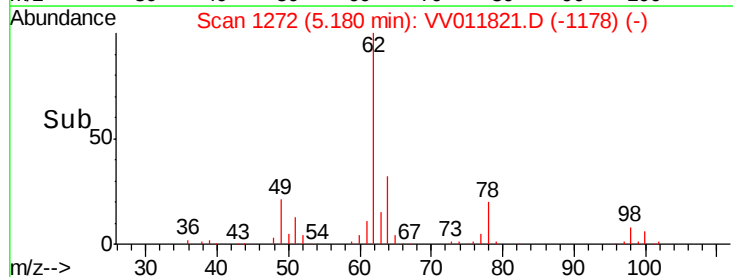
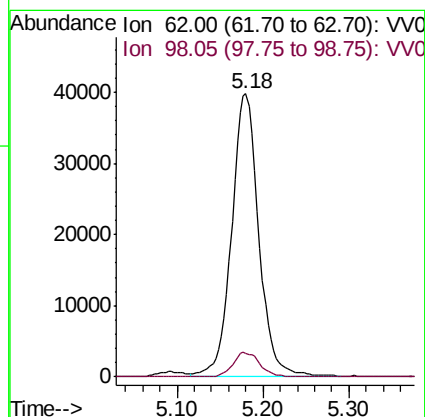
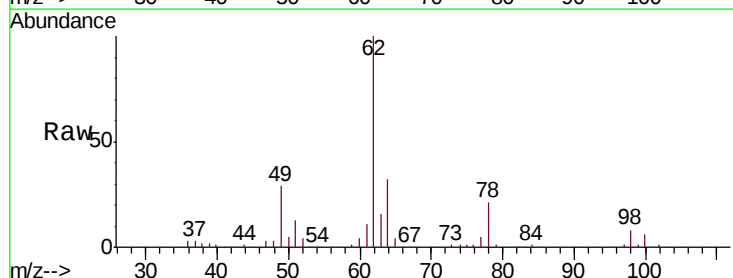
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

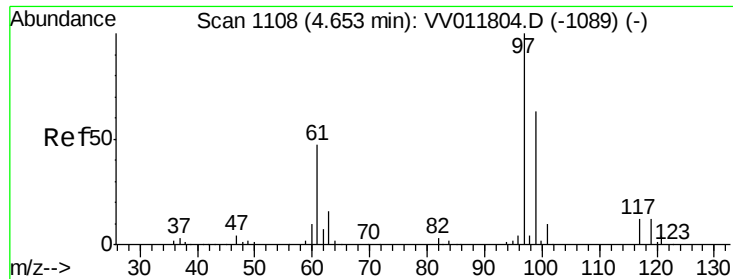
Tgt Ion: 83 Resp: 136849
Ion Ratio Lower Upper
83 100
85 64.5 45.9 85.3



#27
1,2-Dichloroethane
Concen: 5.207 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

Tgt Ion: 62 Resp: 87661
Ion Ratio Lower Upper
62 100
98 8.4 6.6 9.8

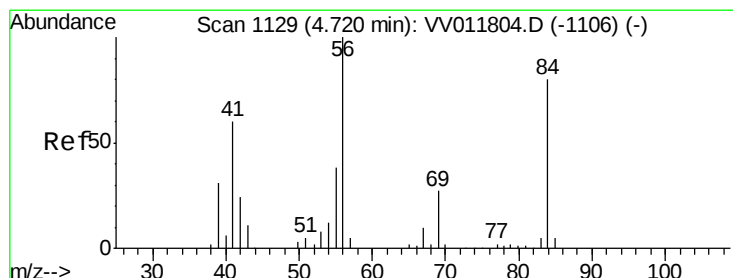
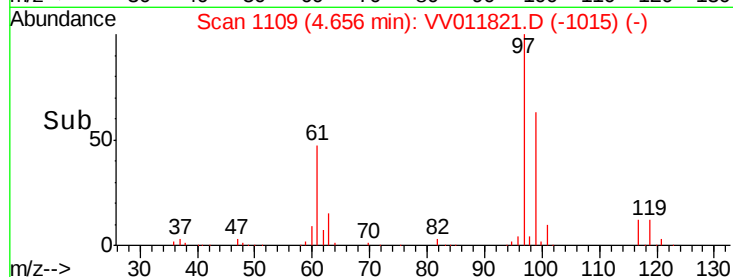
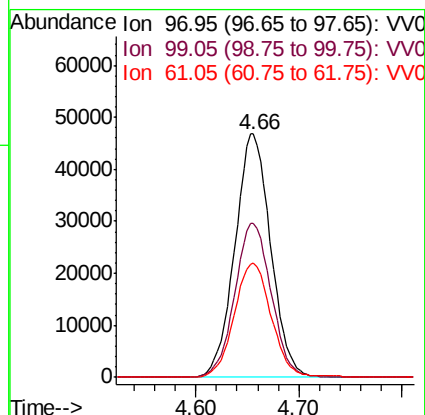
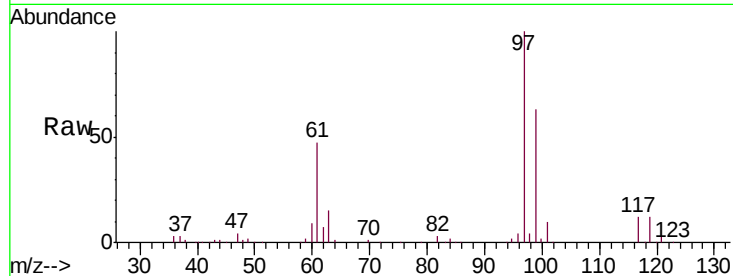




#29
 1,1,1-Trichloroethane
 Concen: 5.329 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

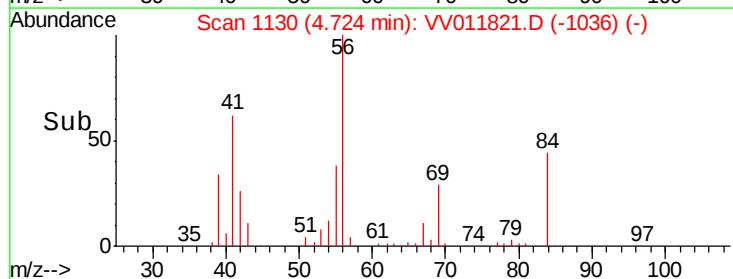
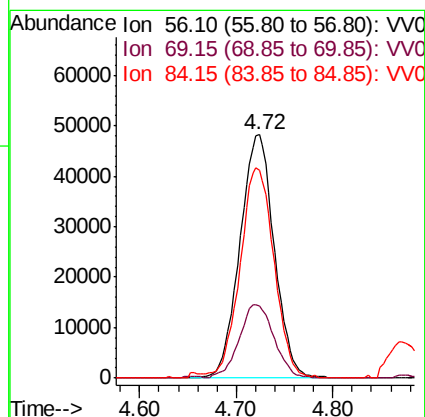
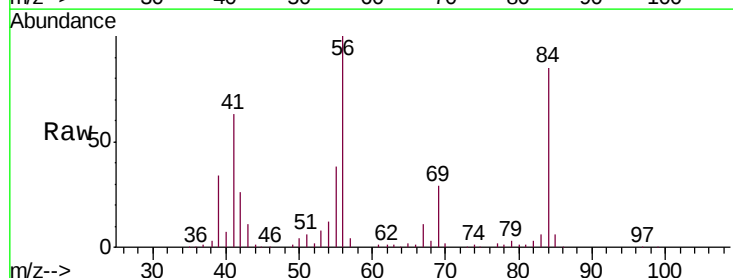
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

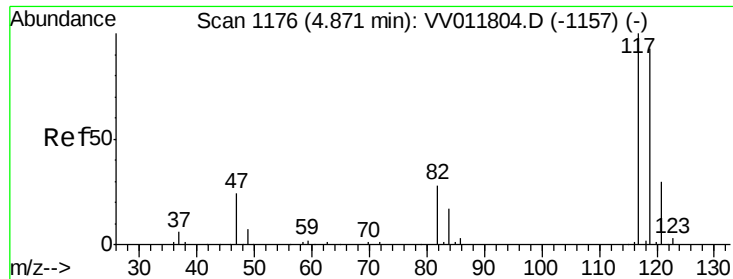
Tgt Ion: 97 Resp: 112980
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.2 78.4
 61 48.3 38.5 57.7



#30
 Cyclohexane
 Concen: 5.248 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 56 Resp: 118758
 Ion Ratio Lower Upper
 56 100
 69 30.8 23.5 35.3
 84 85.9 67.6 101.4





#31

Carbon tetrachloride

Concen: 5.485 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

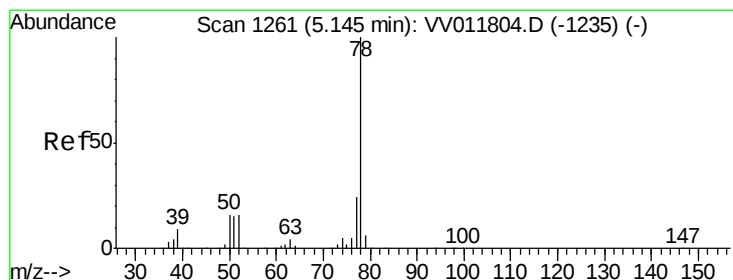
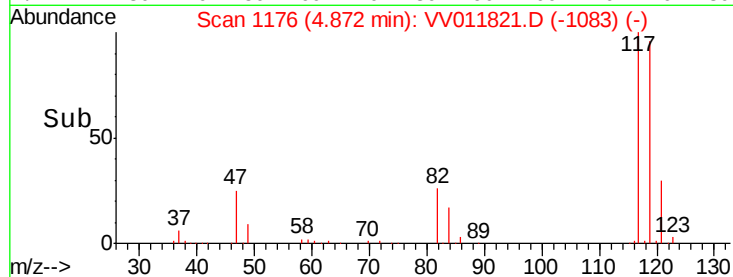
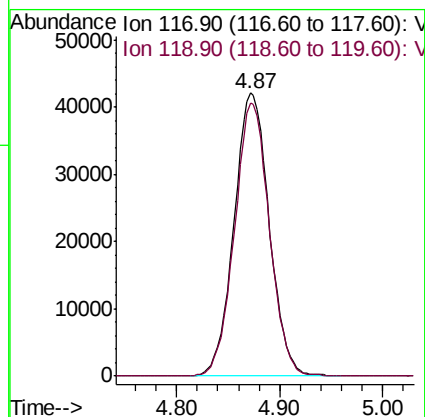
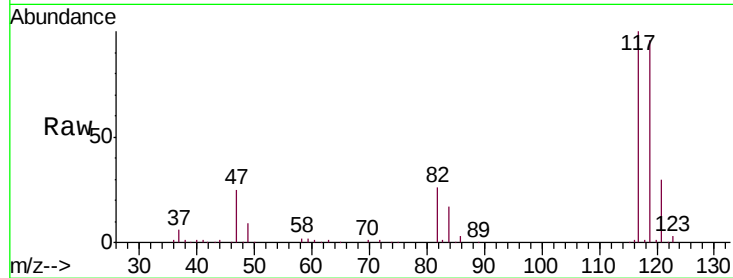
VSTD00556

Tgt Ion:117 Resp: 99741

Ion Ratio Lower Upper

117 100

119 95.6 77.0 115.6



#33

Benzene

Concen: 5.384 ug/L

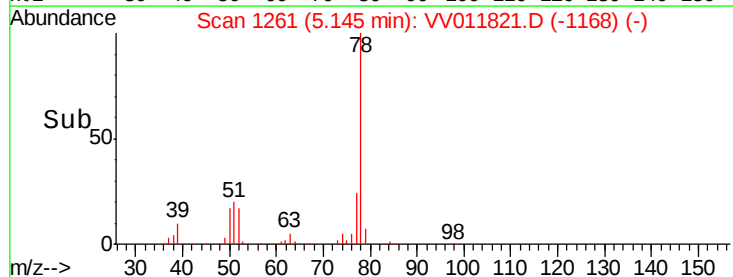
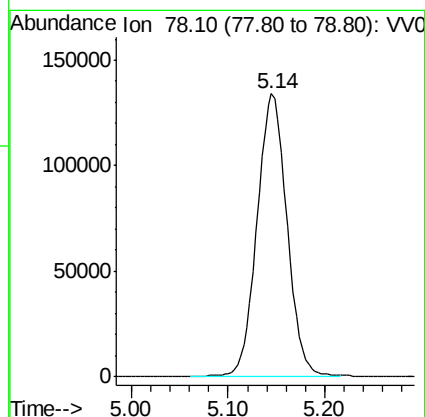
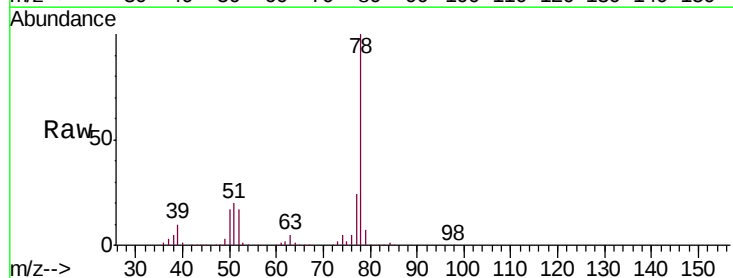
RT: 5.14 min Scan# 1261

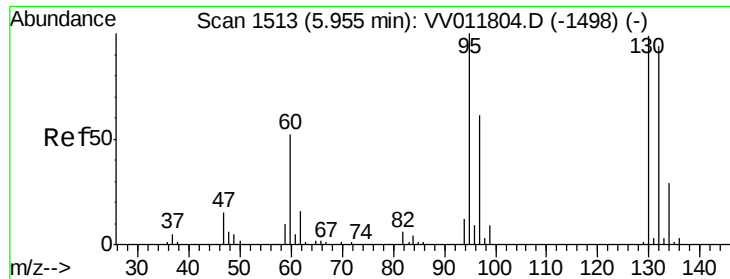
Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Tgt Ion: 78 Resp: 289508





#34

Trichloroethene

Concen: 5.391 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 75434

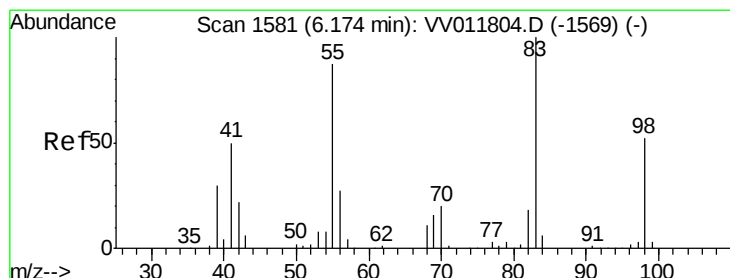
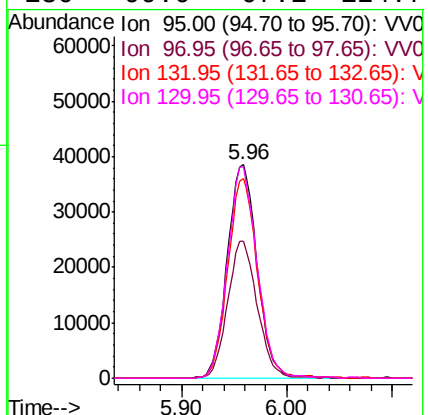
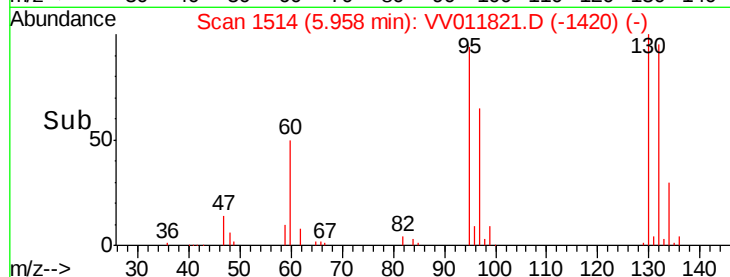
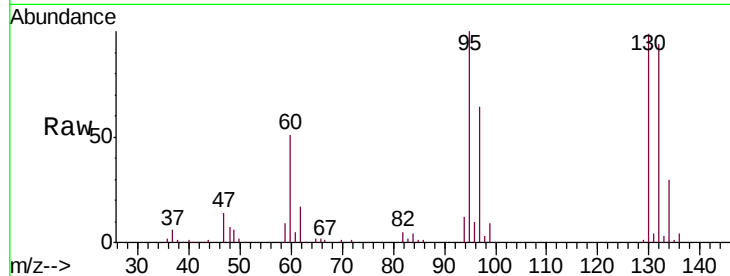
Ion Ratio Lower Upper

95 100

97 64.2 43.7 81.1

132 93.6 63.7 118.3

130 99.0 67.1 124.7



#35

Methylcyclohexane

Concen: 5.390 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

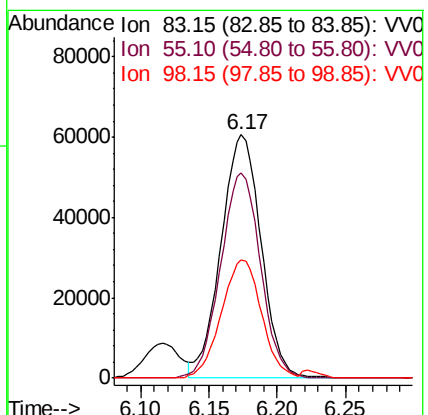
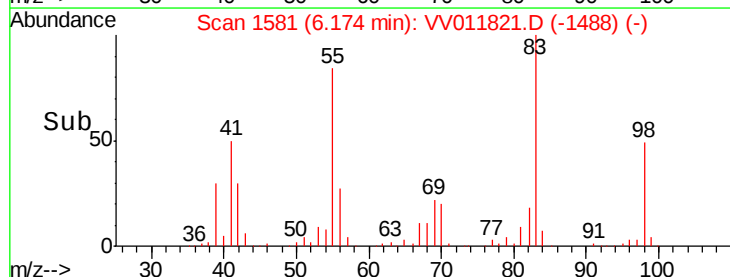
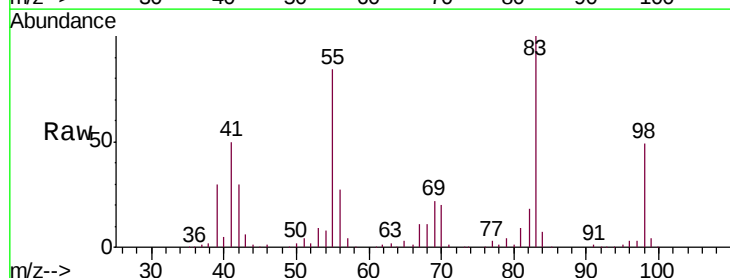
Tgt Ion: 83 Resp: 123405

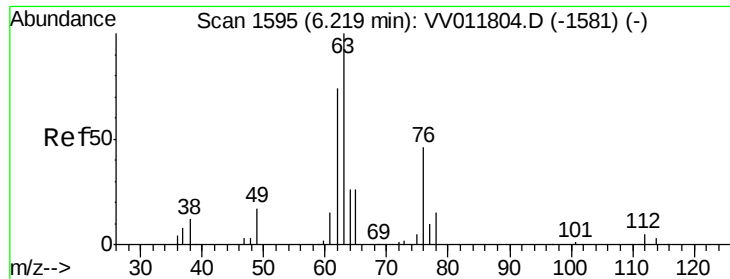
Ion Ratio Lower Upper

83 100

55 84.1 67.8 101.6

98 48.6 39.8 59.8

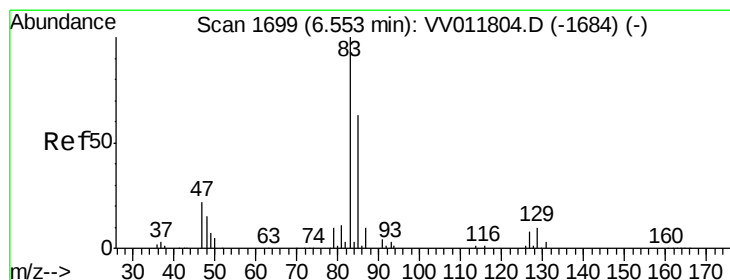
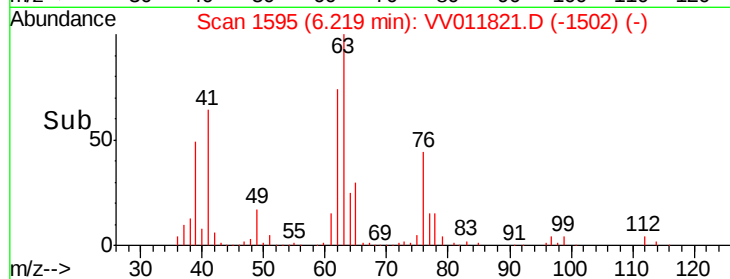
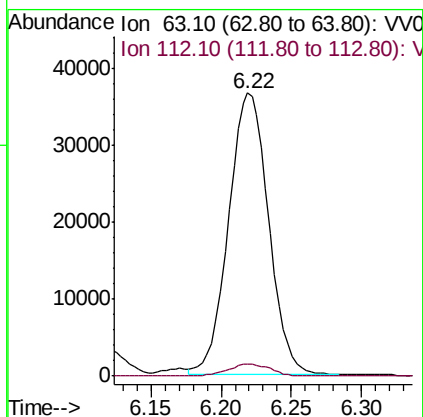
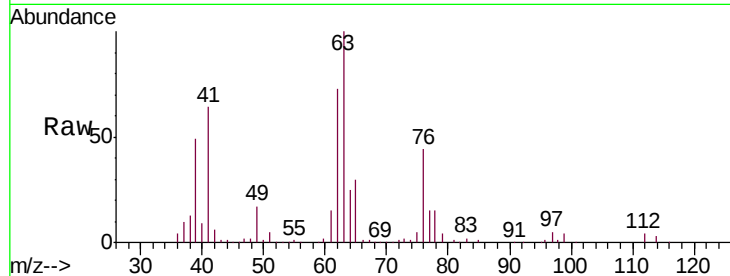




#37
 1,2-Dichloropropane
 Concen: 5.278 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

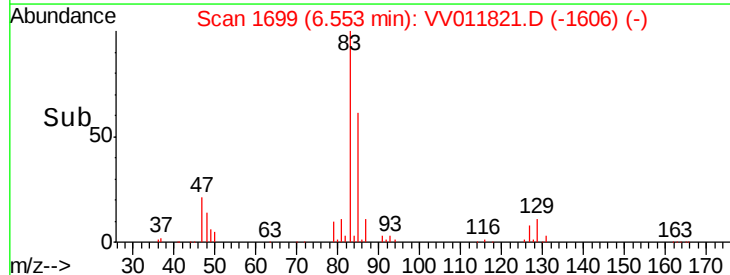
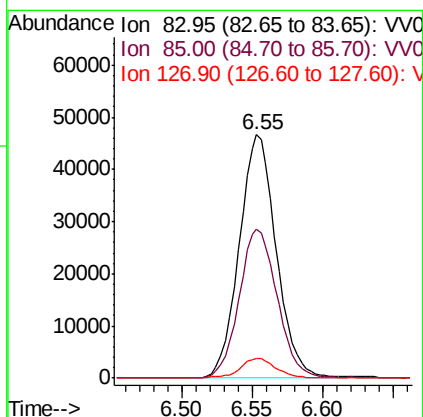
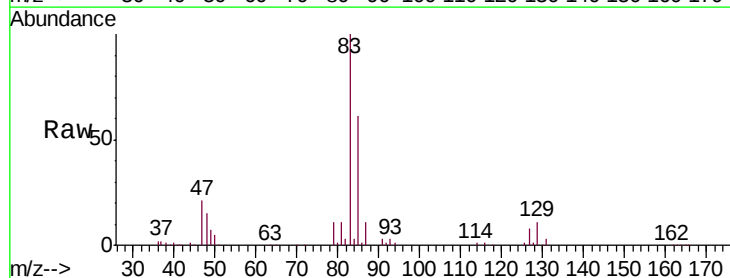
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

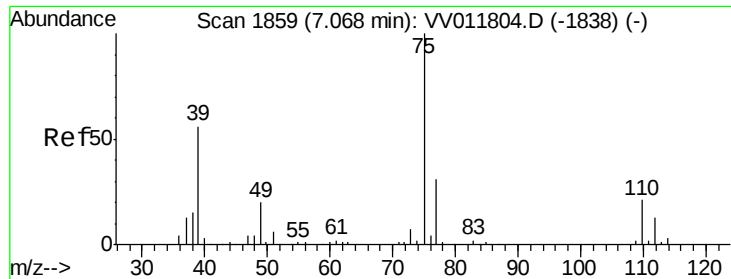
Tgt Ion: 63 Resp: 72681
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.2 4.8



#38
 Bromodichloromethane
 Concen: 5.335 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 83 Resp: 85661
 Ion Ratio Lower Upper
 83 100
 85 61.1 43.1 80.1
 127 8.0 6.2 9.4

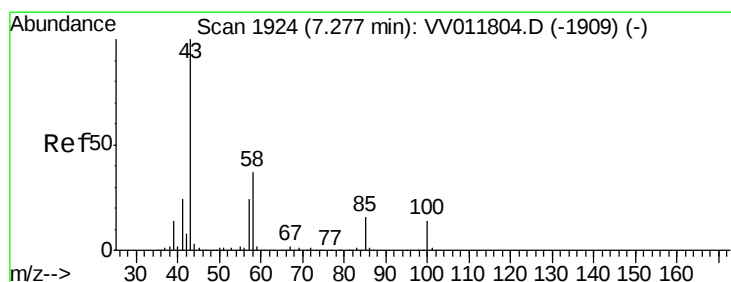
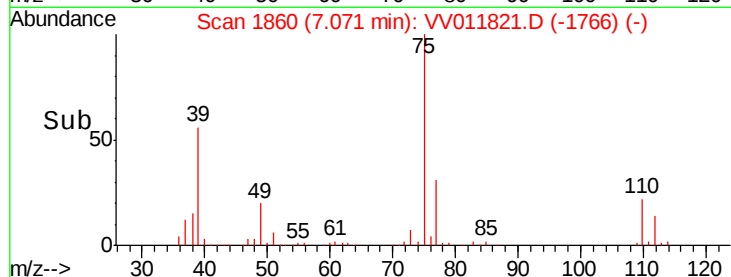
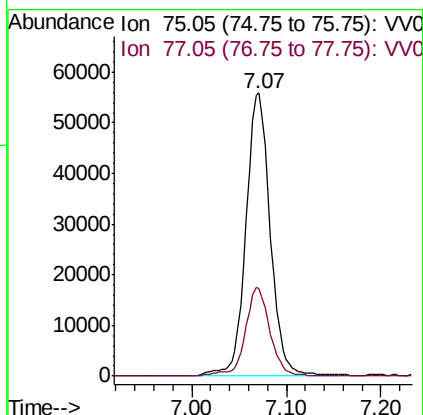
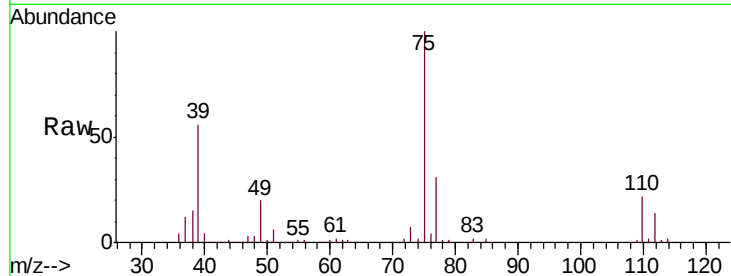




#39
 cis-1,3-Dichloropropene
 Concen: 5.459 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

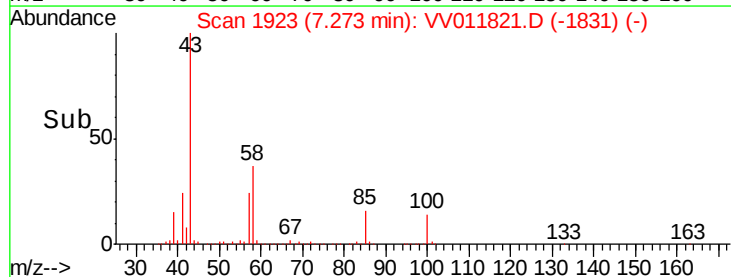
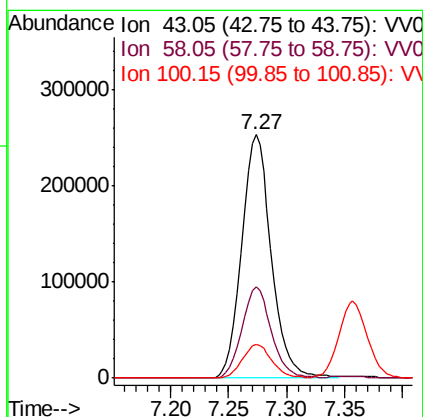
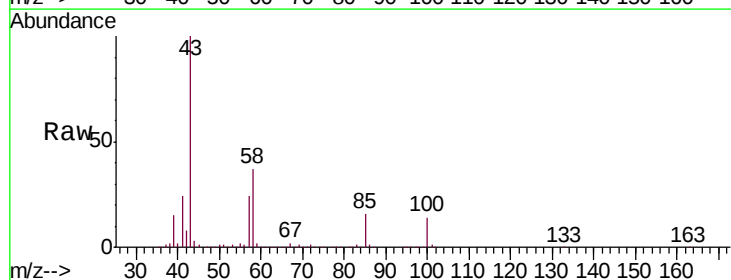
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

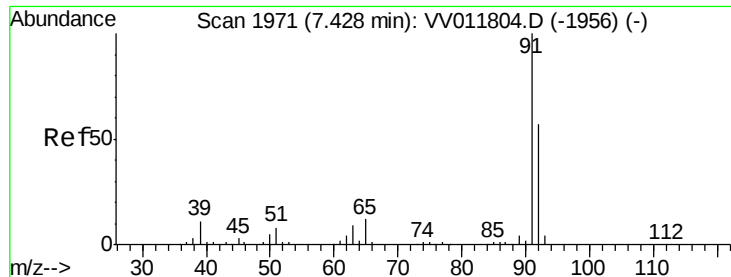
Tgt Ion: 75 Resp: 100269
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.0 40.8



#40
 4-Methyl-2-pentanone
 Concen: 52.522 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 43 Resp: 447826
 Ion Ratio Lower Upper
 43 100
 58 37.3 28.7 43.1
 100 13.9 10.7 16.1





#42

Toluene

Concen: 5.451 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

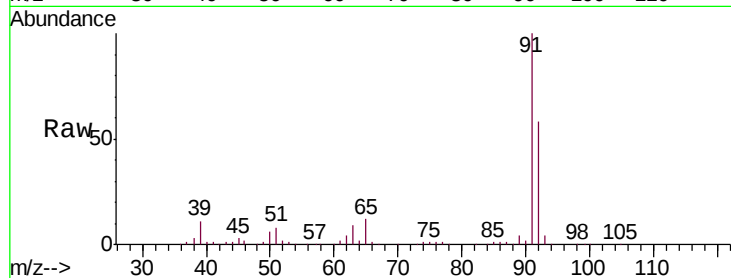
VSTD00556

Tgt Ion: 91 Resp: 309659

Ion Ratio Lower Upper

91 100

92 57.5 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV011821.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV011821.D (-1878) (-)

7.43

200000

150000

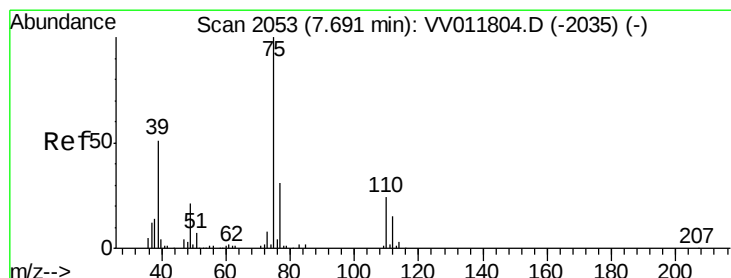
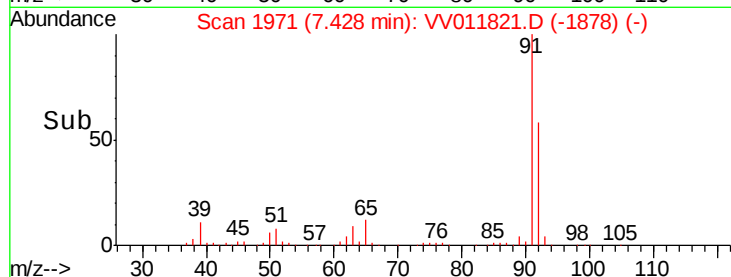
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.466 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011821.D

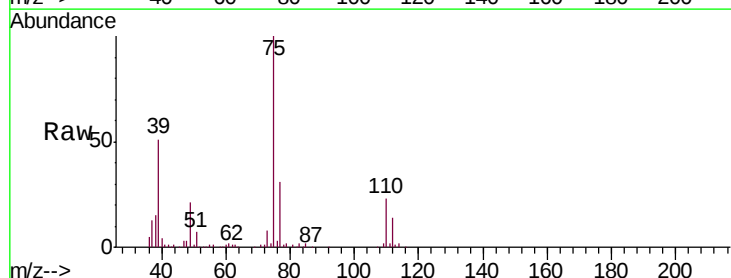
Acq: 03 Jul 2019 09:44

Tgt Ion: 75 Resp: 77472

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV011821.D (-1960) (-)

Ion 77.05 (76.75 to 77.75): VV011821.D (-1960) (-)

7.69

50000

40000

30000

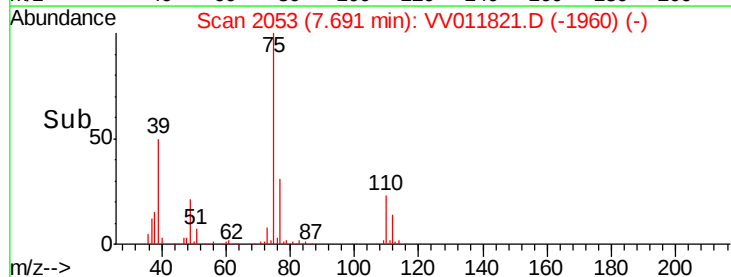
20000

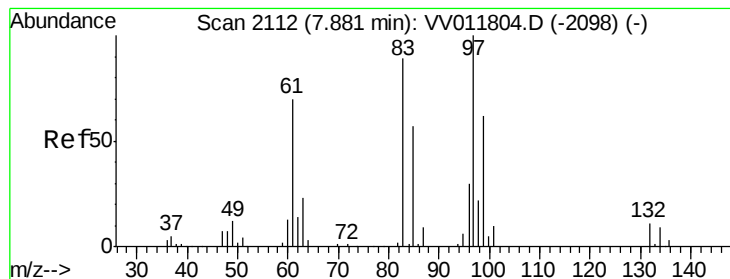
10000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 5.262 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 97 Resp: 46493

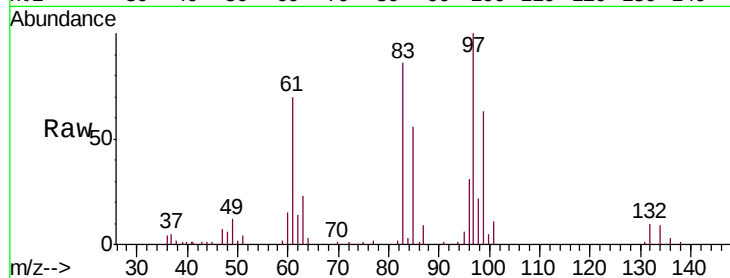
Ion Ratio Lower Upper

97 100

99 63.0 44.9 83.5

83 86.3 59.6 110.8

85 55.8 40.1 74.5



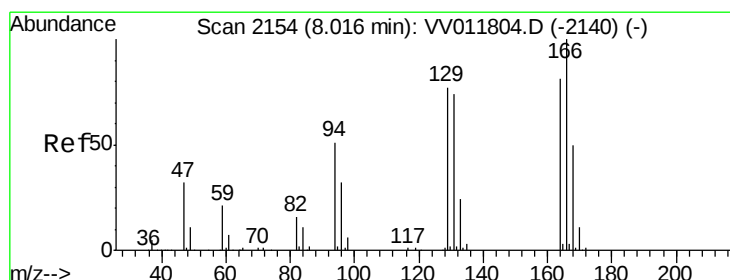
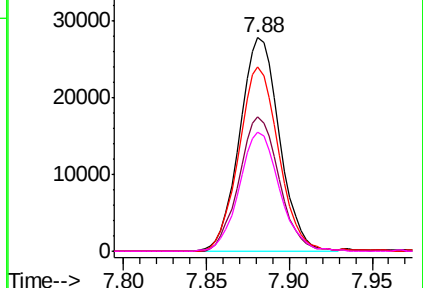
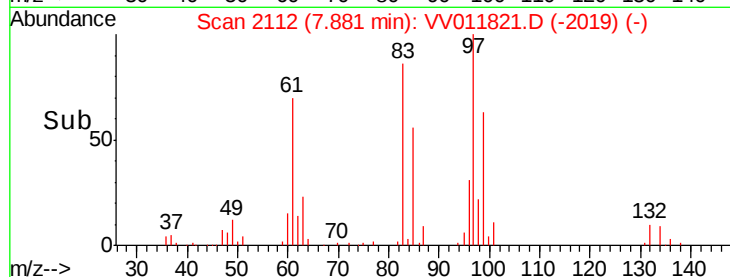
Abundance

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: 5.381 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Tgt Ion: 164 Resp: 59249

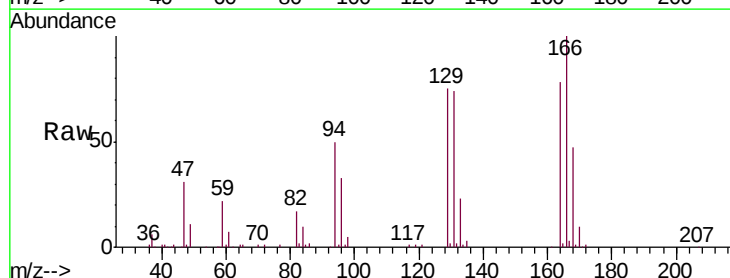
Ion Ratio Lower Upper

164 100

129 96.0 65.7 121.9

131 94.3 63.2 117.4

166 128.1 85.8 159.3



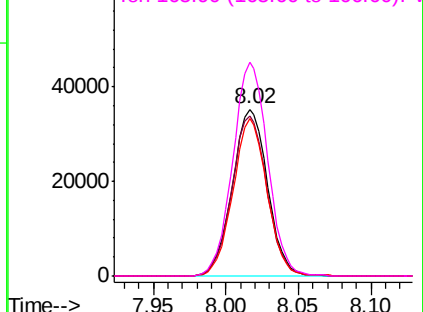
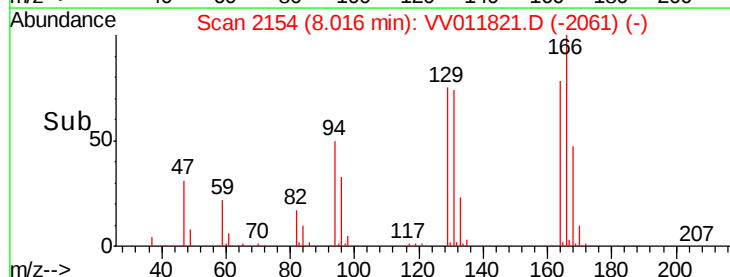
Abundance

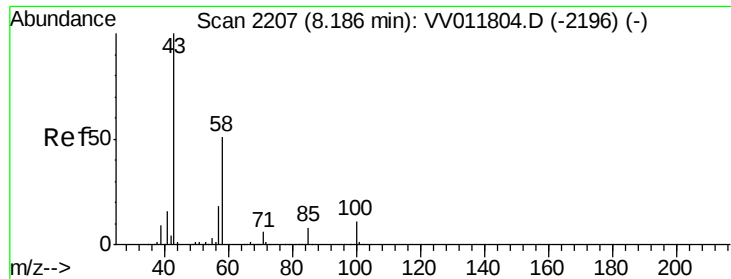
Ion 163.90 (163.60 to 164.60): V

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

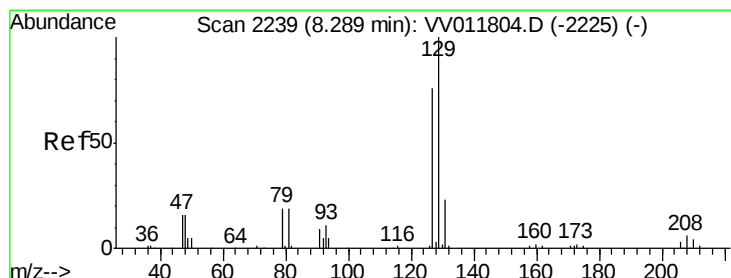
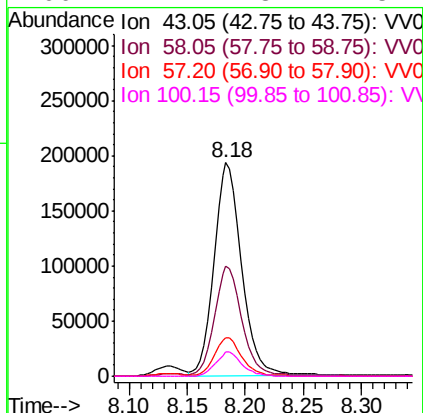
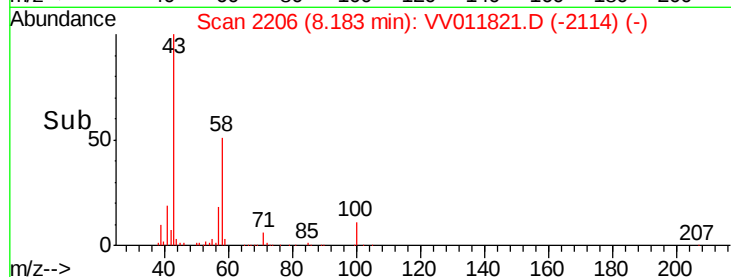
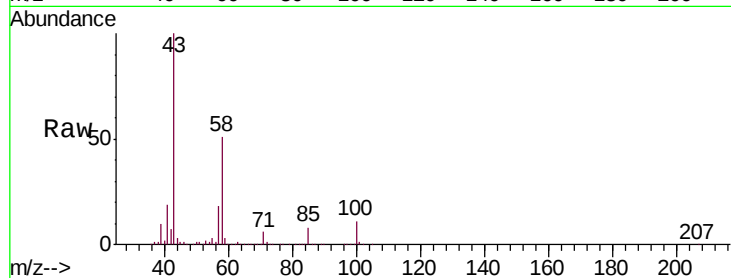




#48
2-Hexanone
Concen: 53.418 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

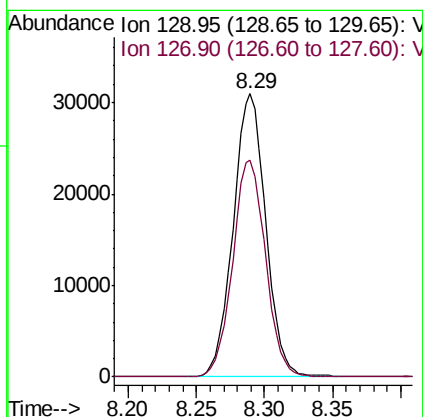
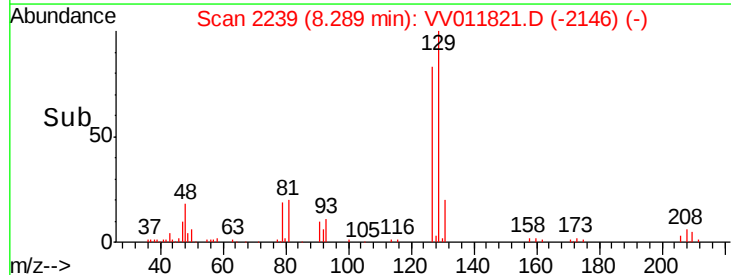
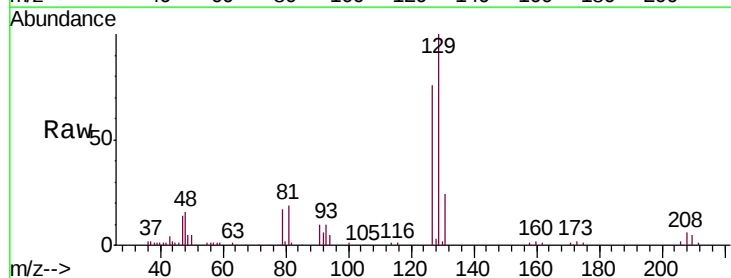
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

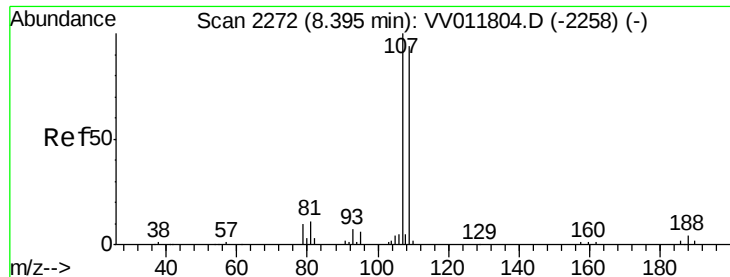
Tgt Ion: 43 Resp: 321520
Ion Ratio Lower Upper
43 100
58 51.7 40.9 61.3
57 18.4 14.3 21.5
100 11.2 8.7 13.1



#49
Dibromochloromethane
Concen: 5.472 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

Tgt Ion: 129 Resp: 51327
Ion Ratio Lower Upper
129 100
127 76.4 53.9 100.1

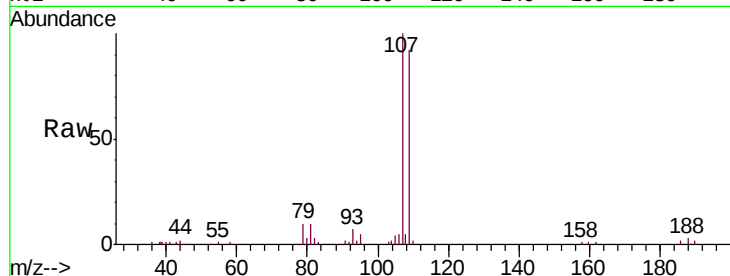




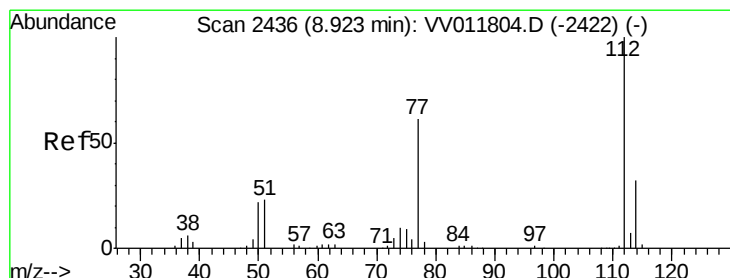
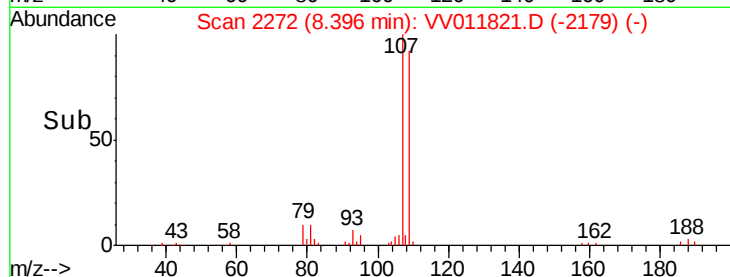
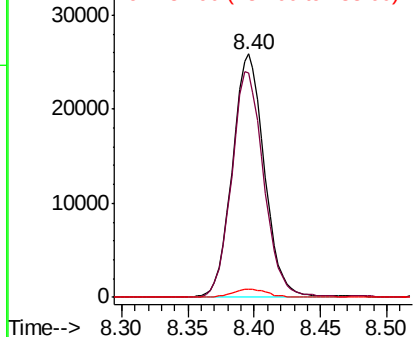
#50
1,2-Dibromoethane
Concen: 5.290 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:107 Resp: 43409
Ion Ratio Lower Upper
107 100
109 92.3 66.8 124.2
188 3.4 3.0 4.6

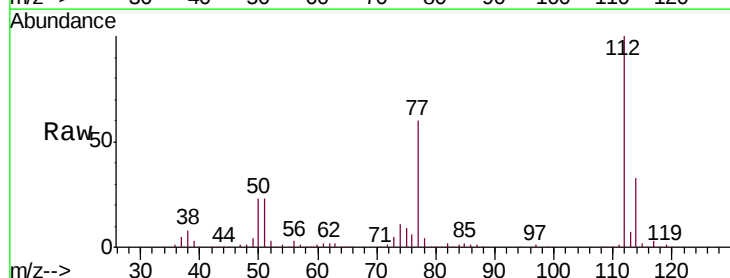


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

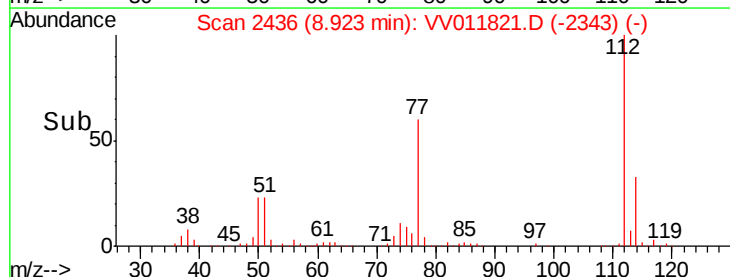
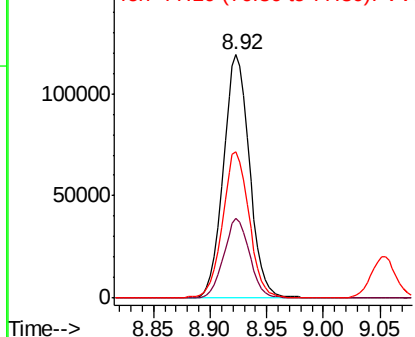


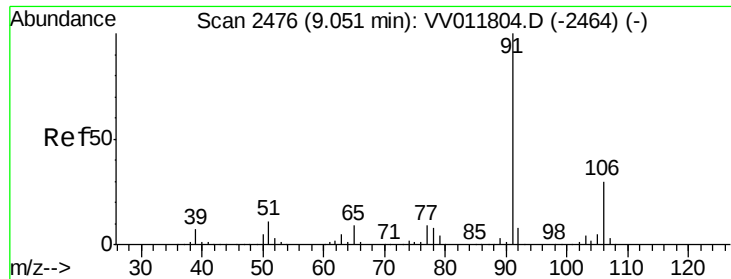
#51
Chlorobenzene
Concen: 5.332 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

Tgt Ion:112 Resp: 191282
Ion Ratio Lower Upper
112 100
114 32.6 22.7 42.3
77 60.0 50.3 75.5



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

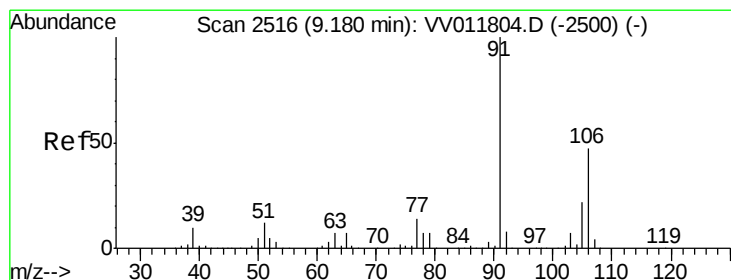
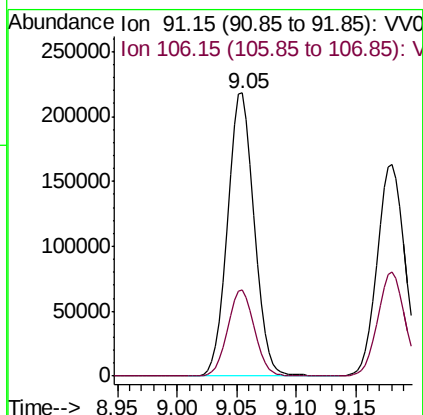
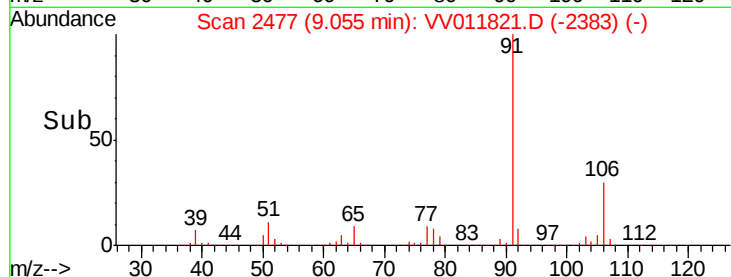
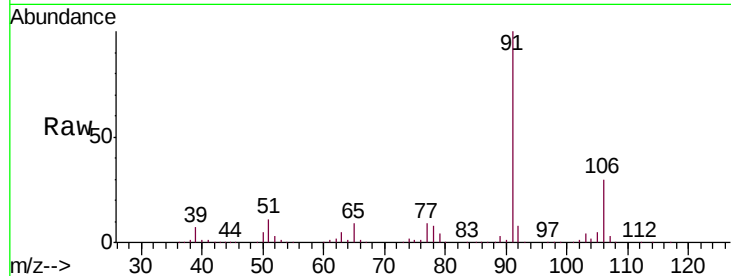




#52
Ethylbenzene
Concen: 5.372 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

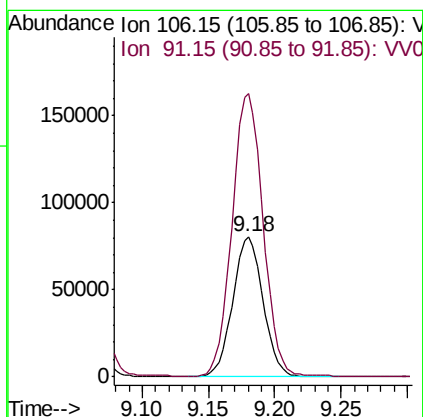
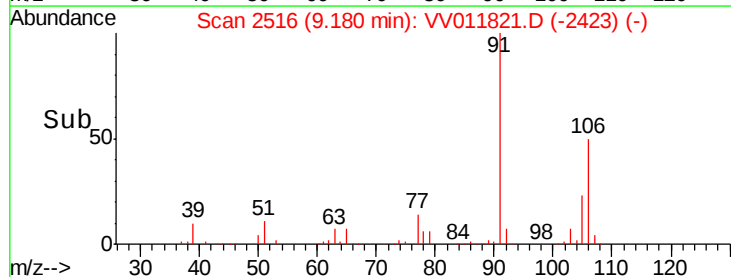
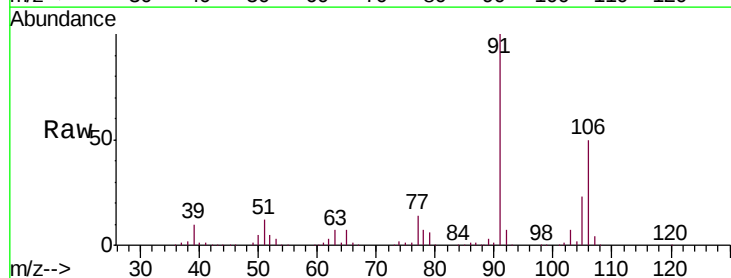
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

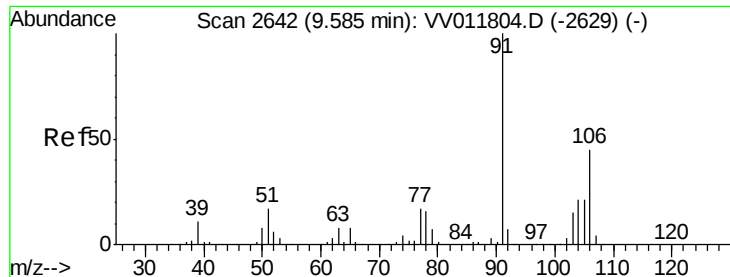
Tgt Ion: 91 Resp: 339266
Ion Ratio Lower Upper
91 100
106 30.4 20.8 38.6



#53
m,p-xylene
Concen: 5.494 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011821.D
Acq: 03 Jul 2019 09:44

Tgt Ion: 106 Resp: 126892
Ion Ratio Lower Upper
106 100
91 201.6 148.2 275.2





#54

o-xylene

Concen: 5.526 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

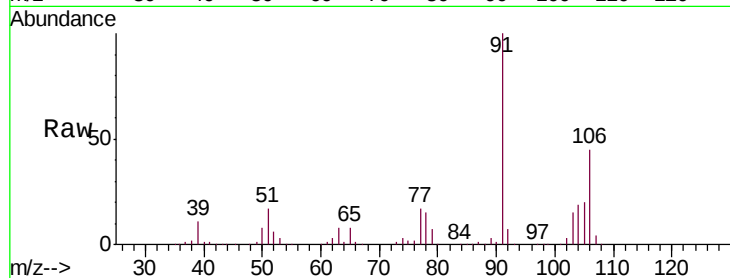
VSTD00556

Tgt Ion:106 Resp: 122981

Ion Ratio Lower Upper

106 100

91 224.4 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0

200000

150000

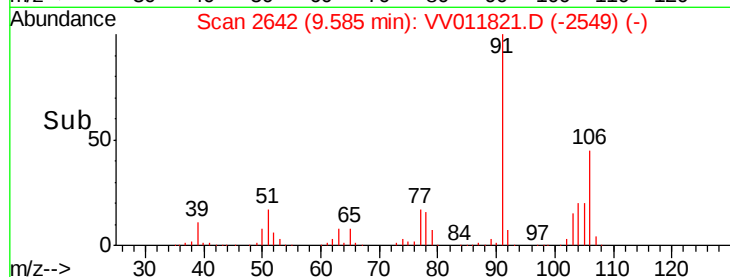
100000

50000

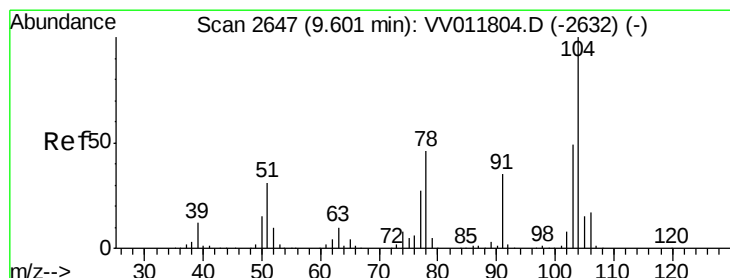
0

9.59

9.50 9.55 9.60 9.65



Time-->



#55

Styrene

Concen: 5.518 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011821.D

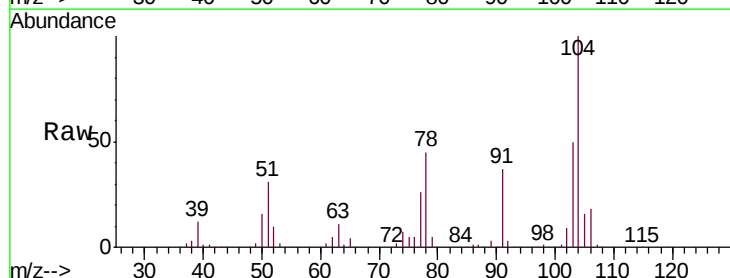
Acq: 03 Jul 2019 09:44

Tgt Ion:104 Resp: 204868

Ion Ratio Lower Upper

104 100

78 45.0 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

150000

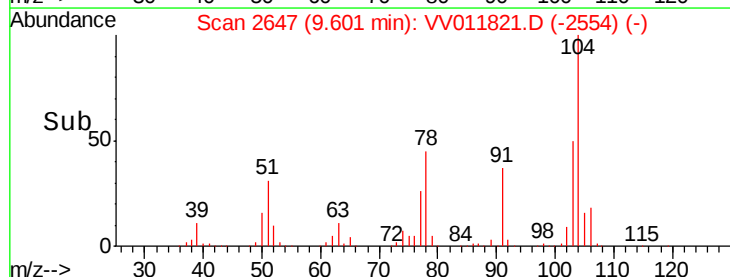
100000

50000

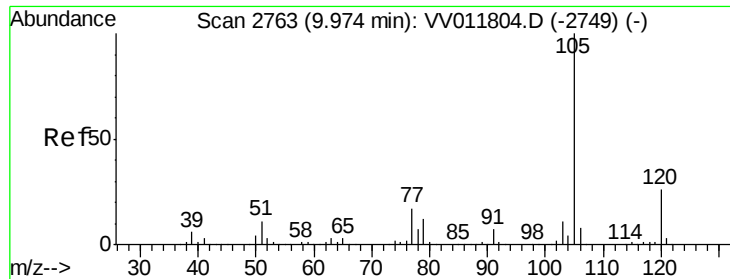
0

9.60

9.50 9.55 9.60 9.65



Time-->



#56

Isopropylbenzene

Concen: 5.464 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

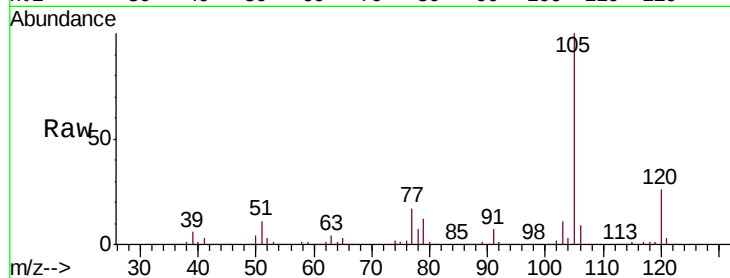
Tgt Ion: 105 Resp: 329038

Ion Ratio Lower Upper

105 100

120 26.2 21.2 31.8

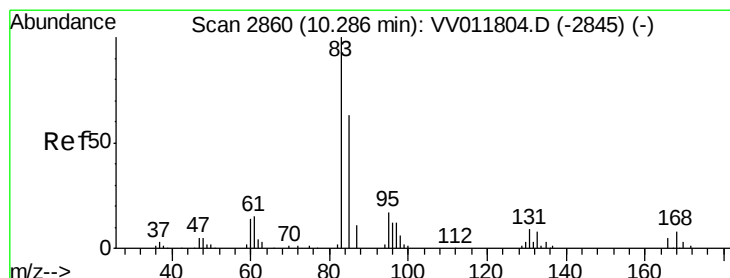
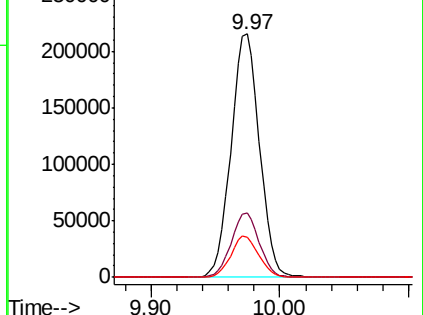
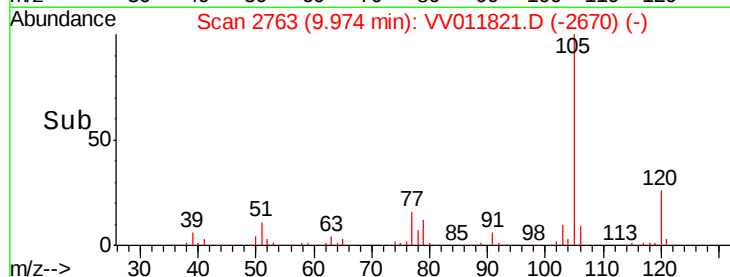
77 16.7 13.5 20.3



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: 5.092 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

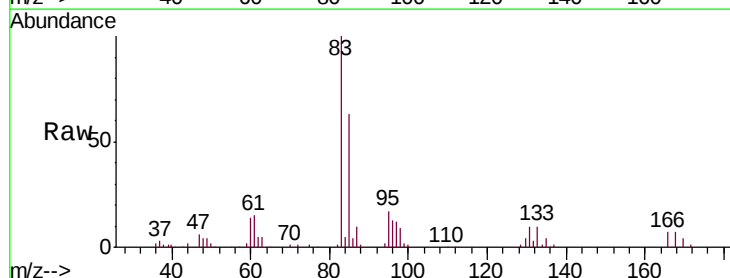
Tgt Ion: 83 Resp: 55093

Ion Ratio Lower Upper

83 100

85 62.5 46.1 85.7

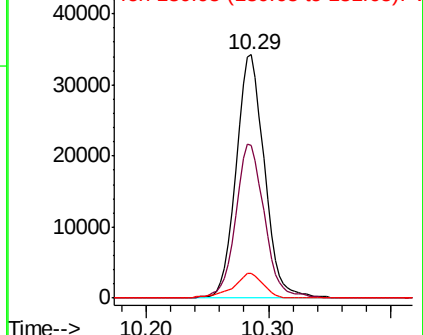
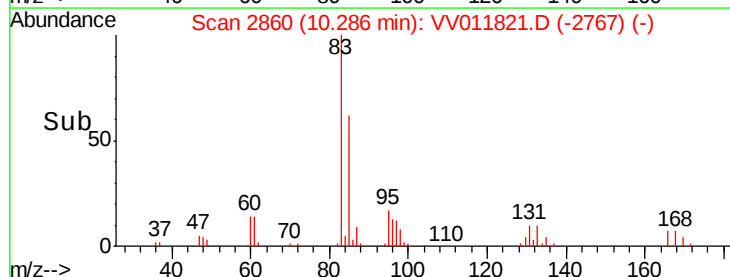
131 10.3 7.8 11.6

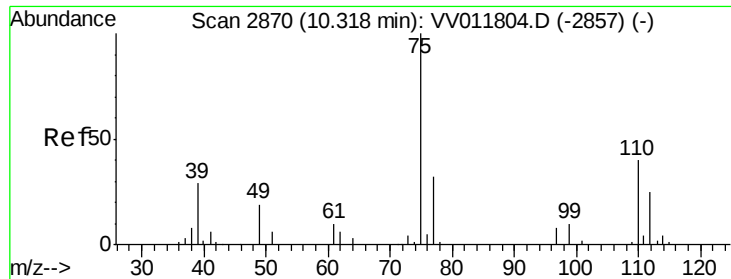


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

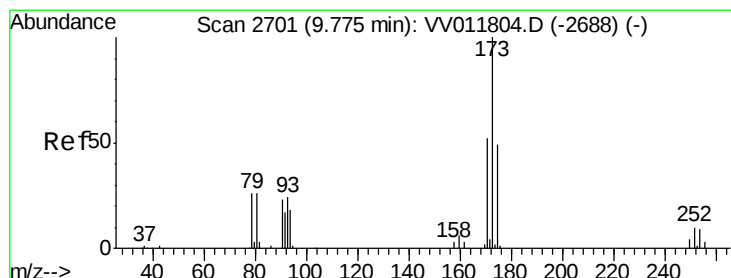
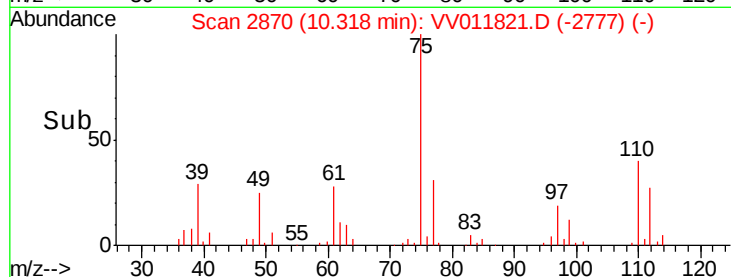
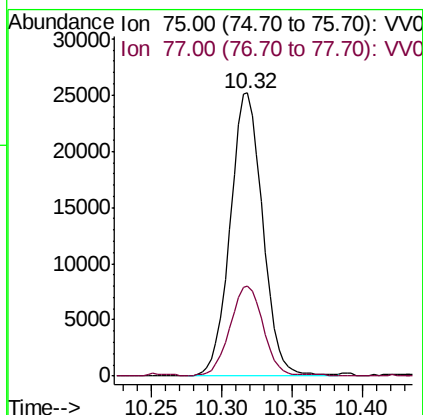
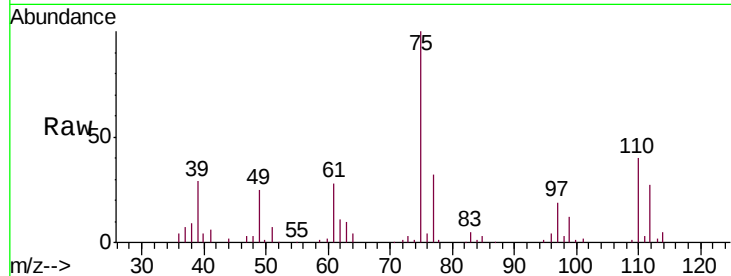




#59
 1,2,3-Trichloropropane
 Concen: 5.108 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

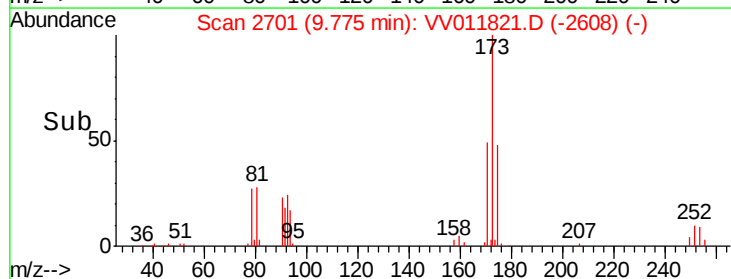
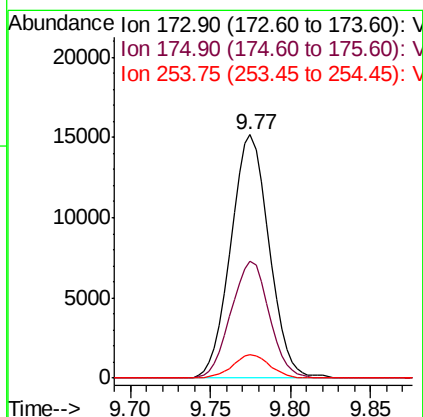
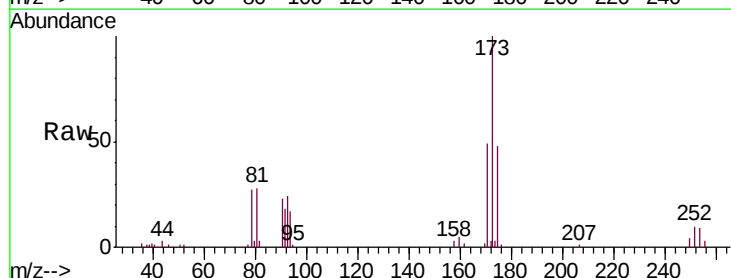
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

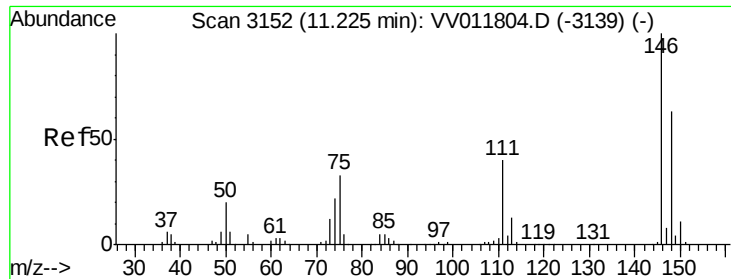
Tgt Ion: 75 Resp: 40703
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.4 38.2



#61
 Bromoform
 Concen: 5.418 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion: 173 Resp: 24692
 Ion Ratio Lower Upper
 173 100
 175 48.0 38.1 57.1
 254 9.3 7.9 11.9

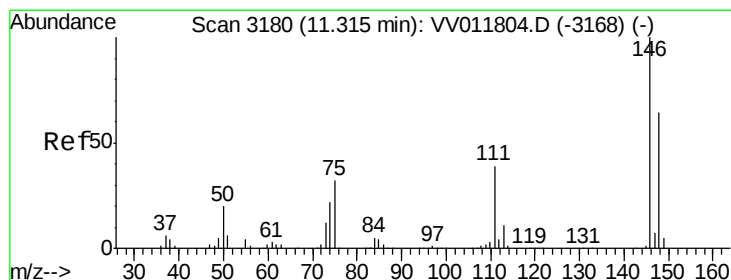
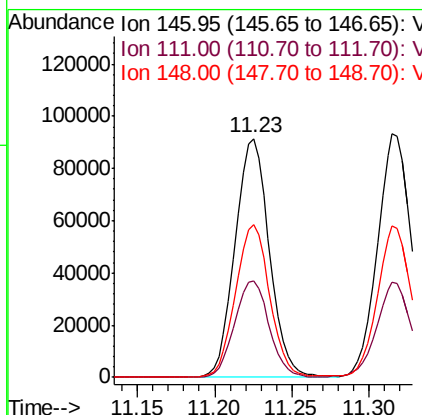
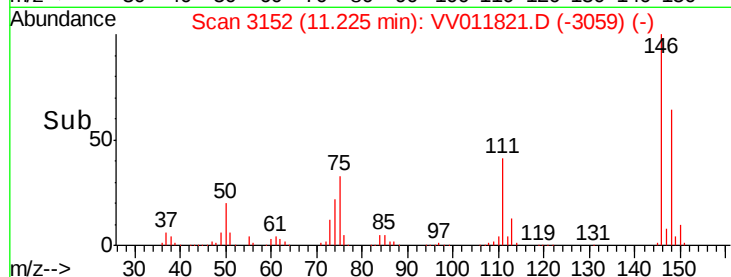
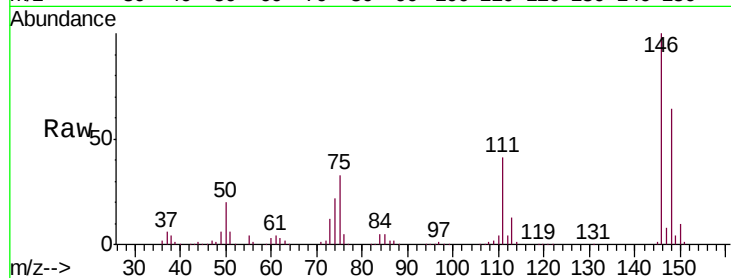




#62
 1,3-Dichlorobenzene
 Concen: 5.337 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

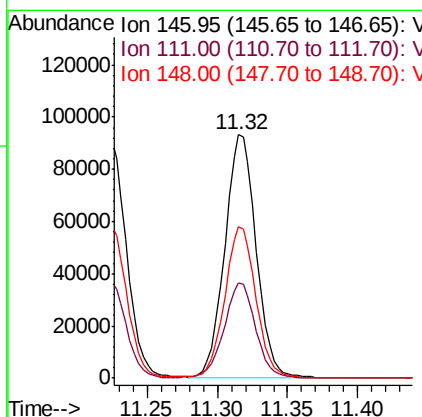
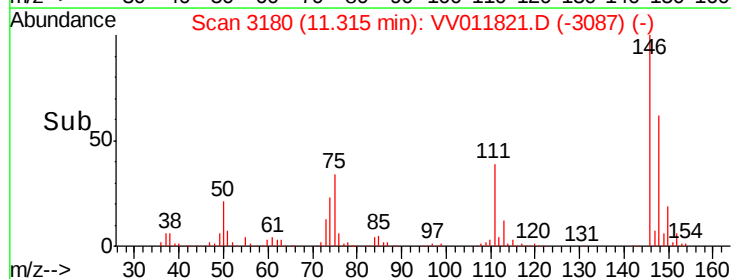
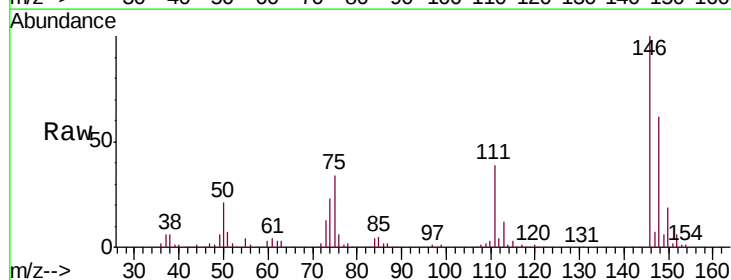
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

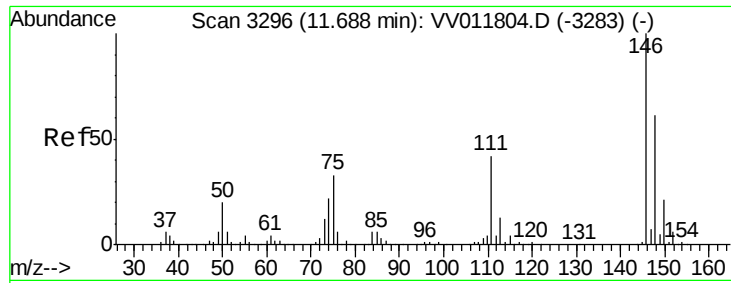
Tgt Ion:146 Resp: 141017
 Ion Ratio Lower Upper
 146 100
 111 40.6 28.1 52.1
 148 64.1 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 5.343 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV011821.D
 Acq: 03 Jul 2019 09:44

Tgt Ion:146 Resp: 144216
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.2 50.4
 148 62.0 45.1 83.7





#65

1,2-Dichlorobenzene

Concen: 5.293 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampled :

VSTD00556

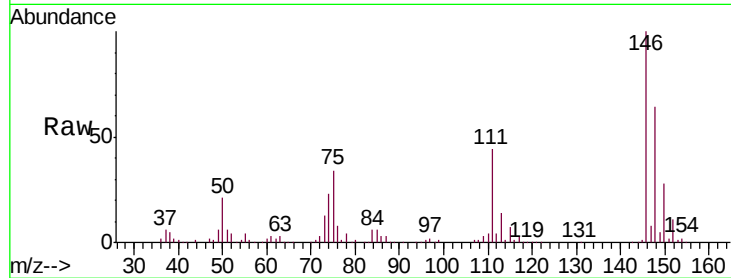
Tgt Ion:146 Resp: 132114

Ion Ratio Lower Upper

146 100

111 43.9 34.6 52.0

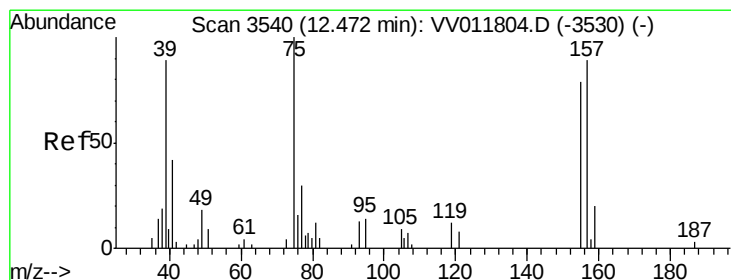
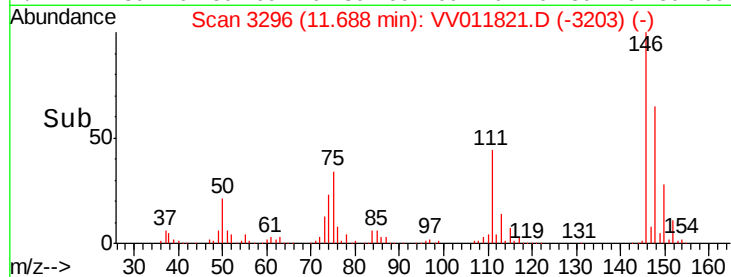
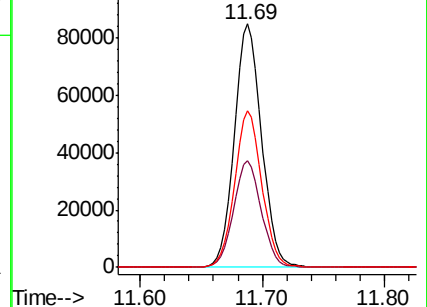
148 64.4 53.3 79.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.935 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

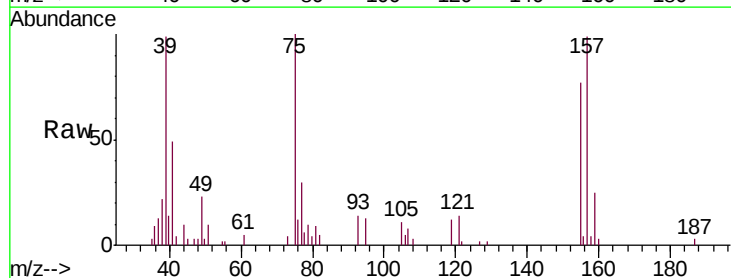
Tgt Ion: 75 Resp: 7814

Ion Ratio Lower Upper

75 100

155 76.7 64.2 96.4

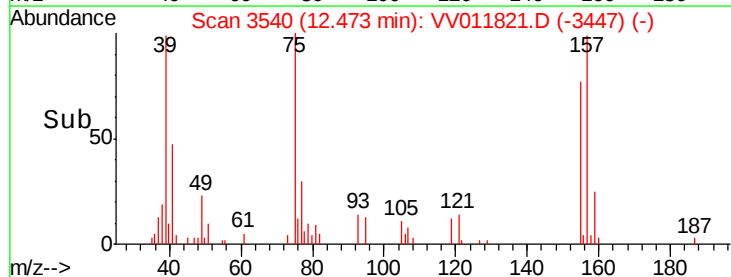
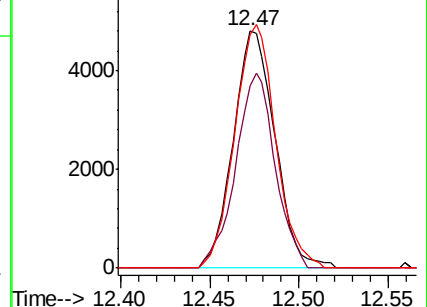
157 98.5 73.6 110.4

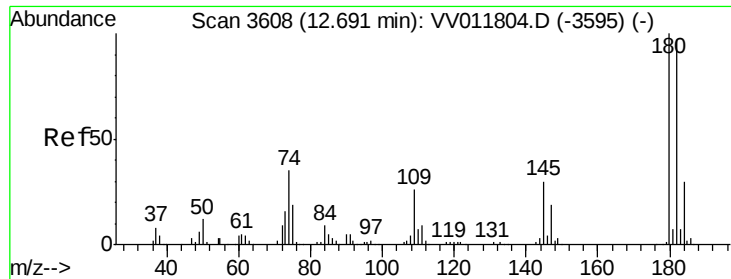


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 5.321 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampled :

VSTD00556

Tgt Ion:180 Resp: 108816

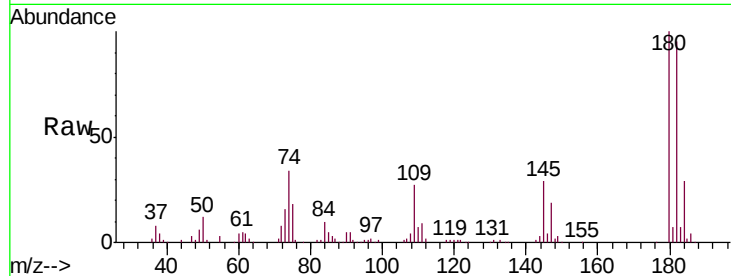
Ion Ratio Lower Upper

180 100

182 96.6 75.3 112.9

184 29.8 24.2 36.4

145 29.9 23.7 35.5

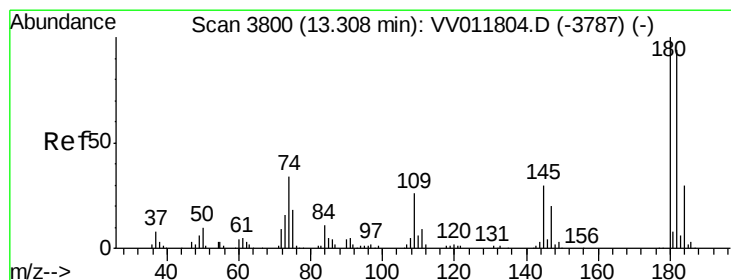
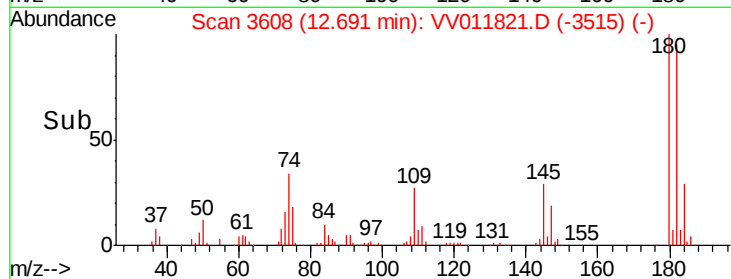
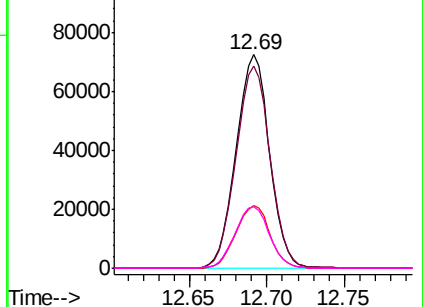


Abundance Ion 180.00 (179.70 to 180.70): V

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: 5.228 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

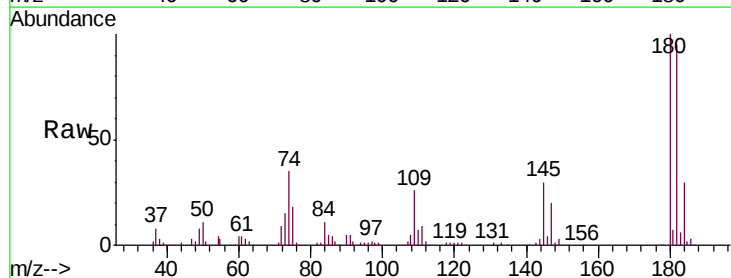
Tgt Ion:180 Resp: 86319

Ion Ratio Lower Upper

180 100

182 94.4 75.2 112.8

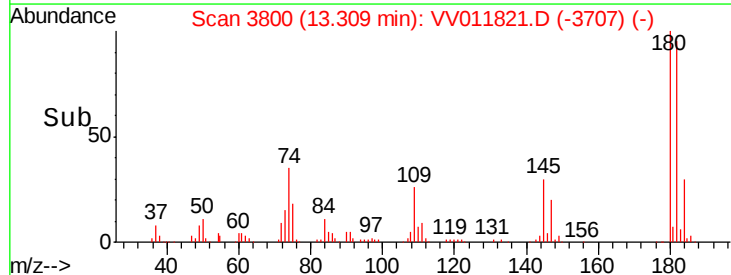
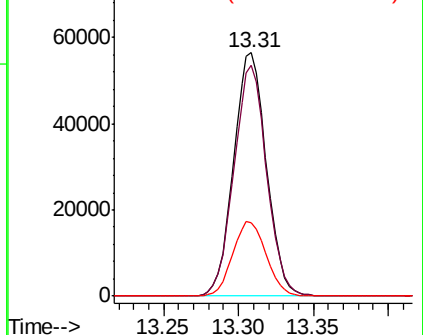
145 31.3 24.5 36.7

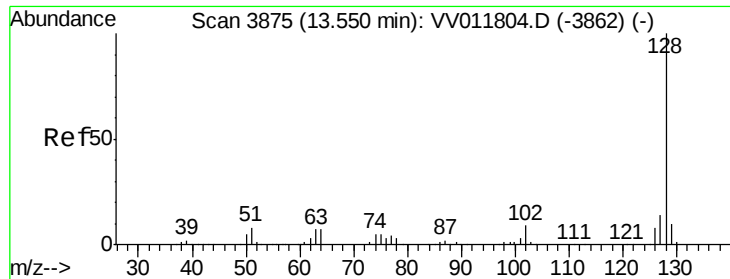


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.016 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

Instrument :

MSVOA_V

ClientSampled :

VSTD00556

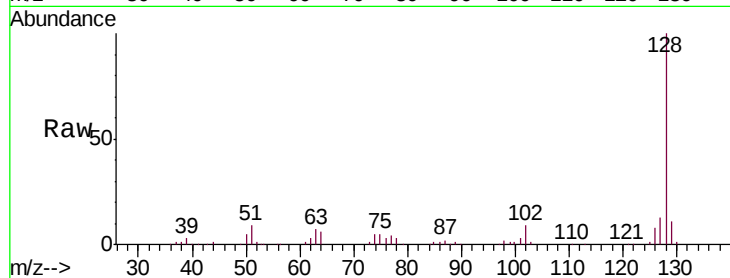
Tgt Ion:128 Resp: 131895

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

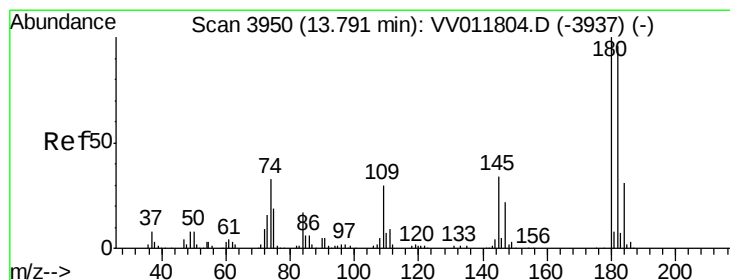
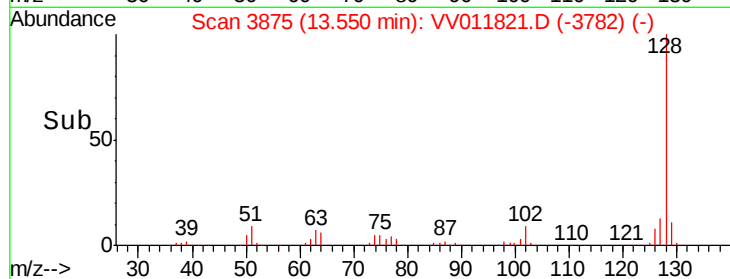
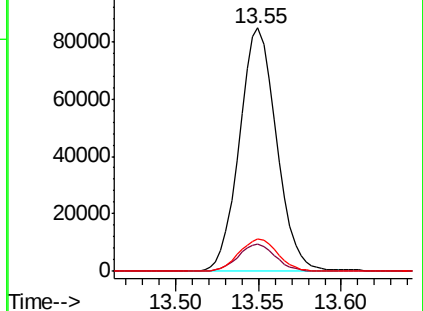
127 13.8 10.6 16.0



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: 5.191 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011821.D

Acq: 03 Jul 2019 09:44

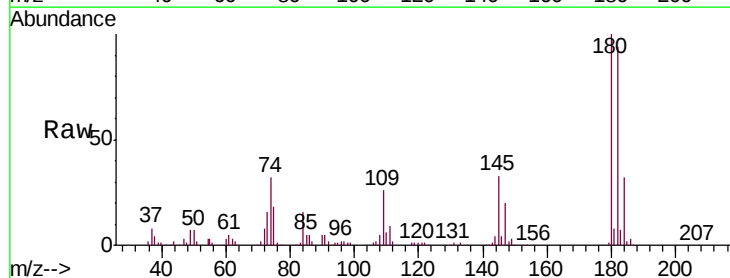
Tgt Ion:180 Resp: 79441

Ion Ratio Lower Upper

180 100

182 95.1 74.7 112.1

145 33.0 26.2 39.4



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

