

Data File : VV012516.D
Acq On : 02 Sep 2019 09:14
Operator : SY/MD
Sample : VSTD0.536
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Quant Time: Sep 03 01:47:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 01:44:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	173894	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	167549	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	74942	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	8995	0.57	ug/L	0.00
7) Chloroethane-d5	1.58	69	8389	0.69	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	20854	0.73	ug/L	0.00
20) 2-Butanone-d5	3.84	46	181	0.06	ug/L	-0.13
24) Chloroform-d	4.40	84	13051	0.50	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	7213	0.56	ug/L	0.00
32) Benzene-d6	5.10	84	23929	0.49	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	7718	0.49	ug/L	0.00
41) Toluene-d8	7.36	98	19097	0.43	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	2545	0.46	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	7556	3.49	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	5393	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	7371	0.51	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10482	0.460 ug/L	97
3) Chloromethane	1.25	50	11865	0.498 ug/L	98
5) Vinyl chloride	1.32	62	13275	0.573 ug/L	99
6) Bromomethane	1.54	94	7692	0.598 ug/L	99
8) Chloroethane	1.60	64	8154	0.619 ug/L	97
9) Trichlorofluoromethane	1.77	101	19031	0.609 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11254	0.702 ug/L	96
12) 1,1-Dichloroethene	2.14	96	9987	0.658 ug/L	92
13) Acetone	2.23	43	23436	8.479 ug/L	88
14) Carbon disulfide	2.32	76	34622	0.744 ug/L	97
15) Methyl Acetate	2.47	43	4730	0.688 ug/L #	64
16) Methylene chloride	2.53	84	13462	0.773 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	15900	0.435 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	8428	0.495 ug/L	91
19) 1,1-Dichloroethane	3.23	63	15340	0.462 ug/L	99
21) 2-Butanone	4.06	43	13492	3.176 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	8135	0.460 ug/L	79
23) Bromochloromethane	4.30	128	3411	0.450 ug/L	92
25) Chloroform	4.42	83	18344	0.528 ug/L	95
27) 1,2-Dichloroethane	5.18	62	8676	0.438 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	12533	0.466 ug/L	99
30) Cyclohexane	4.72	56	11654	0.425 ug/L	99
31) Carbon tetrachloride	4.87	117	11032	0.466 ug/L	96
33) Benzene	5.15	78	26755	0.387 ug/L	100
34) Trichloroethene	5.96	95	8976	0.507 ug/L	94
35) Methylcyclohexane	6.17	83	11763	0.437 ug/L	97
37) 1,2-Dichloropropane	6.22	63	7908	0.441 ug/L	100
38) Bromodichloromethane	6.55	83	10384	0.461 ug/L #	99
39) cis-1,3-Dichloropropene	7.07	75	8902	0.381 ug/L #	82
40) 4-Methyl-2-pentanone	7.28	43	38229	3.701 ug/L	94

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Quant Time: Sep 03 01:47:26 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 03 01:44:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	29089	0.409	ug/L	97
44) trans-1,3-Dichloropropene	7.70	75	7580	0.416	ug/L	91
45) 1,1,2-Trichloroethane	7.88	97	5115	0.428	ug/L	96
47) Tetrachloroethene	8.02	164	6205	0.444	ug/L	92
48) 2-Hexanone	8.20	43	24308	3.452	ug/L	95
49) Dibromochloromethane	8.29	129	5791	0.426	ug/L	99
50) 1,2-Dibromoethane	8.40	107	4404	0.419	ug/L #	93
51) Chlorobenzene	8.92	112	20468	0.455	ug/L	95
52) Ethylbenzene	9.05	91	31319	0.414	ug/L	100
53) m,p-xylene	9.18	106	11423	0.417	ug/L	86
54) o-xylene	9.59	106	10158	0.378	ug/L	86
55) Styrene	9.60	104	16176	0.361	ug/L	99
56) Isopropylbenzene	9.97	105	27150	0.382	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.28	83	5482	0.394	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	4513	0.450	ug/L	96
61) Bromoform	9.78	173	2634	0.389	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	13915	0.445	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	15320	0.488	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	13110	0.446	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	1114	0.561	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	10462	0.449	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	5939	0.347	ug/L	96
69) Naphthalene	13.56	128	8393	0.340	ug/L #	93
70) 1,2,3-Trichlorobenzene	13.79	180	5748	0.356	ug/L	96

(#) = 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 :
VSTD0.536

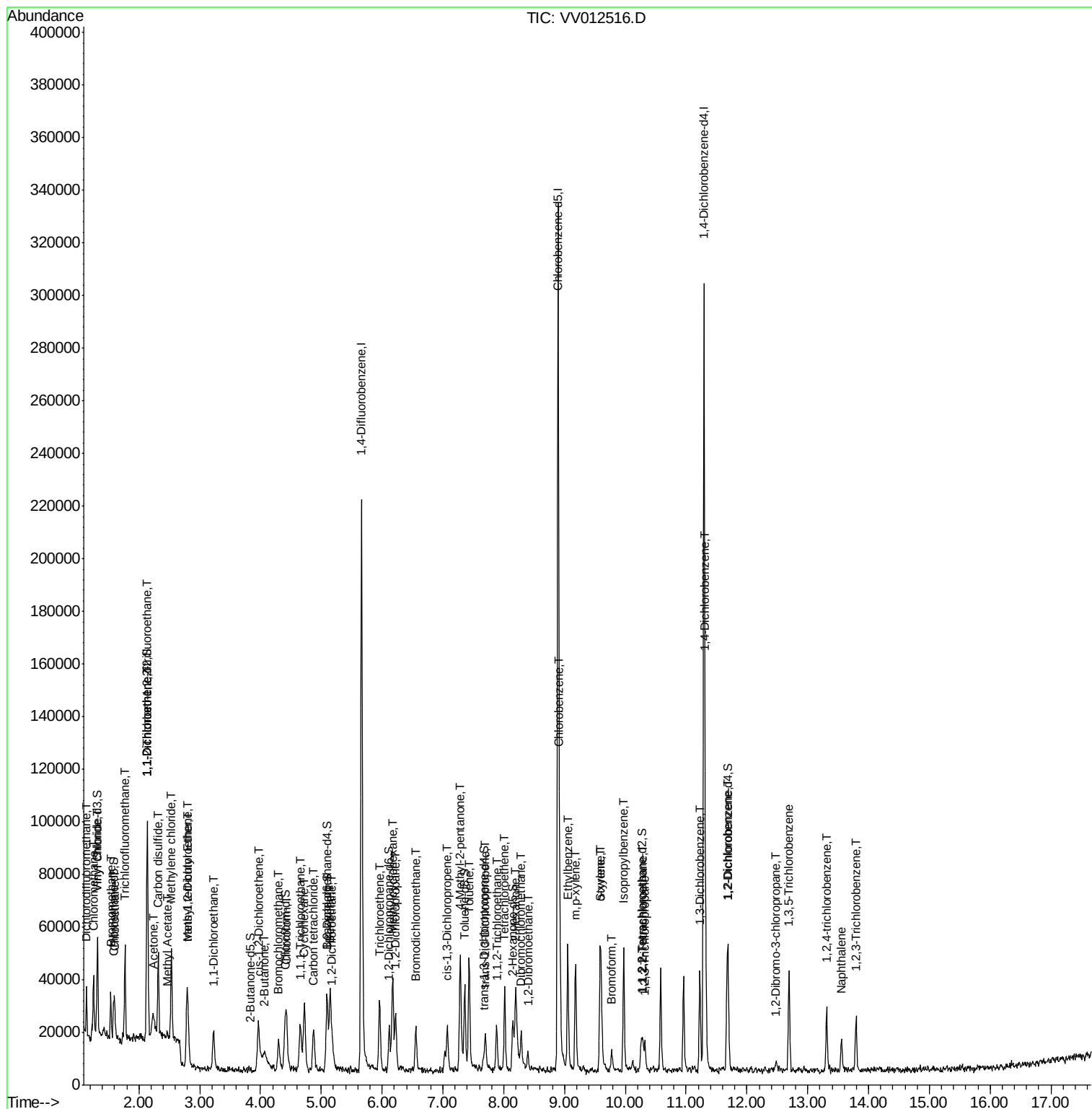
Quant Time: Sep 03 01:47:26 2019

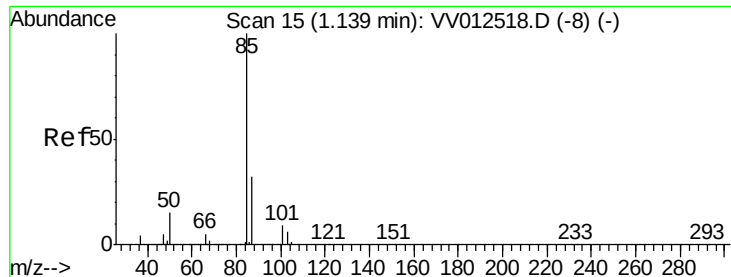
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 03 01:44:55 2019

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#2

Dichlorodifluoromethane

Concen: 0.460 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

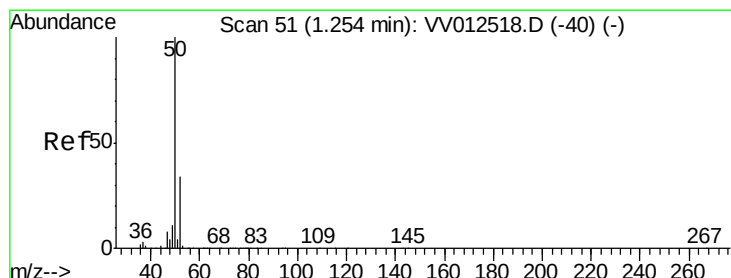
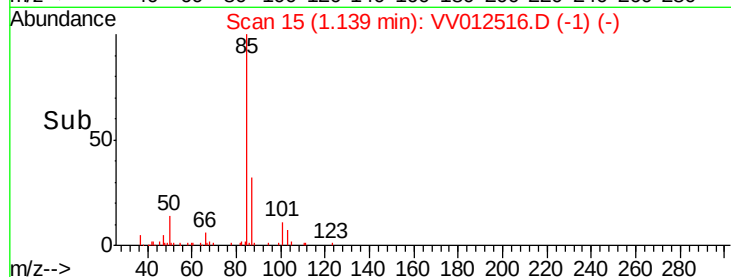
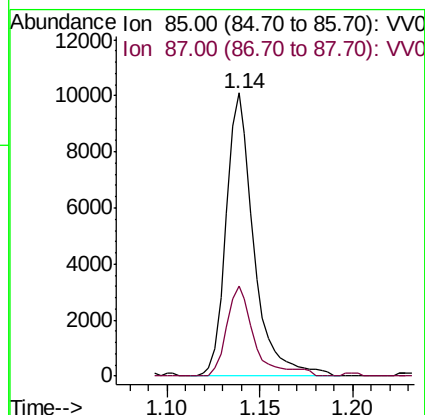
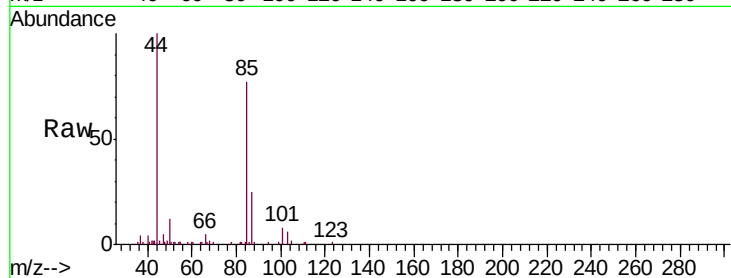
VSTD0.536

Tgt Ion: 85 Resp: 10482

Ion Ratio Lower Upper

85 100

87 31.6 26.4 39.6



#3

Chloromethane

Concen: 0.498 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012516.D

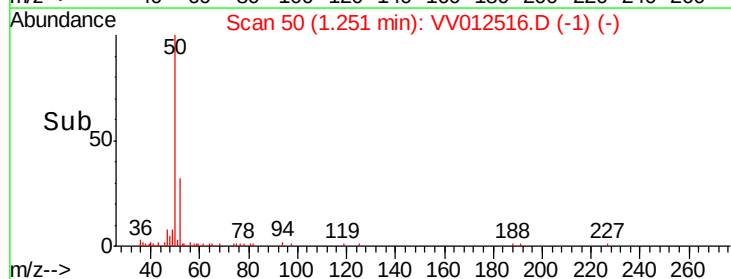
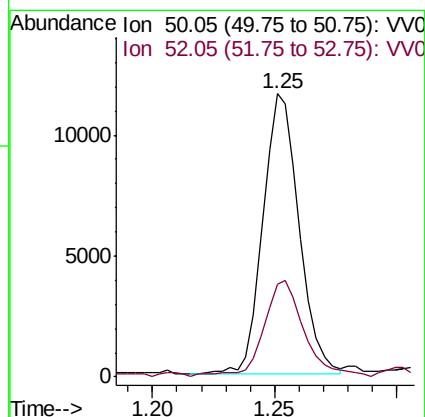
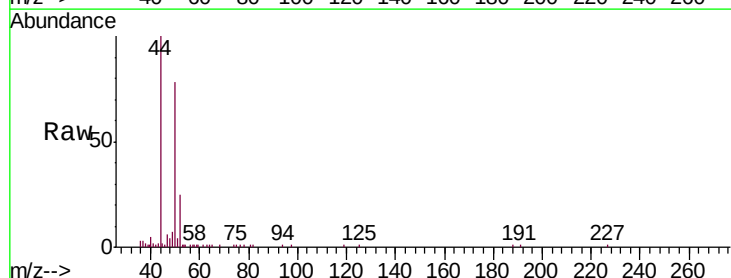
Acq: 02 Sep 2019 09:14

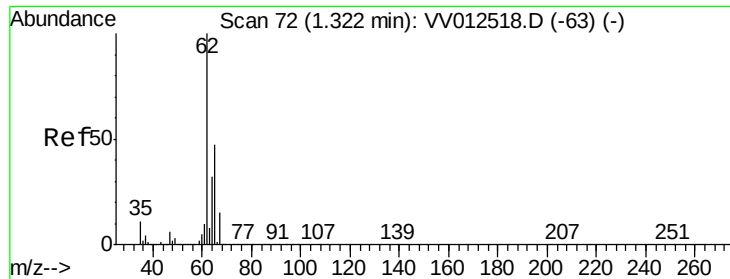
Tgt Ion: 50 Resp: 11865

Ion Ratio Lower Upper

50 100

52 32.6 23.5 43.7





#5

Vinyl chloride

Concen: 0.573 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

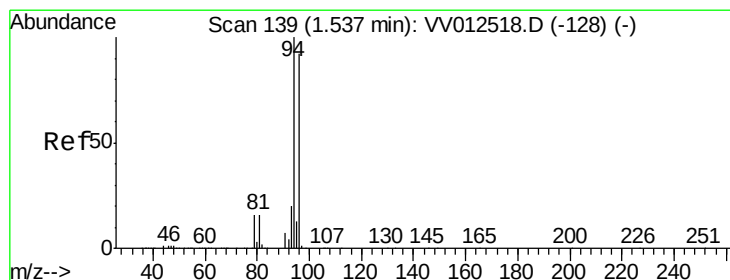
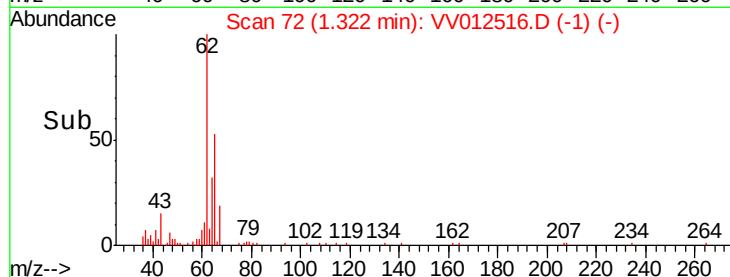
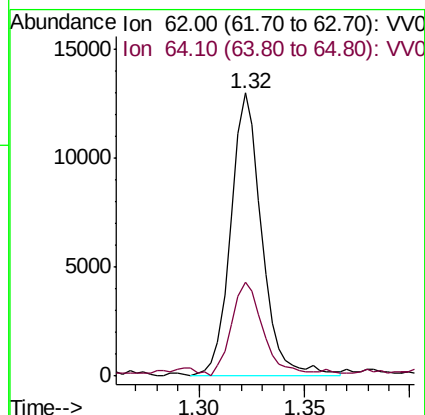
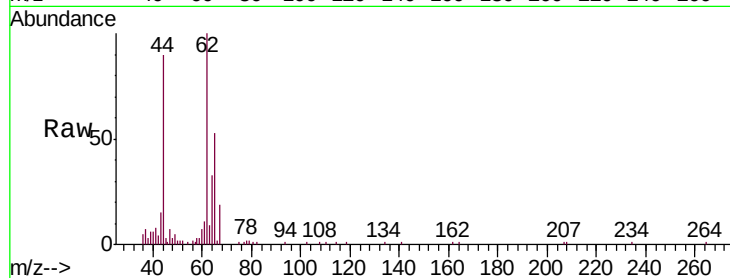
VSTD0.536

Tgt Ion: 62 Resp: 13275

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



#6

Bromomethane

Concen: 0.598 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012516.D

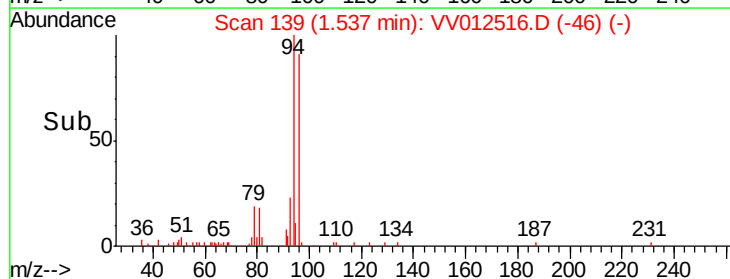
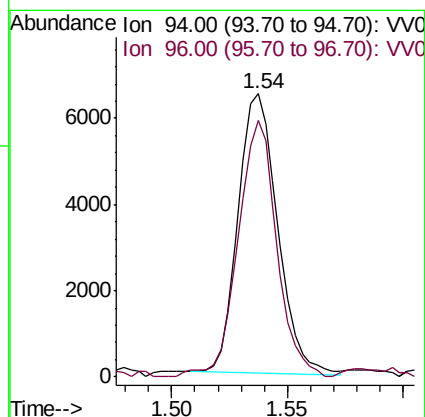
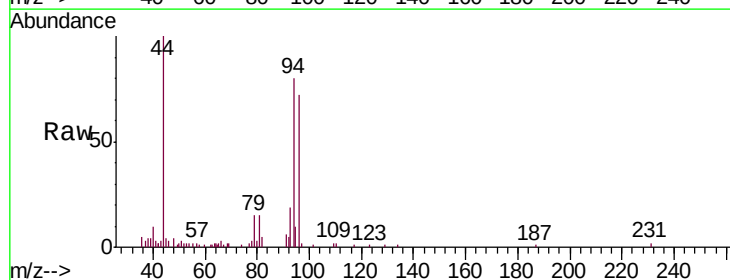
Acq: 02 Sep 2019 09:14

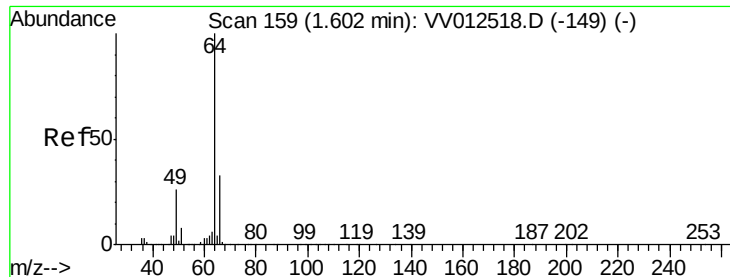
Tgt Ion: 94 Resp: 7692

Ion Ratio Lower Upper

94 100

96 90.5 64.3 119.3

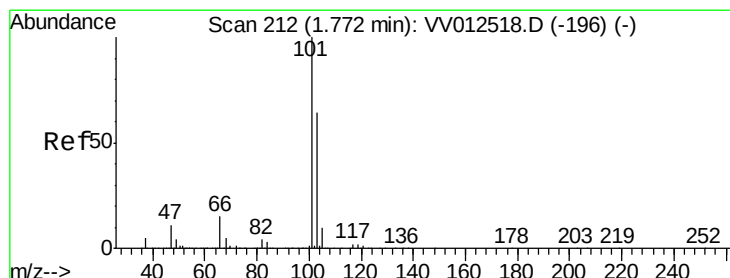
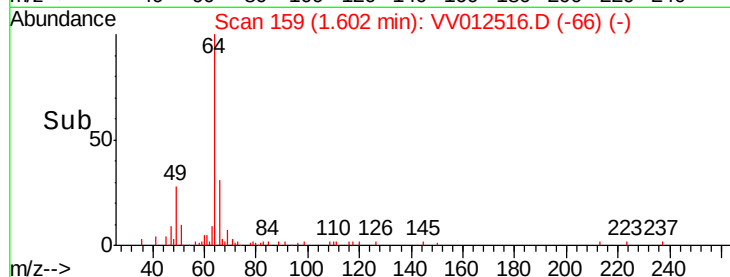
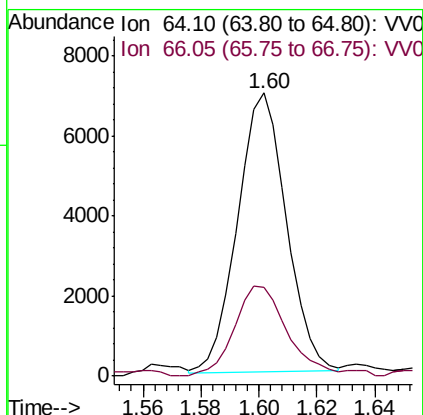
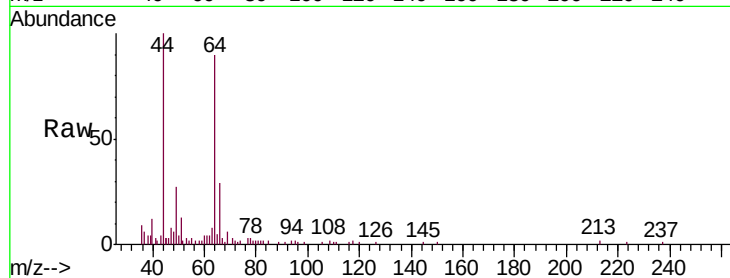




#8
Chloroethane
Concen: 0.619 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

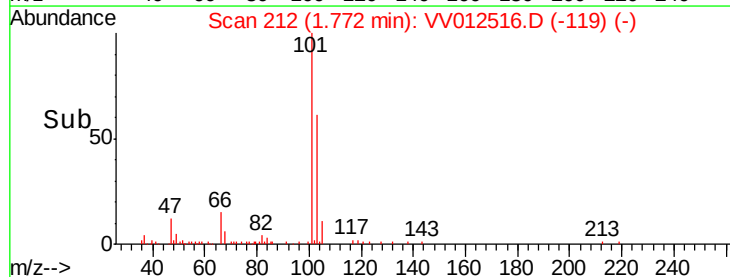
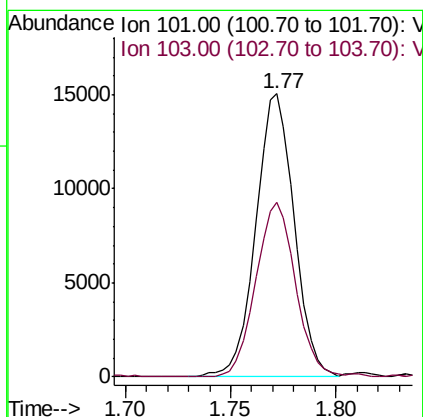
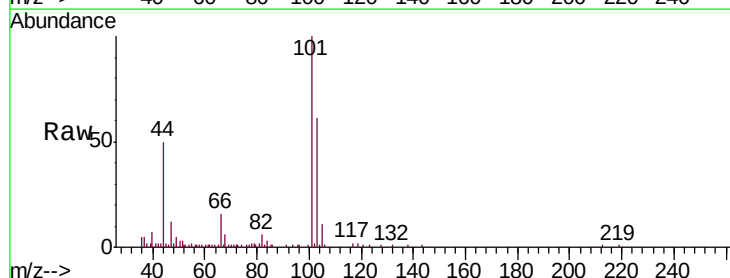
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

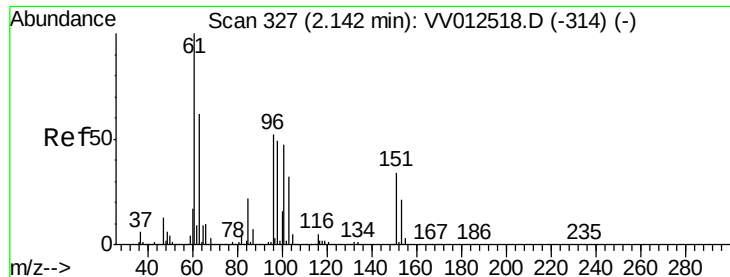
Tgt Ion: 64 Resp: 8154
Ion Ratio Lower Upper
64 100
66 31.6 23.1 42.9



#9
Trichlorofluoromethane
Concen: 0.609 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Tgt Ion: 101 Resp: 19031
Ion Ratio Lower Upper
101 100
103 63.6 51.2 76.8





#10

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

Concen: 0.702 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

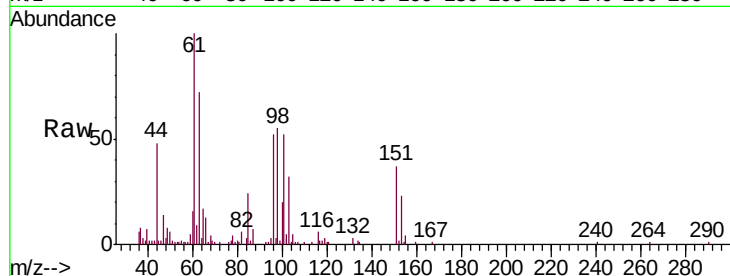
Tgt Ion:101 Resp: 11254

Ion Ratio Lower Upper

101 100

85 49.8 37.4 56.0

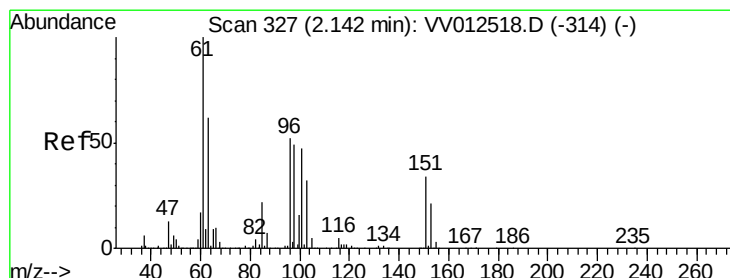
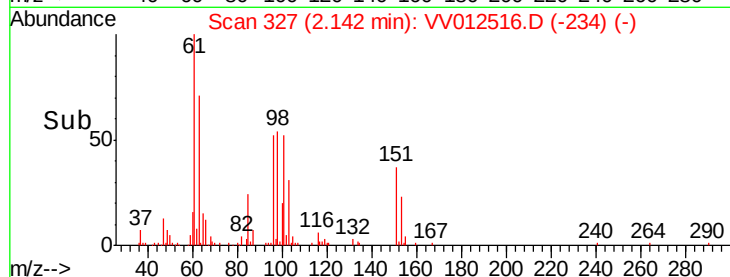
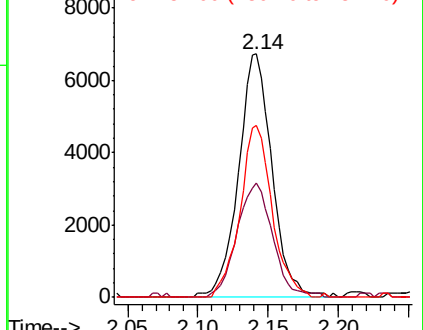
151 67.4 56.7 85.1



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: 0.658 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

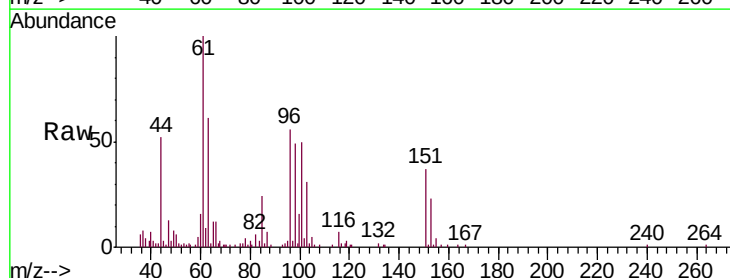
Tgt Ion: 96 Resp: 9987

Ion Ratio Lower Upper

96 100

61 179.4 133.7 248.3

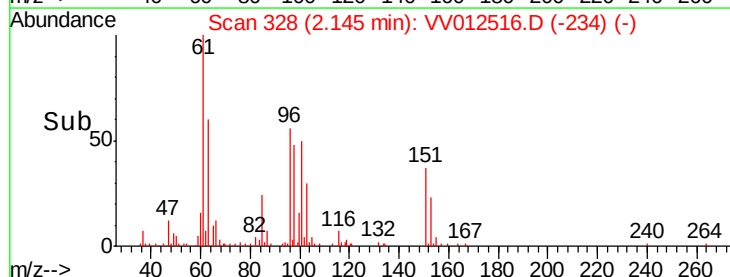
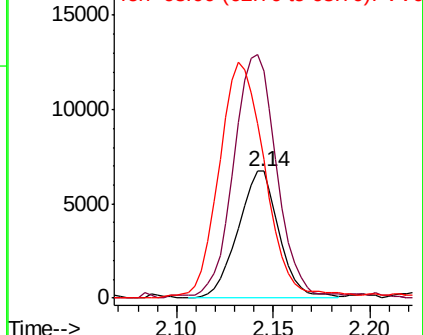
63 109.3 83.2 154.6

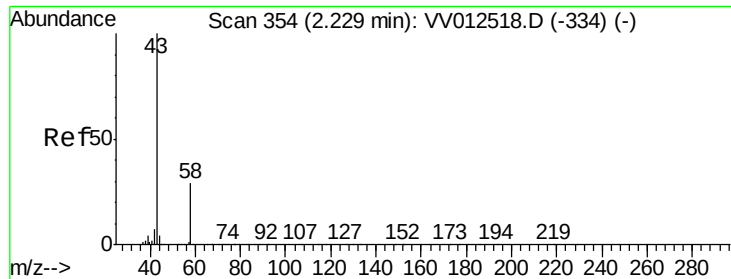


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 8.479 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

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ClientSampleId :

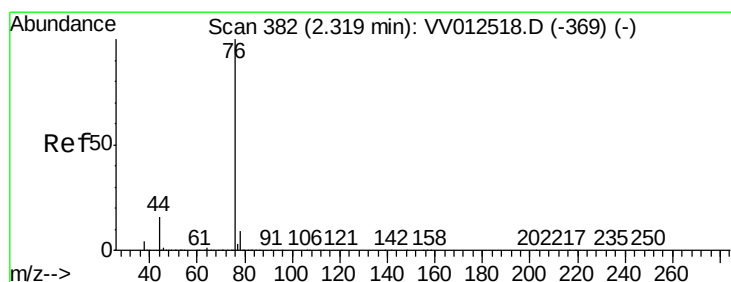
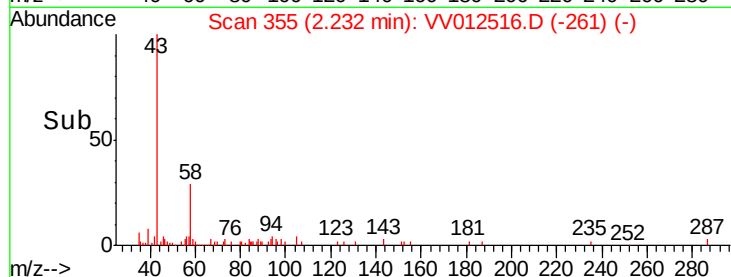
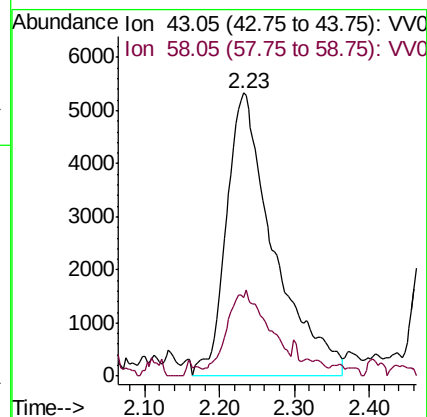
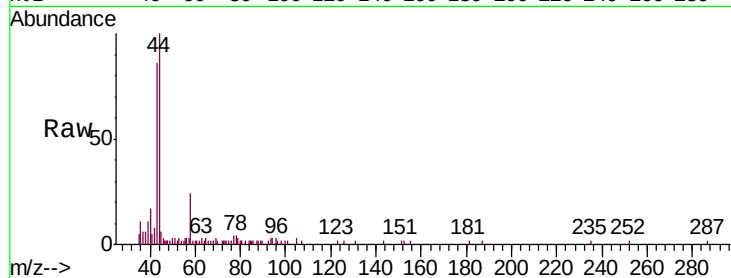
VSTD0.536

Tgt Ion: 43 Resp: 23436

Ion Ratio Lower Upper

43 100

58 22.6 0.0 58.2



#14

Carbon disulfide

Concen: 0.744 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV012516.D

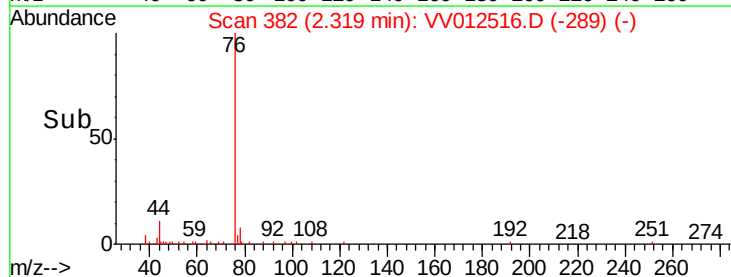
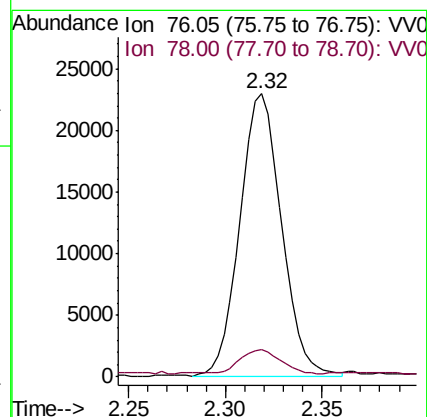
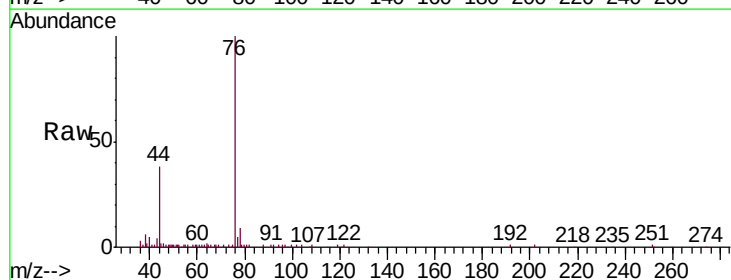
Acq: 02 Sep 2019 09:14

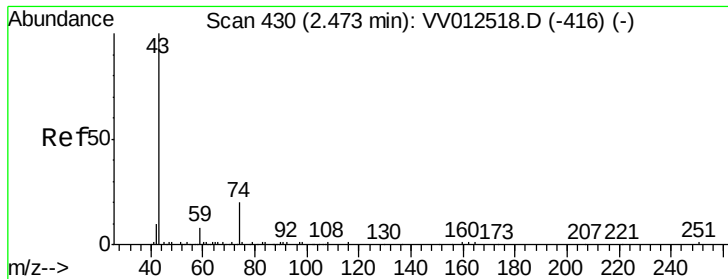
Tgt Ion: 76 Resp: 34622

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.0

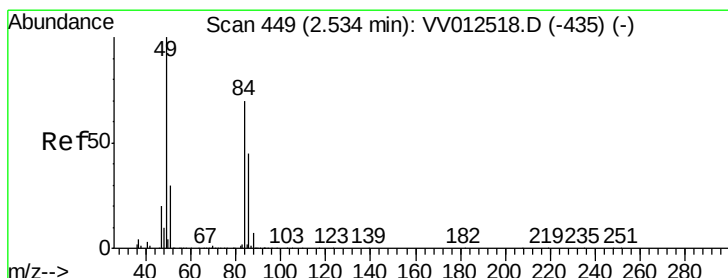
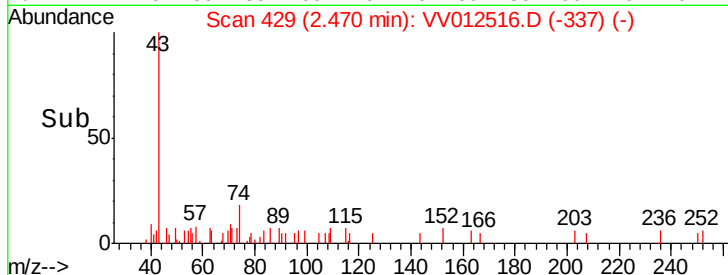
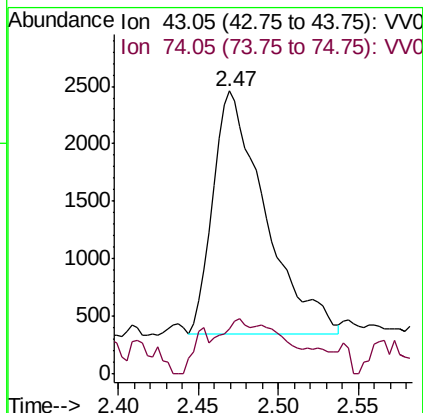
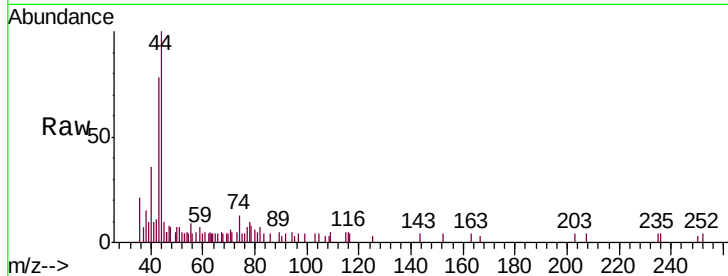




#15
Methyl Acetate
Concen: 0.688 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

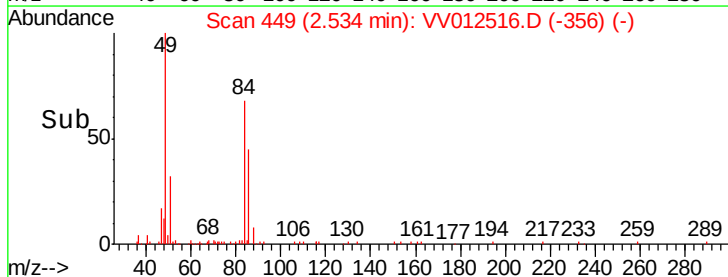
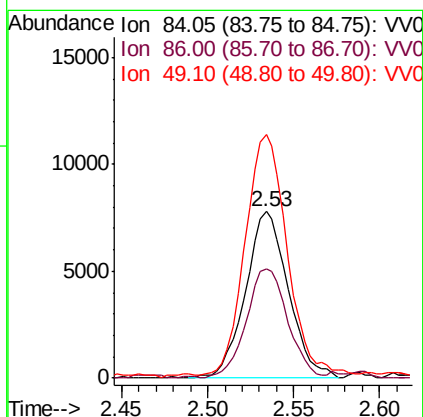
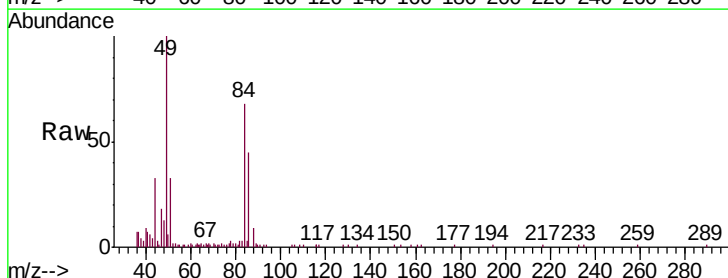
Instrument :
MSVOA_V
ClientSampled :
VSTD0.536

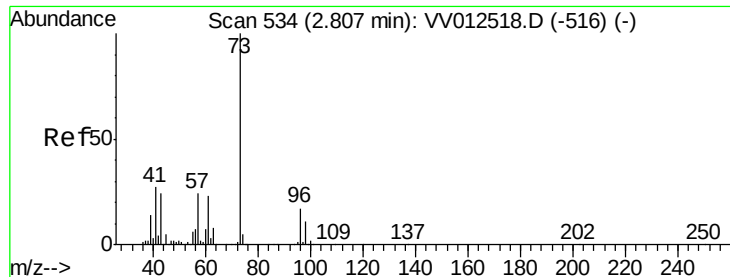
Tgt Ion: 43 Resp: 4730
Ion Ratio Lower Upper
43 100
74 4.5 17.3 25.9#



#16
Methylene chloride
Concen: 0.773 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Tgt Ion: 84 Resp: 13462
Ion Ratio Lower Upper
84 100
86 65.3 45.2 84.0
49 146.2 100.4 186.4

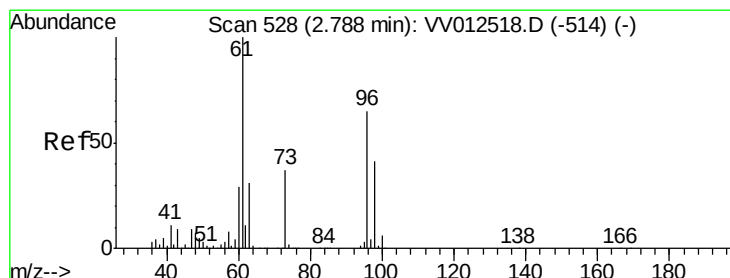
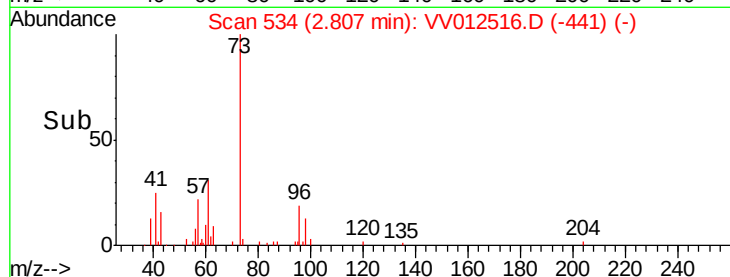
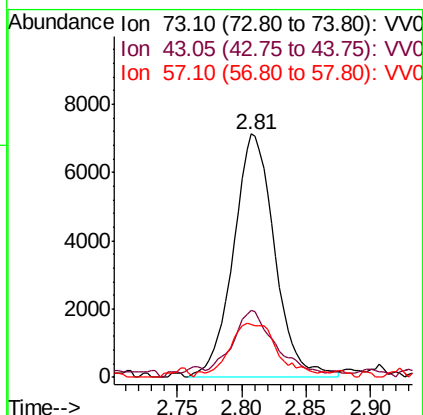
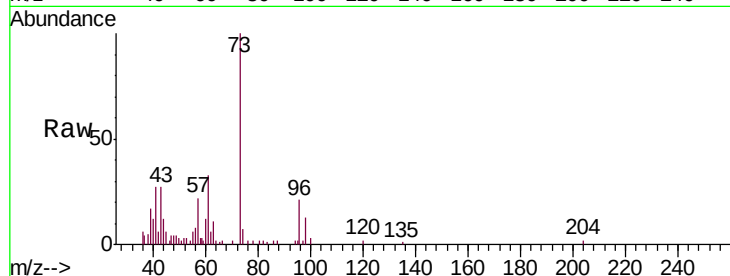




#17
Methyl tert-butyl Ether
Concen: 0.435 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

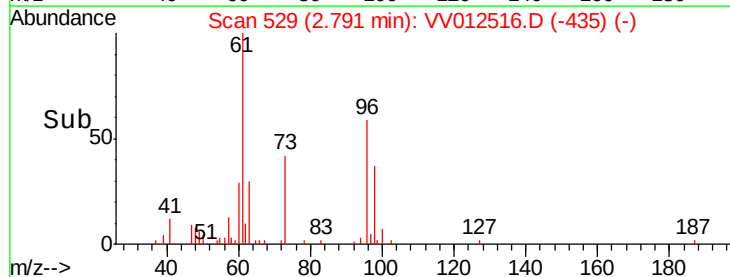
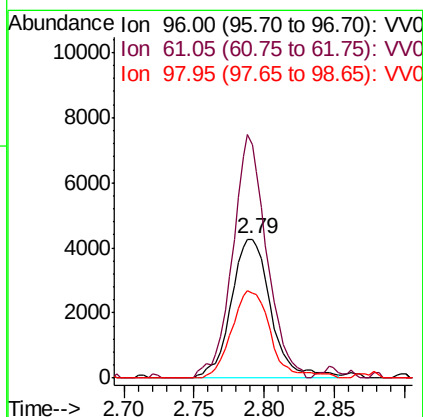
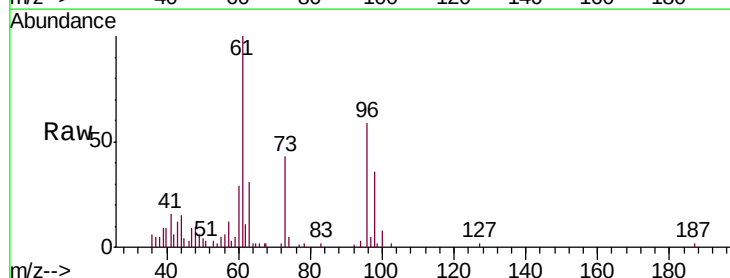
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

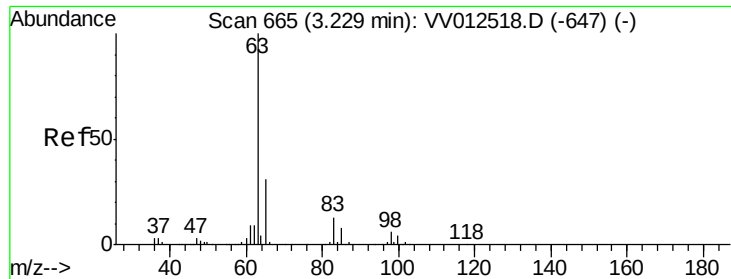
Tgt Ion: 73 Resp: 15900
Ion Ratio Lower Upper
73 100
43 24.5 18.9 28.3
57 25.6 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 0.495 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Tgt Ion: 96 Resp: 8428
Ion Ratio Lower Upper
96 100
61 168.6 107.6 199.8
98 60.9 44.4 82.4

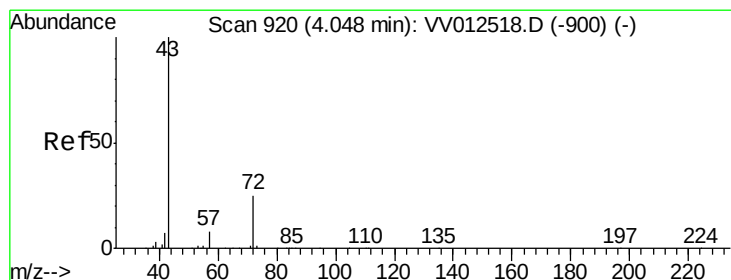
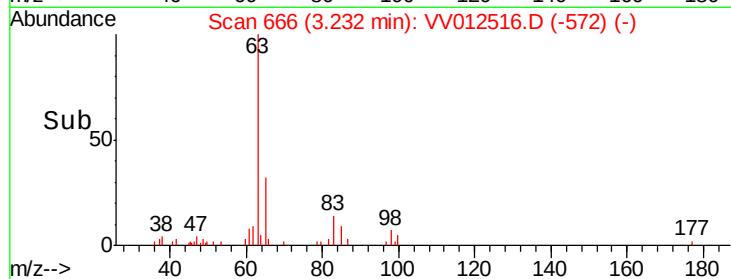
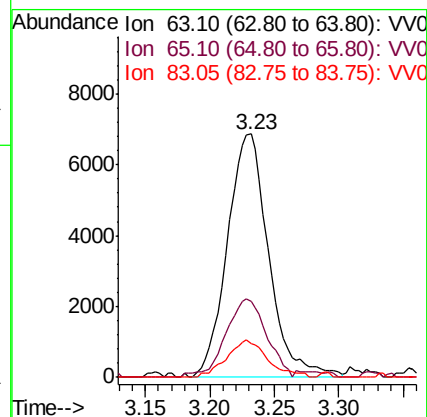
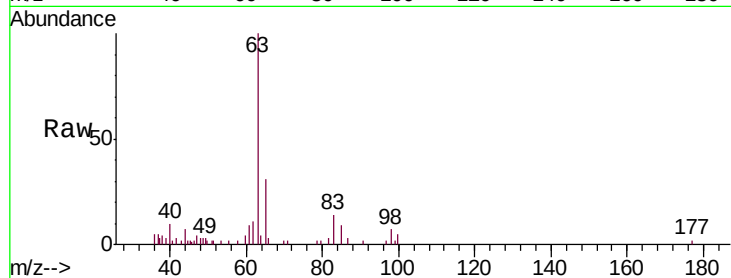




#19
 1,1-Dichloroethane
 Concen: 0.462 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

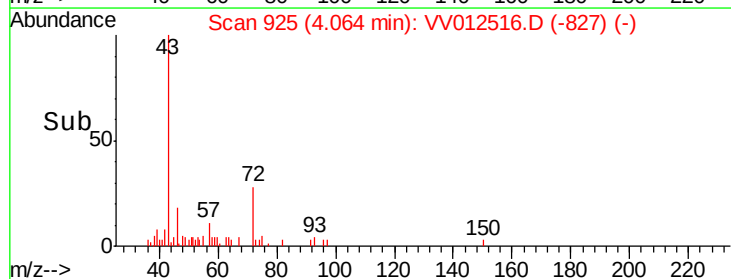
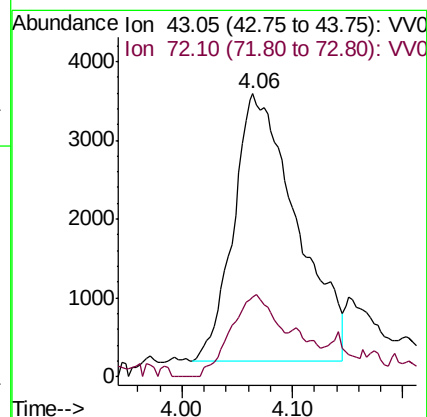
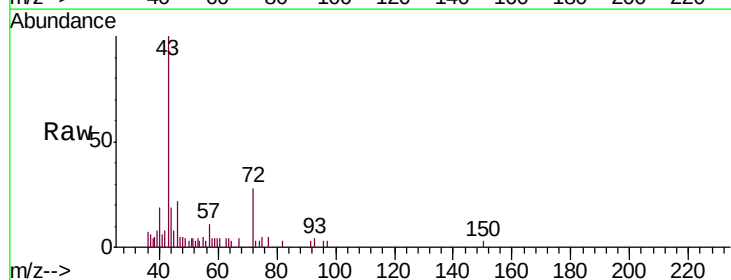
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

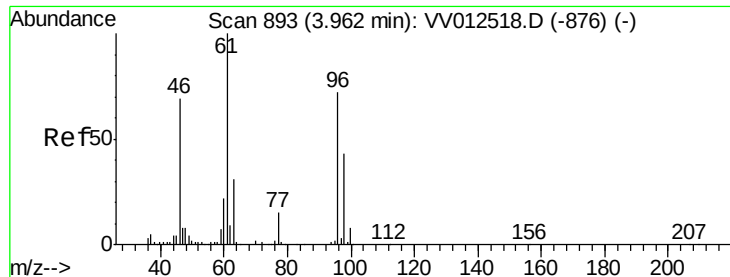
Tgt Ion:	63	Resp:	15340
Ion	Ratio	Lower	Upper
63	100		
65	31.0	21.5	39.9
83	14.0	9.1	16.9



#21
 2-Butanone
 Concen: 3.176 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.02 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion:	43	Resp:	13492
Ion	Ratio	Lower	Upper
43	100		
72	22.6	11.4	34.1





#22

cis-1,2-Dichloroethene

Concen: 0.460 ug/L

RT: 3.96 min Scan# 893

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

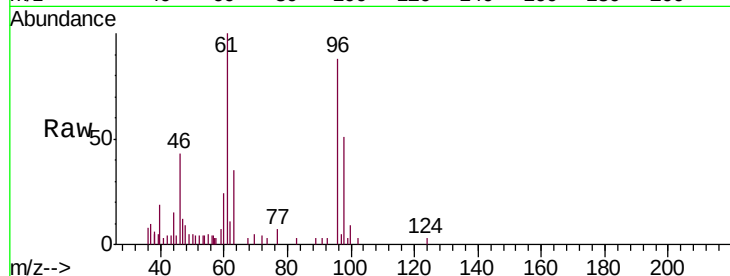
Tgt Ion: 96 Resp: 8135

Ion Ratio Lower Upper

96 100

61 113.8 97.5 181.1

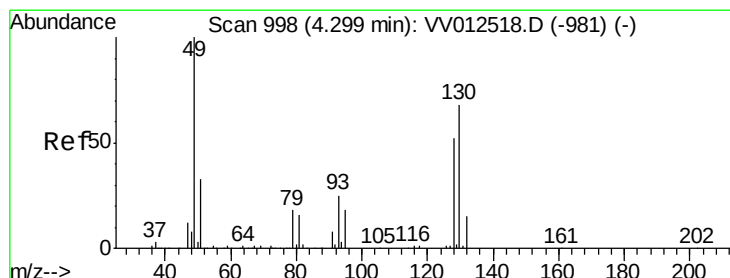
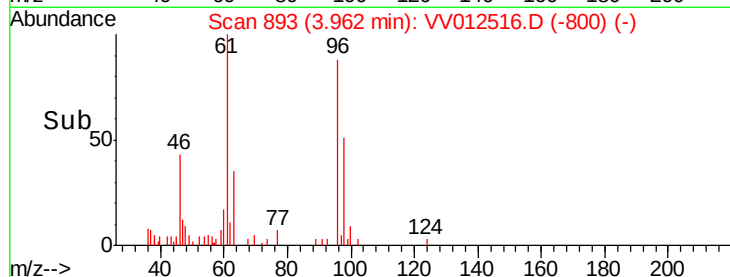
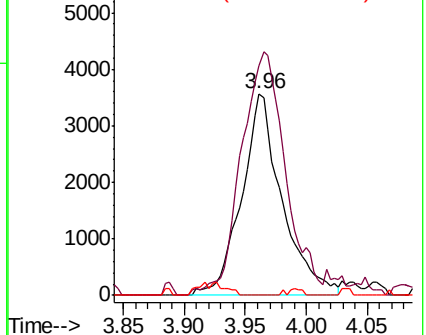
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV012516.D (-800) (-)

Ion 61.05 (60.75 to 61.75): VV012516.D (-800) (-)

Ion 68.15 (67.85 to 68.85): VV012516.D (-800) (-)



#23

Bromochloromethane

Concen: 0.450 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Tgt Ion: 128 Resp: 3411

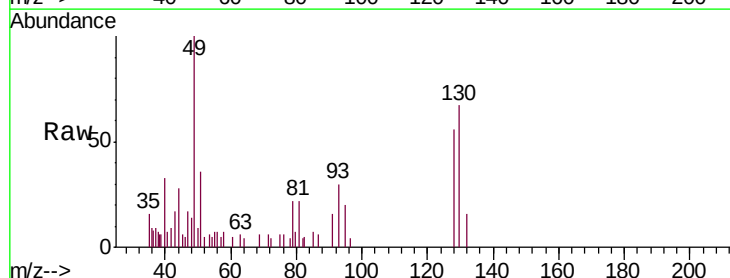
Ion Ratio Lower Upper

128 100

49 180.0 136.5 253.5

130 120.6 92.1 171.1

51 65.3 52.5 78.7

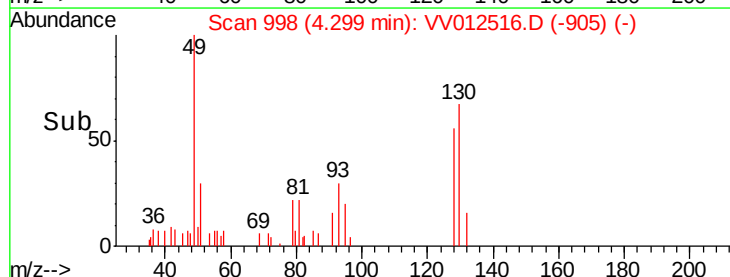
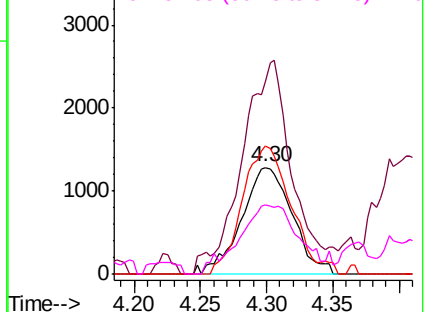


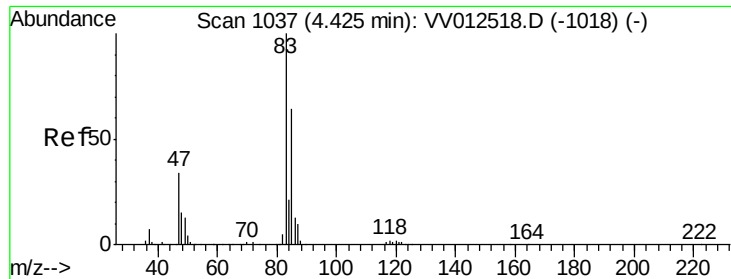
Abundance Ion 127.90 (127.60 to 128.60): VV012516.D (-905) (-)

Ion 49.10 (48.80 to 49.80): VV012516.D (-905) (-)

Ion 129.95 (129.65 to 130.65): VV012516.D (-905) (-)

Ion 51.05 (50.75 to 51.75): VV012516.D (-905) (-)

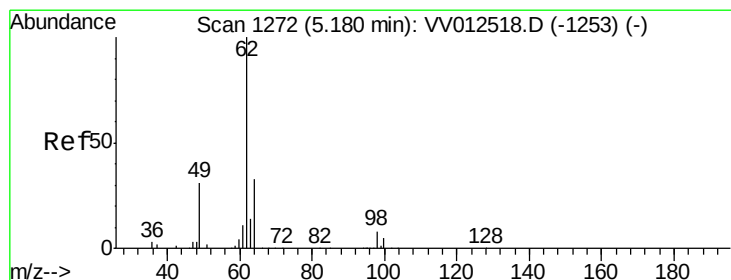
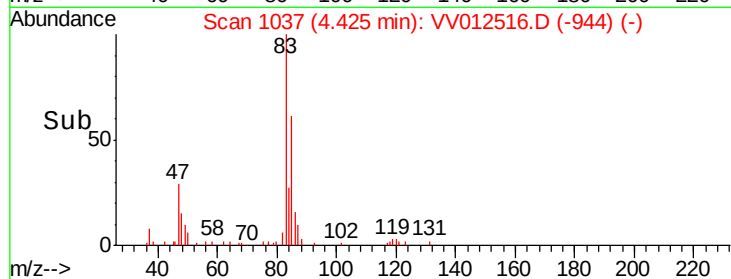
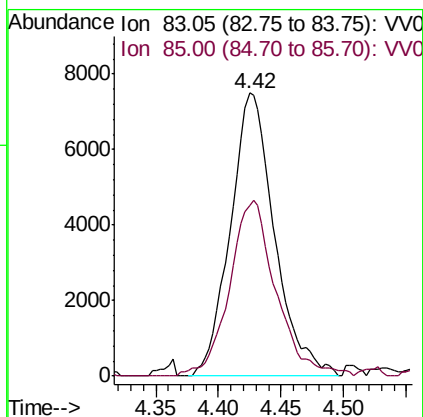
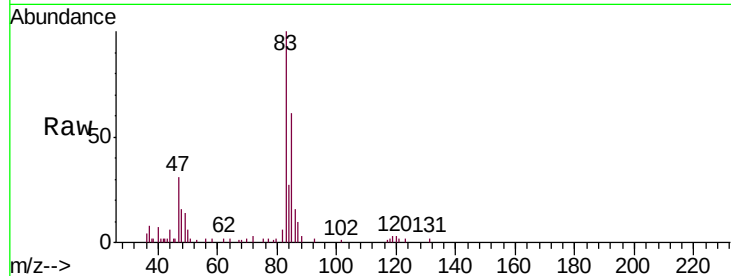




#25
Chloroform
Concen: 0.528 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

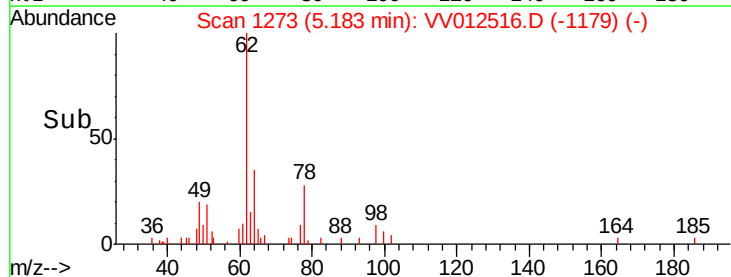
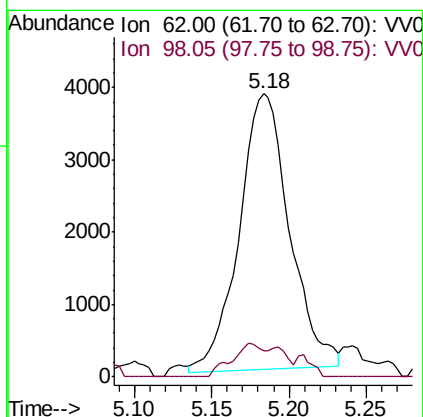
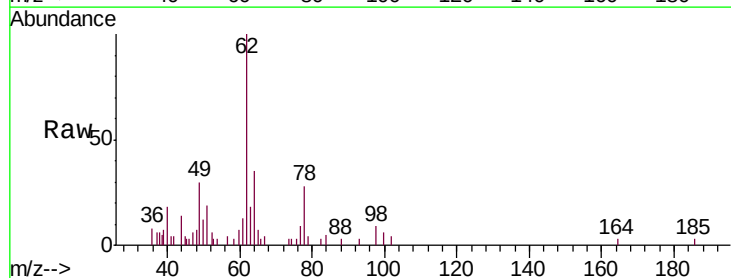
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

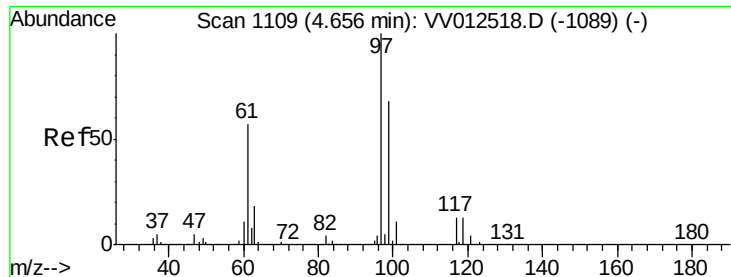
Tgt Ion: 83 Resp: 18344
Ion Ratio Lower Upper
83 100
85 60.5 45.1 83.9



#27
1,2-Dichloroethane
Concen: 0.438 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Tgt Ion: 62 Resp: 8676
Ion Ratio Lower Upper
62 100
98 9.3 6.7 10.1

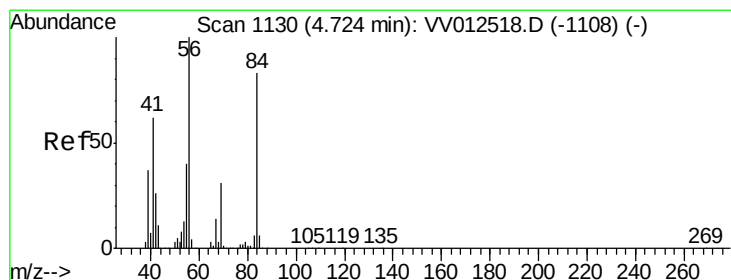
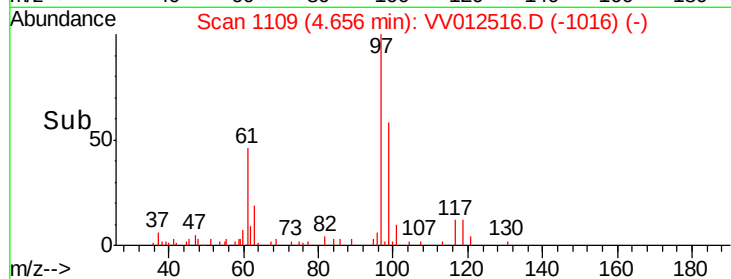
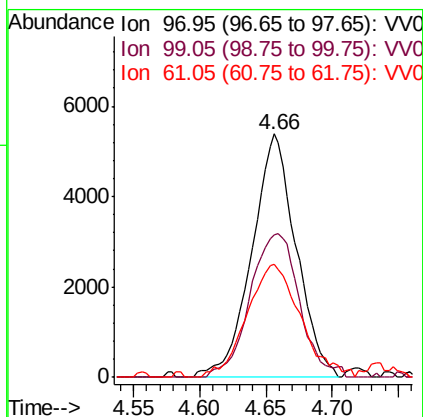
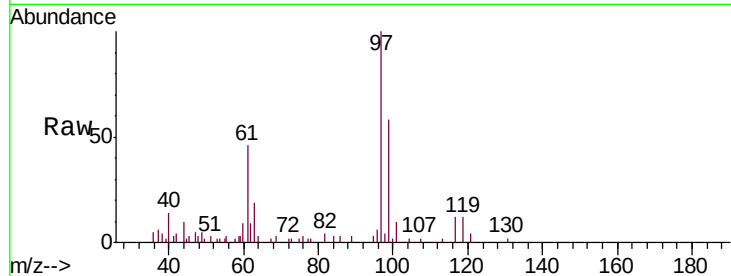




#29
 1,1,1-Trichloroethane
 Concen: 0.466 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

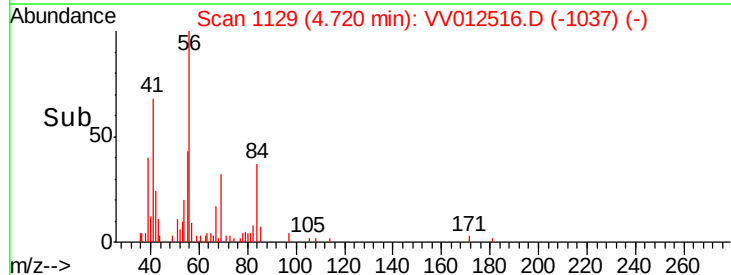
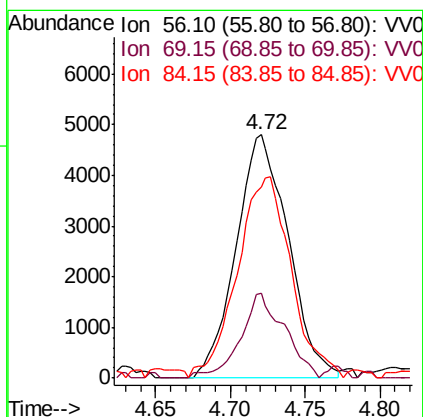
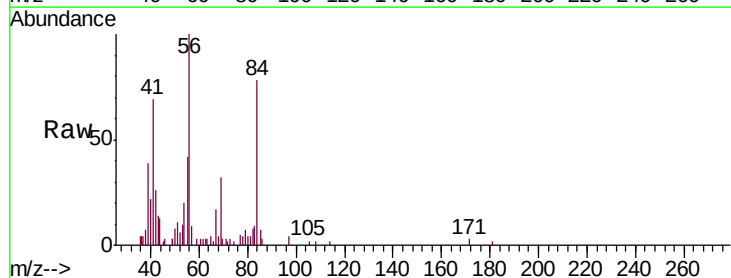
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

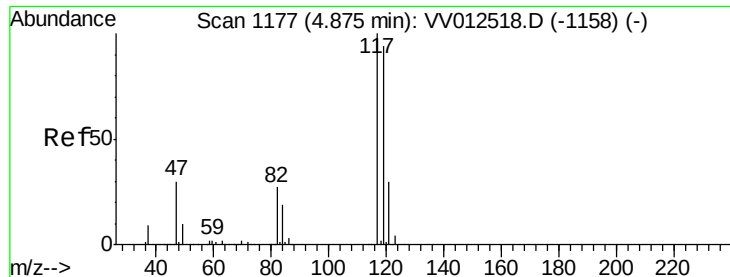
Tgt Ion: 97 Resp: 12533
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.6 79.0
 61 56.0 43.4 65.2



#30
 Cyclohexane
 Concen: 0.425 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion: 56 Resp: 11654
 Ion Ratio Lower Upper
 56 100
 69 29.2 23.5 35.3
 84 85.1 67.1 100.7





#31

Carbon tetrachloride

Concen: 0.466 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampled :

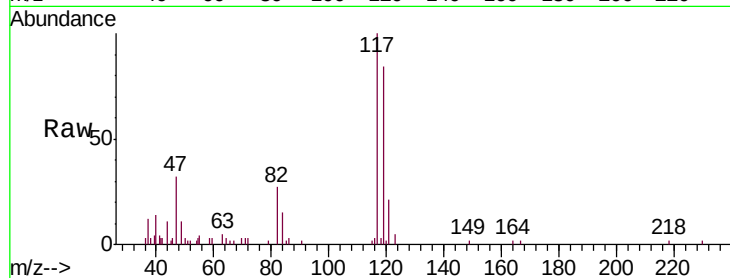
VSTD0.536

Tgt Ion:117 Resp: 11032

Ion Ratio Lower Upper

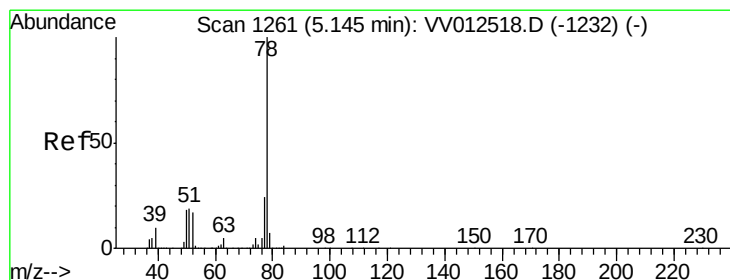
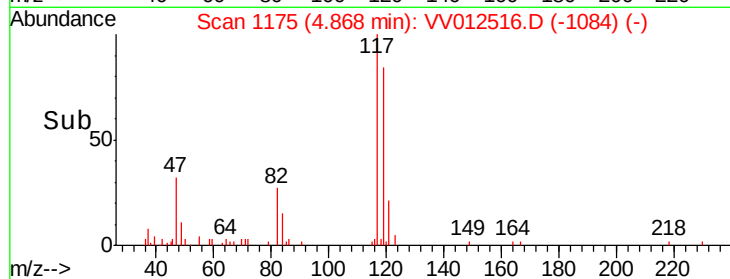
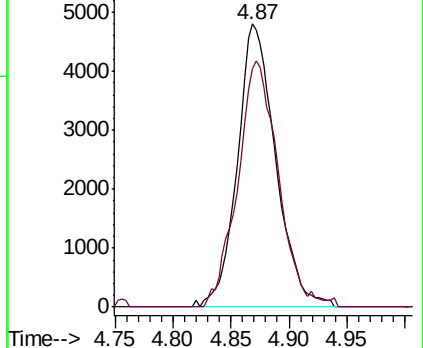
117 100

119 92.0 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.387 ug/L

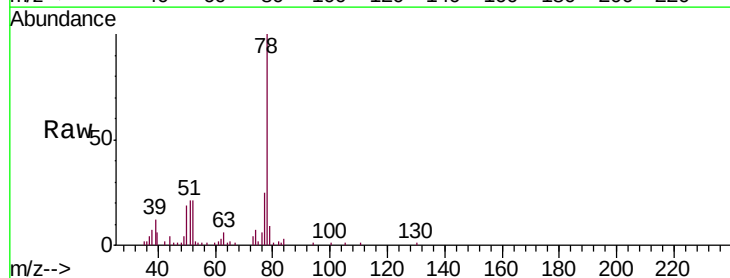
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

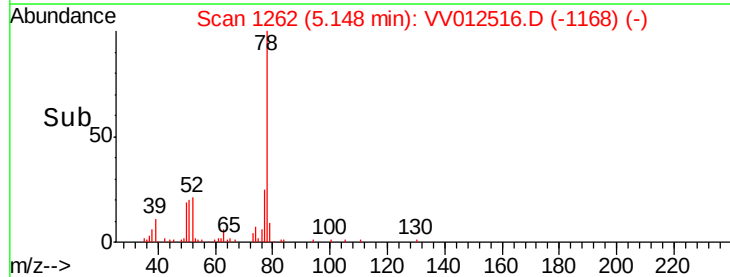
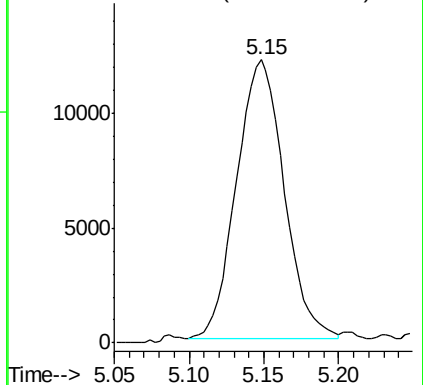
Lab File: VV012516.D

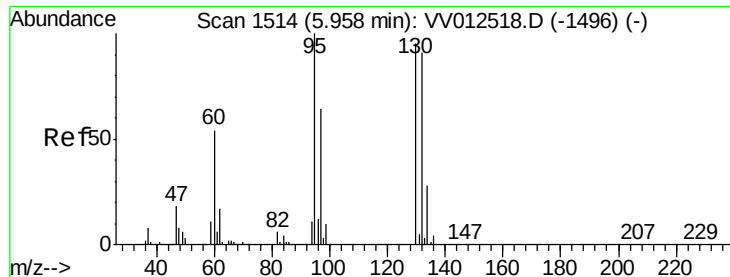
Acq: 02 Sep 2019 09:14

Tgt Ion: 78 Resp: 26755



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.507 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

Tgt Ion: 95 Resp: 8976

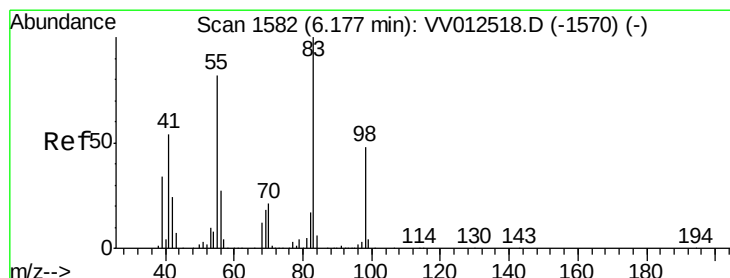
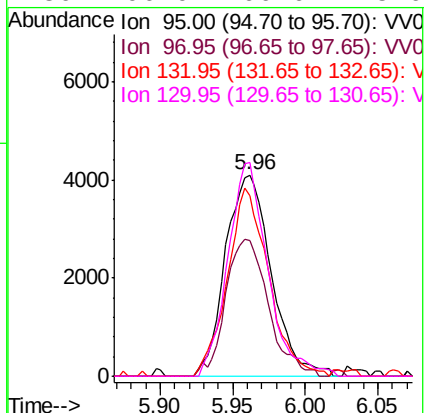
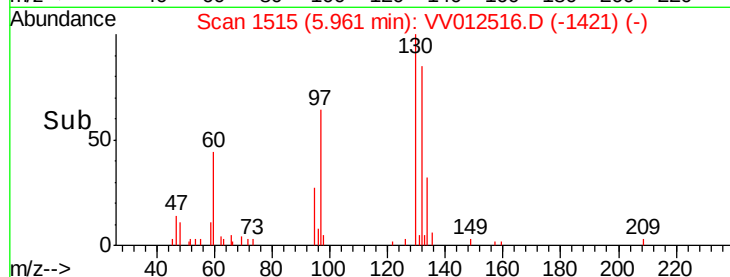
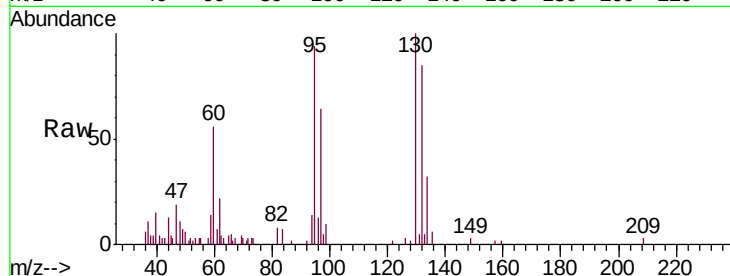
Ion Ratio Lower Upper

95 100

97 67.5 44.7 83.1

132 89.7 63.8 118.4

130 106.0 66.6 123.6



#35

Methylcyclohexane

Concen: 0.437 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

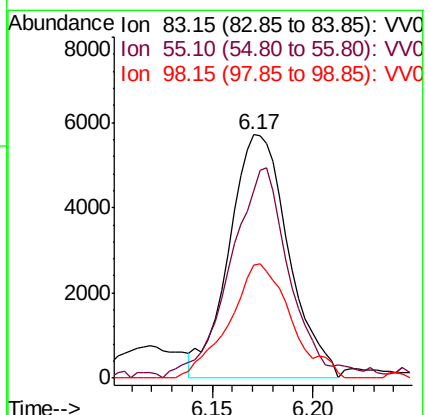
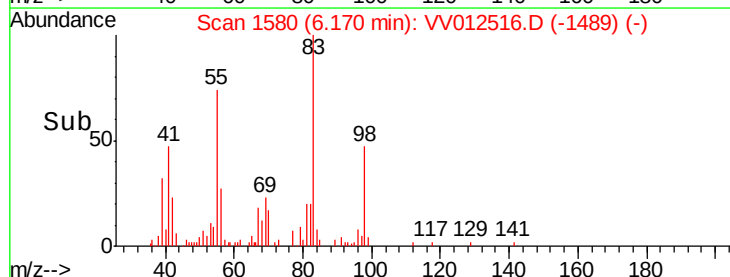
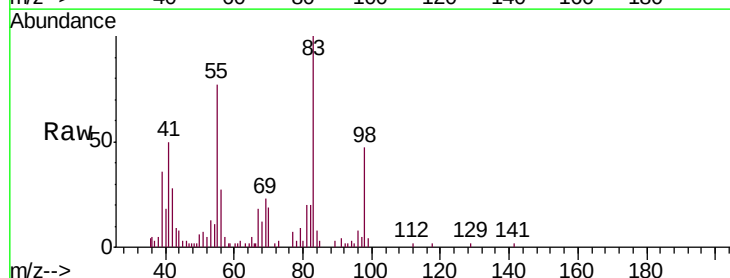
Tgt Ion: 83 Resp: 11763

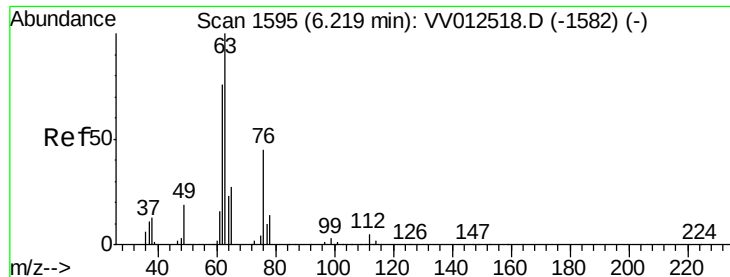
Ion Ratio Lower Upper

83 100

55 87.2 67.3 100.9

98 48.6 37.4 56.2

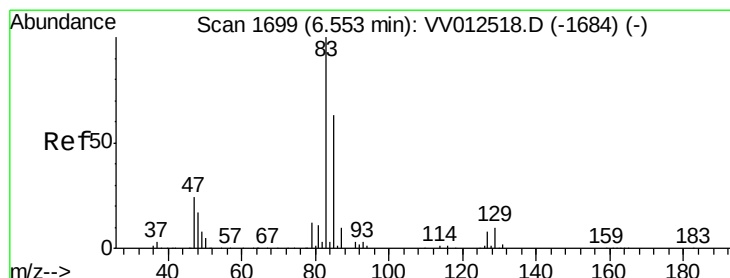
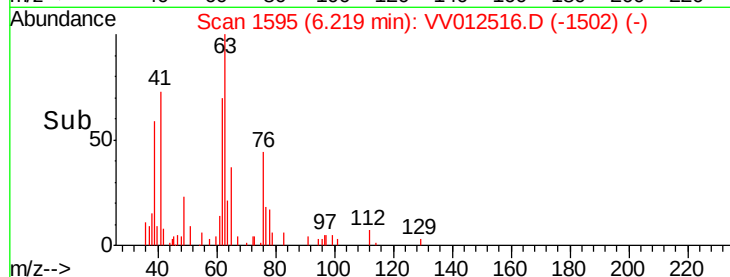
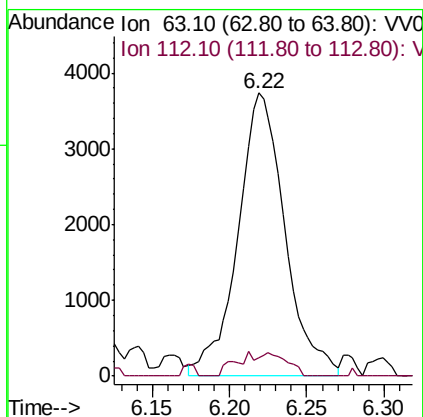
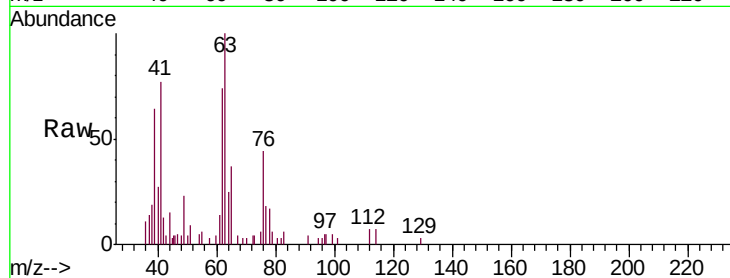




#37
 1,2-Dichloropropane
 Concen: 0.441 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

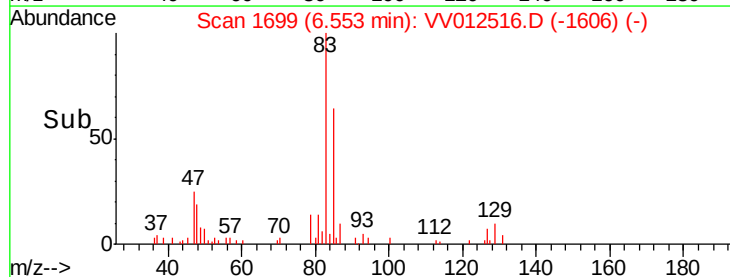
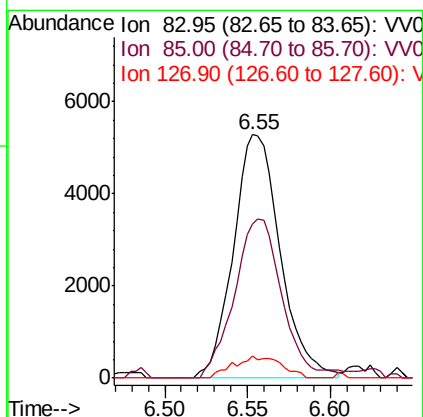
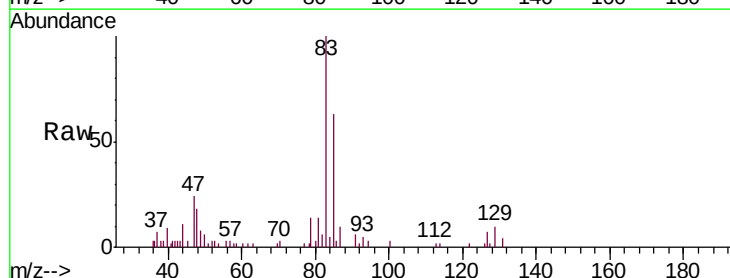
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

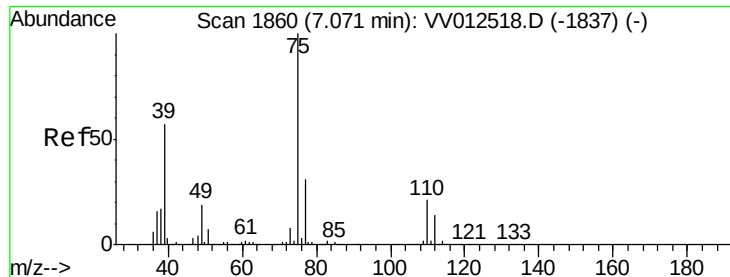
Tgt Ion: 63 Resp: 7908
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 0.461 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion: 83 Resp: 10384
 Ion Ratio Lower Upper
 83 100
 85 63.2 44.2 82.0
 127 9.3 6.2 9.2#

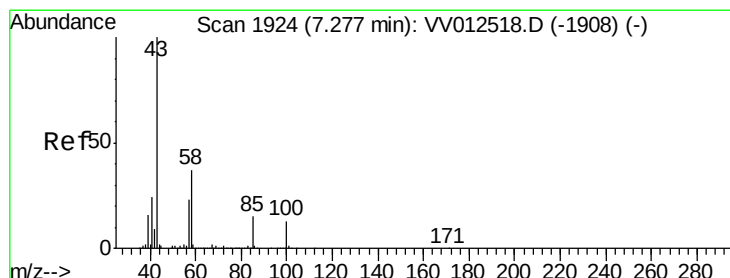
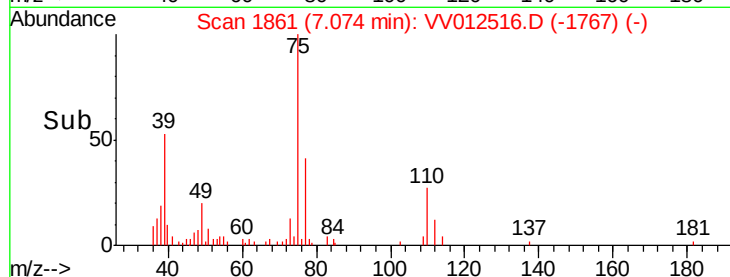
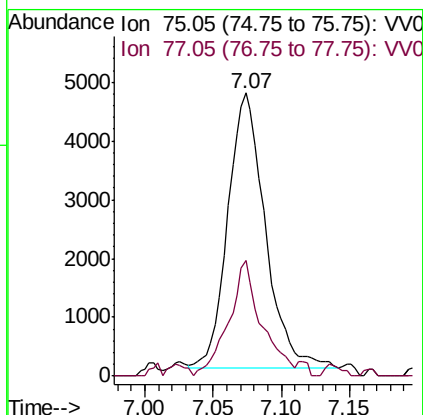
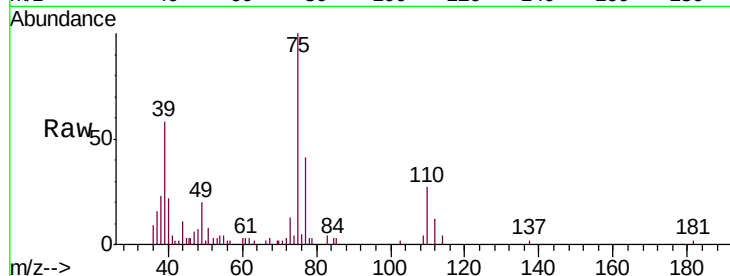




#39
 cis-1,3-Dichloropropene
 Concen: 0.381 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

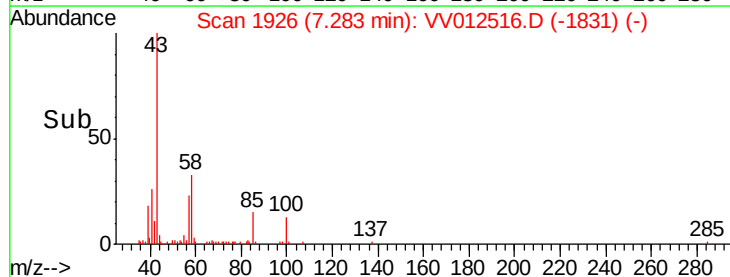
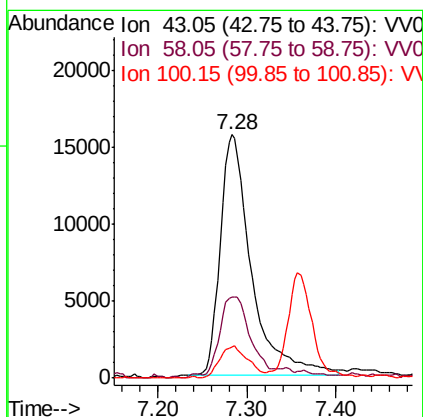
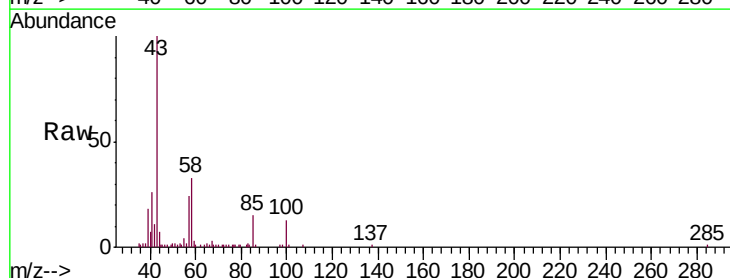
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.536

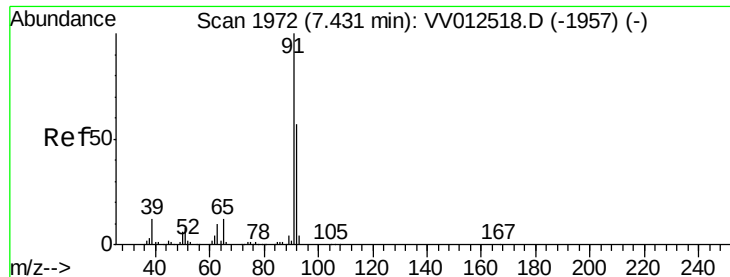
Tgt Ion: 75 Resp: 8902
 Ion Ratio Lower Upper
 75 100
 77 40.8 21.6 40.0#



#40
 4-Methyl-2-pentanone
 Concen: 3.701 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.01 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion: 43 Resp: 38229
 Ion Ratio Lower Upper
 43 100
 58 31.0 28.2 42.2
 100 12.1 9.9 14.9





#42

Toluene

Concen: 0.409 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

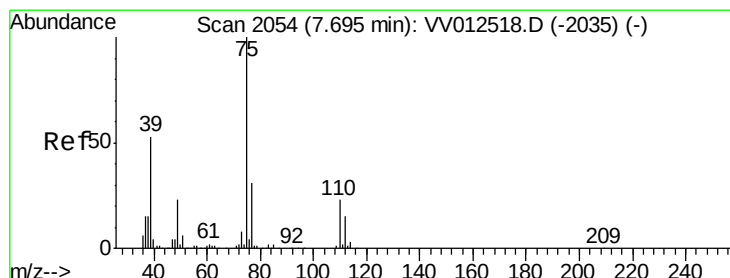
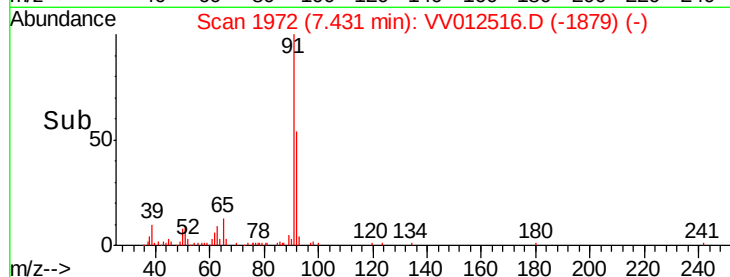
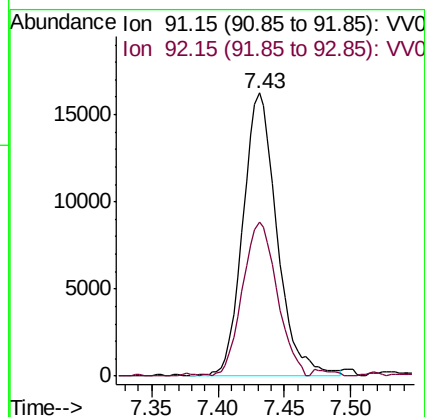
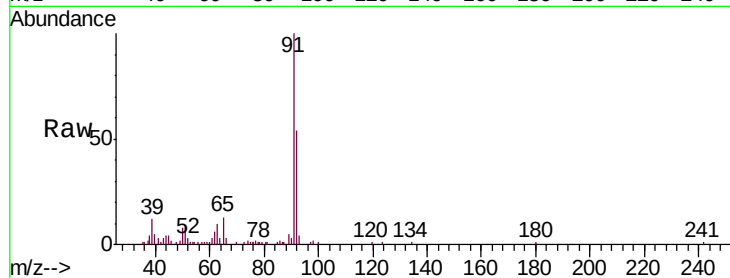
VSTD0.536

Tgt Ion: 91 Resp: 29089

Ion Ratio Lower Upper

91 100

92 54.3 39.6 73.6



#44

trans-1,3-Dichloropropene

Concen: 0.416 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV012516.D

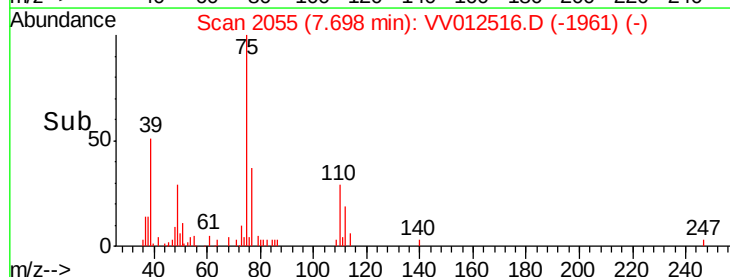
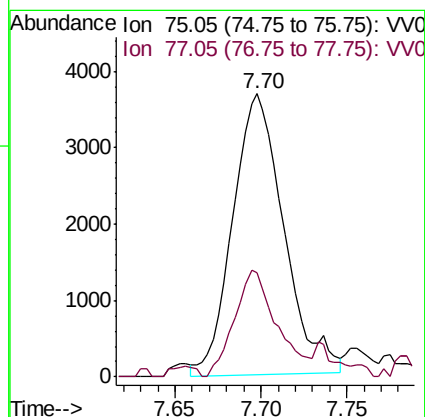
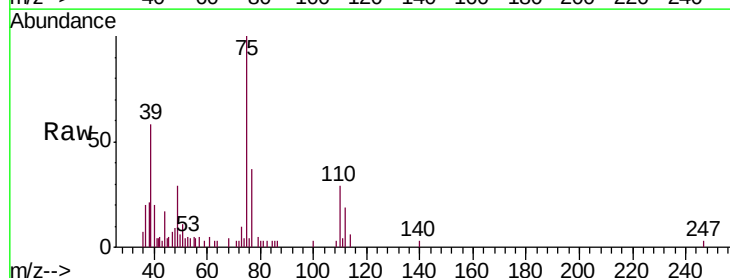
Acq: 02 Sep 2019 09:14

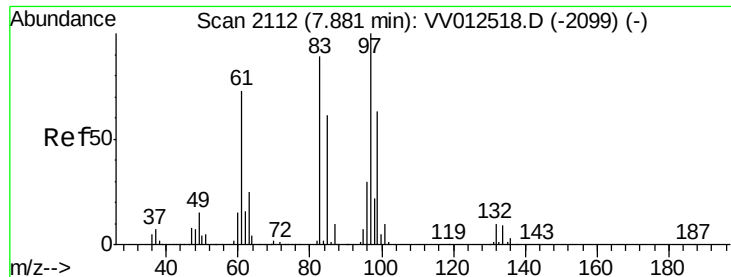
Tgt Ion: 75 Resp: 7580

Ion Ratio Lower Upper

75 100

77 36.8 22.2 41.2

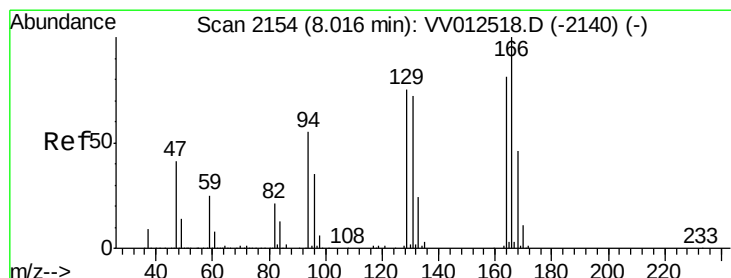
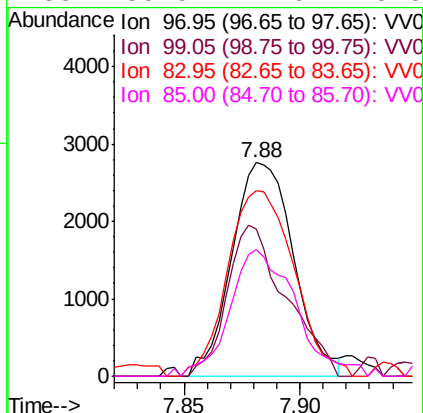
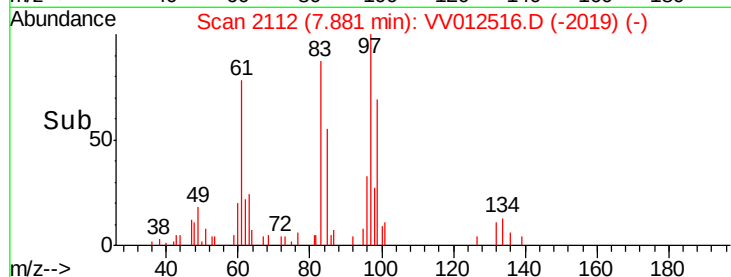
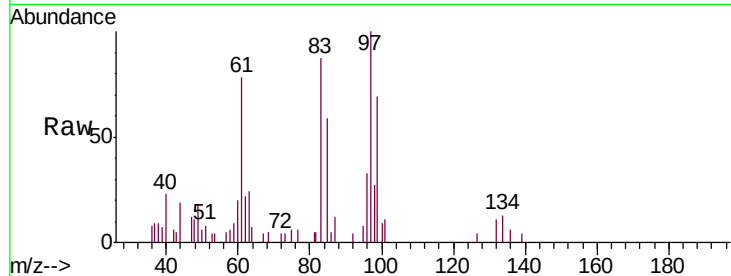




#45
 1,1,2-Trichloroethane
 Concen: 0.428 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

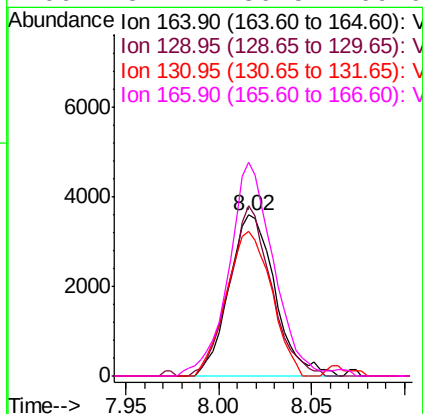
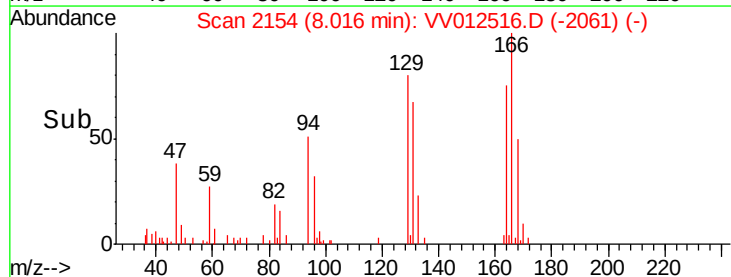
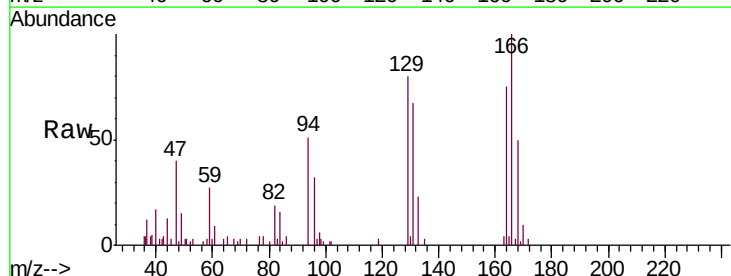
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

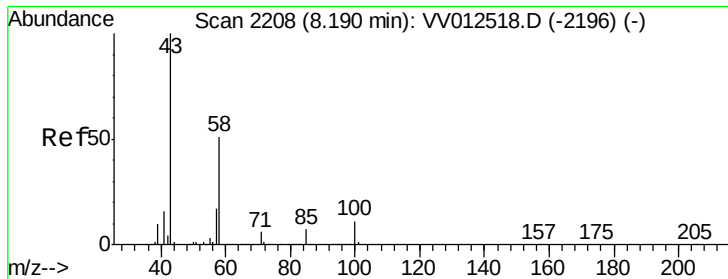
Tgt Ion:	97	Resp:	5115
Ion	Ratio	Lower	Upper
97	100		
99	69.0	44.1	81.9
83	87.2	62.7	116.5
85	59.5	42.6	79.0



#47
 Tetrachloroethene
 Concen: 0.444 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion:	164	Resp:	6205
Ion	Ratio	Lower	Upper
164	100		
129	105.8	64.5	119.9
131	89.6	62.3	115.7
166	132.7	86.5	160.6

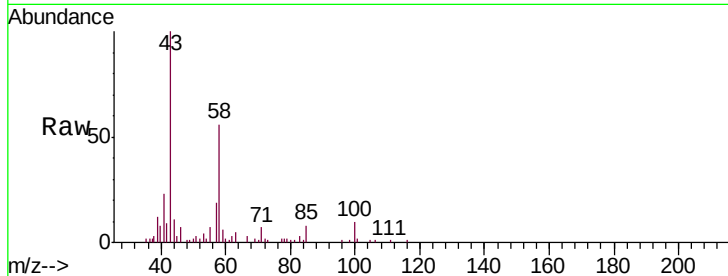




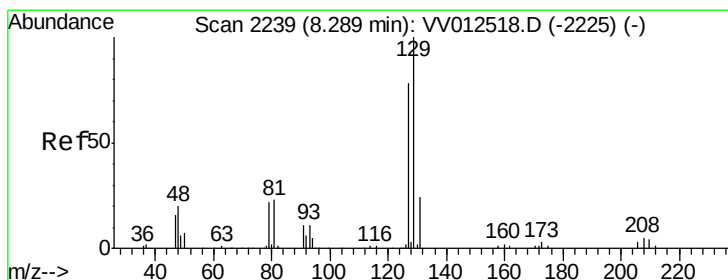
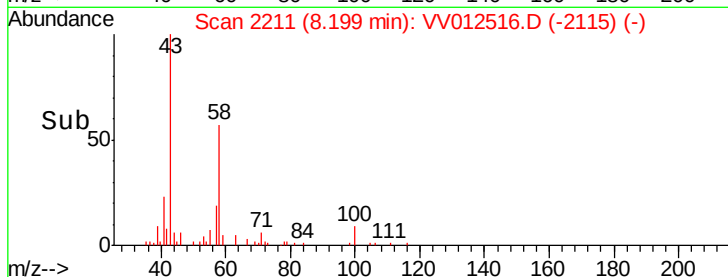
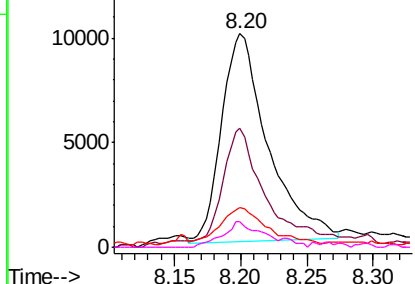
#48
2-Hexanone
Concen: 3.452 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.536

Tgt Ion:	43	Resp:	24308
Ion	Ratio	Lower	Upper
43	100		
58	54.4	40.0	60.0
57	17.3	13.4	20.2
100	9.8	8.2	12.2

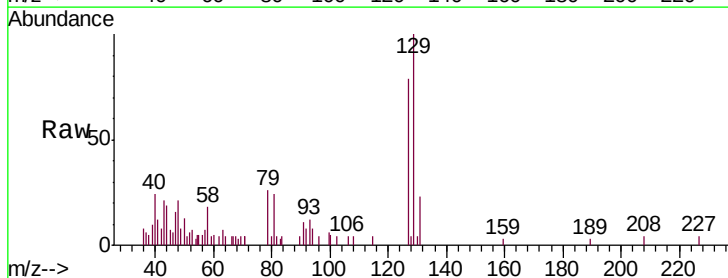


Abundance Ion 43.05 (42.75 to 43.75): VV012516.D (-2115) (-)
Ion 58.05 (57.75 to 58.75): VV012516.D (-2115) (-)
Ion 57.20 (56.90 to 57.90): VV012516.D (-2115) (-)
Ion 100.15 (99.85 to 100.85): VV012516.D (-2115) (-)

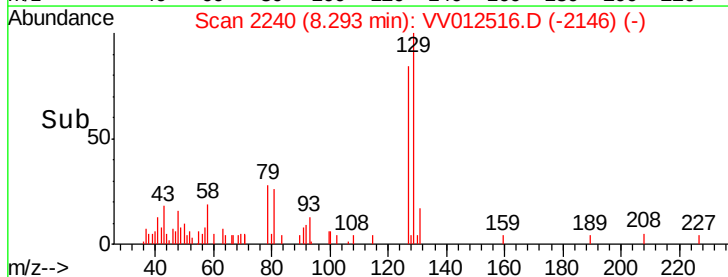
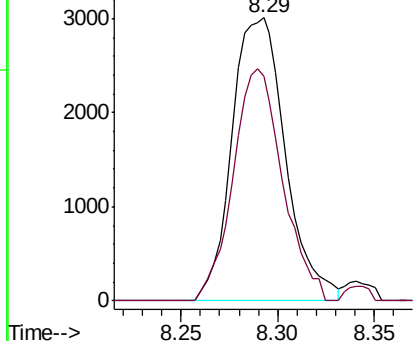


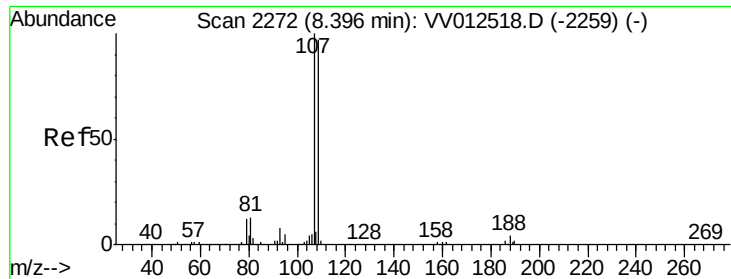
#49
Dibromochloromethane
Concen: 0.426 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV012516.D
Acq: 02 Sep 2019 09:14

Tgt Ion:	129	Resp:	5791
Ion	Ratio	Lower	Upper
129	100		
127	79.3	54.9	102.1



Abundance Ion 128.95 (128.65 to 129.65): VV012516.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV012516.D (-2146) (-)

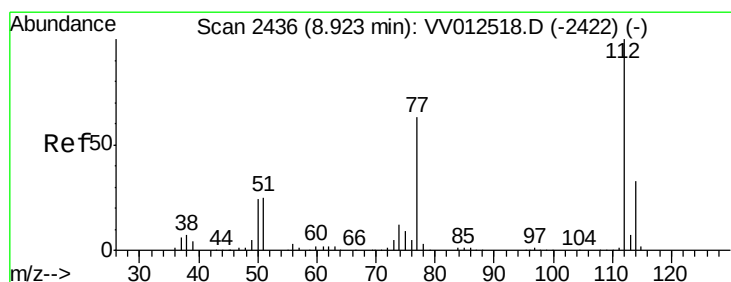
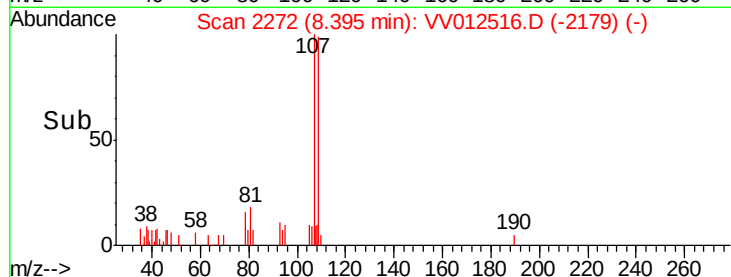
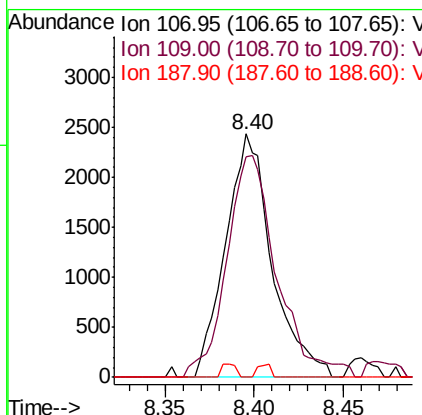
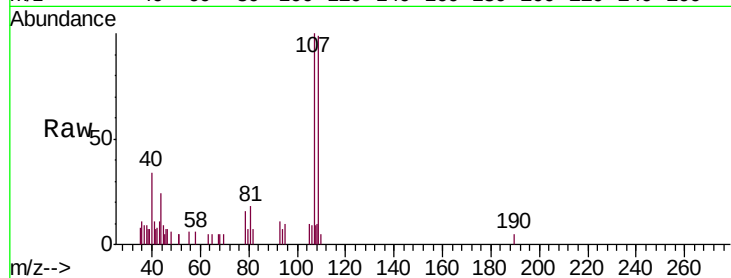




#50
 1,2-Dibromoethane
 Concen: 0.419 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

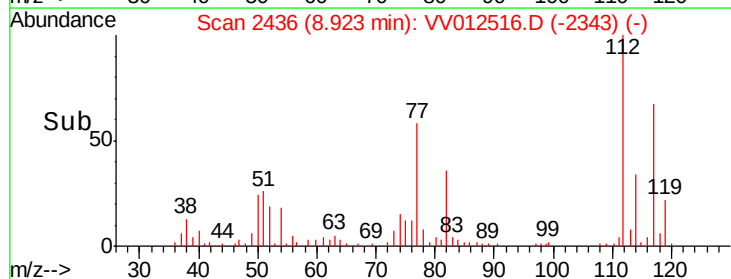
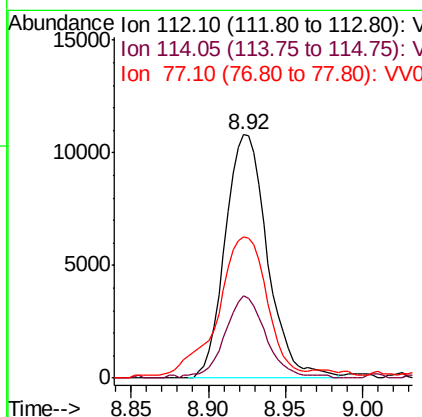
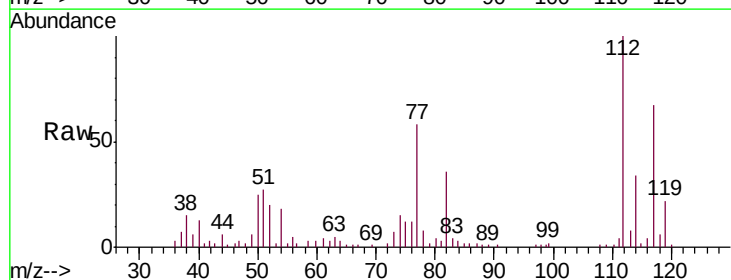
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

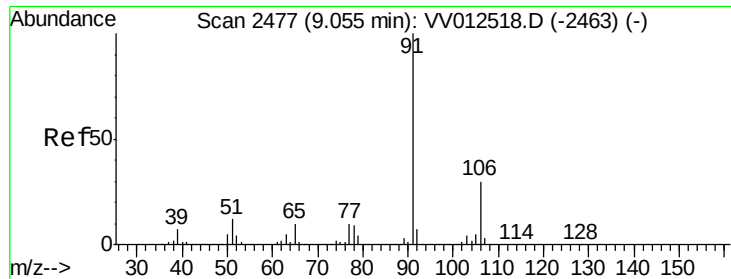
Tgt Ion:107 Resp: 4404
 Ion Ratio Lower Upper
 107 100
 109 90.4 67.8 125.8
 188 0.0 3.2 4.8#



#51
 Chlorobenzene
 Concen: 0.455 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion:112 Resp: 20468
 Ion Ratio Lower Upper
 112 100
 114 33.8 23.0 42.6
 77 57.8 50.4 75.6





#52

Ethylbenzene

Concen: 0.414 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

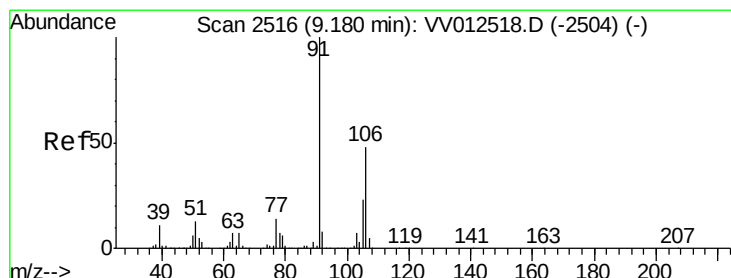
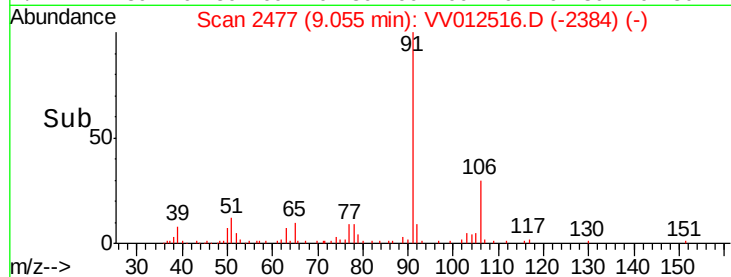
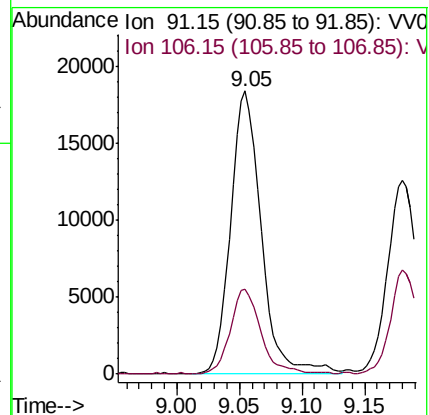
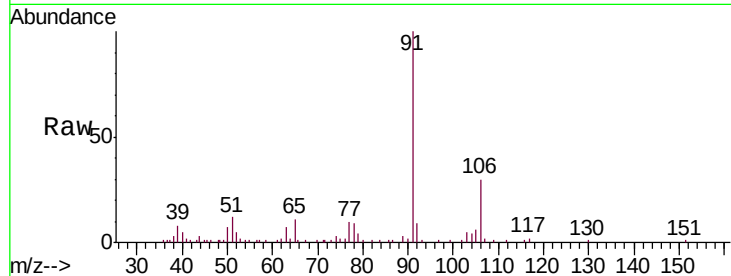
VSTD0.536

Tgt Ion: 91 Resp: 31319

Ion Ratio Lower Upper

91 100

106 30.2 21.1 39.3



#53

m,p-xylene

Concen: 0.417 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012516.D

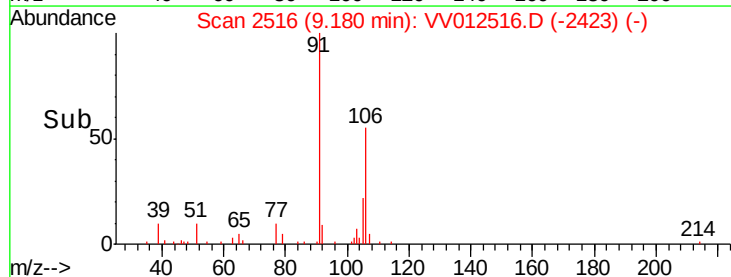
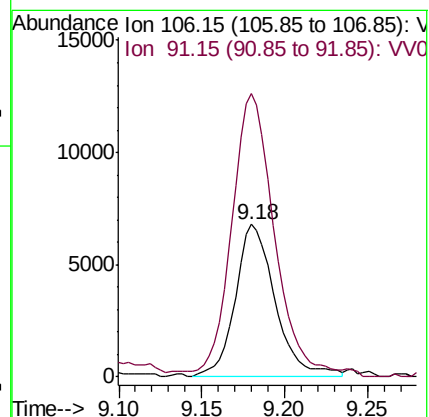
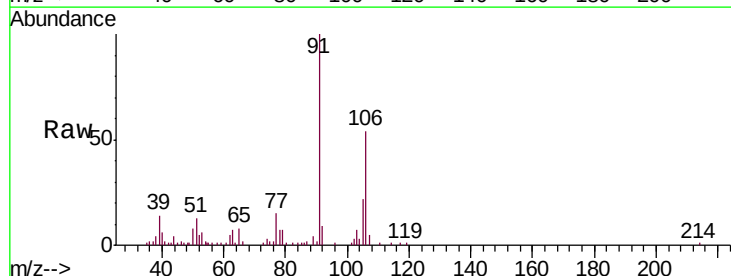
Acq: 02 Sep 2019 09:14

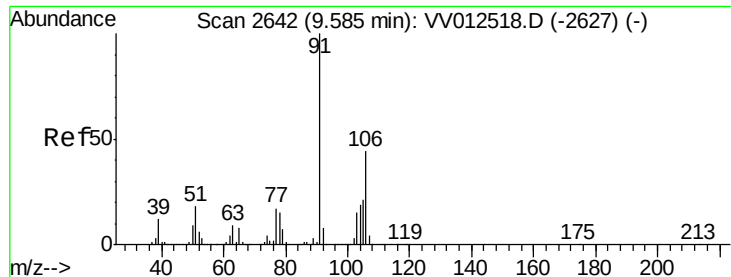
Tgt Ion: 106 Resp: 11423

Ion Ratio Lower Upper

106 100

91 185.8 145.8 270.8





#54

o-xylene

Concen: 0.378 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

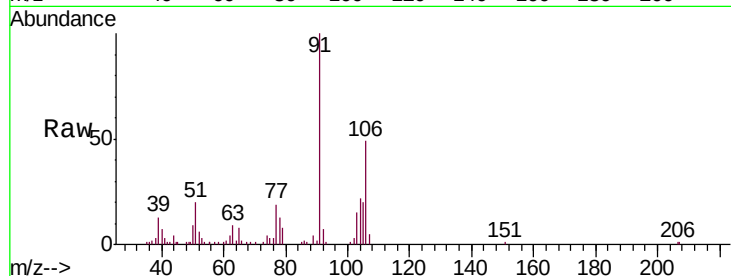
VSTD0.536

Tgt Ion:106 Resp: 10158

Ion Ratio Lower Upper

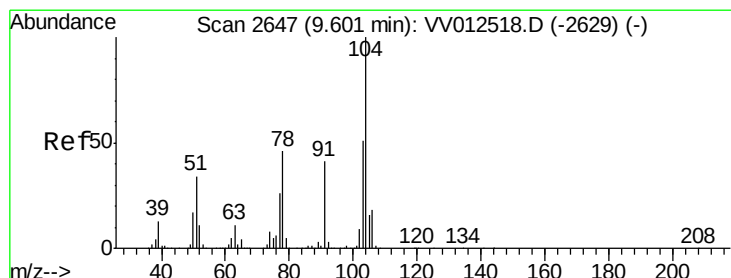
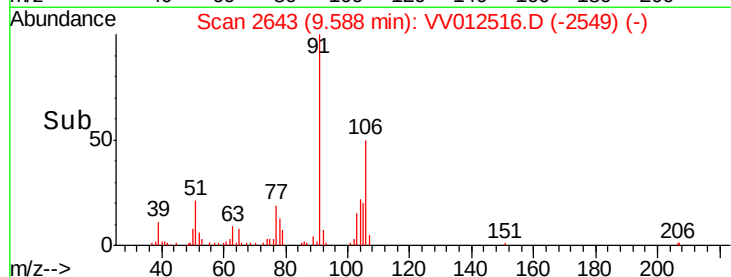
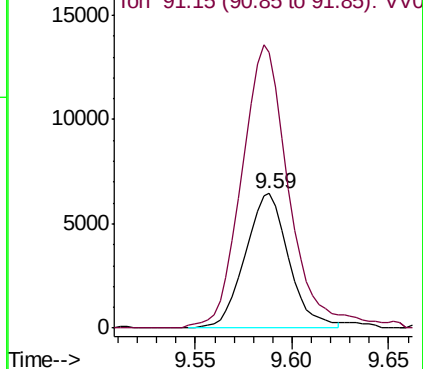
106 100

91 204.6 159.5 296.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.361 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV012516.D

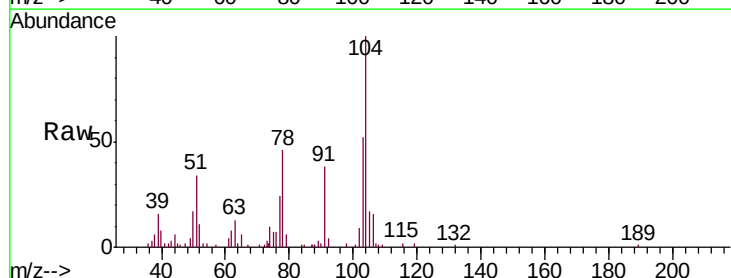
Acq: 02 Sep 2019 09:14

Tgt Ion:104 Resp: 16176

Ion Ratio Lower Upper

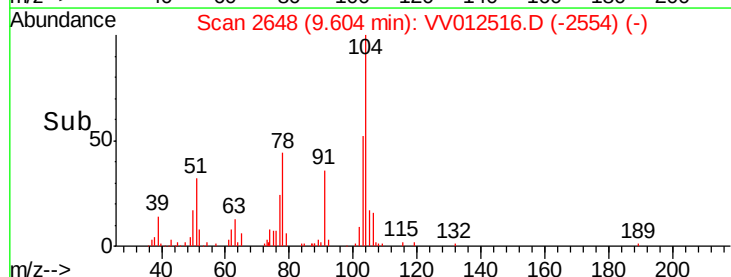
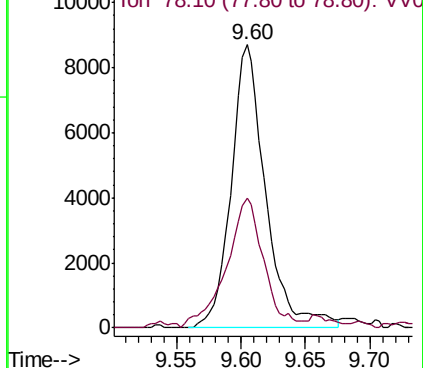
104 100

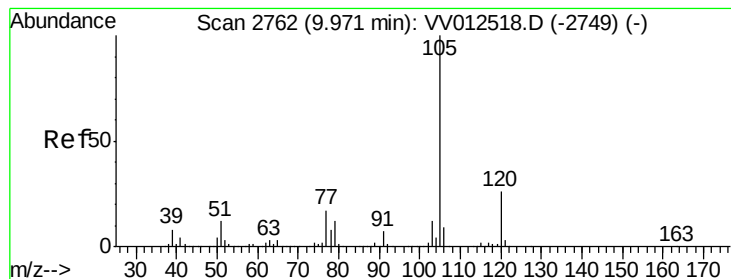
78 45.8 32.3 60.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.382 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

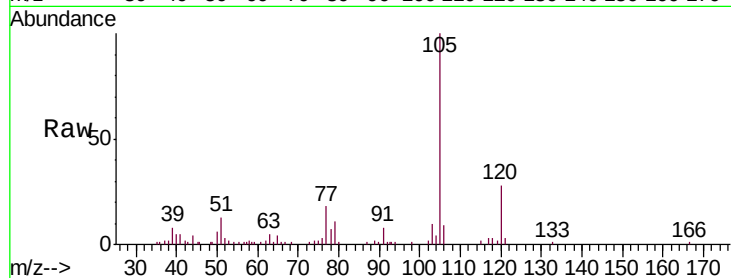
Tgt Ion: 105 Resp: 27150

Ion Ratio Lower Upper

105 100

120 26.9 20.9 31.3

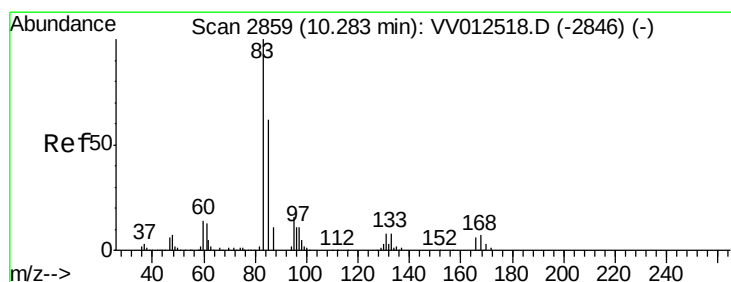
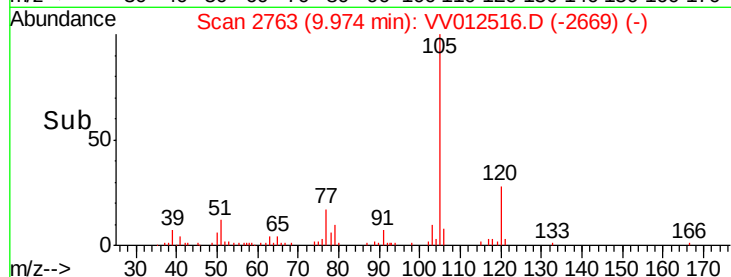
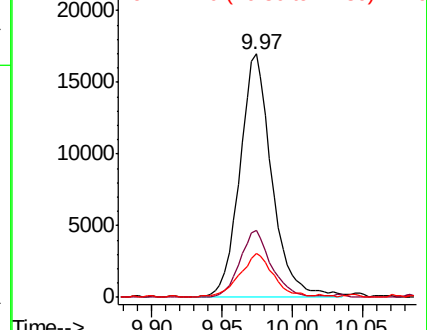
77 18.9 13.5 20.3



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: 0.394 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

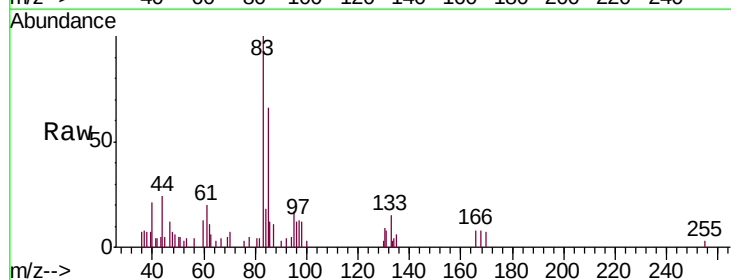
Tgt Ion: 83 Resp: 5482

Ion Ratio Lower Upper

83 100

85 66.2 43.8 81.4

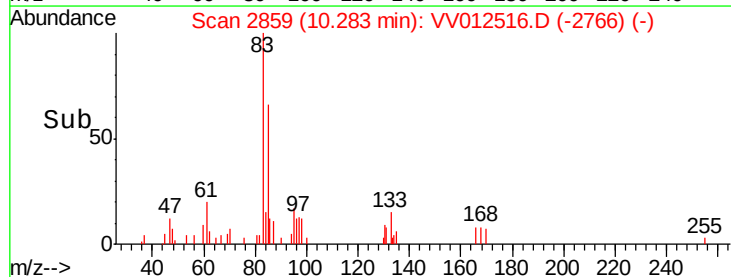
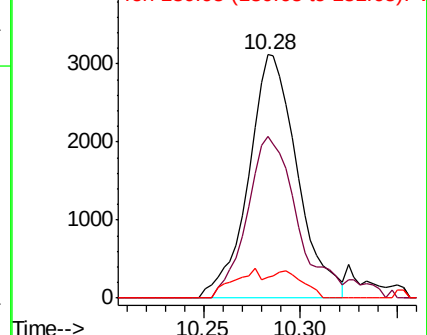
131 8.3 6.6 10.0

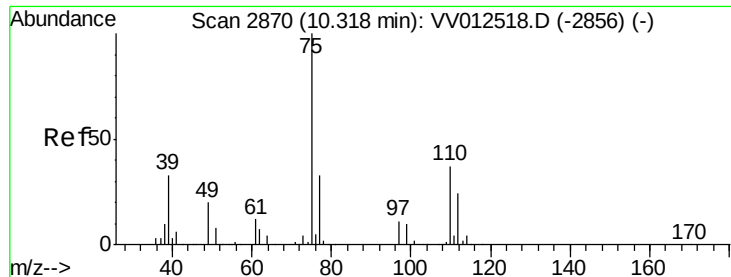


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

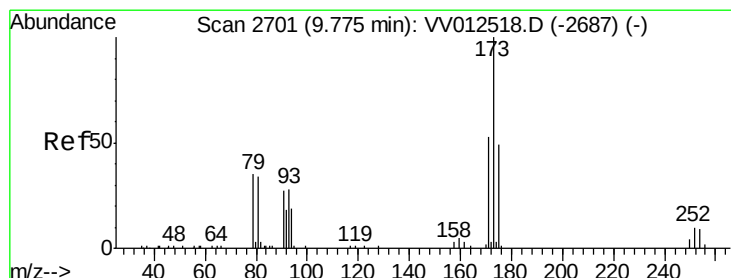
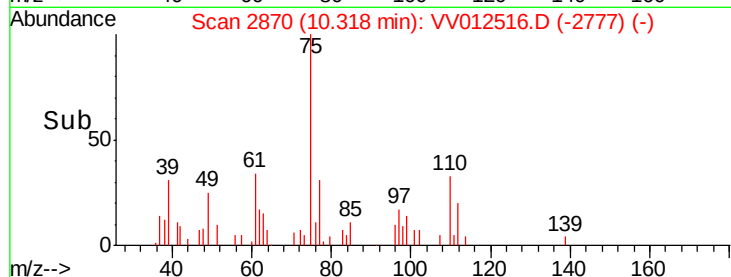
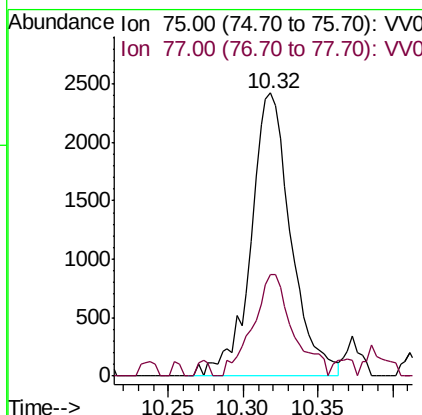
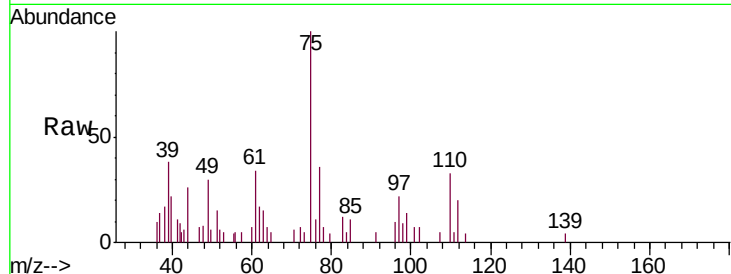




#59
 1,2,3-Trichloropropane
 Concen: 0.450 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

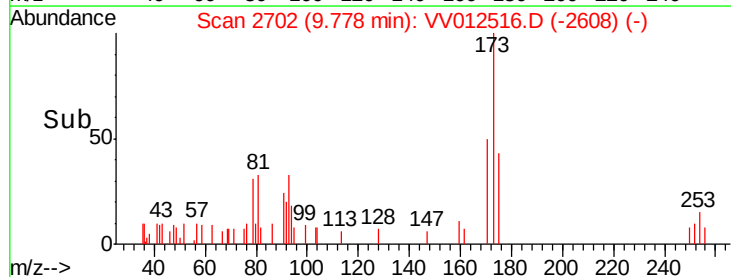
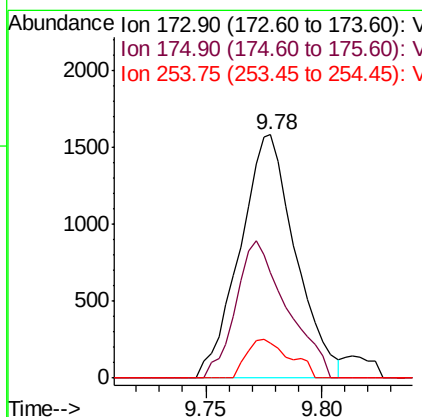
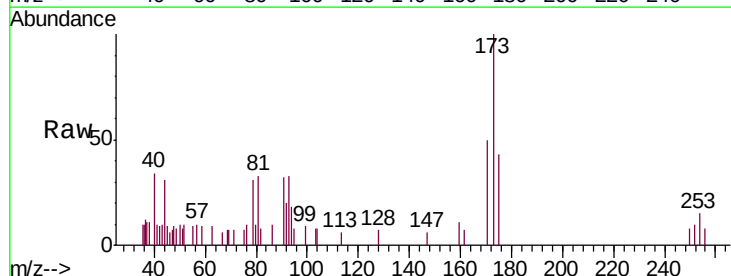
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

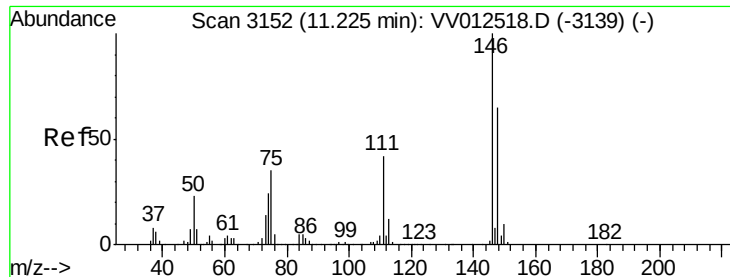
Tgt Ion: 75 Resp: 4513
 Ion Ratio Lower Upper
 75 100
 77 35.7 26.7 40.1



#61
 Bromoform
 Concen: 0.389 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion: 173 Resp: 2634
 Ion Ratio Lower Upper
 173 100
 175 51.7 39.1 58.7
 254 12.4 7.4 11.2#

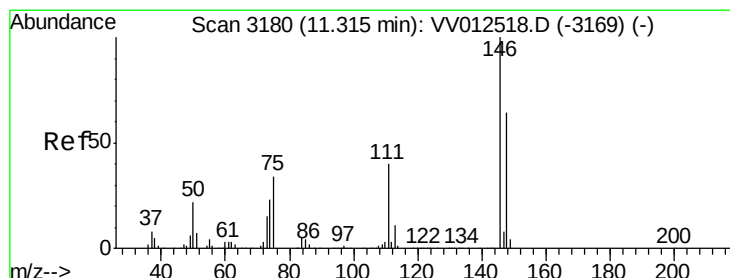
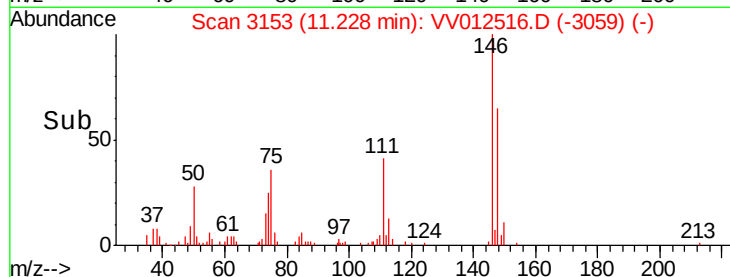
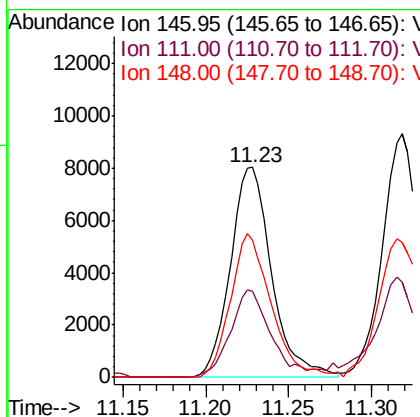
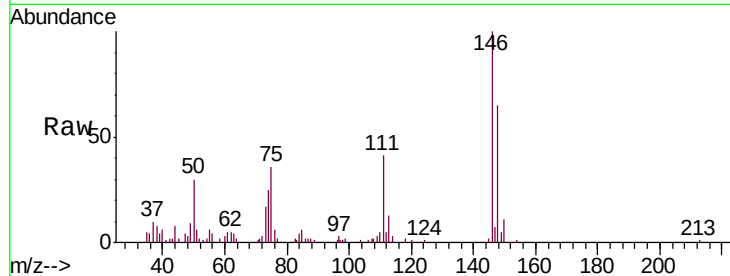




#62
 1,3-Dichlorobenzene
 Concen: 0.445 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

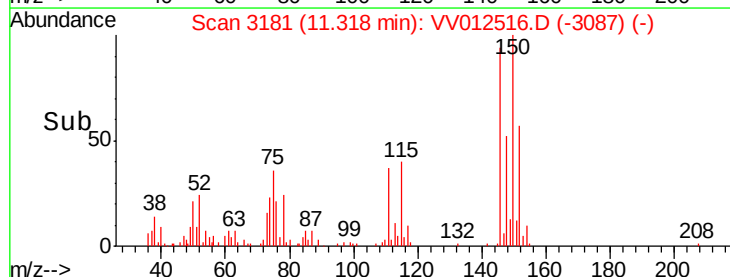
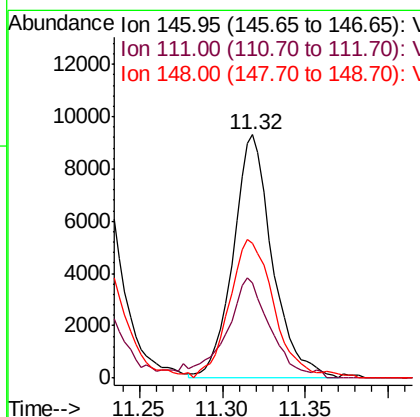
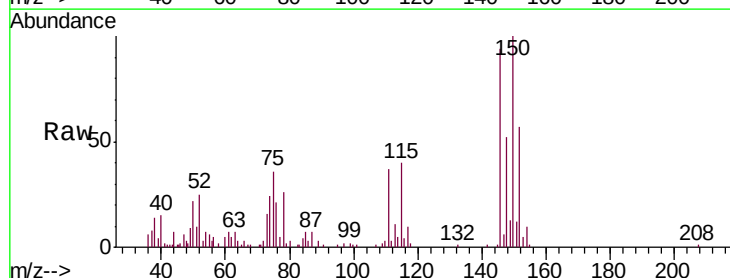
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

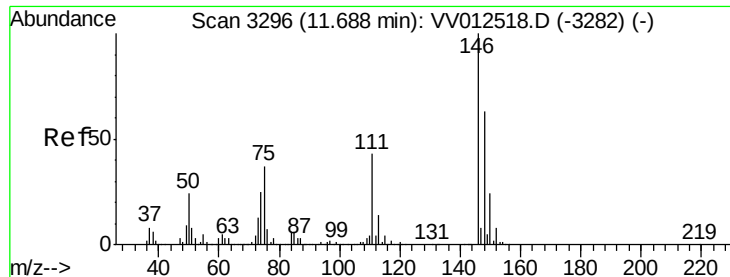
Tgt Ion:146 Resp: 13915
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.7 55.1
 148 65.2 45.7 84.9



#63
 1,4-Dichlorobenzene
 Concen: 0.488 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion:146 Resp: 15320
 Ion Ratio Lower Upper
 146 100
 111 38.9 27.9 51.7
 148 55.2 44.9 83.3

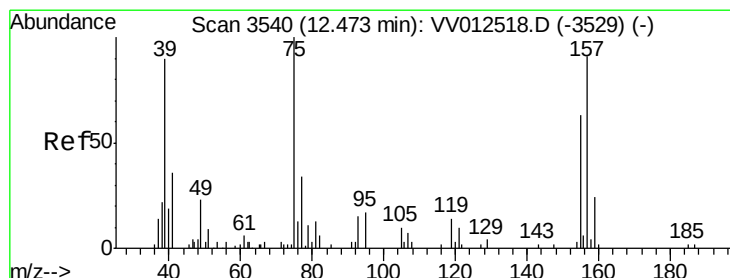
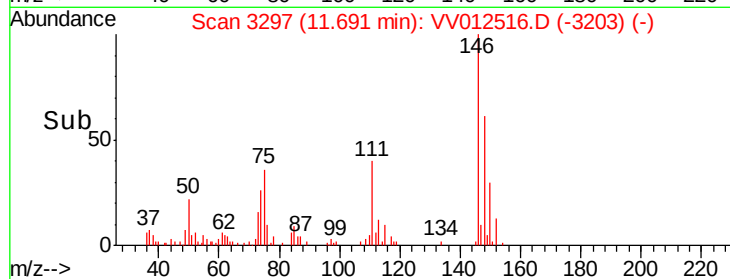
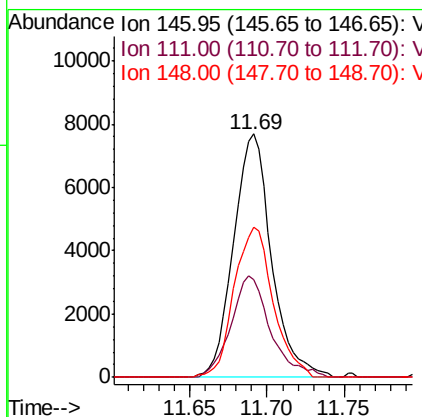
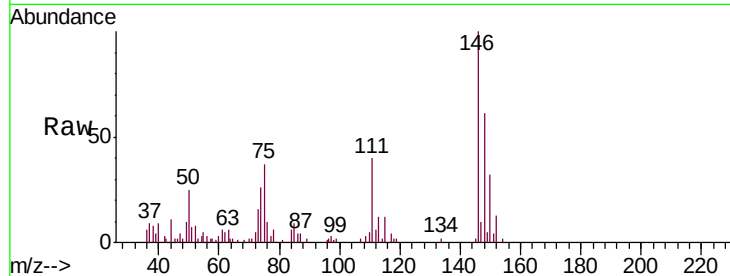




#65
 1,2-Dichlorobenzene
 Concen: 0.446 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

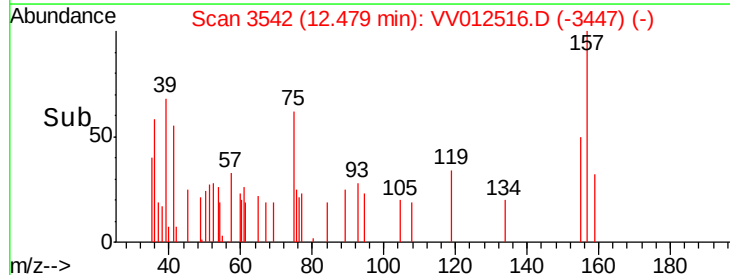
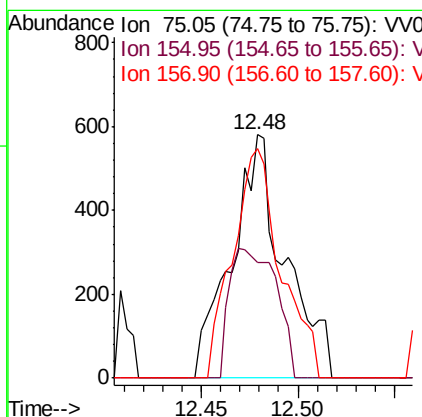
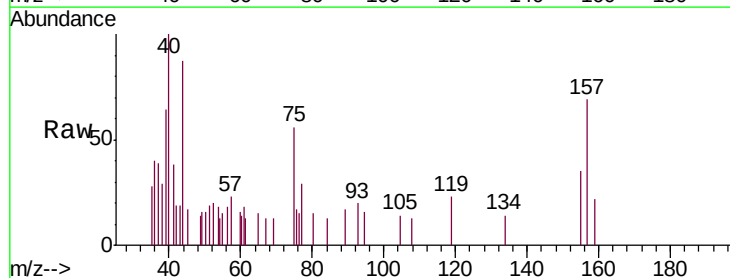
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

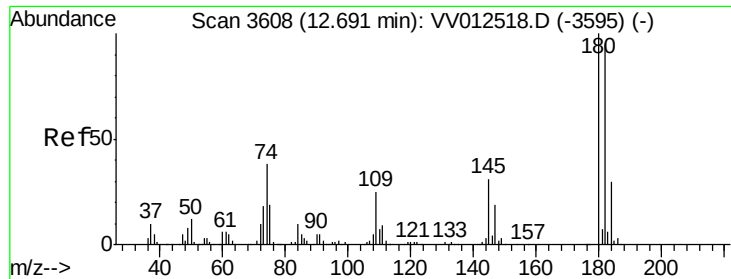
Tgt Ion: 146 Resp: 13110
 Ion Ratio Lower Upper
 146 100
 111 40.0 34.2 51.2
 148 61.5 50.8 76.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.561 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.01 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion: 75 Resp: 1114
 Ion Ratio Lower Upper
 75 100
 155 47.3 50.6 75.8#
 157 94.3 72.6 109.0

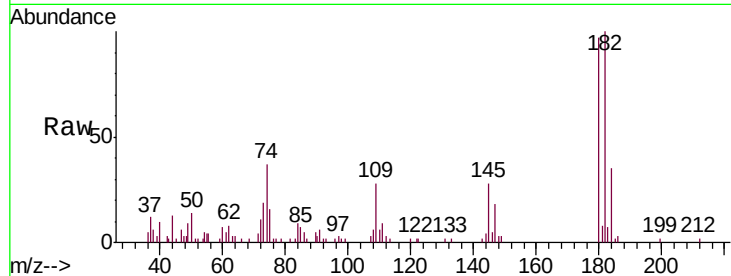




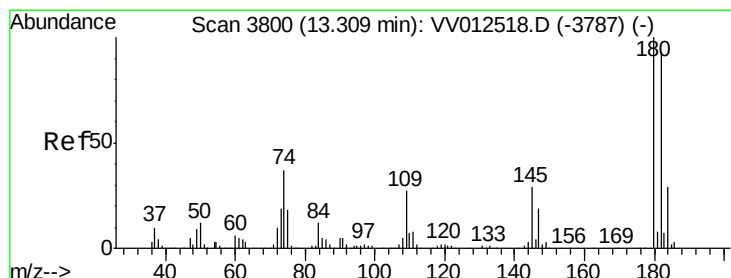
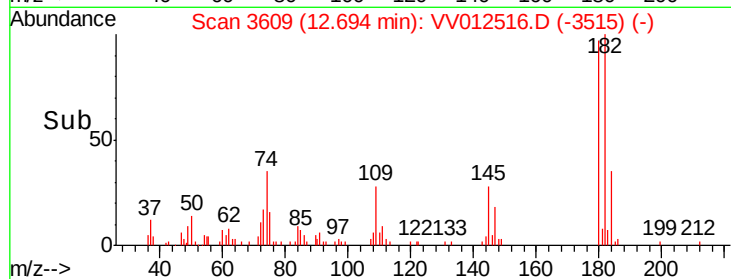
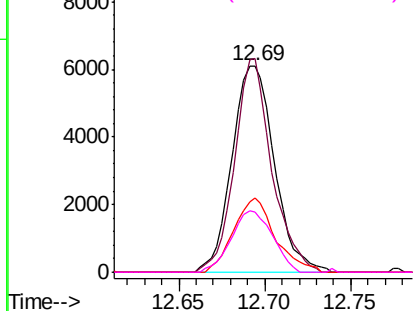
#67
 1,3,5-Trichlorobenzene
 Concen: 0.449 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.536

Tgt Ion:180 Resp: 10462
 Ion Ratio Lower Upper
 180 100
 182 90.3 74.4 111.6
 184 34.9 23.4 35.0
 145 29.0 24.0 36.0

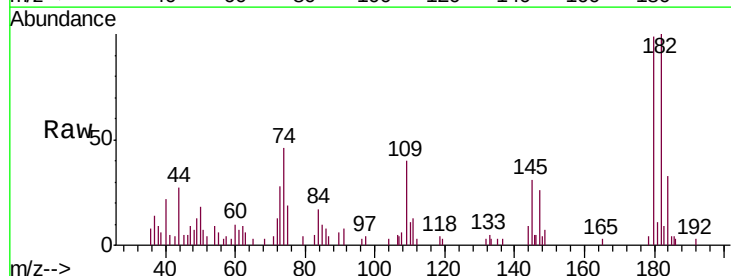


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

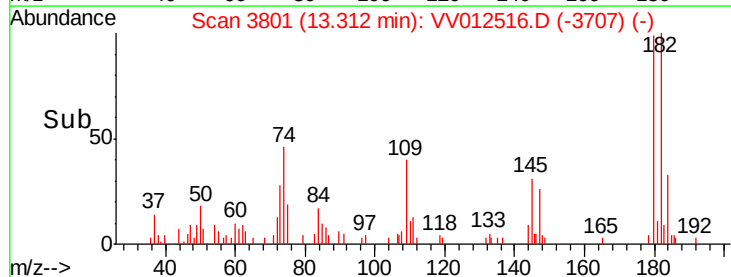
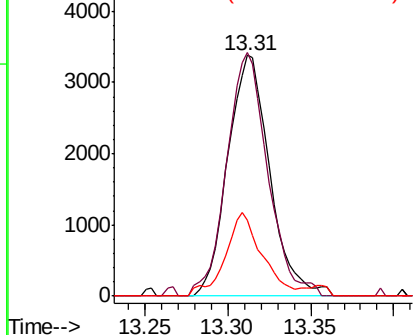


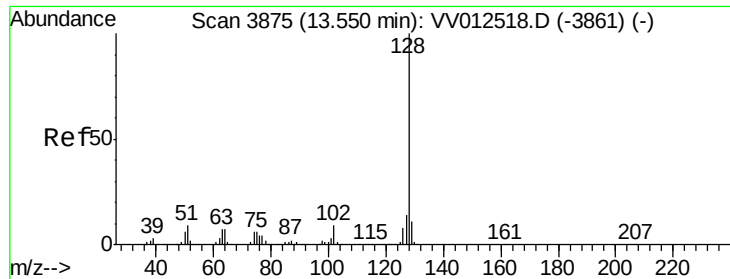
#68
 1,2,4-trichlorobenzene
 Concen: 0.347 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012516.D
 Acq: 02 Sep 2019 09:14

Tgt Ion:180 Resp: 5939
 Ion Ratio Lower Upper
 180 100
 182 99.1 75.8 113.6
 145 30.3 23.8 35.8



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: 0.340 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.01 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.536

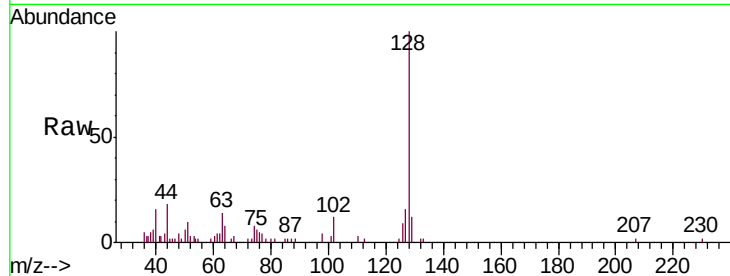
Tgt Ion:128 Resp: 8393

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

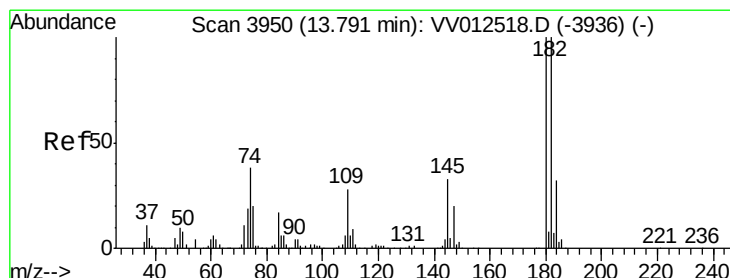
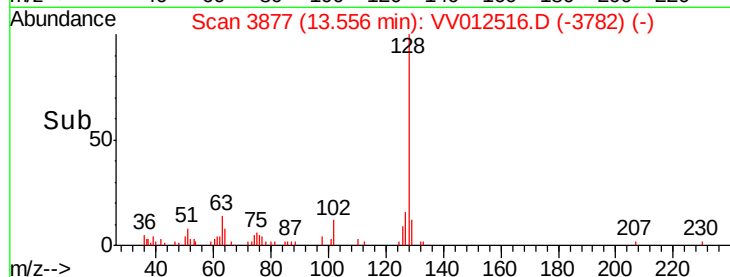
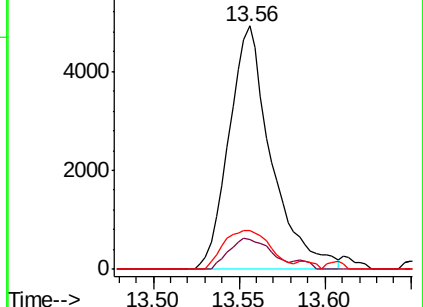
127 17.7 11.0 16.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.356 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012516.D

Acq: 02 Sep 2019 09:14

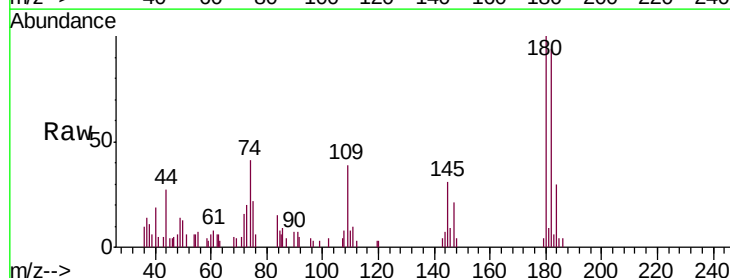
Tgt Ion:180 Resp: 5748

Ion Ratio Lower Upper

180 100

182 95.1 79.4 119.0

145 30.7 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

