

Data File : VV013531.D
Acq On : 08 Nov 2019 09:57
Operator : SY/MD
Sample : VSTD0.535
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Quant Time: Nov 08 21:48:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR110819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 21:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	486681	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	474538	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	221256	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9756	0.44	ug/L	0.00
7) Chloroethane-d5	1.58	69	9247	0.48	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19679	0.48	ug/L	0.00
20) 2-Butanone-d5	3.98	46	16081	2.16	ug/L	0.03
24) Chloroform-d	4.40	84	23764	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	13570	0.47	ug/L	0.00
32) Benzene-d6	5.09	84	42423	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	15119	0.44	ug/L	0.00
41) Toluene-d8	7.36	98	31762	0.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5471	0.40	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	14591	2.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11238	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	17772	0.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	20482	0.431 ug/L	99
3) Chloromethane	1.25	50	18226	0.444 ug/L	95
5) Vinyl chloride	1.32	62	16444	0.418 ug/L	96
6) Bromomethane	1.53	94	8600	0.417 ug/L	90
8) Chloroethane	1.60	64	9397	0.430 ug/L	98
9) Trichlorofluoromethane	1.77	101	22580	0.432 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	13315	0.453 ug/L	93
12) 1,1-Dichloroethene	2.14	96	12240	0.451 ug/L	90
13) Acetone	2.22	43	7417	1.723 ug/L	82
14) Carbon disulfide	2.31	76	35895	0.430 ug/L	99
15) Methyl Acetate	2.46	43	5383	0.416 ug/L	98
16) Methylene chloride	2.53	84	19109	0.496 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	30726	0.410 ug/L	94
18) trans-1,2-Dichloroethene	2.79	96	14493	0.414 ug/L	94
19) 1,1-Dichloroethane	3.23	63	27394	0.414 ug/L	96
21) 2-Butanone	4.05	43	23384	2.857 ug/L	77
22) cis-1,2-Dichloroethene	3.96	96	14184	0.390 ug/L #	82
23) Bromochloromethane	4.30	128	6920	0.422 ug/L	94
25) Chloroform	4.42	83	35272	0.506 ug/L	92
27) 1,2-Dichloroethane	5.18	62	15806	0.406 ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	23957	0.420 ug/L	98
30) Cyclohexane	4.72	56	20423	0.345 ug/L #	97
31) Carbon tetrachloride	4.87	117	20587	0.402 ug/L	95
33) Benzene	5.14	78	51033	0.357 ug/L	100
34) Trichloroethene	5.96	95	15625	0.406 ug/L	97
35) Methylcyclohexane	6.17	83	20776	0.348 ug/L	93
37) 1,2-Dichloropropane	6.22	63	13092	0.365 ug/L	98
38) Bromodichloromethane	6.55	83	18617	0.405 ug/L #	98
39) cis-1,3-Dichloropropene	7.07	75	16594	0.343 ug/L	95
40) 4-Methyl-2-pentanone	7.27	43	63625	3.141 ug/L	99

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Quant Time: Nov 08 21:48:01 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 08 21:45:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	50546	0.342	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	13342	0.345	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	9120	0.369	ug/L	93
47) Tetrachloroethene	8.02	164	14321	0.419	ug/L	98
48) 2-Hexanone	8.19	43	42426	2.996	ug/L	95
49) Dibromochloromethane	8.29	129	12070	0.395	ug/L	96
50) 1,2-Dibromoethane	8.39	107	7943	0.344	ug/L #	93
51) Chlorobenzene	8.92	112	39135	0.401	ug/L	98
52) Ethylbenzene	9.05	91	54449	0.344	ug/L	96
53) m,p-xylene	9.18	106	19494	0.328	ug/L	86
54) o-xylene	9.59	106	17767	0.316	ug/L	96
55) Styrene	9.60	104	28759	0.302	ug/L	95
56) Isopropylbenzene	9.97	105	47884	0.312	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	10362	0.396	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	7240	0.346	ug/L #	83
61) Bromoform	9.78	173	6517	0.418	ug/L	93
62) 1,3-Dichlorobenzene	11.22	146	29047	0.410	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	28879	0.413	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	27066	0.424	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	1407	0.412	ug/L #	79
67) 1,3,5-Trichlorobenzene	12.69	180	23023	0.425	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	17178	0.418	ug/L	98
69) Naphthalene	13.55	128	18865	0.340	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	15046	0.392	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 :
VSTD0.535

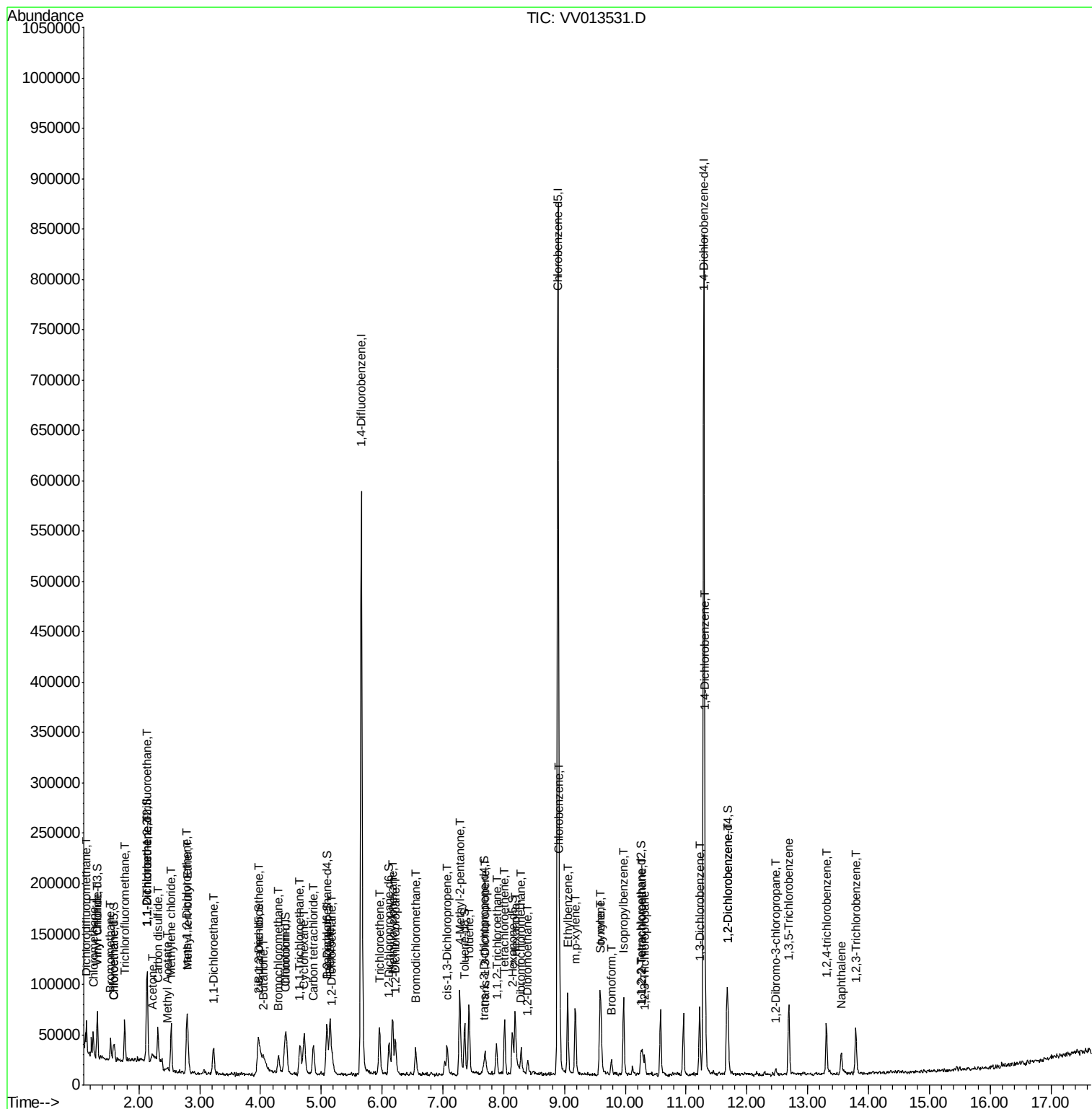
Quant Time: Nov 08 21:48:01 2019

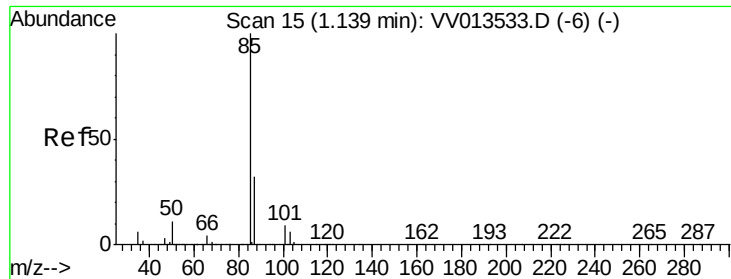
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR110819WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.431 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

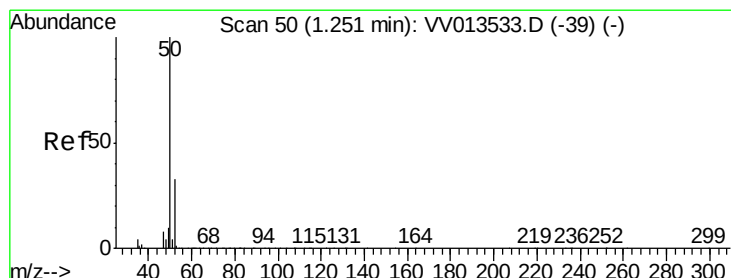
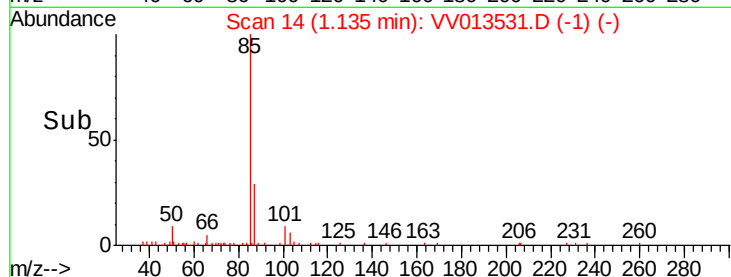
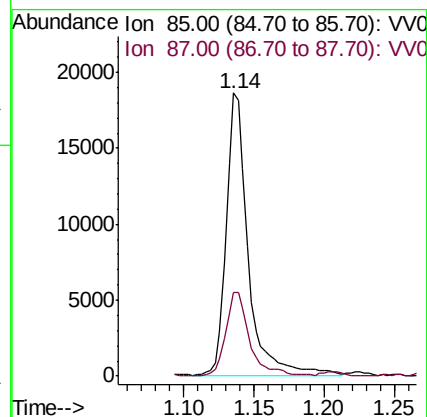
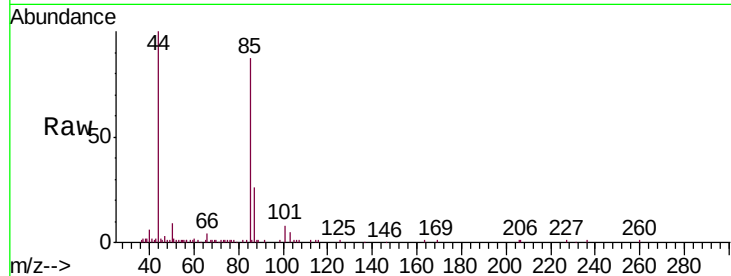
VSTD0.535

Tgt Ion: 85 Resp: 20482

Ion Ratio Lower Upper

85 100

87 32.2 26.0 39.0



#3

Chloromethane

Concen: 0.444 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV013531.D

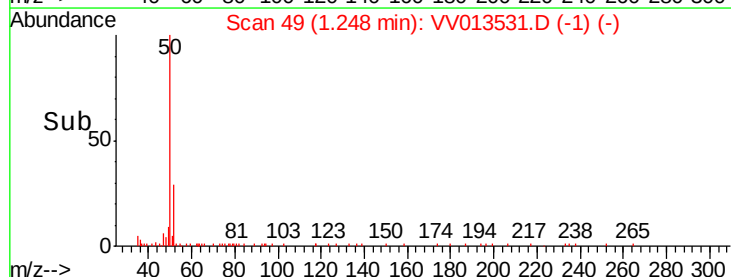
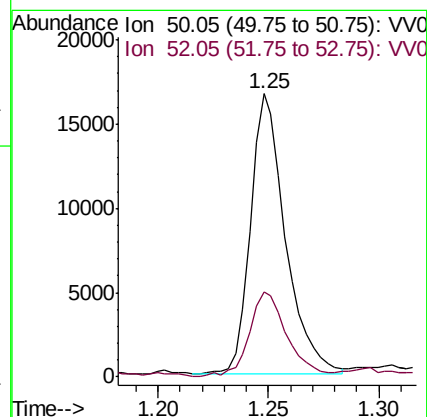
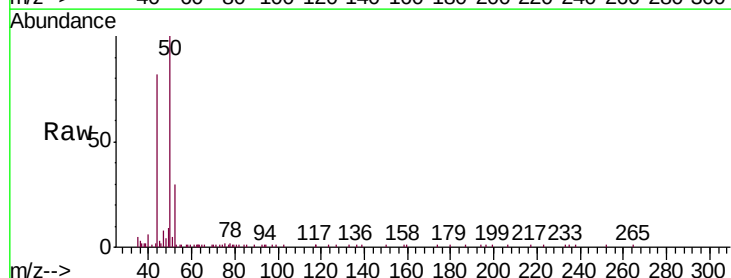
Acq: 08 Nov 2019 09:57

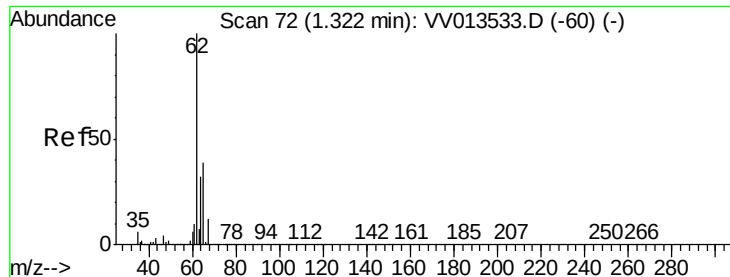
Tgt Ion: 50 Resp: 18226

Ion Ratio Lower Upper

50 100

52 29.9 23.0 42.6





#5

Vinyl chloride

Concen: 0.418 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

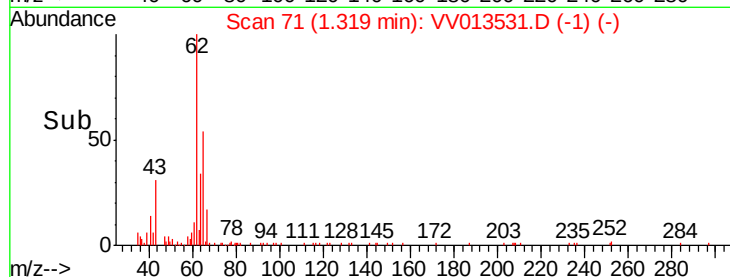
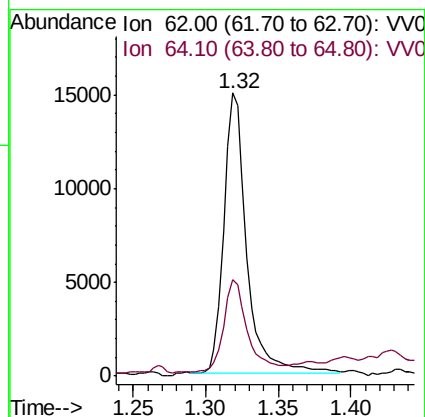
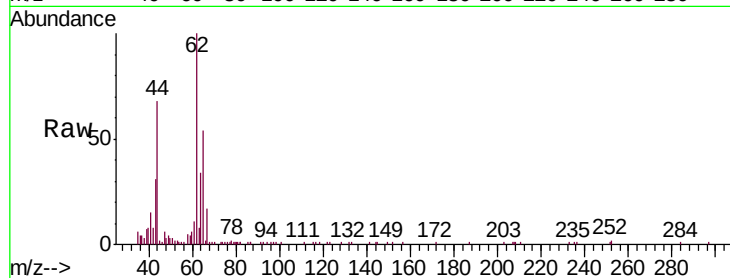
VSTD0.535

Tgt Ion: 62 Resp: 16444

Ion Ratio Lower Upper

62 100

64 34.1 22.4 41.6



#6

Bromomethane

Concen: 0.417 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013531.D

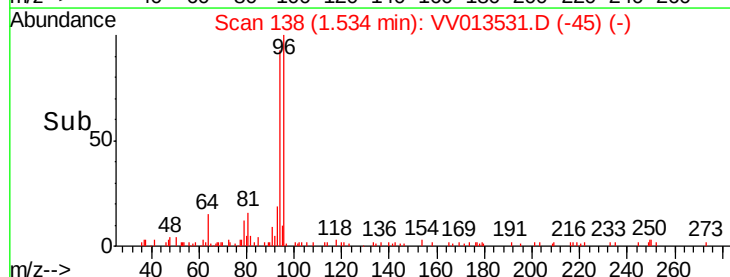
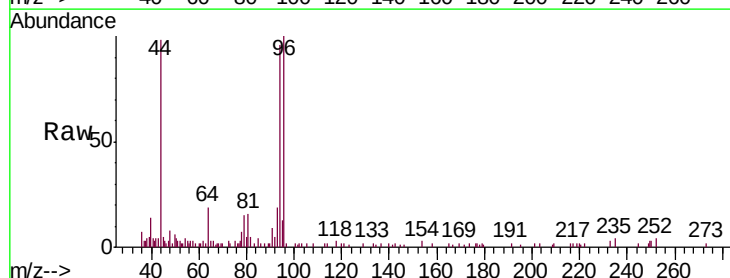
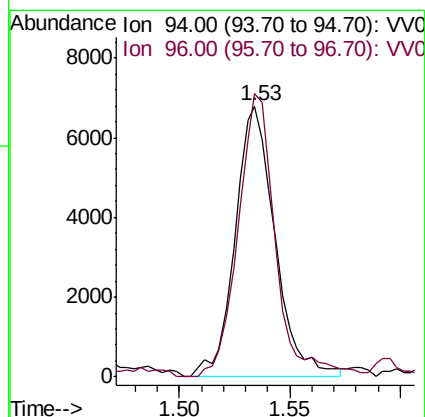
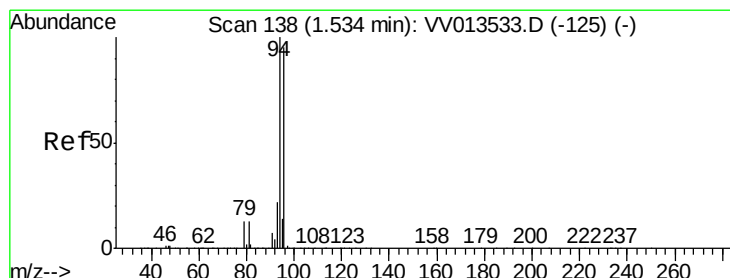
Acq: 08 Nov 2019 09:57

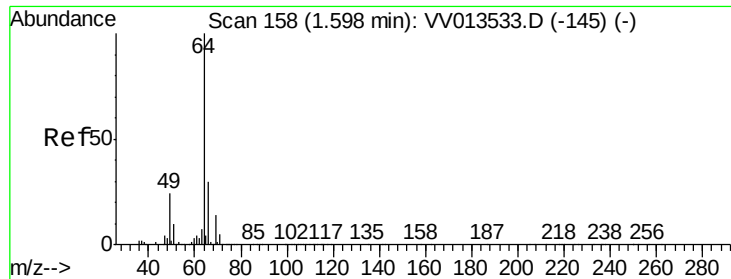
Tgt Ion: 94 Resp: 8600

Ion Ratio Lower Upper

94 100

96 104.6 66.4 123.4

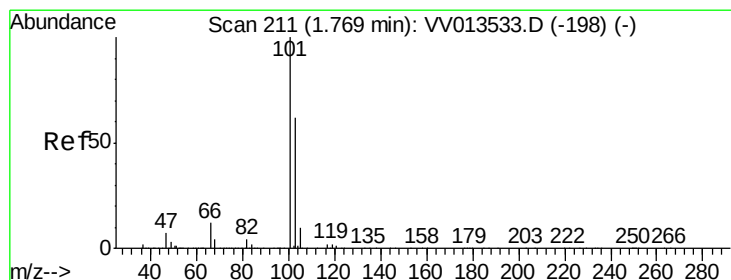
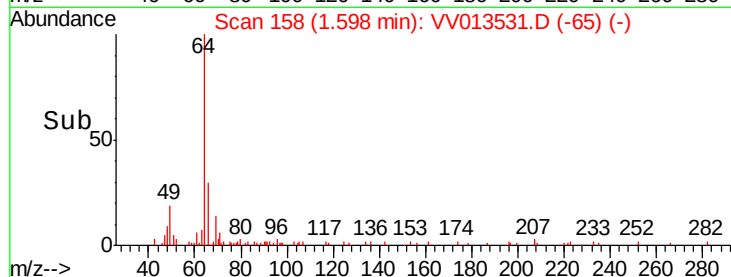
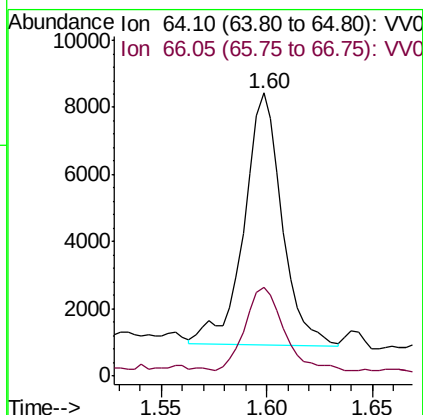
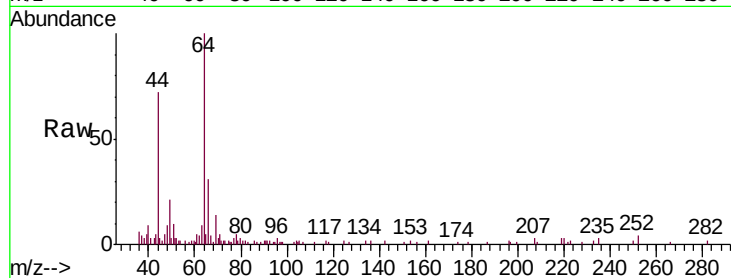




#8
Chloroethane
Concen: 0.430 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

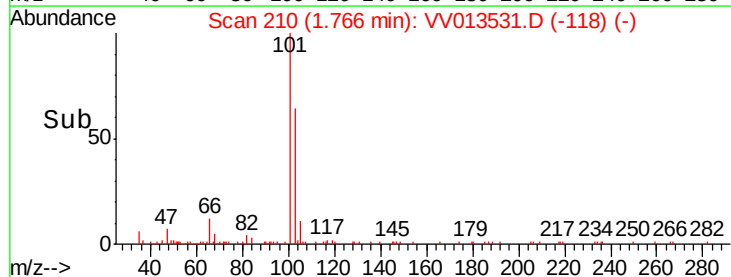
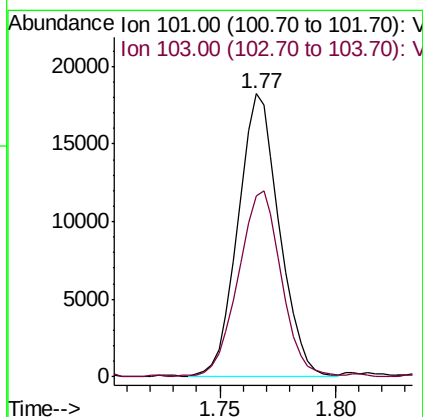
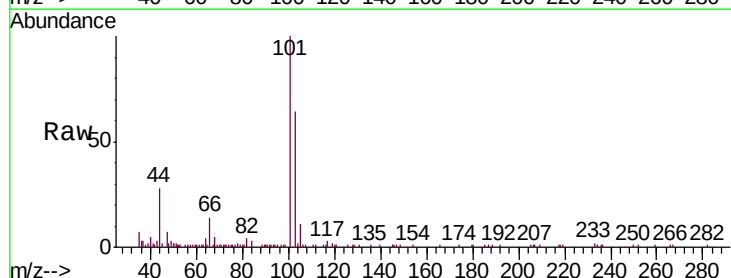
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

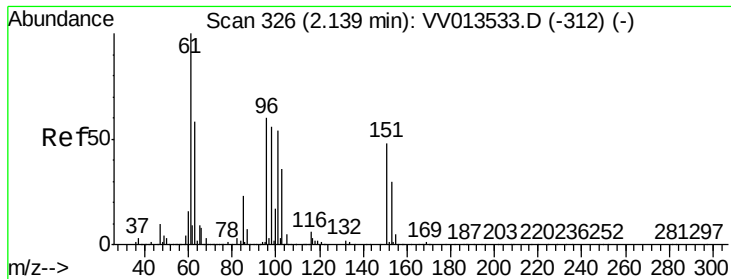
Tgt Ion: 64 Resp: 9397
Ion Ratio Lower Upper
64 100
66 31.2 21.1 39.3



#9
Trichlorofluoromethane
Concen: 0.432 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion: 101 Resp: 22580
Ion Ratio Lower Upper
101 100
103 68.7 50.5 75.7





#10

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

Concen: 0.453 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

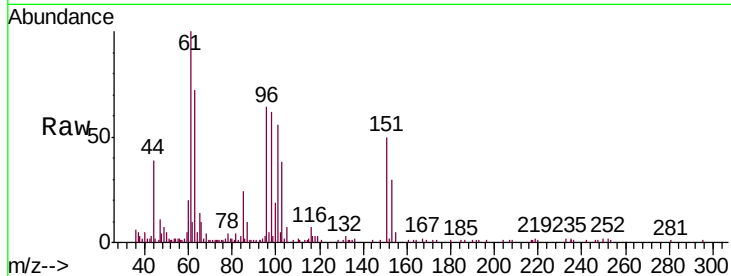
Tgt Ion: 101 Resp: 13315

Ion Ratio Lower Upper

101 100

85 43.8 33.8 50.8

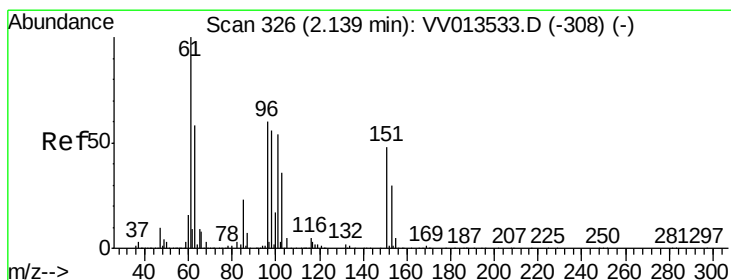
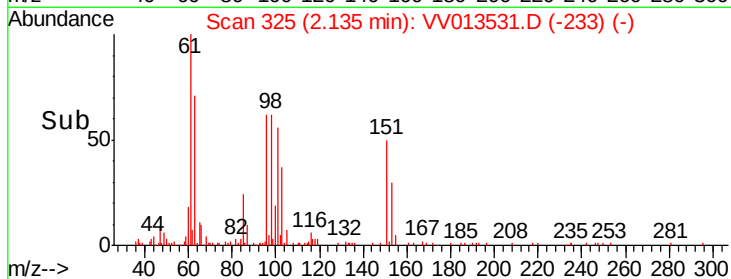
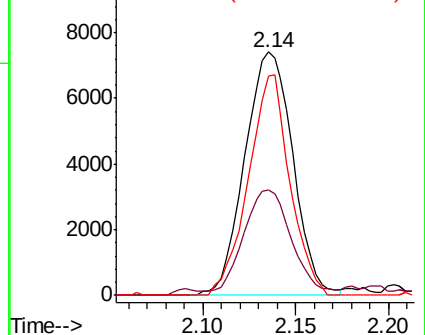
151 78.2 69.5 104.3



Abundance Ion 101.00 (100.70 to 101.70): VV013533.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013533.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013533.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 0.451 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

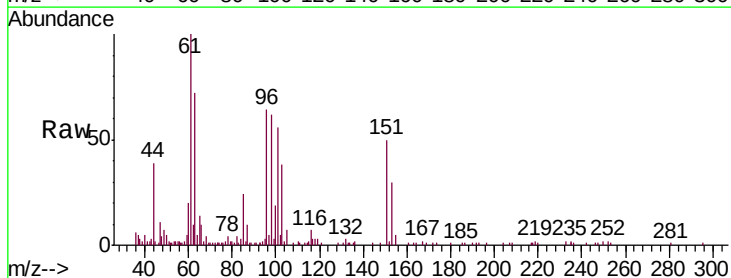
Tgt Ion: 96 Resp: 12240

Ion Ratio Lower Upper

96 100

61 157.0 117.1 217.5

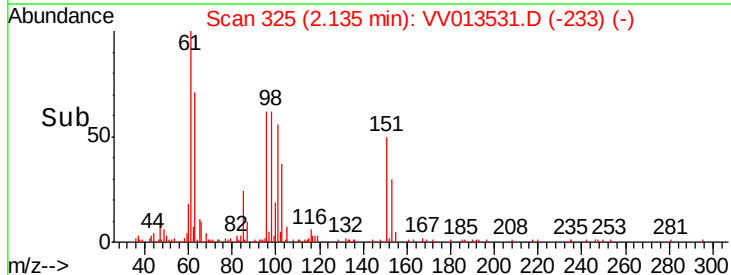
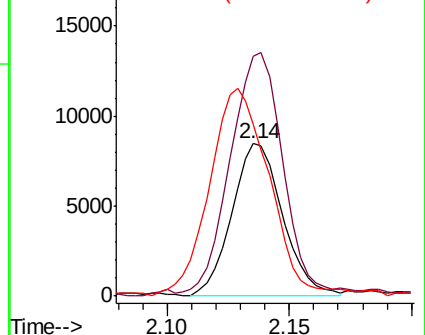
63 112.7 68.5 127.1

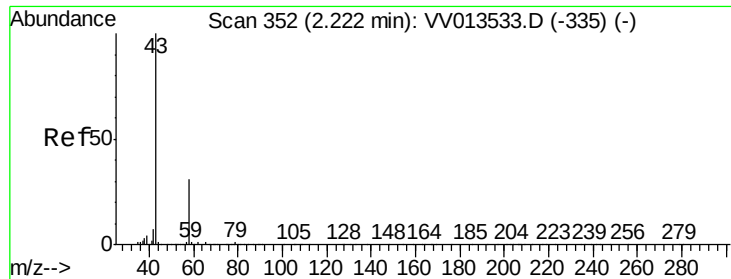


Abundance Ion 96.00 (95.70 to 96.70): VV013533.D (-308) (-)

Ion 61.05 (60.75 to 61.75): VV013533.D (-308) (-)

Ion 63.00 (62.70 to 63.70): VV013533.D (-308) (-)





#13

Acetone

Concen: 1.723 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.01 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

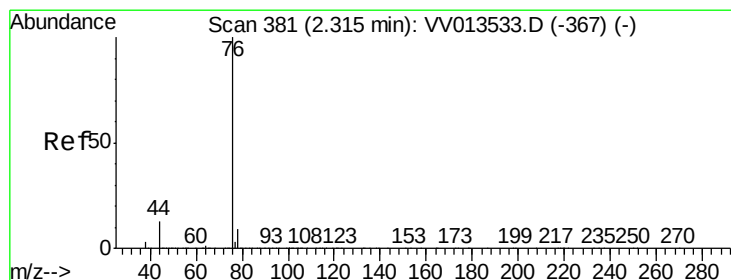
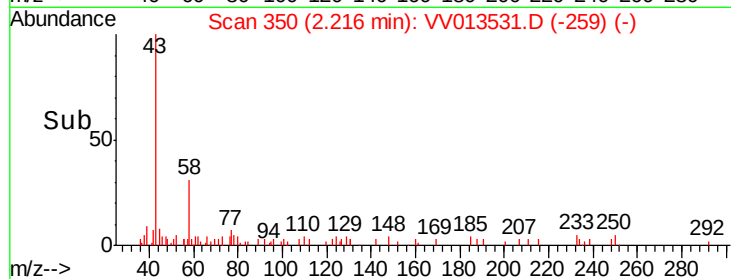
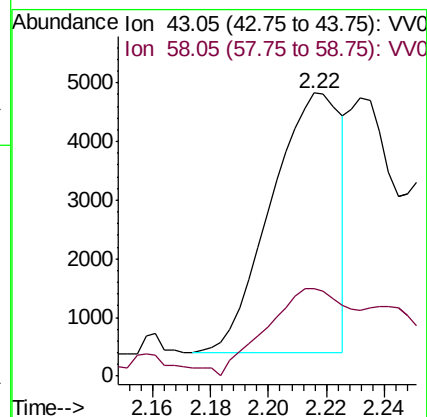
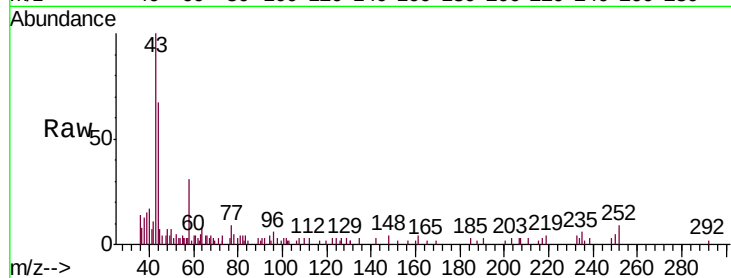
VSTD0.535

Tgt Ion: 43 Resp: 7417

Ion Ratio Lower Upper

43 100

58 40.4 0.0 60.8



#14

Carbon disulfide

Concen: 0.430 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV013531.D

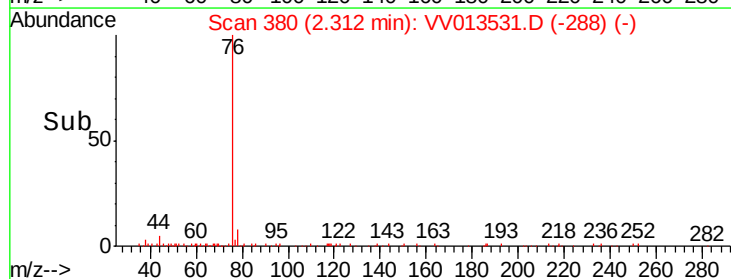
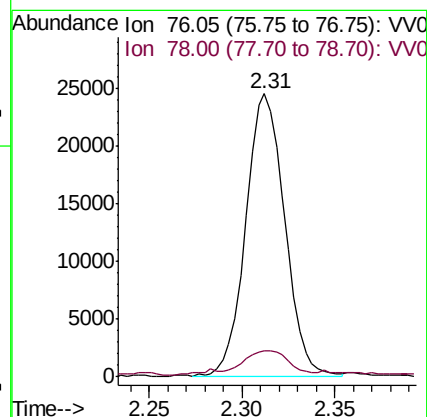
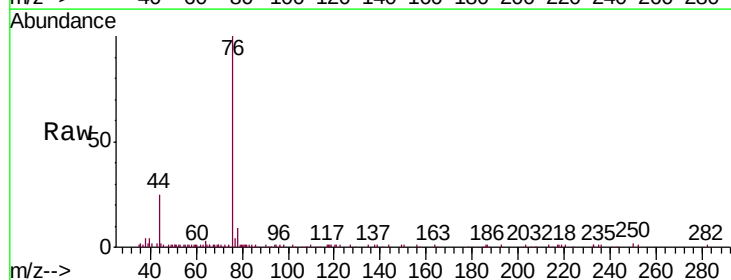
Acq: 08 Nov 2019 09:57

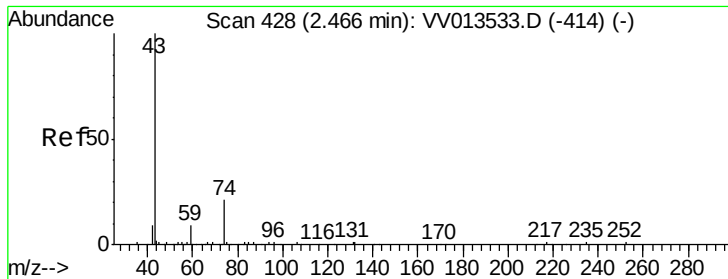
Tgt Ion: 76 Resp: 35895

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

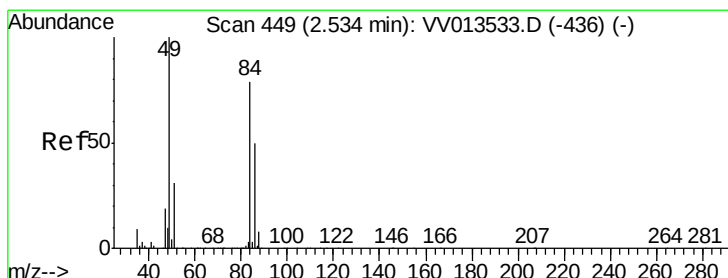
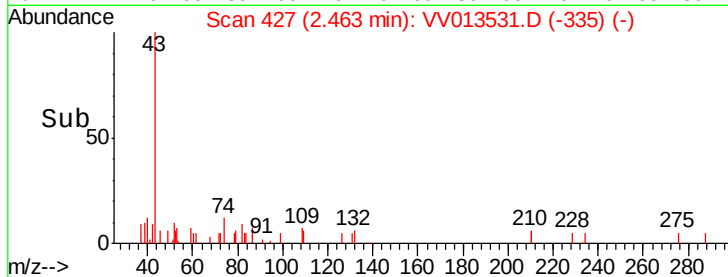
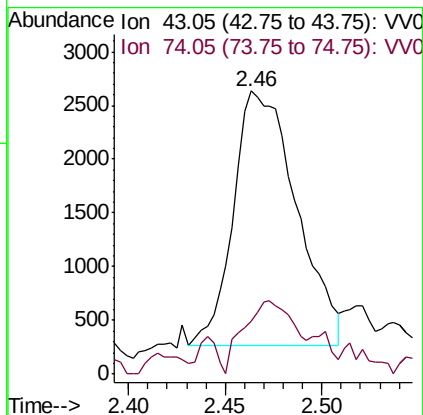
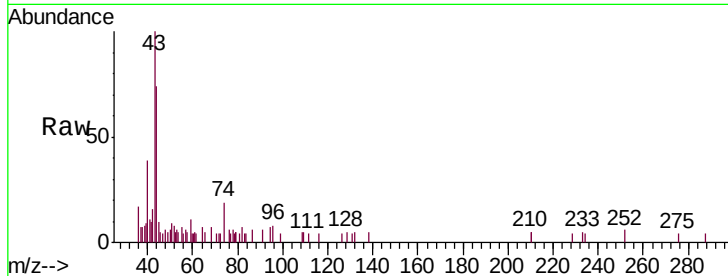




#15
Methyl Acetate
Concen: 0.416 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

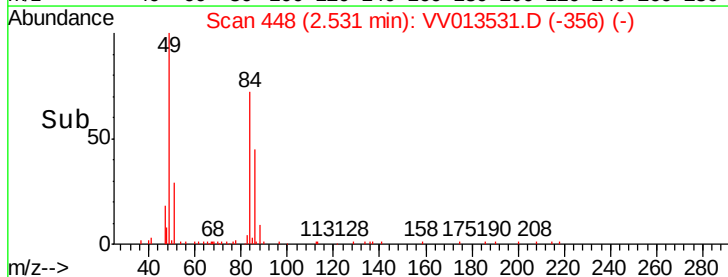
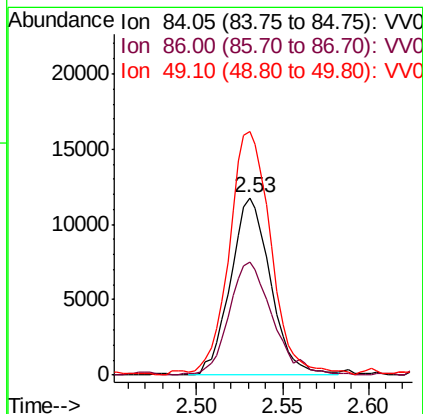
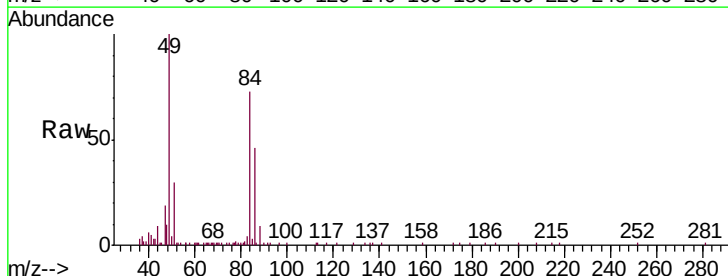
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

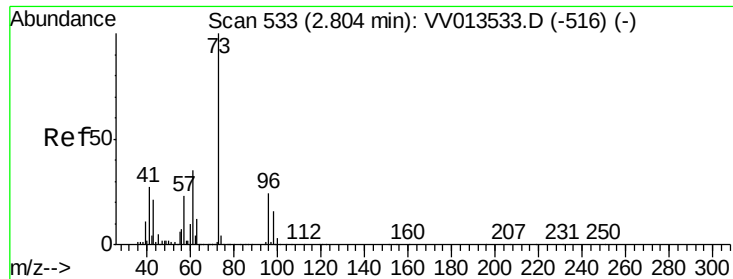
Tgt Ion: 43 Resp: 5383
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.0



#16
Methylene chloride
Concen: 0.496 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion: 84 Resp: 19109
Ion Ratio Lower Upper
84 100
86 63.6 44.2 82.2
49 137.0 88.8 164.8

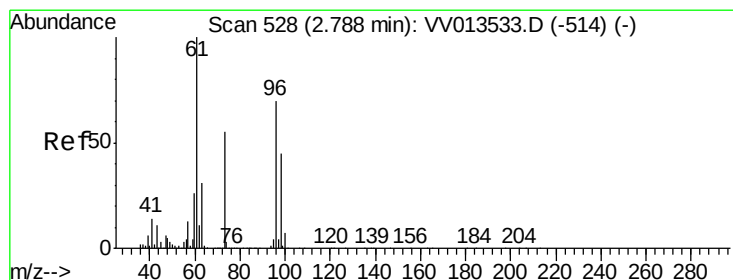
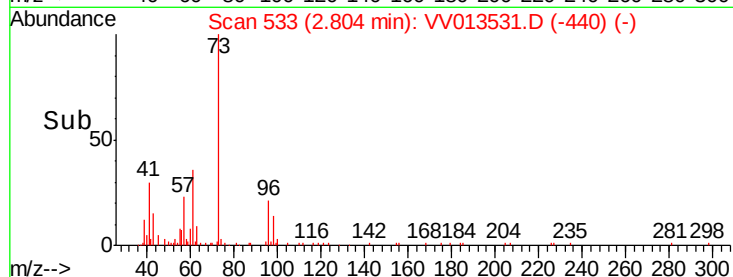
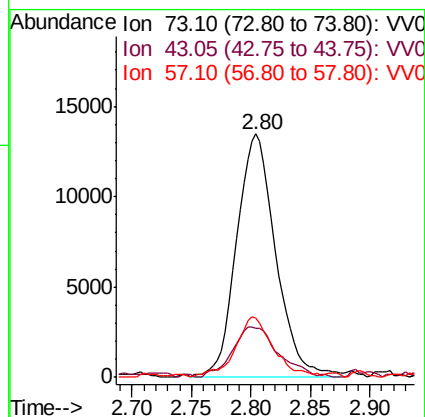
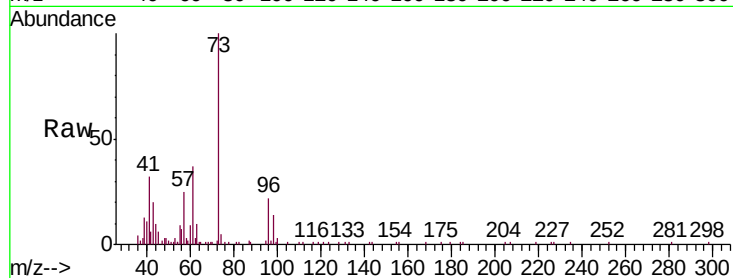




#17
Methyl tert-butyl Ether
Concen: 0.410 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

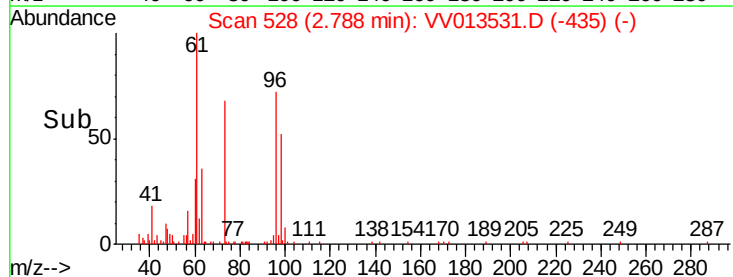
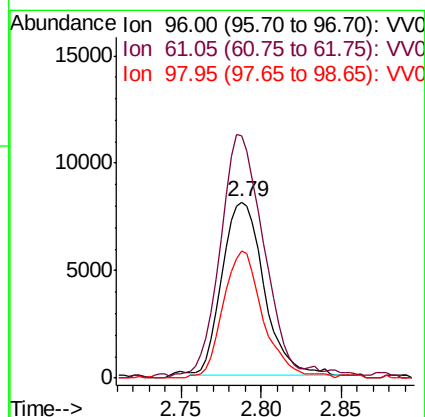
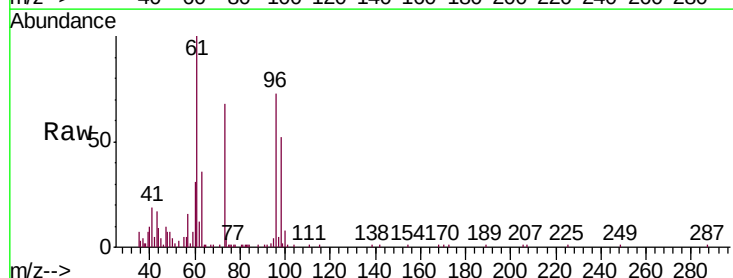
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

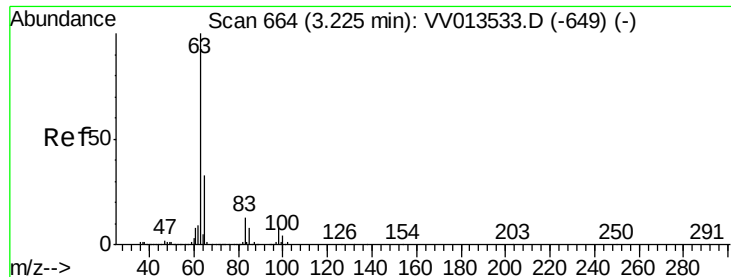
Tgt Ion: 73 Resp: 30726
Ion Ratio Lower Upper
73 100
43 24.5 16.4 24.6
57 24.3 18.2 27.2



#18
trans-1,2-Dichloroethene
Concen: 0.414 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion: 96 Resp: 14493
Ion Ratio Lower Upper
96 100
61 137.8 100.0 185.8
98 71.9 45.3 84.1

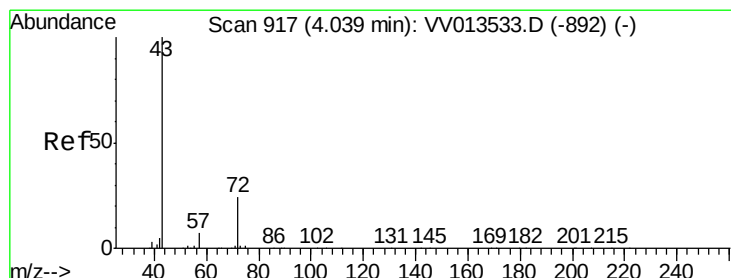
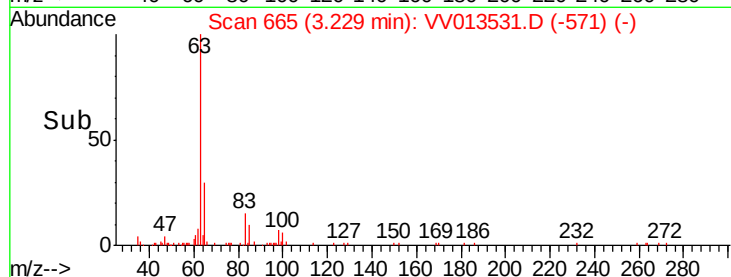
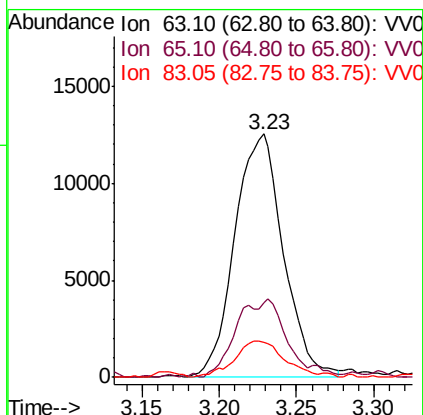
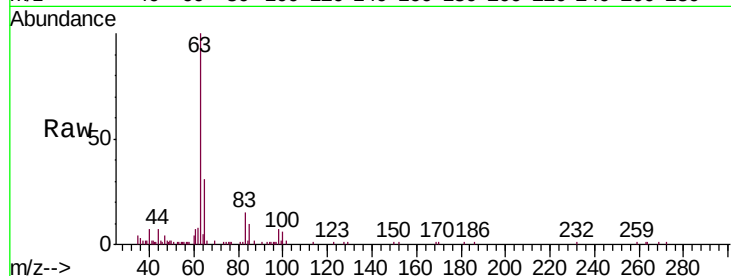




#19
 1,1-Dichloroethane
 Concen: 0.414 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

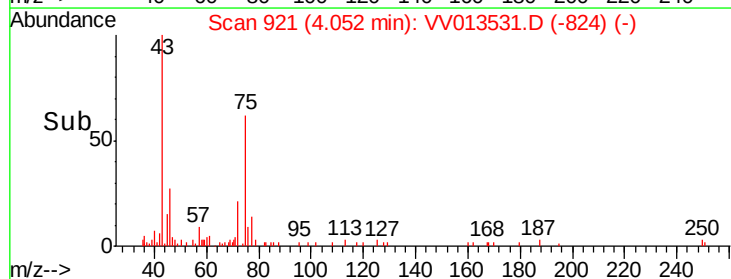
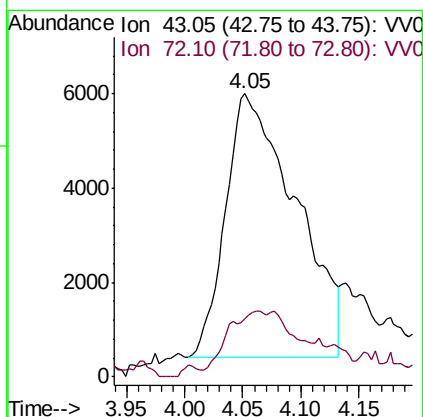
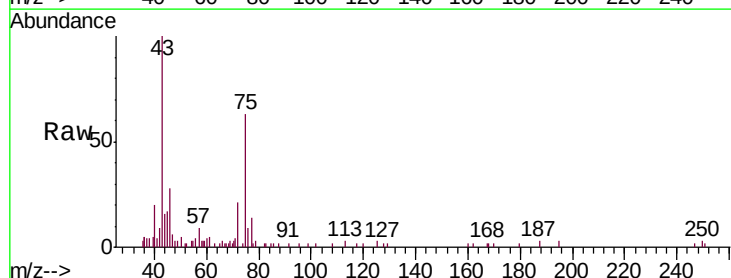
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

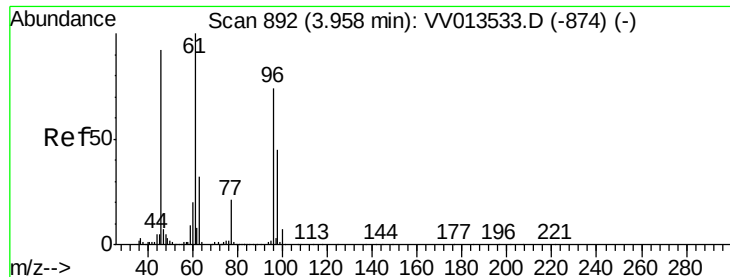
Tgt Ion:	63	Resp:	27394
Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.9	42.5
83	14.5	9.1	16.9



#21
 2-Butanone
 Concen: 2.857 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion:	43	Resp:	23384
Ion	Ratio	Lower	Upper
43	100		
72	11.8	11.6	34.7



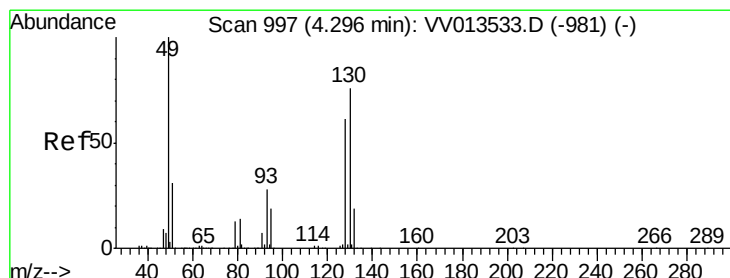
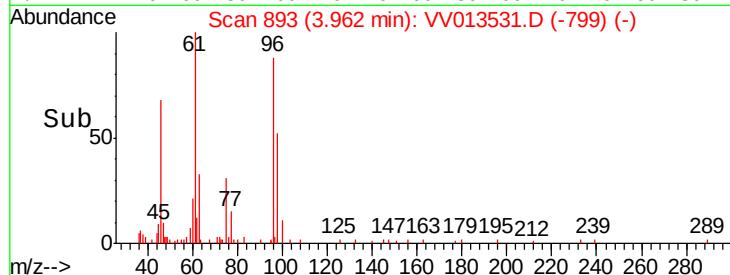
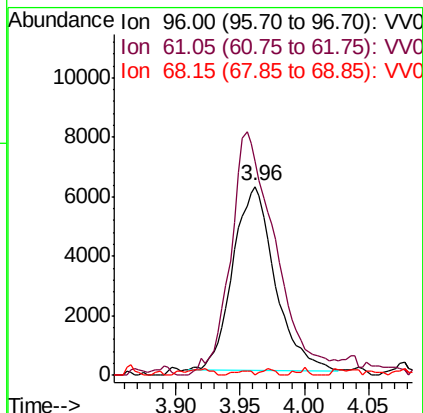
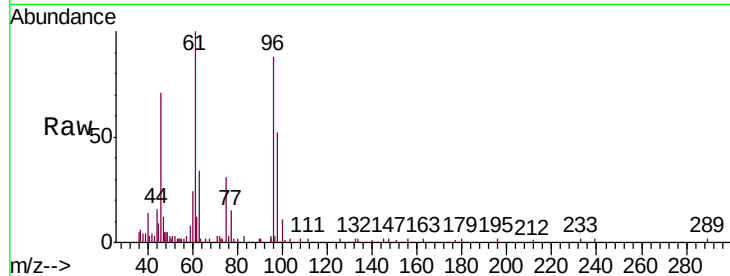


#22

cis-1,2-Dichloroethene
 Concen: 0.390 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.535

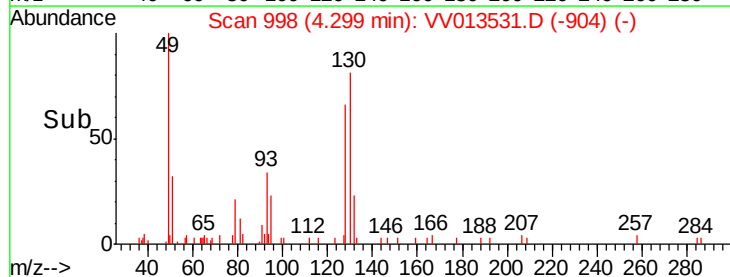
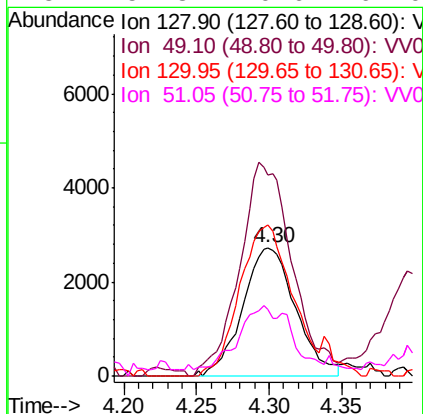
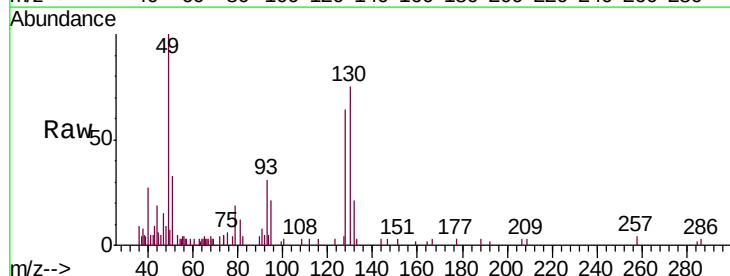
Tgt Ion: 96 Resp: 14184
 Ion Ratio Lower Upper
 96 100
 61 113.4 94.6 175.8
 68 0.0 0.1 0.3#

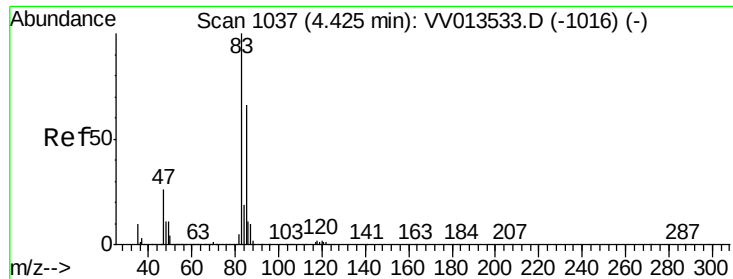


#23

Bromochloromethane
 Concen: 0.422 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion: 128 Resp: 6920
 Ion Ratio Lower Upper
 128 100
 49 156.7 115.9 215.3
 130 117.5 87.6 162.6
 51 51.8 40.6 61.0

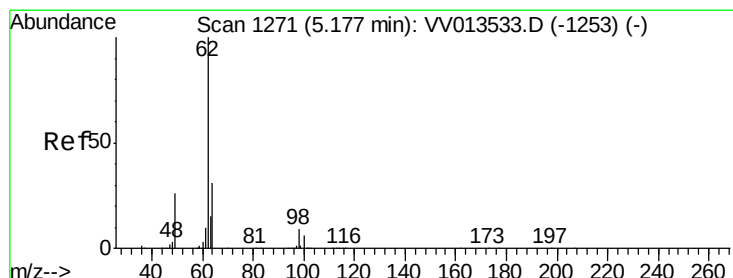
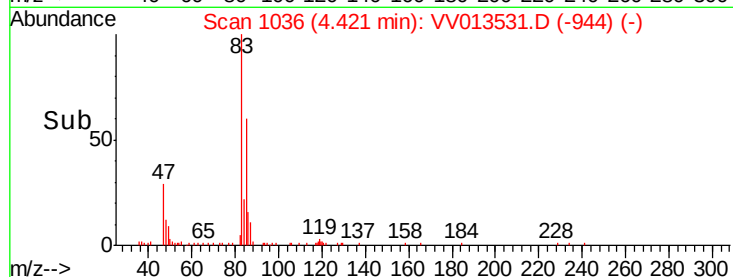
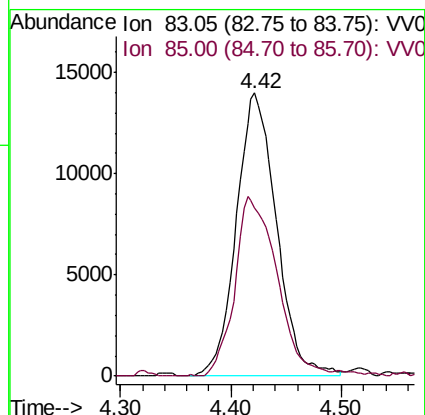
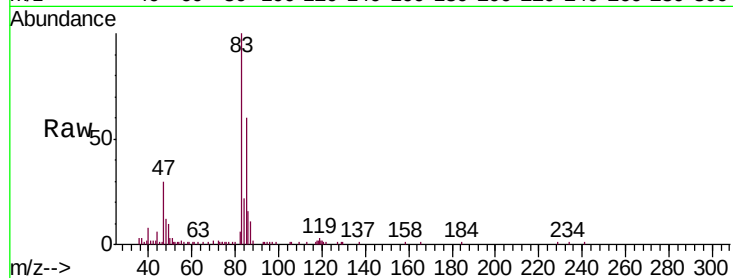




#25
Chloroform
Concen: 0.506 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

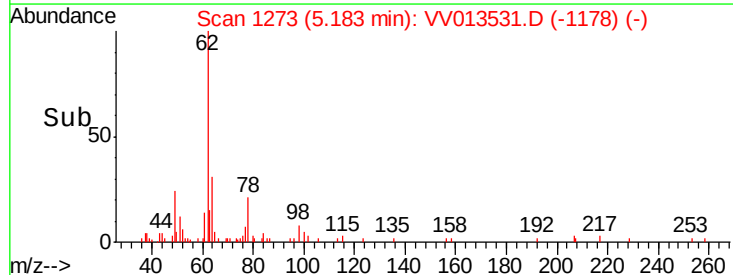
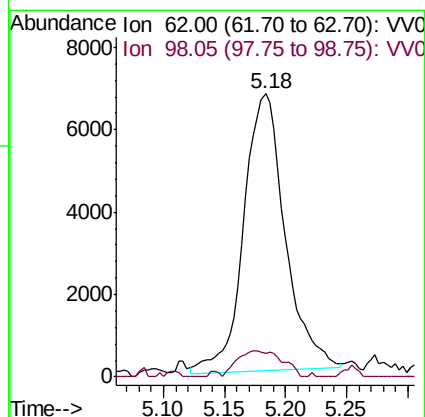
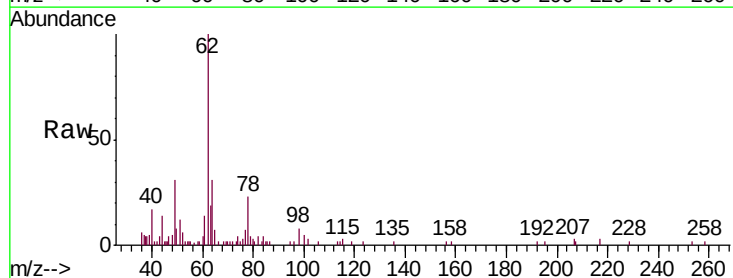
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

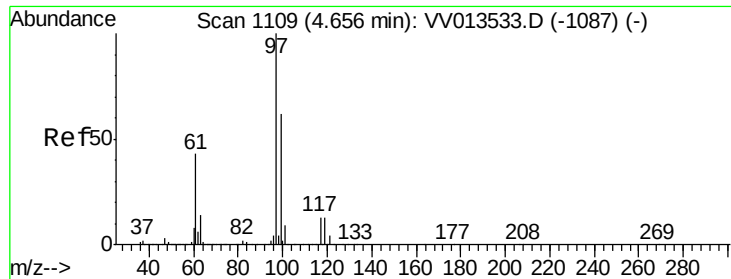
Tgt Ion: 83 Resp: 35272
Ion Ratio Lower Upper
83 100
85 59.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 0.406 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion: 62 Resp: 15806
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.0





#29

1,1,1-Trichloroethane

Concen: 0.420 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

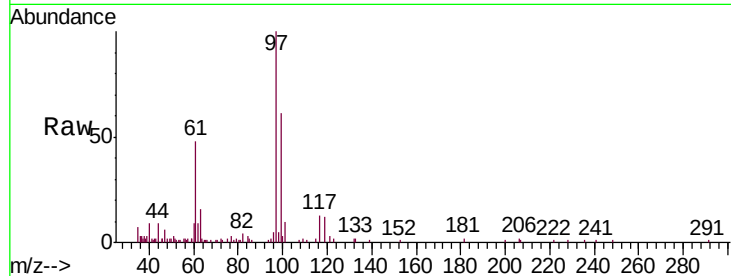
Tgt Ion: 97 Resp: 23957

Ion Ratio Lower Upper

97 100

99 64.9 50.4 75.6

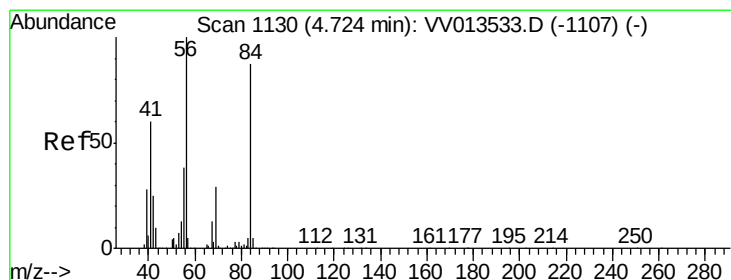
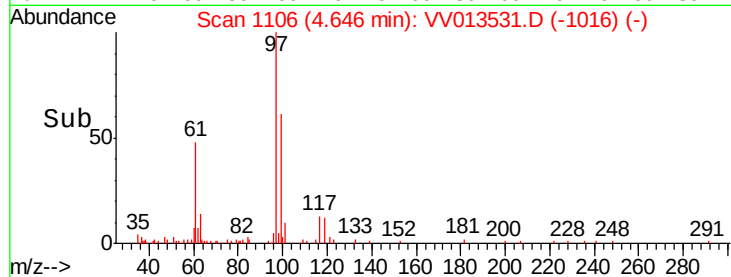
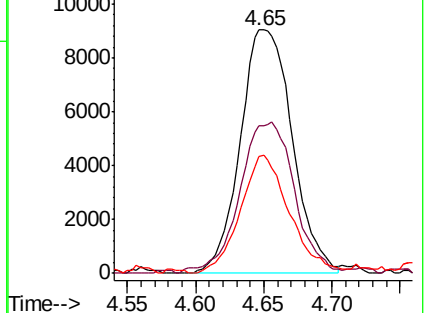
61 45.9 35.5 53.3



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 0.345 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

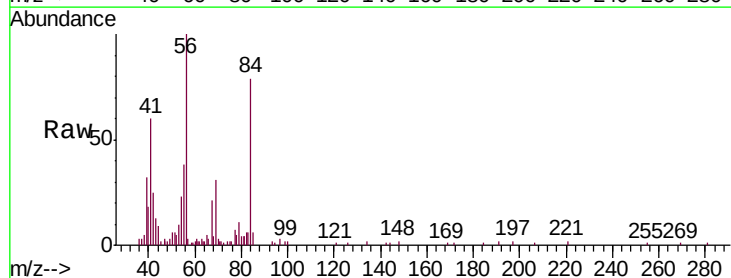
Tgt Ion: 56 Resp: 20423

Ion Ratio Lower Upper

56 100

69 34.5 22.9 34.3#

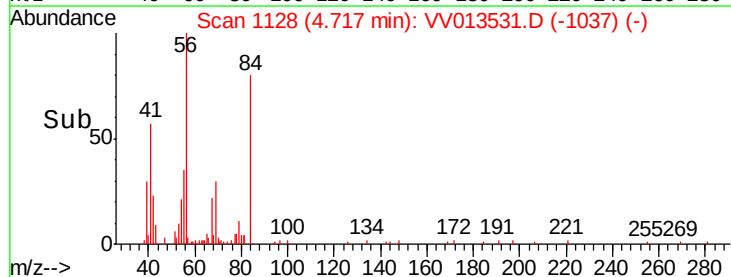
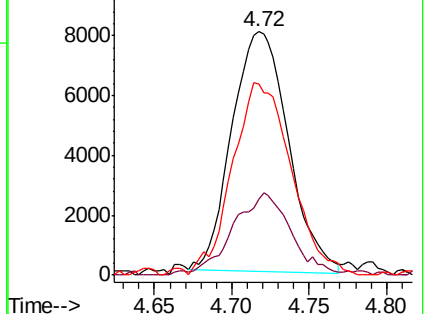
84 83.2 67.2 100.8

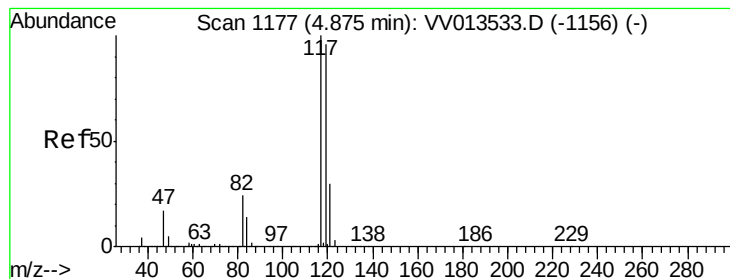


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 0.402 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

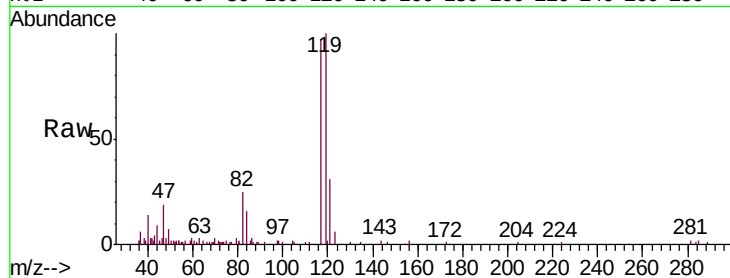
VSTD0.535

Tgt Ion:117 Resp: 20587

Ion Ratio Lower Upper

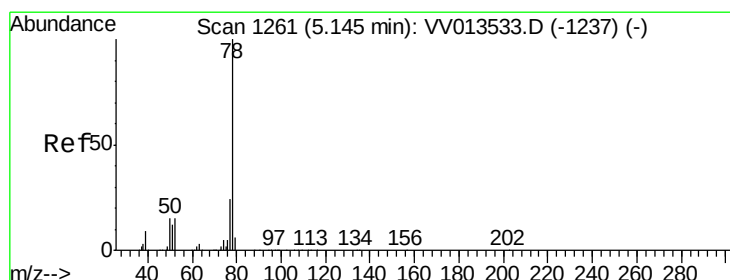
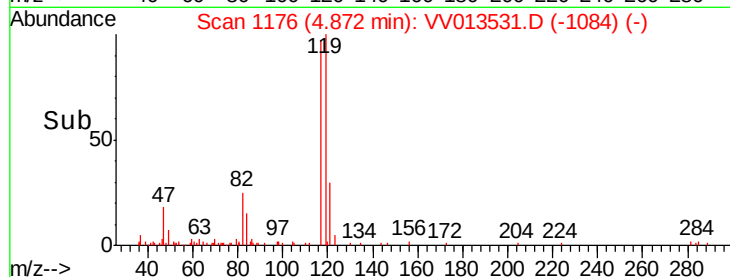
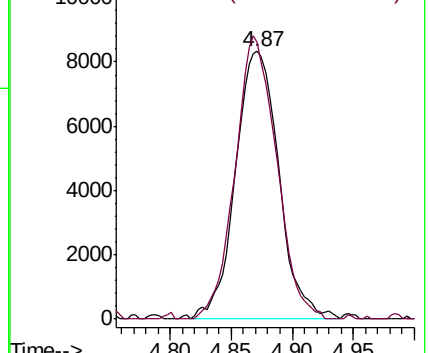
117 100

119 100.8 77.0 115.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.357 ug/L

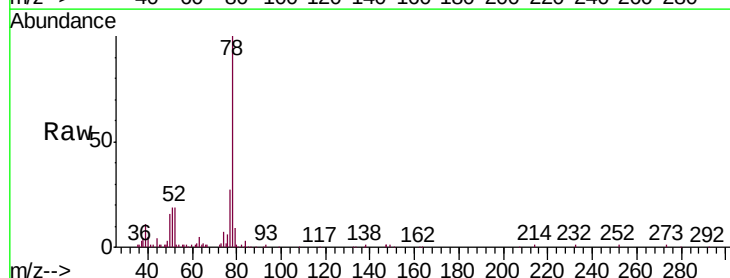
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

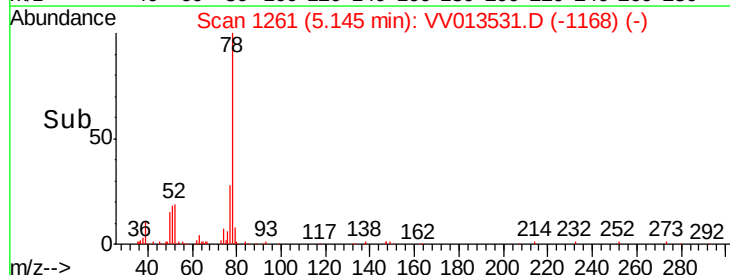
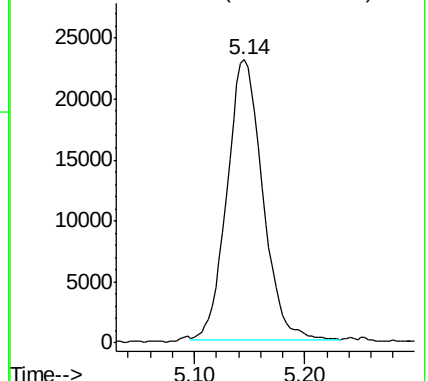
Lab File: VV013531.D

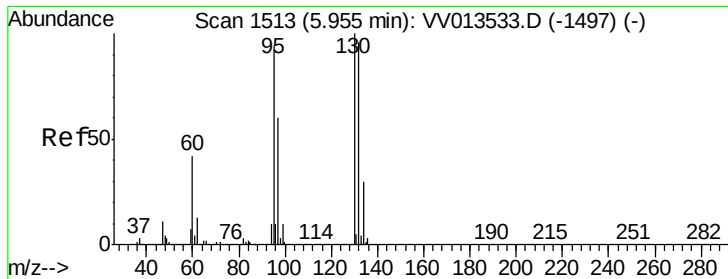
Acq: 08 Nov 2019 09:57

Tgt Ion: 78 Resp: 51033



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.406 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

Tgt Ion: 95 Resp: 15625

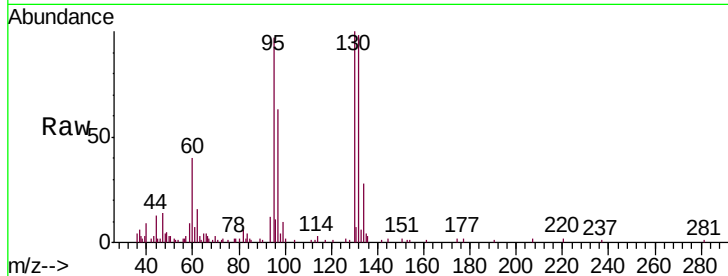
Ion Ratio Lower Upper

95 100

97 65.1 44.7 83.1

132 100.1 71.6 133.0

130 102.6 74.6 138.6

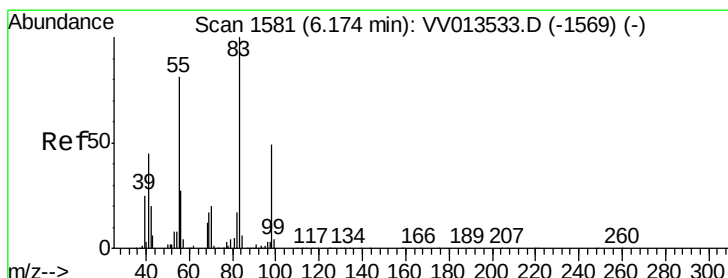
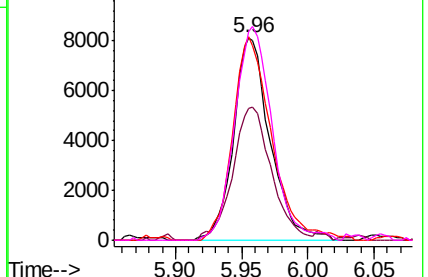
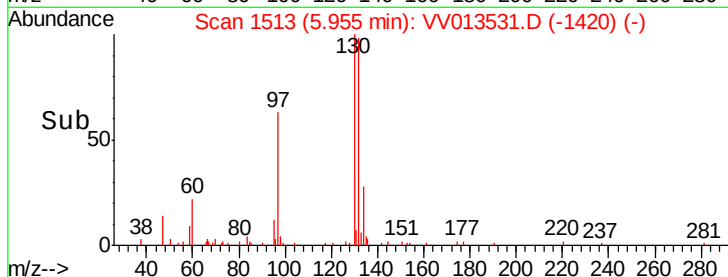


Abundance Ion 95.00 (94.70 to 95.70): VV013531.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013531.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013531.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013531.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.348 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

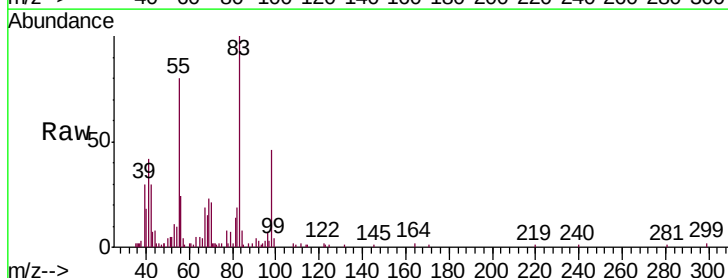
Tgt Ion: 83 Resp: 20776

Ion Ratio Lower Upper

83 100

55 88.7 63.8 95.8

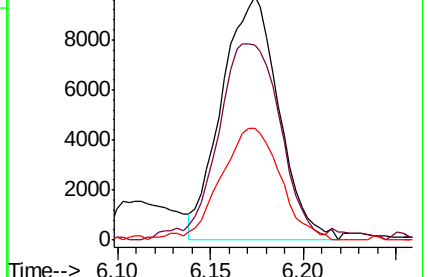
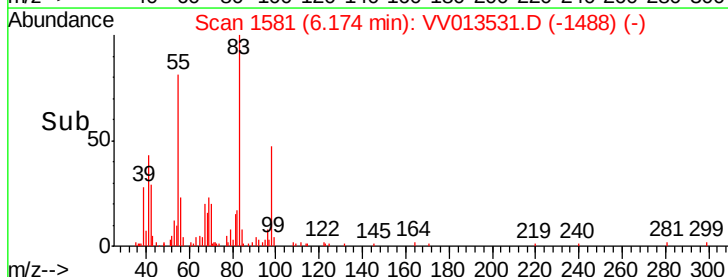
98 48.5 38.4 57.6

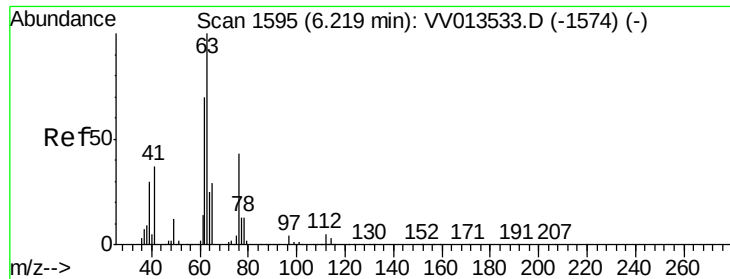


Abundance Ion 83.15 (82.85 to 83.85): VV013531.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013531.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013531.D (-1488) (-)

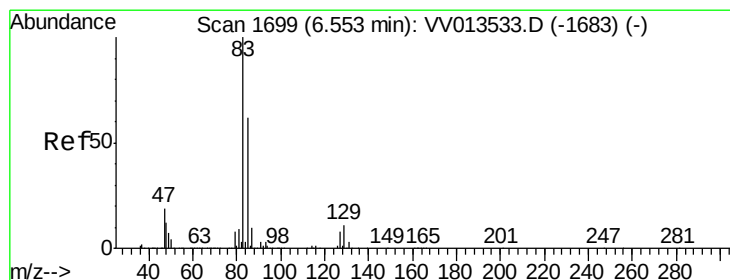
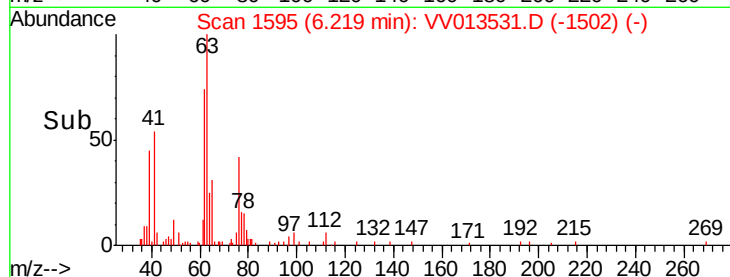
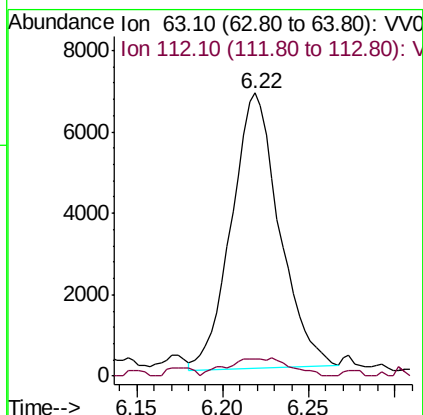
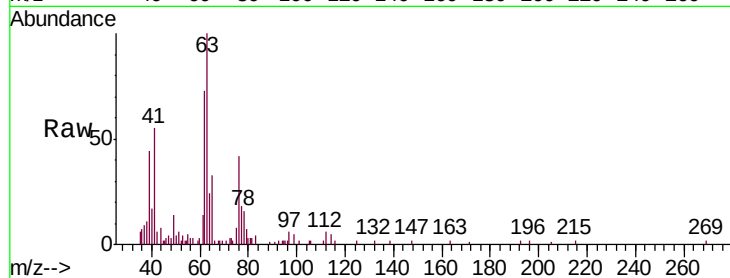




#37
 1,2-Dichloropropane
 Concen: 0.365 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

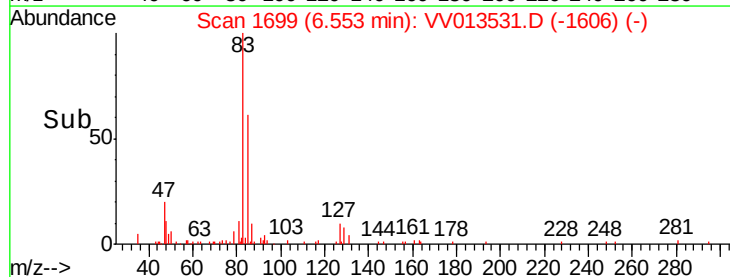
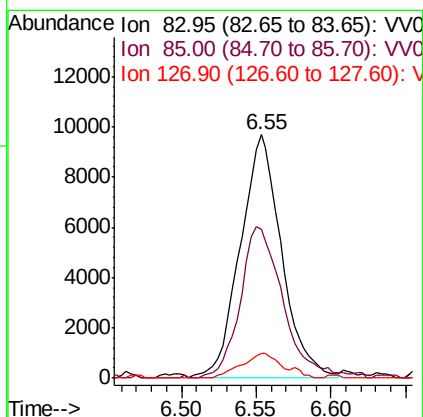
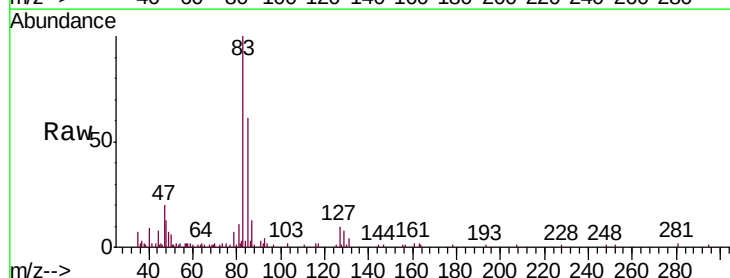
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

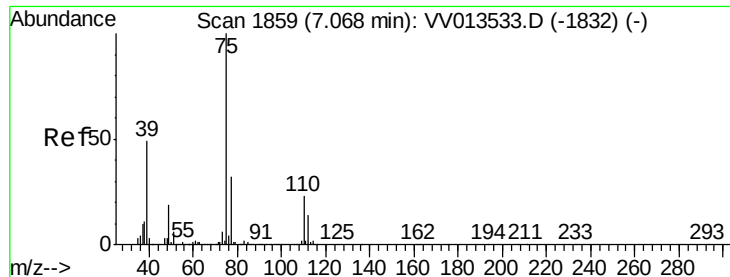
Tgt Ion: 63 Resp: 13092
 Ion Ratio Lower Upper
 63 100
 112 5.4 3.8 5.6



#38
 Bromodichloromethane
 Concen: 0.405 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion: 83 Resp: 18617
 Ion Ratio Lower Upper
 83 100
 85 61.0 43.6 81.0
 127 10.3 6.5 9.7#

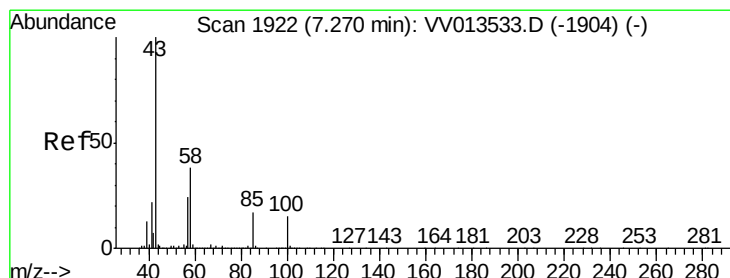
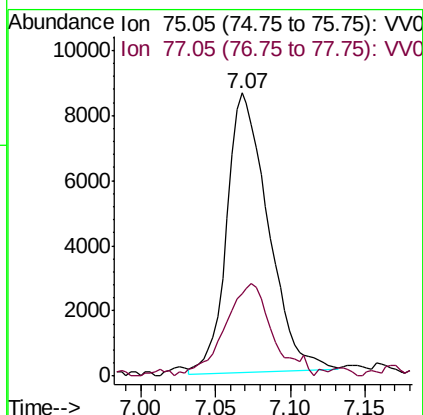
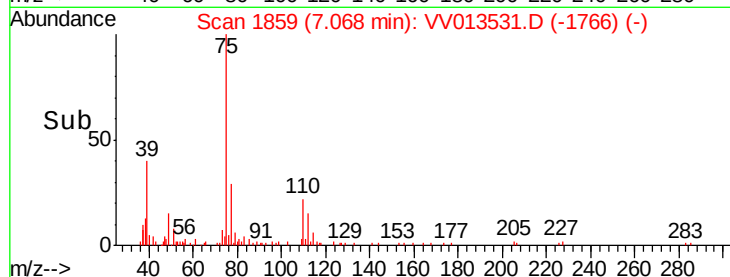
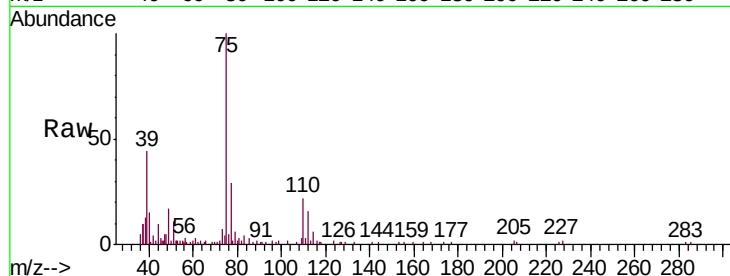




#39
 cis-1,3-Dichloropropene
 Concen: 0.343 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

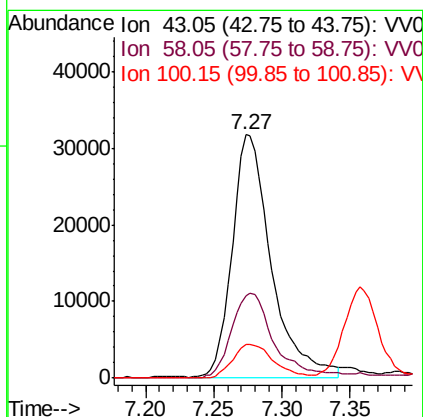
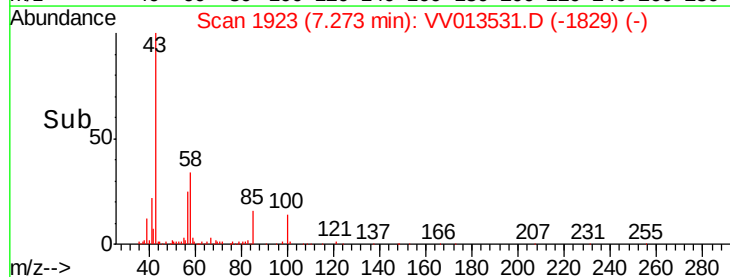
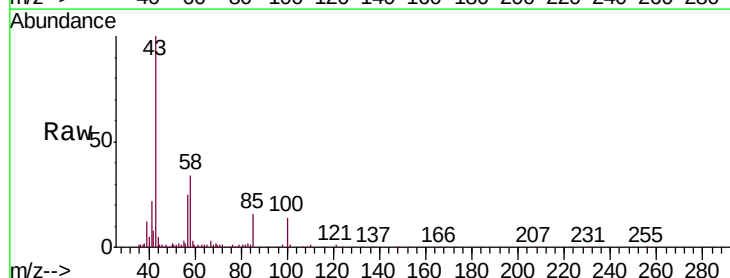
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

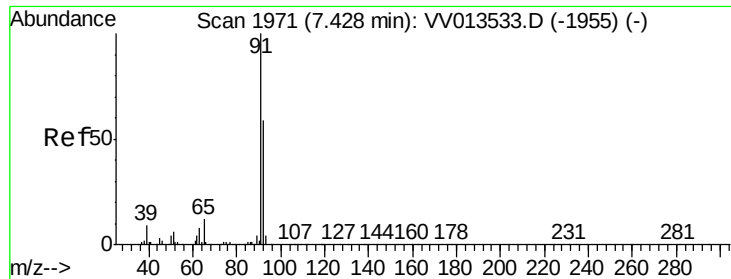
Tgt Ion: 75 Resp: 16594
 Ion Ratio Lower Upper
 75 100
 77 29.0 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 3.141 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion: 43 Resp: 63625
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.6 45.8
 100 14.6 12.0 18.0





#42

Toluene

Concen: 0.342 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

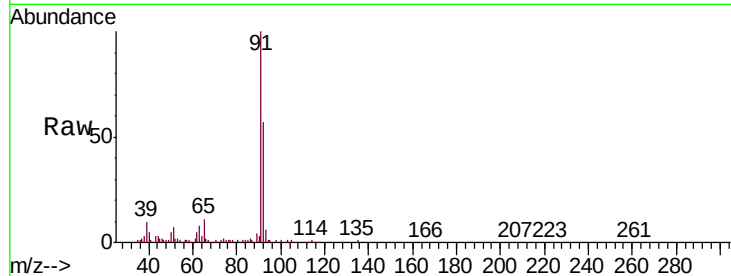
VSTD0.535

Tgt Ion: 91 Resp: 50546

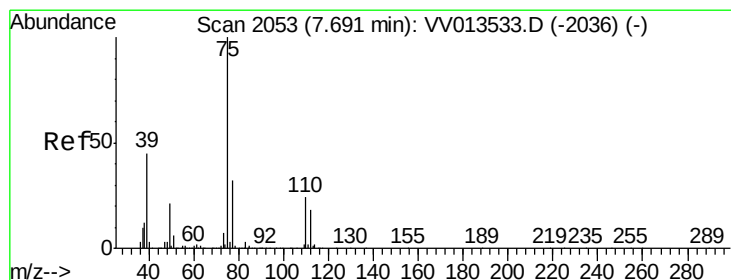
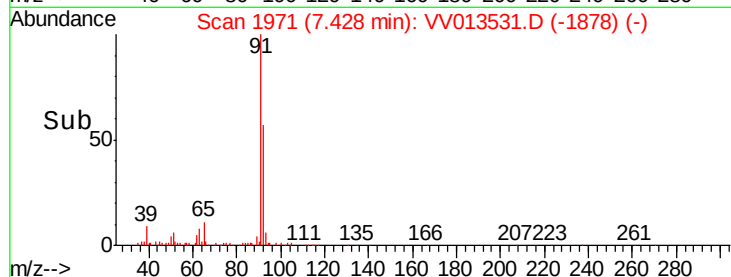
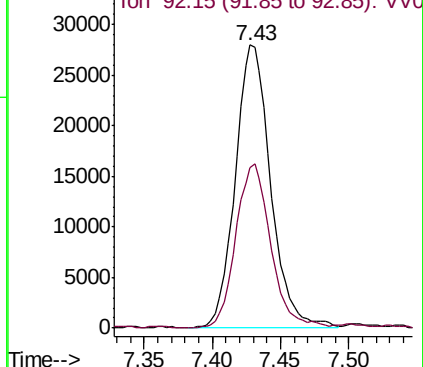
Ion Ratio Lower Upper

91 100

92 56.6 41.4 77.0



Abundance Ion 91.15 (90.85 to 91.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.345 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV013531.D

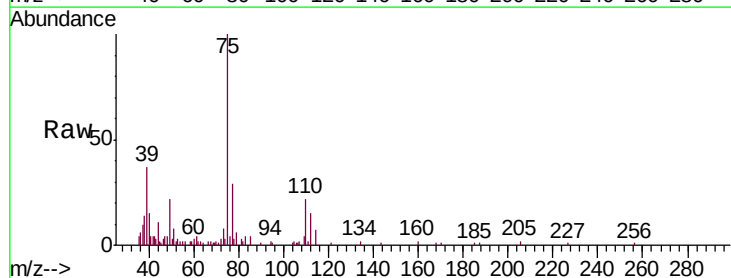
Acq: 08 Nov 2019 09:57

Tgt Ion: 75 Resp: 13342

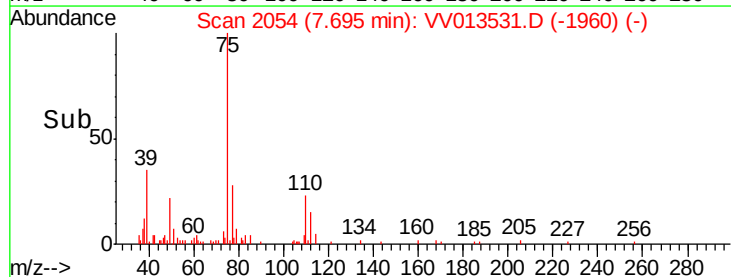
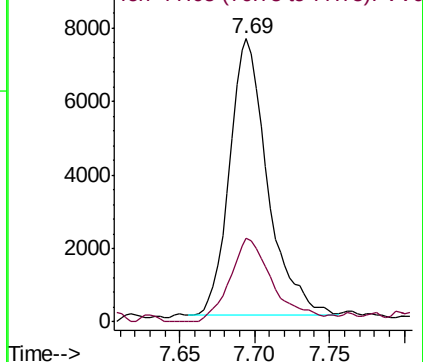
Ion Ratio Lower Upper

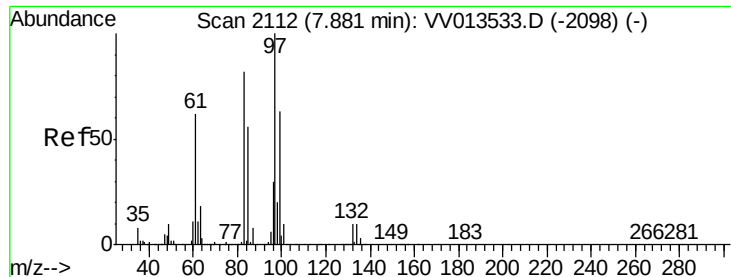
75 100

77 29.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

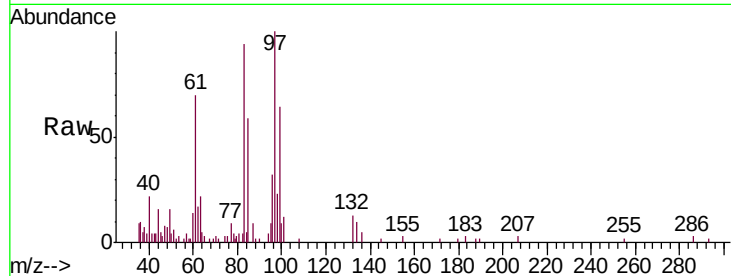




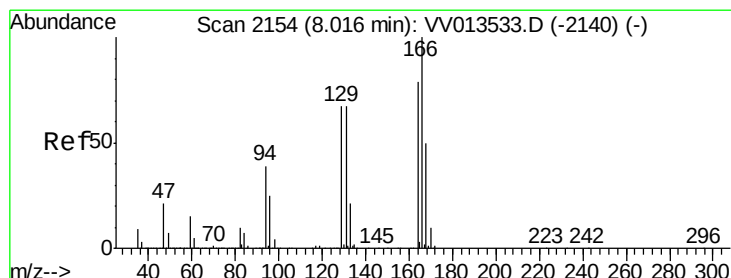
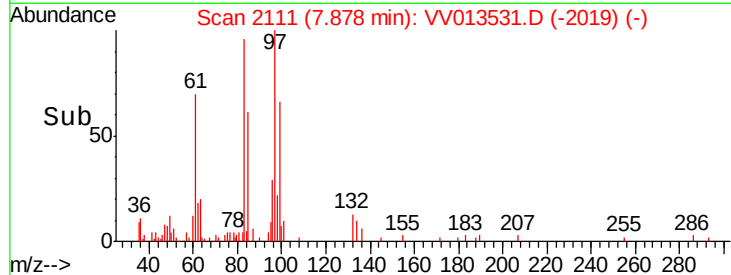
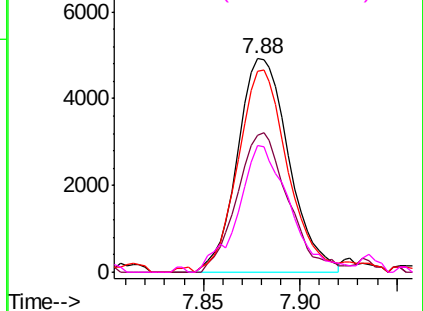
#45
 1,1,2-Trichloroethane
 Concen: 0.369 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:	97	Resp:	9120
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.4	82.5
83	94.1	57.5	106.7
85	59.1	39.5	73.4

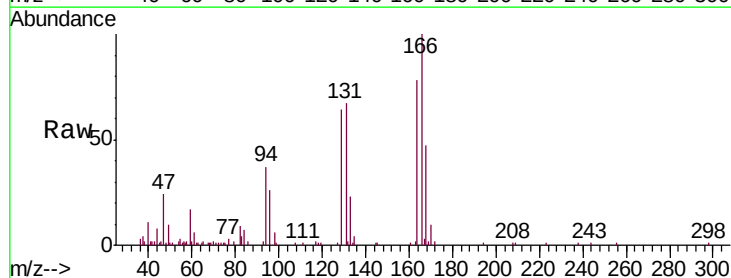


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

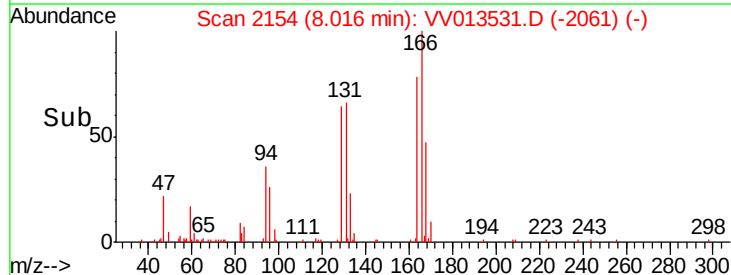
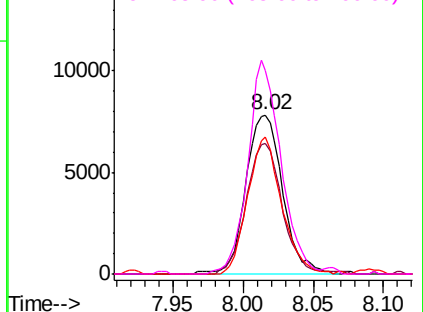


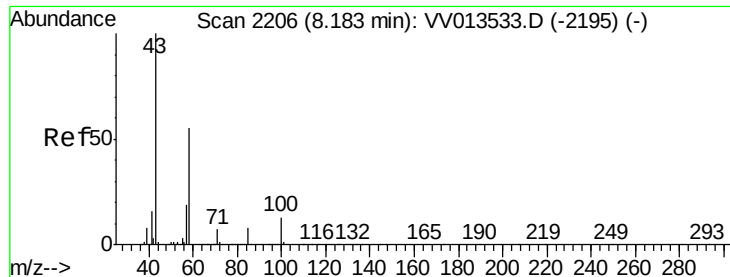
#47
 Tetrachloroethene
 Concen: 0.419 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion:	164	Resp:	14321
Ion	Ratio	Lower	Upper
164	100		
129	81.6	59.6	110.8
131	86.0	59.1	109.9
166	128.0	88.6	164.6



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

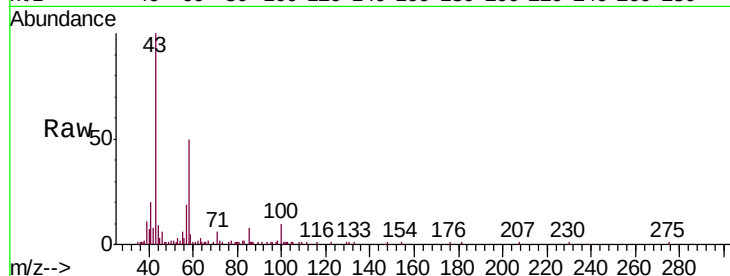




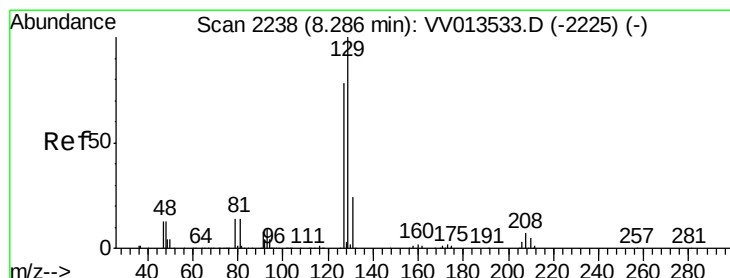
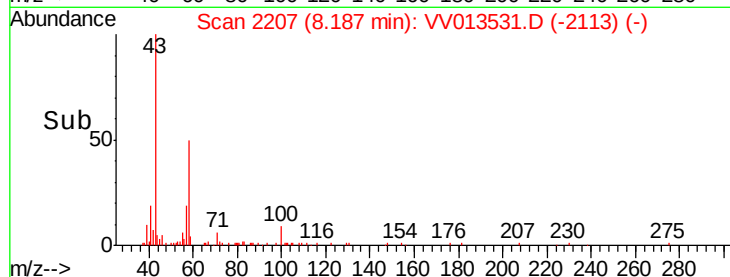
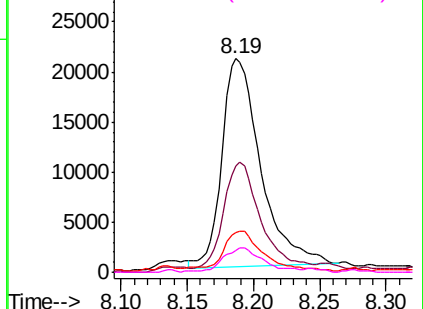
#48
2-Hexanone
Concen: 2.996 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:	43	Resp:	42426
Ion	Ratio	Lower	Upper
43	100		
58	49.8	43.8	65.8
57	20.2	15.0	22.6
100	12.2	9.8	14.6

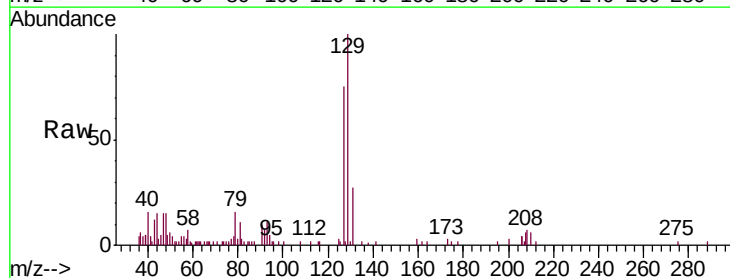


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

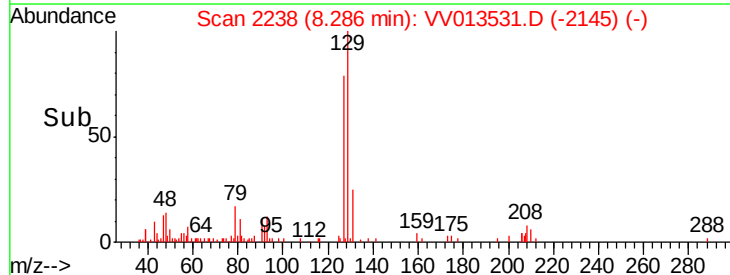
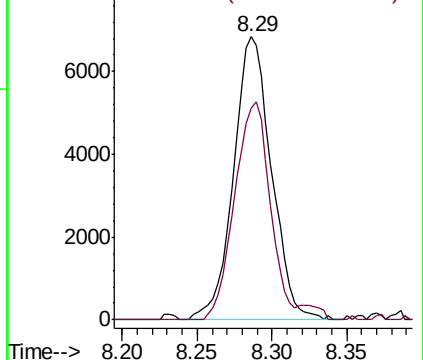


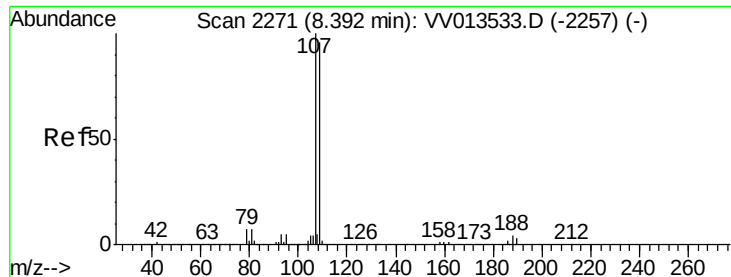
#49
Dibromochloromethane
Concen: 0.395 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion:	129	Resp:	12070
Ion	Ratio	Lower	Upper
129	100		
127	74.9	54.7	101.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

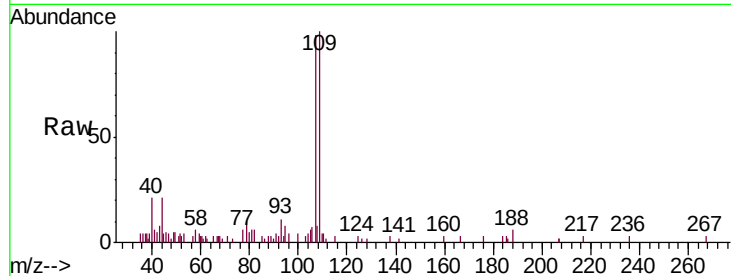




#50
1,2-Dibromoethane
Concen: 0.344 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion	Ratio	Lower	Upper
107	100		
109	102.0	66.9	124.3
188	5.7	3.4	5.0#

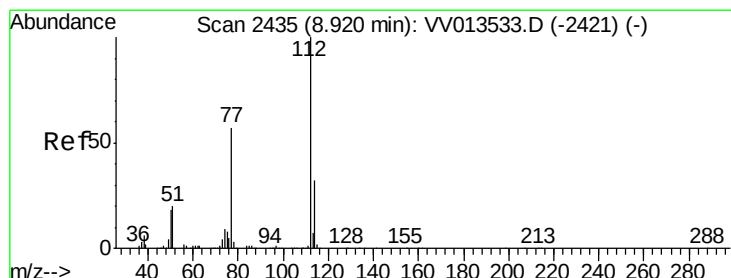
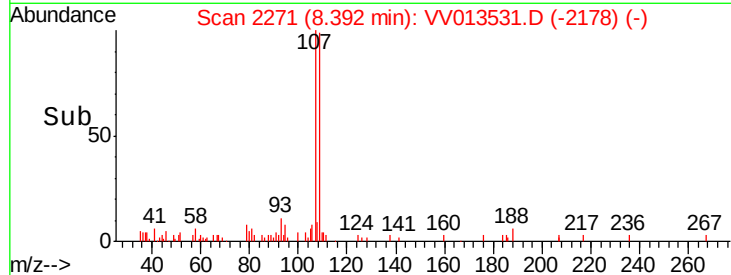
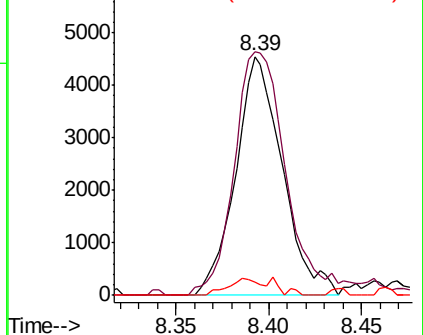


Abundance

Ion 106.95 (106.65 to 107.65): V

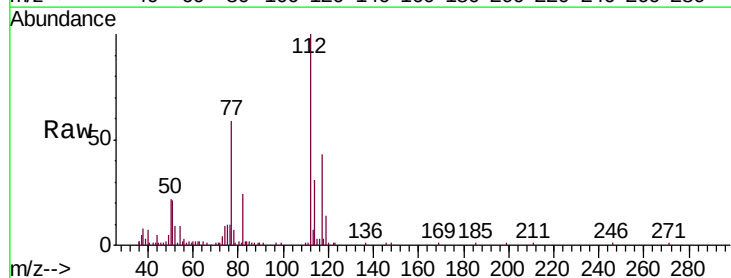
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.401 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	22.6	42.0
77	58.8	46.2	69.2

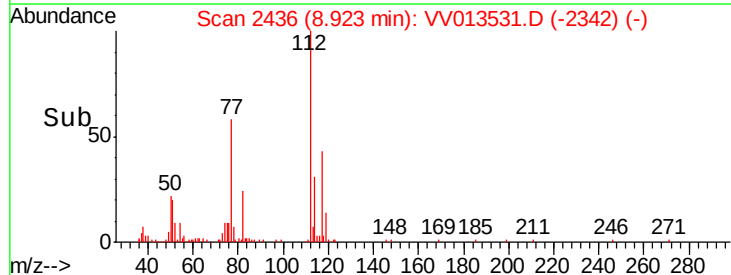
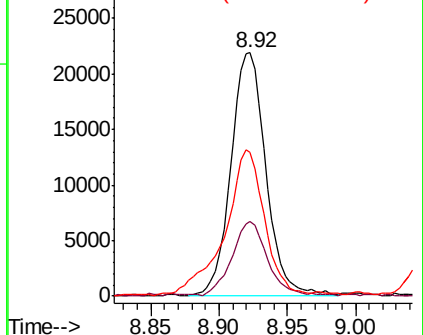


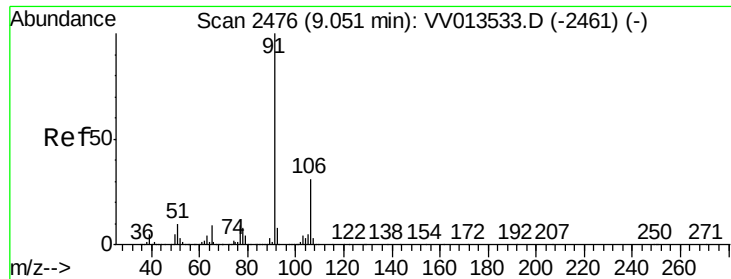
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.344 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

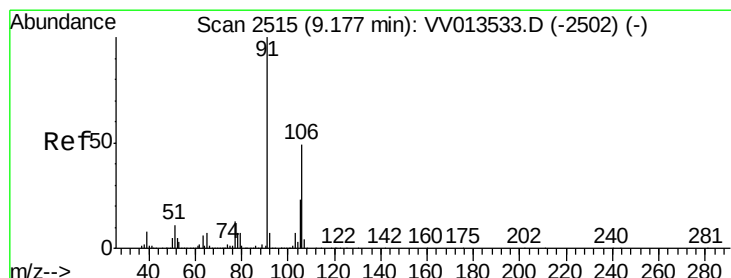
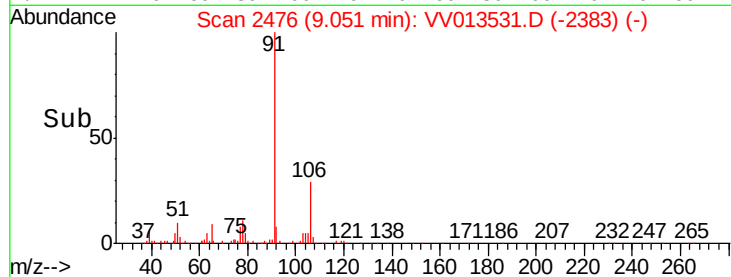
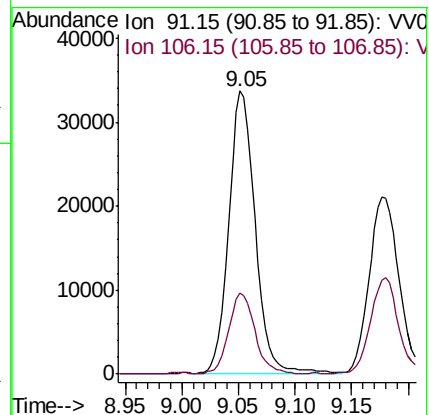
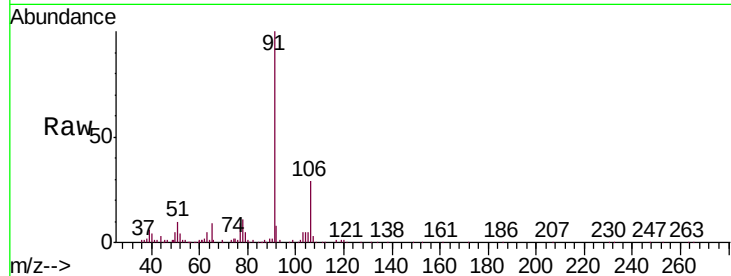
VSTD0.535

Tgt Ion: 91 Resp: 54449

Ion Ratio Lower Upper

91 100

106 28.6 21.6 40.0



#53

m,p-xylene

Concen: 0.328 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013531.D

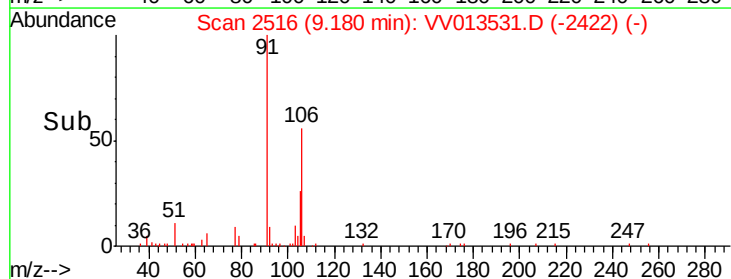
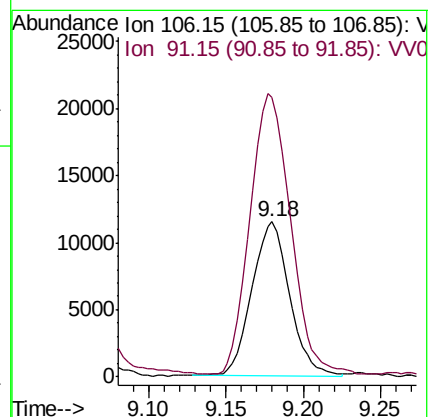
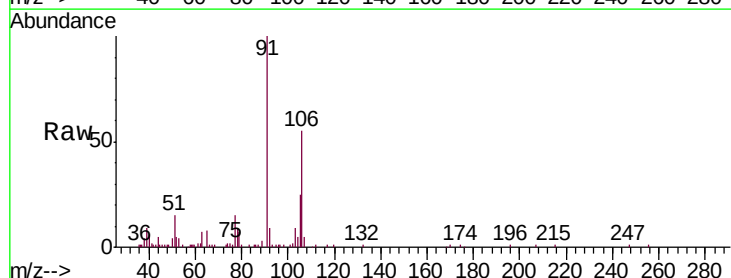
Acq: 08 Nov 2019 09:57

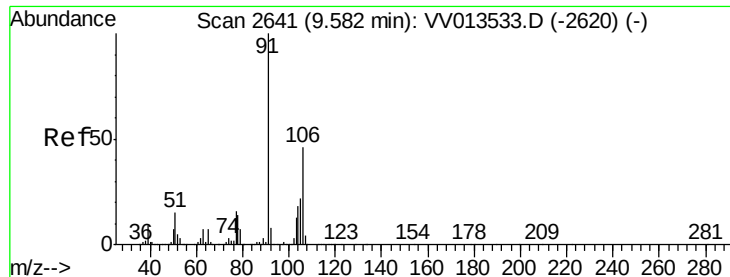
Tgt Ion: 106 Resp: 19494

Ion Ratio Lower Upper

106 100

91 180.9 142.0 263.6

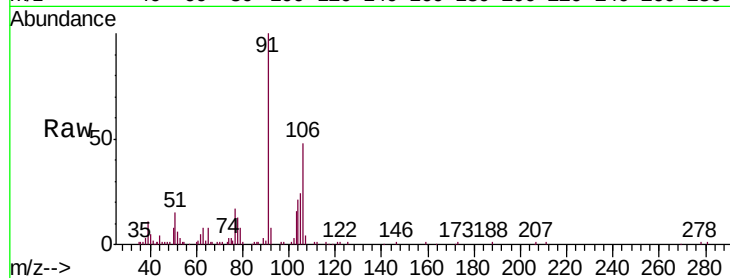




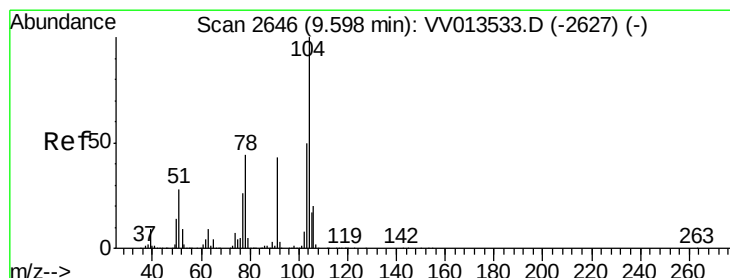
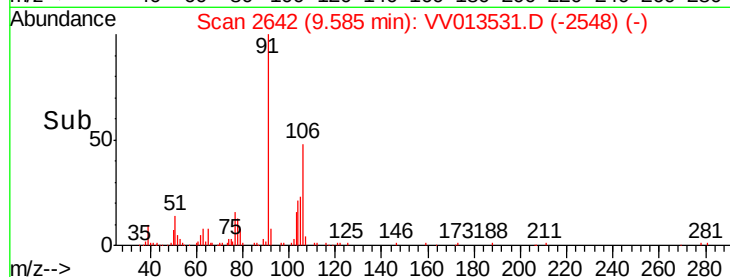
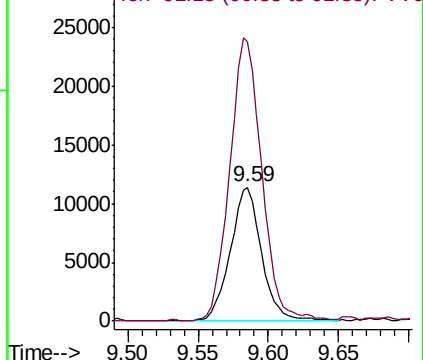
#54
o-xylene
Concen: 0.316 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tgt Ion:106 Resp: 17767
Ion Ratio Lower Upper
106 100
91 209.5 150.8 280.0

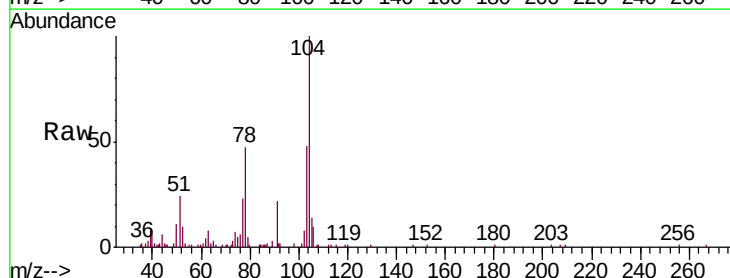


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

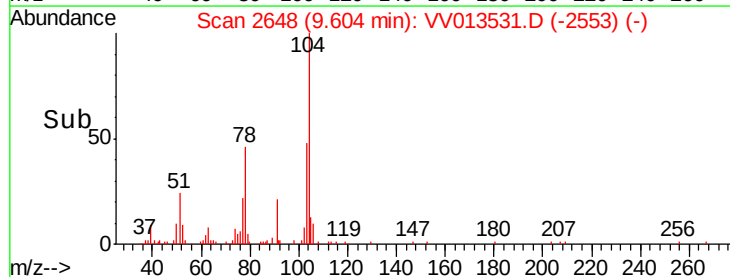
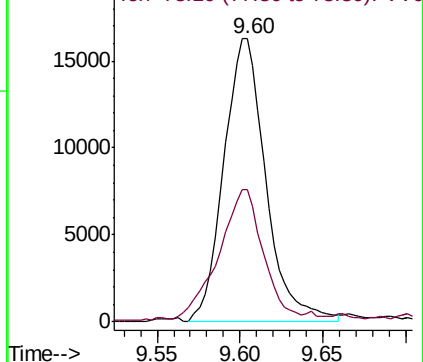


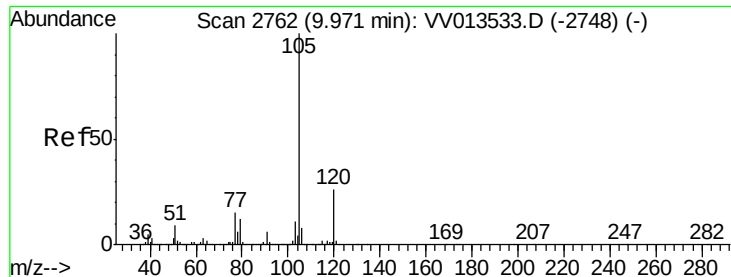
#55
Styrene
Concen: 0.302 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.01 min
Lab File: VV013531.D
Acq: 08 Nov 2019 09:57

Tgt Ion:104 Resp: 28759
Ion Ratio Lower Upper
104 100
78 47.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.312 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

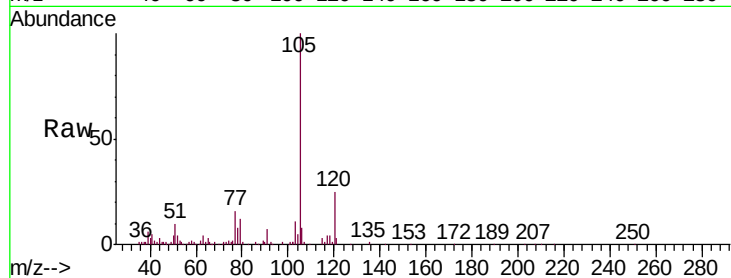
Tgt Ion: 105 Resp: 47884

Ion Ratio Lower Upper

105 100

120 26.1 20.9 31.3

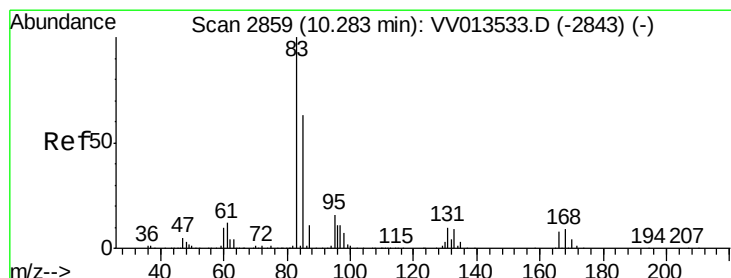
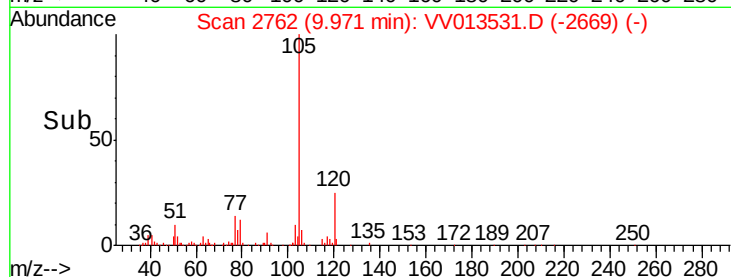
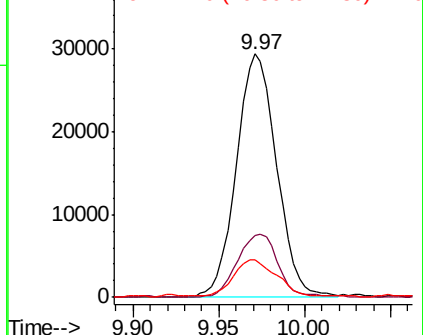
77 16.1 12.3 18.5



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: 0.396 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

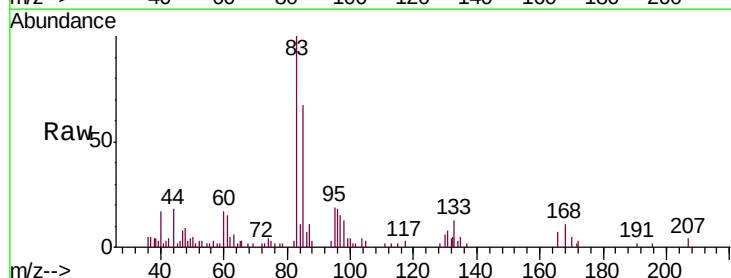
Tgt Ion: 83 Resp: 10362

Ion Ratio Lower Upper

83 100

85 66.6 44.1 81.9

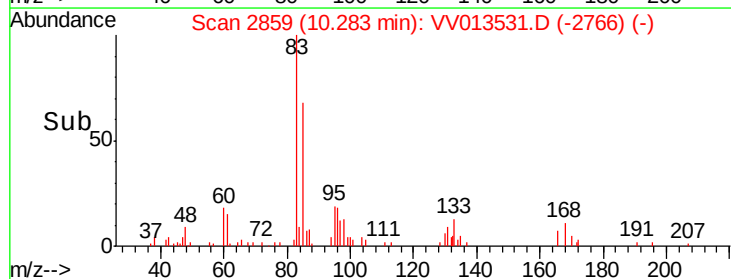
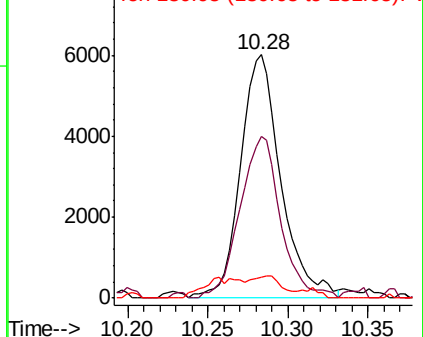
131 8.4 8.5 12.7#

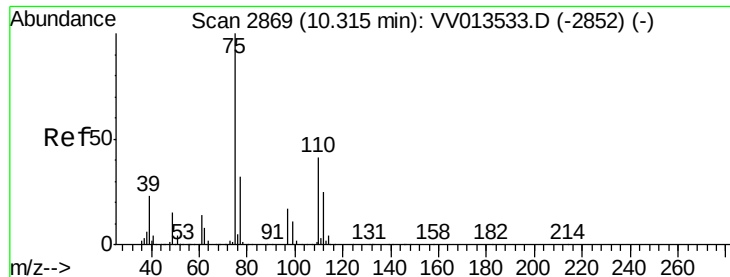


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.346 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

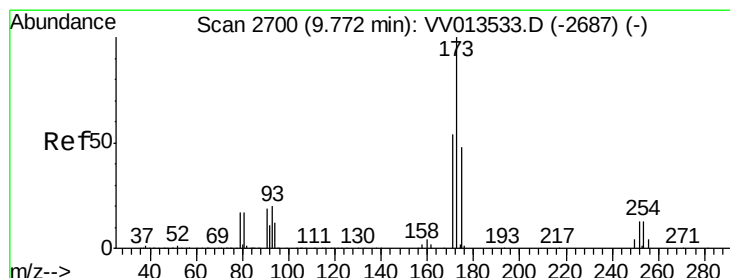
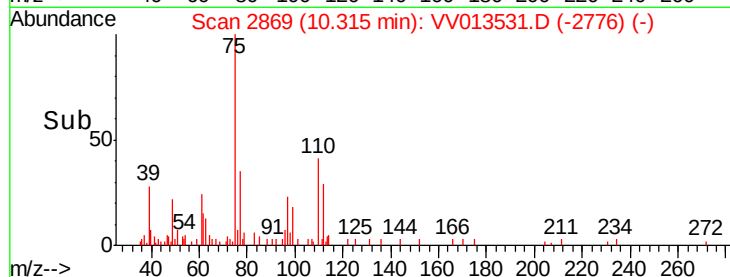
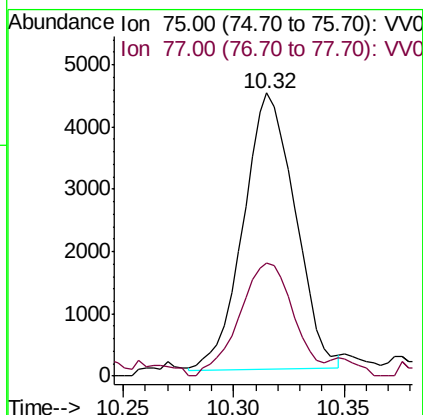
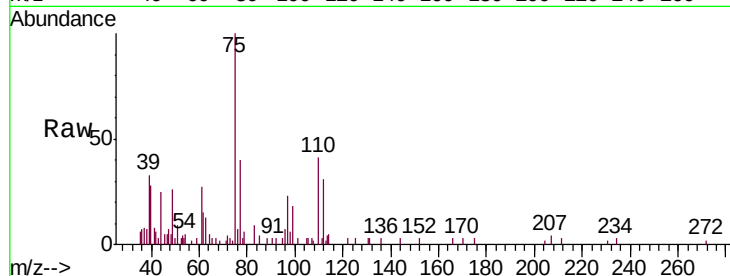
VSTD0.535

Tgt Ion: 75 Resp: 7240

Ion Ratio Lower Upper

75 100

77 42.7 26.3 39.5#



#61

Bromoform

Concen: 0.418 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.01 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

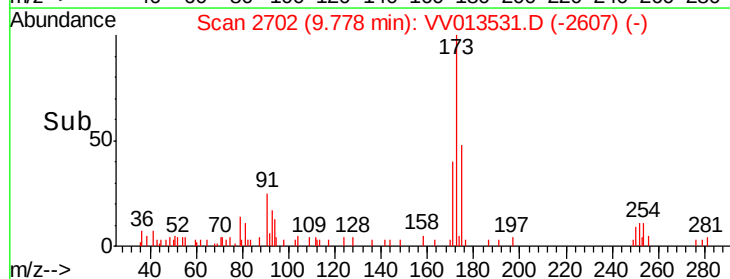
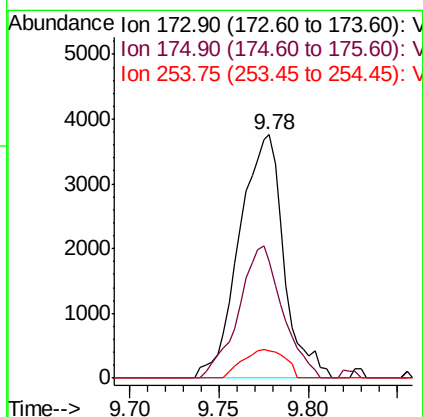
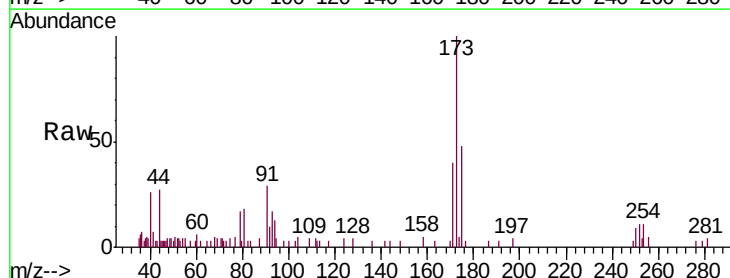
Tgt Ion: 173 Resp: 6517

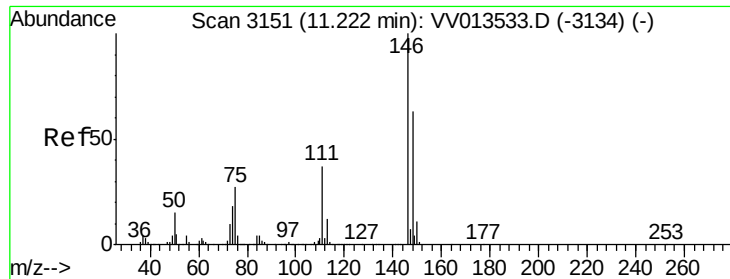
Ion Ratio Lower Upper

173 100

175 53.4 38.8 58.2

254 11.2 11.2 16.8





#62

1,3-Dichlorobenzene

Concen: 0.410 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

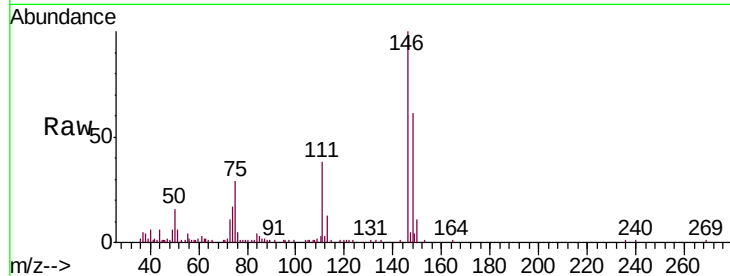
Tgt Ion:146 Resp: 29047

Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.6

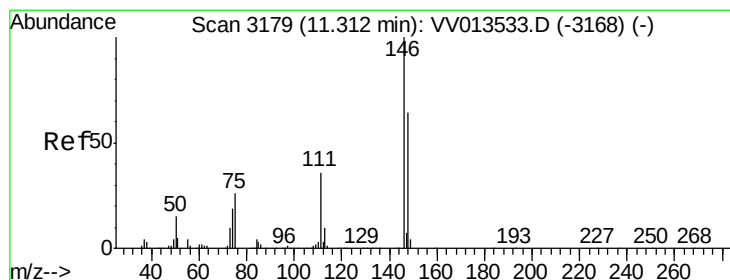
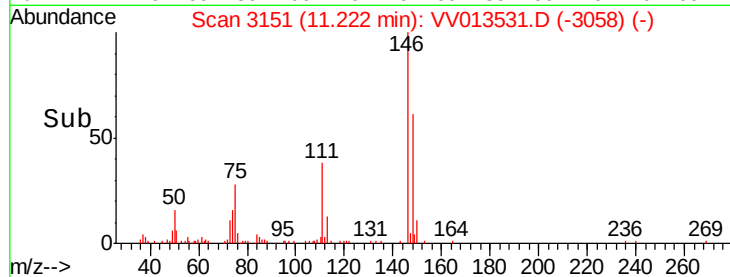
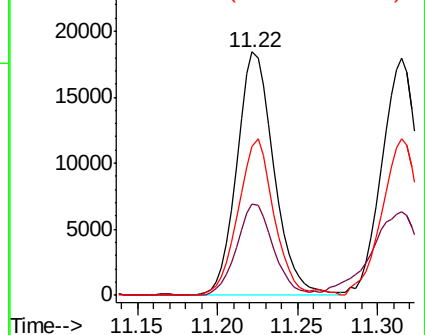
148 61.4 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.413 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

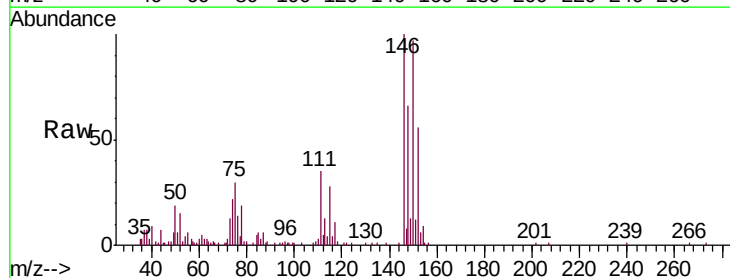
Tgt Ion:146 Resp: 28879

Ion Ratio Lower Upper

146 100

111 35.4 25.2 46.8

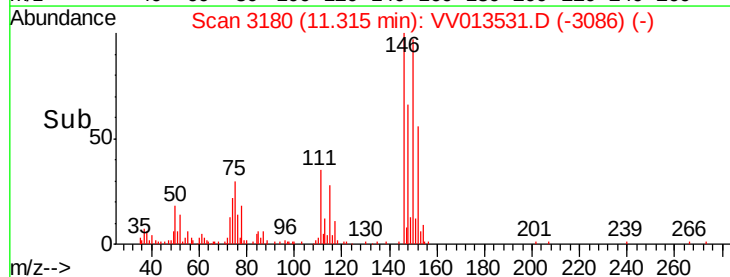
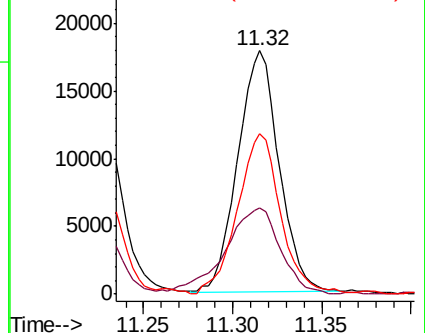
148 65.9 44.7 82.9

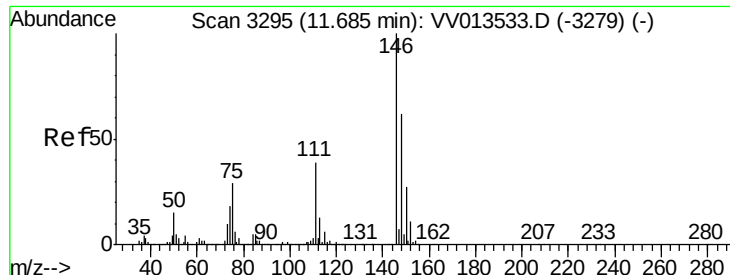


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

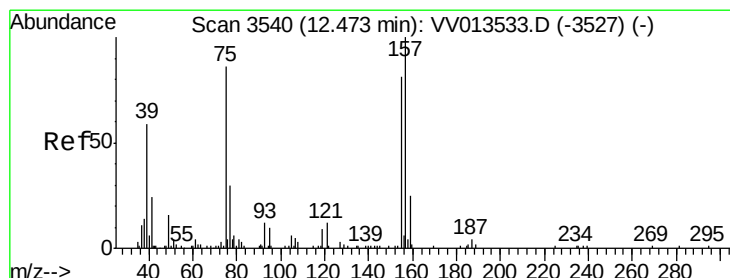
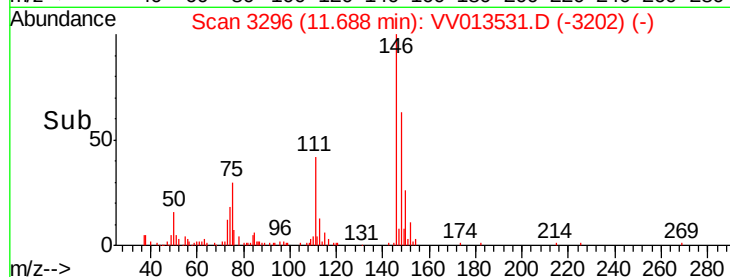
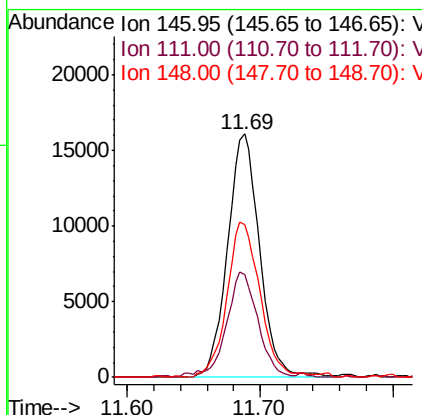
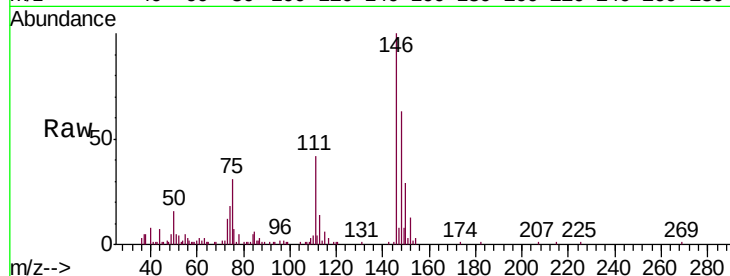




#65
 1,2-Dichlorobenzene
 Concen: 0.424 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

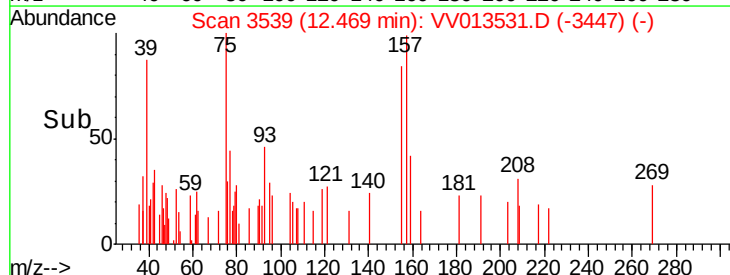
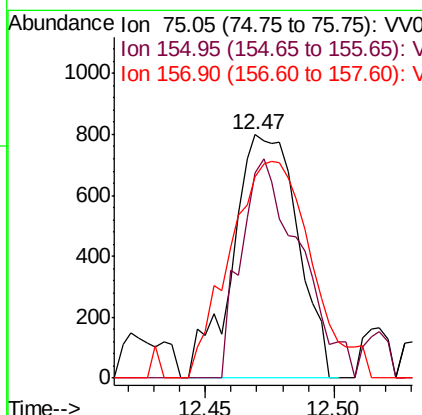
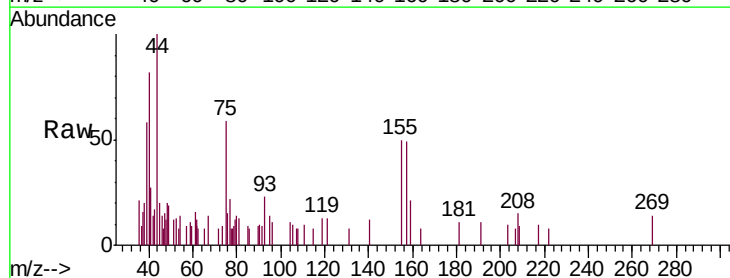
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

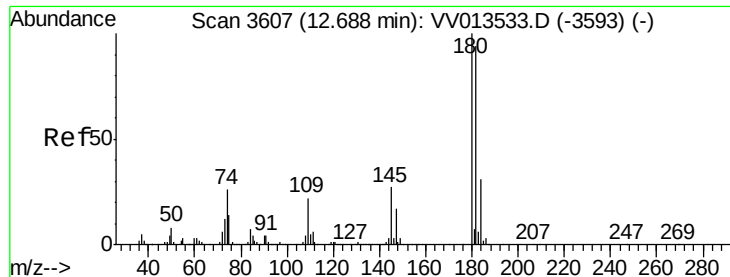
Tgt Ion: 146 Resp: 27066
 Ion Ratio Lower Upper
 146 100
 111 42.1 31.2 46.8
 148 62.9 49.4 74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.412 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion: 75 Resp: 1407
 Ion Ratio Lower Upper
 75 100
 155 84.5 75.0 112.6
 157 82.5 92.2 138.4#

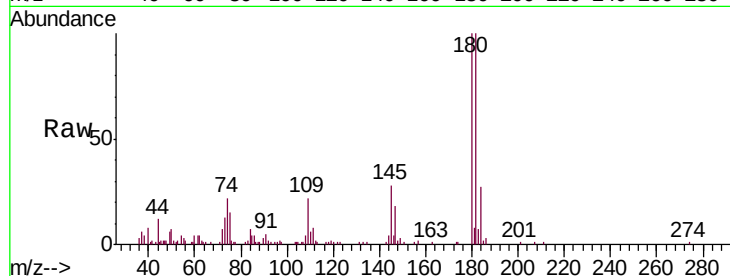




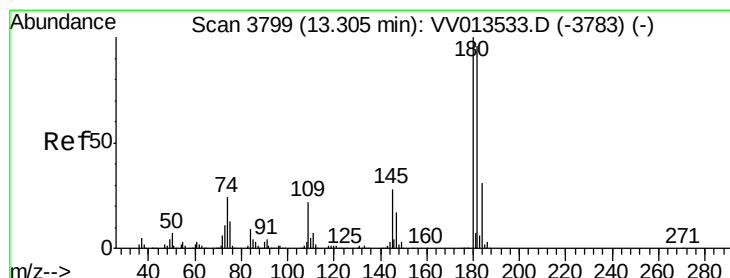
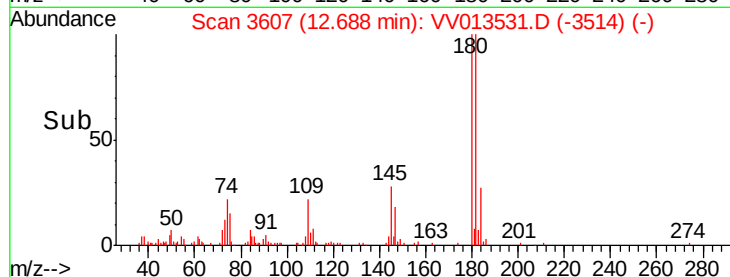
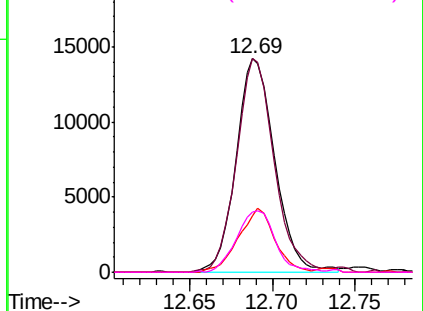
#67
 1,3,5-Trichlorobenzene
 Concen: 0.425 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tgt Ion:	180	Resp:	23023
Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.8	115.2
184	28.0	25.0	37.6
145	29.3	22.1	33.1

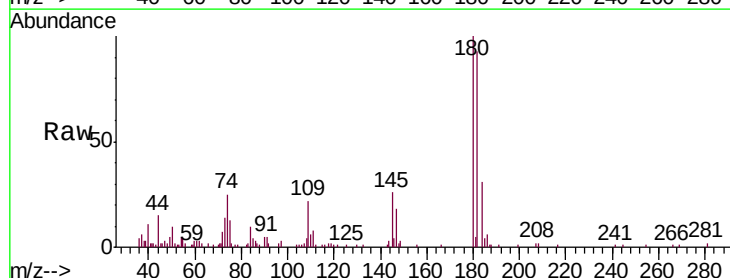


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

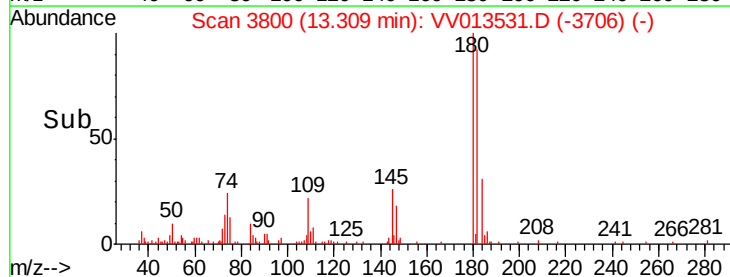
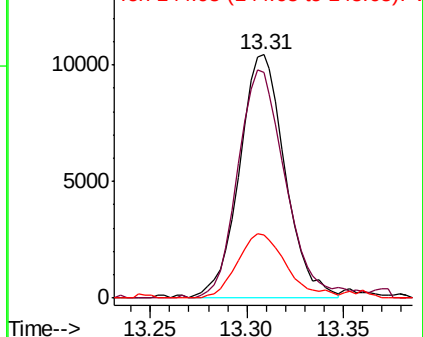


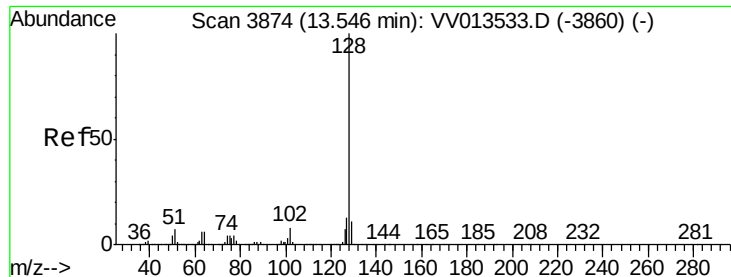
#68
 1,2,4-trichlorobenzene
 Concen: 0.418 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013531.D
 Acq: 08 Nov 2019 09:57

Tgt Ion:	180	Resp:	17178
Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.6	115.0
145	28.4	22.2	33.4



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: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

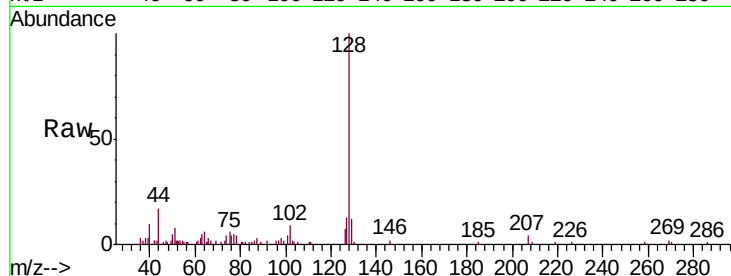
Tgt Ion:128 Resp: 18865

Ion Ratio Lower Upper

128 100

129 12.0 8.5 12.7

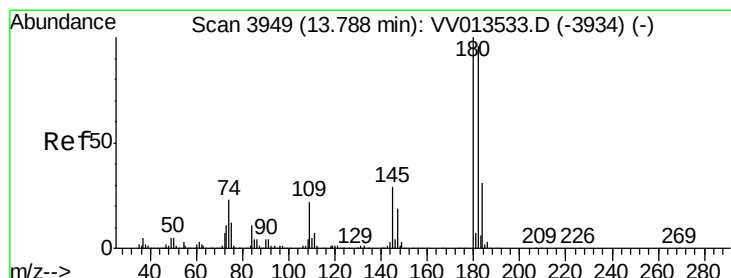
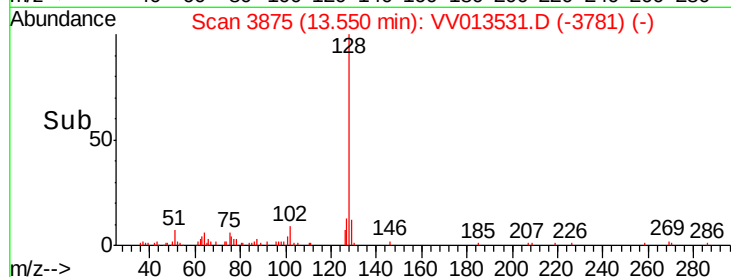
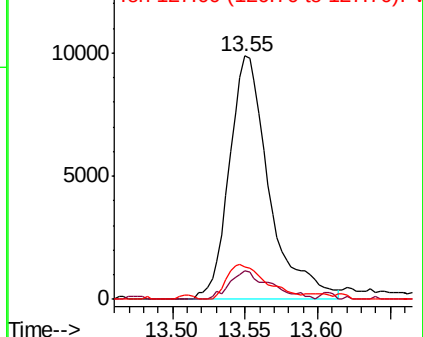
127 14.3 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.392 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013531.D

Acq: 08 Nov 2019 09:57

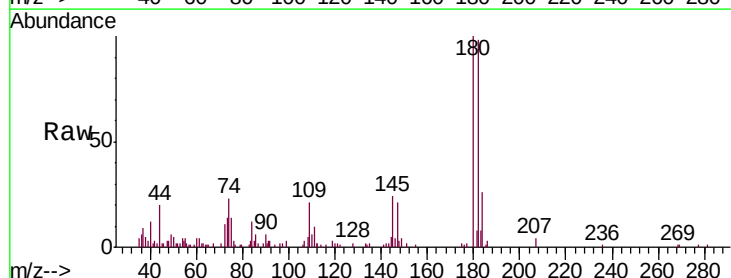
Tgt Ion:180 Resp: 15046

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 27.4 23.2 34.8



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

