

Data File : VV013534.D
Acq On : 08 Nov 2019 11:09
Operator : SY/MD
Sample : VSTD01032
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Quant Time: Nov 08 21:49:21 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	432098	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	422278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	231091	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	206465	10.60	ug/L	0.00
7) Chloroethane-d5	1.58	69	180310	10.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	383412	10.50	ug/L	0.00
20) 2-Butanone-d5	3.95	46	771206	116.86	ug/L	0.00
24) Chloroform-d	4.40	84	535882	10.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	278358	10.92	ug/L	0.00
32) Benzene-d6	5.09	84	959500	10.46	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	323266	10.50	ug/L	0.00
41) Toluene-d8	7.36	98	854831	10.85	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	128544	10.64	ug/L	0.00
46) 2-Hexanone-d5	8.13	63	583892	130.51	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	261010	10.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	402496	9.78	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	438272	10.390	ug/L	100
3) Chloromethane	1.25	50	393832	10.811	ug/L	100
5) Vinyl chloride	1.32	62	382932	10.970	ug/L	98
6) Bromomethane	1.54	94	201720	11.021	ug/L	100
8) Chloroethane	1.60	64	203777	10.507	ug/L	98
9) Trichlorofluoromethane	1.77	101	499352	10.760	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	278950	10.697	ug/L	99
12) 1,1-Dichloroethene	2.14	96	263672	10.932	ug/L	97
13) Acetone	2.22	43	399647	104.546	ug/L	98
14) Carbon disulfide	2.32	76	792368	10.691	ug/L	100
15) Methyl Acetate	2.47	43	130184	11.321	ug/L	98
16) Methylene chloride	2.53	84	331537	9.684	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	739888	11.115	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	337067	10.842	ug/L	99
19) 1,1-Dichloroethane	3.23	63	624373	10.619	ug/L	97
21) 2-Butanone	4.04	43	848243	116.712	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	355964	11.019	ug/L	97
23) Bromochloromethane	4.30	128	161057	11.068	ug/L	96
25) Chloroform	4.42	83	643608	10.407	ug/L	97
27) 1,2-Dichloroethane	5.18	62	381823	11.037	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	534931	10.536	ug/L	98
30) Cyclohexane	4.72	56	580217	11.003	ug/L	98
31) Carbon tetrachloride	4.87	117	487103	10.695	ug/L	99
33) Benzene	5.14	78	1377114	10.830	ug/L	100
34) Trichloroethene	5.96	95	364018	10.640	ug/L	98
35) Methylcyclohexane	6.17	83	593417	11.164	ug/L	99
37) 1,2-Dichloropropane	6.22	63	345086	10.800	ug/L	100
38) Bromodichloromethane	6.55	83	430318	10.530	ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	495632	11.497	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	2113626	117.266	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	1504536	11.435	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	384159	11.151	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	231080	10.504	ug/L	98
47) Tetrachloroethene	8.01	164	319484	10.504	ug/L	98
48) 2-Hexanone	8.18	43	1499795	119.028	ug/L	99
49) Dibromochloromethane	8.29	129	292148	10.754	ug/L	100
50) 1,2-Dibromoethane	8.39	107	215248	10.470	ug/L	98
51) Chlorobenzene	8.92	112	935935	10.788	ug/L	99
52) Ethylbenzene	9.05	91	1617790	11.475	ug/L	100
53) m,p-xylene	9.18	106	628390	11.895	ug/L	99
54) o-xylene	9.58	106	595579	11.919	ug/L	99
55) Styrene	9.60	104	1032946	12.189	ug/L	100
56) Isopropylbenzene	9.97	105	1623811	11.899	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	258977	11.127	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	202748	10.888	ug/L	96
61) Bromoform	9.77	173	172095	10.580	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	797800	10.794	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	785047	10.748	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	718565	10.784	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	38224	10.708	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	629753	11.125	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	504307	11.760	ug/L	100
69) Naphthalene	13.55	128	729555	12.596	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	474261	11.838	ug/L	99

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

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

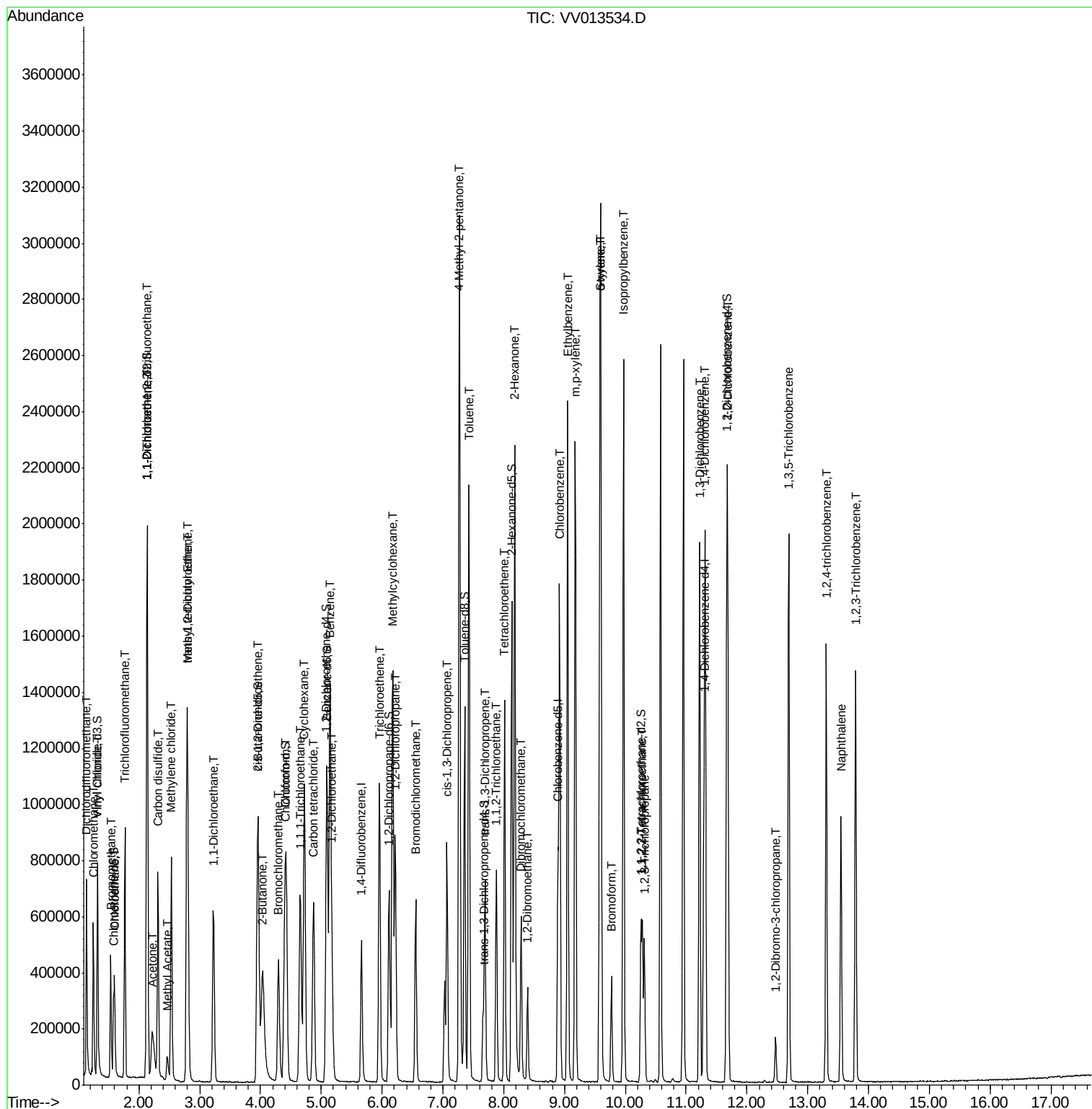
Quant Time: Nov 08 21:49:21 2019

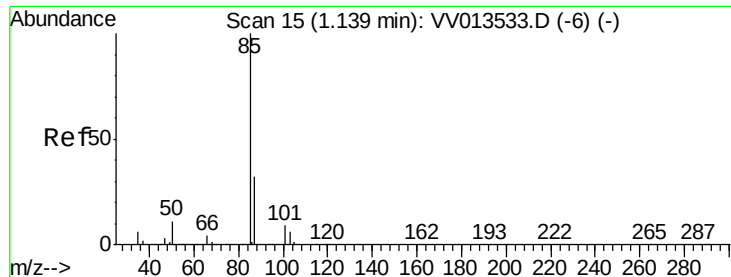
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR110819WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 10.390 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

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Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

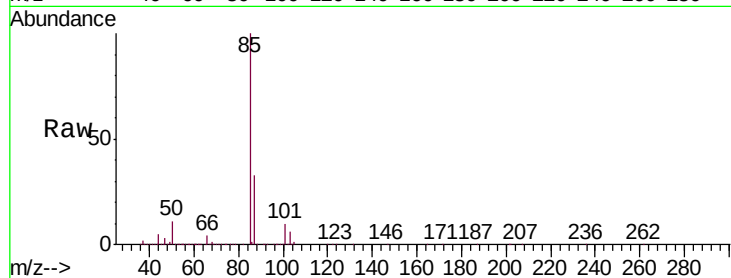
VSTD01032

Tgt Ion: 85 Resp: 438272

Ion Ratio Lower Upper

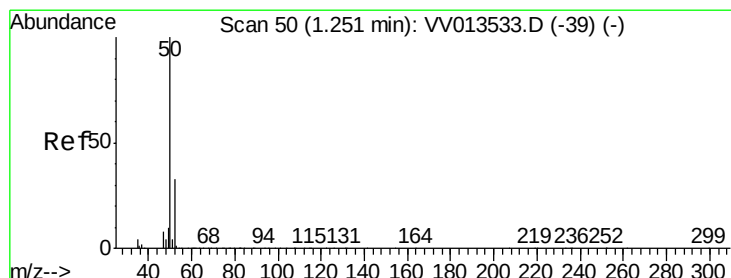
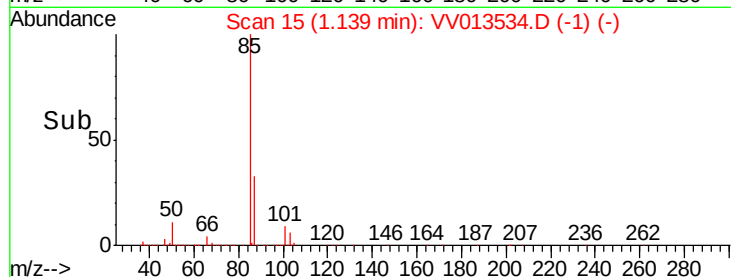
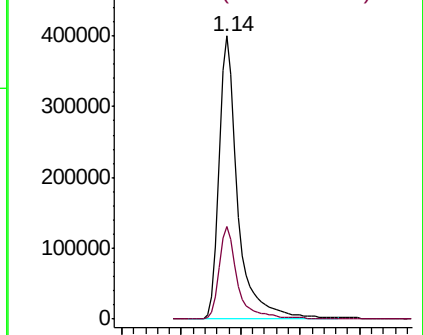
85 100

87 32.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 10.811 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013534.D

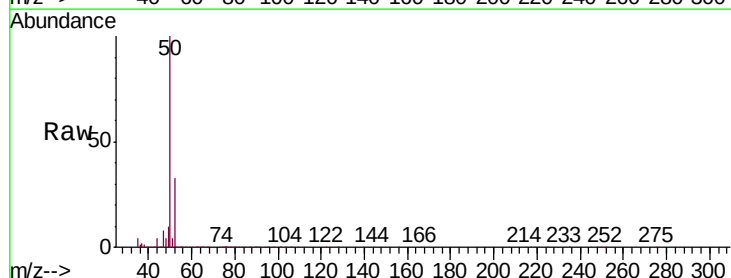
Acq: 08 Nov 2019 11:09

Tgt Ion: 50 Resp: 393832

Ion Ratio Lower Upper

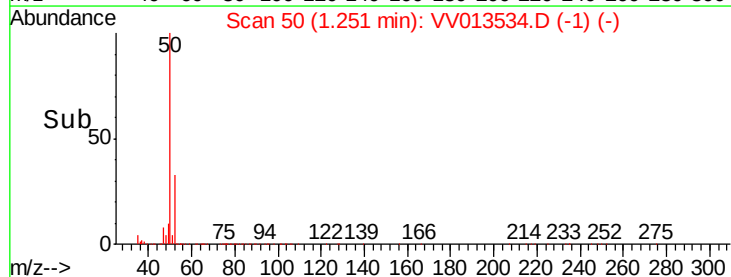
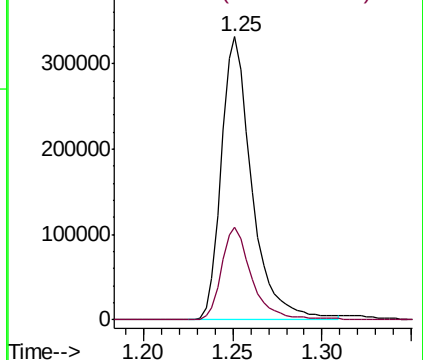
50 100

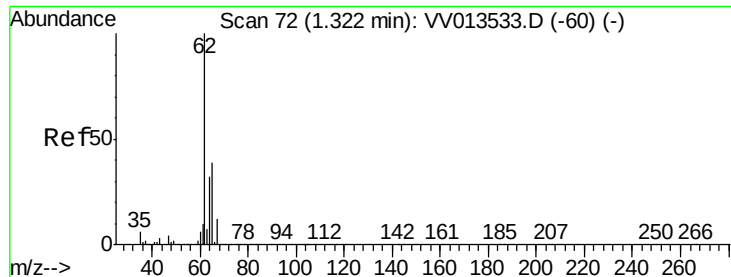
52 32.7 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 10.970 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

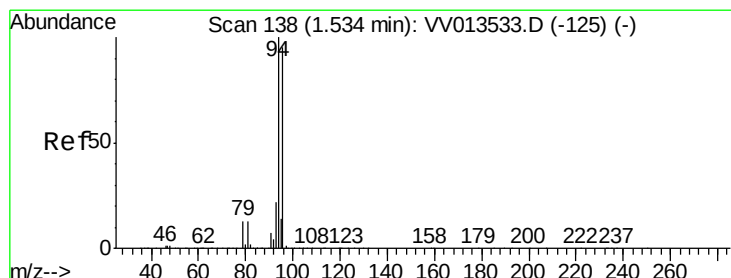
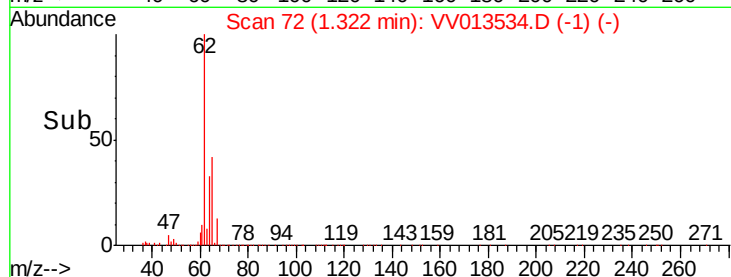
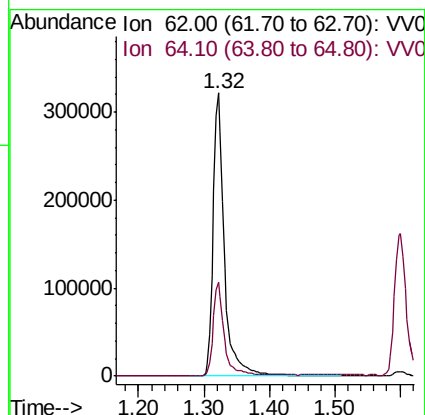
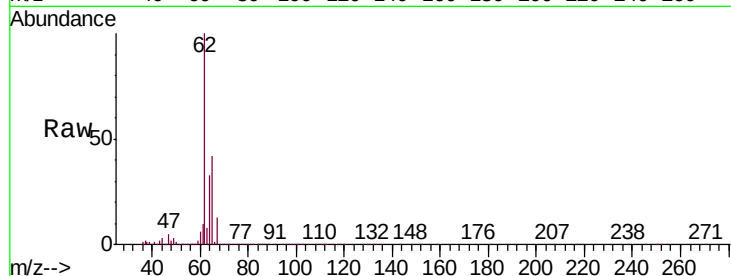
VSTD01032

Tgt Ion: 62 Resp: 382932

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



#6

Bromomethane

Concen: 11.021 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013534.D

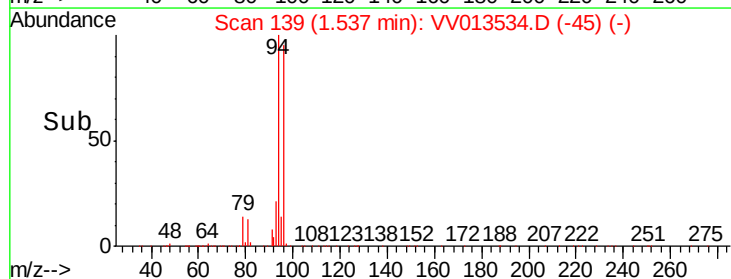
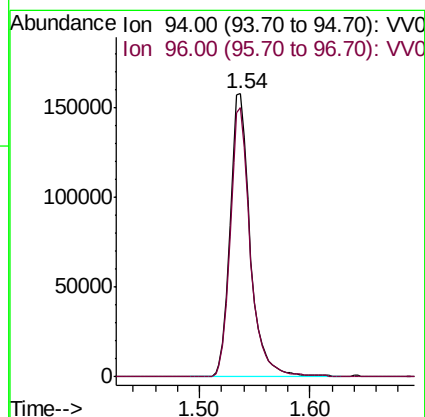
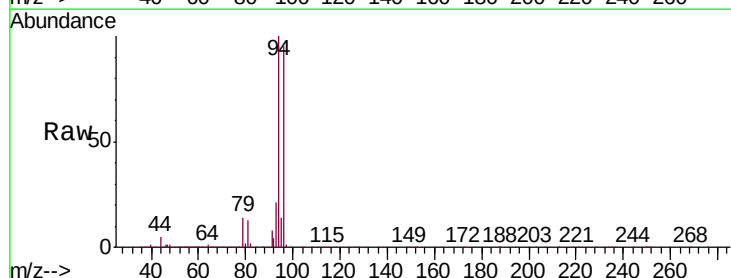
Acq: 08 Nov 2019 11:09

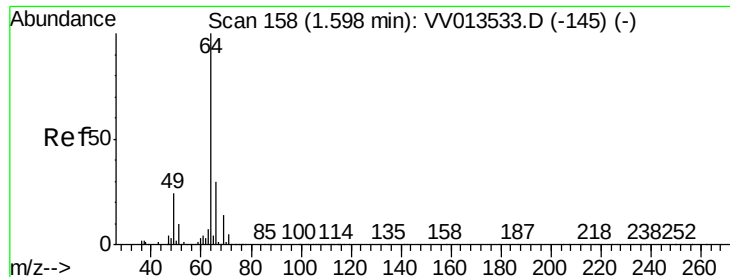
Tgt Ion: 94 Resp: 201720

Ion Ratio Lower Upper

94 100

96 95.2 66.4 123.4

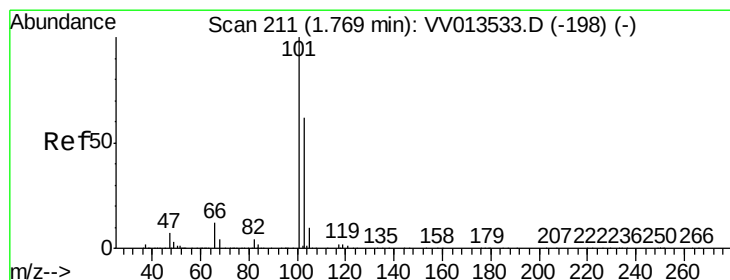
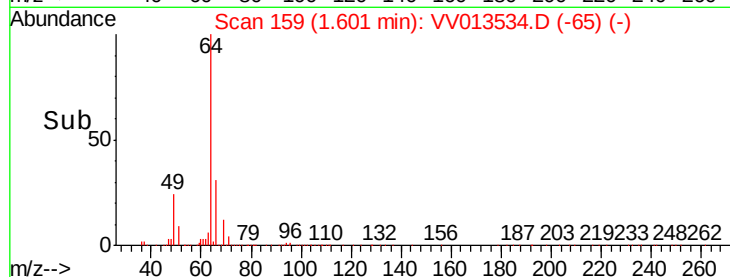
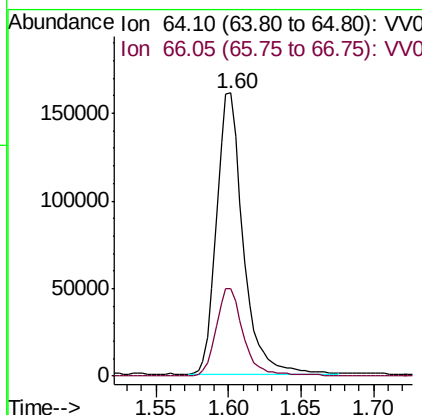
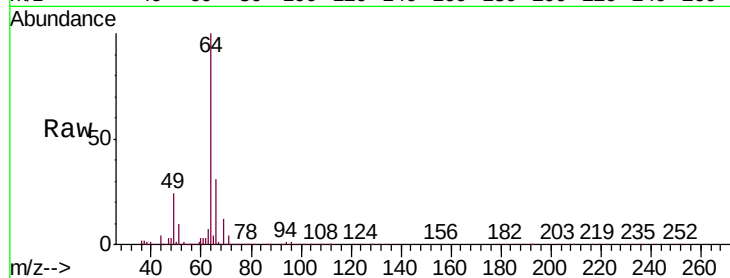




#8
Chloroethane
Concen: 10.507 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

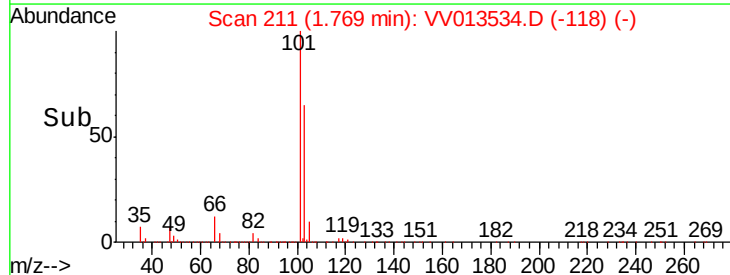
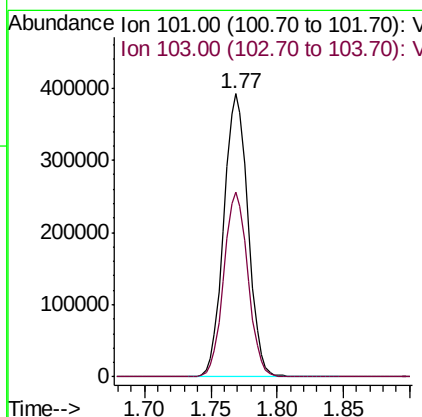
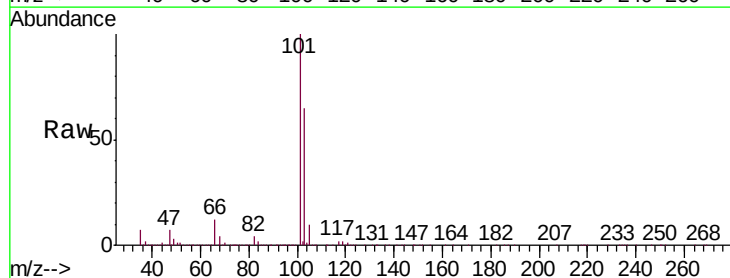
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

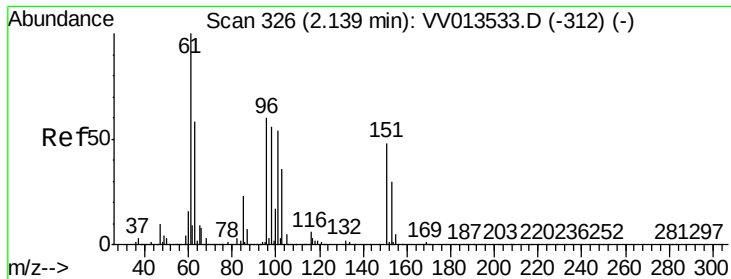
Tgt Ion: 64 Resp: 203777
Ion Ratio Lower Upper
64 100
66 31.0 21.1 39.3



#9
Trichlorofluoromethane
Concen: 10.760 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion: 101 Resp: 499352
Ion Ratio Lower Upper
101 100
103 64.8 50.5 75.7





#10

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

Concen: 10.697 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

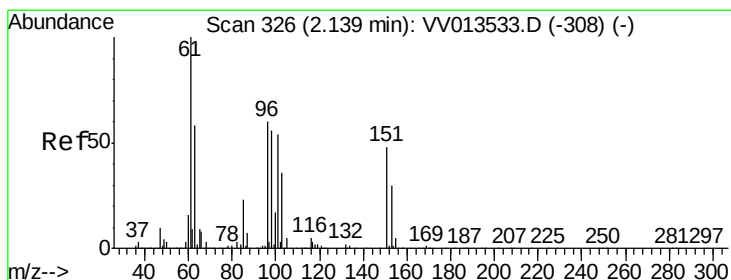
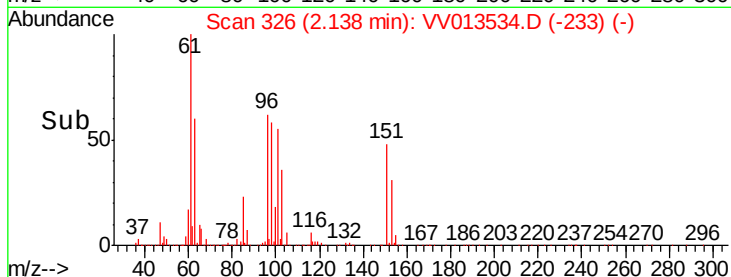
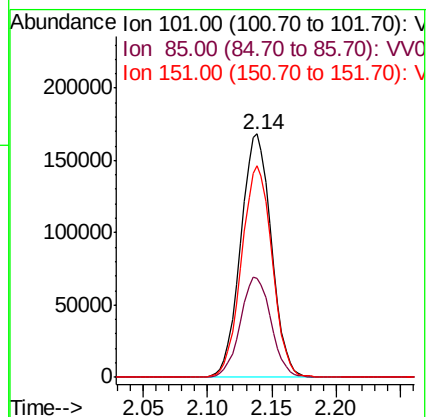
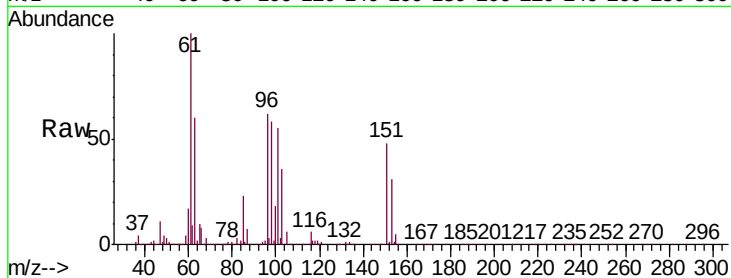
Tgt Ion: 101 Resp: 278950

Ion Ratio Lower Upper

101 100

85 41.2 33.8 50.8

151 87.0 69.5 104.3



#12

1,1-Dichloroethene

Concen: 10.932 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

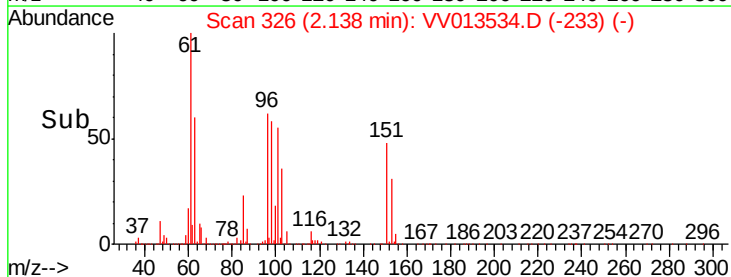
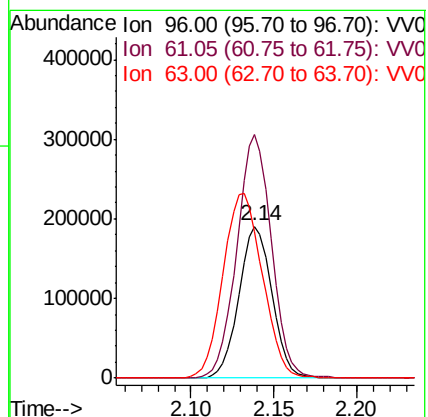
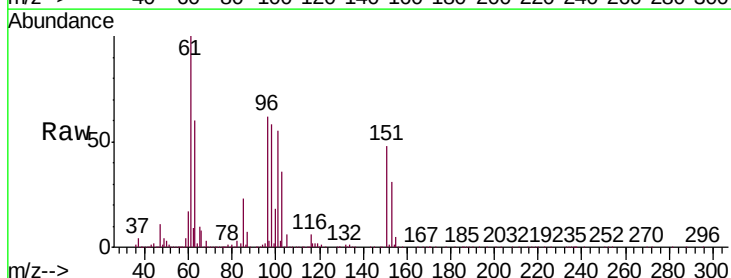
Tgt Ion: 96 Resp: 263672

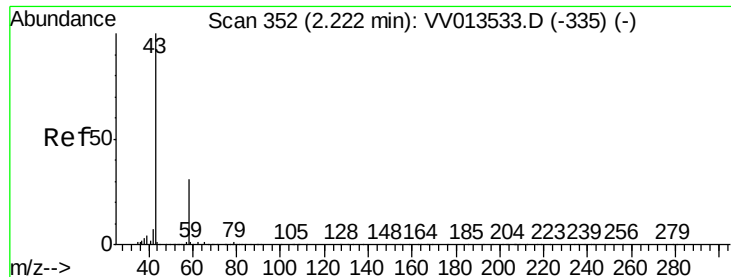
Ion Ratio Lower Upper

96 100

61 160.7 117.1 217.5

63 96.7 68.5 127.1





#13

Acetone

Concen: 104.546 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

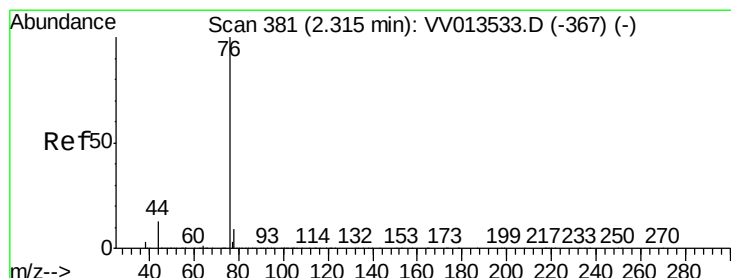
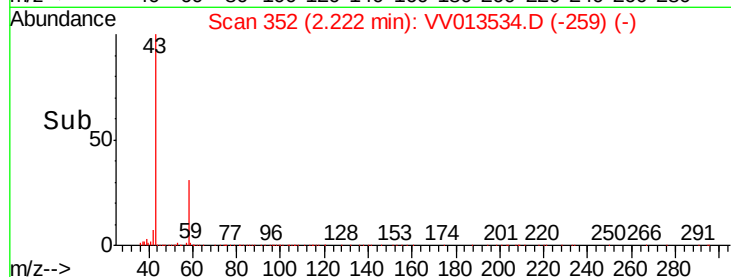
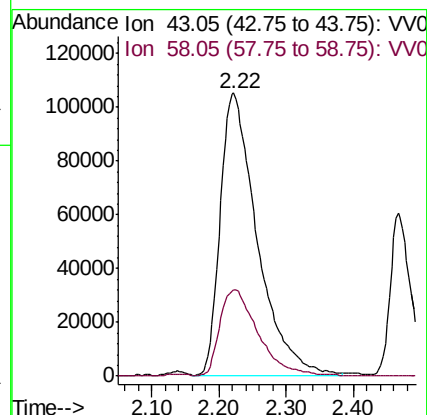
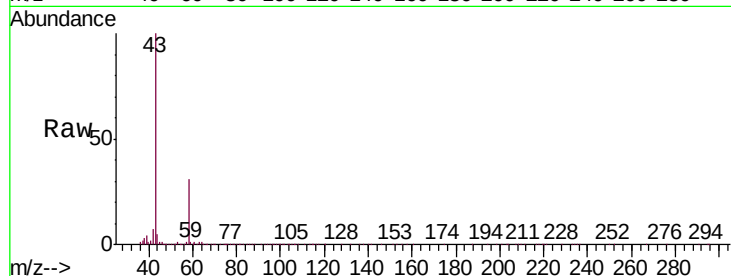
VSTD01032

Tgt Ion: 43 Resp: 399647

Ion Ratio Lower Upper

43 100

58 31.3 0.0 60.8



#14

Carbon disulfide

Concen: 10.691 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013534.D

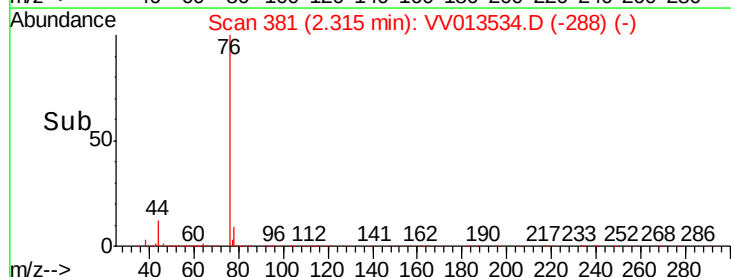
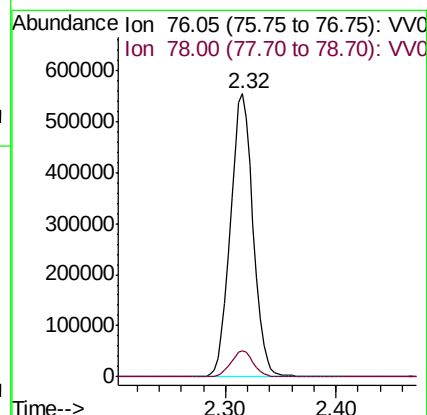
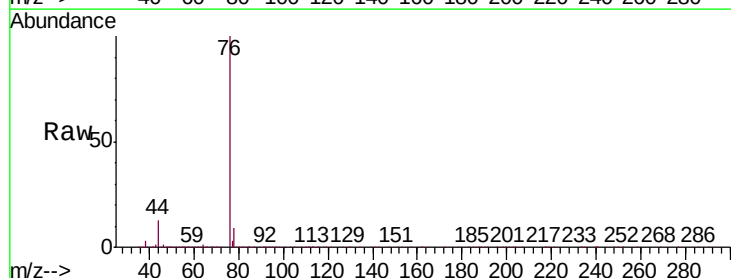
Acq: 08 Nov 2019 11:09

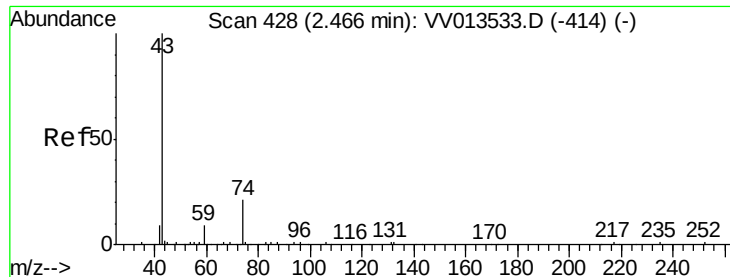
Tgt Ion: 76 Resp: 792368

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3

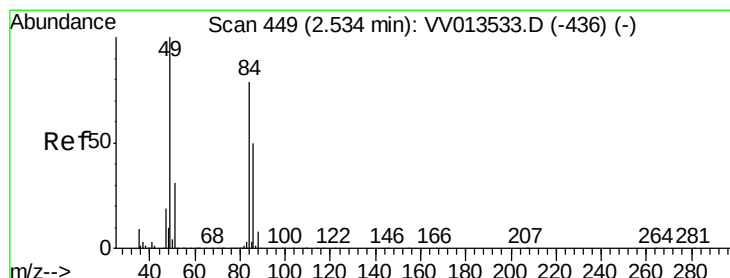
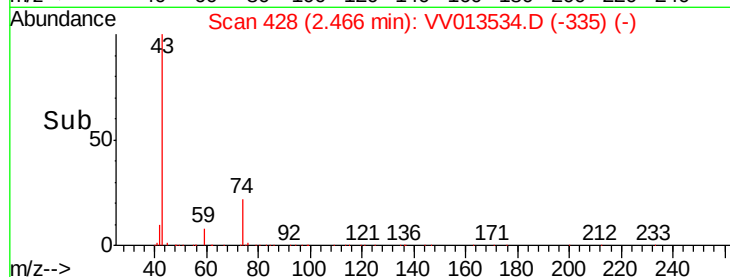
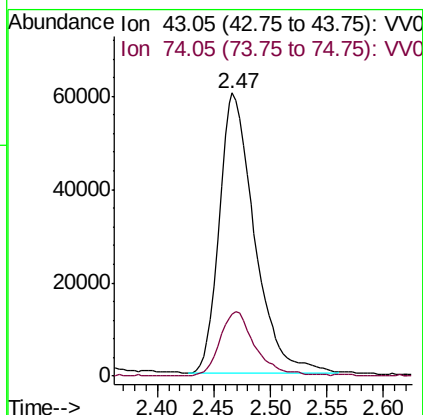
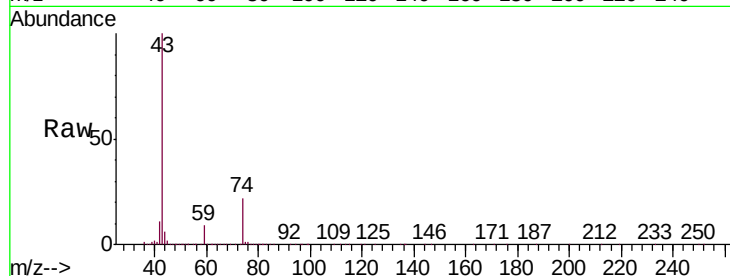




#15
Methyl Acetate
Concen: 11.321 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

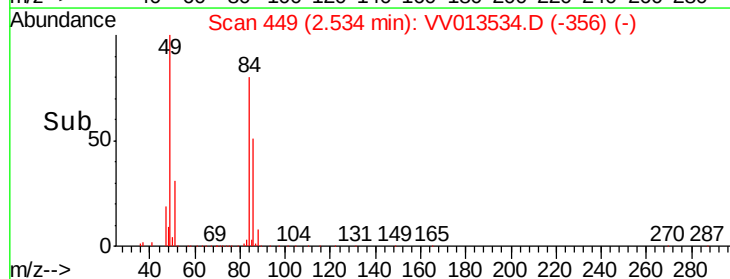
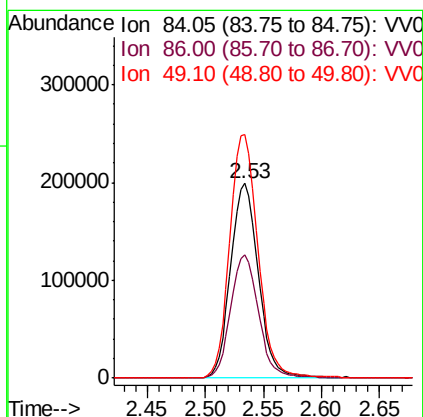
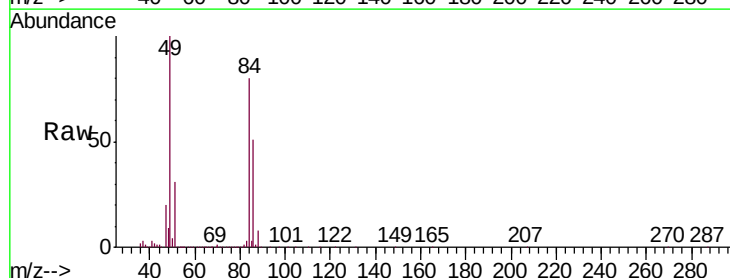
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

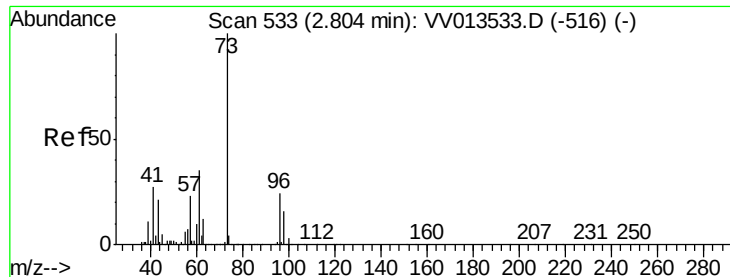
Tgt Ion: 43 Resp: 130184
Ion Ratio Lower Upper
43 100
74 23.3 19.4 29.0



#16
Methylene chloride
Concen: 9.684 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion: 84 Resp: 331537
Ion Ratio Lower Upper
84 100
86 63.5 44.2 82.2
49 125.0 88.8 164.8





#17

Methyl tert-butyl Ether

Concen: 11.115 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

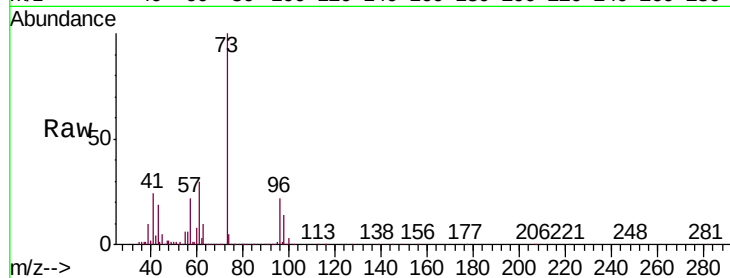
Tgt Ion: 73 Resp: 739888

Ion Ratio Lower Upper

73 100

43 19.6 16.4 24.6

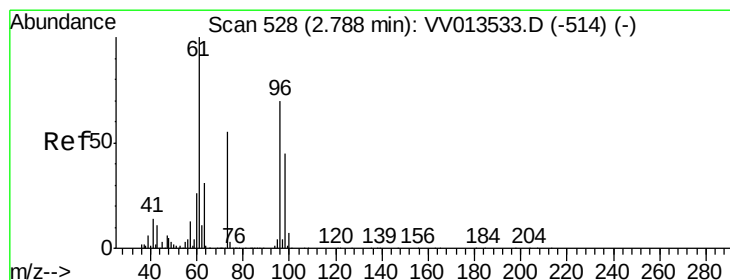
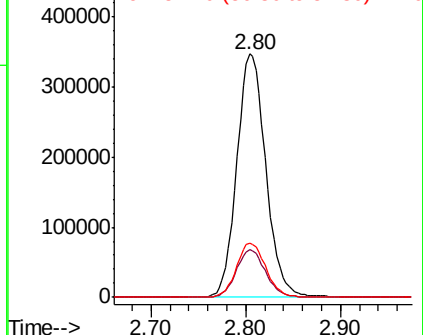
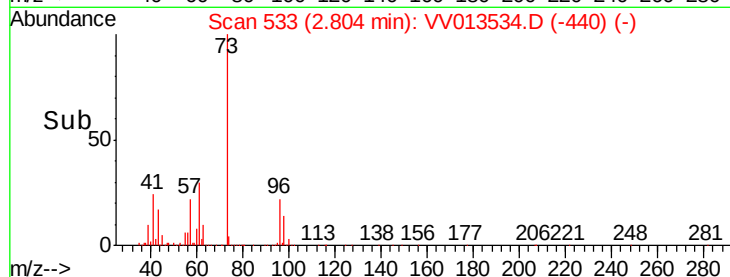
57 22.6 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 10.842 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

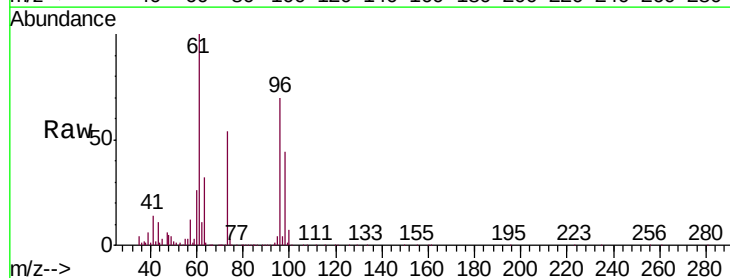
Tgt Ion: 96 Resp: 337067

Ion Ratio Lower Upper

96 100

61 143.7 100.0 185.8

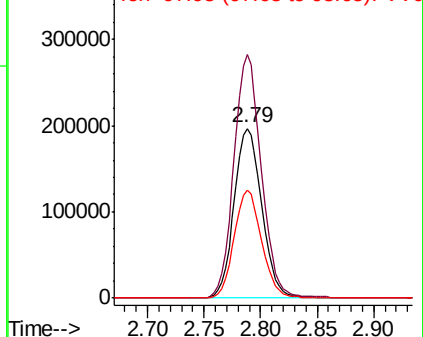
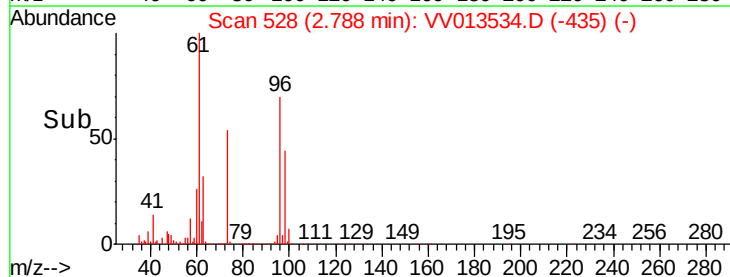
98 63.5 45.3 84.1

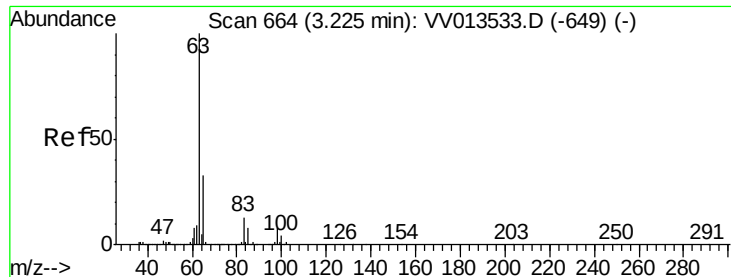


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

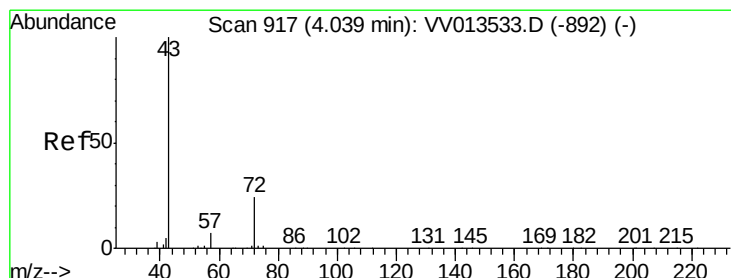
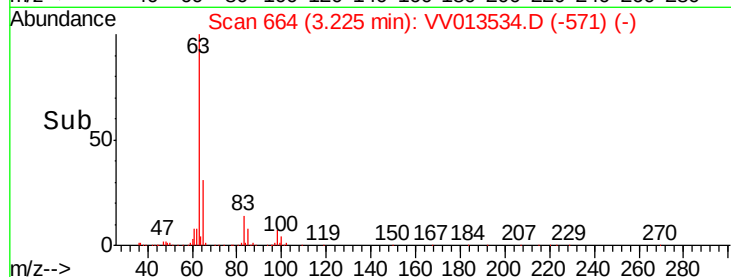
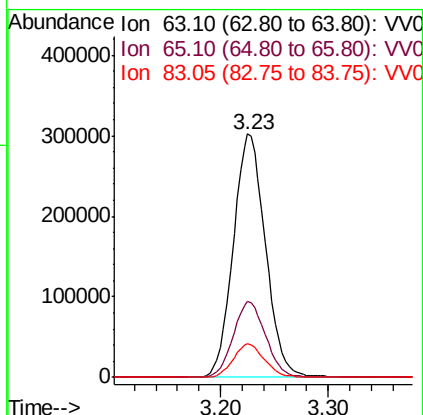
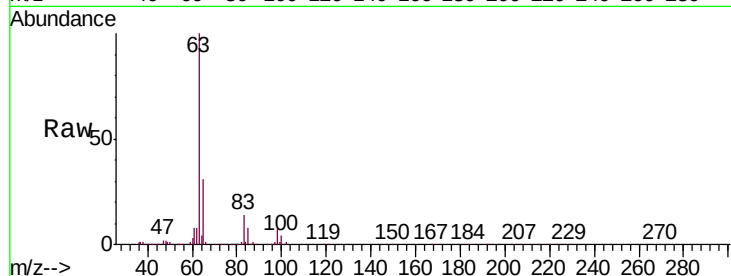




#19
 1,1-Dichloroethane
 Concen: 10.619 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

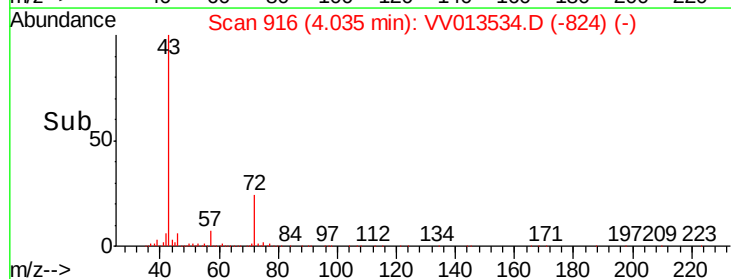
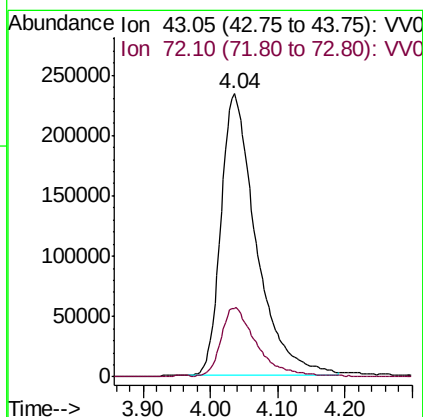
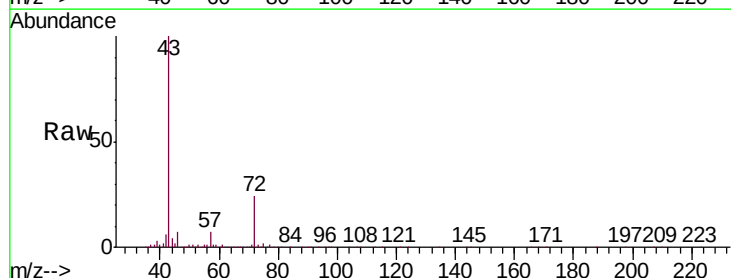
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

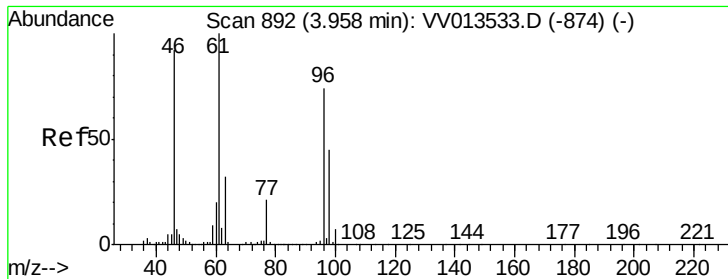
Tgt Ion: 63 Resp: 624373
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.9 42.5
 83 13.7 9.1 16.9



#21
 2-Butanone
 Concen: 116.712 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion: 43 Resp: 848243
 Ion Ratio Lower Upper
 43 100
 72 25.0 11.6 34.7



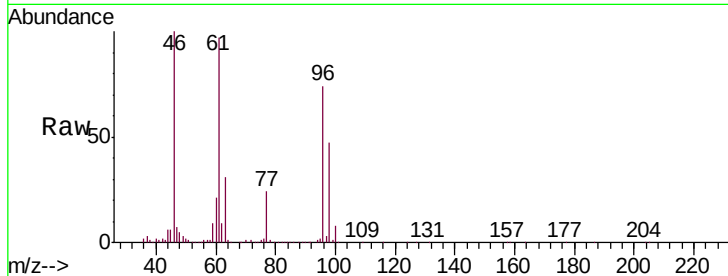


#22

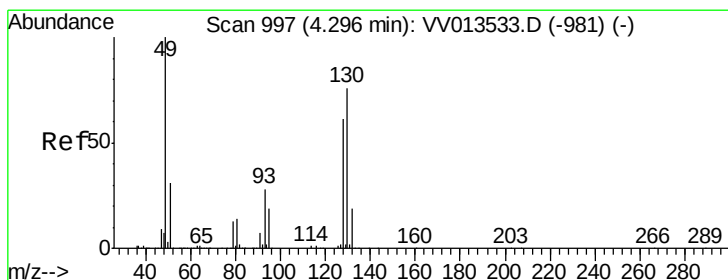
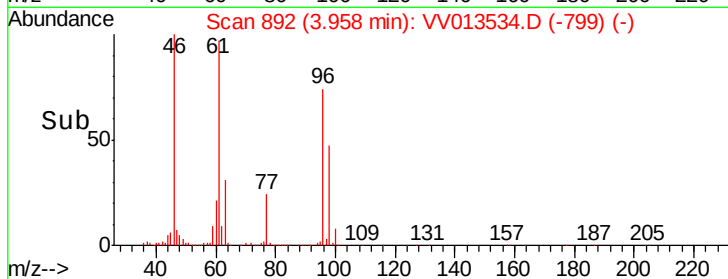
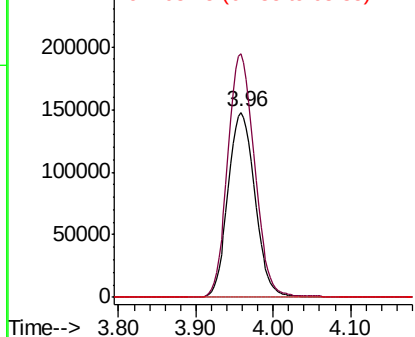
cis-1,2-Dichloroethene
Concen: 11.019 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Instrument :
MSVOA_V
ClientSampled :
VSTD01032

Tgt Ion: 96 Resp: 355964
Ion Ratio Lower Upper
96 100
61 131.7 94.6 175.8
68 0.2 0.1 0.3



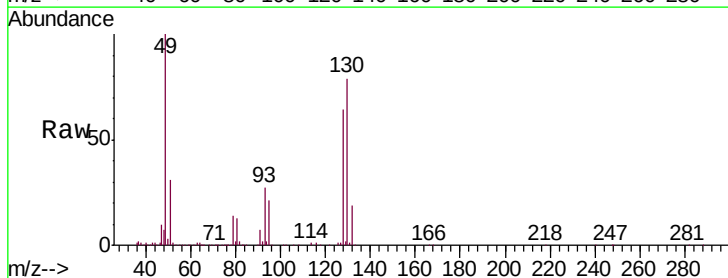
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



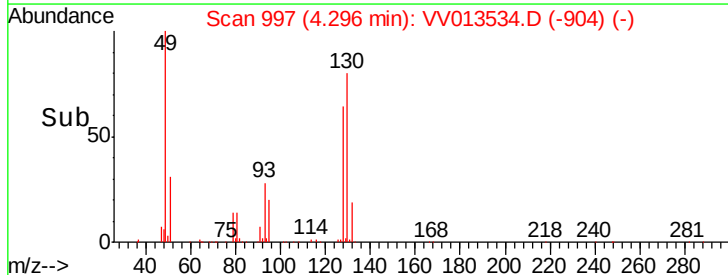
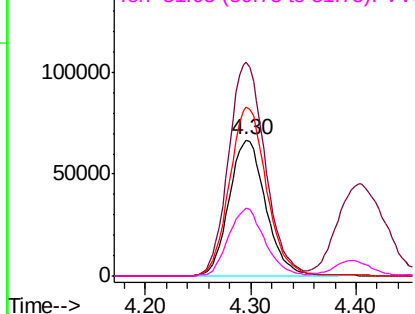
#23

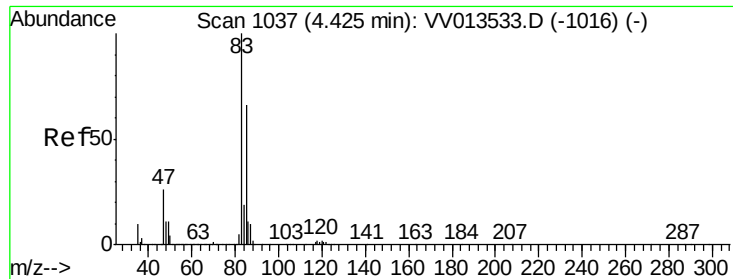
Bromochloromethane
Concen: 11.068 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion: 128 Resp: 161057
Ion Ratio Lower Upper
128 100
49 156.8 115.9 215.3
130 124.0 87.6 162.6
51 49.4 40.6 61.0



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

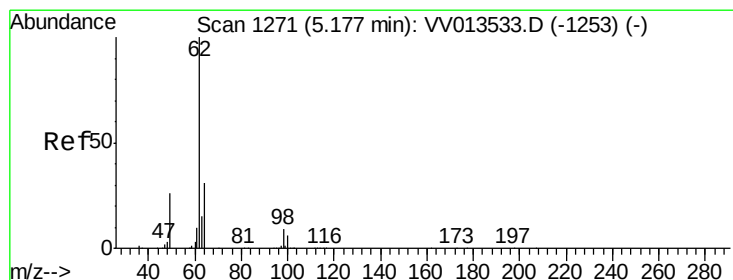
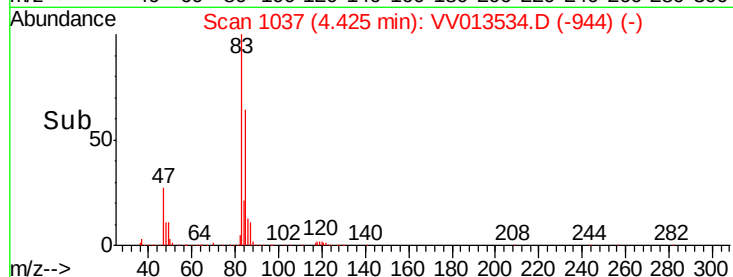
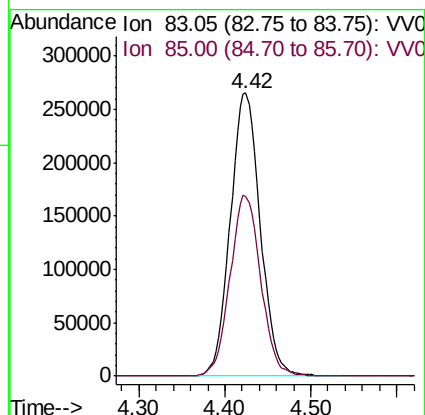
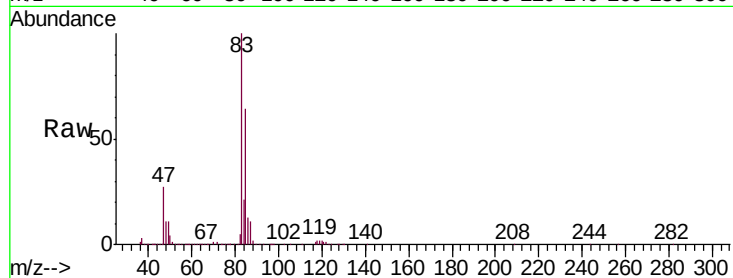




#25
Chloroform
Concen: 10.407 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

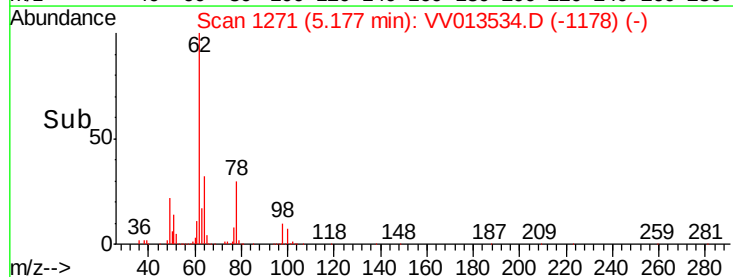
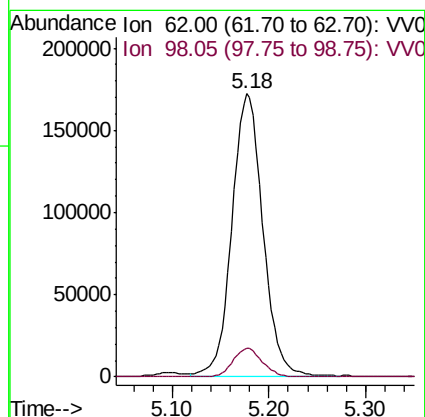
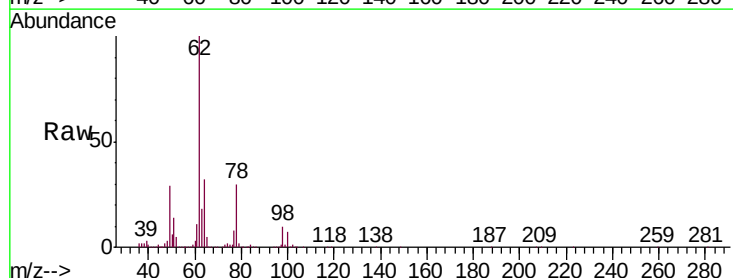
Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

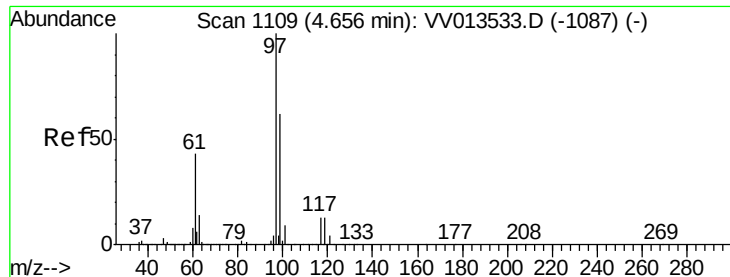
Tgt Ion: 83 Resp: 643608
Ion Ratio Lower Upper
83 100
85 63.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 11.037 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion: 62 Resp: 381823
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.0

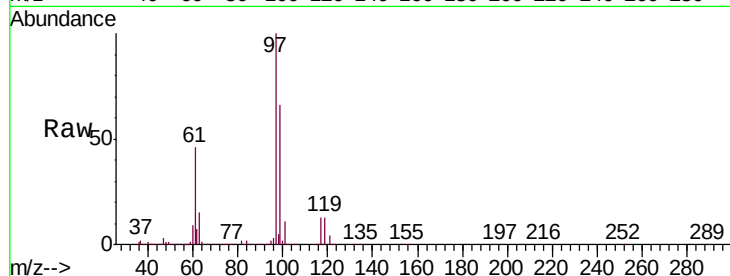




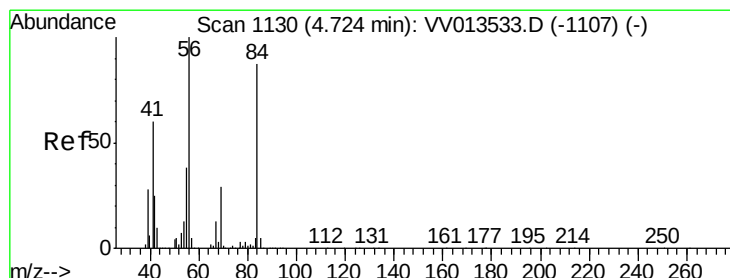
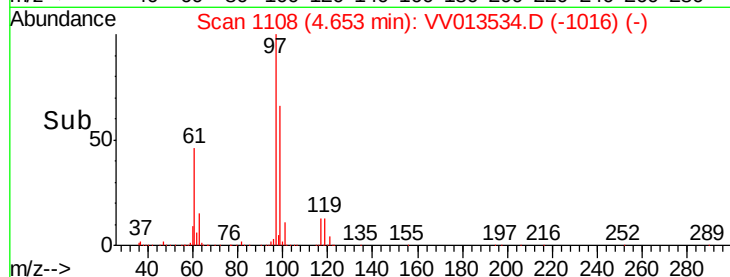
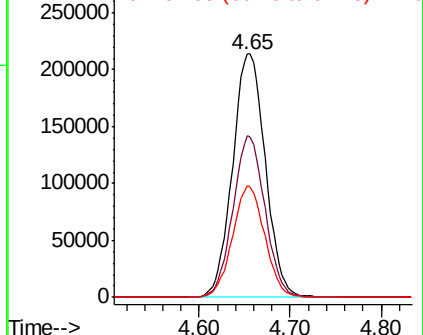
#29
 1,1,1-Trichloroethane
 Concen: 10.536 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion: 97 Resp: 534931
 Ion Ratio Lower Upper
 97 100
 99 64.8 50.4 75.6
 61 44.7 35.5 53.3

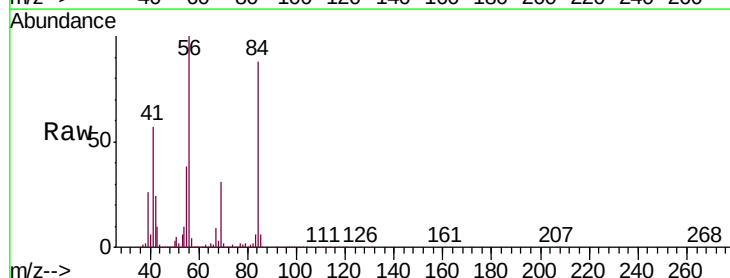


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

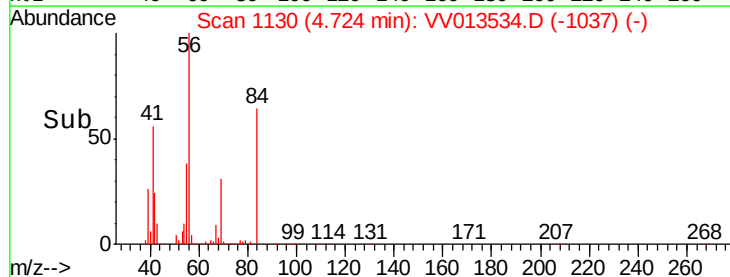
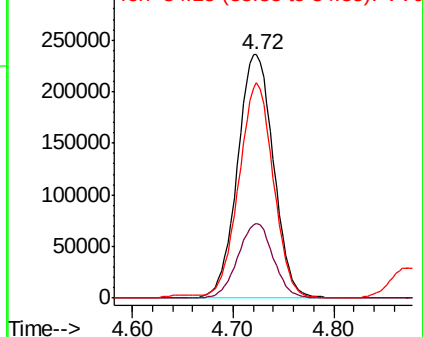


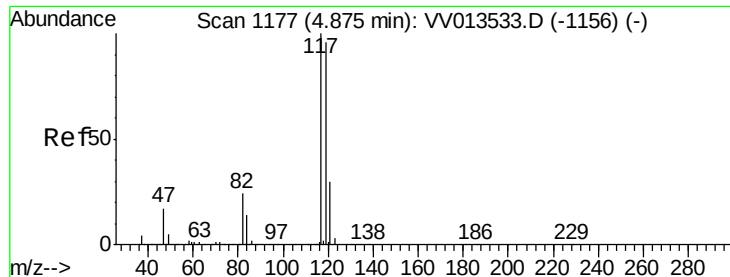
#30
 Cyclohexane
 Concen: 11.003 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion: 56 Resp: 580217
 Ion Ratio Lower Upper
 56 100
 69 30.1 22.9 34.3
 84 85.3 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: 10.695 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

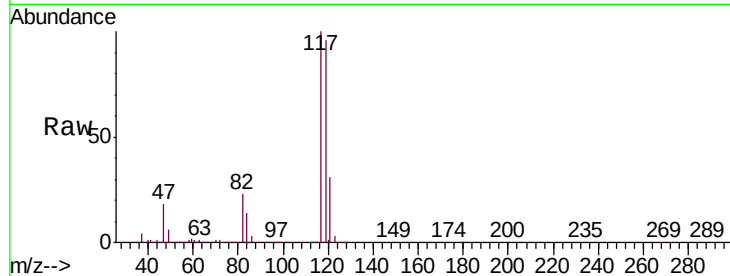
VSTD01032

Tgt Ion:117 Resp: 487103

Ion Ratio Lower Upper

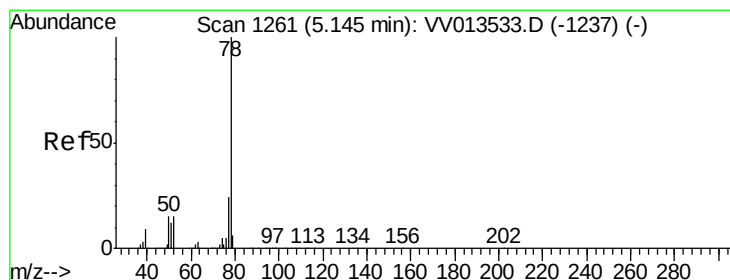
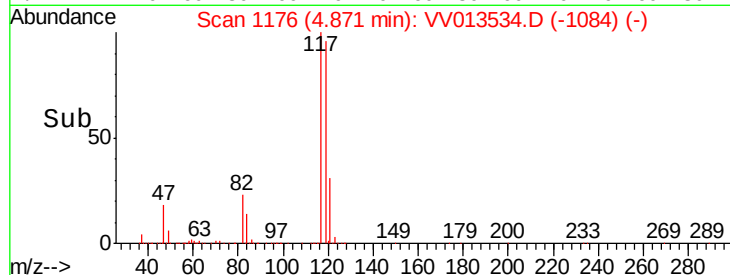
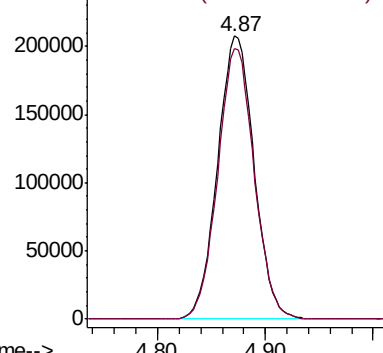
117 100

119 95.6 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: 10.830 ug/L

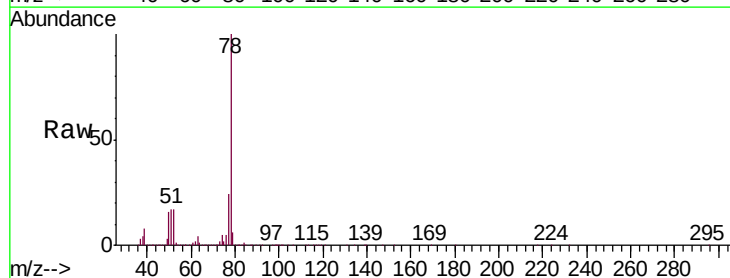
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

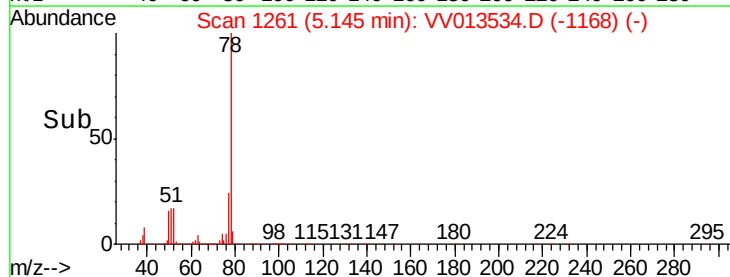
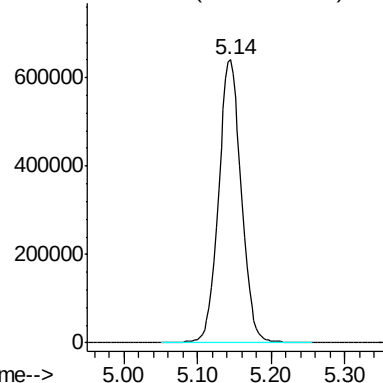
Lab File: VV013534.D

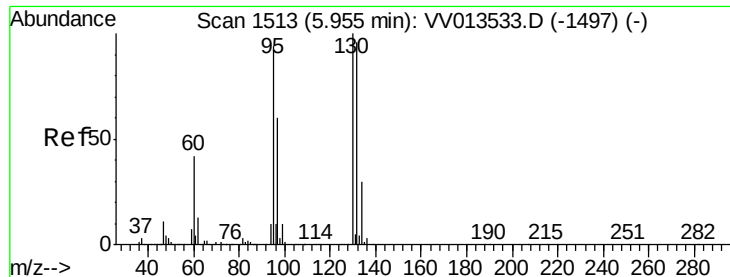
Acq: 08 Nov 2019 11:09

Tgt Ion: 78 Resp: 1377114



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.640 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

Tgt Ion: 95 Resp: 364018

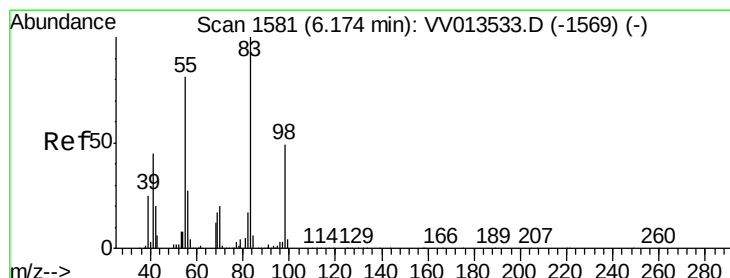
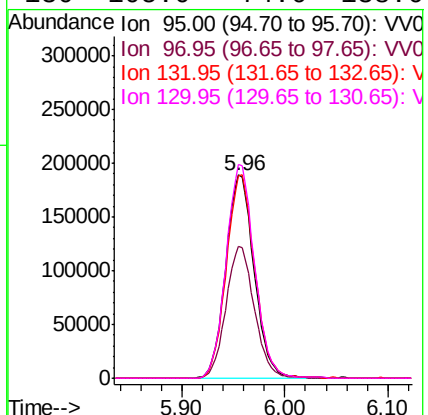
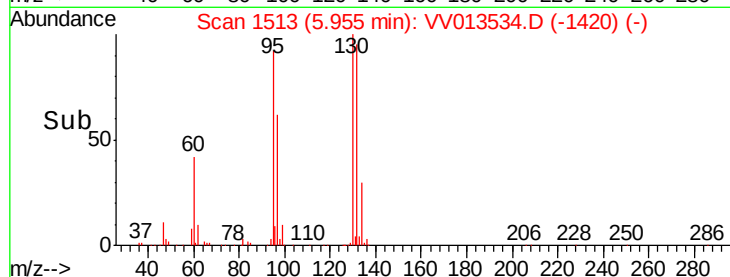
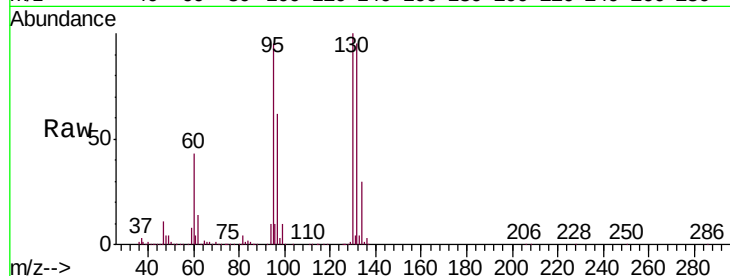
Ion Ratio Lower Upper

95 100

97 64.8 44.7 83.1

132 99.7 71.6 133.0

130 105.0 74.6 138.6



#35

Methylcyclohexane

Concen: 11.164 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

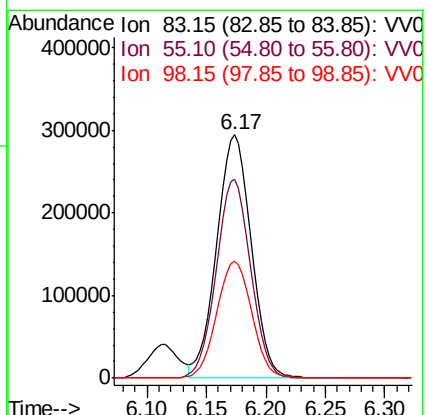
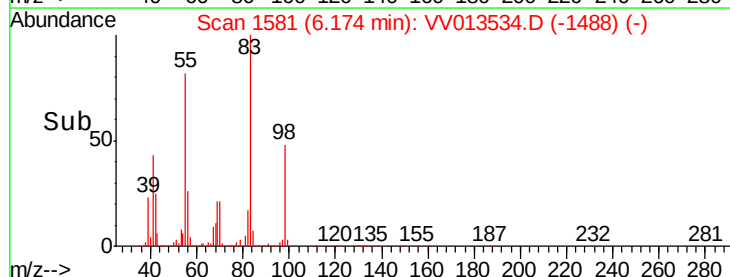
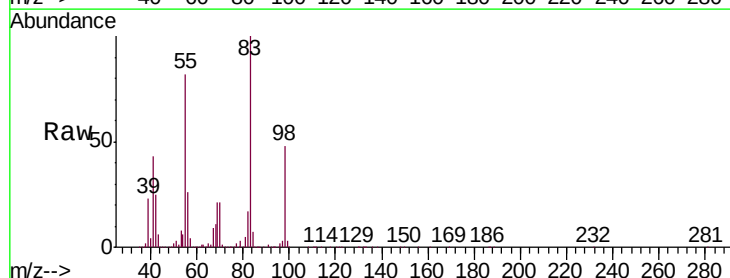
Tgt Ion: 83 Resp: 593417

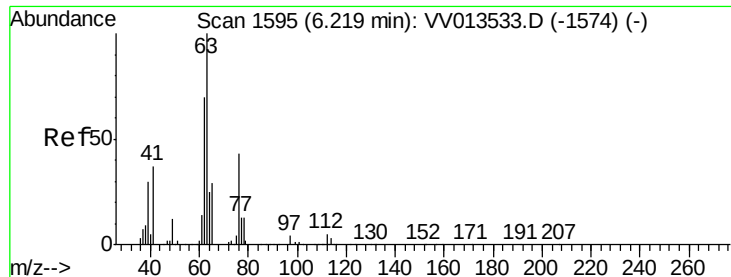
Ion Ratio Lower Upper

83 100

55 81.0 63.8 95.8

98 48.8 38.4 57.6





#37

1,2-Dichloropropane

Concen: 10.800 ug/L

RT: 6.22 min Scan# 1594

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

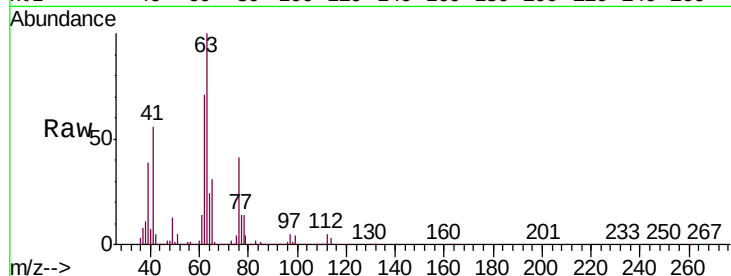
VSTD01032

Tgt Ion: 63 Resp: 345086

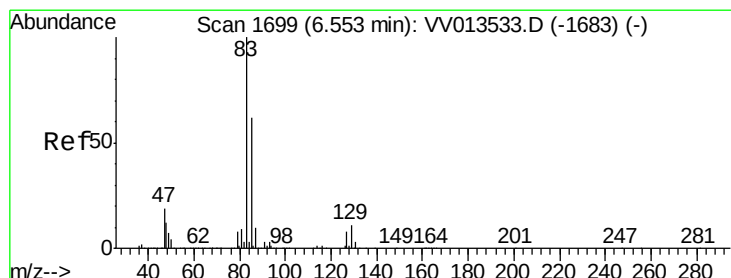
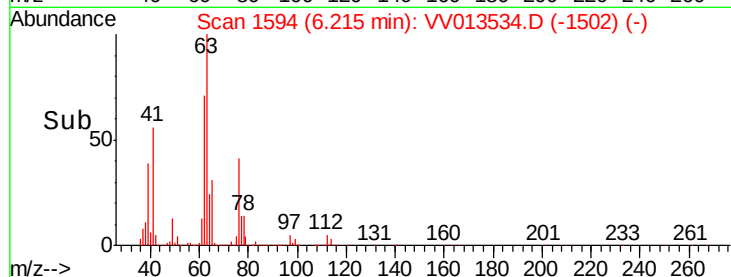
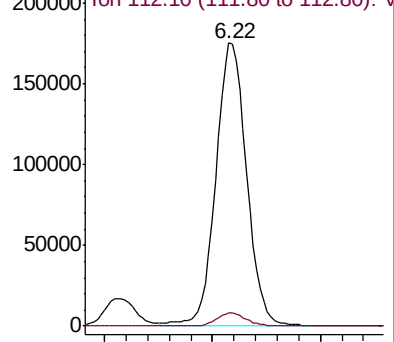
Ion Ratio Lower Upper

63 100

112 4.6 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV013533.D (-1574) (-)



#38

Bromodichloromethane

Concen: 10.530 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

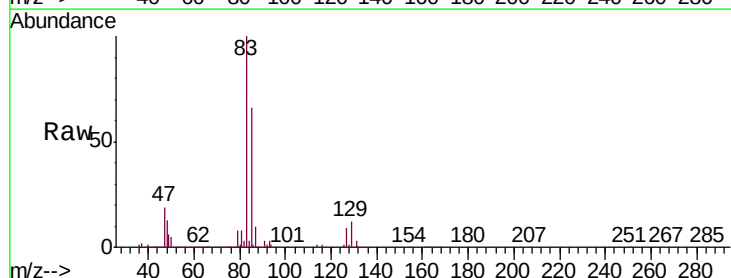
Tgt Ion: 83 Resp: 430318

Ion Ratio Lower Upper

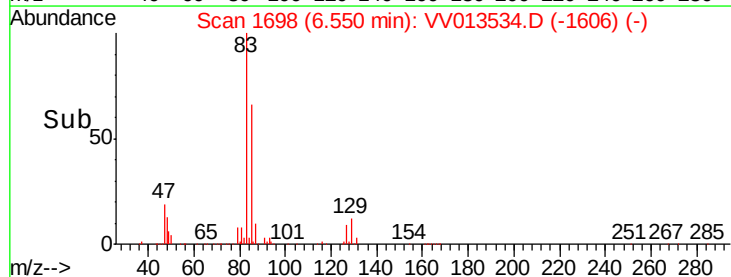
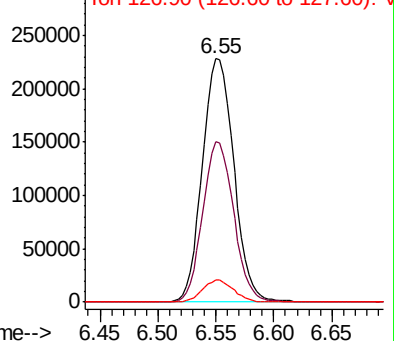
83 100

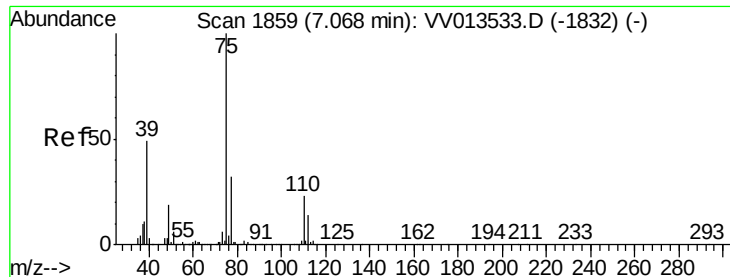
85 65.8 43.6 81.0

127 9.0 6.5 9.7



Abundance Ion 82.95 (82.65 to 83.65): VV013533.D (-1683) (-)

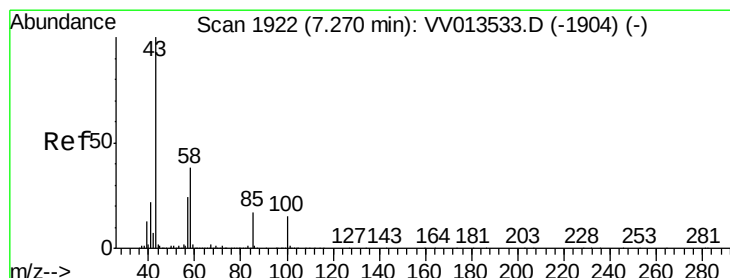
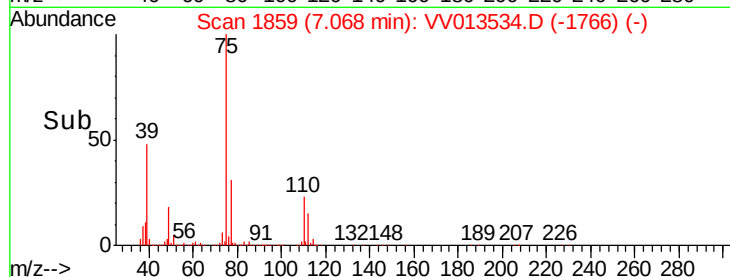
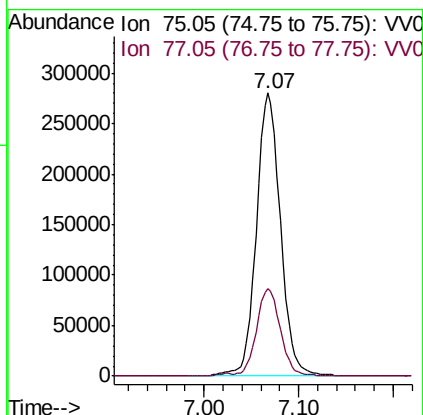
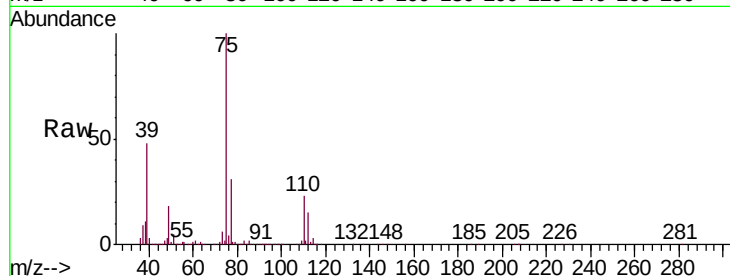




#39
 cis-1,3-Dichloropropene
 Concen: 11.497 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

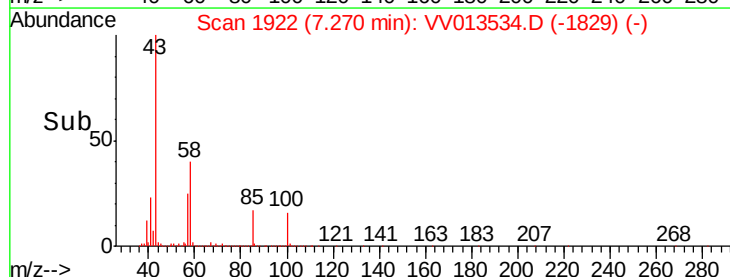
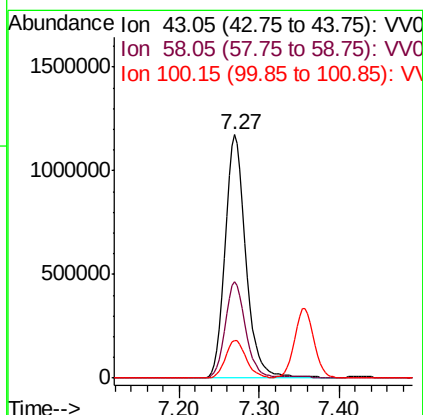
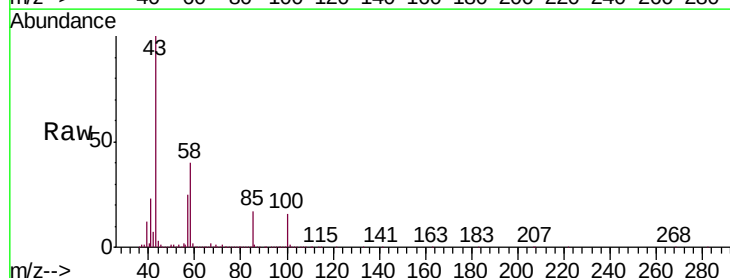
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

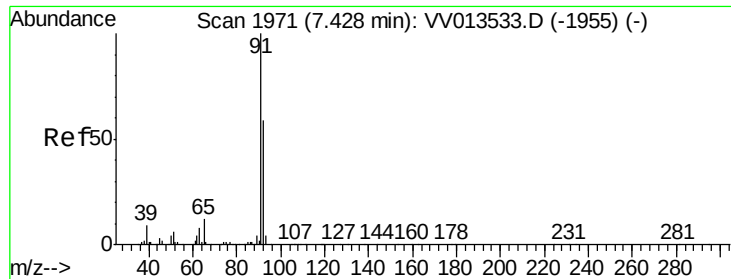
Tgt Ion: 75 Resp: 495632
 Ion Ratio Lower Upper
 75 100
 77 31.1 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 117.266 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion: 43 Resp: 2113626
 Ion Ratio Lower Upper
 43 100
 58 39.0 30.6 45.8
 100 15.4 12.0 18.0





#42

Toluene

Concen: 11.435 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

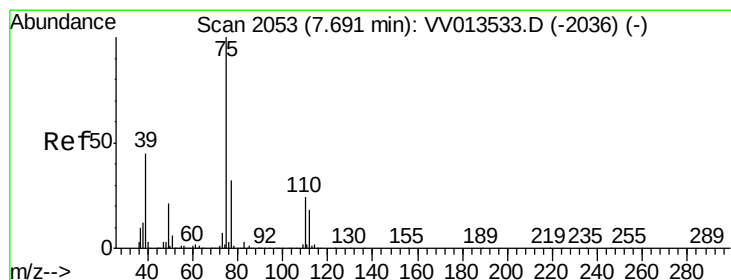
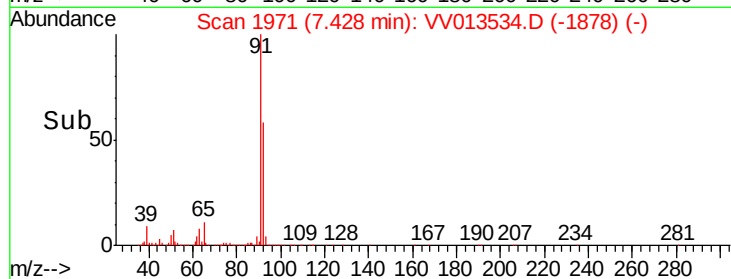
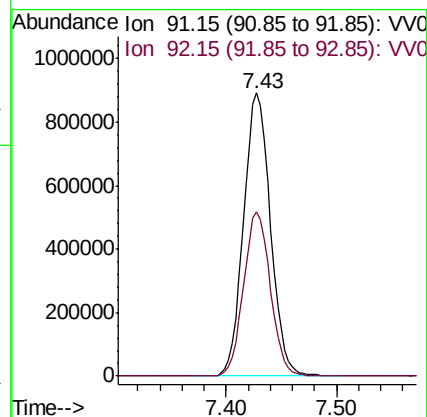
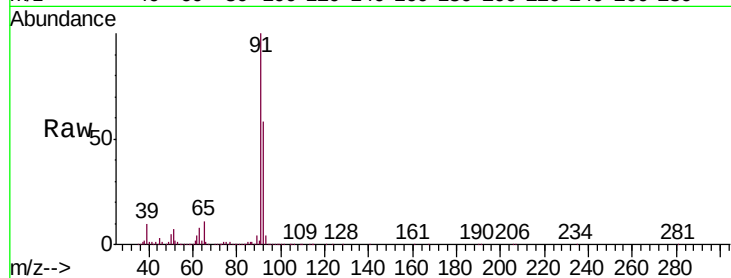
VSTD01032

Tgt Ion: 91 Resp: 1504536

Ion Ratio Lower Upper

91 100

92 58.2 41.4 77.0



#44

trans-1,3-Dichloropropene

Concen: 11.151 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV013534.D

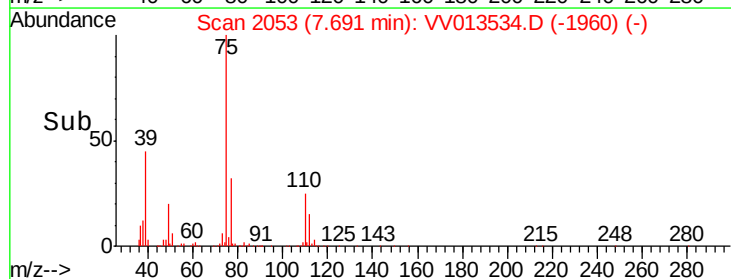
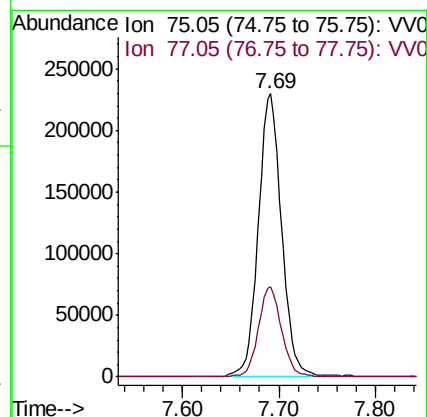
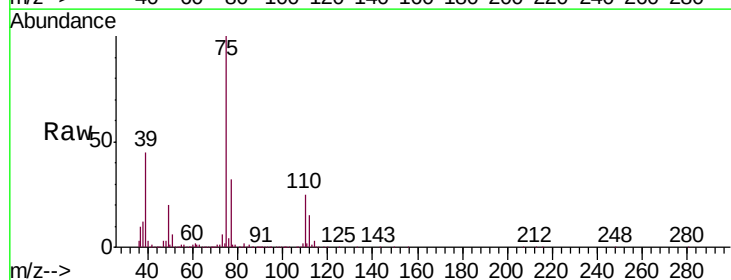
Acq: 08 Nov 2019 11:09

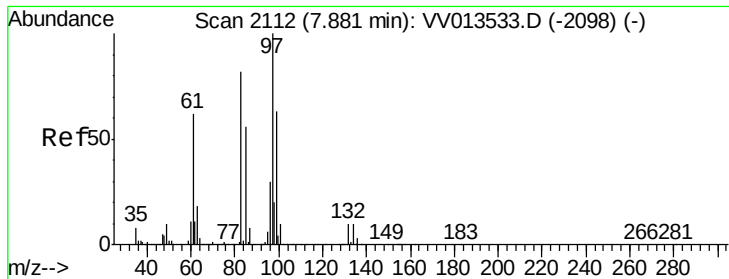
Tgt Ion: 75 Resp: 384159

Ion Ratio Lower Upper

75 100

77 31.9 22.2 41.2

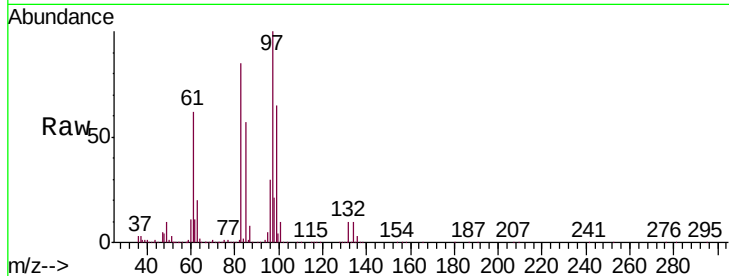




#45
 1,1,2-Trichloroethane
 Concen: 10.504 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion:	97	Resp:	231080
Ion	Ratio	Lower	Upper
97	100		
99	64.8	44.4	82.5
83	84.6	57.5	106.7
85	57.0	39.5	73.4



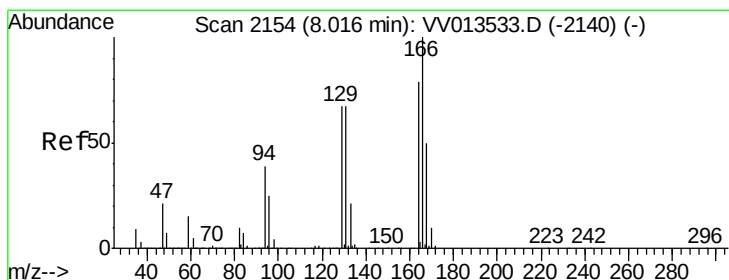
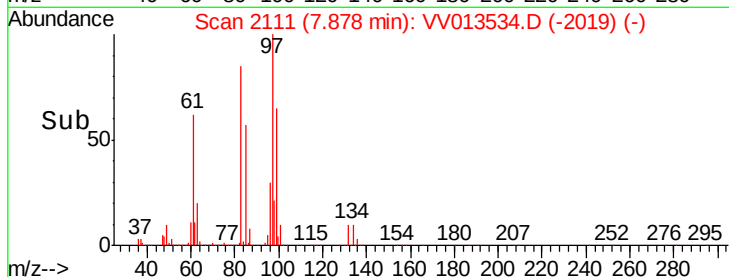
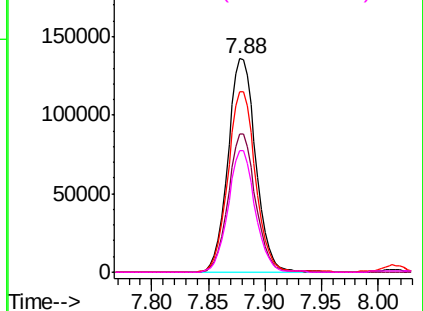
Abundance

Ion 96.95 (96.65 to 97.65): VV013534.D (-2098) (-)

Ion 99.05 (98.75 to 99.75): VV013534.D (-2098) (-)

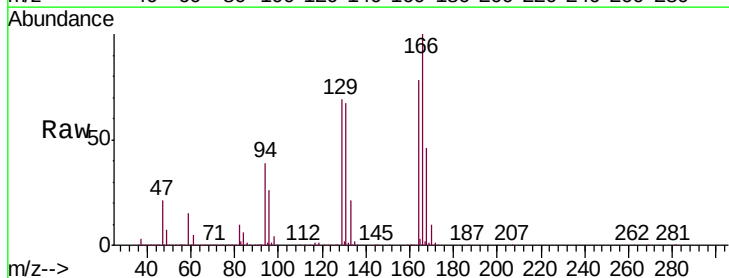
Ion 82.95 (82.65 to 83.65): VV013534.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV013534.D (-2098) (-)



#47
 Tetrachloroethene
 Concen: 10.504 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion:	164	Resp:	319484
Ion	Ratio	Lower	Upper
164	100		
129	88.0	59.6	110.8
131	86.1	59.1	109.9
166	127.9	88.6	164.6



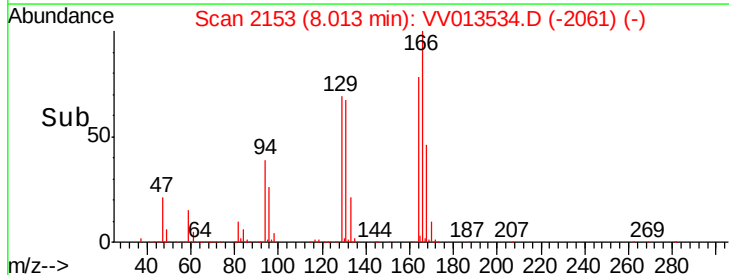
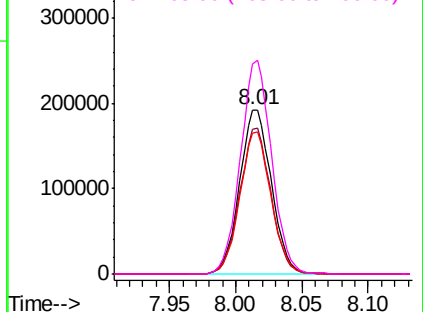
Abundance

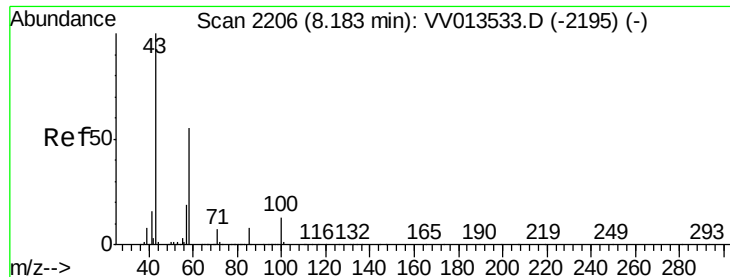
Ion 163.90 (163.60 to 164.60): VV013534.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV013534.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV013534.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV013534.D (-2140) (-)

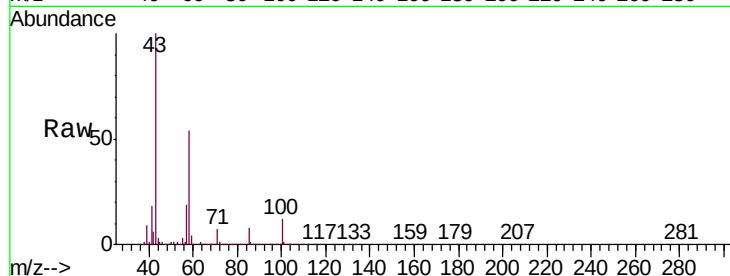




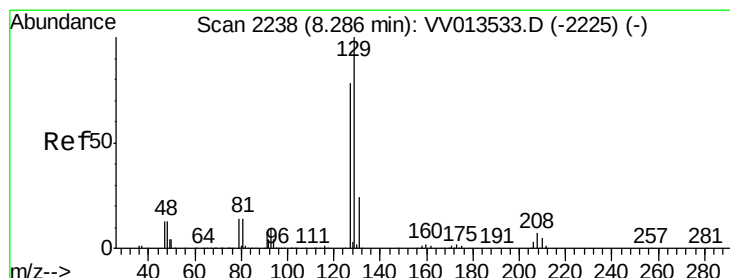
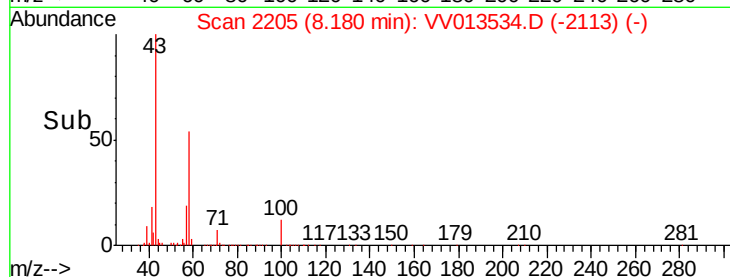
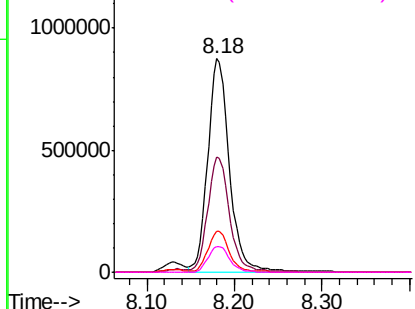
#48
2-Hexanone
Concen: 119.028 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tgt Ion: 43 Resp: 1499795
Ion Ratio Lower Upper
43 100
58 54.4 43.8 65.8
57 19.1 15.0 22.6
100 12.2 9.8 14.6

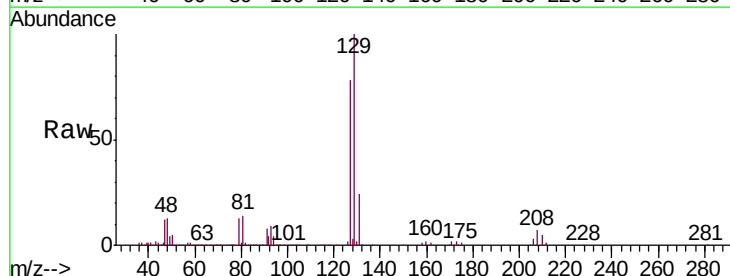


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

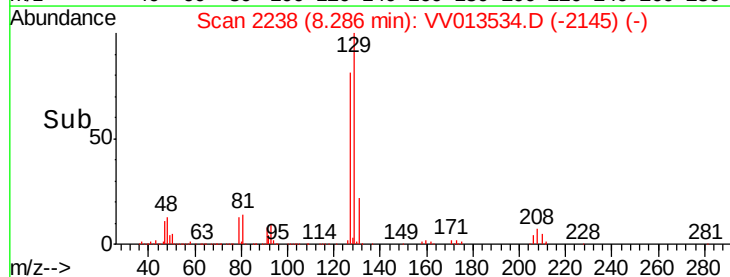
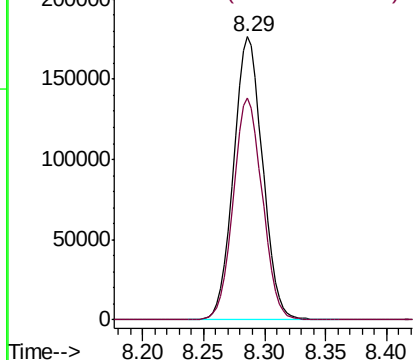


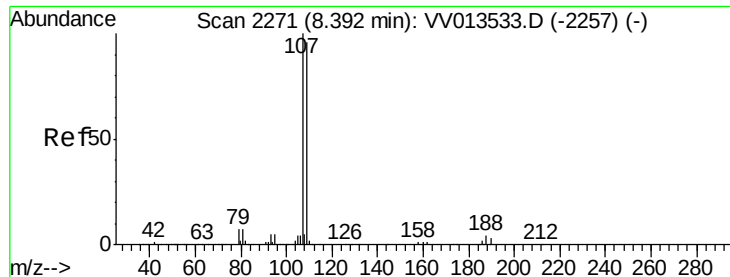
#49
Dibromochloromethane
Concen: 10.754 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion: 129 Resp: 292148
Ion Ratio Lower Upper
129 100
127 78.3 54.7 101.7



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

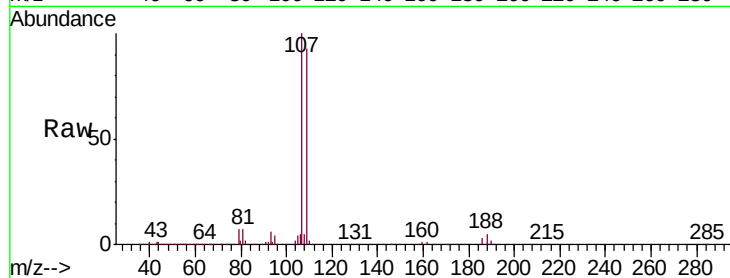




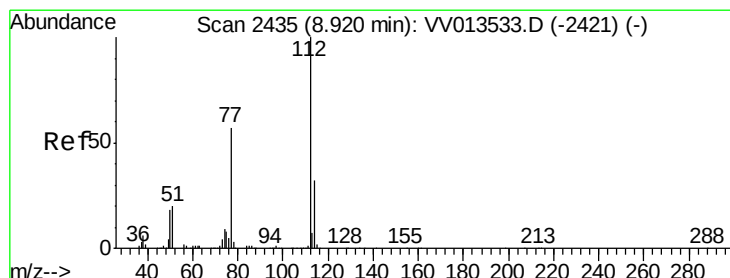
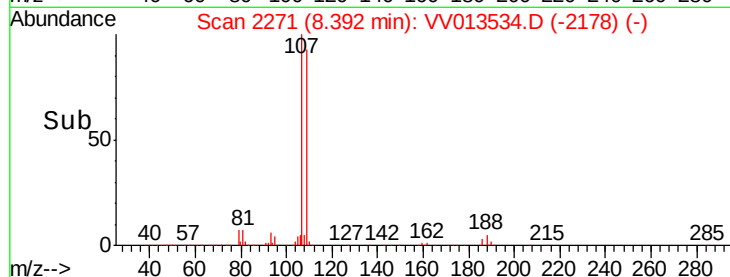
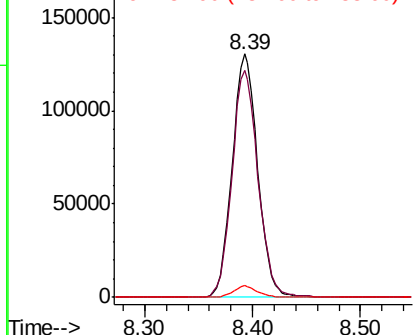
#50
1,2-Dibromoethane
Concen: 10.470 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Instrument :
MSVOA_V
ClientSampleId :
VSTD01032

Tgt Ion:107 Resp: 215248
Ion Ratio Lower Upper
107 100
109 93.4 66.9 124.3
188 4.7 3.4 5.0

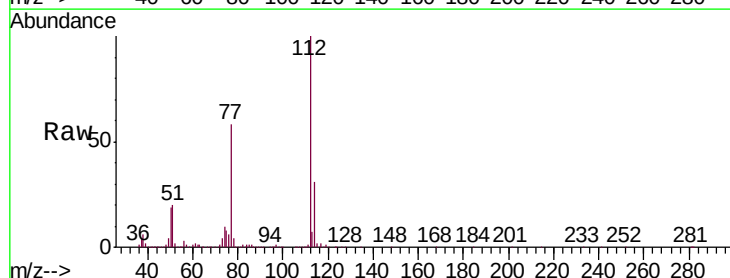


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

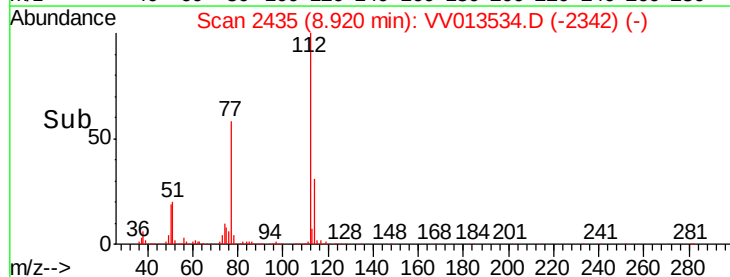
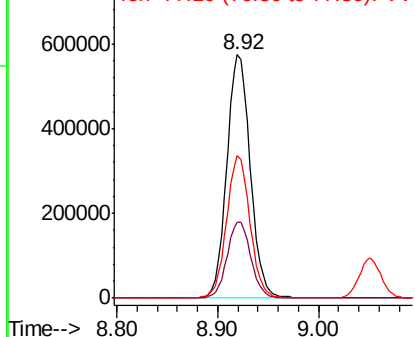


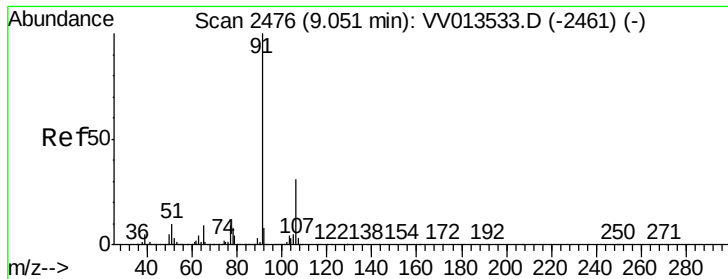
#51
Chlorobenzene
Concen: 10.788 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013534.D
Acq: 08 Nov 2019 11:09

Tgt Ion:112 Resp: 935935
Ion Ratio Lower Upper
112 100
114 31.4 22.6 42.0
77 58.4 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): V





#52

Ethylbenzene

Concen: 11.475 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

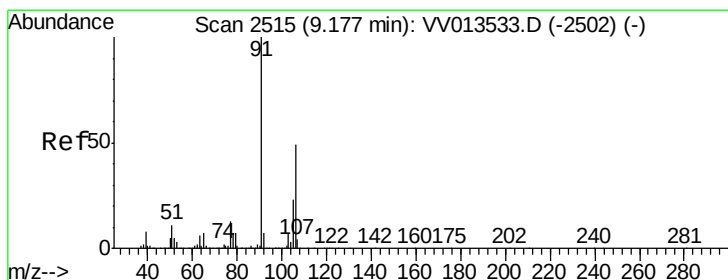
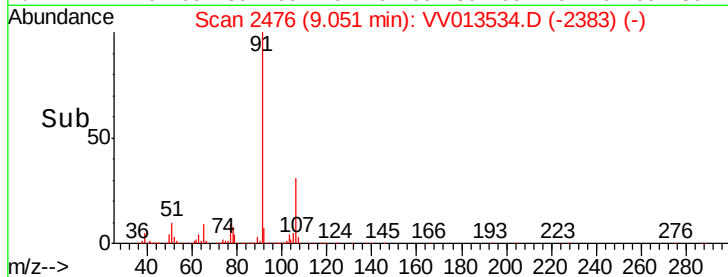
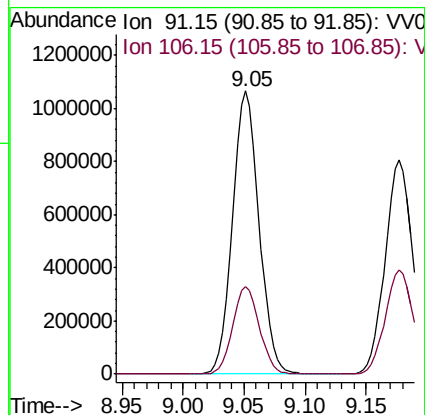
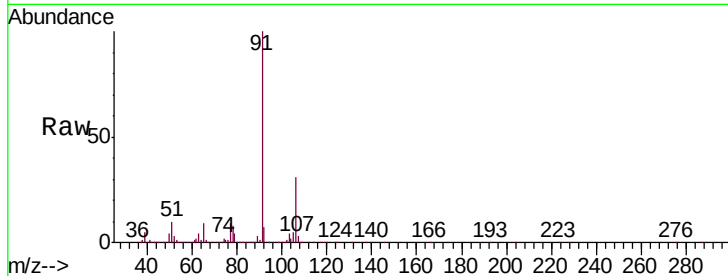
VSTD01032

Tgt Ion: 91 Resp: 1617790

Ion Ratio Lower Upper

91 100

106 31.0 21.6 40.0



#53

m,p-xylene

Concen: 11.895 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013534.D

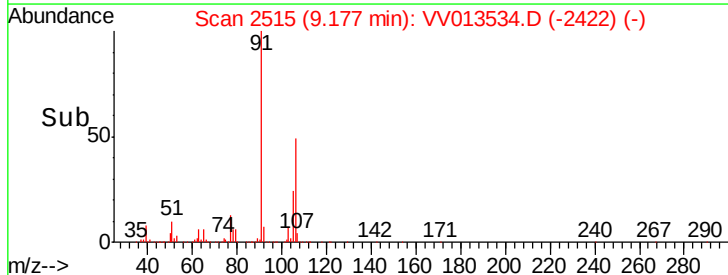
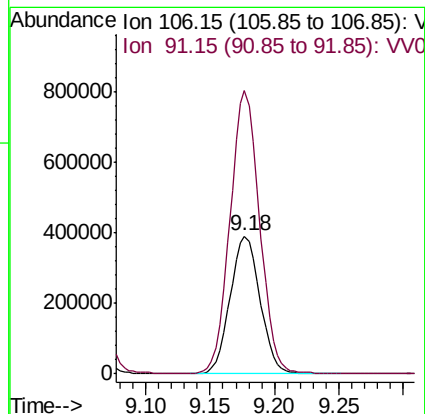
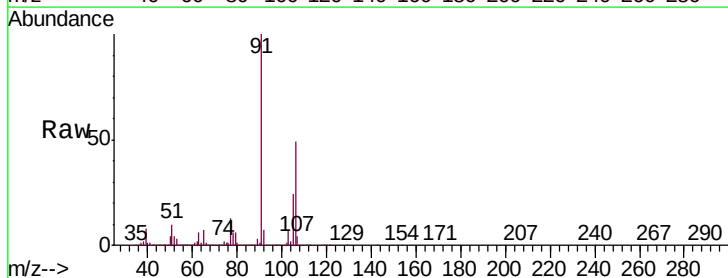
Acq: 08 Nov 2019 11:09

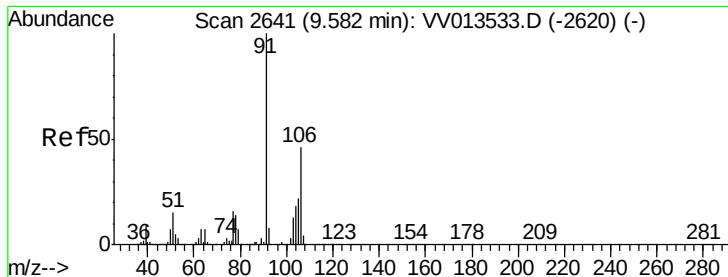
Tgt Ion: 106 Resp: 628390

Ion Ratio Lower Upper

106 100

91 205.0 142.0 263.6





#54

o-xylene

Concen: 11.919 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

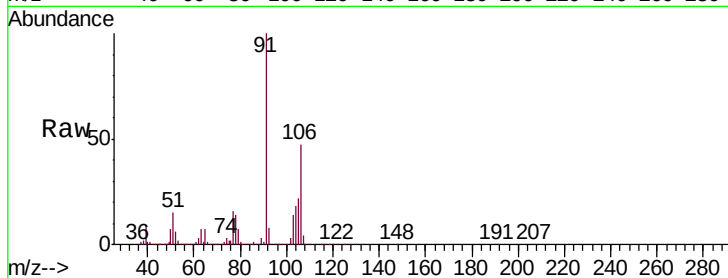
VSTD01032

Tgt Ion:106 Resp: 595579

Ion Ratio Lower Upper

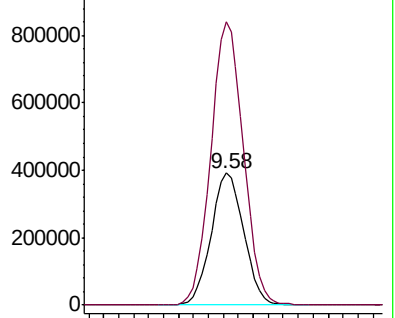
106 100

91 214.2 150.8 280.0

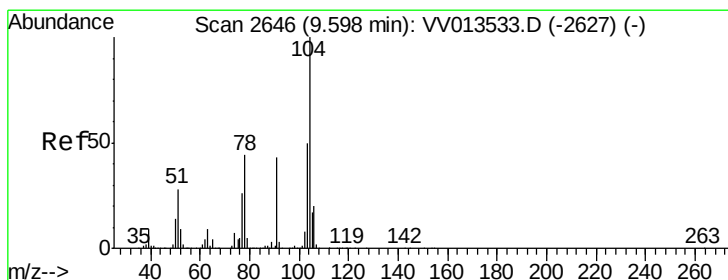
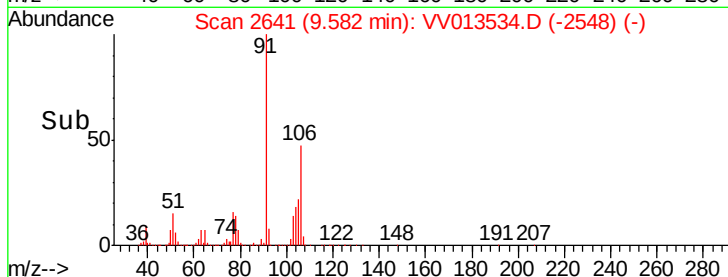


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 12.189 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013534.D

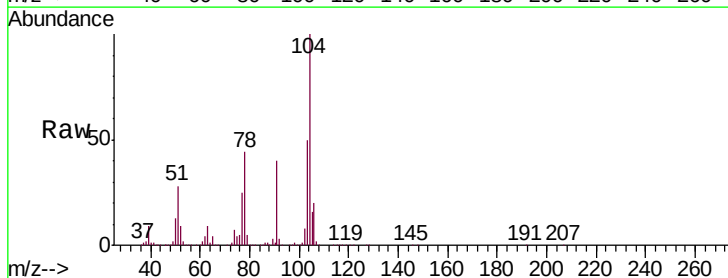
Acq: 08 Nov 2019 11:09

Tgt Ion:104 Resp: 1032946

Ion Ratio Lower Upper

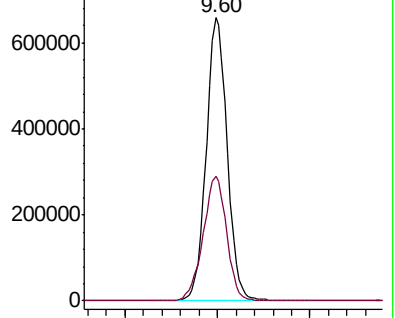
104 100

78 44.1 30.8 57.2

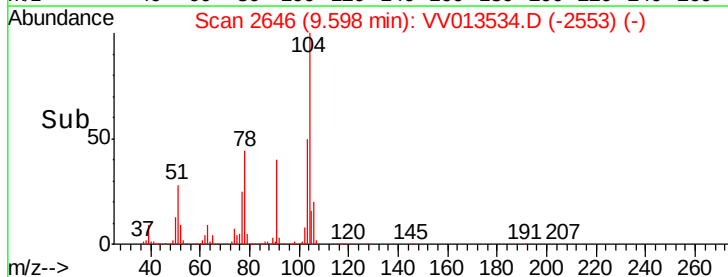


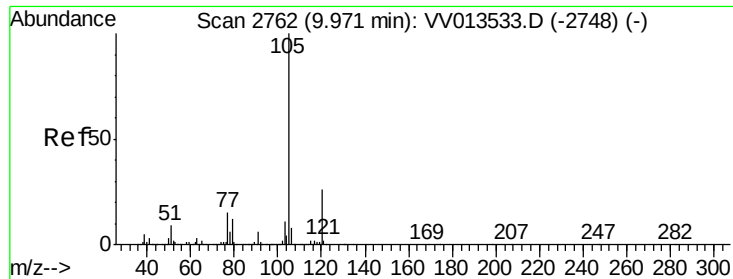
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 11.899 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

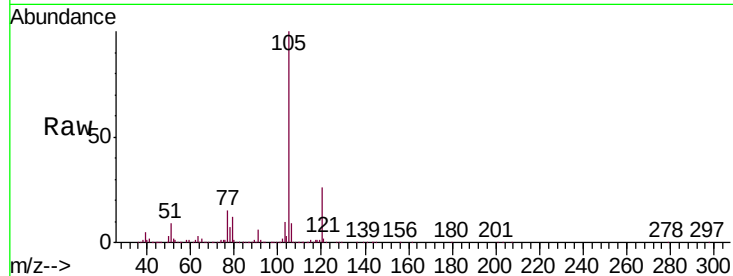
Tgt Ion:105 Resp: 1623811

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

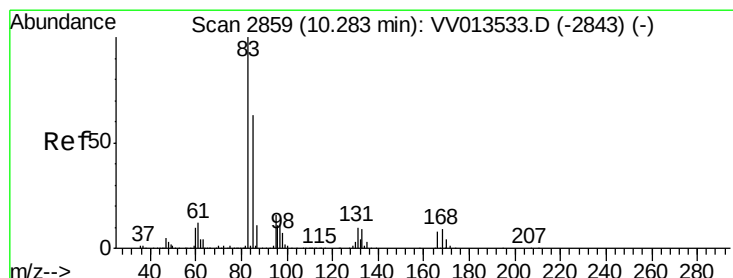
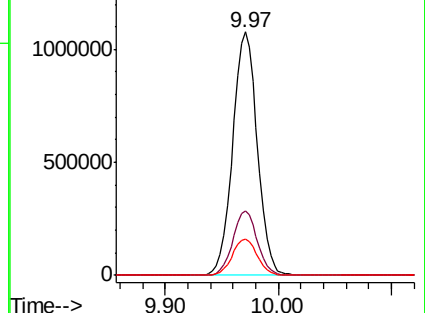
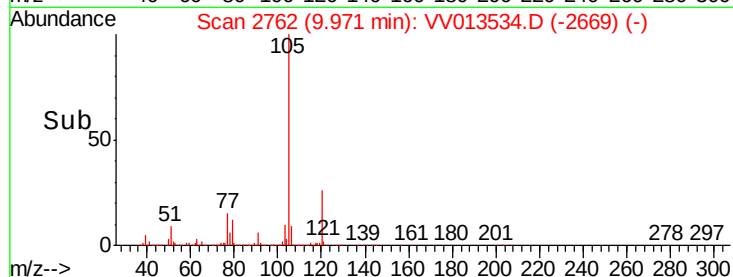
77 15.3 12.3 18.5



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: 11.127 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

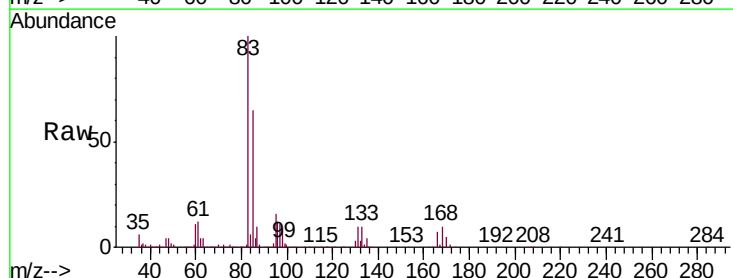
Tgt Ion: 83 Resp: 258977

Ion Ratio Lower Upper

83 100

85 65.0 44.1 81.9

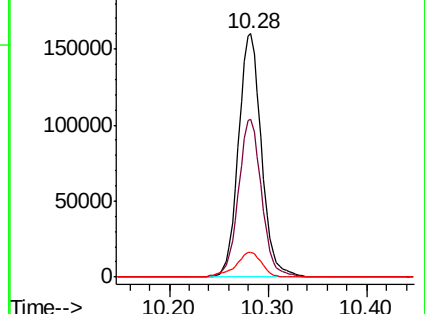
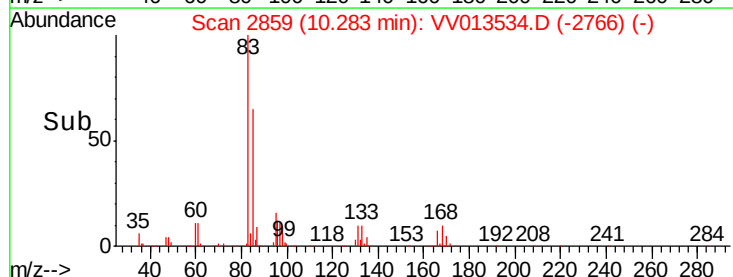
131 10.4 8.5 12.7

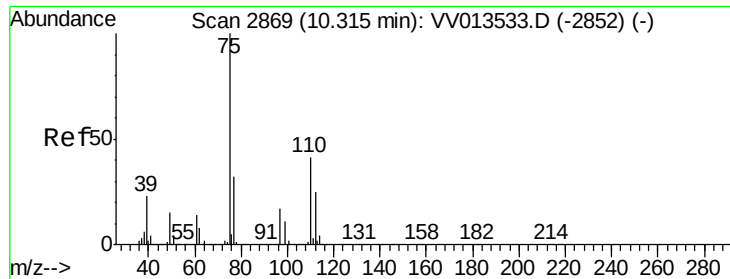


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.888 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

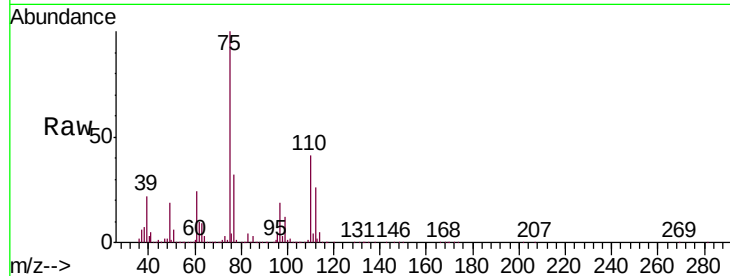
VSTD01032

Tgt Ion: 75 Resp: 202748

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV013533.D (-2852) (-)

Ion 77.00 (76.70 to 77.70): VV013533.D (-2852) (-)

10.31

150000

100000

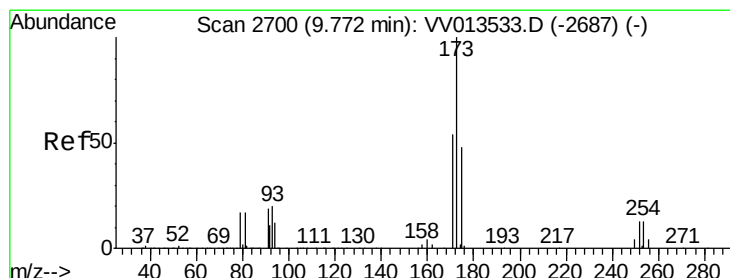
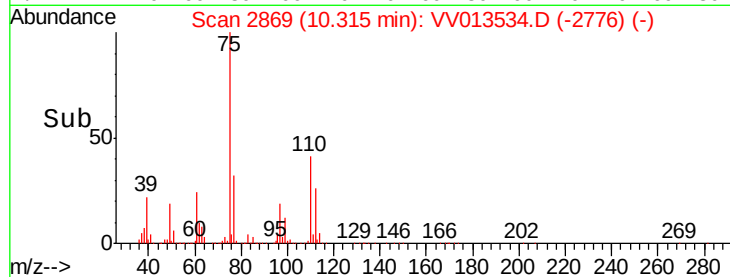
50000

0

Time-->

10.30

10.40



#61

Bromoform

Concen: 10.580 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

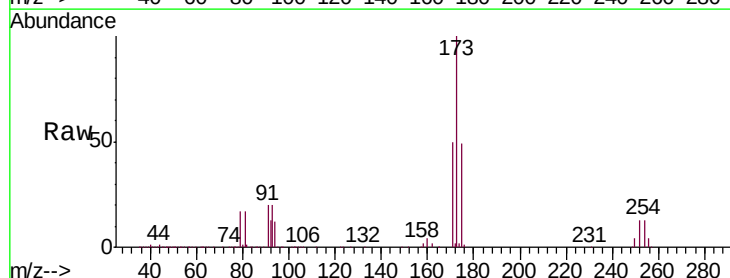
Tgt Ion: 173 Resp: 172095

Ion Ratio Lower Upper

173 100

175 48.4 38.8 58.2

254 13.0 11.2 16.8



Abundance Ion 172.90 (172.60 to 173.60): VV013533.D (-2687) (-)

Ion 174.90 (174.60 to 175.60): VV013533.D (-2687) (-)

Ion 253.75 (253.45 to 254.45): VV013533.D (-2687) (-)

9.77

150000

100000

50000

0

Time-->

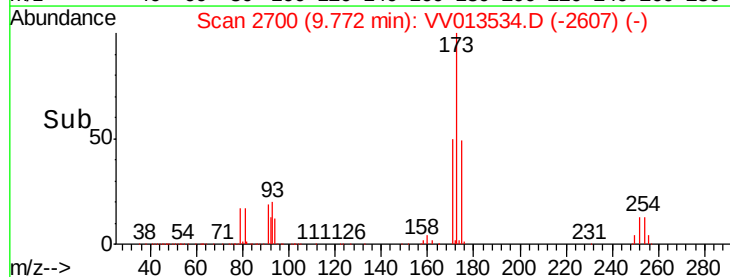
9.70

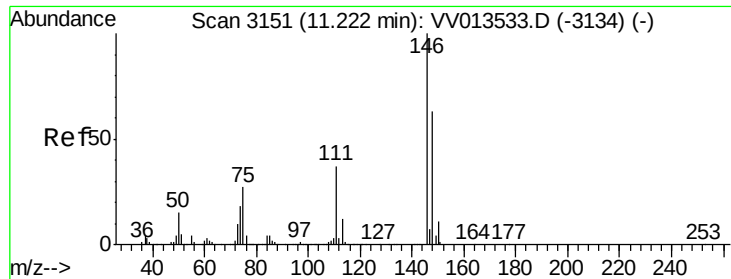
9.75

9.80

9.85

9.90





#62

1,3-Dichlorobenzene

Concen: 10.794 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

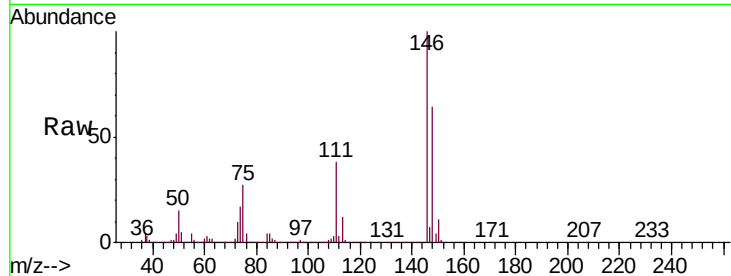
Tgt Ion:146 Resp: 797800

Ion Ratio Lower Upper

146 100

111 38.0 26.2 48.6

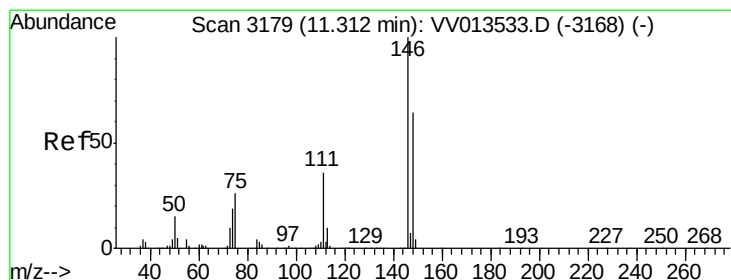
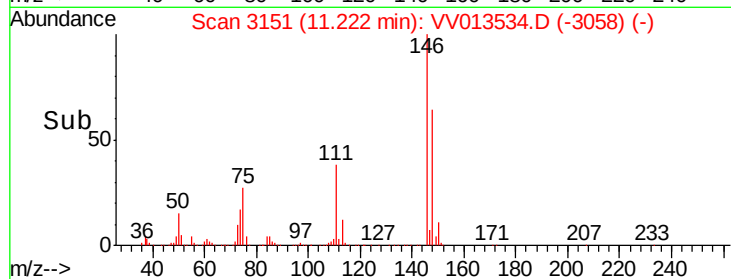
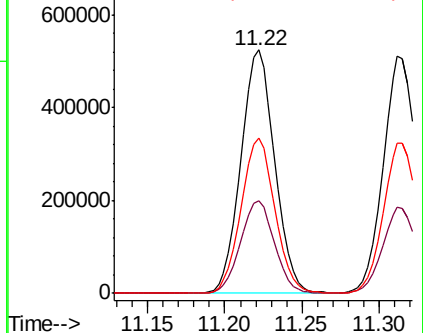
148 63.5 44.2 82.0



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: 10.748 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

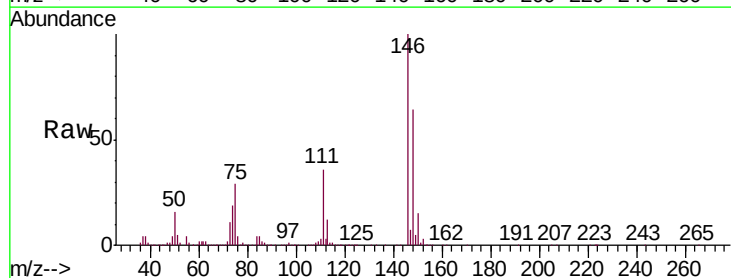
Tgt Ion:146 Resp: 785047

Ion Ratio Lower Upper

146 100

111 36.3 25.2 46.8

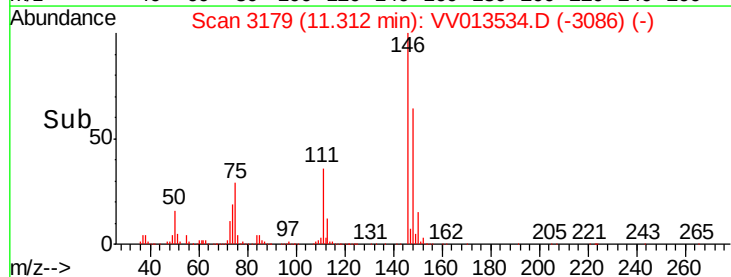
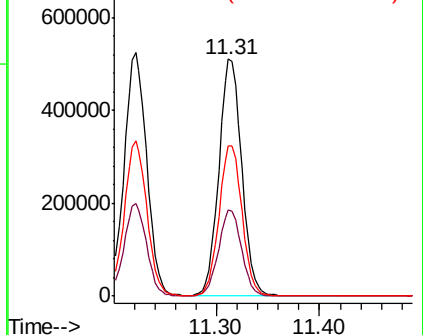
148 63.6 44.7 82.9

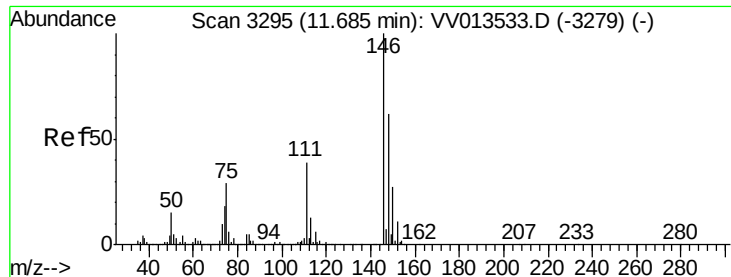


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

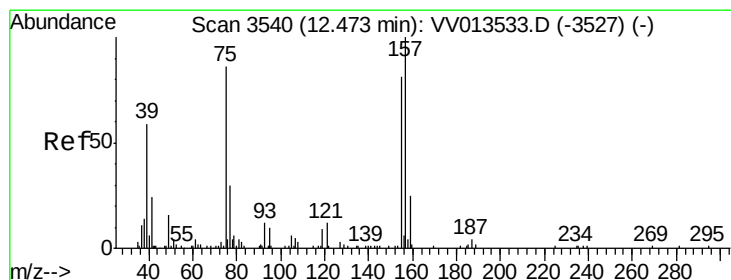
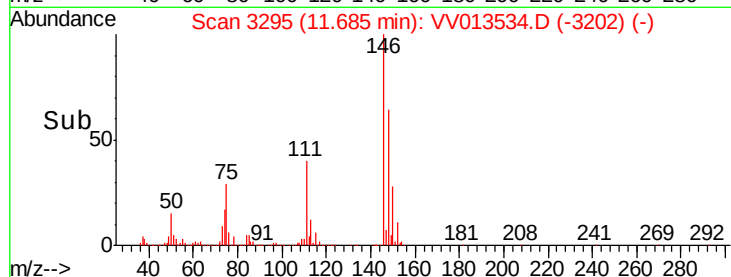
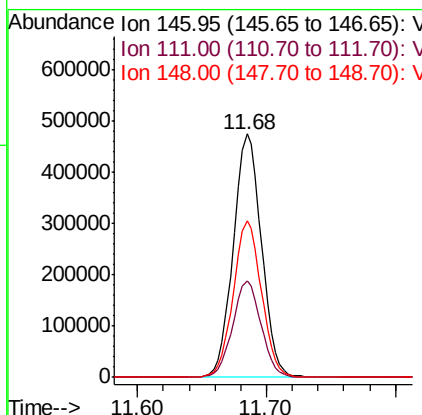
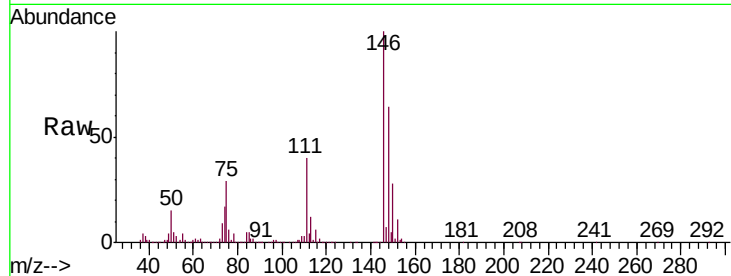




#65
 1,2-Dichlorobenzene
 Concen: 10.784 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

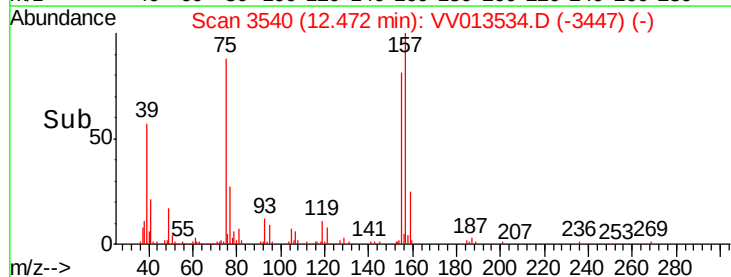
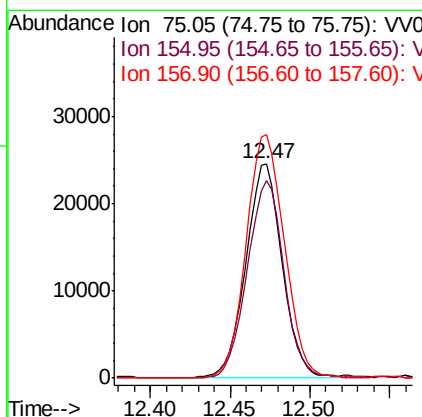
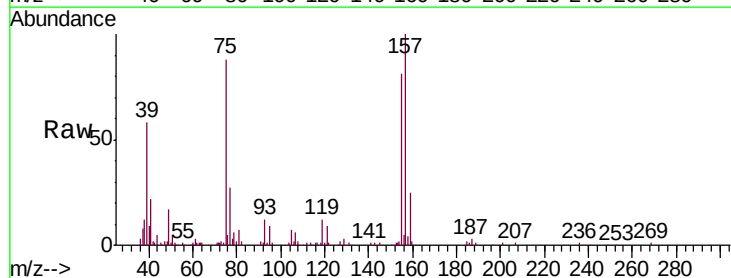
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

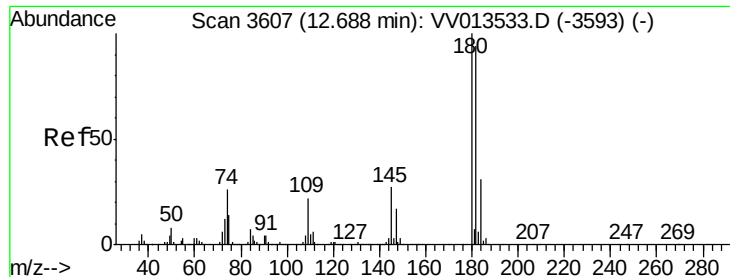
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	31.2	46.8
148	64.2	49.4	74.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 10.708 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	75.0	112.6
157	113.6	92.2	138.4

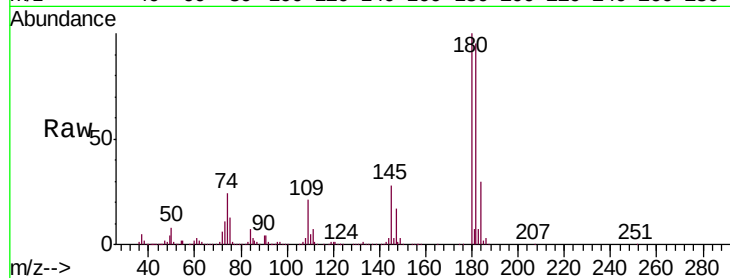




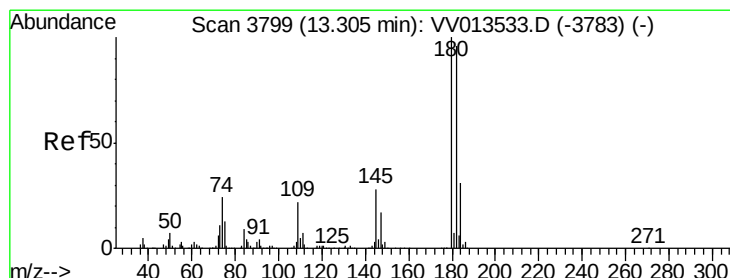
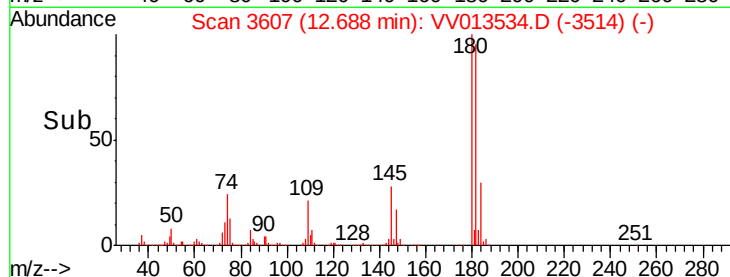
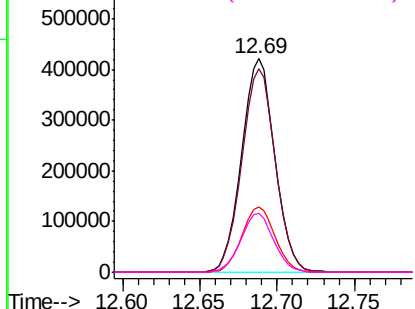
#67
 1,3,5-Trichlorobenzene
 Concen: 11.125 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01032

Tgt Ion:	180	Resp:	629753
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
184	30.6	25.0	37.6
145	27.5	22.1	33.1

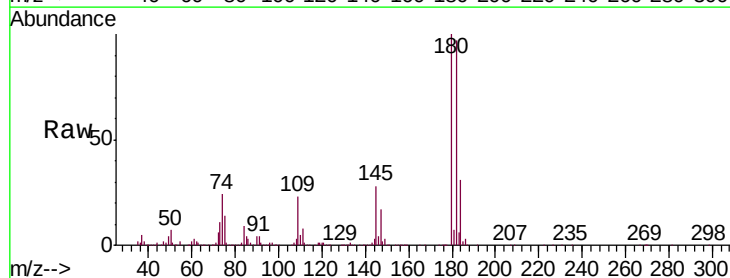


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

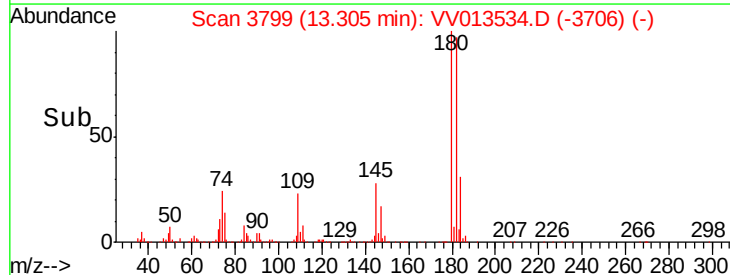
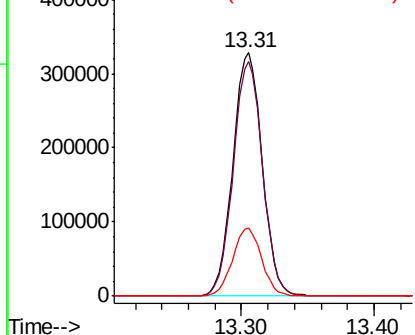


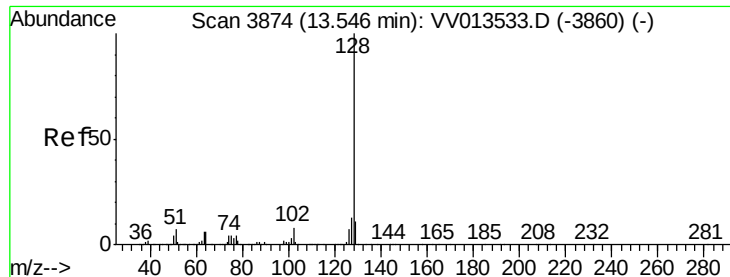
#68
 1,2,4-trichlorobenzene
 Concen: 11.760 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013534.D
 Acq: 08 Nov 2019 11:09

Tgt Ion:	180	Resp:	504307
Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.6	115.0
145	27.7	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: 12.596 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD01032

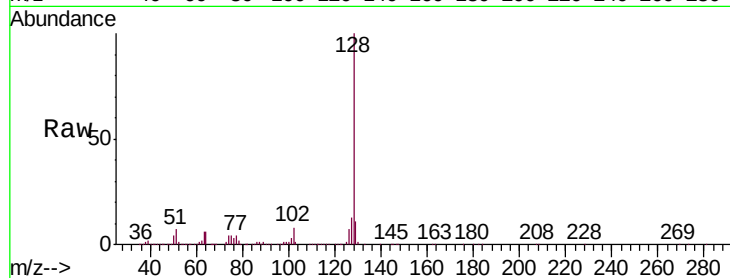
Tgt Ion:128 Resp: 729555

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

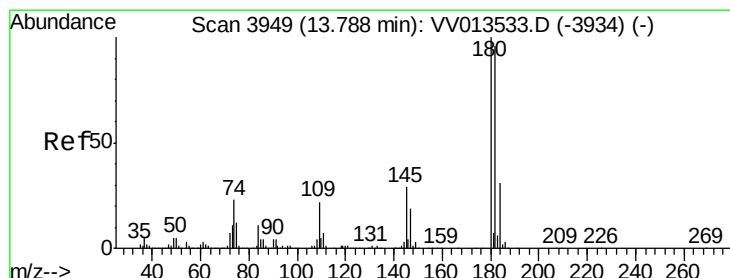
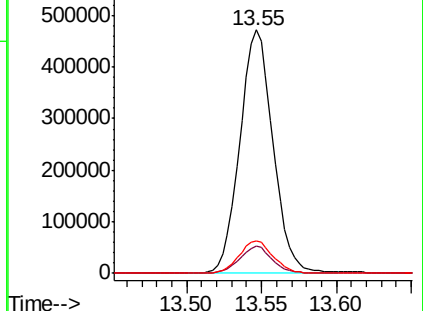
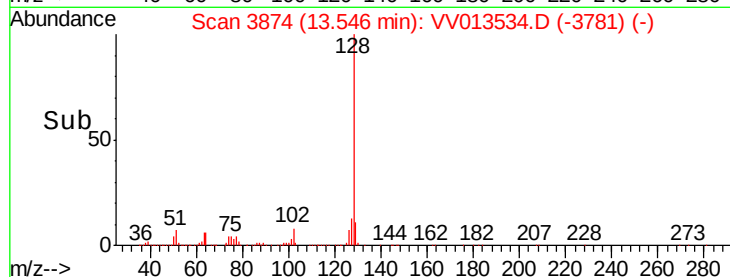
127 13.7 10.7 16.1



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: 11.838 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013534.D

Acq: 08 Nov 2019 11:09

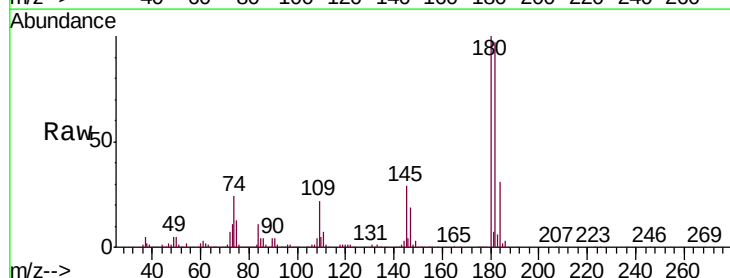
Tgt Ion:180 Resp: 474261

Ion Ratio Lower Upper

180 100

182 96.5 76.2 114.4

145 29.4 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

