

Data File : VV013218.D
Acq On : 18 Oct 2019 22:24
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Oct 19 04:30:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	454505	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	488807	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	303153	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	216594	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.58	69	179188	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	339038	4.69	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.80%
20) 2-Butanone-d5	3.97	46	551546	57.73	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.46%
24) Chloroform-d	4.40	84	453000	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.08	65	215896	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.09	84	895493	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
36) 1,2-Dichloropropane-d6	6.12	67	268591	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	826701	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.60%
43) trans-1,3-Dichloropropene-	7.66	79	94888	4.78	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.60%
46) 2-Hexanone-d5	8.14	63	400870	50.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	197607	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	308118	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	279566	4.943 ug/L	98
3) Chloromethane	1.25	50	256242	4.693 ug/L	99
5) Vinyl chloride	1.32	62	240928	5.032 ug/L	98
6) Bromomethane	1.53	94	133666	5.011 ug/L	96
8) Chloroethane	1.60	64	140279	5.114 ug/L	96
9) Trichlorofluoromethane	1.77	101	336121	4.956 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	188421	4.920 ug/L	100
12) 1,1-Dichloroethene	2.14	96	179284	4.912 ug/L	91
13) Acetone	2.24	43	87109	19.918 ug/L	85
14) Carbon disulfide	2.31	76	505704	4.868 ug/L	99
15) Methyl Acetate	2.48	43	79091	7.340 ug/L	98
16) Methylene chloride	2.53	84	242374	5.301 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	507253	5.188 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	240138	5.041 ug/L	97
19) 1,1-Dichloroethane	3.23	63	439379	5.070 ug/L	98
21) 2-Butanone	4.06	43	563560	53.748 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	249089	5.063 ug/L #	99

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ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Oct 19 04:30:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 19 04:23:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	107684	4.895	ug/L	94
25) Chloroform	4.42	83	450678	4.921	ug/L	99
27) 1,2-Dichloroethane	5.18	62	254865	5.101	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	365550	4.843	ug/L	98
30) Cyclohexane	4.72	56	379629	4.871	ug/L	98
31) Carbon tetrachloride	4.87	117	325668	4.872	ug/L	100
33) Benzene	5.14	78	983257	4.996	ug/L	100
34) Trichloroethene	5.96	95	248988	4.877	ug/L	98
35) Methylcyclohexane	6.17	83	376380	4.804	ug/L	99
37) 1,2-Dichloropropane	6.22	63	240445	4.952	ug/L	98
38) Bromodichloromethane	6.55	83	300403	4.904	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	321508	4.953	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1372720	52.564	ug/L	98
42) Toluene	7.43	91	1028933	5.085	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	243686	4.880	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	165587	4.973	ug/L	98
47) Tetrachloroethene	8.02	164	218854	4.903	ug/L	99
48) 2-Hexanone	8.18	43	996954	52.563	ug/L	97
49) Dibromochloromethane	8.29	129	201258	5.047	ug/L	99
50) 1,2-Dibromoethane	8.40	107	155773	5.173	ug/L	96
51) Chlorobenzene	8.92	112	656857	5.050	ug/L	98
52) Ethylbenzene	9.05	91	1093777	5.184	ug/L	100
53) m,p-xylene	9.18	106	424929	5.341	ug/L	97
54) o-xylene	9.59	106	407556	5.269	ug/L	97
55) Styrene	9.60	104	706499	5.480	ug/L	99
56) Isopropylbenzene	9.97	105	1065712	5.239	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	194621	5.015	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	141979	5.057	ug/L	100
61) Bromoform	9.77	173	112337	4.559	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	544124	5.013	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	541887	5.010	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	504817	4.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	28529	4.380	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	378103	4.748	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	335341	4.829	ug/L	99
69) Naphthalene	13.55	128	493372	4.603	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	325598	4.736	ug/L	99

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

Data File : VV013218.D

Acq On : 18 Oct 2019 22:24

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25.00ML/MSVOA V/WATER

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ALS Vial      : 25      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

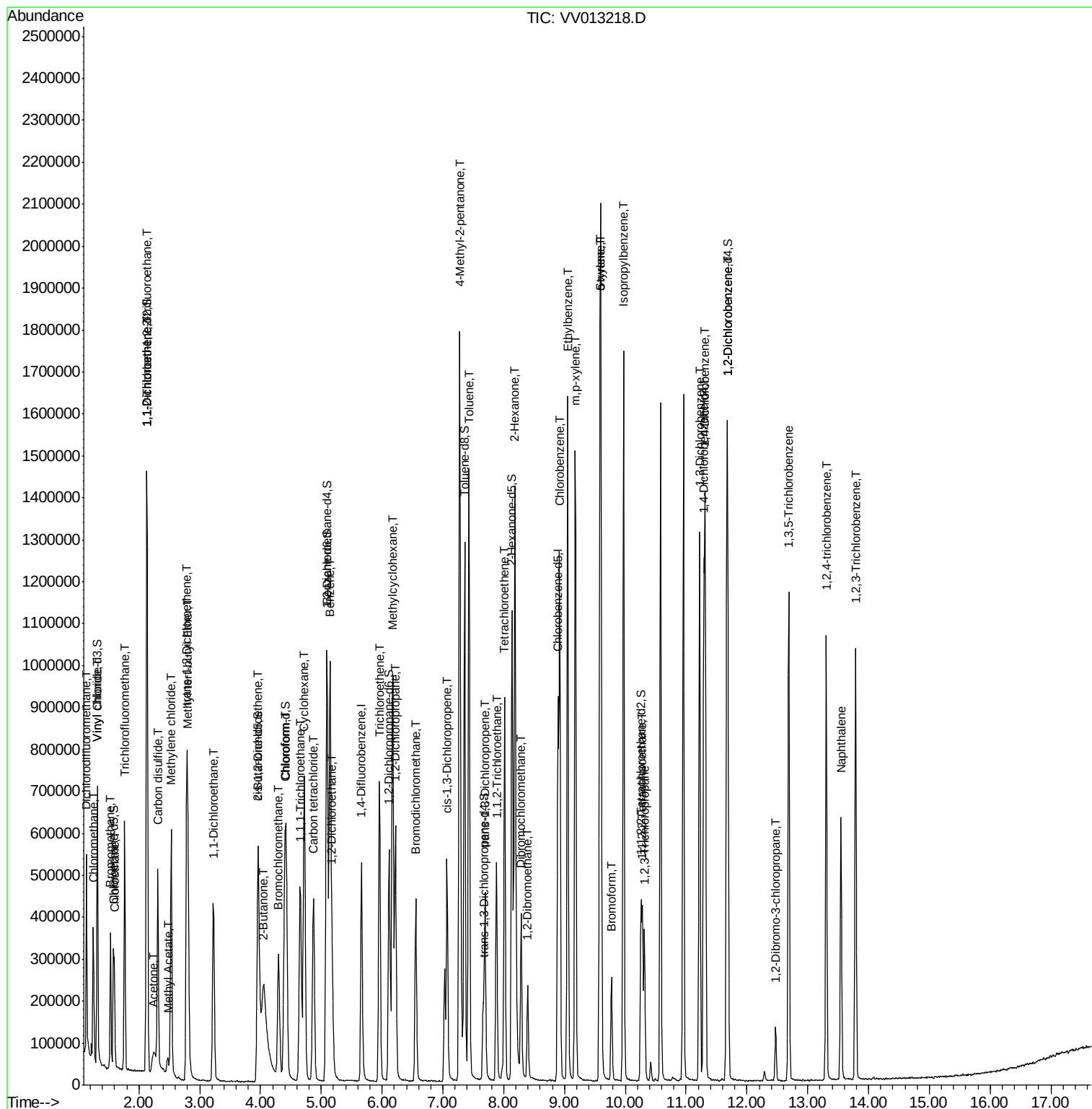
Quant Time: Oct 19 04:30:17 2019

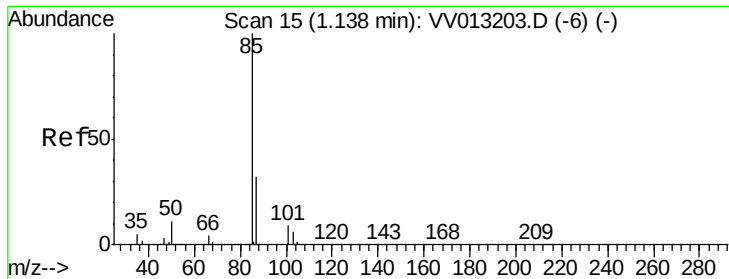
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR101819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 19 04:23:16 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.943 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

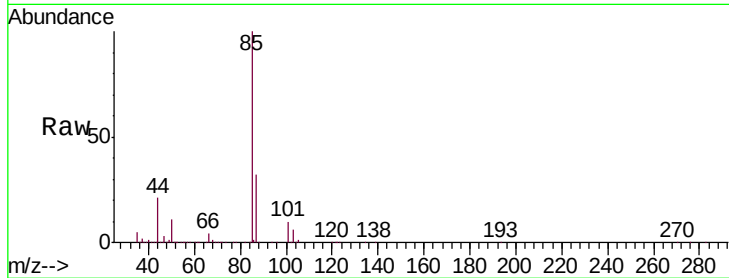
VSTD00547

Tgt Ion: 85 Resp: 279566

Ion Ratio Lower Upper

85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013218.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV013218.D (-1) (-)

1.14

300000

250000

200000

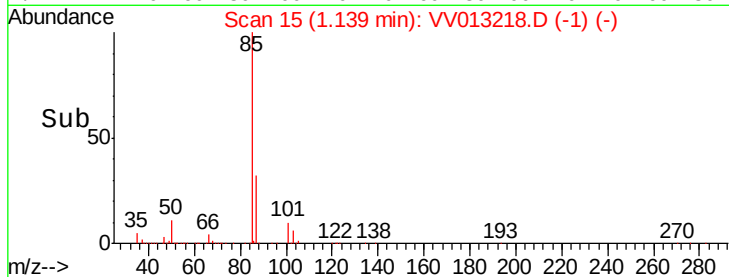
150000

100000

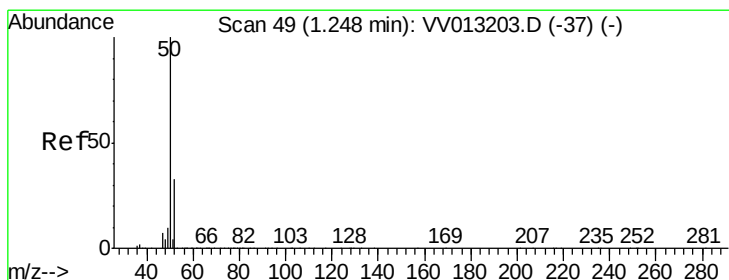
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 4.693 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV013218.D

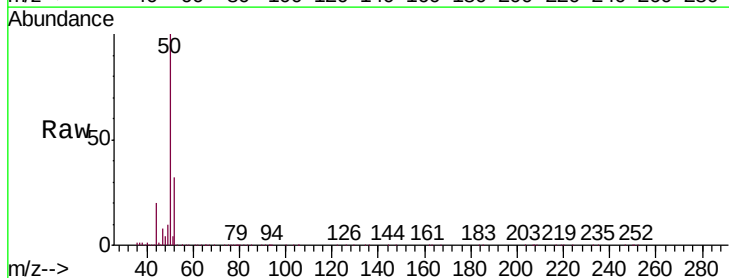
Acq: 18 Oct 2019 22:24

Tgt Ion: 50 Resp: 256242

Ion Ratio Lower Upper

50 100

52 32.2 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV013218.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV013218.D (-1) (-)

1.25

200000

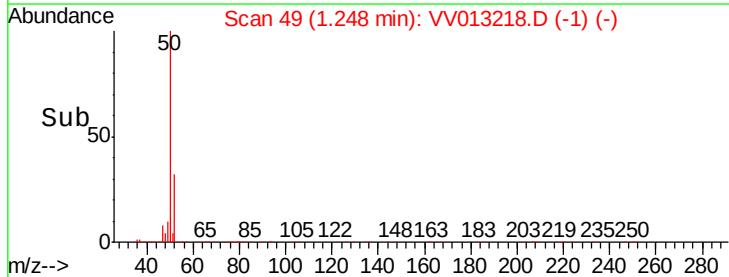
150000

100000

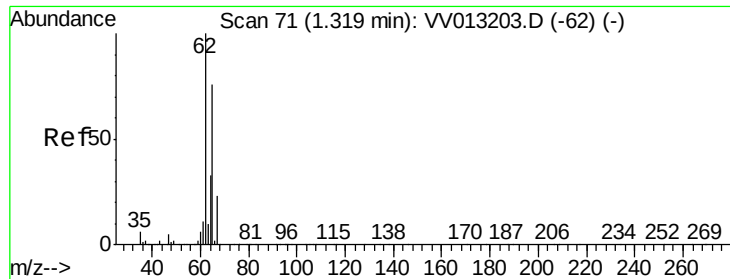
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 5.032 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

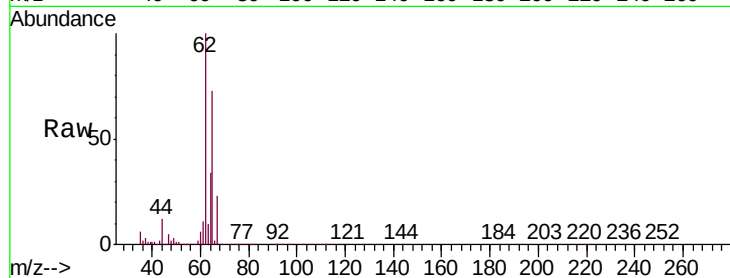
VSTD00547

Tgt Ion: 62 Resp: 240928

Ion Ratio Lower Upper

62 100

64 33.6 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

250000

200000

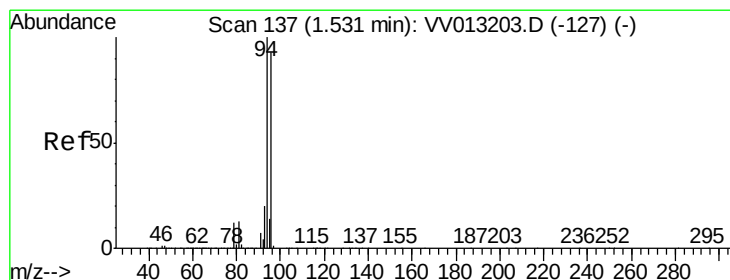
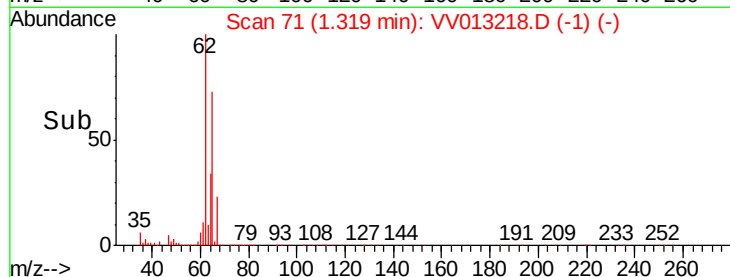
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.011 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013218.D

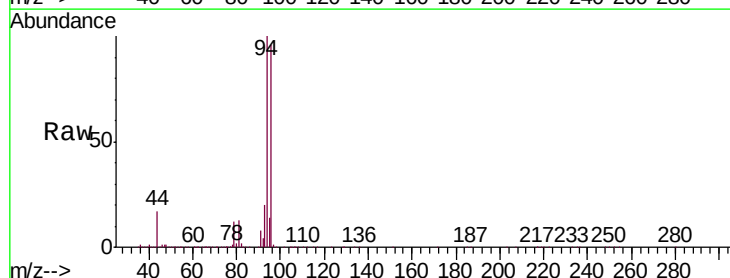
Acq: 18 Oct 2019 22:24

Tgt Ion: 94 Resp: 133666

Ion Ratio Lower Upper

94 100

96 95.7 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

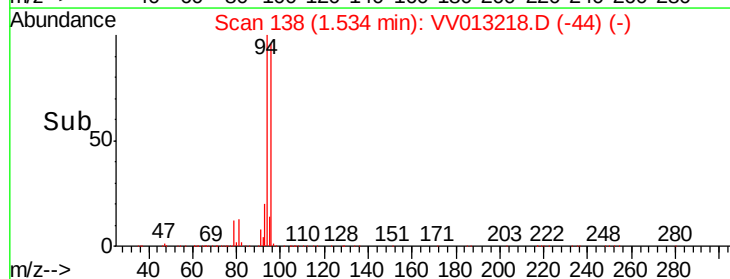
1.53

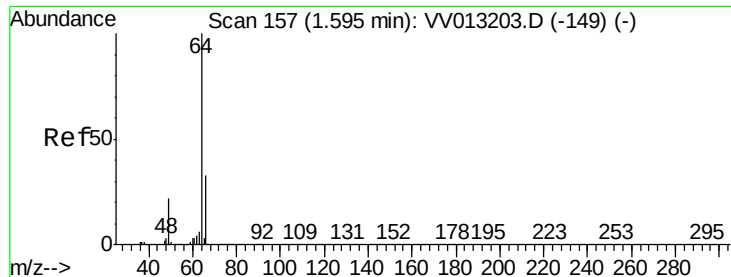
100000

50000

0

Time-->





#8

Chloroethane

Concen: 5.114 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

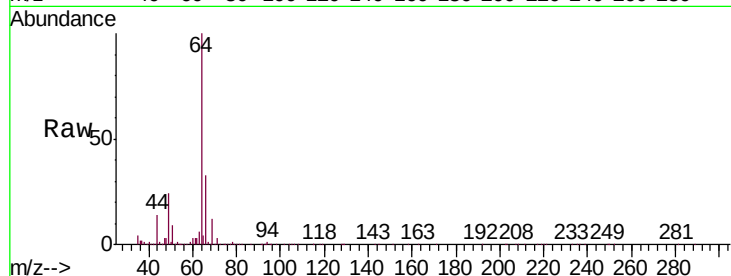
VSTD00547

Tgt Ion: 64 Resp: 140279

Ion Ratio Lower Upper

64 100

66 33.0 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV013218.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV013218.D (-64) (-)

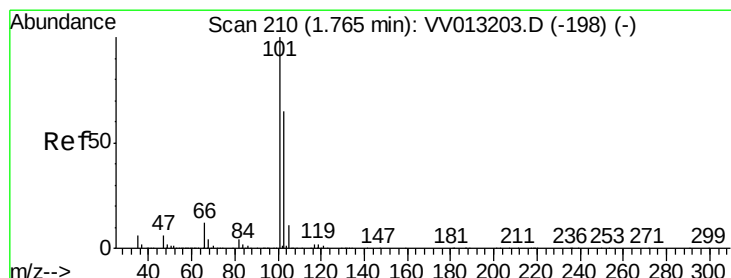
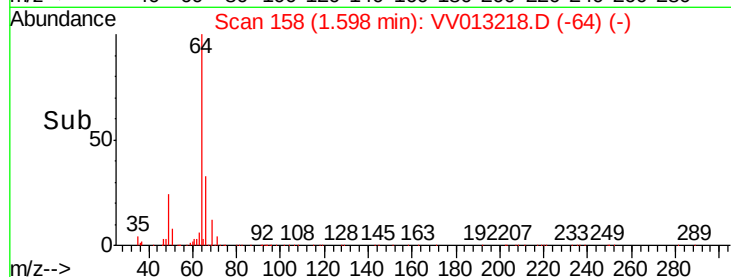
1.60

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.956 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013218.D

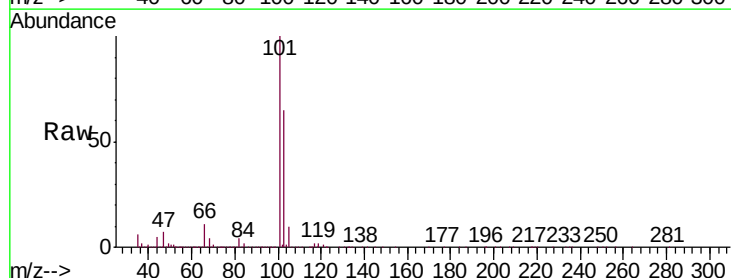
Acq: 18 Oct 2019 22:24

Tgt Ion: 101 Resp: 336121

Ion Ratio Lower Upper

101 100

103 65.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV013218.D (-117) (-)

Ion 103.00 (102.70 to 103.70): VV013218.D (-117) (-)

1.77

300000

250000

200000

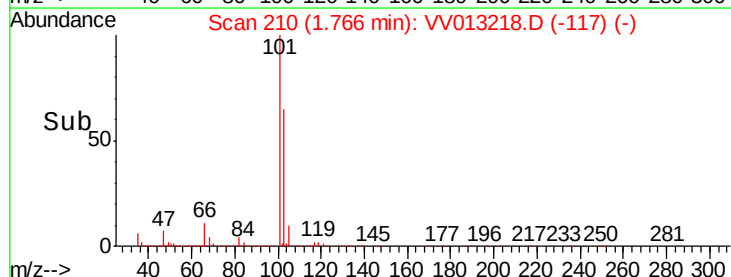
150000

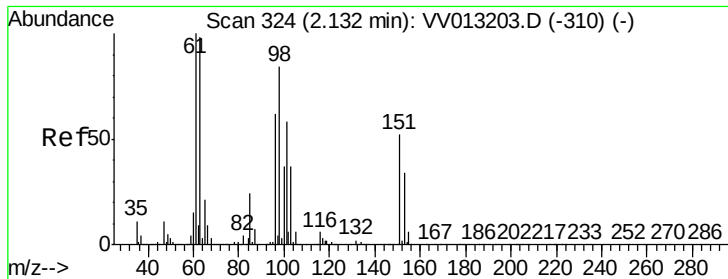
100000

50000

0

Time-->





#10

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

Concen: 4.920 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

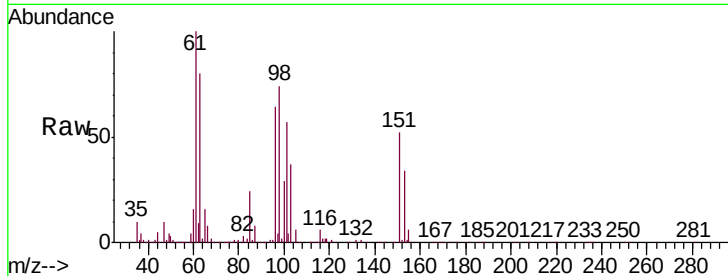
Tgt Ion: 101 Resp: 188421

Ion Ratio Lower Upper

101 100

85 40.4 32.4 48.6

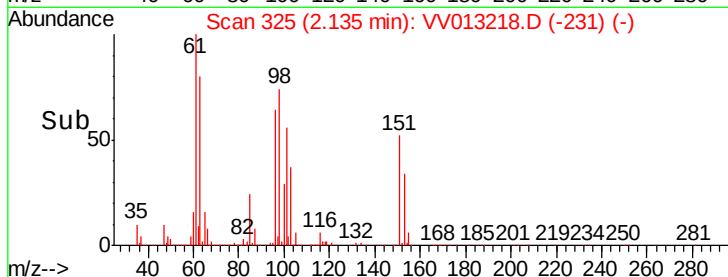
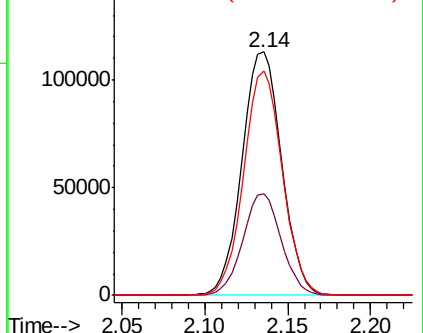
151 90.0 71.9 107.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

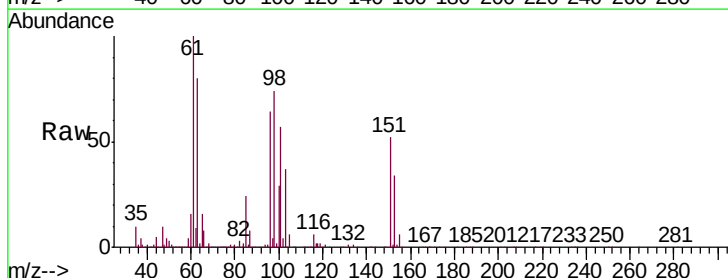
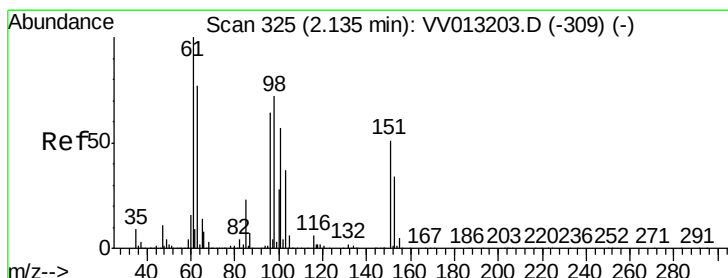
Tgt Ion: 96 Resp: 179284

Ion Ratio Lower Upper

96 100

61 155.9 109.8 204.0

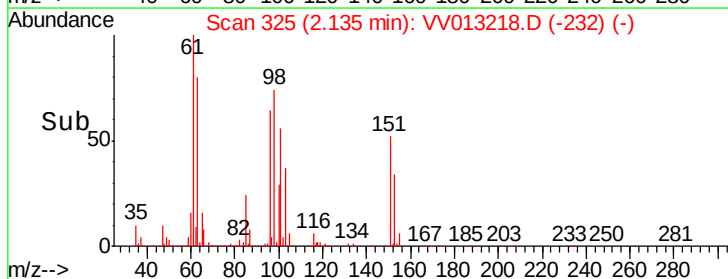
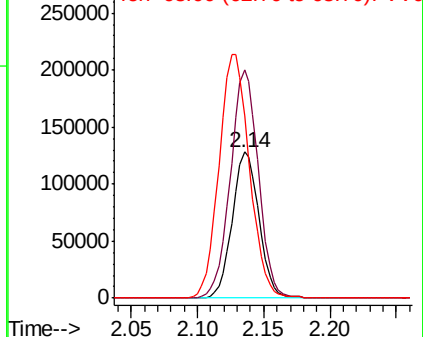
63 124.8 72.6 134.8

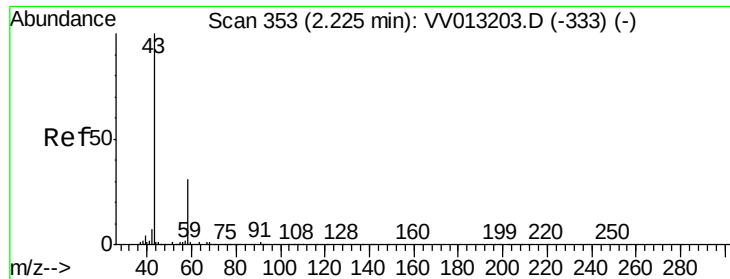


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 19.918 ug/L

RT: 2.24 min Scan# 359

Delta R.T. 0.02 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

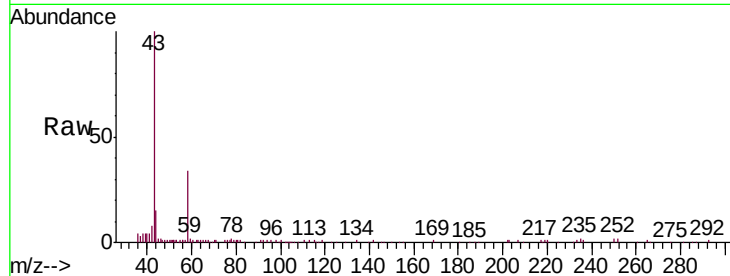
VSTD00547

Tgt Ion: 43 Resp: 87109

Ion Ratio Lower Upper

43 100

58 33.9 0.0 52.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

30000

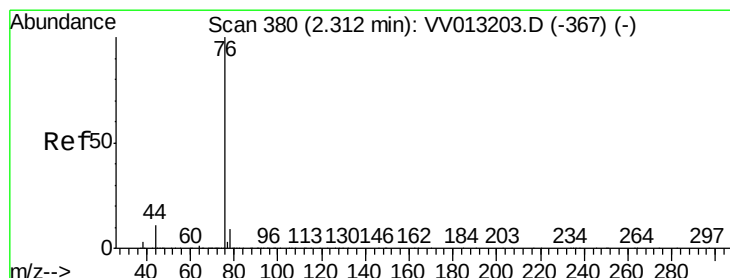
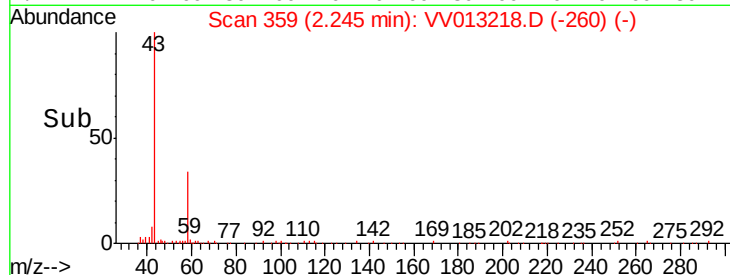
20000

10000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 4.868 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013218.D

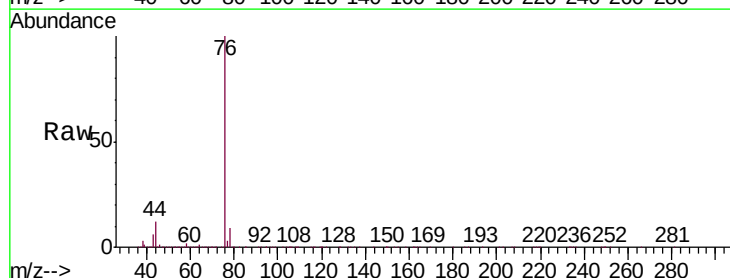
Acq: 18 Oct 2019 22:24

Tgt Ion: 76 Resp: 505704

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

400000

300000

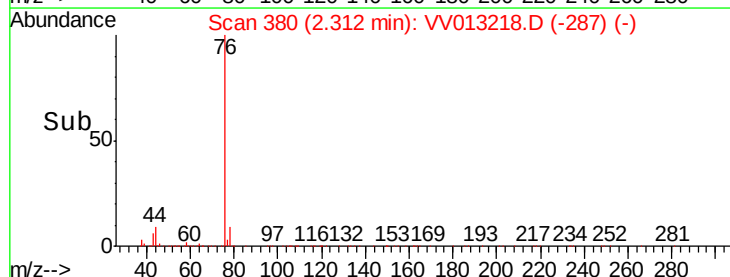
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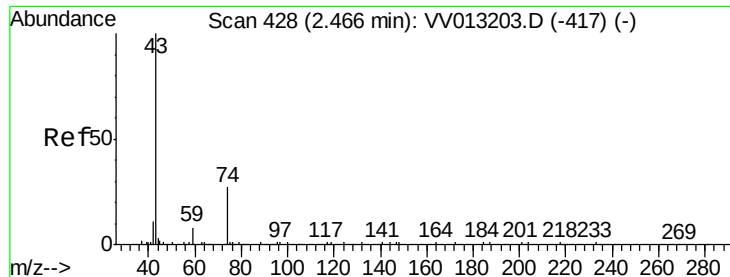
100000

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Time-->

2.25 2.30 2.35 2.40

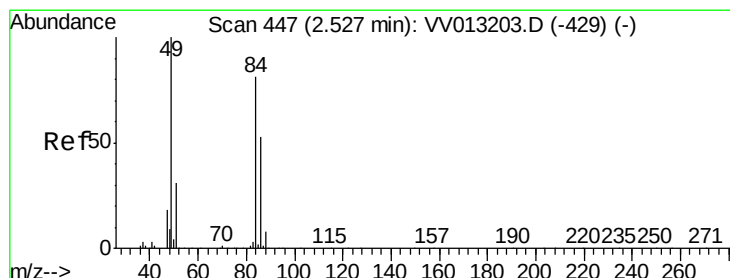
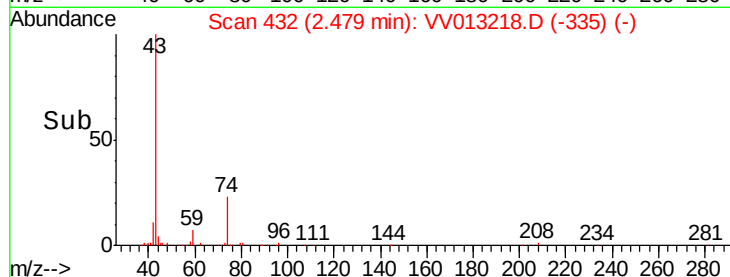
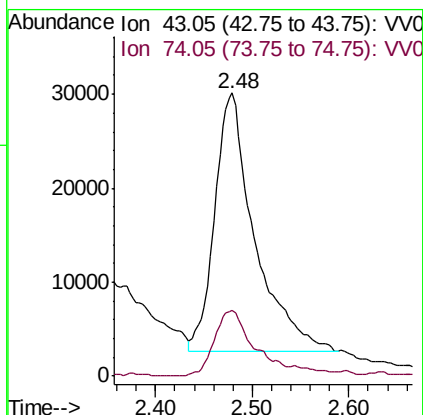
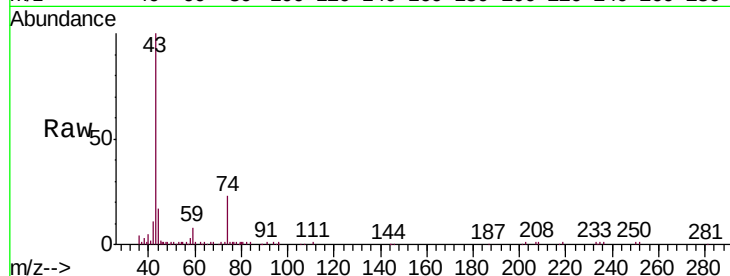




#15
Methyl Acetate
Concen: 7.340 ug/L
RT: 2.48 min Scan# 432
Delta R.T. 0.01 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

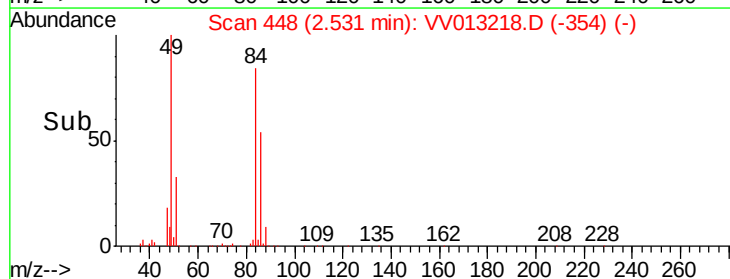
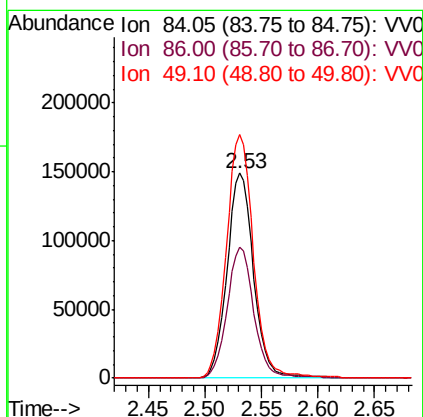
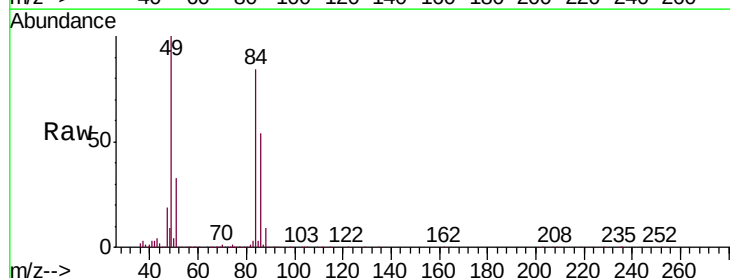
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

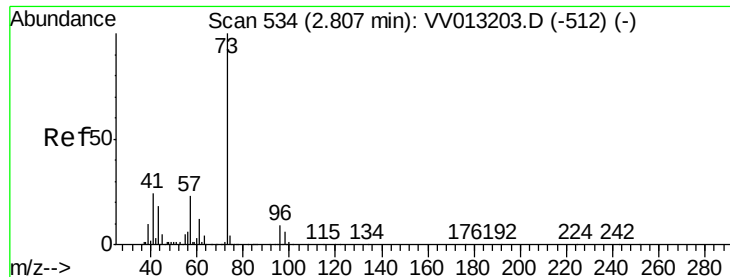
Tgt Ion: 43 Resp: 79091
Ion Ratio Lower Upper
43 100
74 24.8 20.7 31.1



#16
Methylene chloride
Concen: 5.301 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Tgt Ion: 84 Resp: 242374
Ion Ratio Lower Upper
84 100
86 63.6 44.5 82.7
49 118.8 87.3 162.1

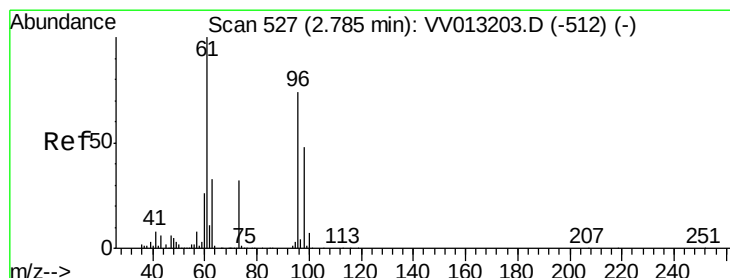
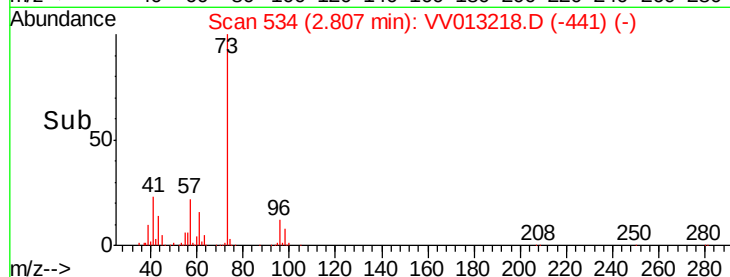
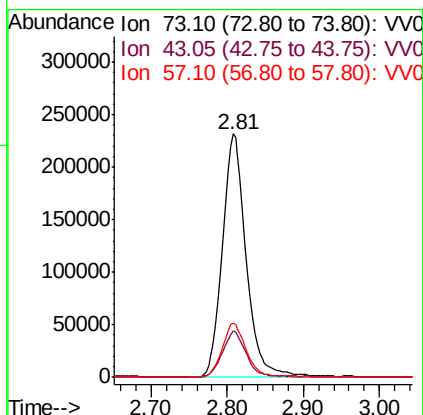
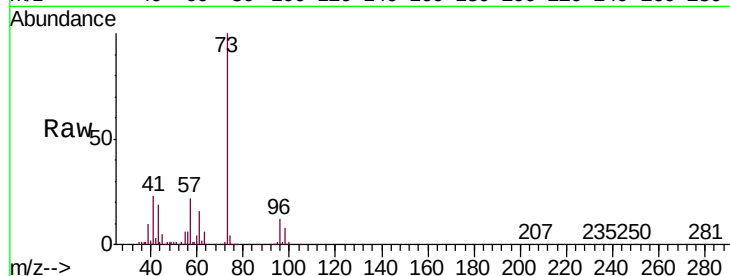




#17
Methyl tert-butyl Ether
Concen: 5.188 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

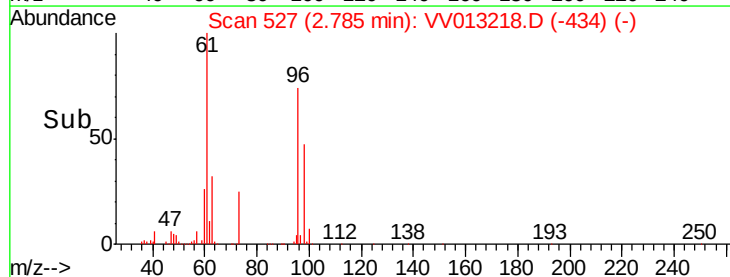
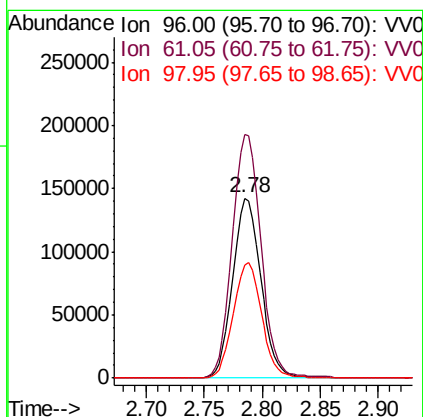
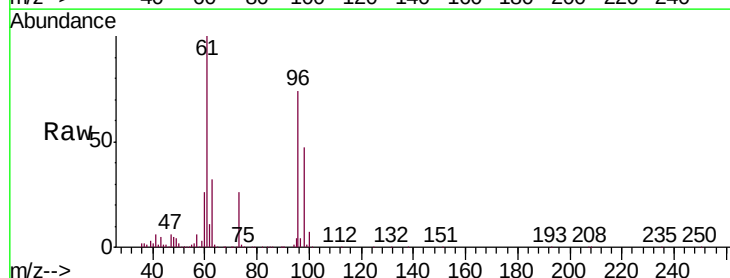
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

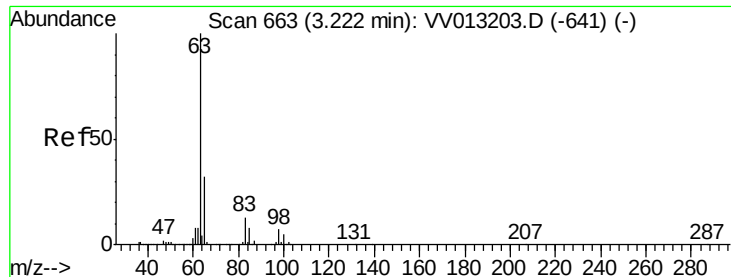
Tgt Ion:	73	Resp:	507253
Ion	Ratio	Lower	Upper
73	100		
43	18.2	14.6	22.0
57	22.1	17.8	26.8



#18
trans-1,2-Dichloroethene
Concen: 5.041 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Tgt Ion:	96	Resp:	240138
Ion	Ratio	Lower	Upper
96	100		
61	135.2	98.1	182.1
98	63.0	44.9	83.5

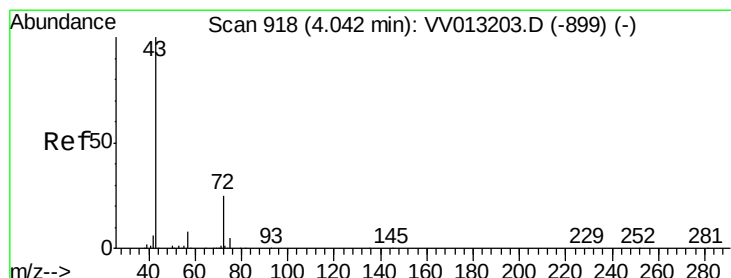
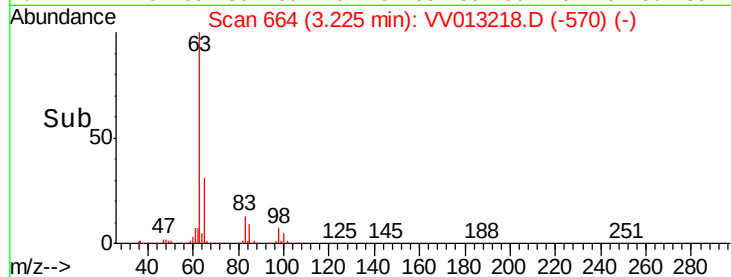
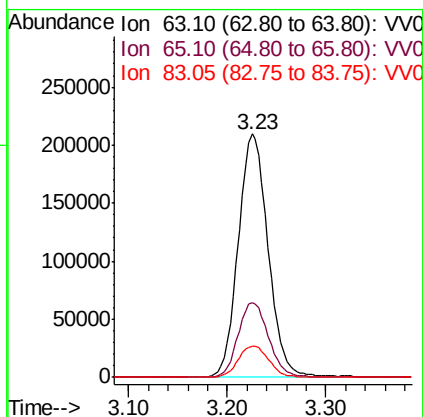




#19
 1,1-Dichloroethane
 Concen: 5.070 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

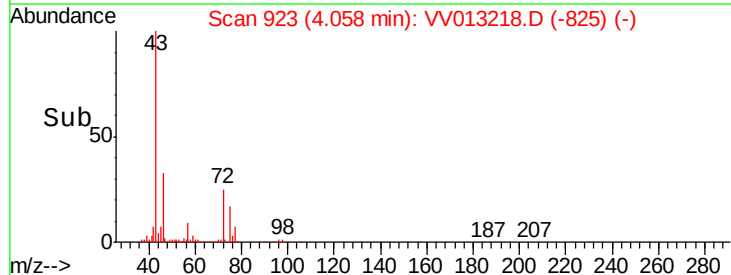
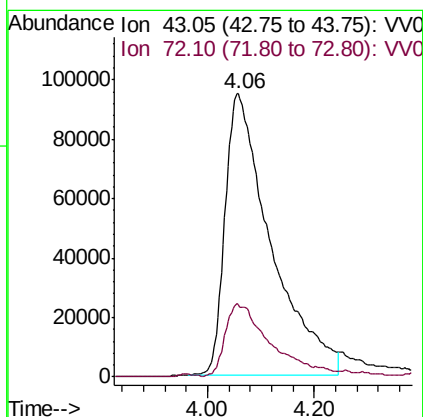
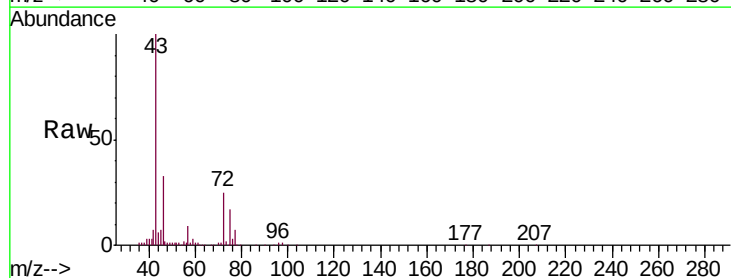
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

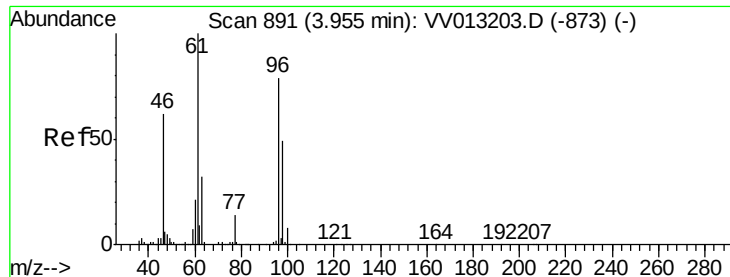
Tgt Ion:	63	Resp:	439379
Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.5	41.7
83	12.8	9.5	17.7



#21
 2-Butanone
 Concen: 53.748 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.02 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion:	43	Resp:	563560
Ion	Ratio	Lower	Upper
43	100		
72	24.6	13.1	39.1



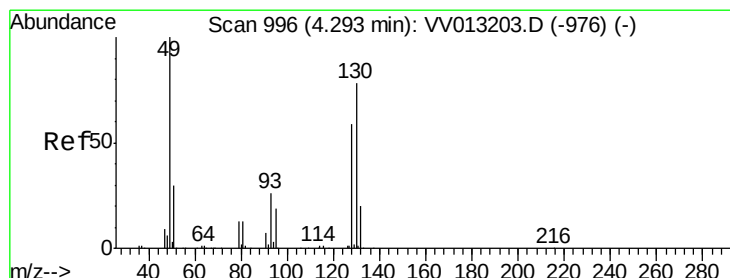
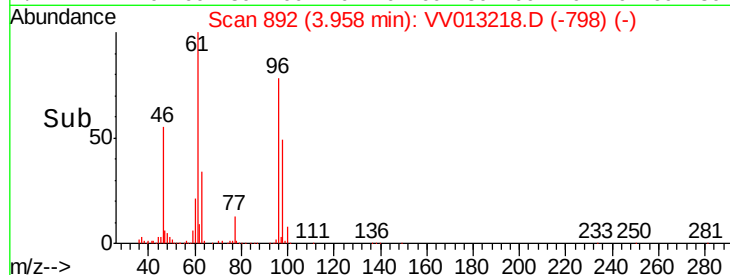
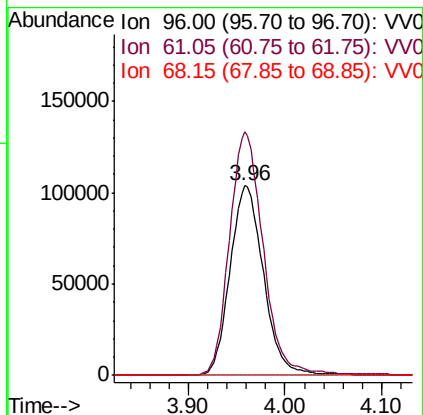
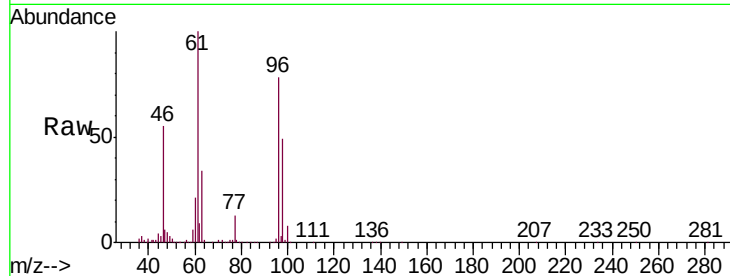


#22

cis-1,2-Dichloroethene
 Concen: 5.063 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

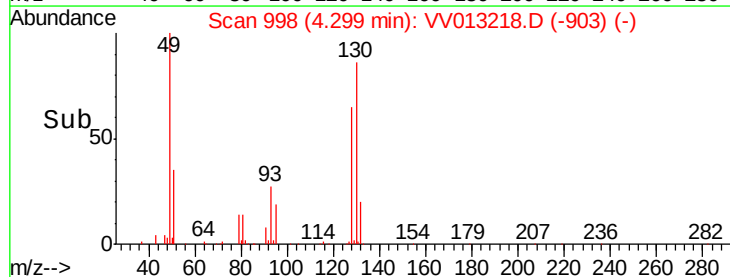
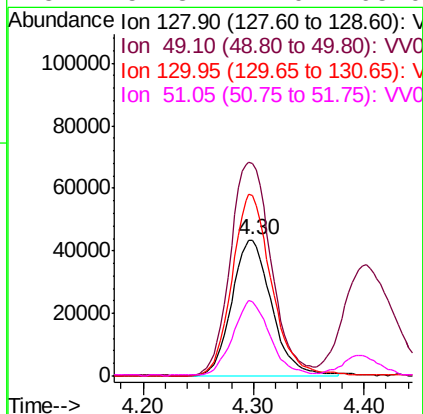
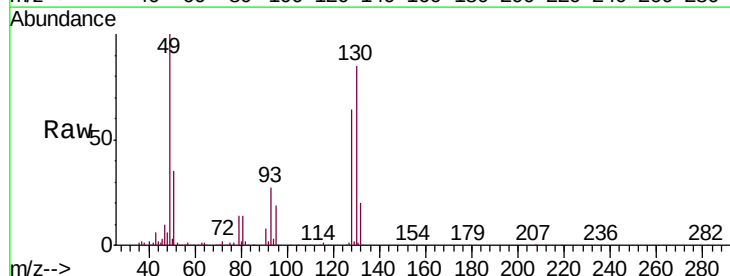
Tgt Ion: 96 Resp: 249089
 Ion Ratio Lower Upper
 96 100
 61 128.4 90.6 168.2
 68 0.0 0.1 0.1#

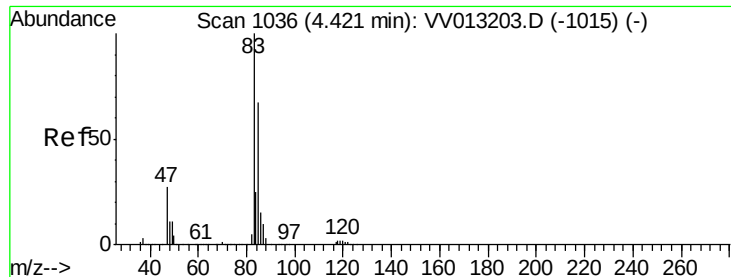


#23

Bromochloromethane
 Concen: 4.895 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 128 Resp: 107684
 Ion Ratio Lower Upper
 128 100
 49 156.8 118.4 219.8
 130 132.8 89.5 166.3
 51 54.3 42.0 63.0

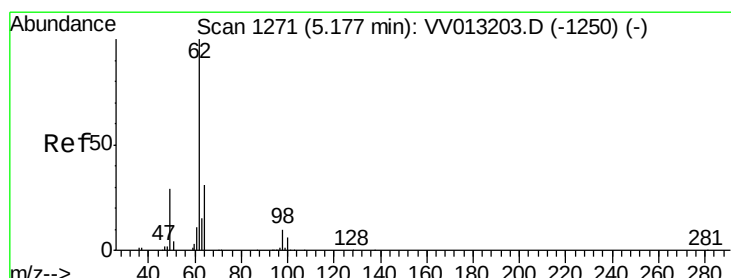
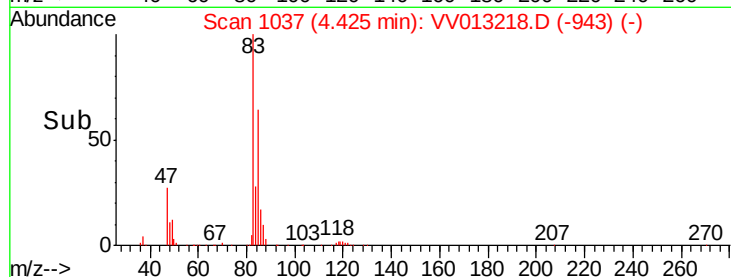
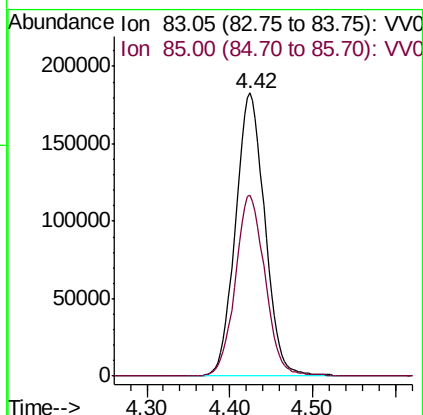
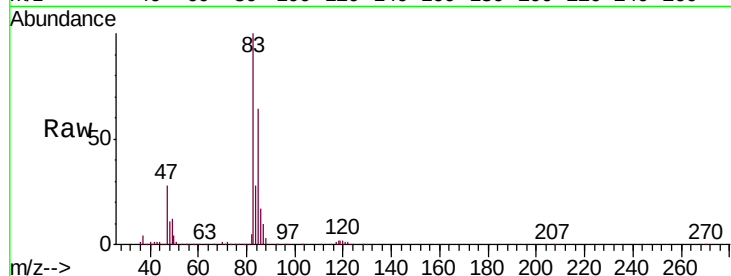




#25
Chloroform
Concen: 4.921 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

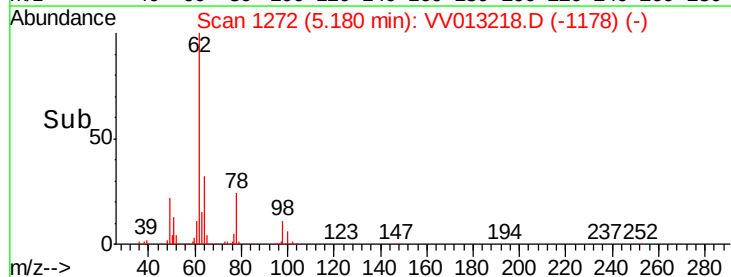
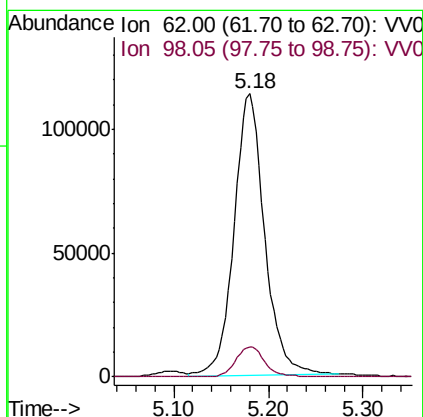
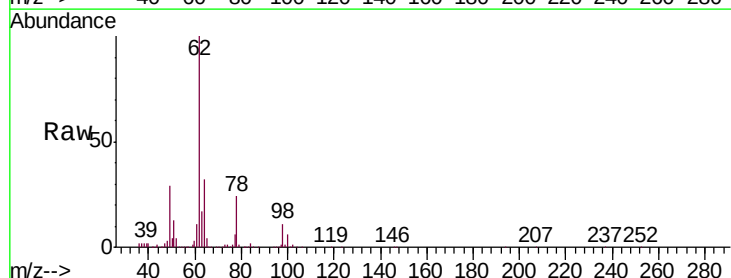
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

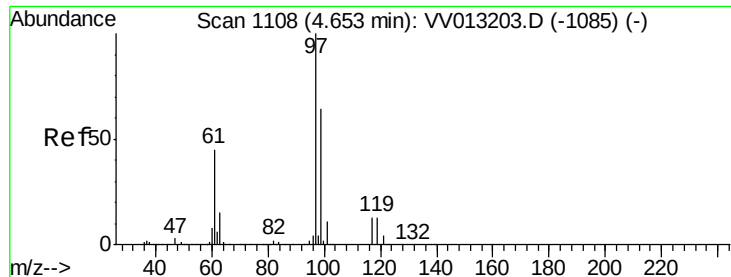
Tgt Ion: 83 Resp: 450678
Ion Ratio Lower Upper
83 100
85 63.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 5.101 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Tgt Ion: 62 Resp: 254865
Ion Ratio Lower Upper
62 100
98 10.6 7.4 11.2

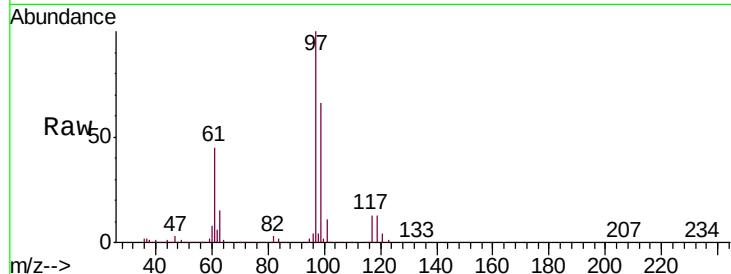




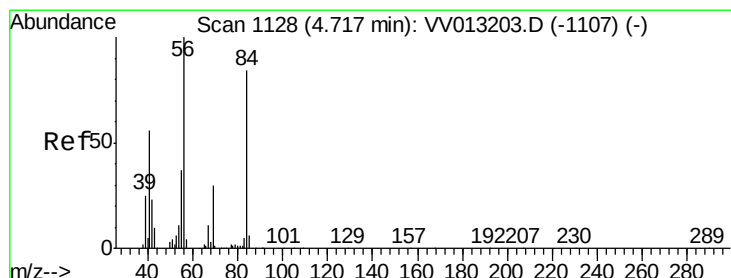
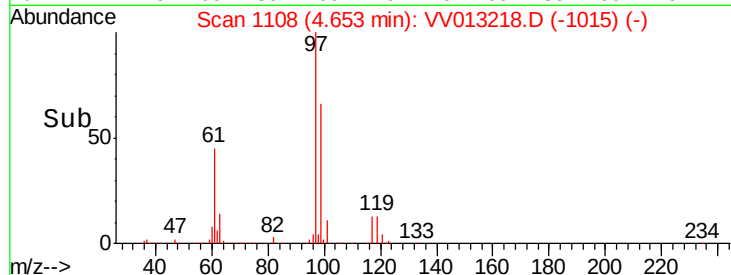
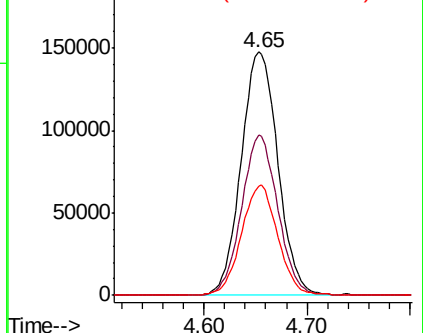
#29
 1,1,1-Trichloroethane
 Concen: 4.843 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 97 Resp: 365550
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.2 76.8
 61 44.8 37.0 55.4

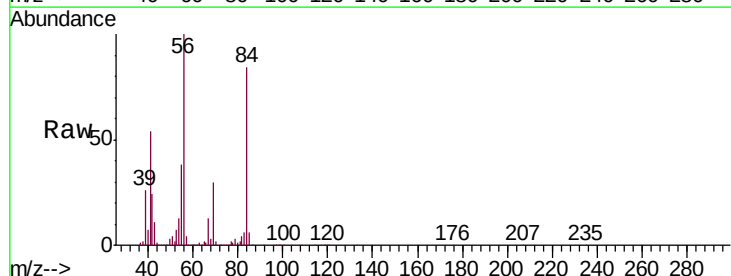


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

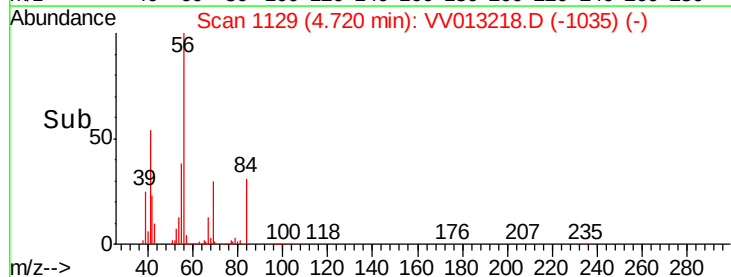
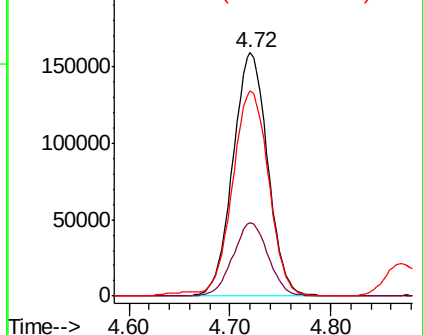


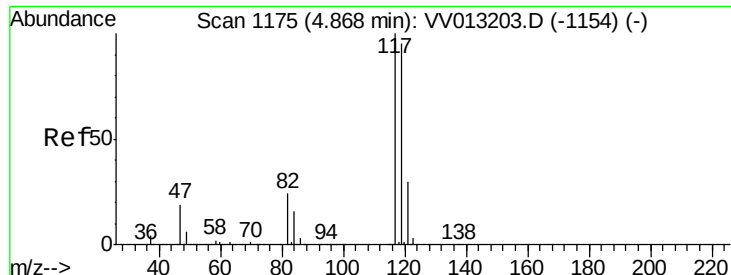
#30
 Cyclohexane
 Concen: 4.871 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 56 Resp: 379629
 Ion Ratio Lower Upper
 56 100
 69 30.6 23.0 34.4
 84 87.4 69.0 103.4



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: 4.872 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

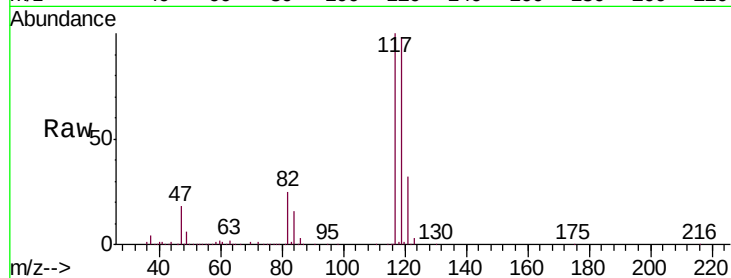
VSTD00547

Tgt Ion:117 Resp: 325668

Ion Ratio Lower Upper

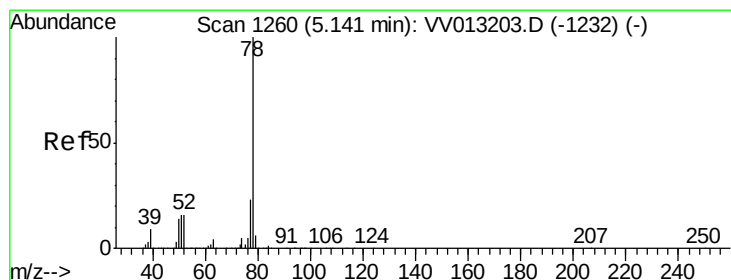
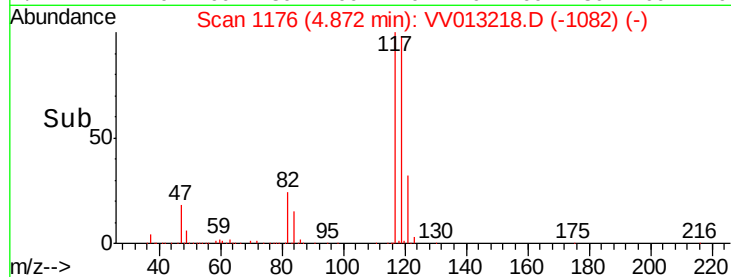
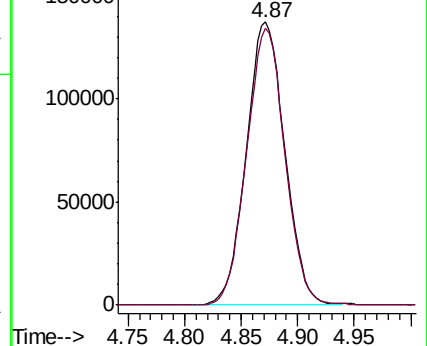
117 100

119 97.0 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.996 ug/L

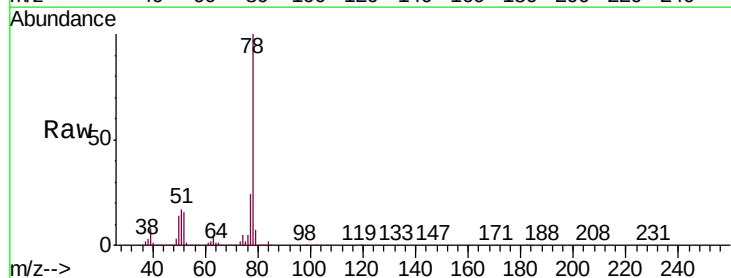
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

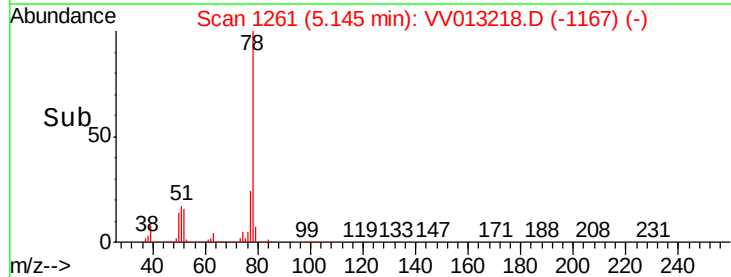
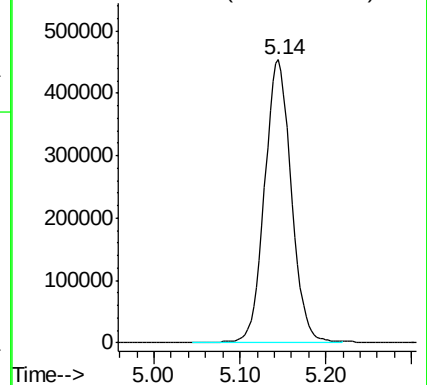
Lab File: VV013218.D

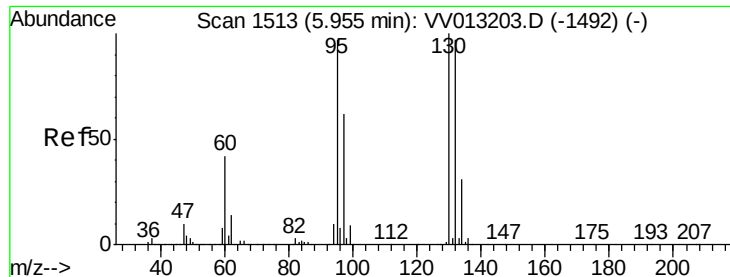
Acq: 18 Oct 2019 22:24

Tgt Ion: 78 Resp: 983257



Abundance Ion 78.10 (77.80 to 78.80): VV0

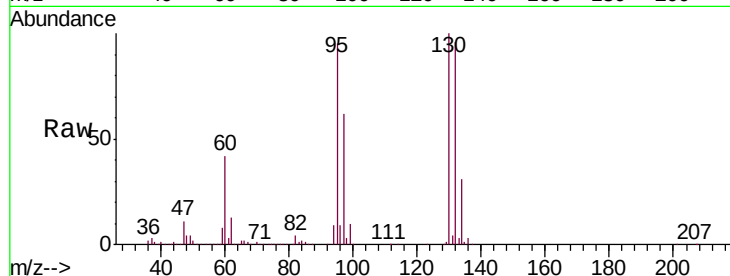




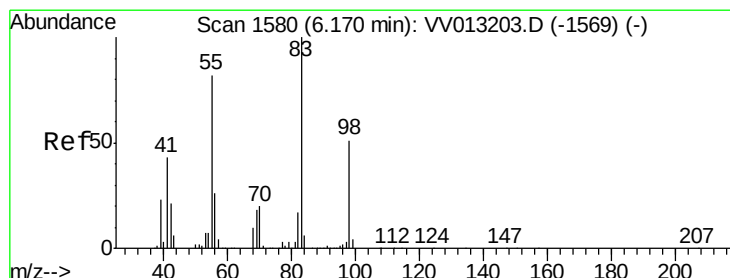
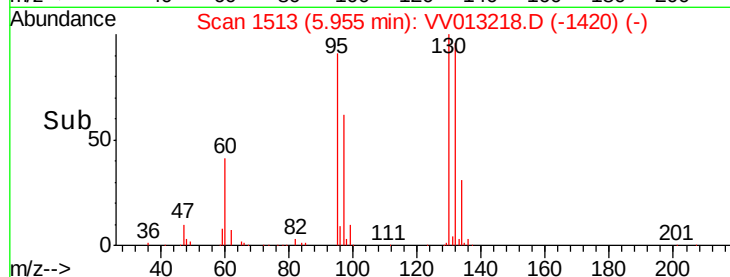
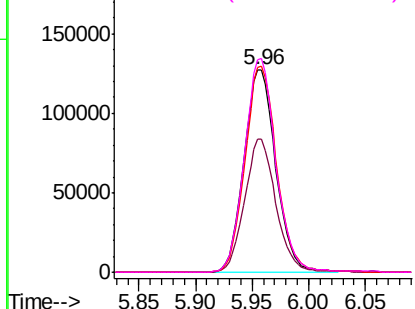
#34
 Trichloroethene
 Concen: 4.877 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 95 Resp: 248988
 Ion Ratio Lower Upper
 95 100
 97 65.7 44.7 82.9
 132 101.4 68.9 127.9
 130 105.3 72.7 134.9

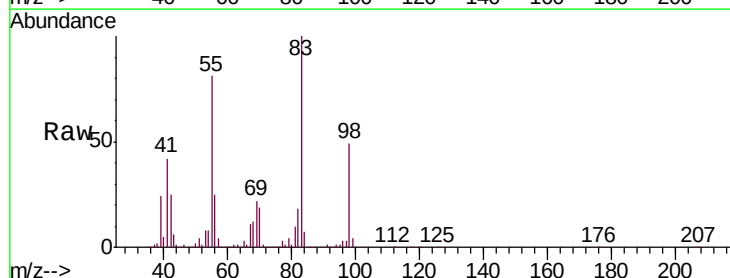


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

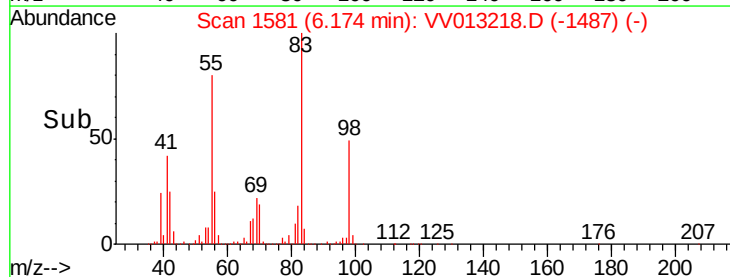
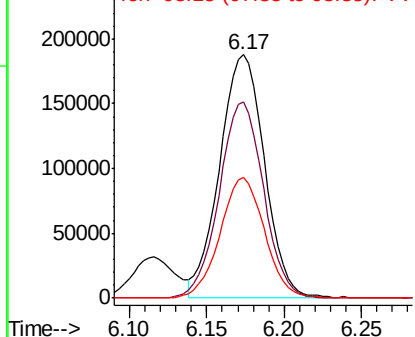


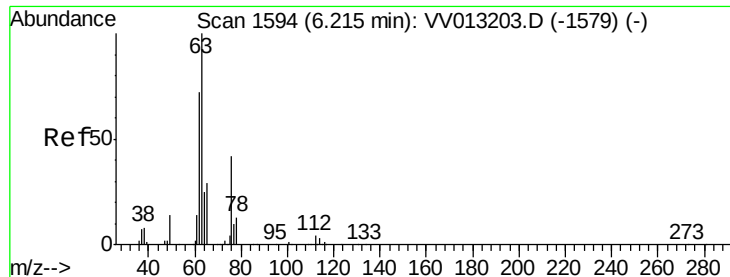
#35
 Methylcyclohexane
 Concen: 4.804 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 83 Resp: 376380
 Ion Ratio Lower Upper
 83 100
 55 79.8 64.0 96.0
 98 49.6 38.6 57.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

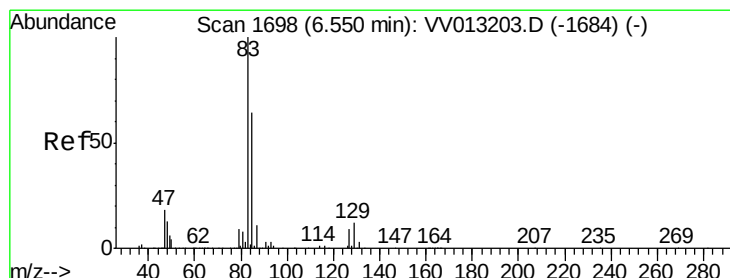
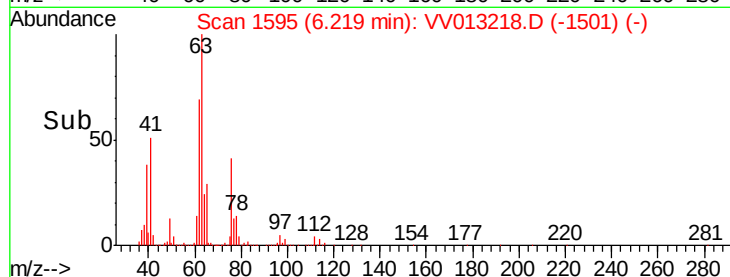
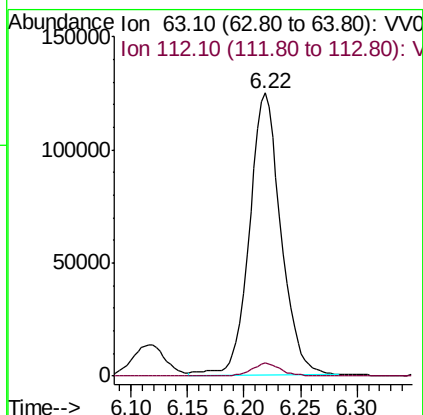
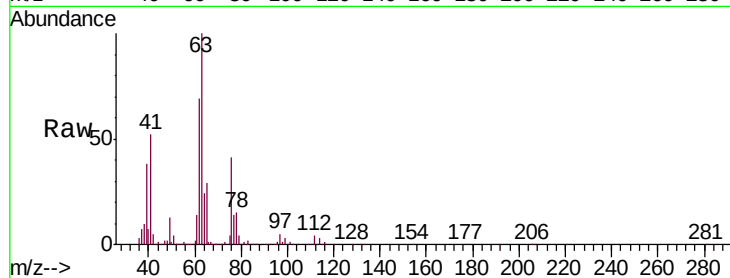




#37
 1,2-Dichloropropane
 Concen: 4.952 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

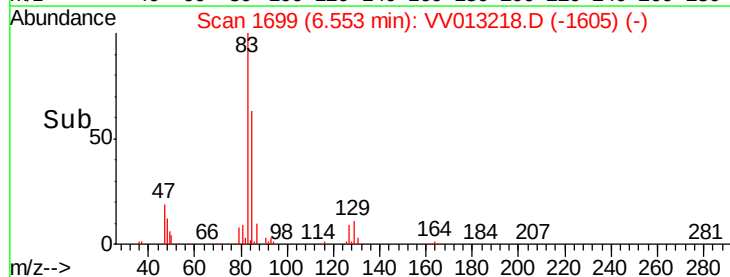
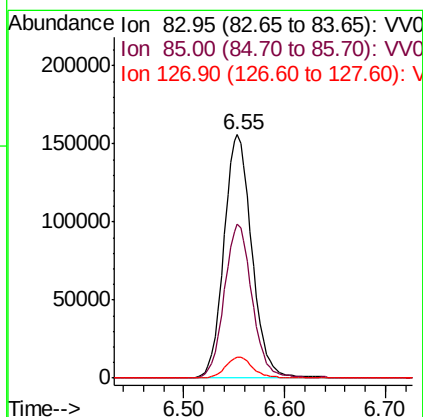
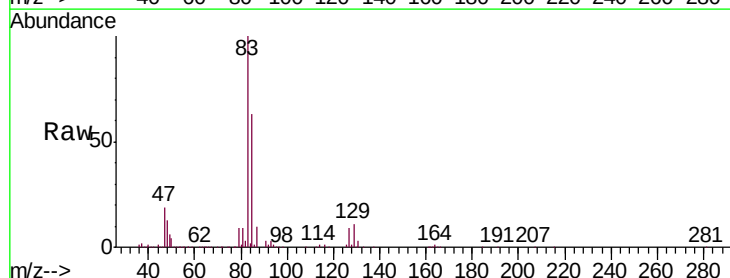
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00547

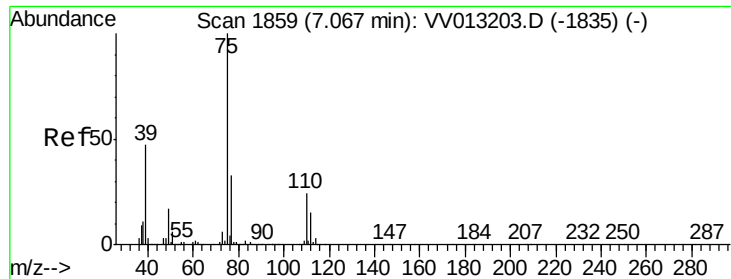
Tgt Ion: 63 Resp: 240445
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.904 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 83 Resp: 300403
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.0 81.6
 127 8.6 7.0 10.6

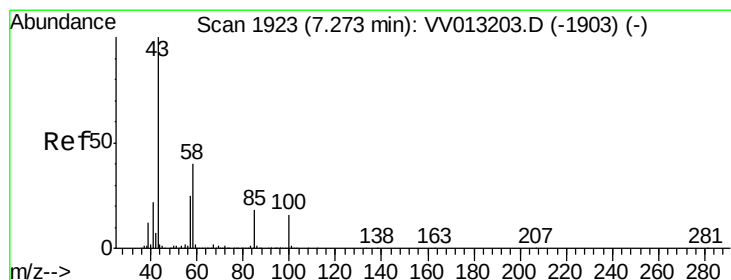
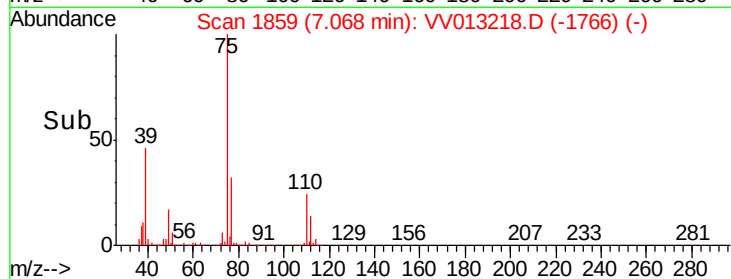
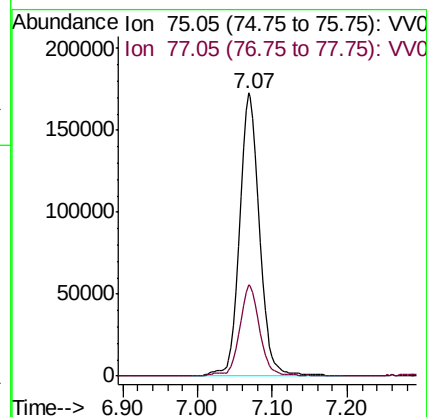
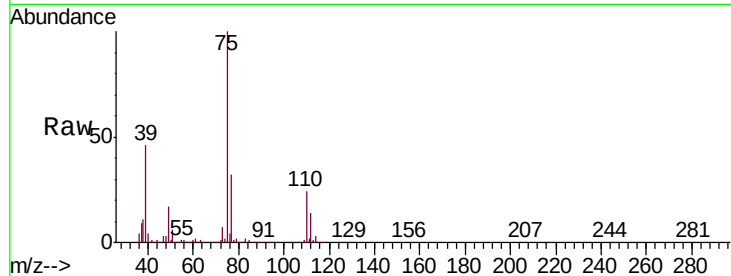




#39
 cis-1,3-Dichloropropene
 Concen: 4.953 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

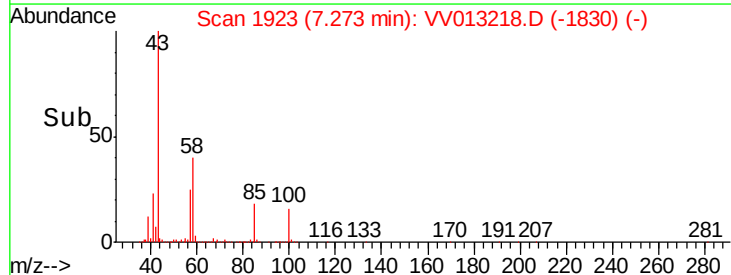
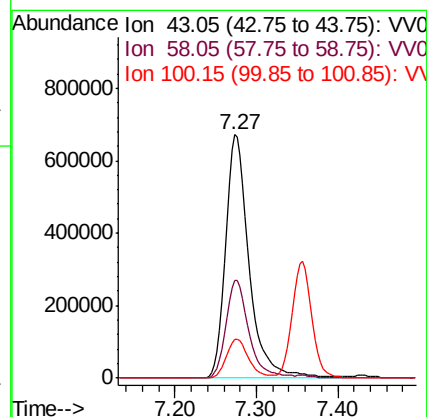
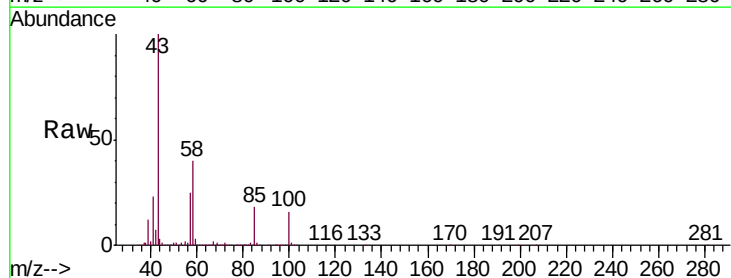
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

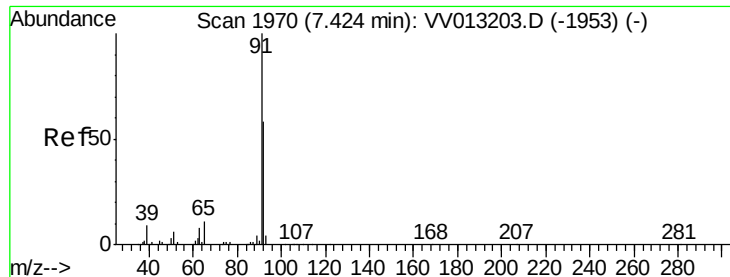
Tgt Ion: 75 Resp: 321508
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 52.564 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 43 Resp: 1372720
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.4 48.6
 100 15.3 11.8 17.8





#42

Toluene

Concen: 5.085 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

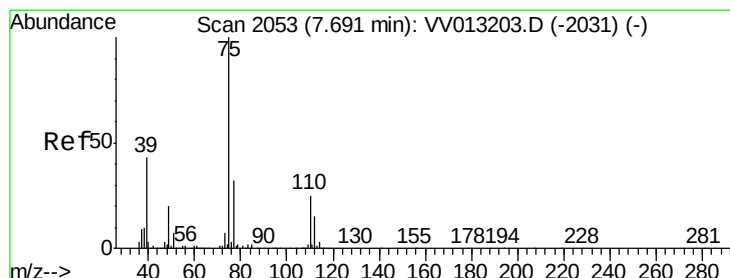
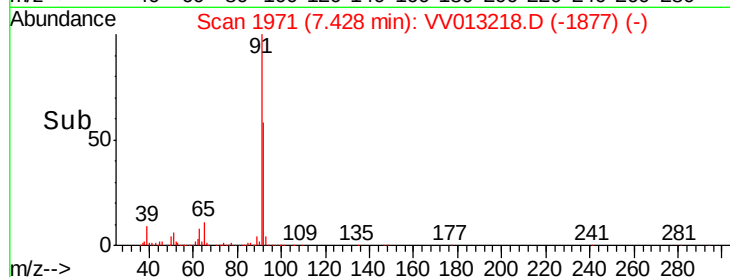
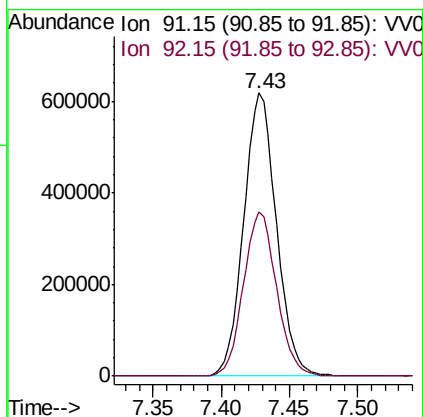
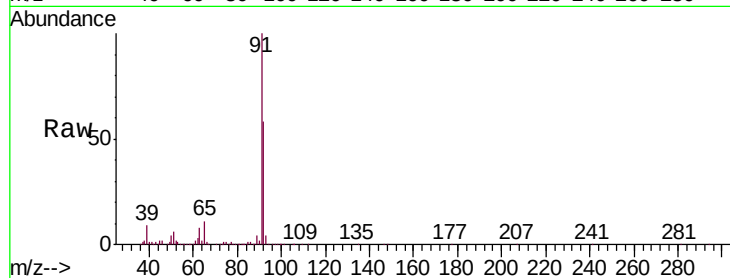
VSTD00547

Tgt Ion: 91 Resp: 1028933

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 4.880 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013218.D

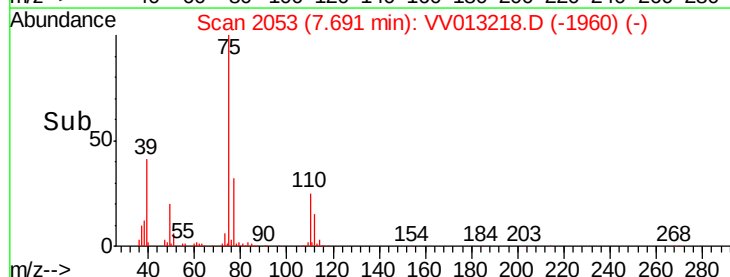
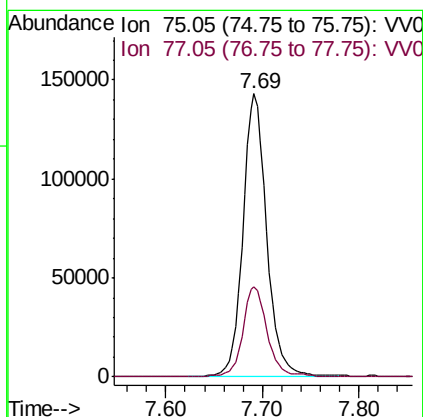
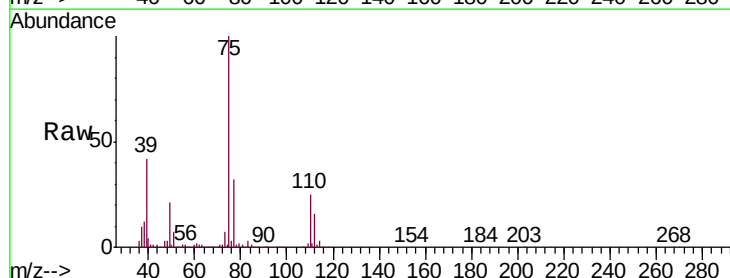
Acq: 18 Oct 2019 22:24

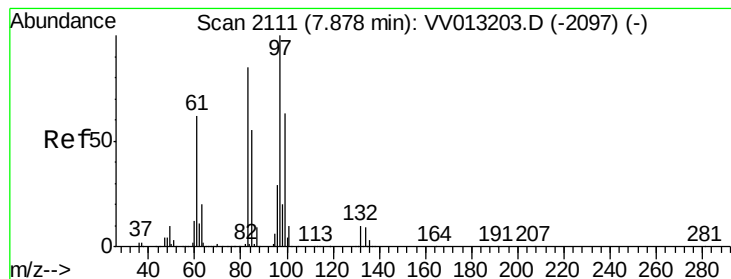
Tgt Ion: 75 Resp: 243686

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.4





#45

1,1,2-Trichloroethane

Concen: 4.973 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

Tgt Ion: 97 Resp: 165587

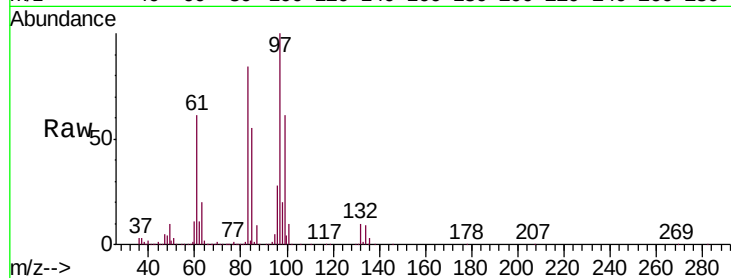
Ion Ratio Lower Upper

97 100

99 60.8 43.8 81.4

83 83.8 59.5 110.5

85 55.3 39.5 73.4

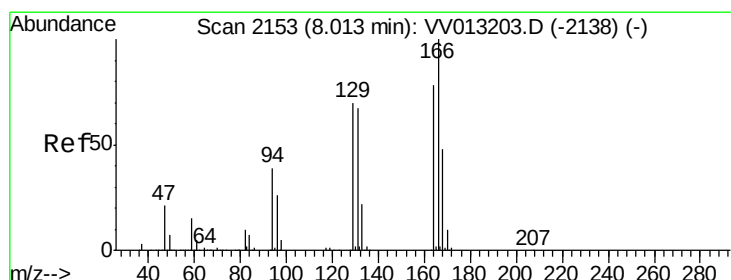
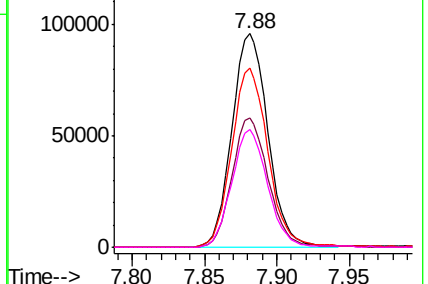
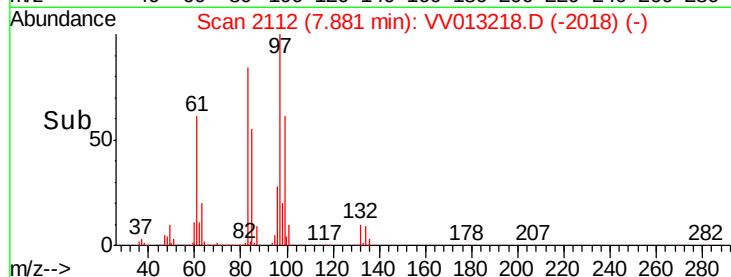


Abundance Ion 96.95 (96.65 to 97.65): VV013218.D (-2018) (-)

Ion 99.05 (98.75 to 99.75): VV013218.D (-2018) (-)

Ion 82.95 (82.65 to 83.65): VV013218.D (-2018) (-)

Ion 85.00 (84.70 to 85.70): VV013218.D (-2018) (-)



#47

Tetrachloroethene

Concen: 4.903 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Tgt Ion: 164 Resp: 218854

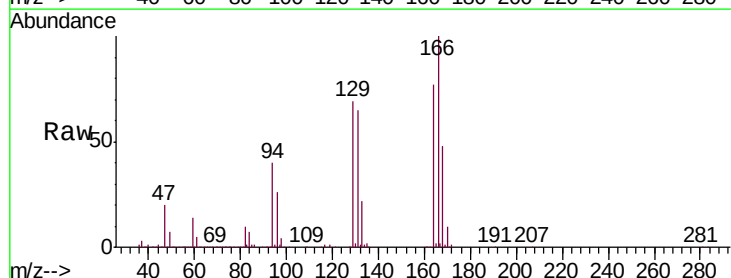
Ion Ratio Lower Upper

164 100

129 89.5 62.2 115.4

131 83.7 59.9 111.3

166 129.7 91.1 169.1

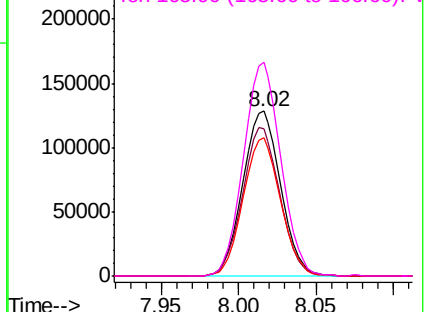
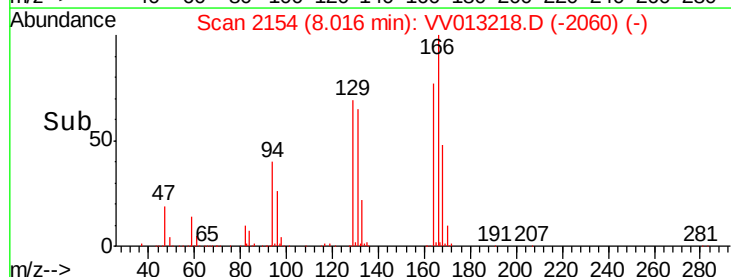


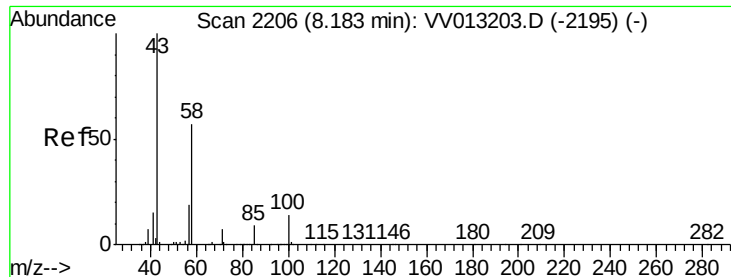
Abundance Ion 163.90 (163.60 to 164.60): VV013218.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV013218.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV013218.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV013218.D (-2060) (-)

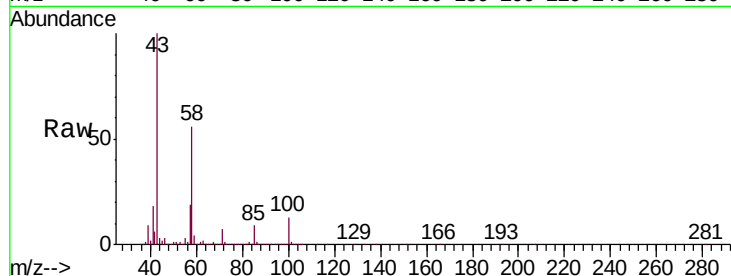




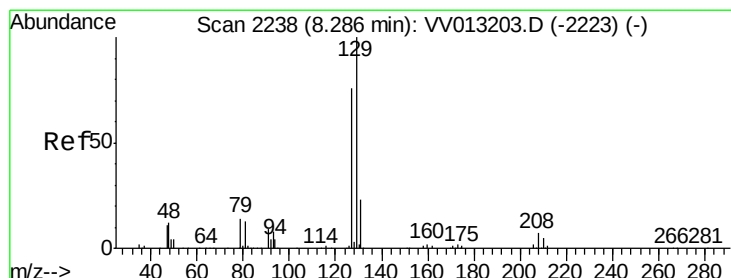
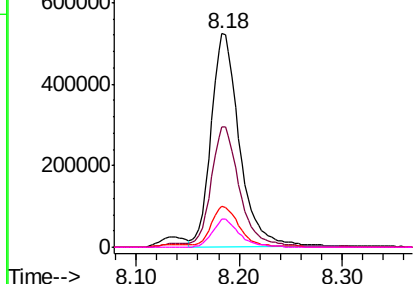
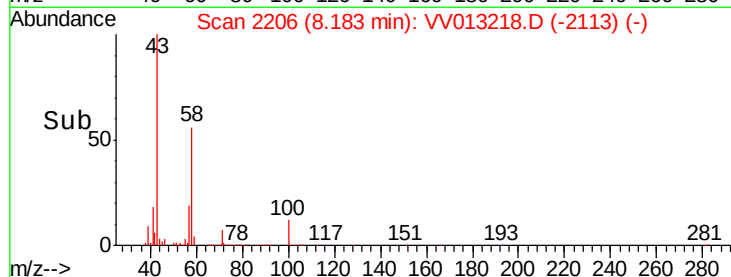
#48
2-Hexanone
Concen: 52.563 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion:	43	Resp:	996954
Ion	Ratio	Lower	Upper
43	100		
58	57.2	44.2	66.2
57	19.2	14.5	21.7
100	12.5	9.5	14.3

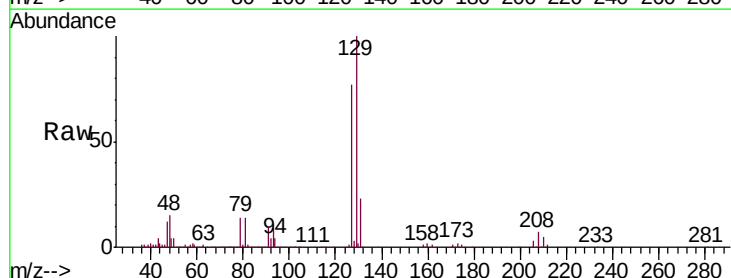


Abundance Ion 43.05 (42.75 to 43.75): VV013218.D (-2113) (-)
Ion 58.05 (57.75 to 58.75): VV013218.D (-2113) (-)
Ion 57.20 (56.90 to 57.90): VV013218.D (-2113) (-)
Ion 100.15 (99.85 to 100.85): VV013218.D (-2113) (-)

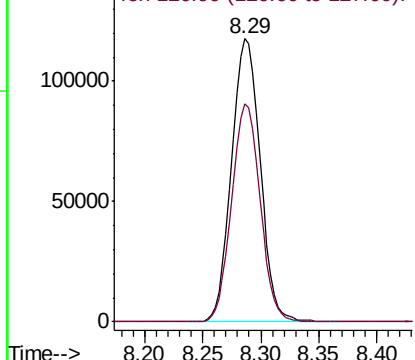
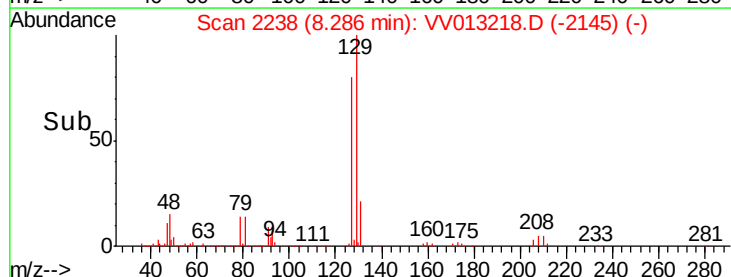


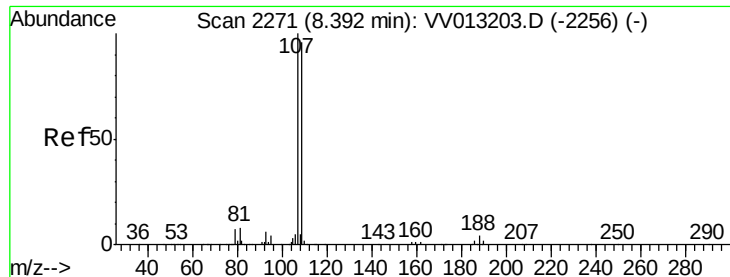
#49
Dibromochloromethane
Concen: 5.047 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Tgt Ion:	129	Resp:	201258
Ion	Ratio	Lower	Upper
129	100		
127	77.0	53.2	98.8



Abundance Ion 128.95 (128.65 to 129.65): VV013218.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013218.D (-2145) (-)

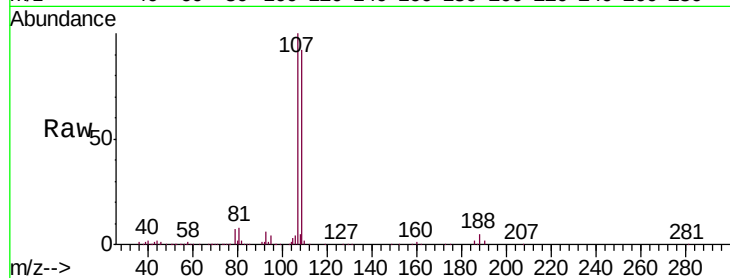




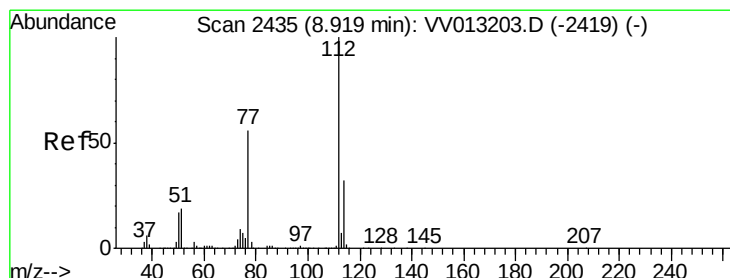
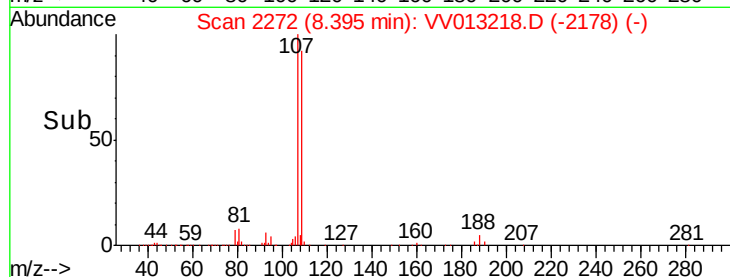
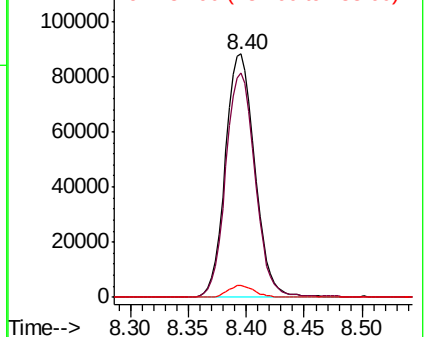
#50
1,2-Dibromoethane
Concen: 5.173 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	67.3	124.9
188	4.8	3.3	4.9

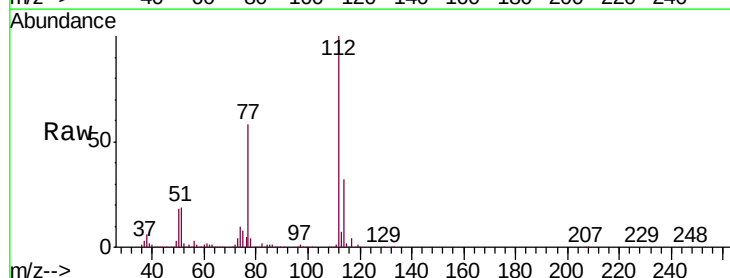


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

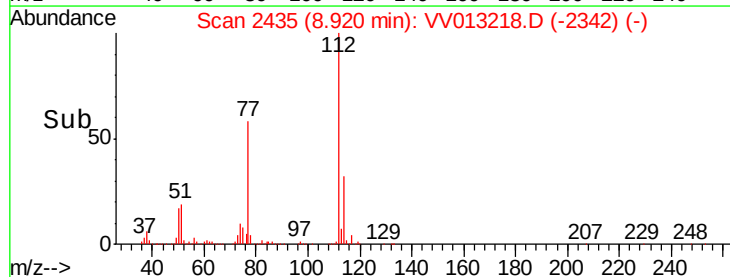
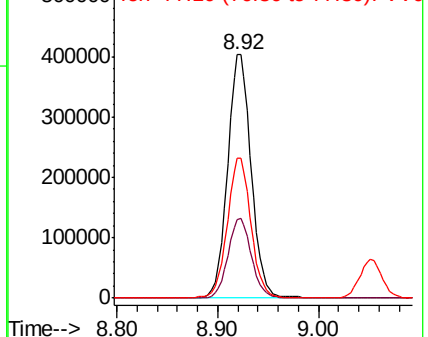


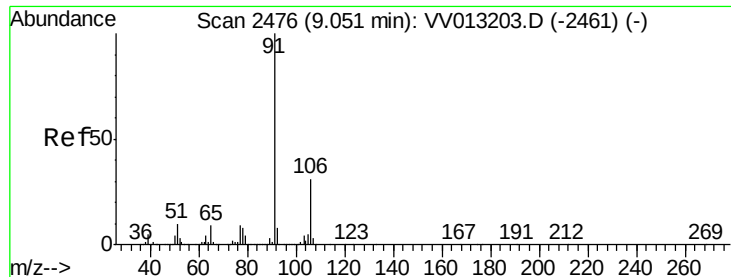
#51
Chlorobenzene
Concen: 5.050 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013218.D
Acq: 18 Oct 2019 22:24

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.6	42.0
77	57.6	47.5	71.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.184 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

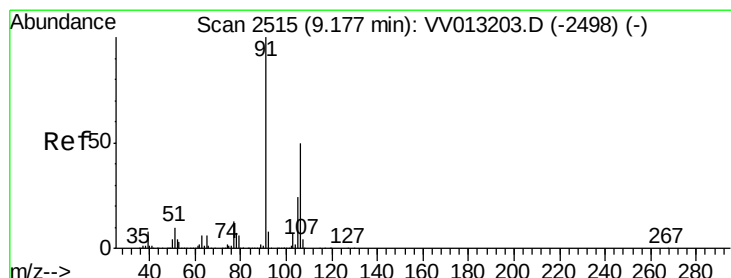
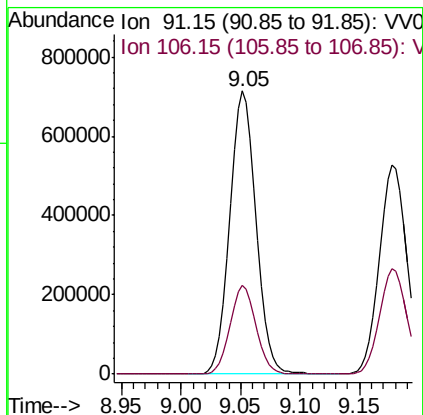
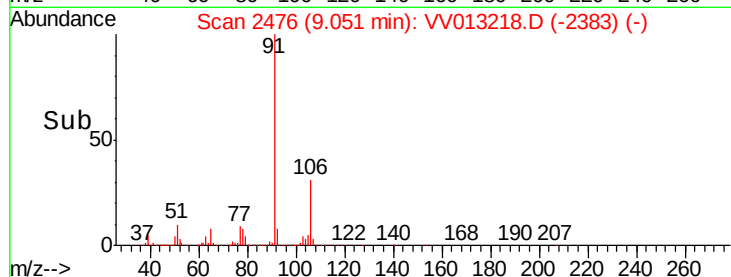
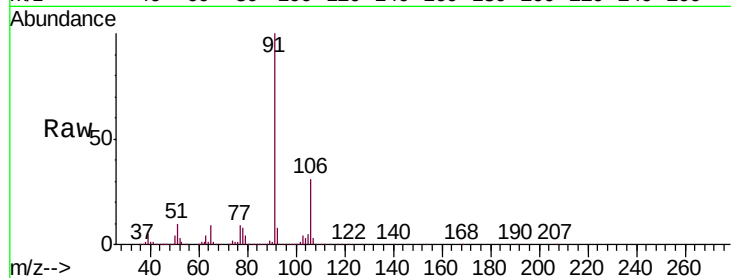
VSTD00547

Tgt Ion: 91 Resp: 1093777

Ion Ratio Lower Upper

91 100

106 31.2 22.0 40.8



#53

m,p-xylene

Concen: 5.341 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV013218.D

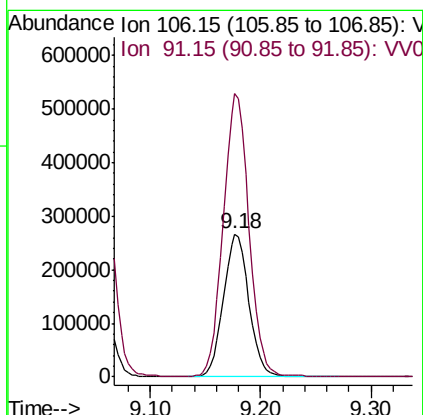
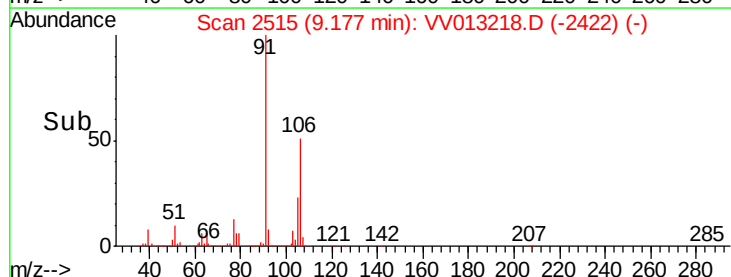
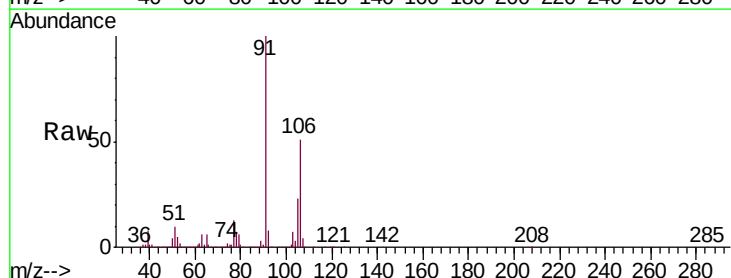
Acq: 18 Oct 2019 22:24

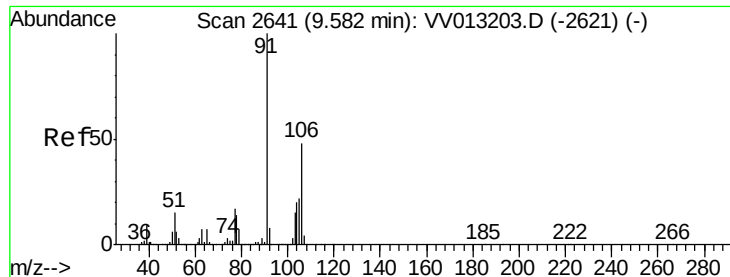
Tgt Ion: 106 Resp: 424929

Ion Ratio Lower Upper

106 100

91 198.0 141.3 262.5





#54

o-xylene

Concen: 5.269 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

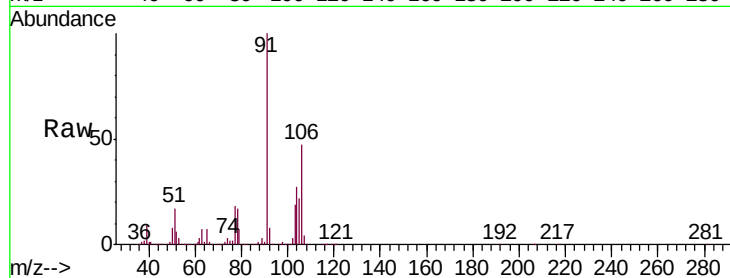
VSTD00547

Tgt Ion:106 Resp: 407556

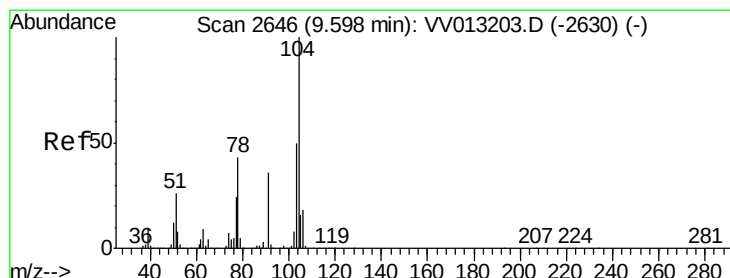
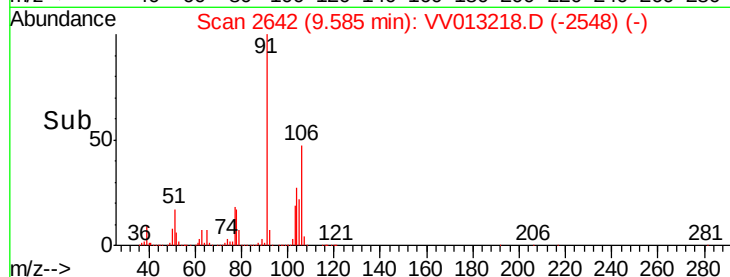
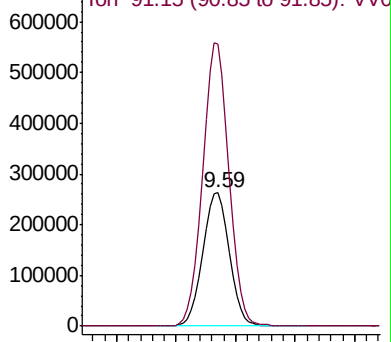
Ion Ratio Lower Upper

106 100

91 211.6 145.3 269.9



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 5.480 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013218.D

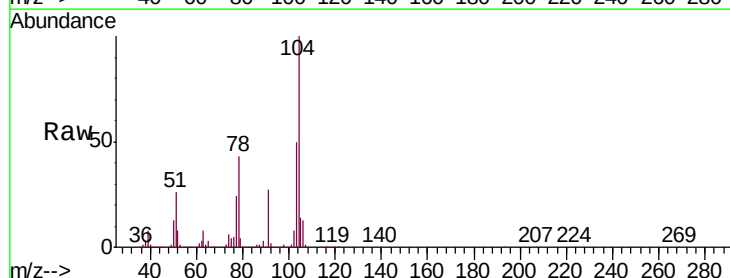
Acq: 18 Oct 2019 22:24

Tgt Ion:104 Resp: 706499

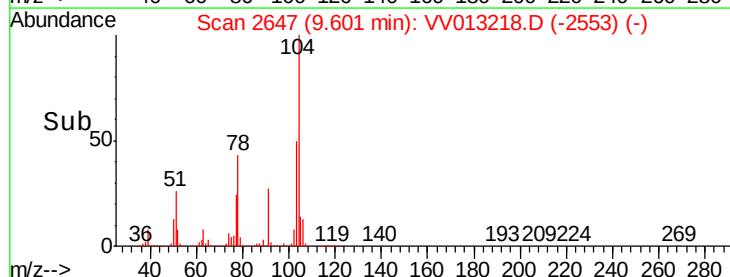
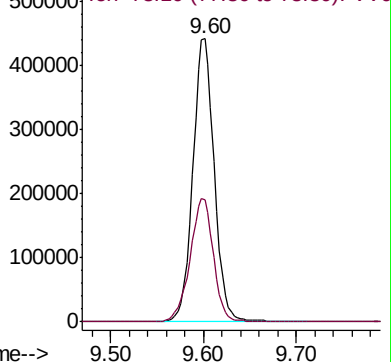
Ion Ratio Lower Upper

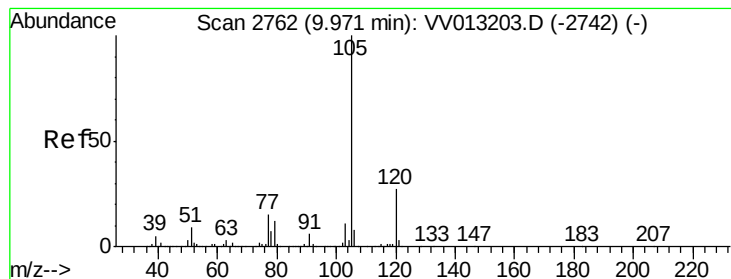
104 100

78 43.0 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 5.239 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

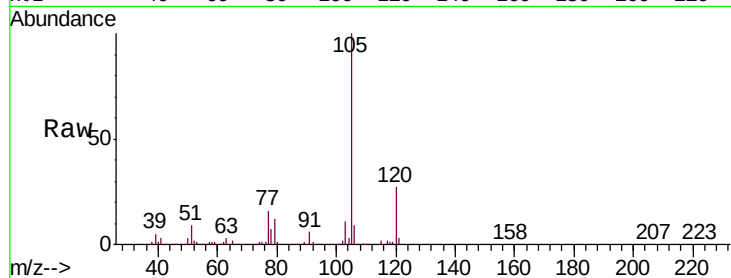
Tgt Ion:105 Resp: 1065712

Ion Ratio Lower Upper

105 100

120 26.8 21.0 31.6

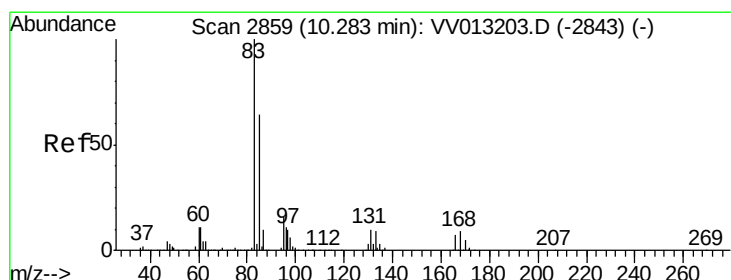
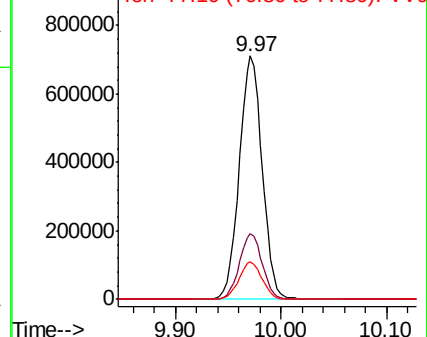
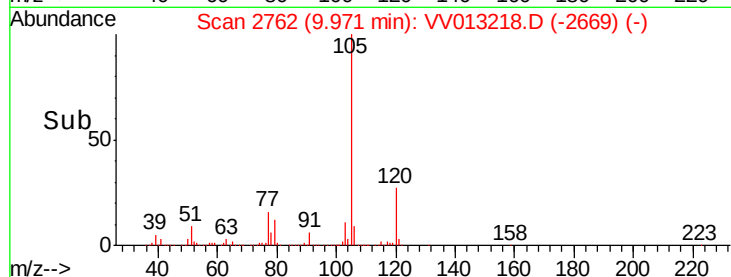
77 15.5 12.4 18.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.015 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

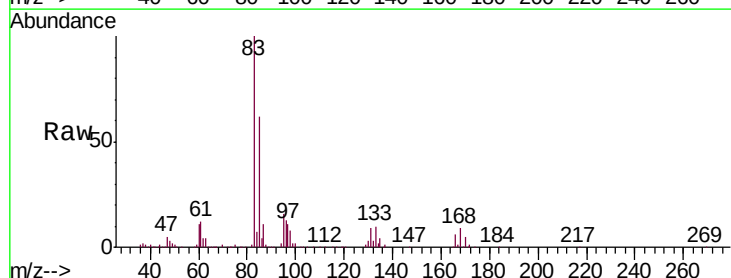
Tgt Ion: 83 Resp: 194621

Ion Ratio Lower Upper

83 100

85 62.2 44.6 82.8

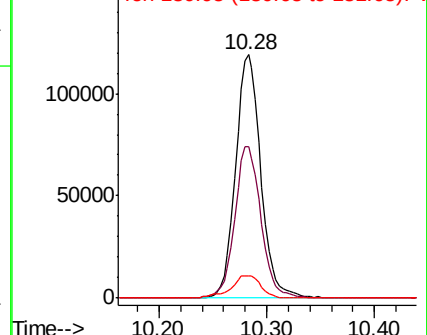
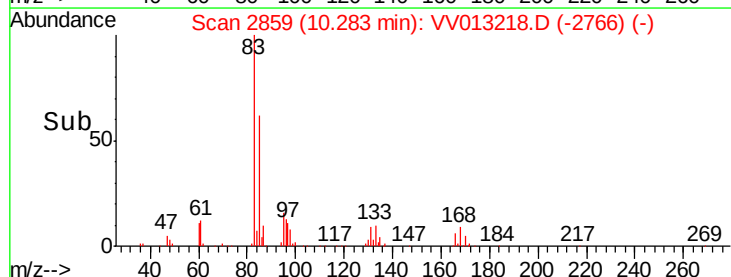
131 9.4 8.3 12.5

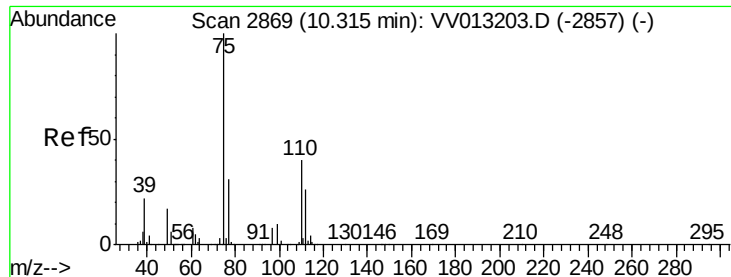


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

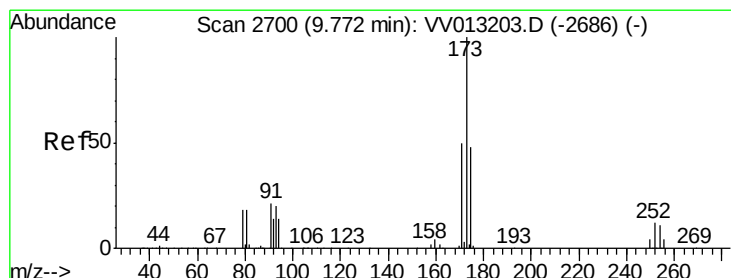
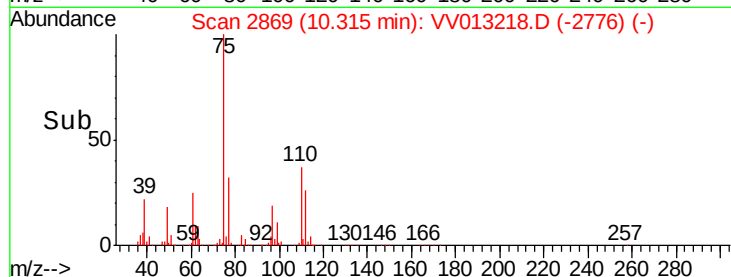
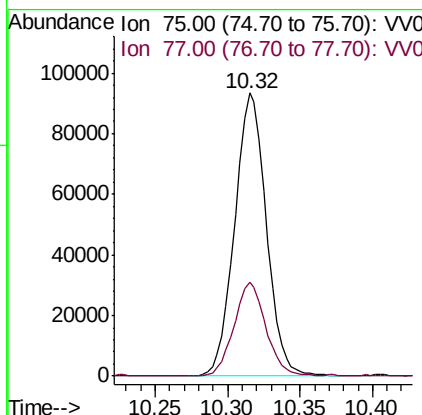
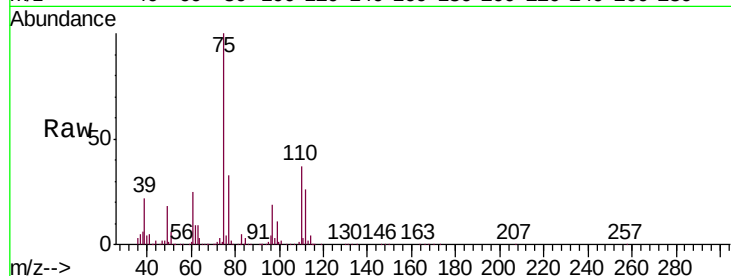




#59
 1,2,3-Trichloropropane
 Concen: 5.057 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

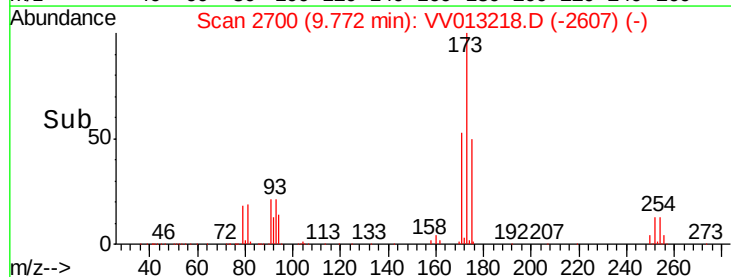
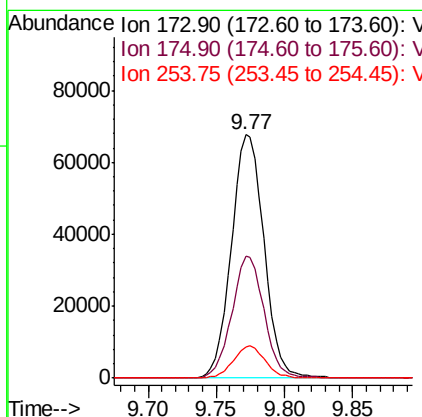
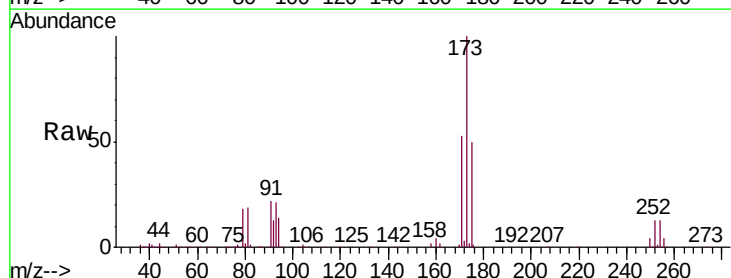
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

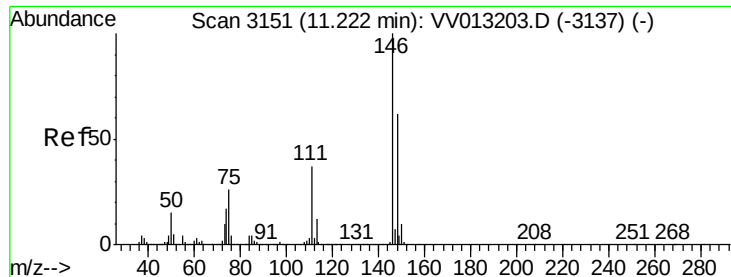
Tgt Ion: 75 Resp: 141979
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.0 39.0



#61
 Bromoform
 Concen: 4.559 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion: 173 Resp: 112337
 Ion Ratio Lower Upper
 173 100
 175 49.5 39.1 58.7
 254 12.9 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 5.013 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

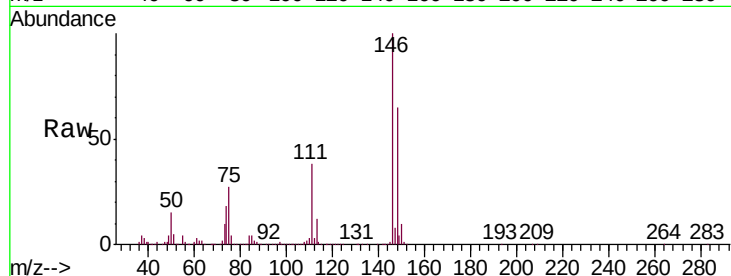
Tgt Ion:146 Resp: 544124

Ion Ratio Lower Upper

146 100

111 38.4 27.1 50.3

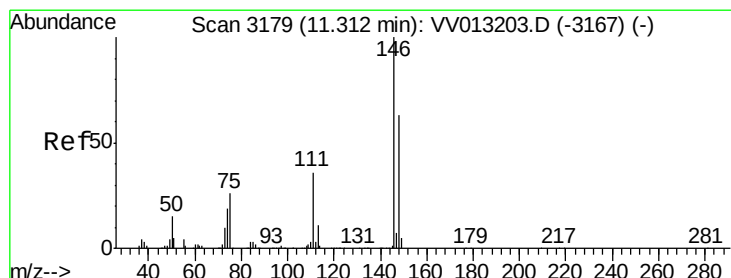
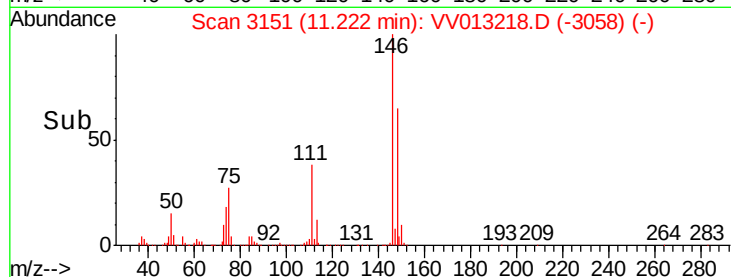
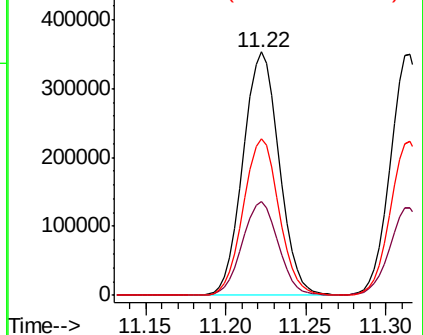
148 64.6 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.010 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

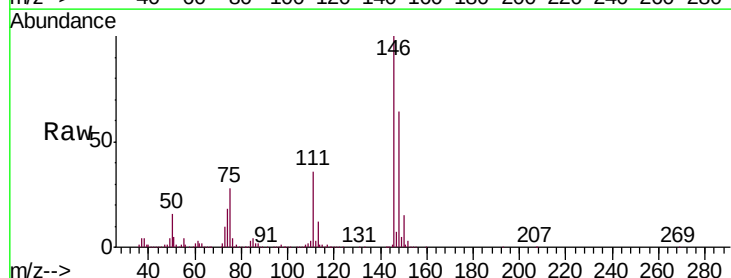
Tgt Ion:146 Resp: 541887

Ion Ratio Lower Upper

146 100

111 36.4 25.7 47.7

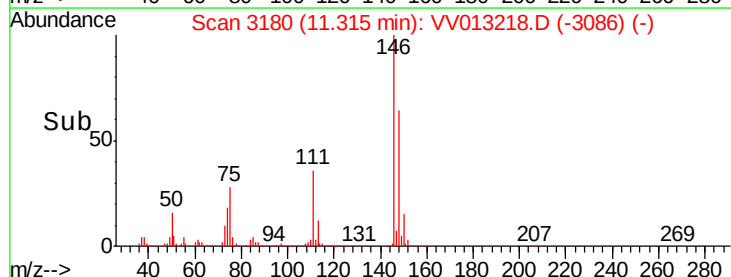
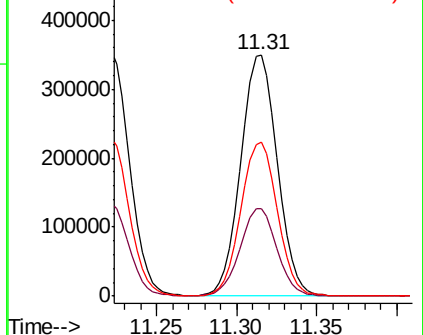
148 63.9 44.4 82.5

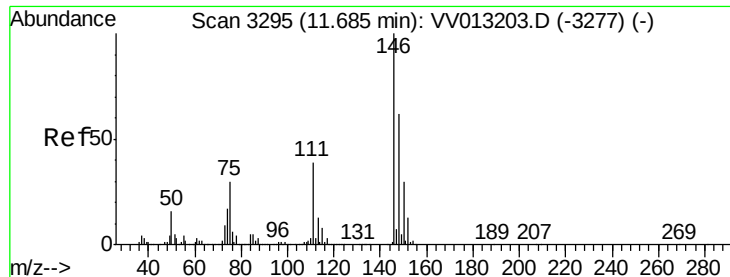


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

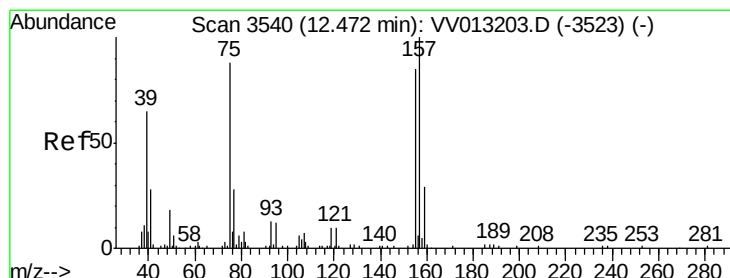
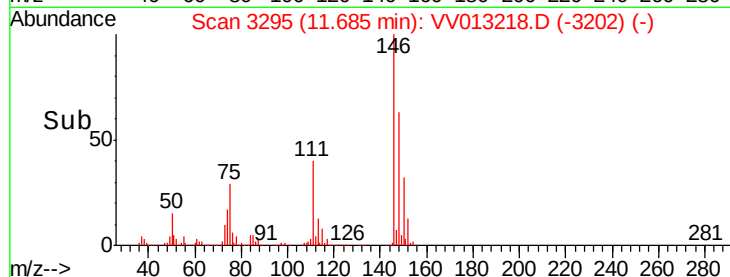
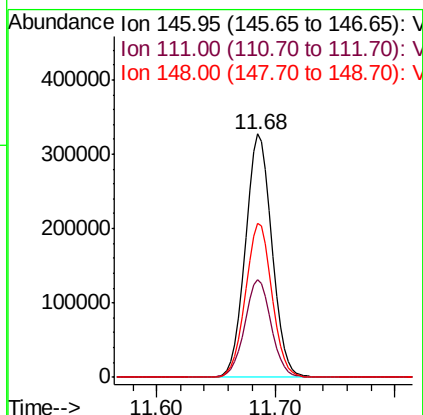
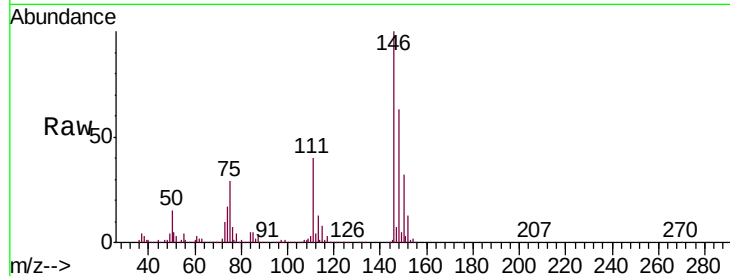




#65
 1,2-Dichlorobenzene
 Concen: 4.909 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

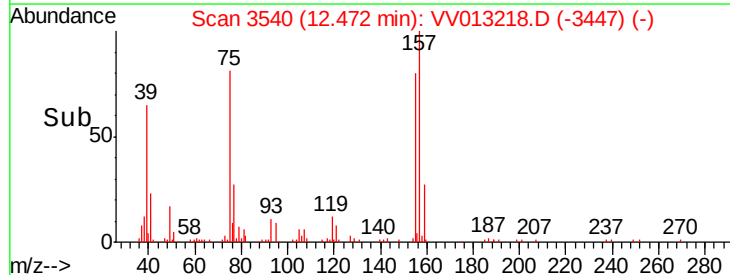
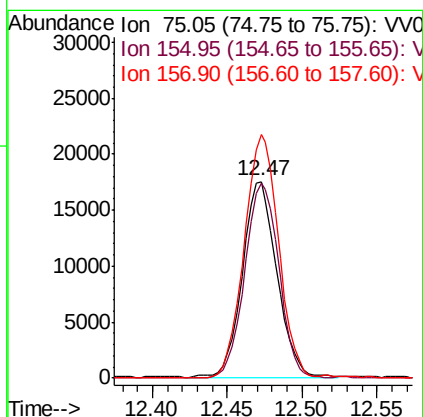
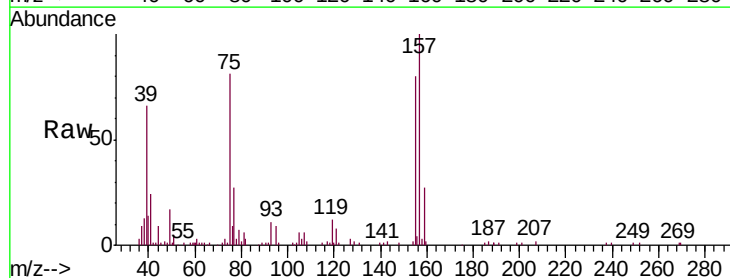
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

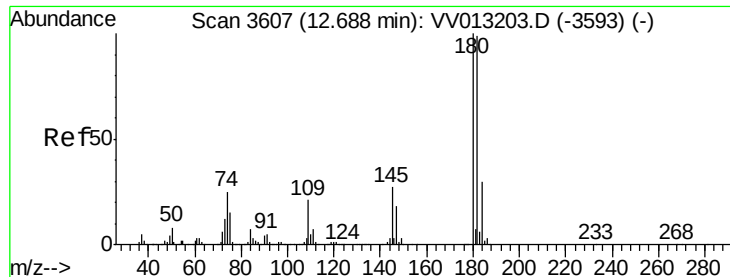
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	31.9	47.9
148	63.4	51.4	77.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.380 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	71.9	107.9
157	124.0	97.3	145.9

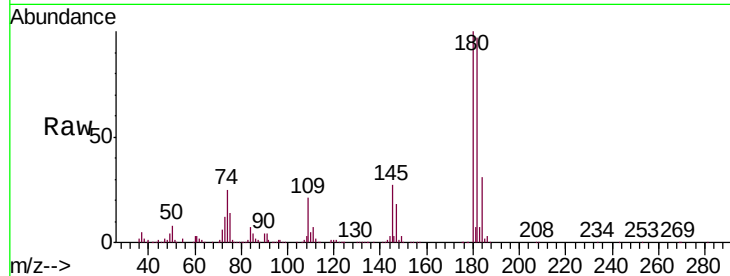




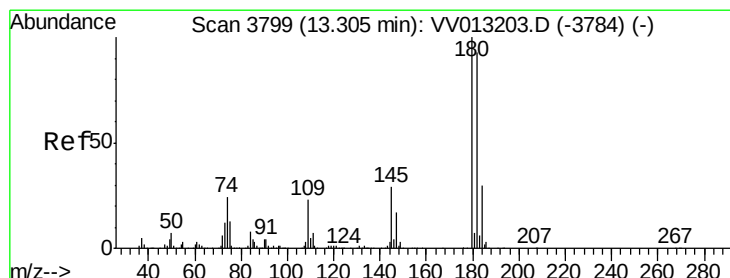
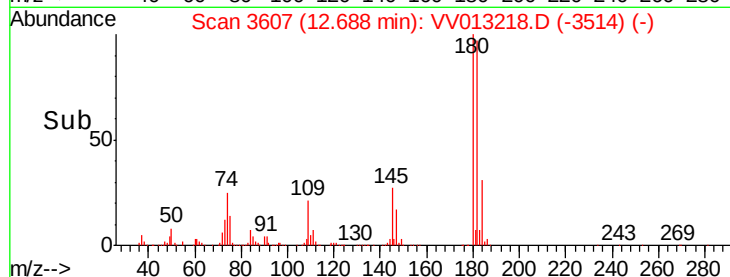
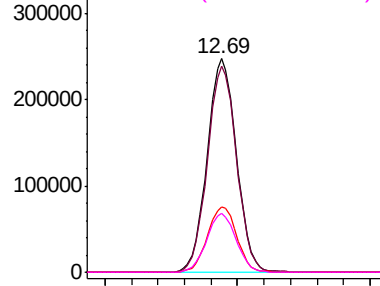
#67
 1,3,5-Trichlorobenzene
 Concen: 4.748 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	180	Resp:	378103
Ion	Ratio	Lower	Upper
180	100		
182	96.1	75.8	113.6
184	30.8	24.2	36.4
145	27.7	22.1	33.1

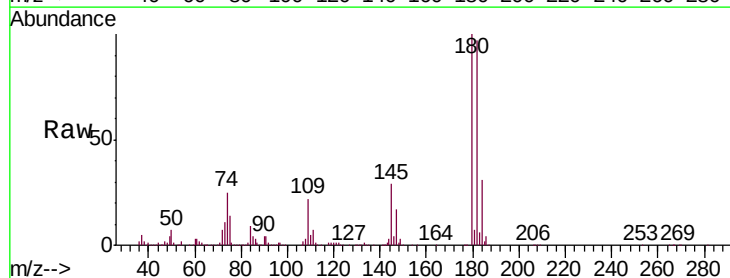


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

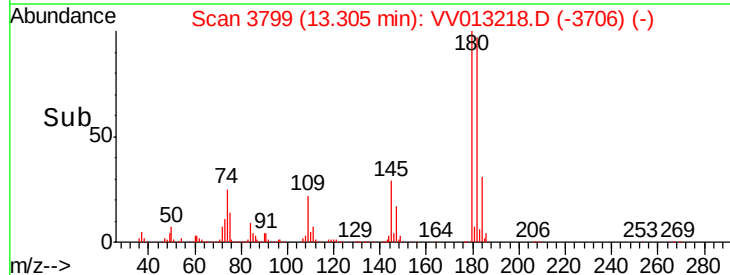
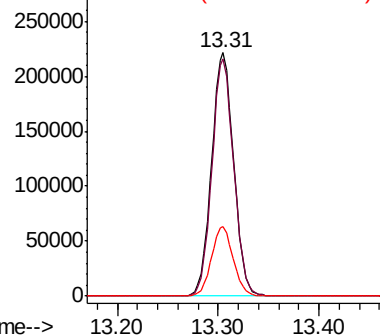


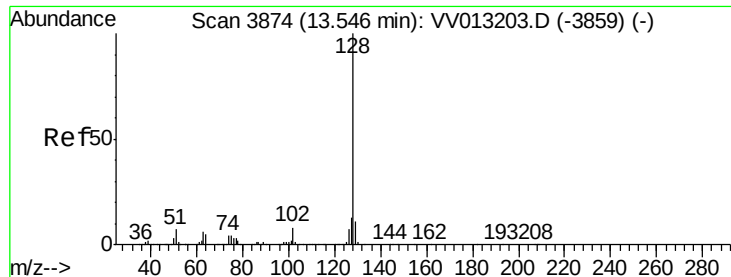
#68
 1,2,4-trichlorobenzene
 Concen: 4.829 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013218.D
 Acq: 18 Oct 2019 22:24

Tgt Ion:	180	Resp:	335341
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.9	113.9
145	28.2	22.4	33.6



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: 4.603 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

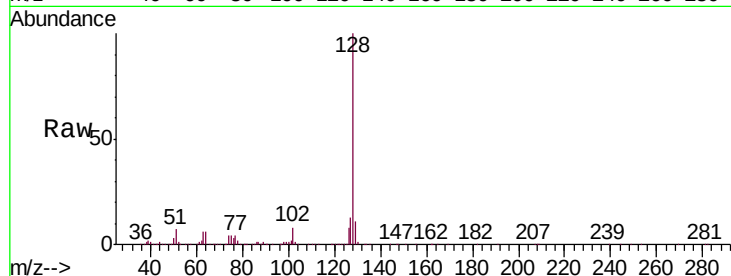
Tgt Ion:128 Resp: 493372

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

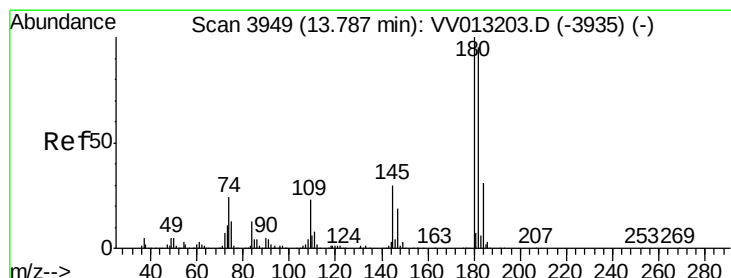
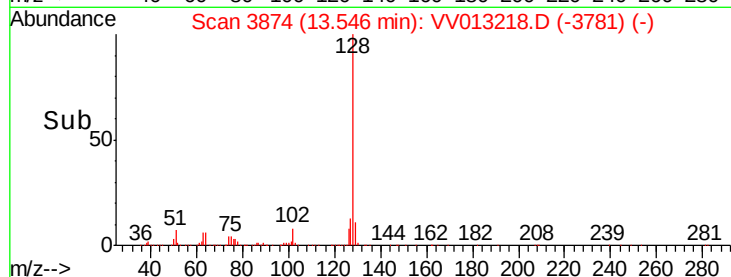
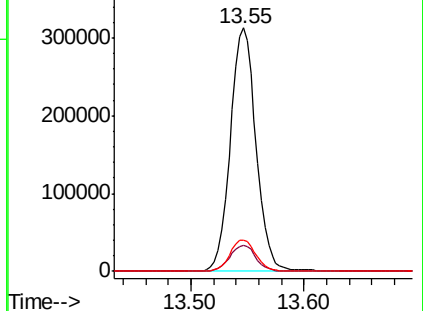
127 13.0 10.4 15.6



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: 4.736 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013218.D

Acq: 18 Oct 2019 22:24

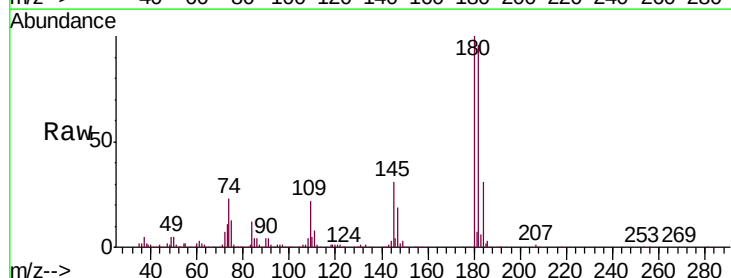
Tgt Ion:180 Resp: 325598

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 30.1 23.8 35.6



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

