

Data File : VV014244.D
Acq On : 31 Dec 2019 17:28
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Jan 01 03:07:51 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR122719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jan 01 03:03:23 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	842548	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	757518	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	349643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	171170	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	153182	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	322033	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.94	46	554993	56.62	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.24%
24) Chloroform-d	4.40	84	462488	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.08	65	247516	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.09	84	964650	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	6.11	67	312127	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.35	98	862734	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.66	79	130673	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.13	63	598392	56.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.58%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	224224	5.02	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	288586	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	249674	3.908 ug/L	98
3) Chloromethane	1.25	50	277640	4.795 ug/L	99
5) Vinyl chloride	1.32	62	262729	4.779 ug/L	100
6) Bromomethane	1.53	94	122152	4.797 ug/L	99
8) Chloroethane	1.60	64	146338	4.995 ug/L	97
9) Trichlorofluoromethane	1.77	101	318094	4.504 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	159312	4.179 ug/L	98
12) 1,1-Dichloroethene	2.14	96	168328	4.523 ug/L	91
13) Acetone	2.21	43	318307	52.648 ug/L	93
14) Carbon disulfide	2.32	76	697988	4.285 ug/L	99
15) Methyl Acetate	2.47	43	113741	5.681 ug/L #	89
16) Methylene chloride	2.53	84	274223	4.371 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	674431	4.893 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	256810	4.417 ug/L	95
19) 1,1-Dichloroethane	3.23	63	519106	4.815 ug/L	98
21) 2-Butanone	4.03	43	599281	53.374 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	302030	4.768 ug/L #	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	112136	4.554	ug/L	90
25) Chloroform	4.42	83	549553	5.028	ug/L	99
27) 1,2-Dichloroethane	5.18	62	302478	4.942	ug/L #	93
29) 1,1,1-Trichloroethane	4.66	97	423756	4.609	ug/L	98
30) Cyclohexane	4.72	56	425910	4.236	ug/L	97
31) Carbon tetrachloride	4.87	117	343817	4.380	ug/L	98
33) Benzene	5.14	78	1099780	4.693	ug/L	100
34) Trichloroethene	5.96	95	292436	4.659	ug/L	98
35) Methylcyclohexane	6.17	83	420544	4.021	ug/L	98
37) 1,2-Dichloropropane	6.22	63	278691	4.896	ug/L	99
38) Bromodichloromethane	6.55	83	365272	4.809	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	454427	4.879	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	1849995	52.254	ug/L	99
42) Toluene	7.43	91	1145508	4.451	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	350674	4.814	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	192732	4.965	ug/L	96
47) Tetrachloroethene	8.01	164	181224	4.130	ug/L	98
48) 2-Hexanone	8.18	43	1303469	53.238	ug/L	99
49) Dibromochloromethane	8.29	129	229646	4.639	ug/L	95
50) 1,2-Dibromoethane	8.39	107	178234	4.777	ug/L	92
51) Chlorobenzene	8.92	112	700155	4.399	ug/L	99
52) Ethylbenzene	9.05	91	1255262	4.393	ug/L	99
53) m,p-xylene	9.18	106	458839	4.273	ug/L	98
54) o-xylene	9.58	106	460817	4.394	ug/L	95
55) Styrene	9.60	104	773924	4.397	ug/L	96
56) Isopropylbenzene	9.97	105	1175082	4.273	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	220571	4.713	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	174016	5.002	ug/L	99
61) Bromoform	9.77	173	116578	4.568	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	506781	4.379	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	500500	4.326	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	468154	4.413	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	39343	4.503	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	352334	4.181	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	309087	4.182	ug/L	98
69) Naphthalene	13.55	128	573552	4.261	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	278639	4.318	ug/L	99

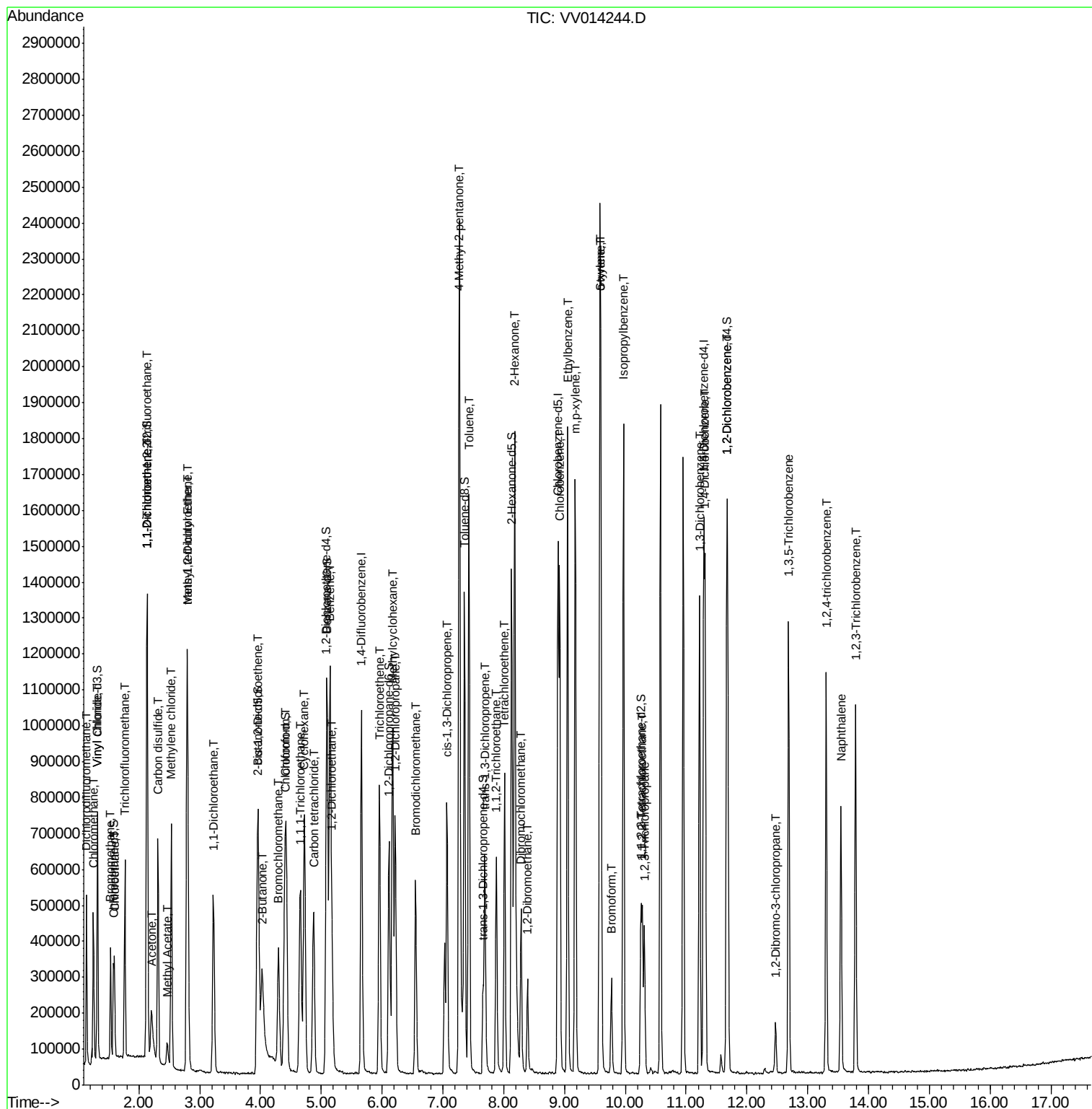
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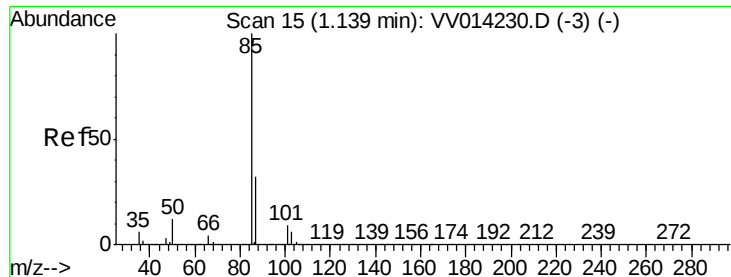
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#2

Dichlorodifluoromethane

Concen: 3.908 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

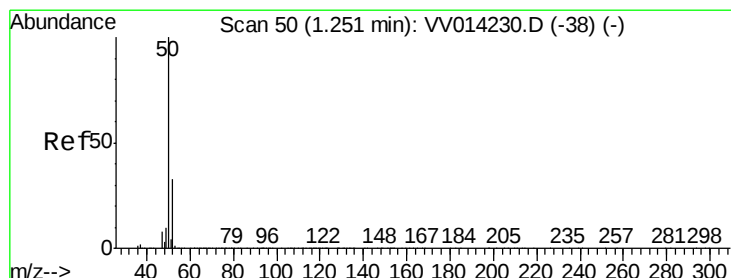
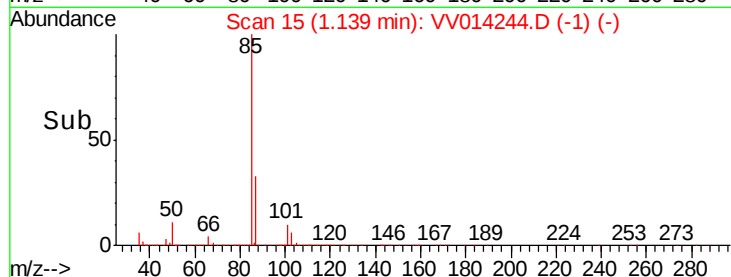
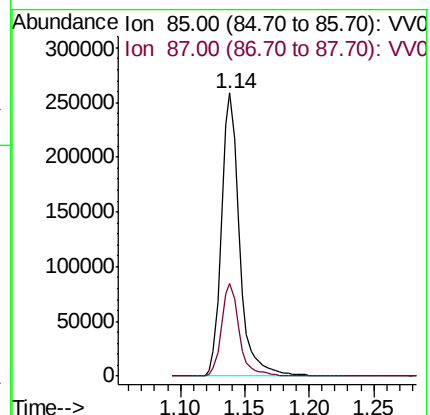
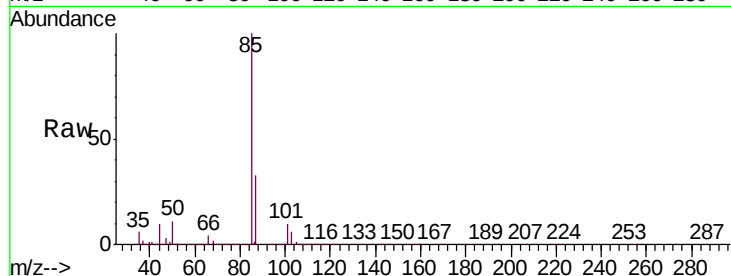
VSTD00547

Tgt Ion: 85 Resp: 249674

Ion Ratio Lower Upper

85 100

87 32.5 25.1 37.7



#3

Chloromethane

Concen: 4.795 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV014244.D

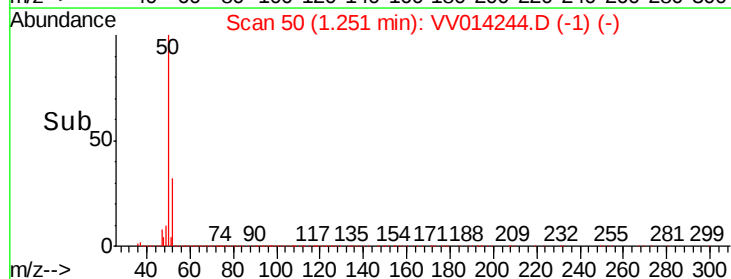
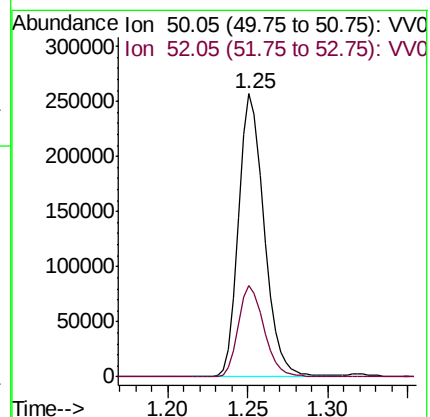
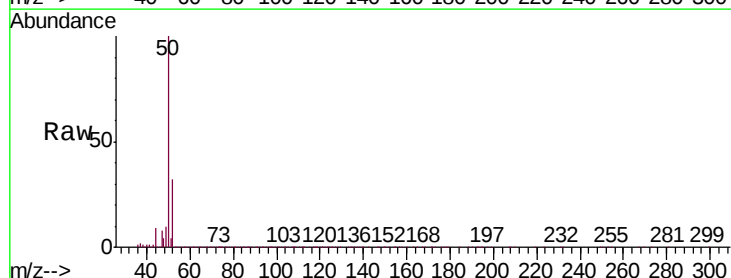
Acq: 31 Dec 2019 17:28

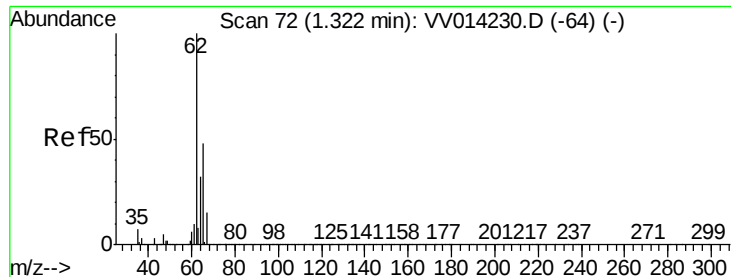
Tgt Ion: 50 Resp: 277640

Ion Ratio Lower Upper

50 100

52 32.4 22.3 41.3





#5

Vinyl chloride

Concen: 4.779 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

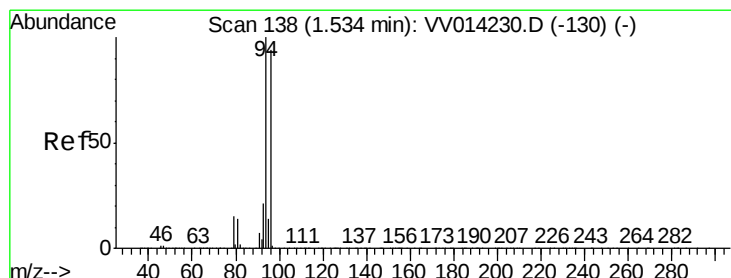
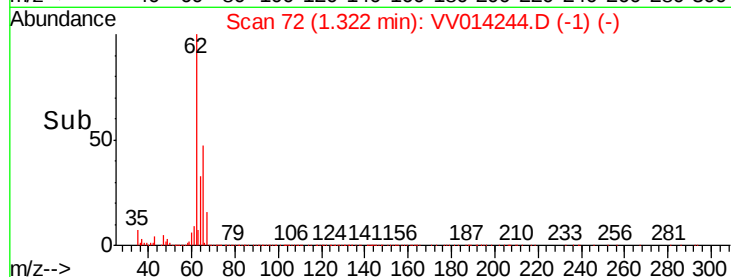
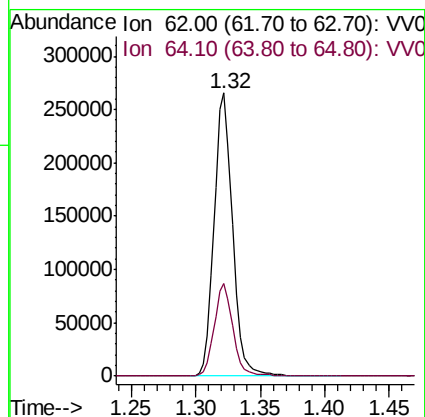
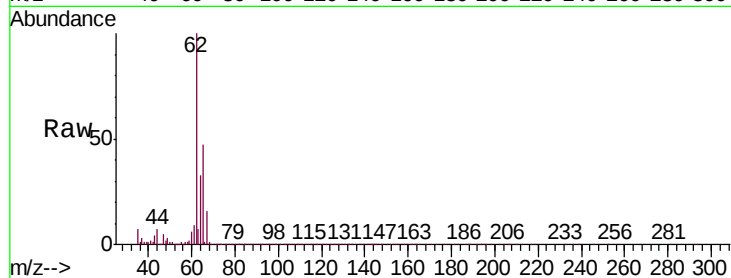
VSTD00547

Tgt Ion: 62 Resp: 262729

Ion Ratio Lower Upper

62 100

64 32.9 23.0 42.6



#6

Bromomethane

Concen: 4.797 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV014244.D

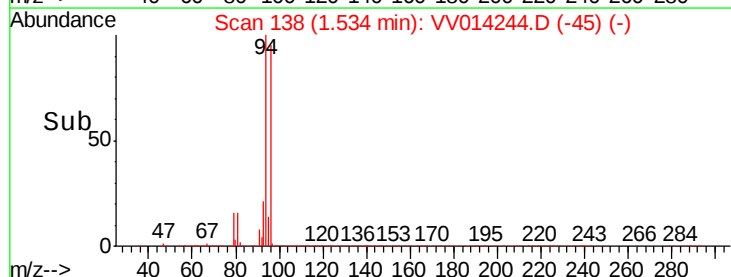
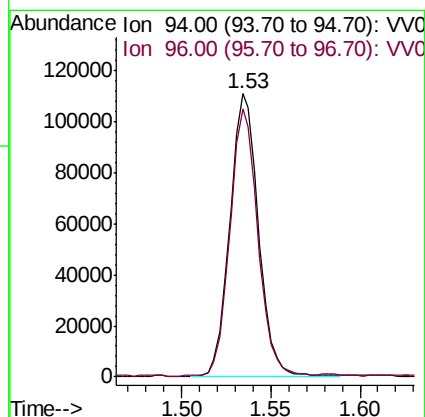
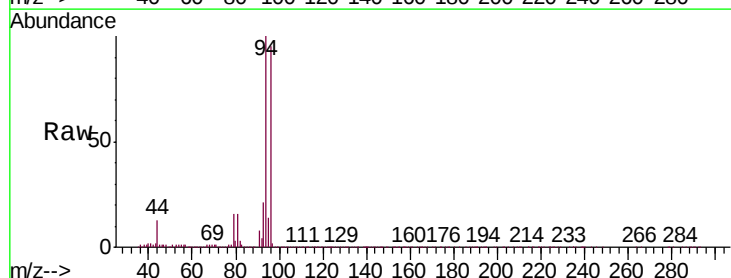
Acq: 31 Dec 2019 17:28

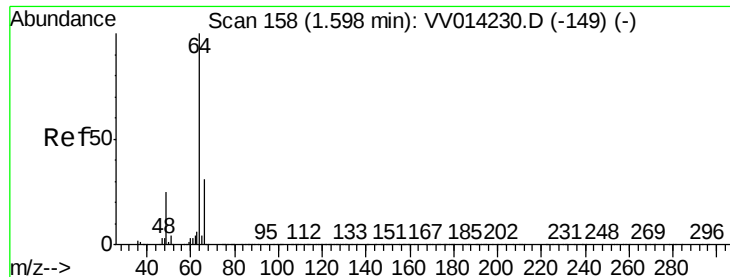
Tgt Ion: 94 Resp: 122152

Ion Ratio Lower Upper

94 100

96 94.9 66.9 124.3

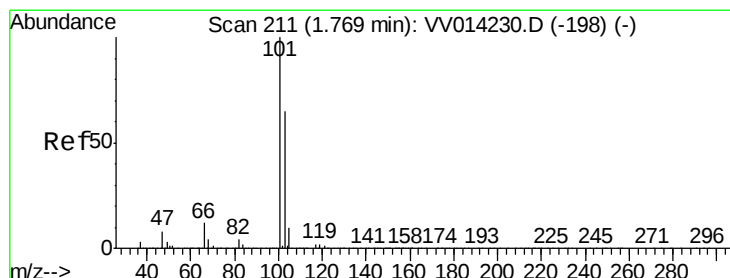
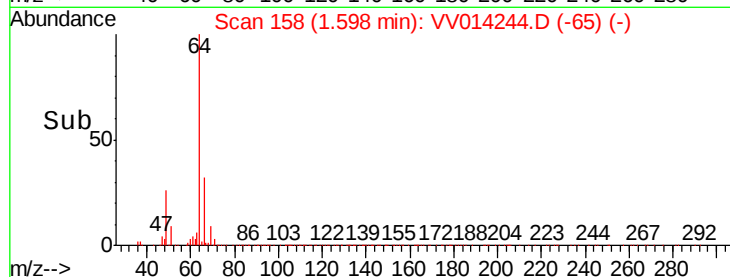
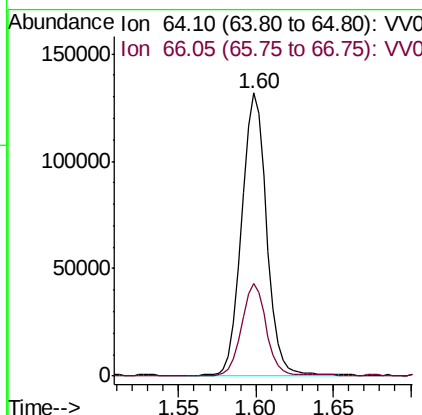
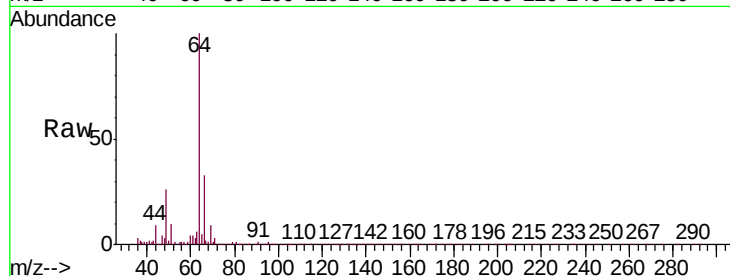




#8
Chloroethane
Concen: 4.995 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

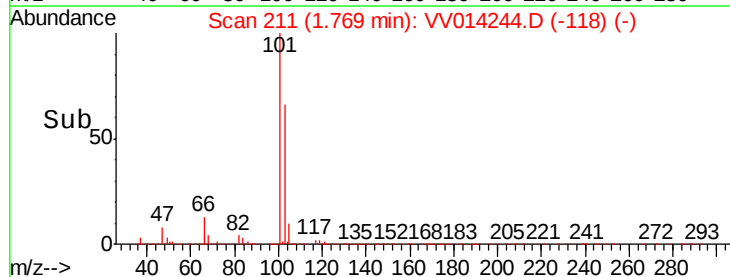
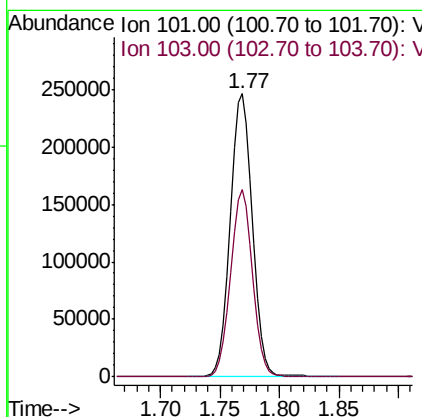
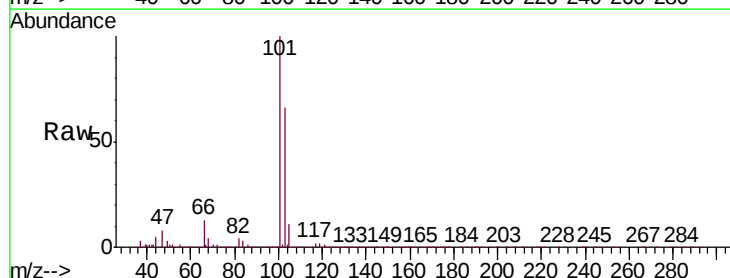
Instrument :
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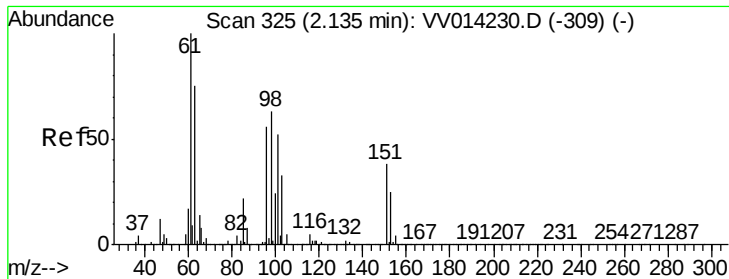
Tgt Ion: 64 Resp: 146338
Ion Ratio Lower Upper
64 100
66 32.6 21.8 40.6



#9
Trichlorofluoromethane
Concen: 4.504 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion: 101 Resp: 318094
Ion Ratio Lower Upper
101 100
103 64.8 52.6 78.8





#10

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

Concen: 4.179 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

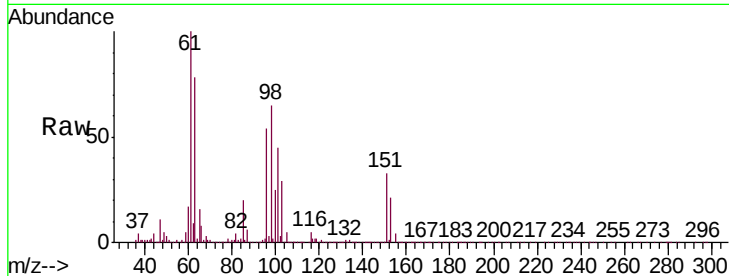
Tgt Ion: 101 Resp: 159312

Ion Ratio Lower Upper

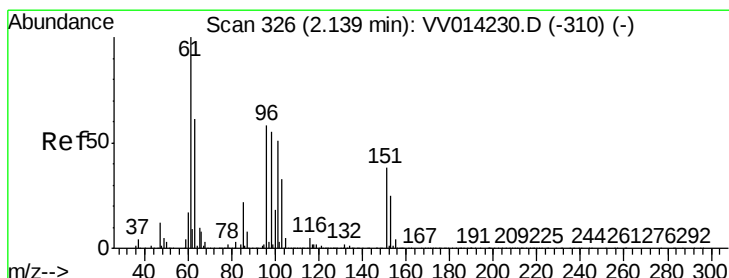
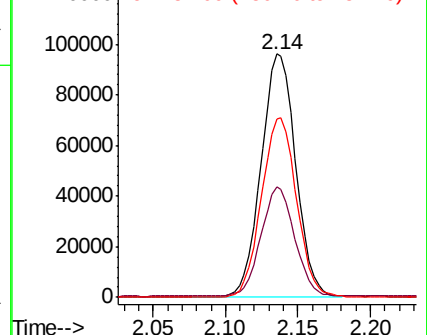
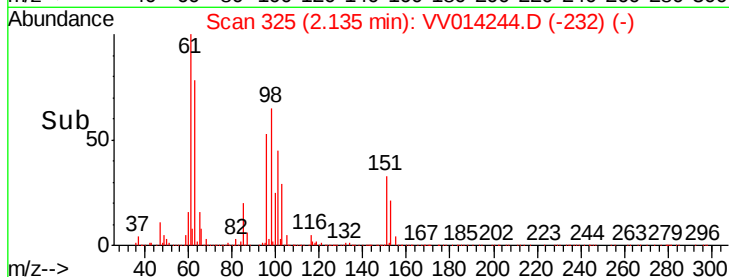
101 100

85 43.7 34.9 52.3

151 75.6 62.5 93.7



Abundance Ion 101.00 (100.70 to 101.70): VV014244.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.523 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

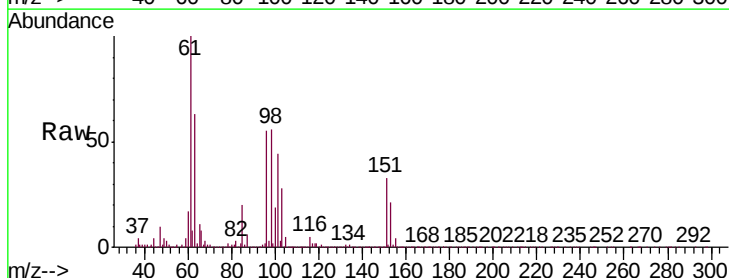
Tgt Ion: 96 Resp: 168328

Ion Ratio Lower Upper

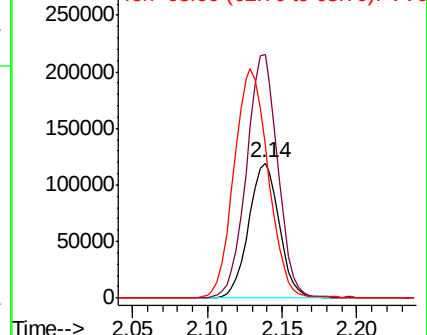
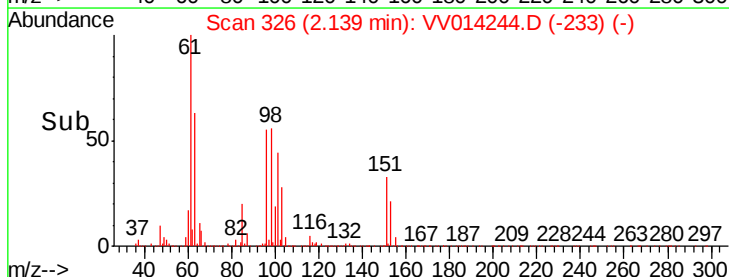
96 100

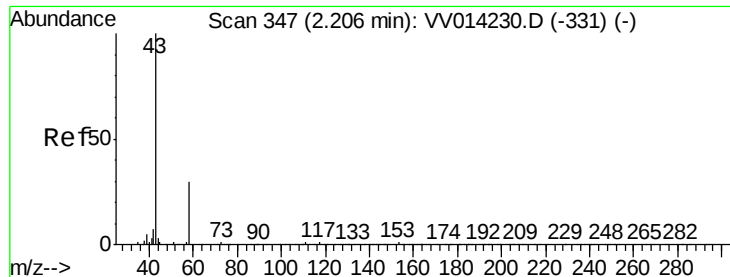
61 180.6 121.5 225.7

63 113.4 90.3 167.7



Abundance Ion 96.00 (95.70 to 96.70): VV014244.D (-233) (-)





#13

Acetone

Concen: 52.648 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV014244.D

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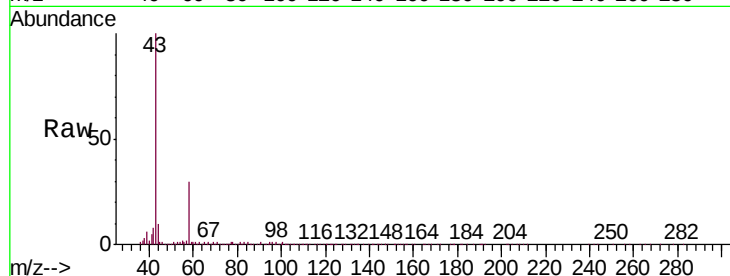
VSTD00547

Tgt Ion: 43 Resp: 318307

Ion Ratio Lower Upper

43 100

58 28.9 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

100000

80000

60000

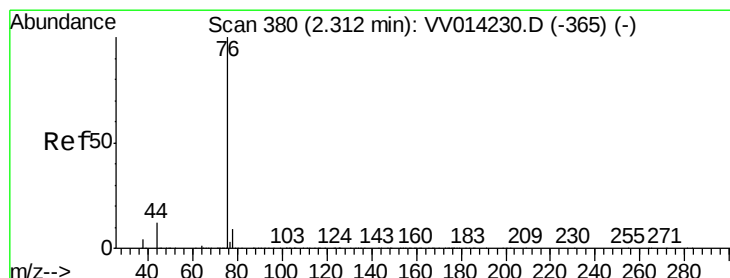
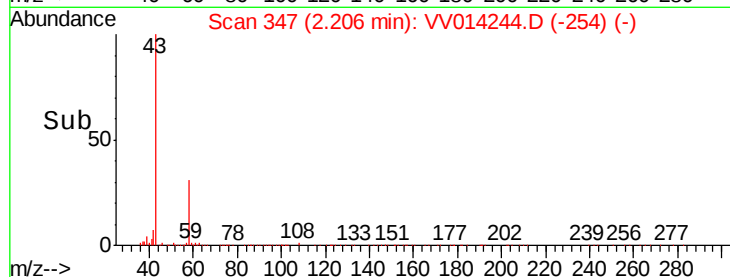
40000

20000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.285 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV014244.D

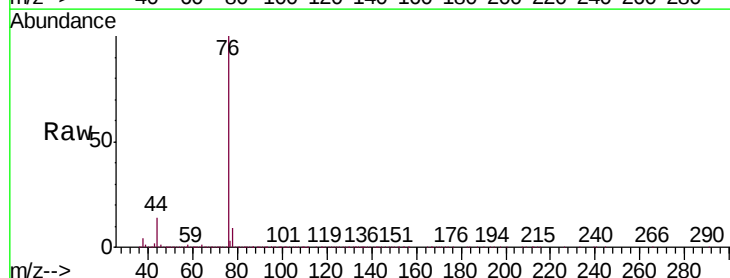
Acq: 31 Dec 2019 17:28

Tgt Ion: 76 Resp: 697988

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

500000

400000

300000

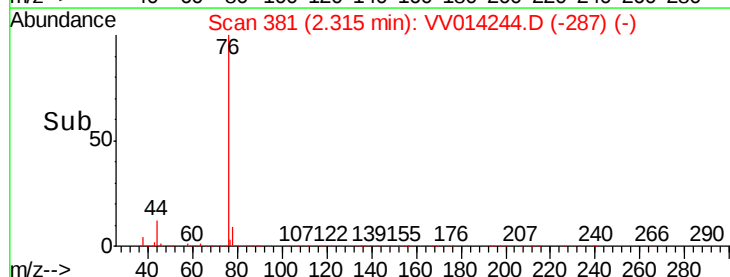
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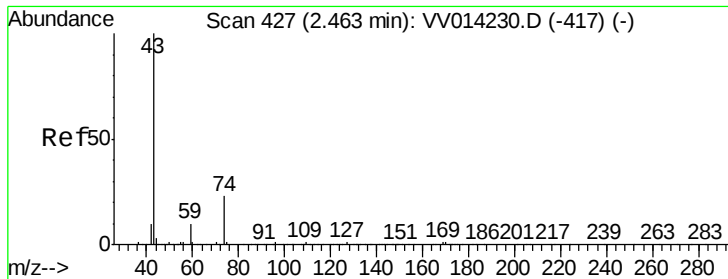
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Time-->

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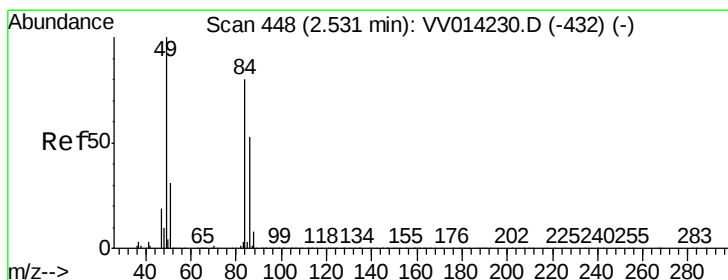
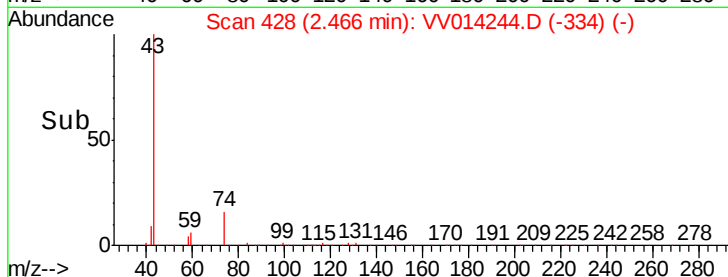
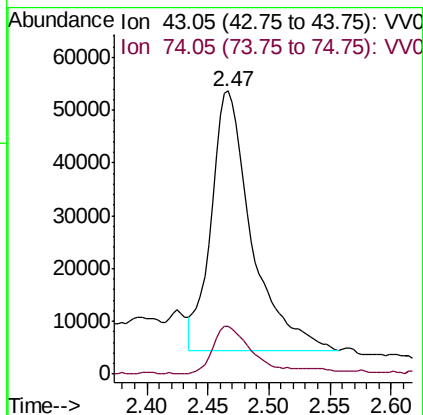
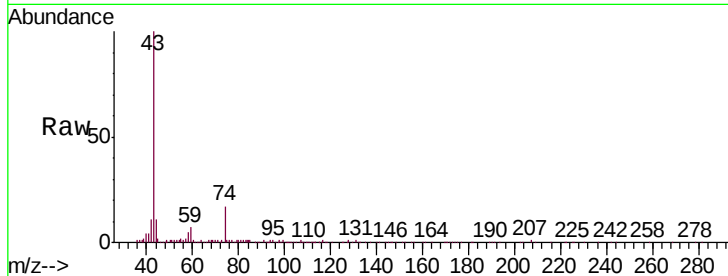




#15
Methyl Acetate
Concen: 5.681 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

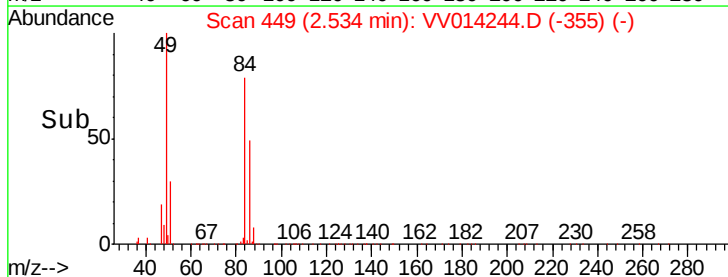
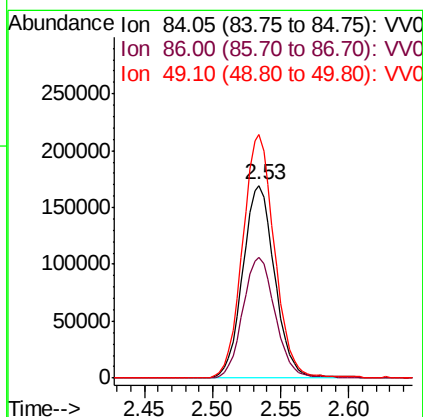
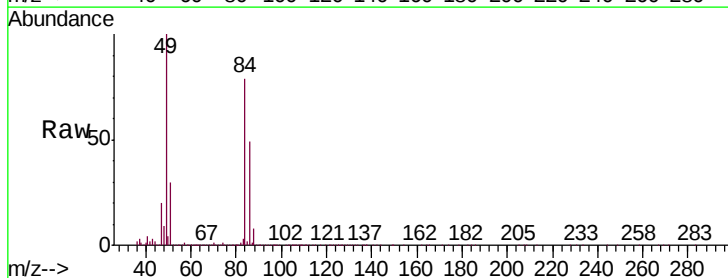
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

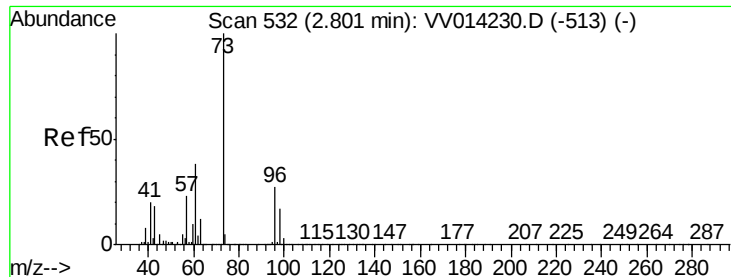
Tgt Ion: 43 Resp: 113741
Ion Ratio Lower Upper
43 100
74 18.1 18.6 28.0#



#16
Methylene chloride
Concen: 4.371 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion: 84 Resp: 274223
Ion Ratio Lower Upper
84 100
86 62.3 43.1 80.1
49 126.1 82.1 152.5

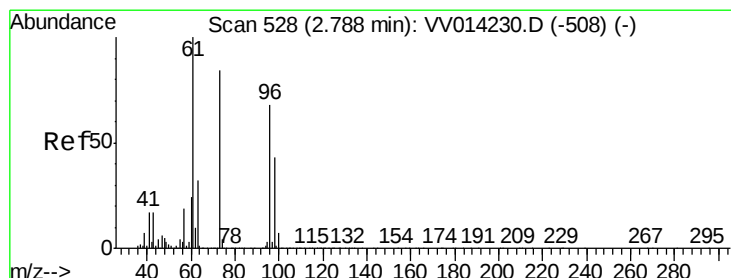
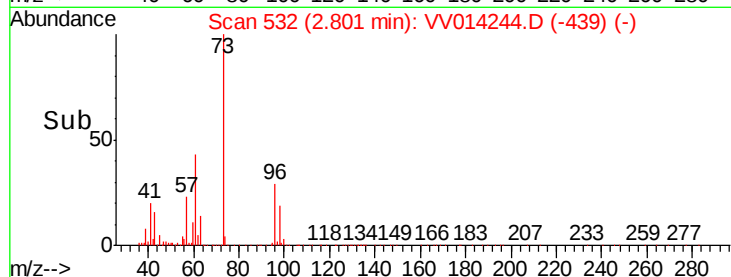
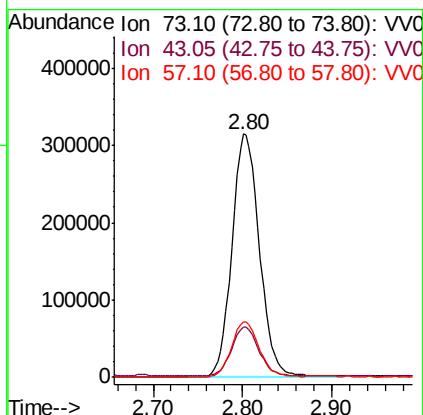
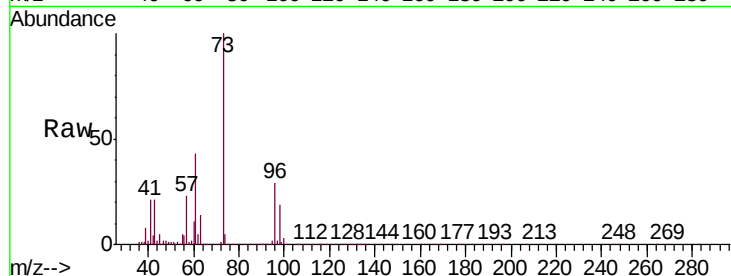




#17
Methyl tert-butyl Ether
Concen: 4.893 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

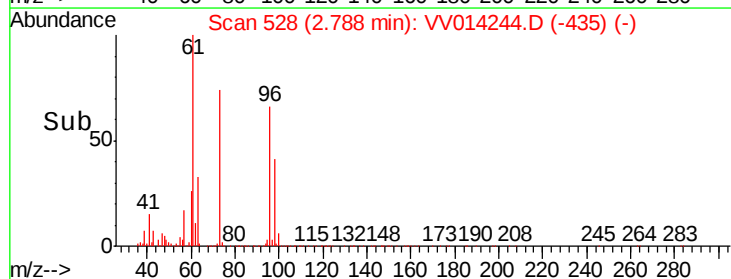
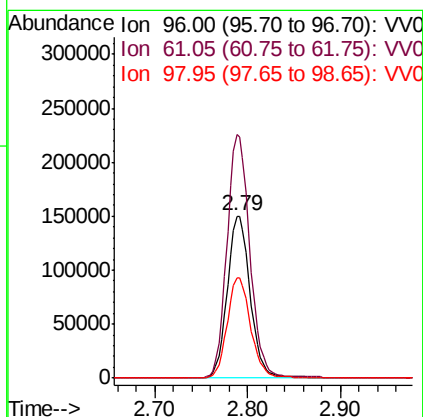
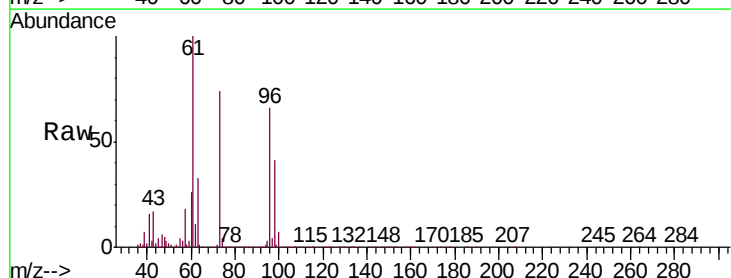
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

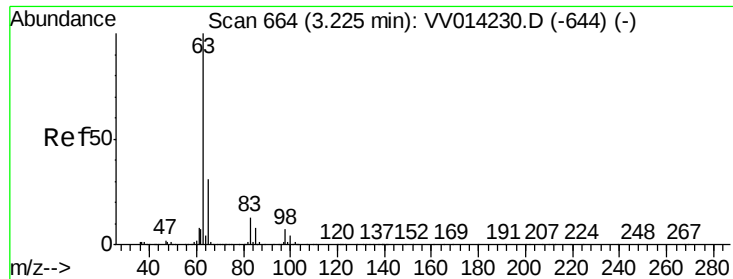
Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.5	14.7	22.1
57	22.5	17.9	26.9



#18
trans-1,2-Dichloroethene
Concen: 4.417 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.5	99.2	184.2
98	62.1	43.1	80.1

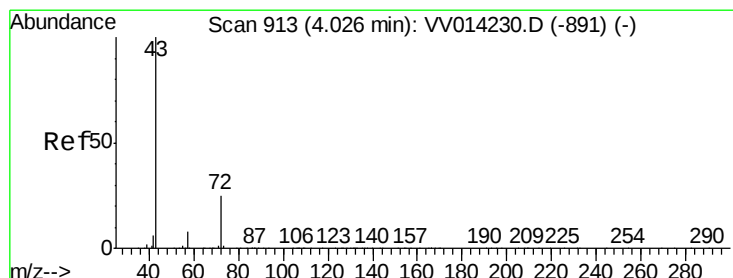
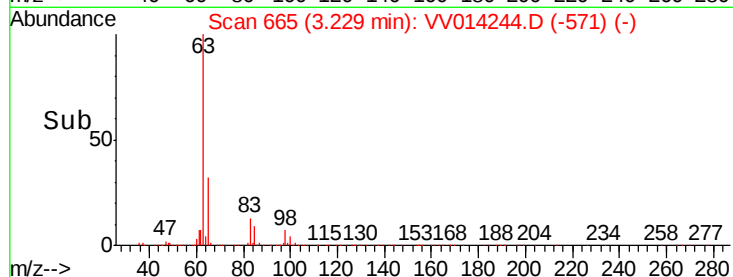
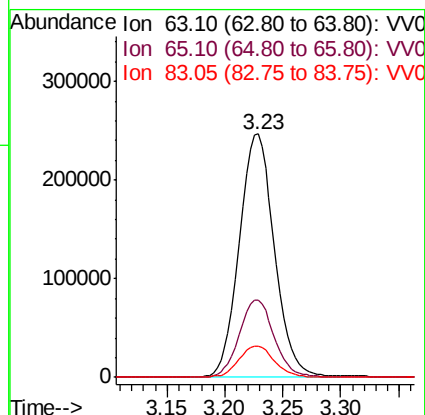
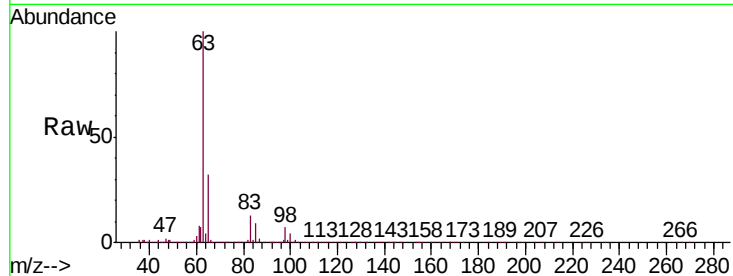




#19
 1,1-Dichloroethane
 Concen: 4.815 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

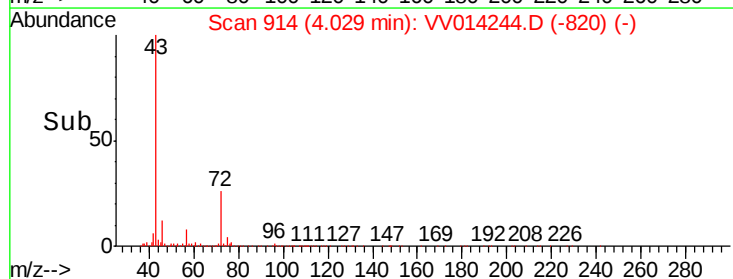
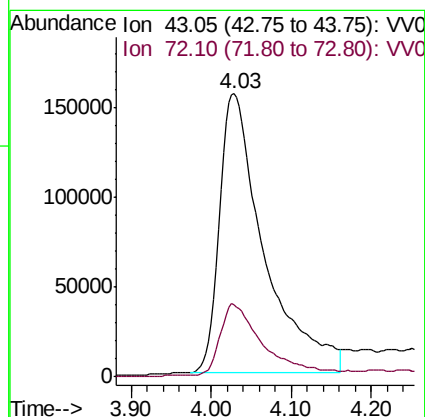
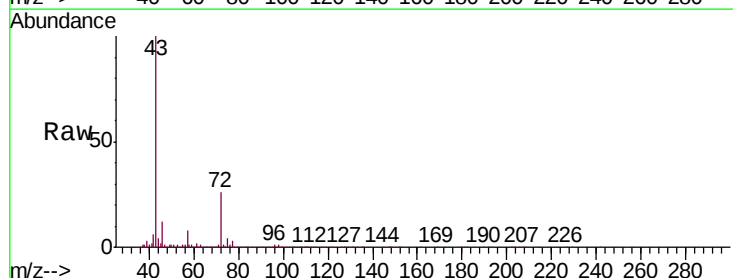
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

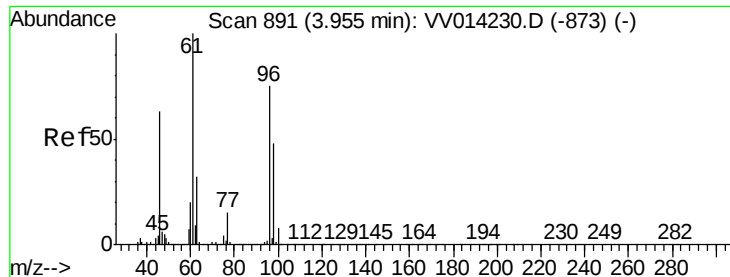
Tgt Ion:	63	Resp:	519106
Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.7	42.3
83	12.9	10.0	18.6



#21
 2-Butanone
 Concen: 53.374 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion:	43	Resp:	599281
Ion	Ratio	Lower	Upper
43	100		
72	23.8	12.4	37.2



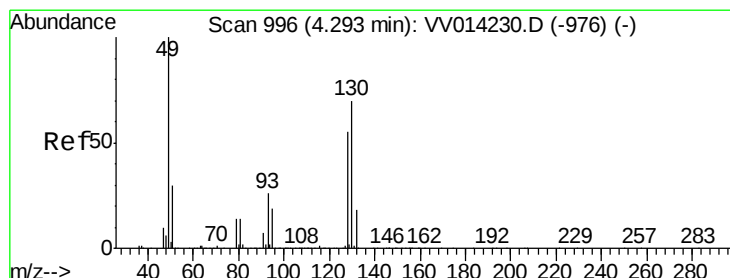
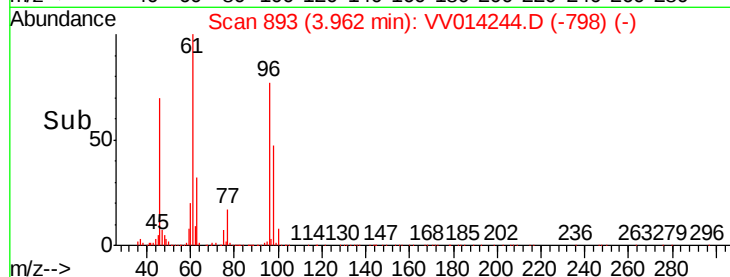
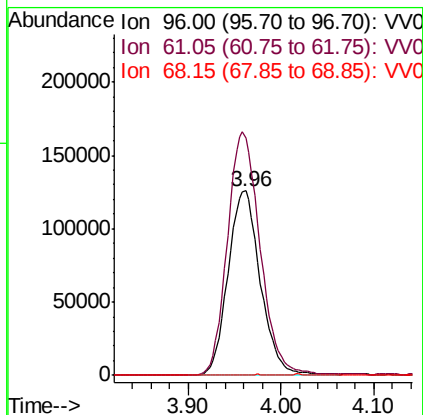
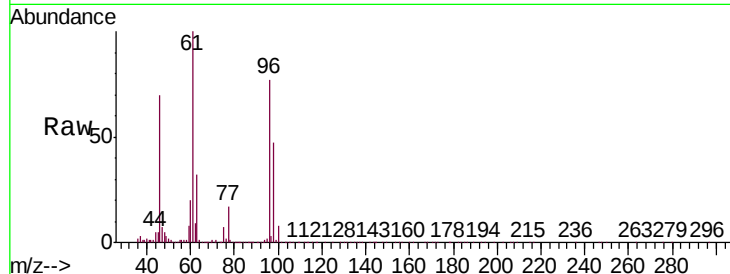


#22

cis-1,2-Dichloroethene
Concen: 4.768 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.01 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

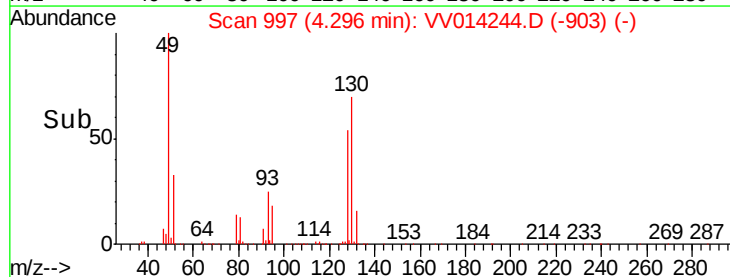
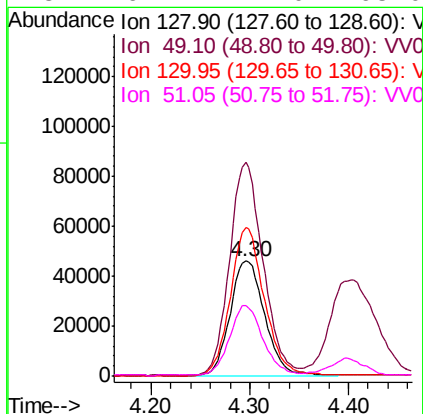
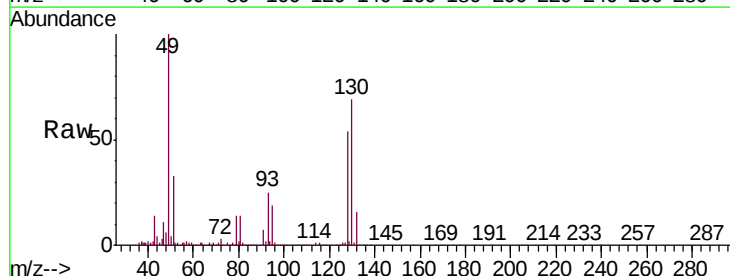
Tgt Ion: 96 Resp: 302030
Ion Ratio Lower Upper
96 100
61 129.0 90.6 168.3
68 0.2 0.3 0.7#

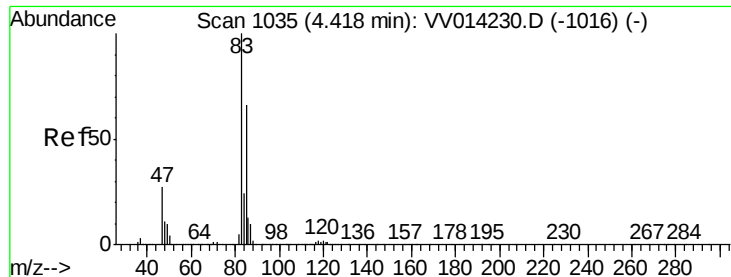


#23

Bromochloromethane
Concen: 4.554 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion: 128 Resp: 112136
Ion Ratio Lower Upper
128 100
49 185.8 117.5 218.1
130 128.8 93.7 173.9
51 61.4 42.0 63.0





#25

Chloroform

Concen: 5.028 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

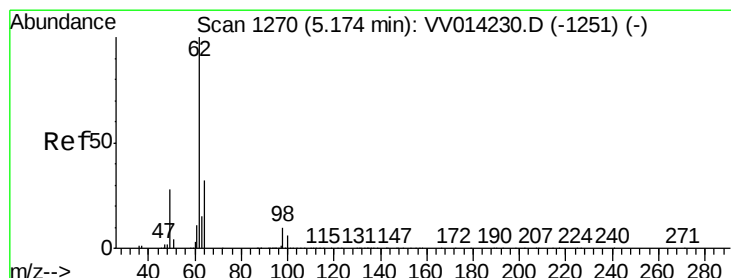
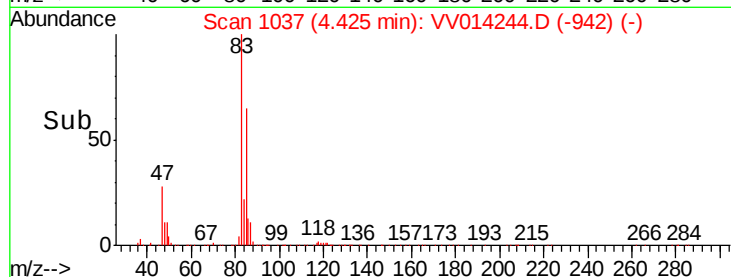
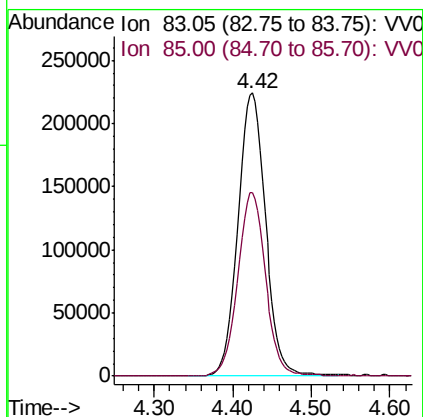
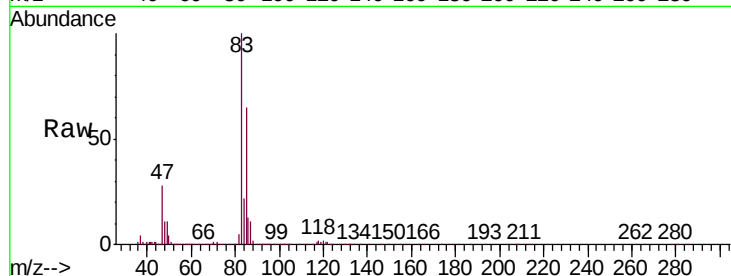
VSTD00547

Tgt Ion: 83 Resp: 549553

Ion Ratio Lower Upper

83 100

85 64.8 46.2 85.8



#27

1,2-Dichloroethane

Concen: 4.942 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV014244.D

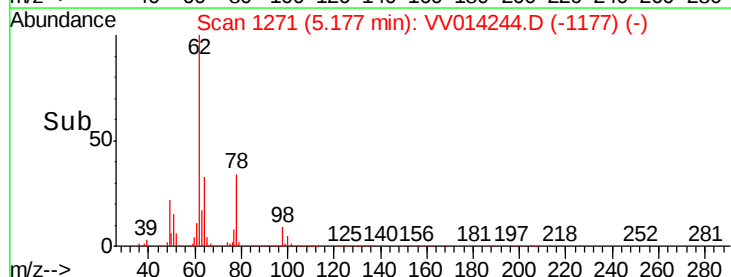
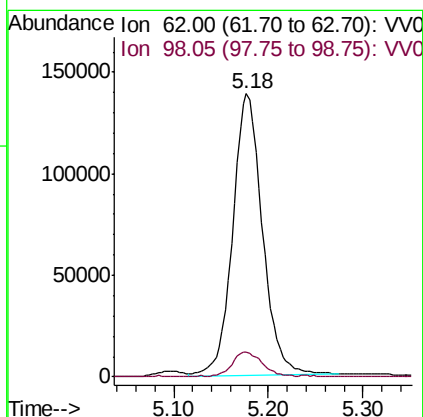
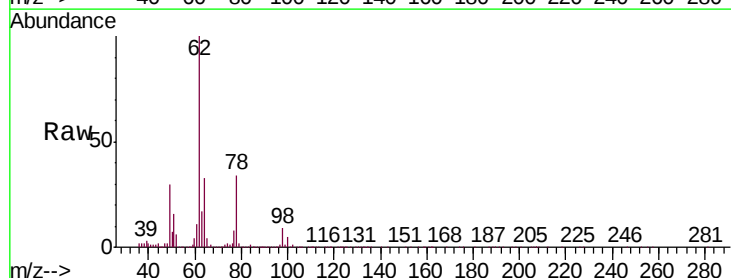
Acq: 31 Dec 2019 17:28

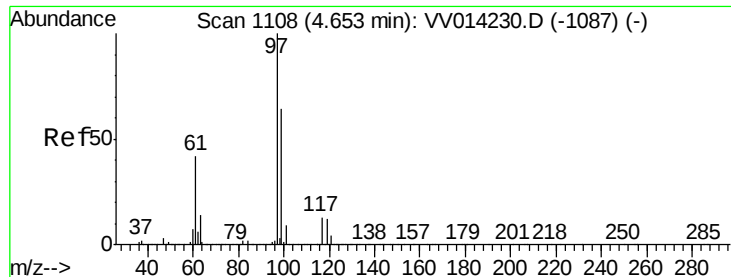
Tgt Ion: 62 Resp: 302478

Ion Ratio Lower Upper

62 100

98 8.7 9.2 13.8#

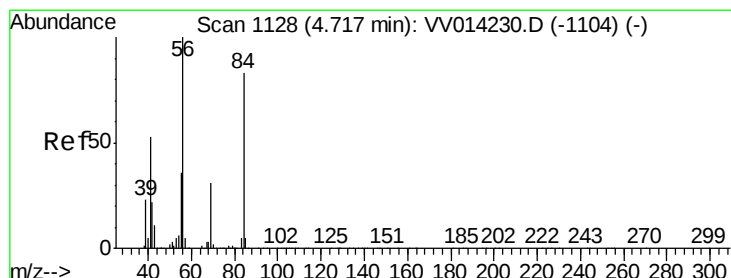
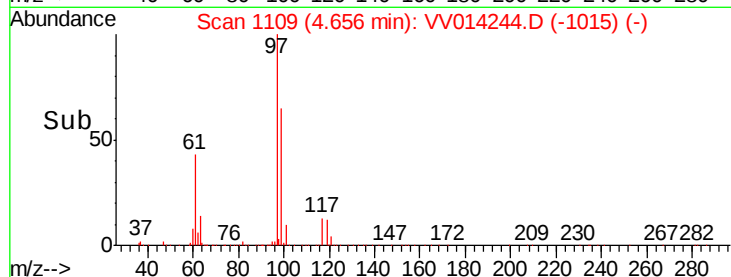
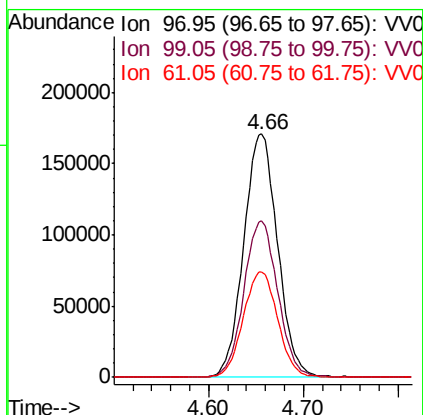
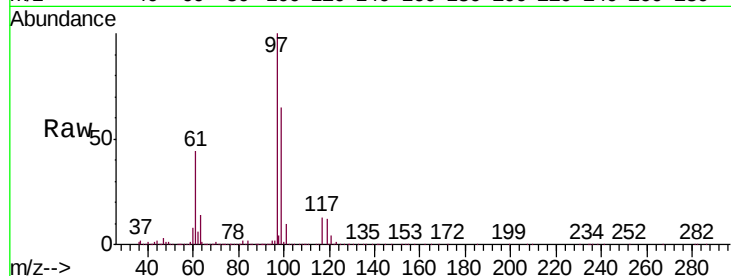




#29
 1,1,1-Trichloroethane
 Concen: 4.609 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

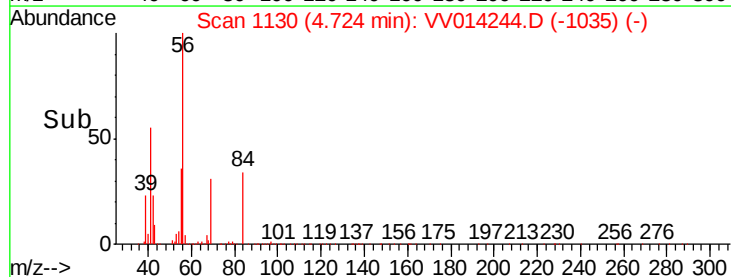
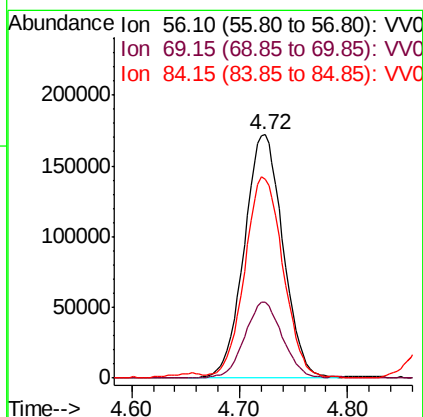
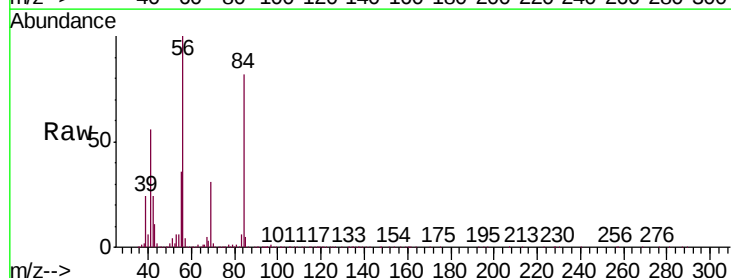
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

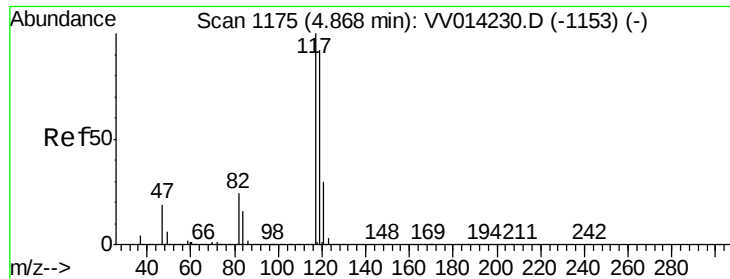
Tgt Ion: 97 Resp: 423756
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 44.1 33.9 50.9



#30
 Cyclohexane
 Concen: 4.236 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.01 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion: 56 Resp: 425910
 Ion Ratio Lower Upper
 56 100
 69 30.9 23.9 35.9
 84 82.4 68.9 103.3

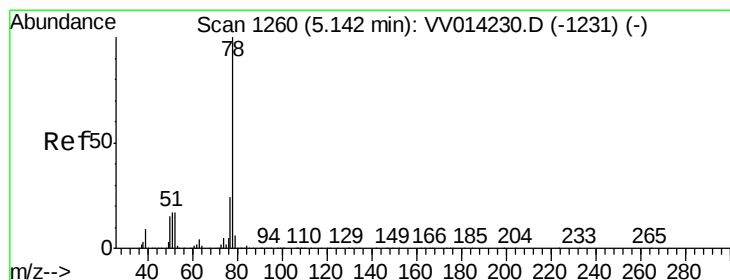
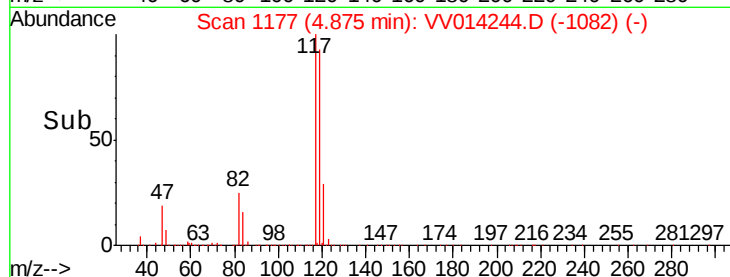
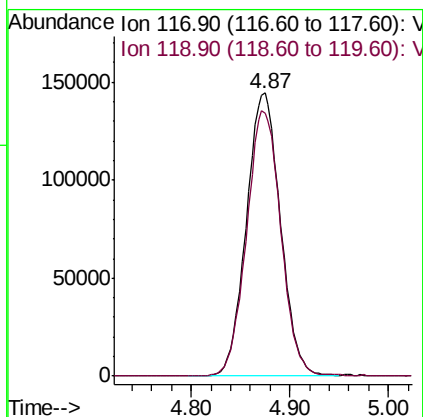
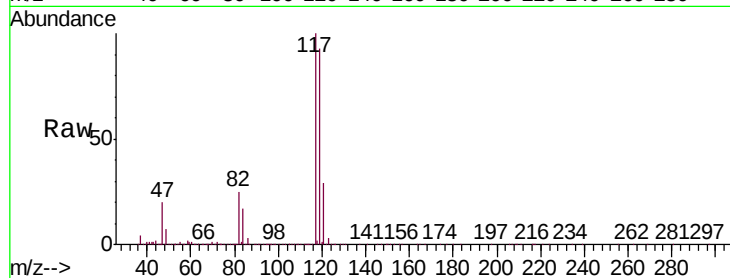




#31
Carbon tetrachloride
Concen: 4.380 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.01 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

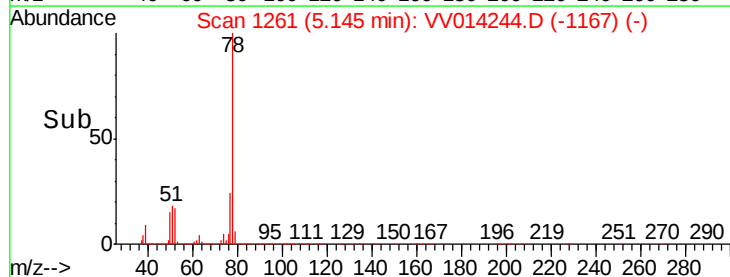
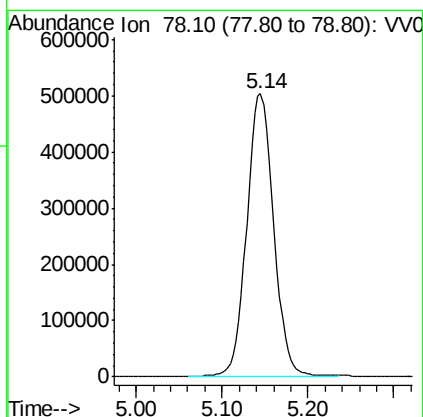
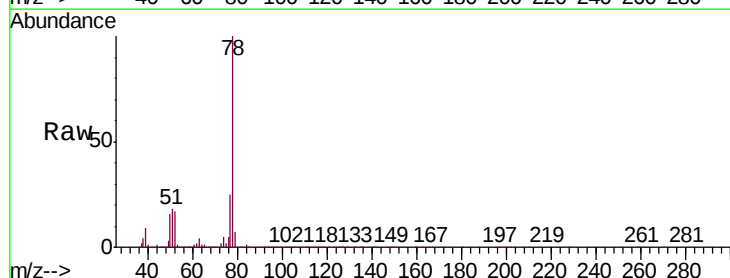
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

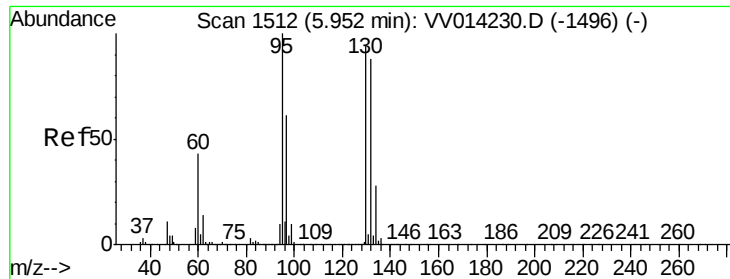
Tgt Ion:117 Resp: 343817
Ion Ratio Lower Upper
117 100
119 93.9 76.8 115.2



#33
Benzene
Concen: 4.693 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion: 78 Resp: 1099780





#34

Trichloroethene

Concen: 4.659 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

Tgt Ion: 95 Resp: 292436

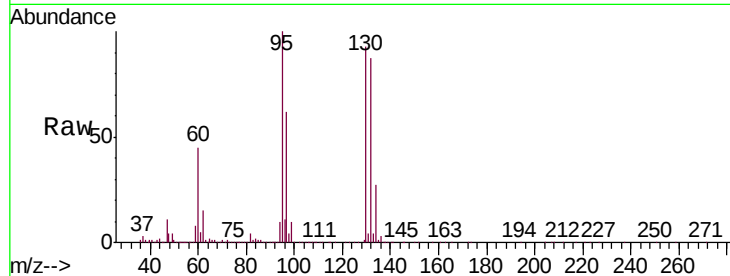
Ion Ratio Lower Upper

95 100

97 62.1 43.8 81.3

132 87.0 63.4 117.8

130 93.3 65.7 122.1

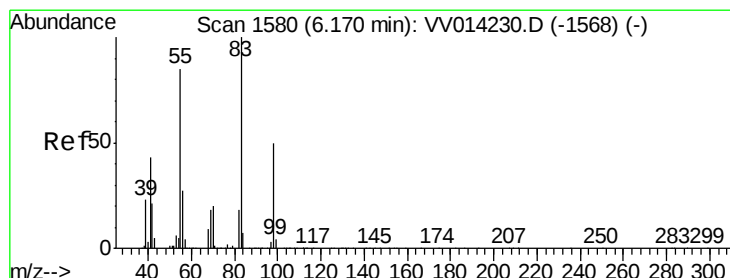
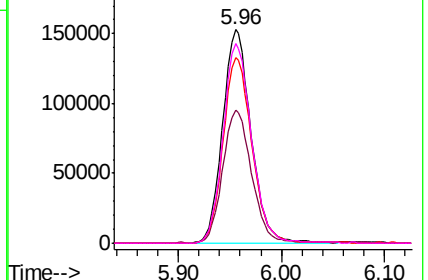
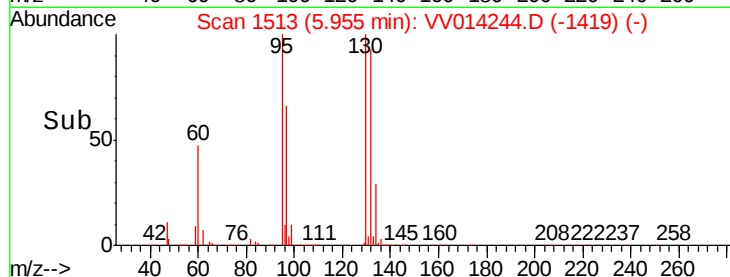


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.021 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

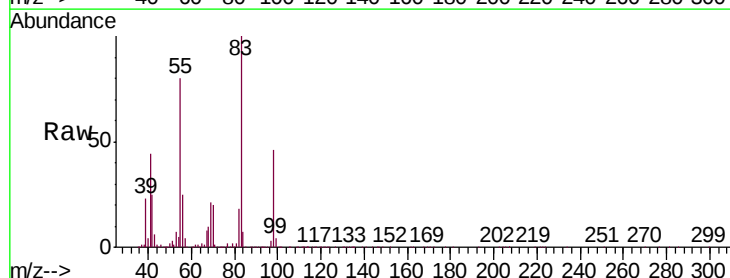
Tgt Ion: 83 Resp: 420544

Ion Ratio Lower Upper

83 100

55 79.3 61.7 92.5

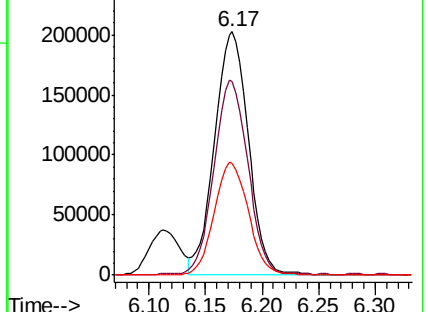
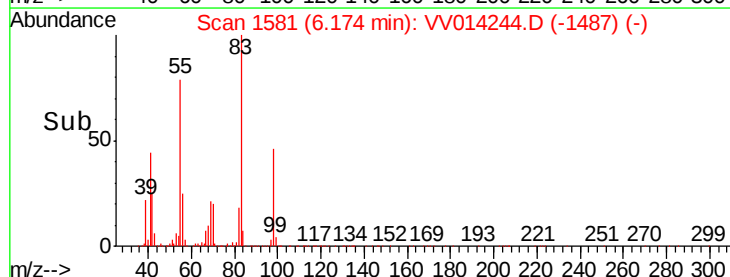
98 46.8 38.1 57.1

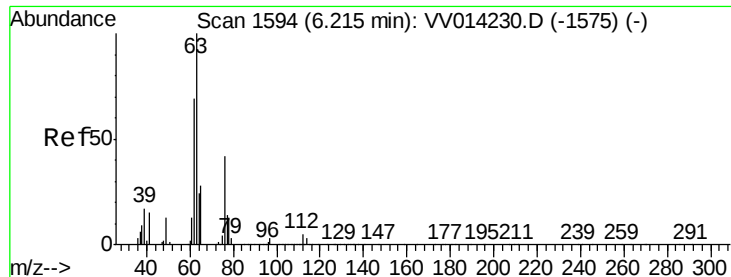


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

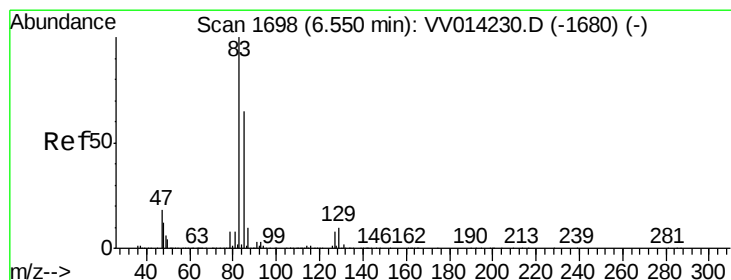
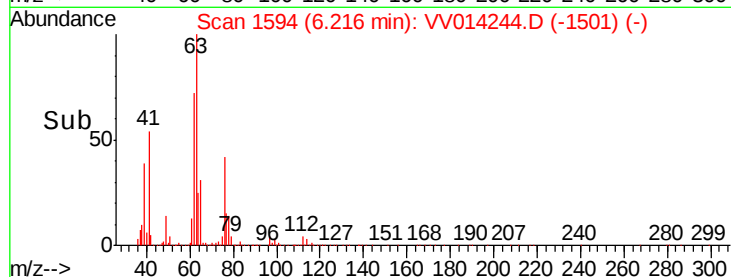
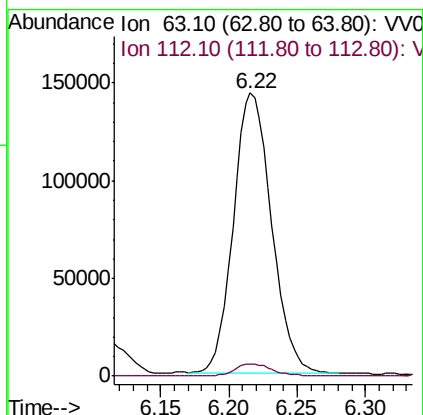
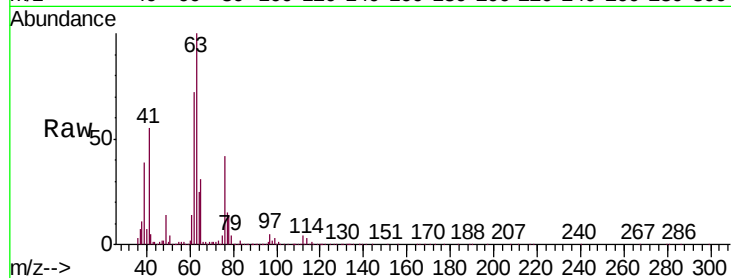




#37
 1,2-Dichloropropane
 Concen: 4.896 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

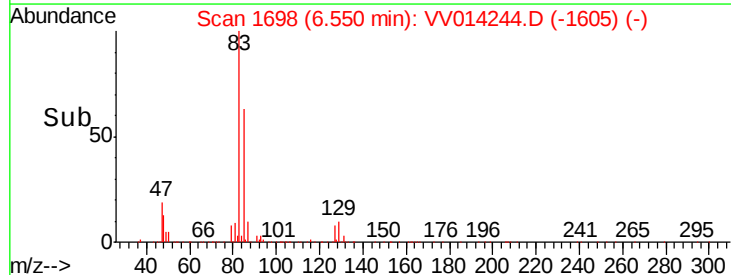
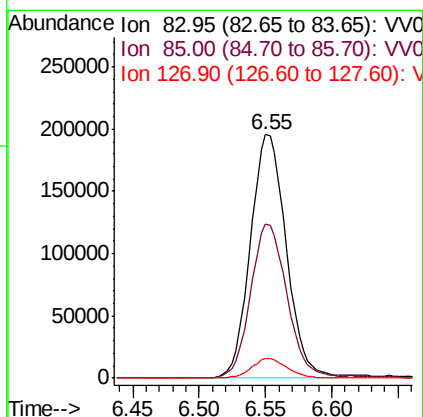
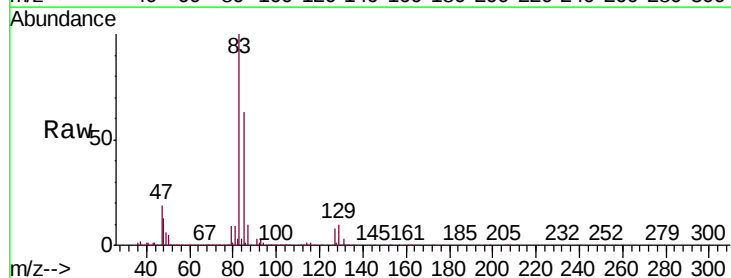
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

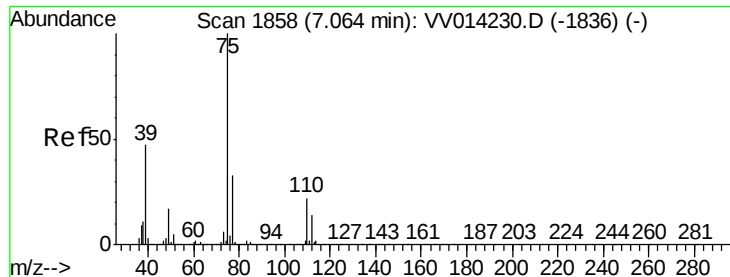
Tgt Ion: 63 Resp: 278691
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.7 5.5



#38
 Bromodichloromethane
 Concen: 4.809 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion: 83 Resp: 365272
 Ion Ratio Lower Upper
 83 100
 85 63.3 46.4 86.2
 127 8.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.879 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

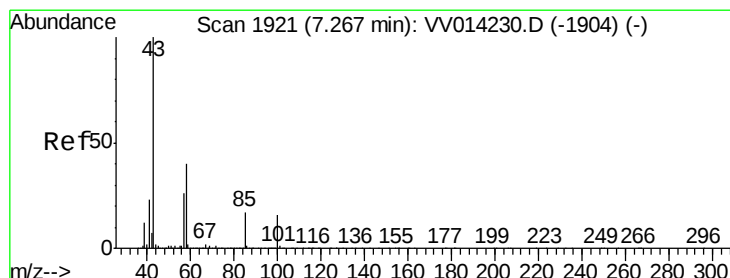
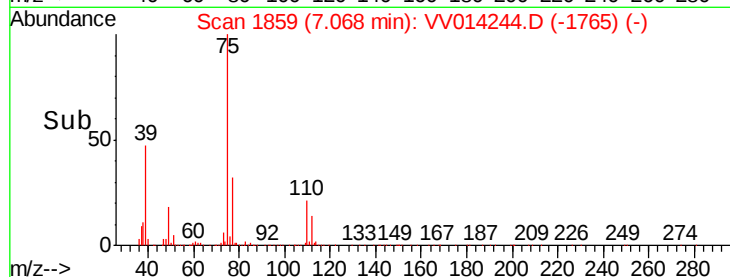
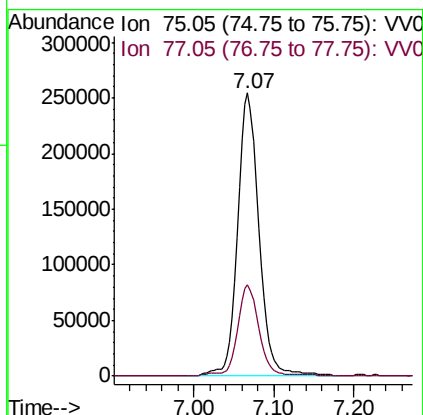
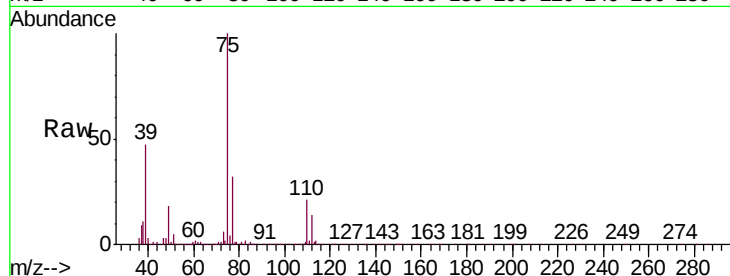
VSTD00547

Tgt Ion: 75 Resp: 454427

Ion Ratio Lower Upper

75 100

77 32.1 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 52.254 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

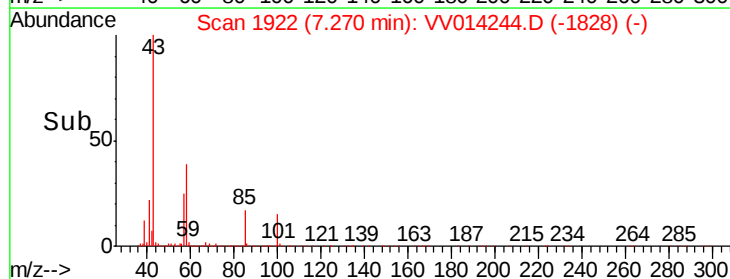
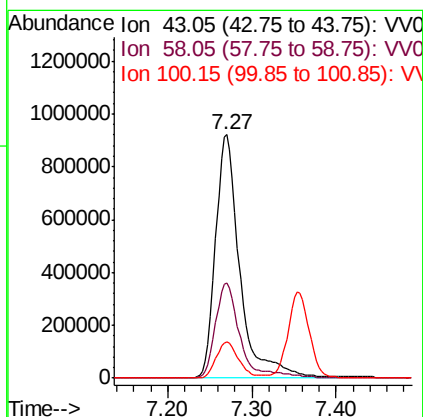
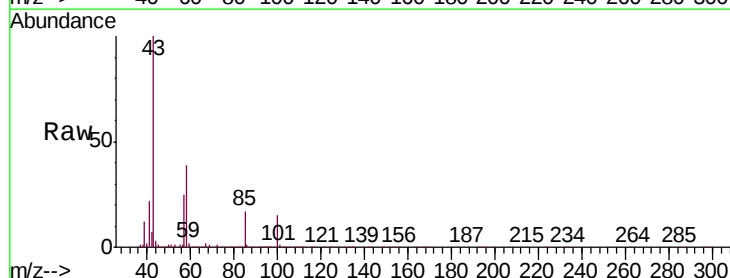
Tgt Ion: 43 Resp: 1849995

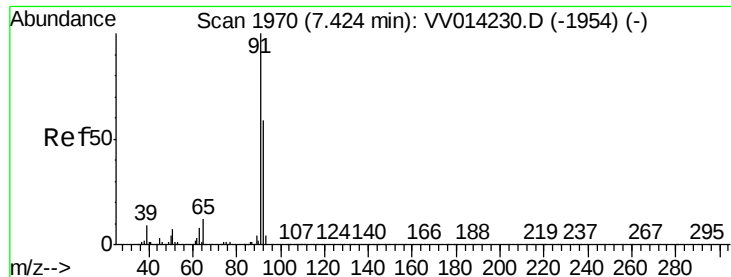
Ion Ratio Lower Upper

43 100

58 39.9 31.5 47.3

100 14.0 12.2 18.2





#42

Toluene

Concen: 4.451 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

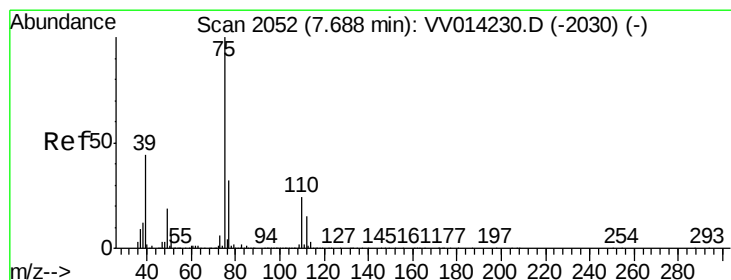
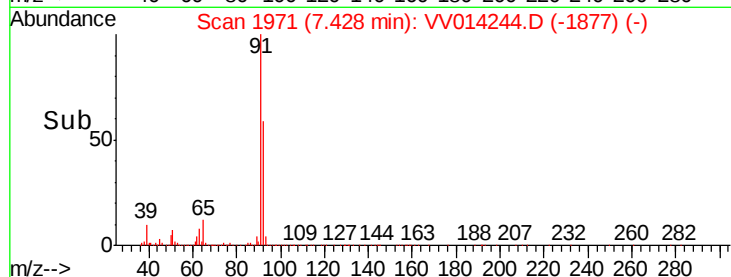
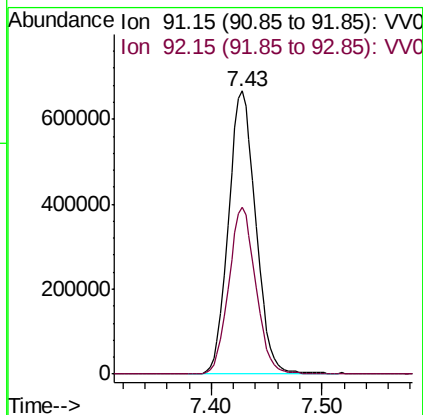
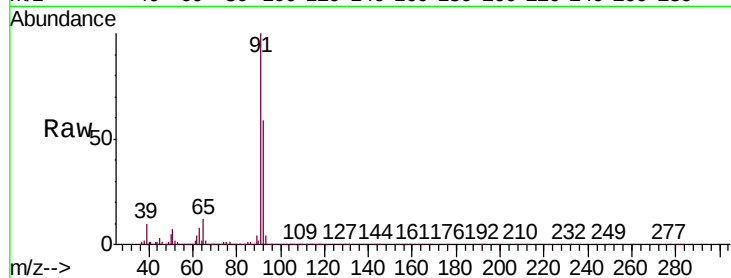
VSTD00547

Tgt Ion: 91 Resp: 1145508

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.6



#44

trans-1,3-Dichloropropene

Concen: 4.814 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV014244.D

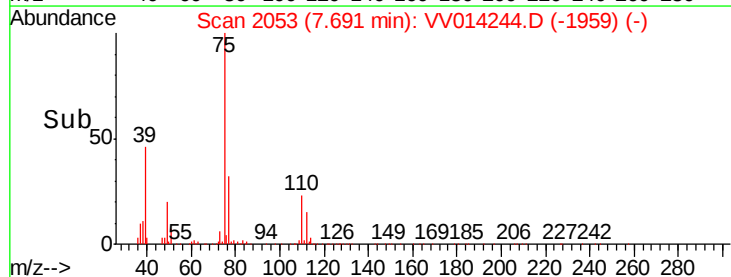
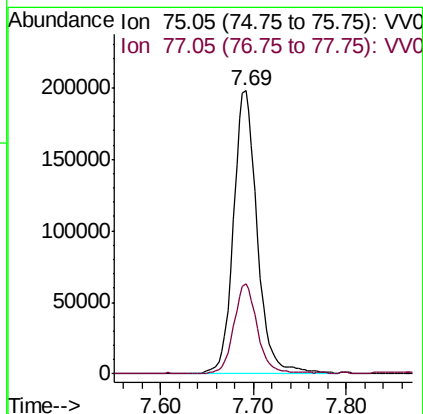
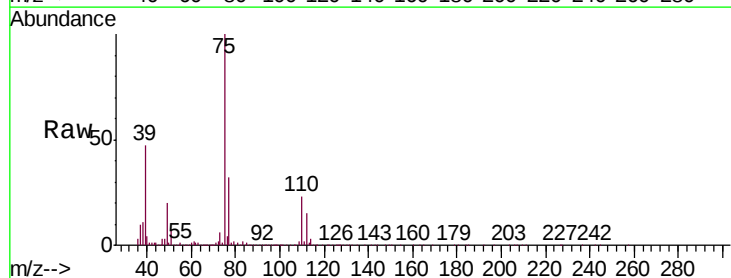
Acq: 31 Dec 2019 17:28

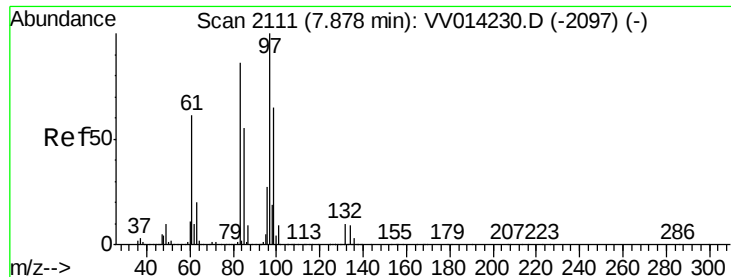
Tgt Ion: 75 Resp: 350674

Ion Ratio Lower Upper

75 100

77 31.8 22.0 41.0

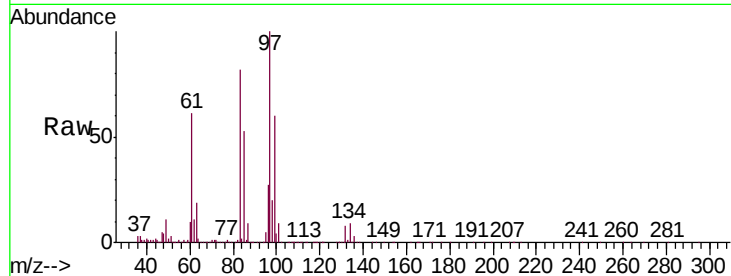




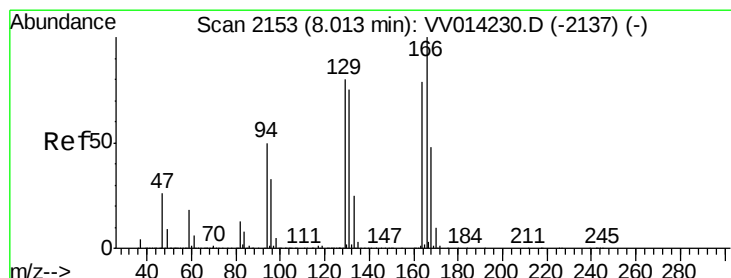
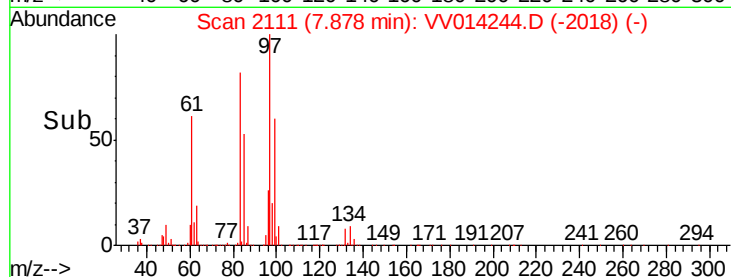
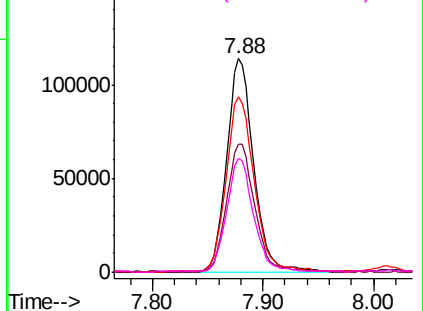
#45
 1,1,2-Trichloroethane
 Concen: 4.965 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	97	Resp:	192732
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.7	81.1
83	82.0	60.0	111.4
85	53.5	39.2	72.8

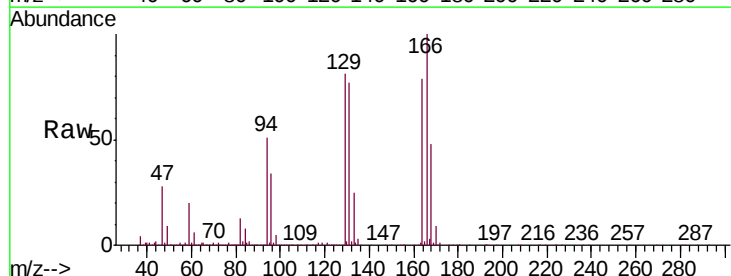


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

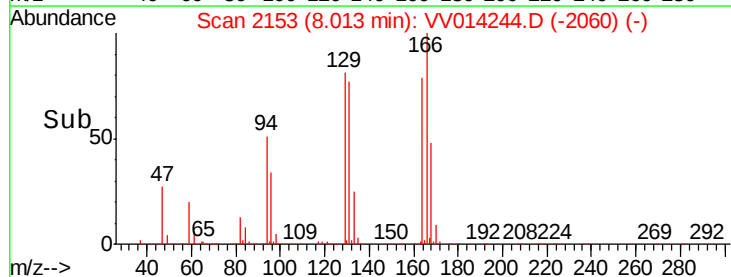
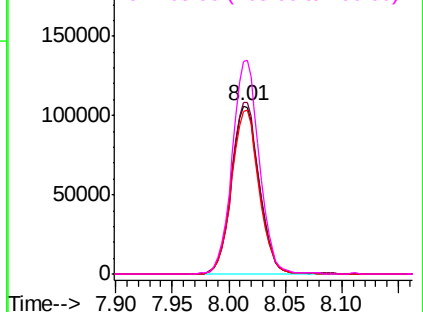


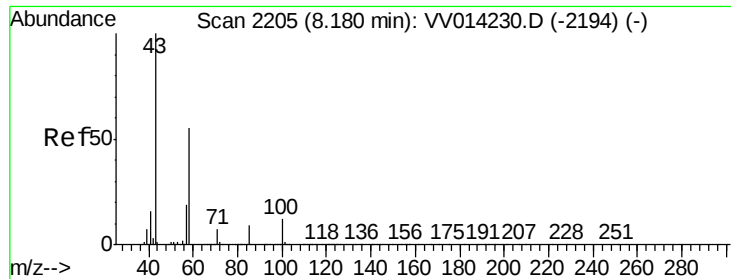
#47
 Tetrachloroethene
 Concen: 4.130 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion:	164	Resp:	181224
Ion	Ratio	Lower	Upper
164	100		
129	101.9	71.7	133.3
131	96.7	70.4	130.8
166	126.2	90.3	167.7



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

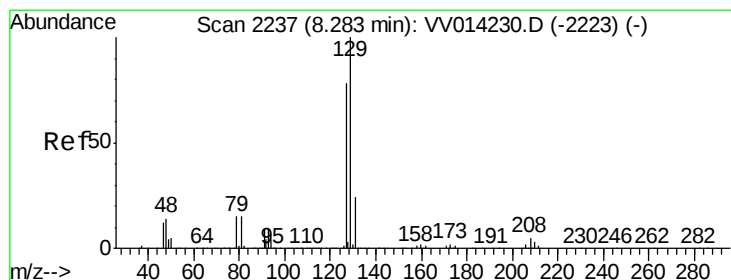
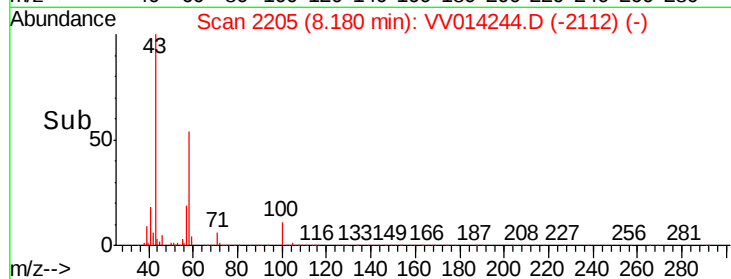
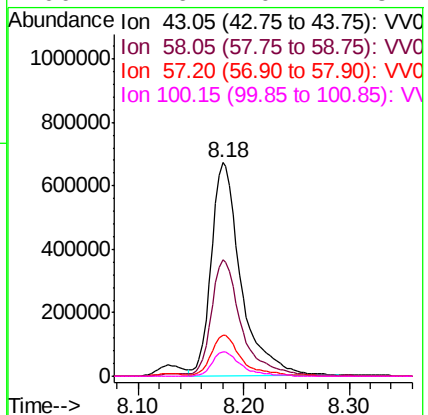
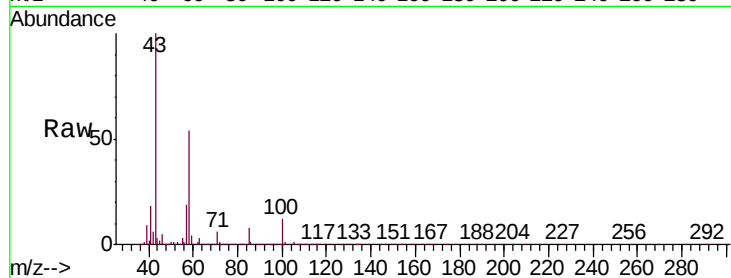




#48
2-Hexanone
Concen: 53.238 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

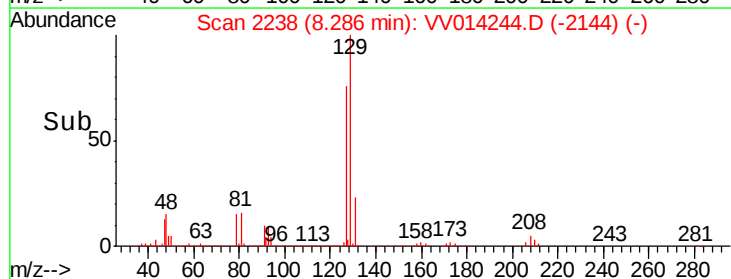
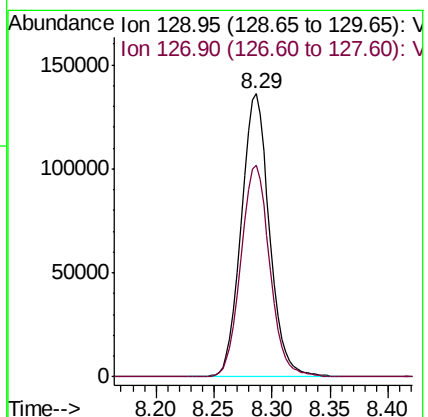
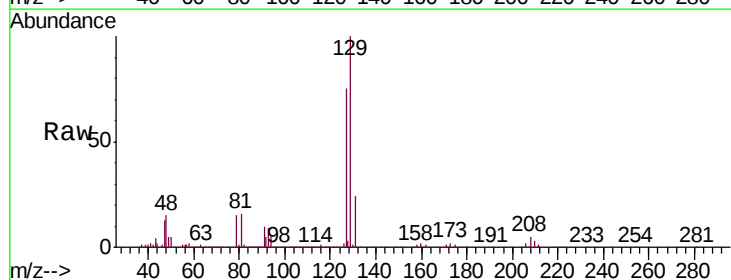
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

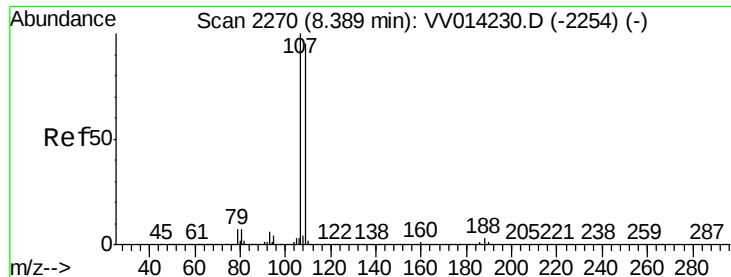
Tgt Ion: 43 Resp: 1303469
Ion Ratio Lower Upper
43 100
58 57.0 45.4 68.0
57 19.7 15.8 23.8
100 11.6 10.2 15.4



#49
Dibromochloromethane
Concen: 4.639 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion: 129 Resp: 229646
Ion Ratio Lower Upper
129 100
127 74.8 55.7 103.5

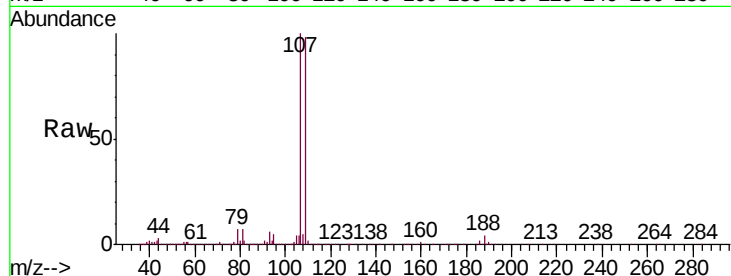




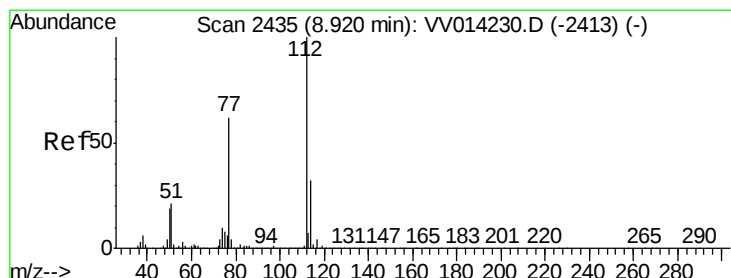
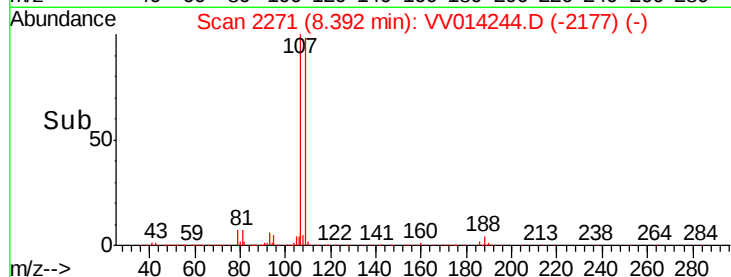
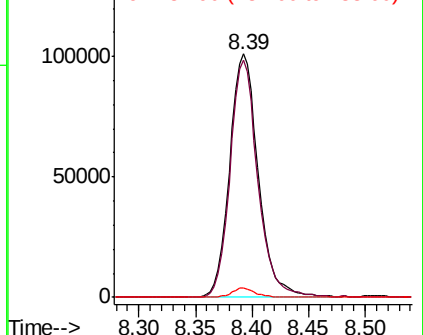
#50
1,2-Dibromoethane
Concen: 4.777 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion	Ratio	Lower	Upper
107	100		
109	97.7	63.0	117.0
188	3.7	3.0	4.4

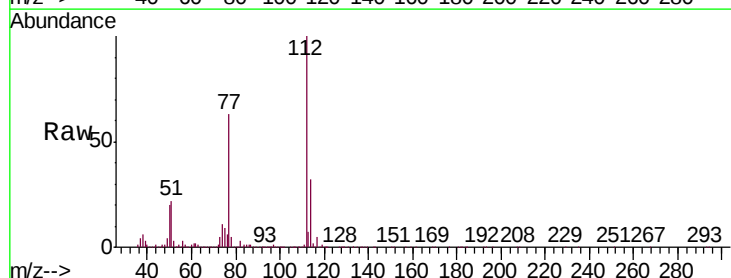


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

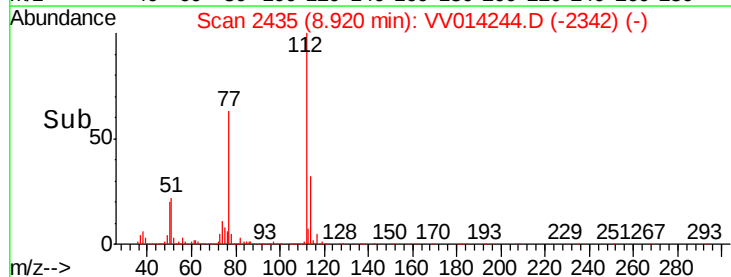
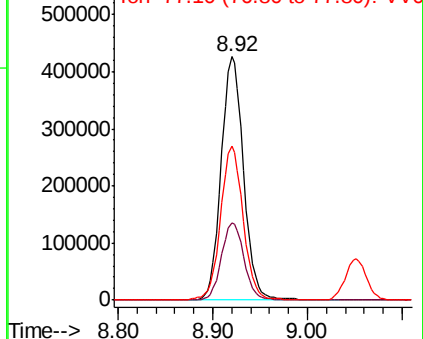


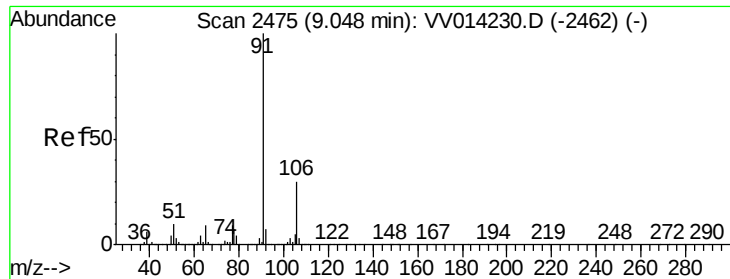
#51
Chlorobenzene
Concen: 4.399 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV014244.D
Acq: 31 Dec 2019 17:28

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.5	41.7
77	63.1	49.3	73.9



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.393 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

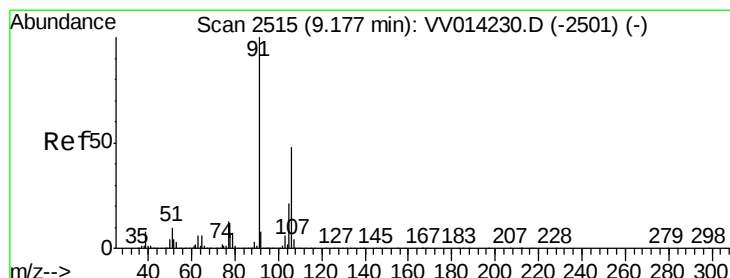
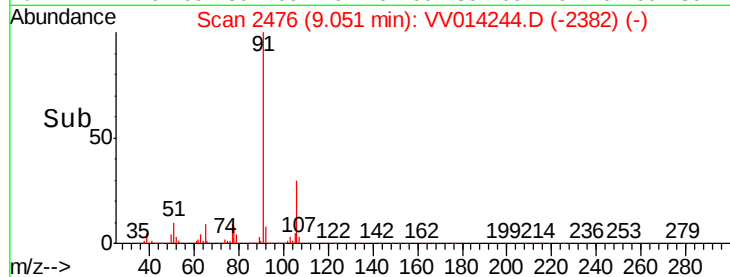
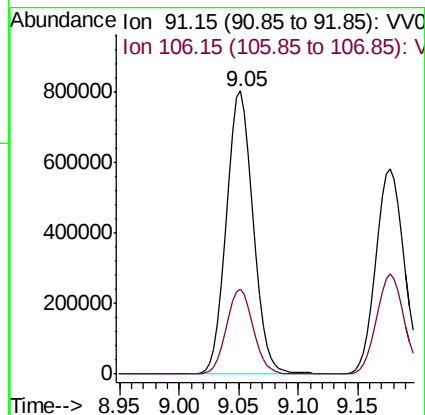
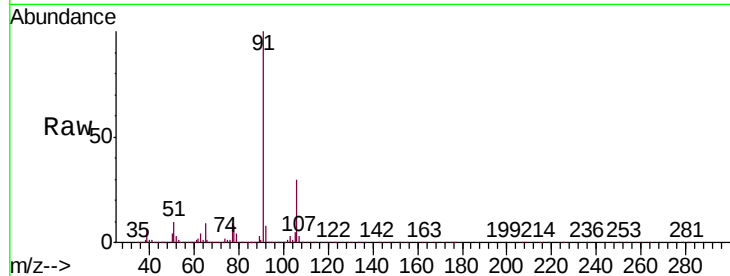
VSTD00547

Tgt Ion: 91 Resp: 1255262

Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



#53

m,p-xylene

Concen: 4.273 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. 0.00 min

Lab File: VV014244.D

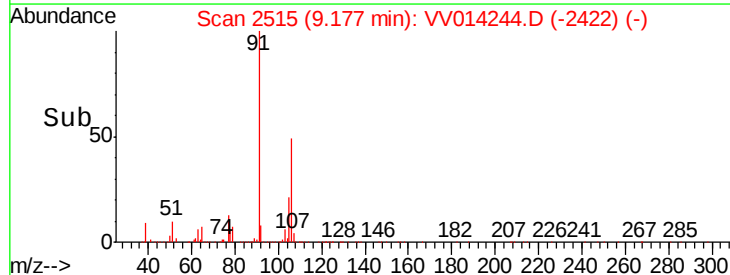
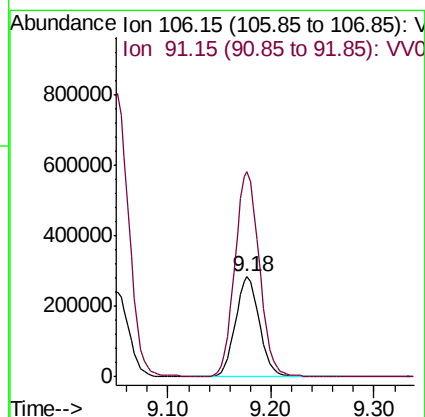
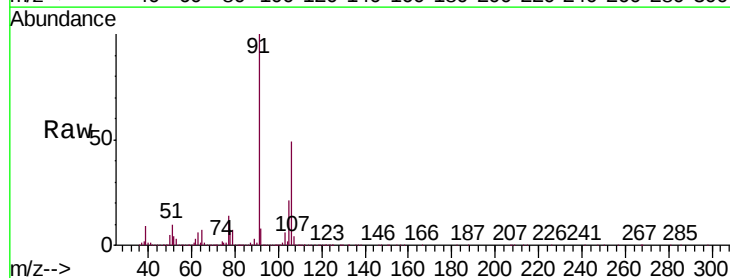
Acq: 31 Dec 2019 17:28

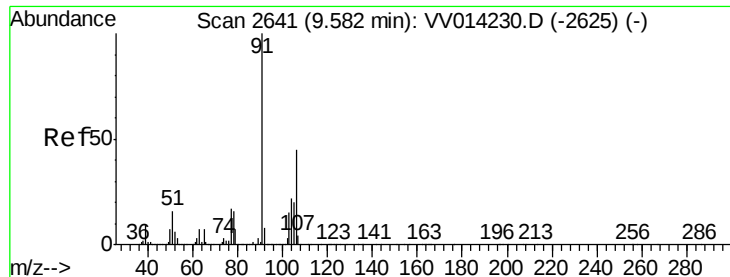
Tgt Ion: 106 Resp: 458839

Ion Ratio Lower Upper

106 100

91 205.8 146.8 272.6





#54

o-xylene

Concen: 4.394 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

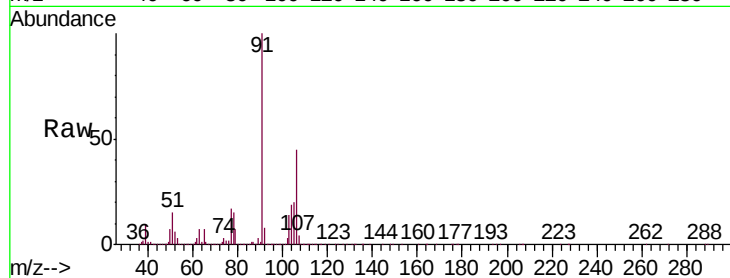
VSTD00547

Tgt Ion:106 Resp: 460817

Ion Ratio Lower Upper

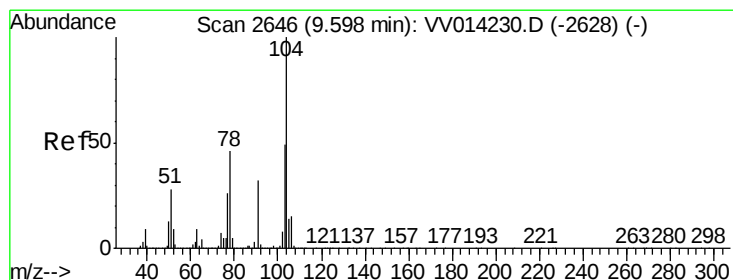
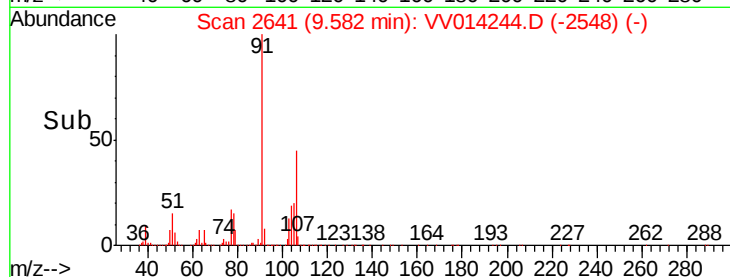
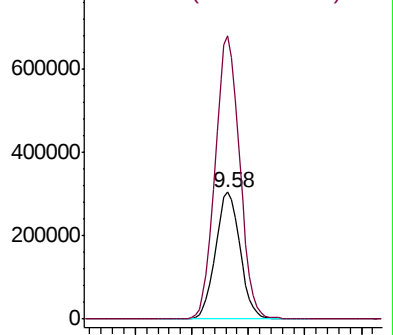
106 100

91 223.0 150.9 280.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.397 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV014244.D

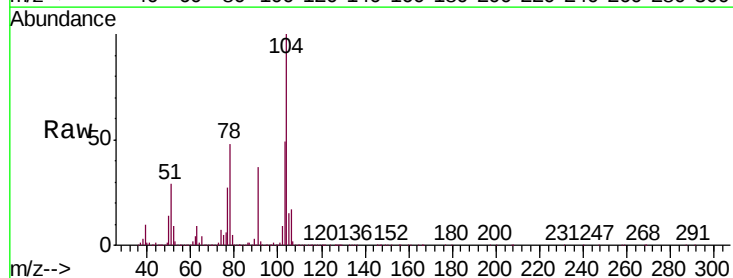
Acq: 31 Dec 2019 17:28

Tgt Ion:104 Resp: 773924

Ion Ratio Lower Upper

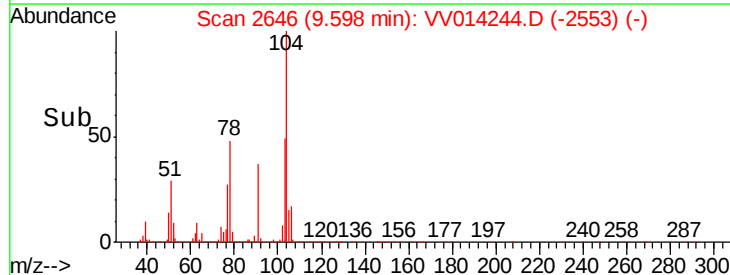
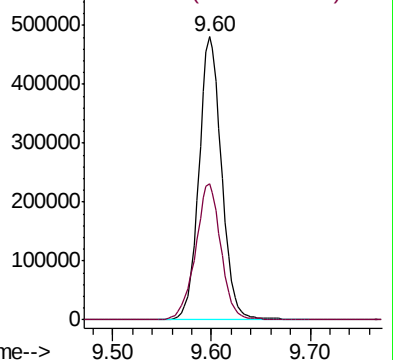
104 100

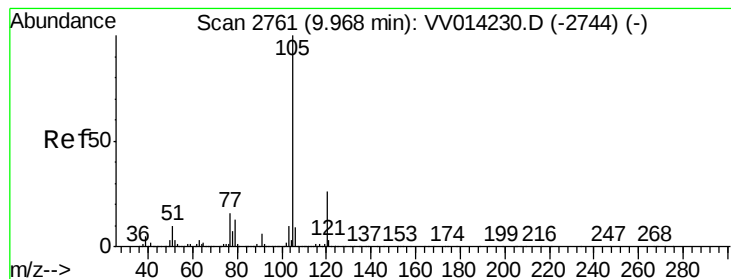
78 48.1 31.7 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.273 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

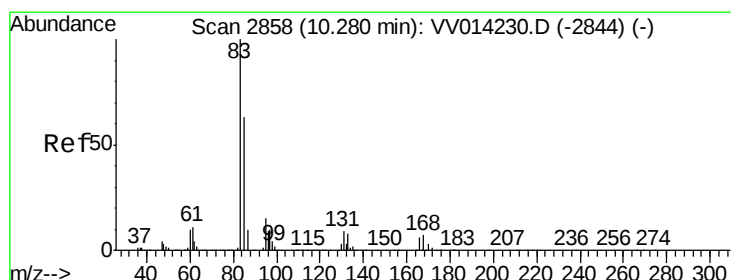
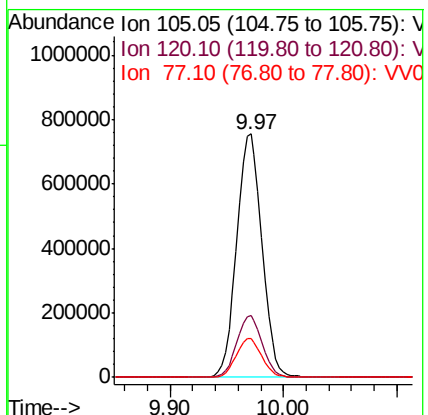
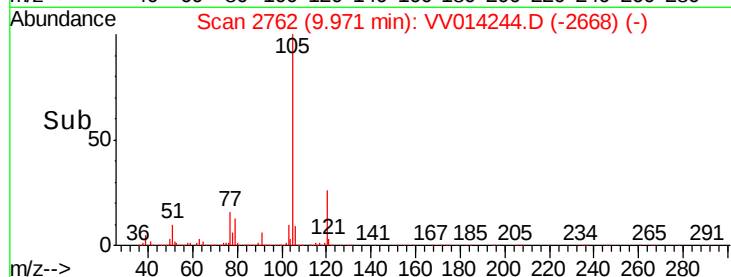
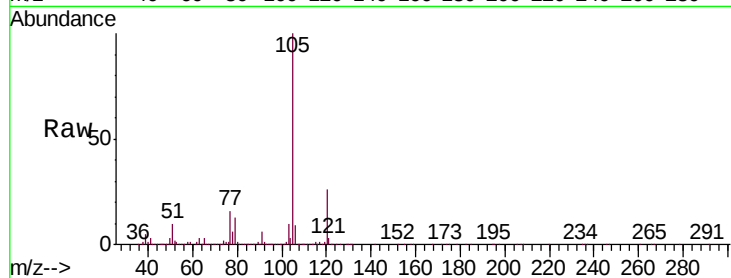
Tgt Ion:105 Resp: 1175082

Ion Ratio Lower Upper

105 100

120 25.6 21.0 31.4

77 16.1 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 4.713 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

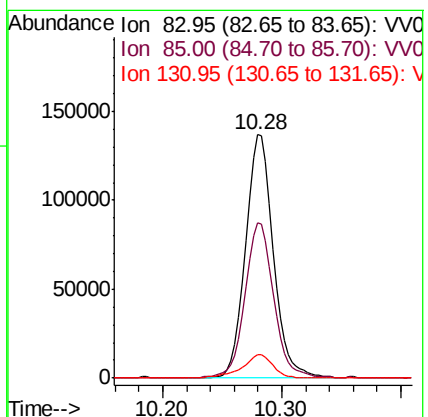
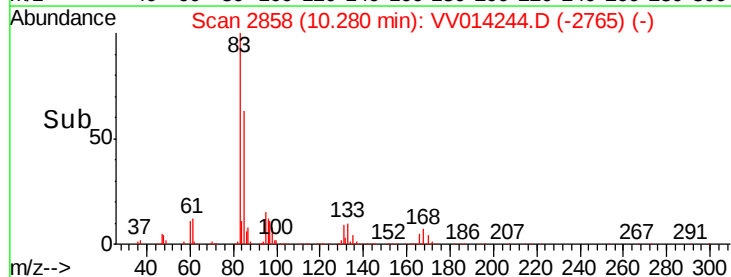
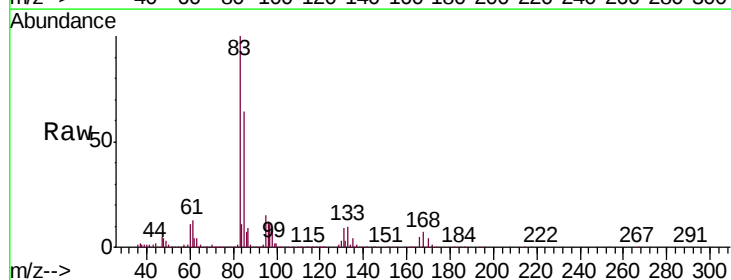
Tgt Ion: 83 Resp: 220571

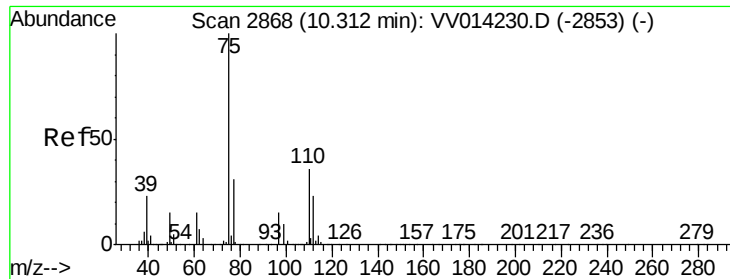
Ion Ratio Lower Upper

83 100

85 63.8 45.9 85.3

131 9.5 7.8 11.8





#59

1,2,3-Trichloropropane

Concen: 5.002 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

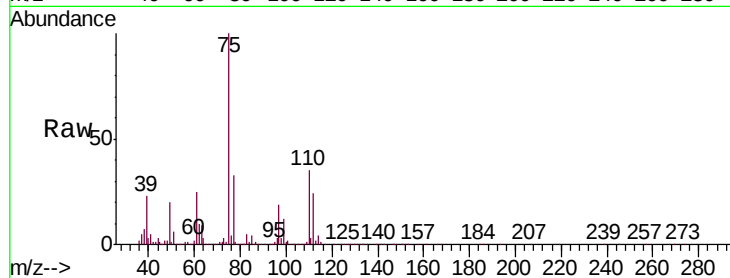
VSTD00547

Tgt Ion: 75 Resp: 174016

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV014230.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV014230.D (-2853) (-)

10.32

120000

100000

80000

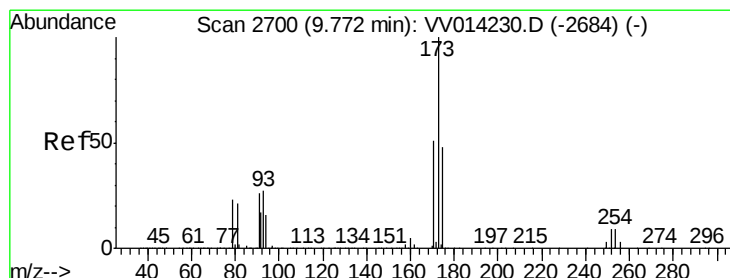
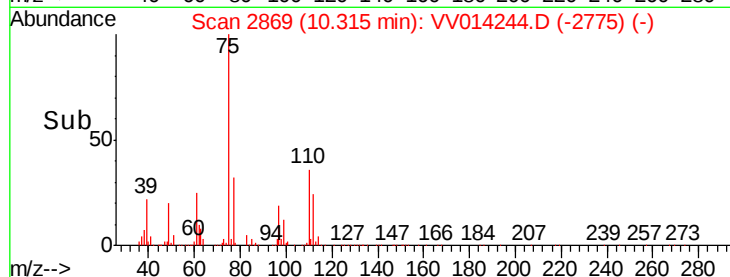
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 4.568 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

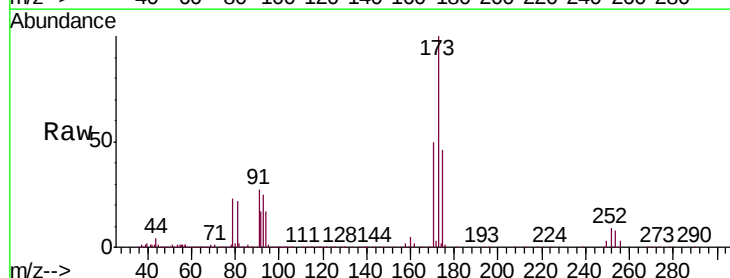
Tgt Ion: 173 Resp: 116578

Ion Ratio Lower Upper

173 100

175 46.4 37.9 56.9

254 9.1 7.6 11.4



Abundance Ion 172.90 (172.60 to 173.60): VV014230.D (-2684) (-)

Ion 174.90 (174.60 to 175.60): VV014230.D (-2684) (-)

Ion 253.75 (253.45 to 254.45): VV014230.D (-2684) (-)

9.77

100000

80000

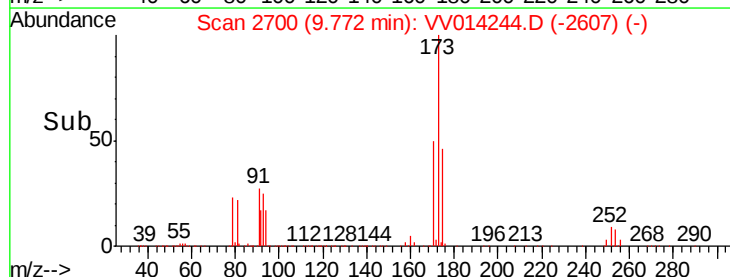
60000

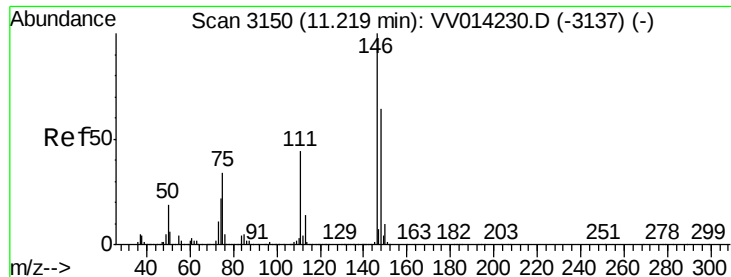
40000

20000

0

Time-->

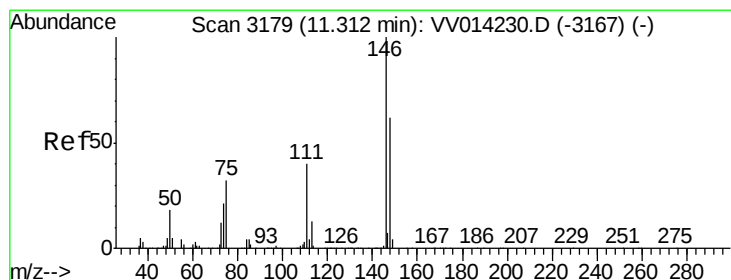
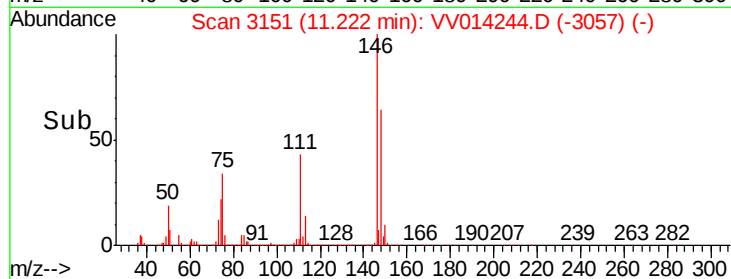
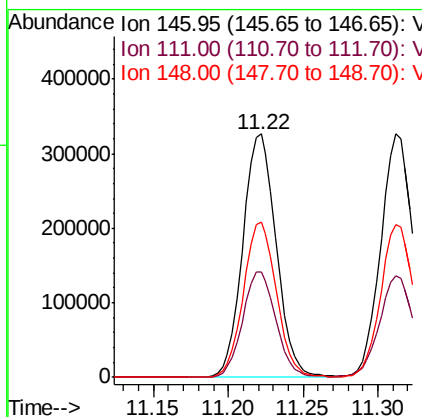
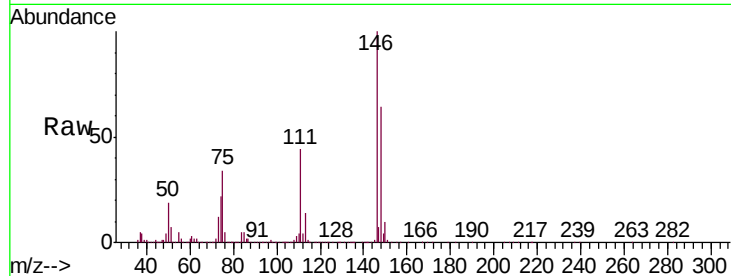




#62
 1,3-Dichlorobenzene
 Concen: 4.379 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

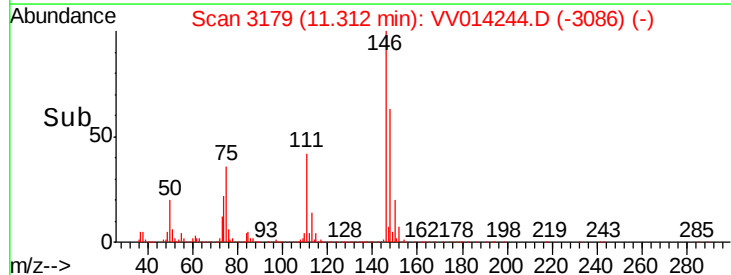
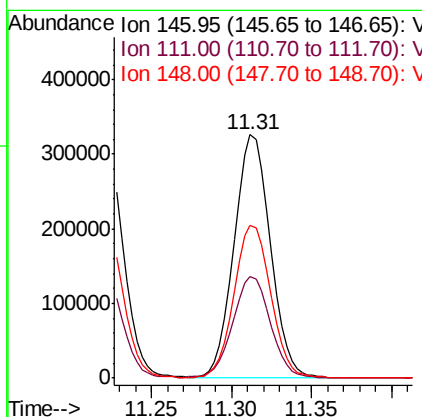
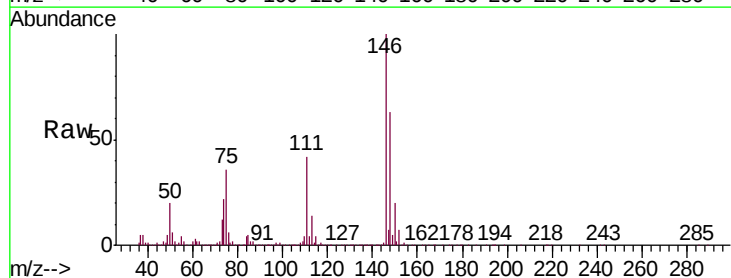
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

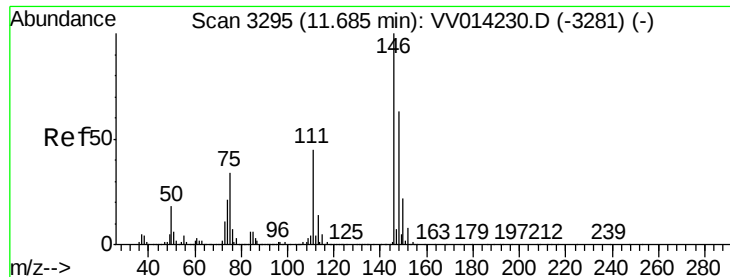
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.7	57.1
148	63.9	44.4	82.5



#63
 1,4-Dichlorobenzene
 Concen: 4.326 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	28.8	53.4
148	62.9	44.5	82.7

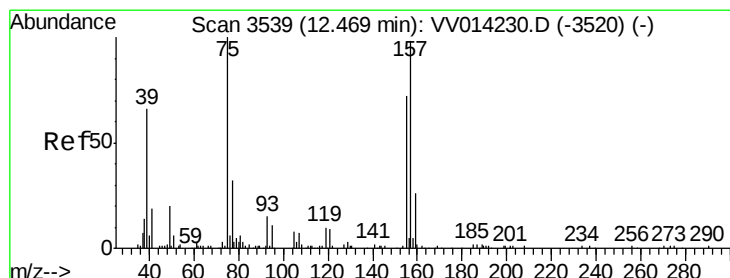
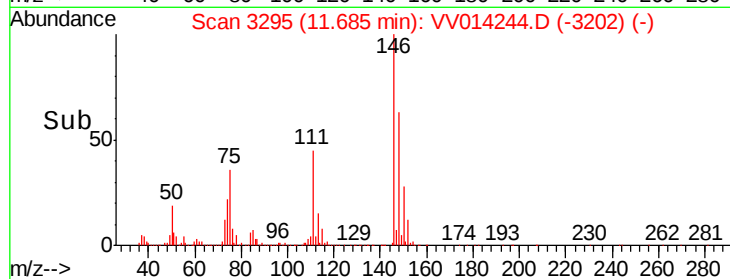
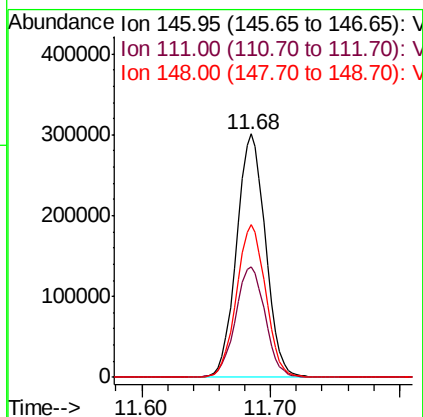
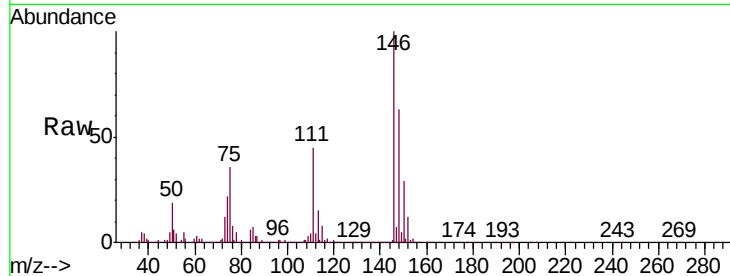




#65
 1,2-Dichlorobenzene
 Concen: 4.413 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

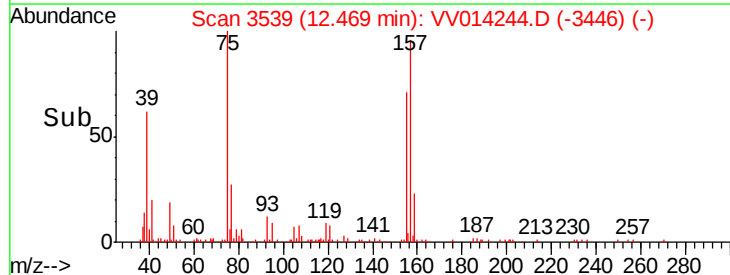
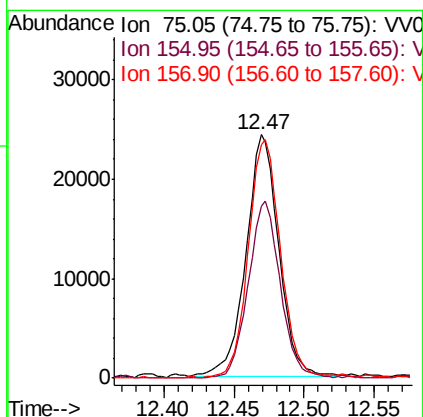
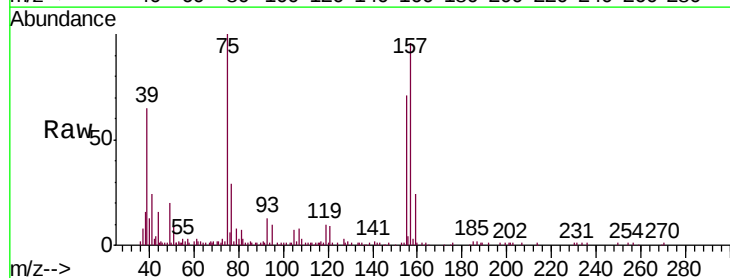
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

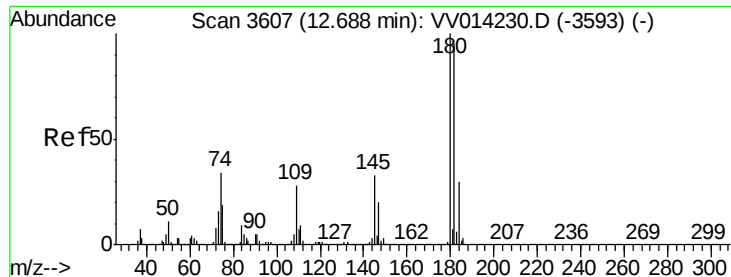
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	36.4	54.6
148	62.6	51.3	76.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.503 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	56.9	85.3
157	96.1	82.0	123.0

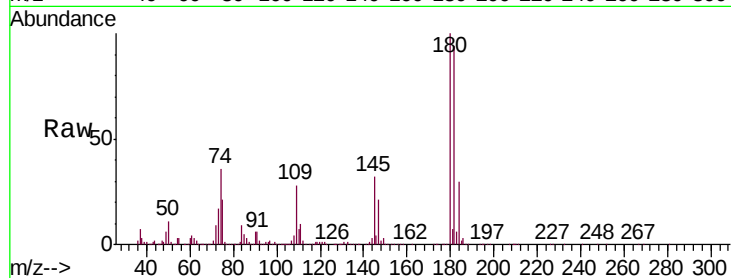




#67
 1,3,5-Trichlorobenzene
 Concen: 4.181 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.2	115.8
184	30.2	24.6	36.8
145	32.6	26.9	40.3



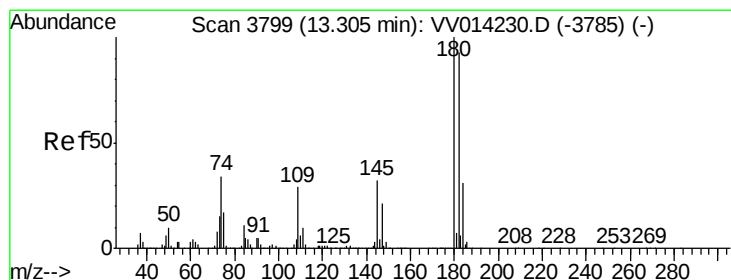
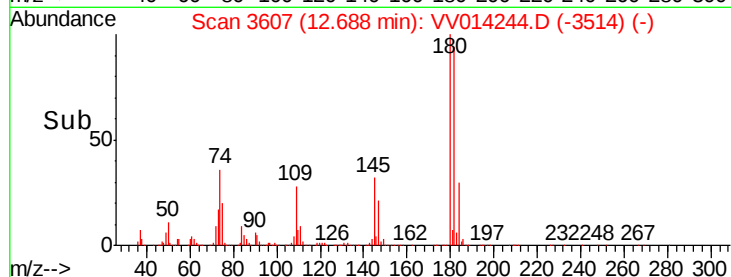
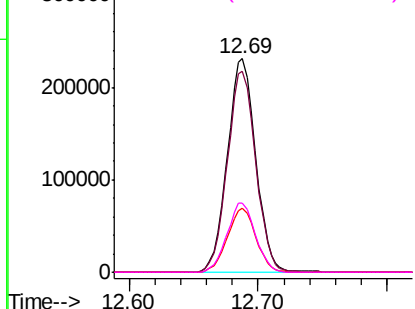
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

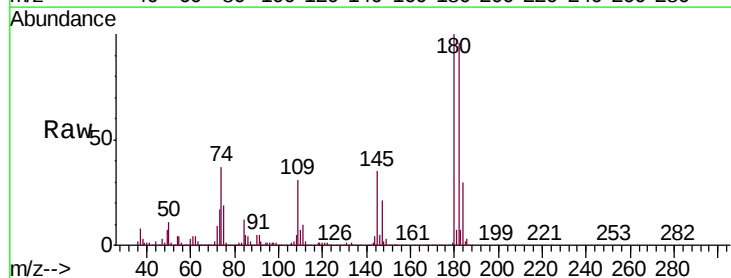
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.182 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014244.D
 Acq: 31 Dec 2019 17:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.2	112.8
145	33.9	26.2	39.4

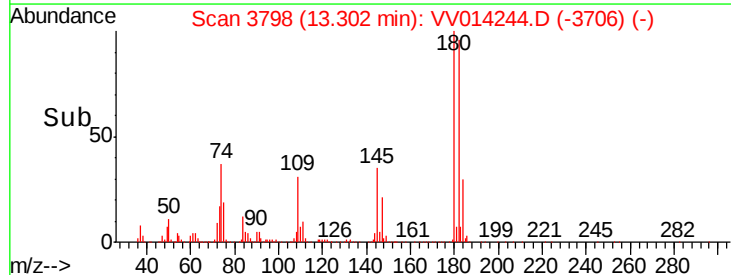
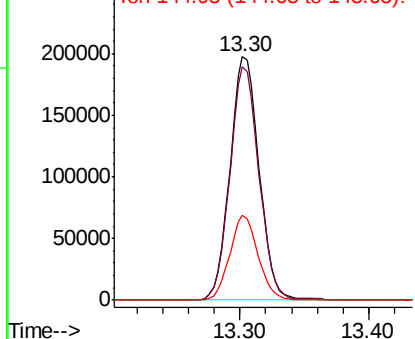


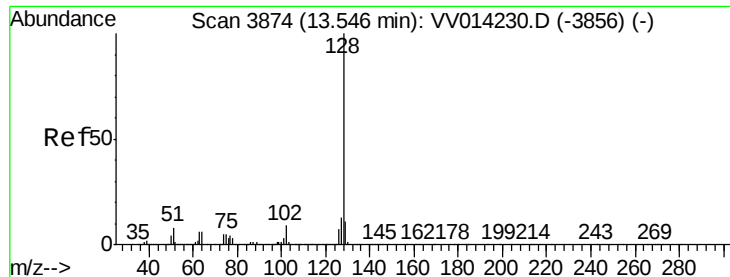
Abundance

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: 4.261 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

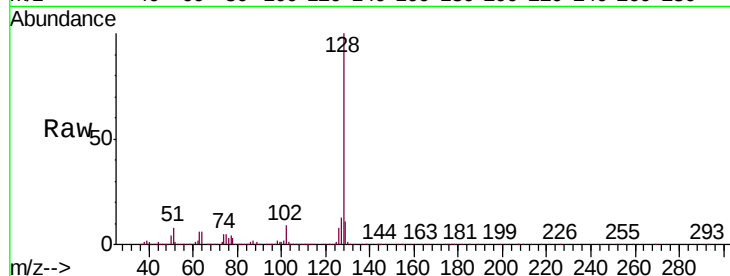
Tgt Ion:128 Resp: 573552

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

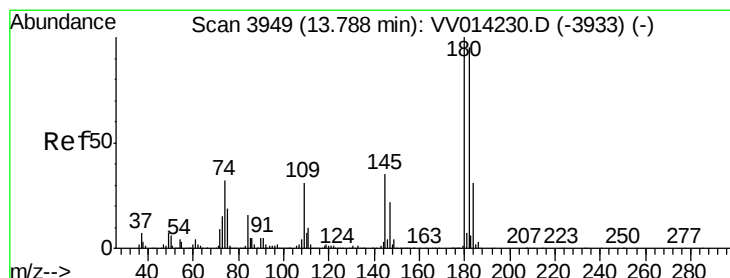
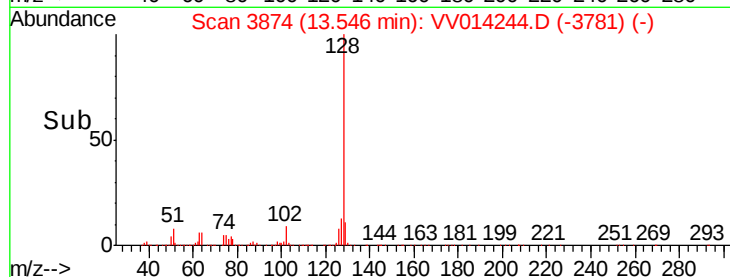
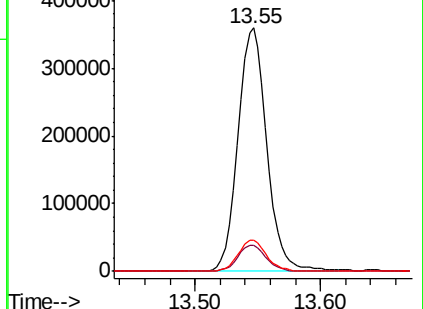
127 12.8 10.2 15.2



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: 4.318 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV014244.D

Acq: 31 Dec 2019 17:28

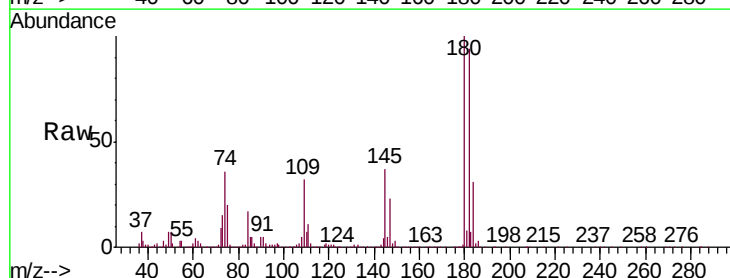
Tgt Ion:180 Resp: 278639

Ion Ratio Lower Upper

180 100

182 94.7 74.8 112.2

145 36.7 29.0 43.6



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

