

Data File : VV013084.D
Acq On : 09 Oct 2019 19:19
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

Quant Time: Oct 10 07:52:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 07:47:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	662434	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	657680	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	362123	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	199002	19.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.44%
7) Chloroethane-d5	1.58	69	173887	20.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.68%
10) 1,1-Dichloroethene-d2	2.13	63	381593	22.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.32%
20) 2-Butanone-d5	3.95	46	178750	50.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.74%
24) Chloroform-d	4.40	84	423816	23.29	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.16%
26) 1,2-Dichloroethane-d4	5.08	65	241995	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.52%
29) Benzene-d6	5.10	84	863148	23.51	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.04%
33) 1,2-Dichloropropane-d6	6.11	67	263811	22.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.68%
37) Toluene-d8	7.36	98	804545	24.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.56%
38) trans-1,3-Dichloropropene-	7.66	79	113488	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.16%
39) 2-Hexanone-d5	8.13	63	121057	52.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.54%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	257195	23.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.12%
61) 1,2-Dichlorobenzene-d4	11.67	152	318241	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	184743	25.324 ug/L	99
3) Chloromethane	1.25	50	230403	24.184 ug/L	100
5) Vinyl chloride	1.32	62	233292	24.803 ug/L	99
6) Bromomethane	1.54	94	153529	26.147 ug/L	99
8) Chloroethane	1.60	64	150772	26.085 ug/L	99
9) Trichlorofluoromethane	1.77	101	321351	25.260 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	202187	24.866 ug/L	99
12) 1,1-Dichloroethene	2.14	96	188689	25.198 ug/L	98
13) Acetone	2.21	43	167343	44.365 ug/L	99
14) Carbon disulfide	2.32	76	541688	22.646 ug/L	100
15) Methyl Acetate	2.47	43	149496	25.553 ug/L	100
16) Methylene chloride	2.53	84	254808	25.735 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	565374	25.732 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	221335	24.971 ug/L	99
19) 1,1-Dichloroethane	3.23	63	416699	25.762 ug/L	99
21) 2-Butanone	4.03	43	212938	48.508 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	247885	25.553 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Thu Oct 10 07:47:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	122485	25.562	ug/L	98
25) Chloroform	4.42	83	430057	25.358	ug/L	99
27) 1,2-Dichloroethane	5.18	62	300315	25.054	ug/L	100
30) Cyclohexane	4.72	56	335086	23.748	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	337195	25.905	ug/L	99
32) Carbon tetrachloride	4.87	117	296413	25.114	ug/L	98
34) Benzene	5.14	78	958019	26.169	ug/L	100
35) Trichloroethene	5.96	95	252563	24.765	ug/L	100
36) Methylcyclohexane	6.17	83	368954	23.567	ug/L	99
40) 1,2-Dichloropropane	6.22	63	244121	25.643	ug/L	99
41) Bromodichloromethane	6.55	83	316070	25.920	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	362356	25.903	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	402756	51.492	ug/L	99
44) Toluene	7.43	91	1027294	26.606	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	300982	25.565	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	208574	25.806	ug/L	100
47) Tetrachloroethene	8.02	164	207736	25.063	ug/L	100
49) 2-Hexanone	8.18	43	290173	49.216	ug/L	99
50) Dibromochloromethane	8.29	129	240237	25.861	ug/L	99
51) 1,2-Dibromoethane	8.39	107	205629	25.962	ug/L	98
52) Chlorobenzene	8.92	112	679686	25.509	ug/L	99
53) Ethylbenzene	9.05	91	1116734	26.268	ug/L	99
54) m,p-Xylene	9.18	106	433172	26.802	ug/L	99
55) o-xylene	9.58	106	412912	26.814	ug/L	99
56) Styrene	9.60	104	746836	27.564	ug/L	99
57) Isopropylbenzene	9.97	105	1097474	27.118	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	261142	26.120	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	210431	25.501	ug/L	100
62) Bromoform	9.77	173	153576	24.992	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	566759	25.426	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	576899	24.660	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	533344	25.085	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	45449	24.111	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	431835	24.767	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	361050	23.680	ug/L	100
69) Naphthalene	13.55	128	746460	24.341	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	355652	24.261	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

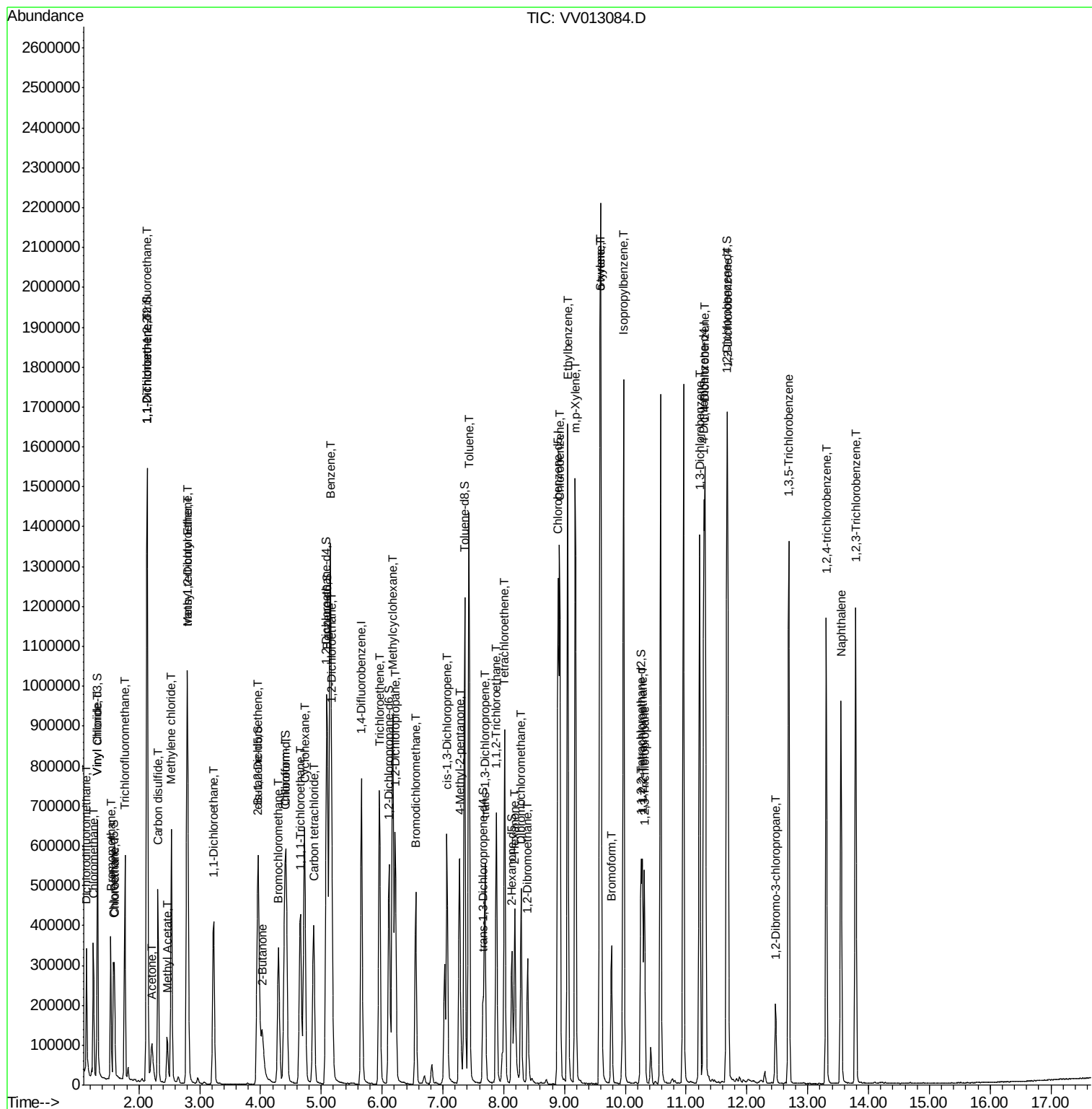
Quant Time: Oct 10 07:52:42 2019

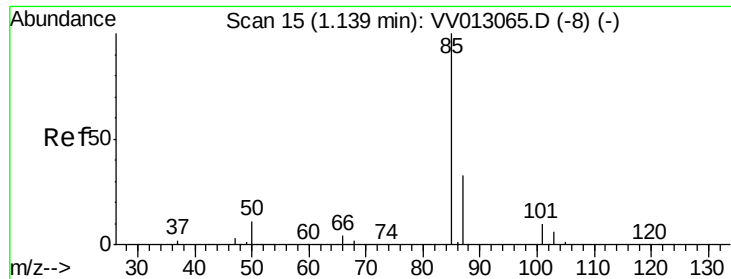
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM092319S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 07:47:18 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 25.324 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

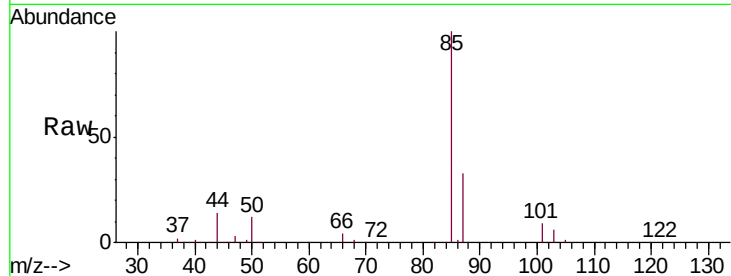
VSTD02589

Tgt Ion: 85 Resp: 184743

Ion Ratio Lower Upper

85 100

87 32.5 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV013065.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013065.D (-8) (-)

1.14

200000

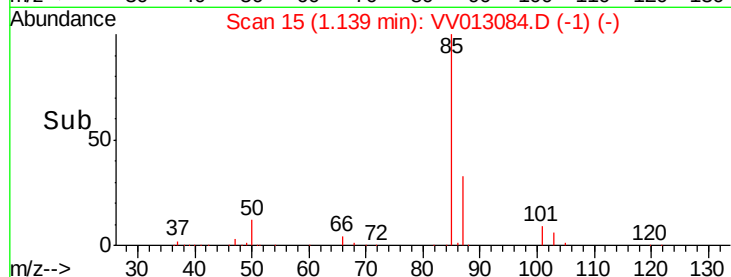
150000

100000

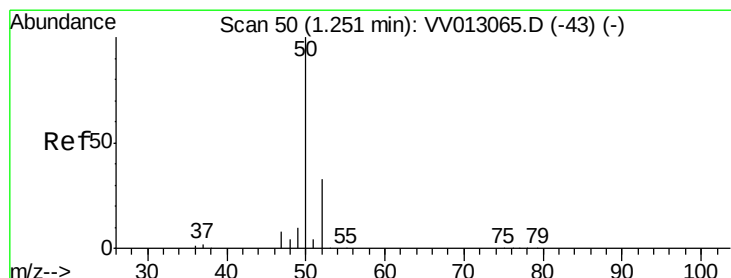
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 24.184 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013084.D

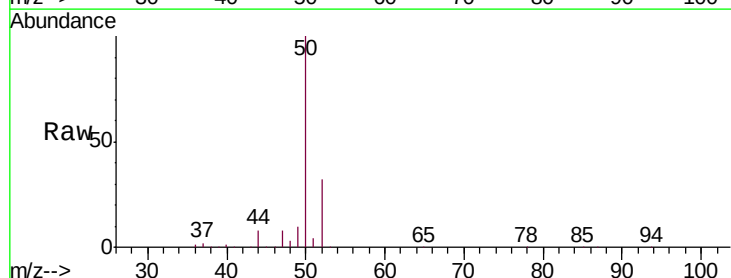
Acq: 09 Oct 2019 19:19

Tgt Ion: 50 Resp: 230403

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV013065.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV013065.D (-43) (-)

250000

200000

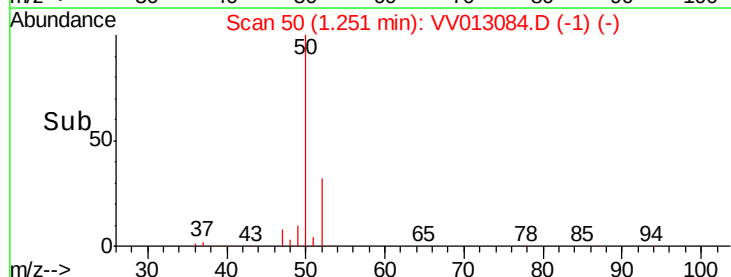
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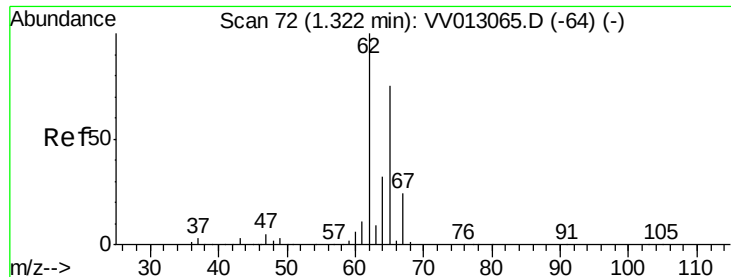
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 24.803 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

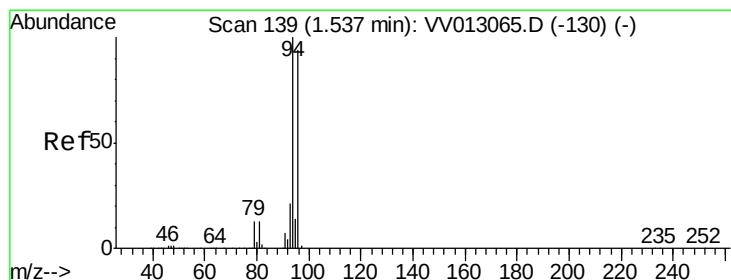
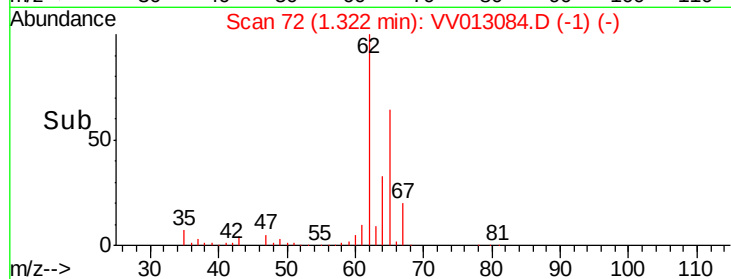
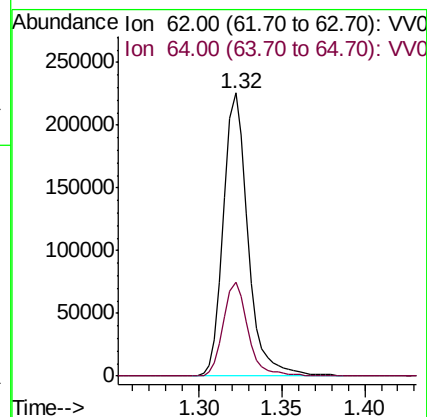
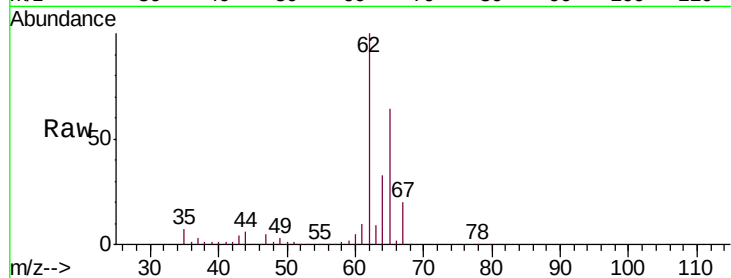
VSTD02589

Tgt Ion: 62 Resp: 233292

Ion Ratio Lower Upper

62 100

64 33.0 22.7 42.1



#6

Bromomethane

Concen: 26.147 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV013084.D

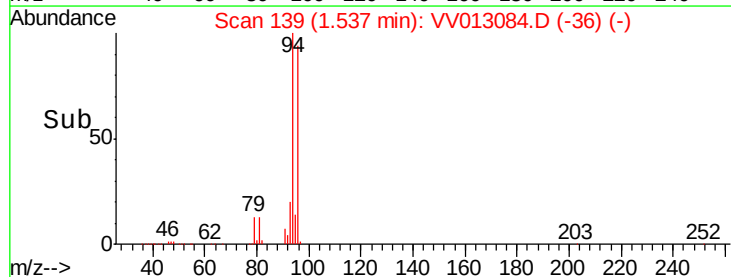
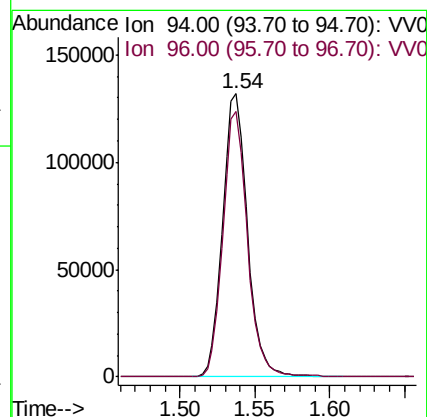
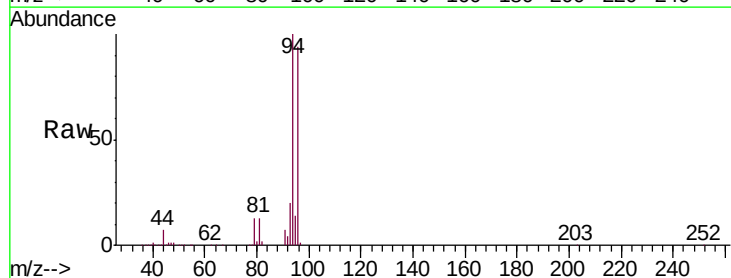
Acq: 09 Oct 2019 19:19

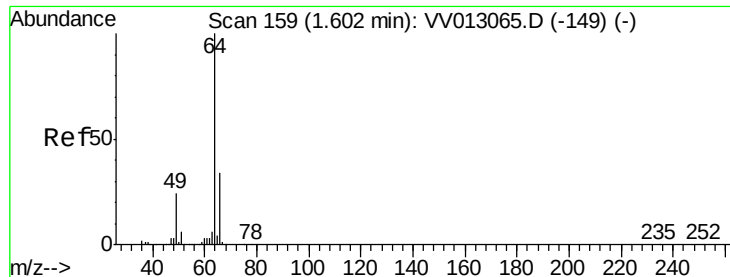
Tgt Ion: 94 Resp: 153529

Ion Ratio Lower Upper

94 100

96 92.5 9.4 177.8

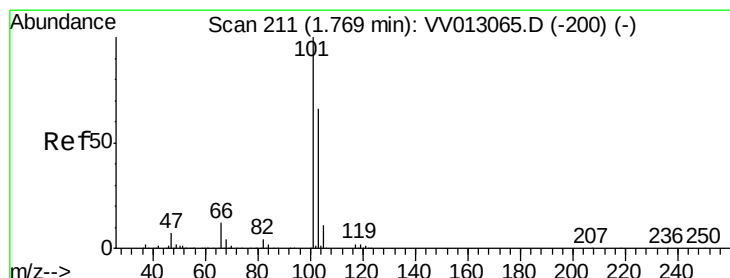
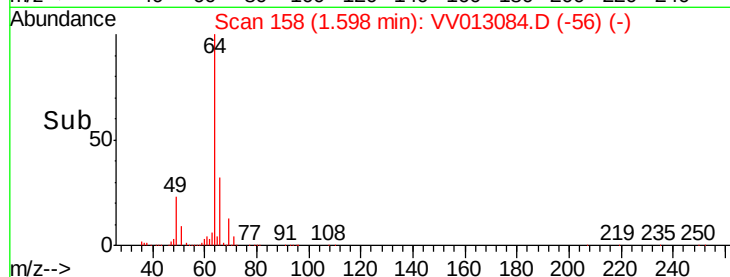
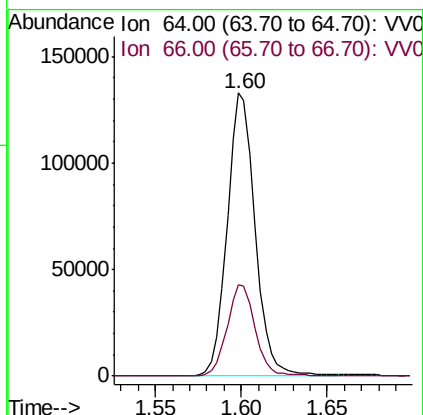
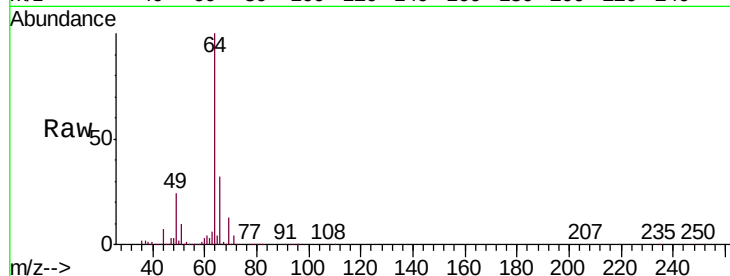




#8
Chloroethane
Concen: 26.085 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

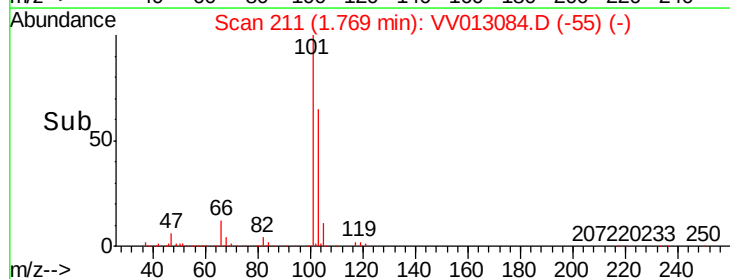
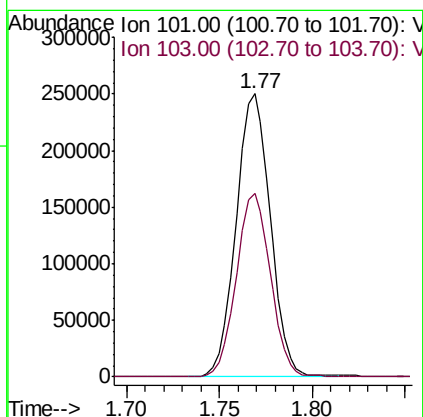
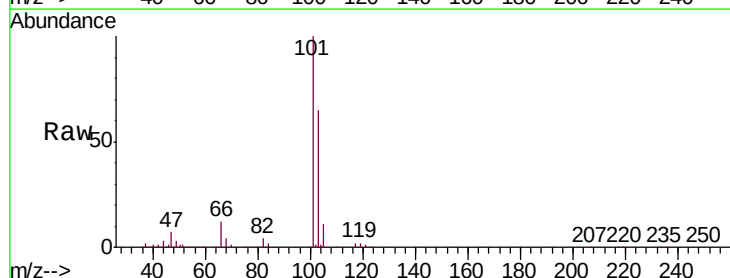
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

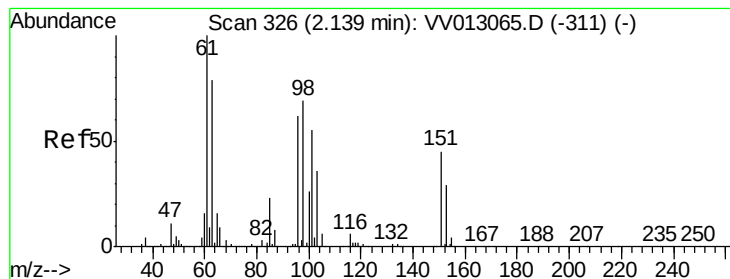
Tgt Ion: 64 Resp: 150772
Ion Ratio Lower Upper
64 100
66 32.4 22.2 41.2



#9
Trichlorofluoromethane
Concen: 25.260 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 101 Resp: 321351
Ion Ratio Lower Upper
101 100
103 64.8 45.1 83.9





#11

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

Concen: 24.866 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

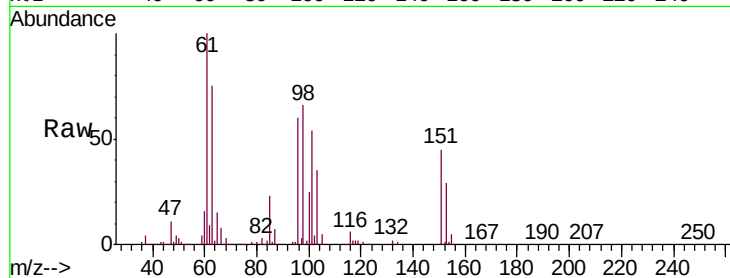
Tgt Ion: 101 Resp: 202187

Ion Ratio Lower Upper

101 100

85 41.8 32.6 49.0

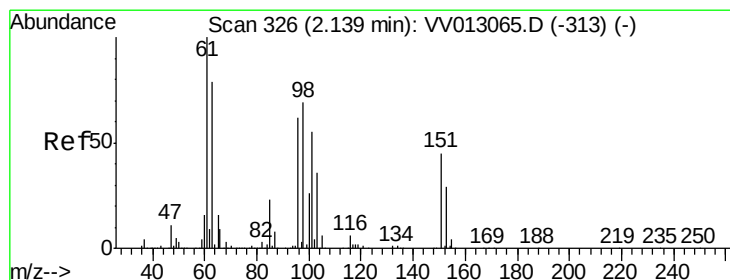
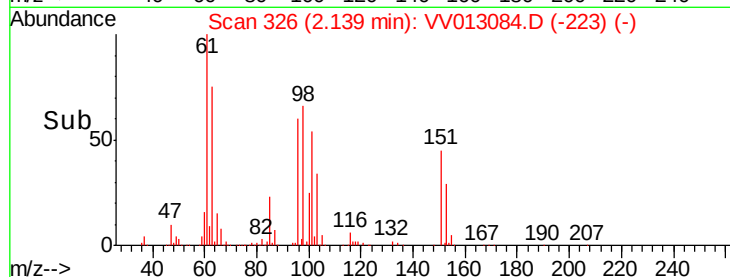
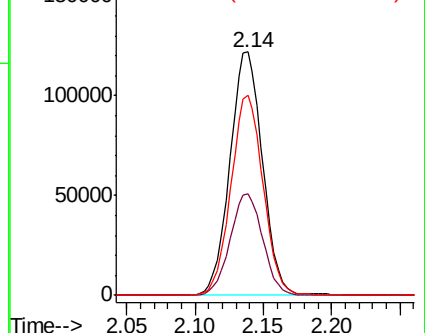
151 81.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV013065.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV013065.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV013065.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 25.198 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

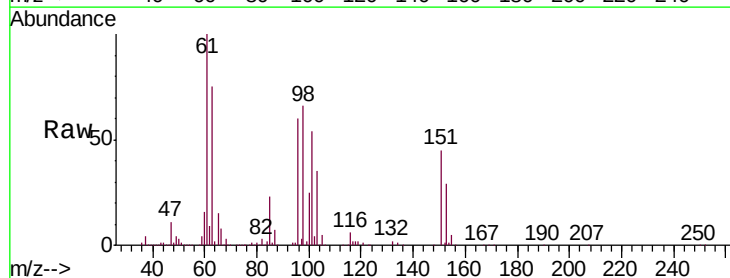
Tgt Ion: 96 Resp: 188689

Ion Ratio Lower Upper

96 100

61 165.9 117.2 217.8

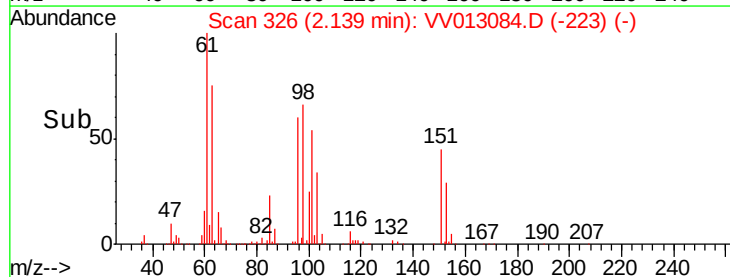
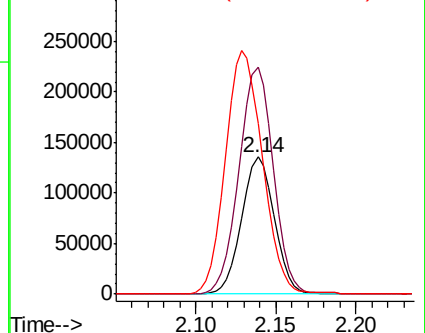
63 124.7 89.6 166.4

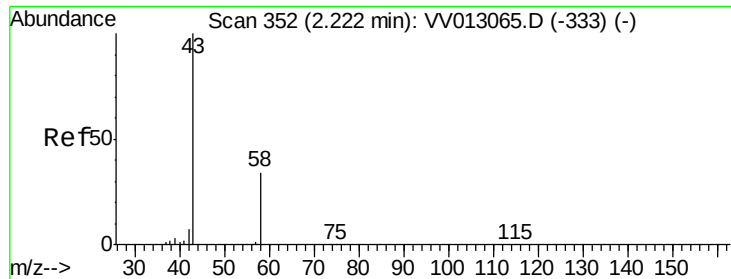


Abundance Ion 96.00 (95.70 to 96.70): VV013065.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV013065.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV013065.D (-313) (-)





#13

Acetone

Concen: 44.365 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

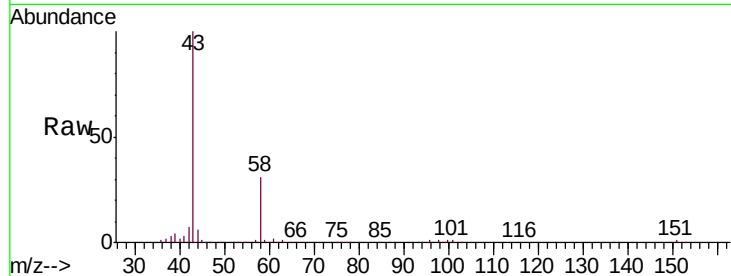
VSTD02589

Tgt Ion: 43 Resp: 167343

Ion Ratio Lower Upper

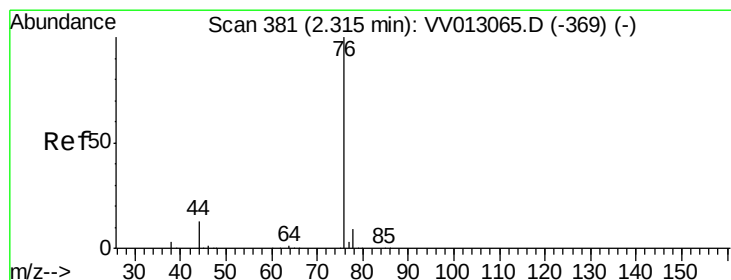
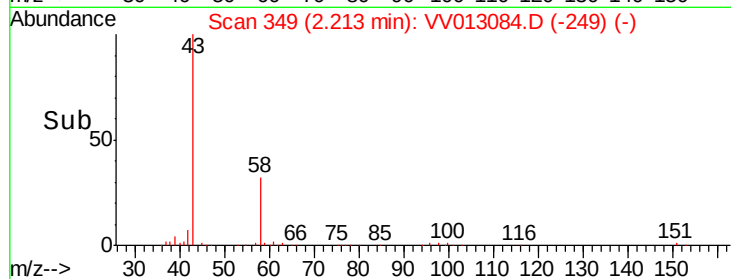
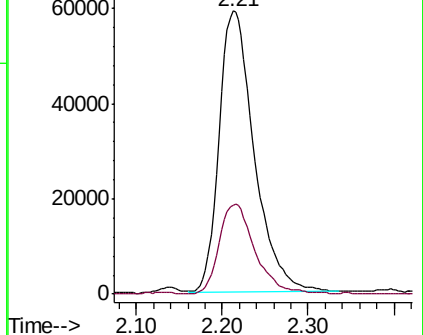
43 100

58 32.8 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV013065.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV013065.D (-333) (-)



#14

Carbon disulfide

Concen: 22.646 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013084.D

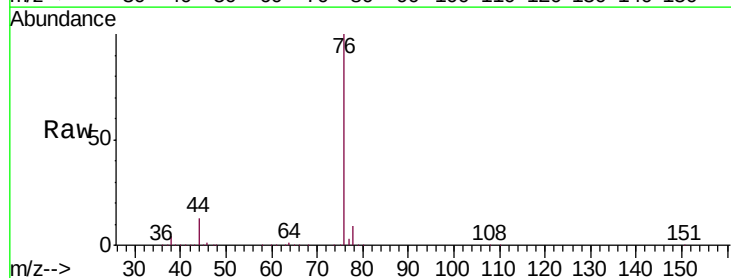
Acq: 09 Oct 2019 19:19

Tgt Ion: 76 Resp: 541688

Ion Ratio Lower Upper

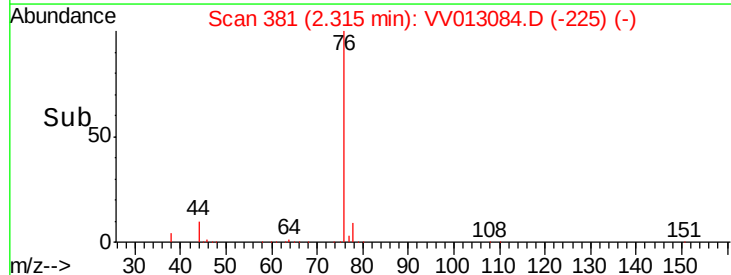
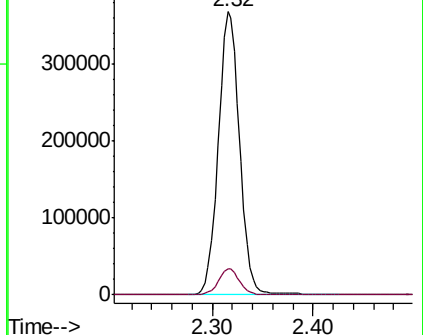
76 100

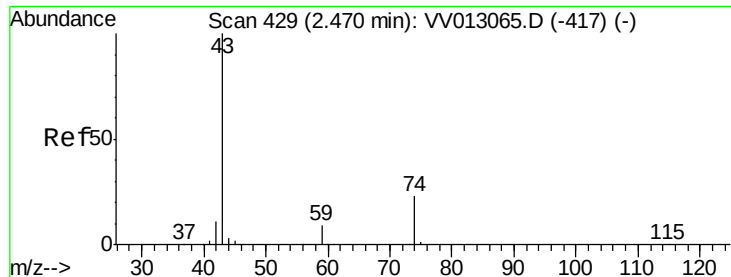
78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV013065.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV013065.D (-369) (-)

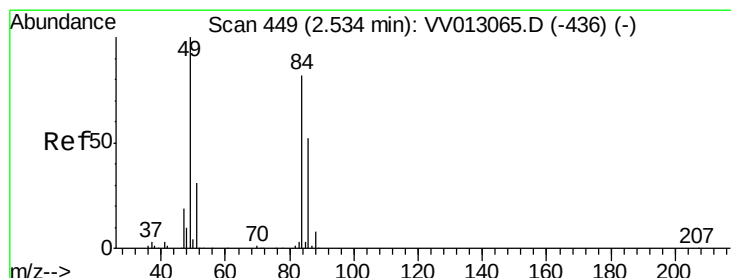
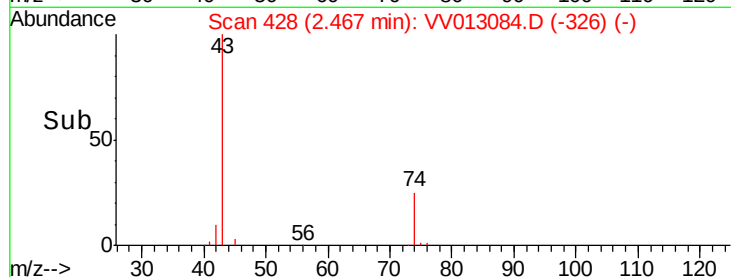
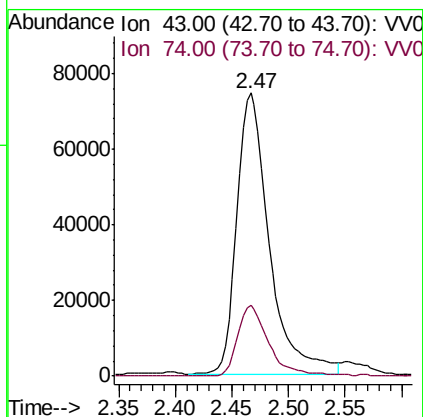
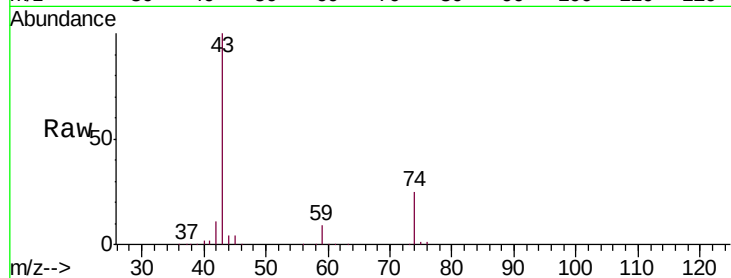




#15
Methyl Acetate
Concen: 25.553 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

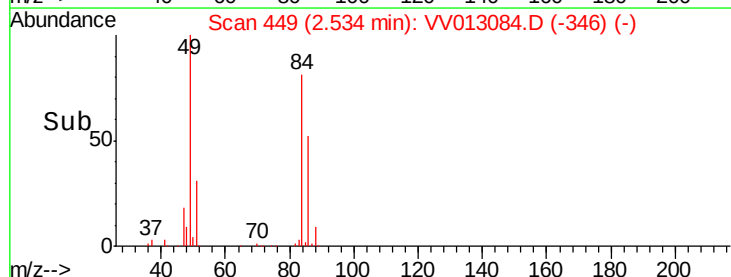
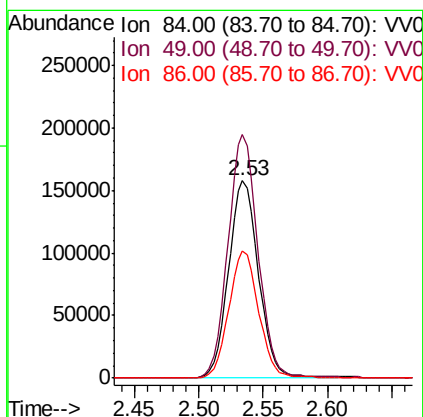
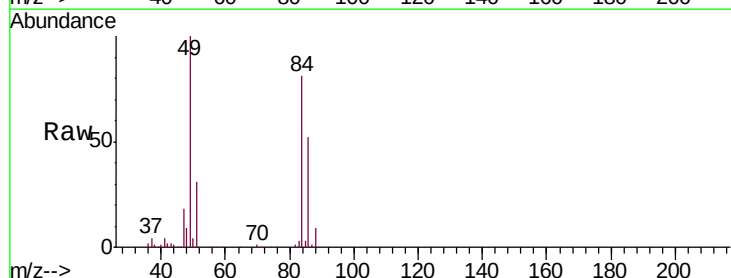
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

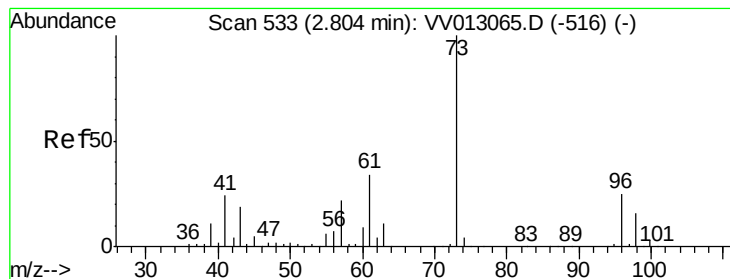
Tgt Ion: 43 Resp: 149496
Ion Ratio Lower Upper
43 100
74 23.5 18.8 28.2



#16
Methylene chloride
Concen: 25.735 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 84 Resp: 254808
Ion Ratio Lower Upper
84 100
49 123.4 88.3 164.1
86 64.2 44.9 83.3





#17

Methyl tert-butyl Ether

Concen: 25.732 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

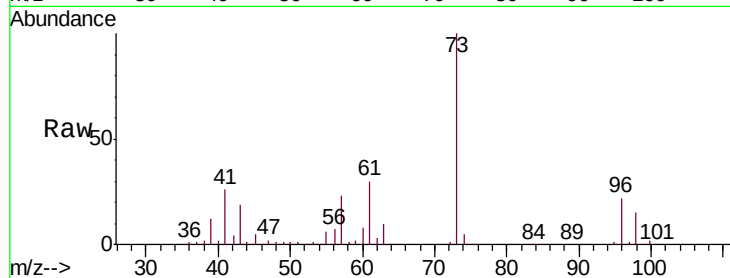
Tgt Ion: 73 Resp: 565374

Ion Ratio Lower Upper

73 100

43 18.9 15.0 22.6

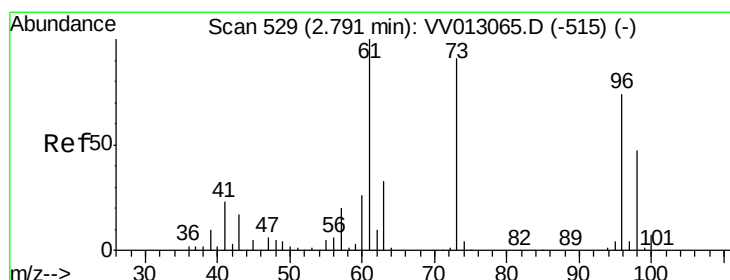
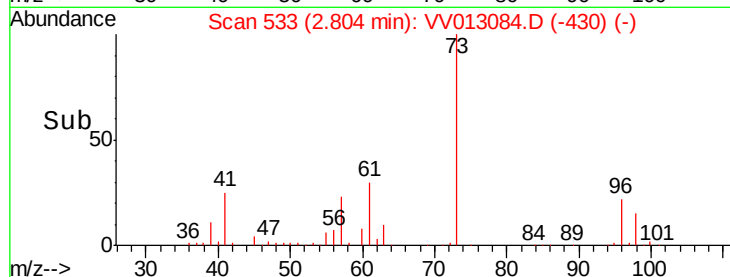
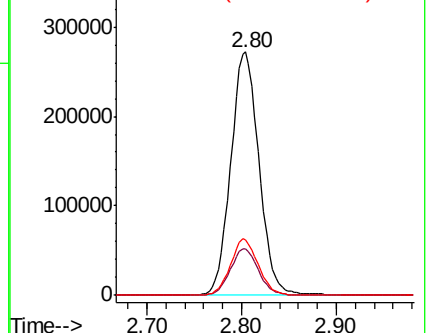
57 22.7 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 24.971 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

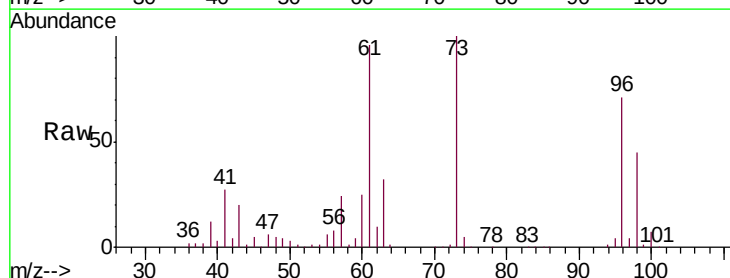
Tgt Ion: 96 Resp: 221335

Ion Ratio Lower Upper

96 100

61 136.6 96.8 179.8

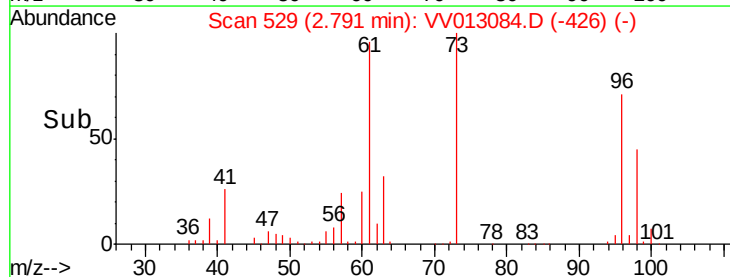
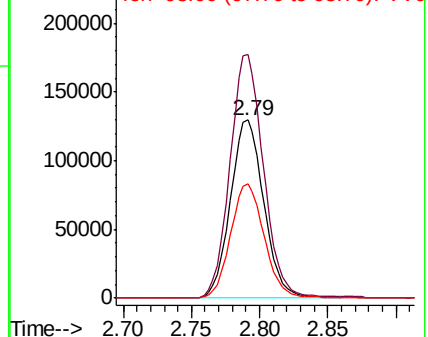
98 64.1 44.8 83.2

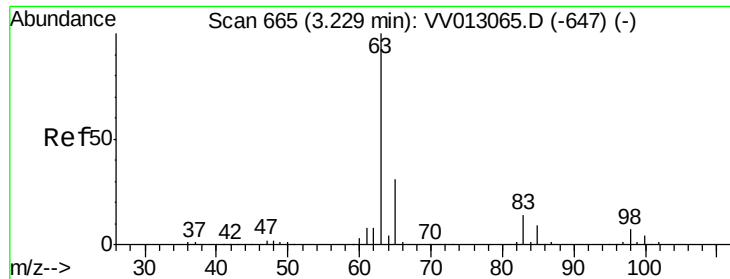


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

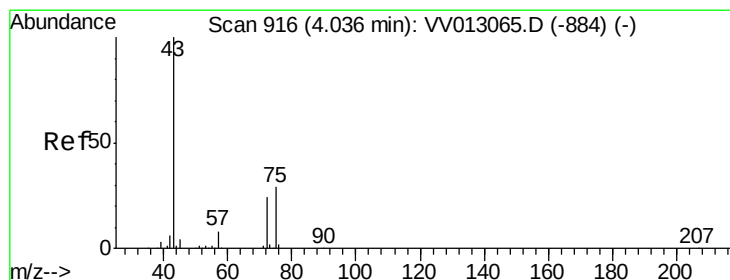
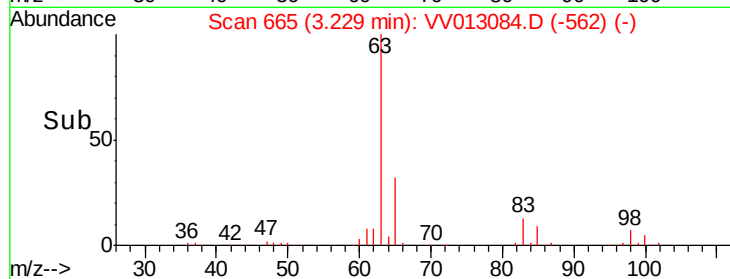
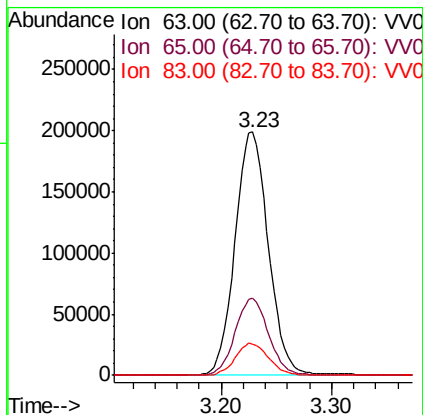
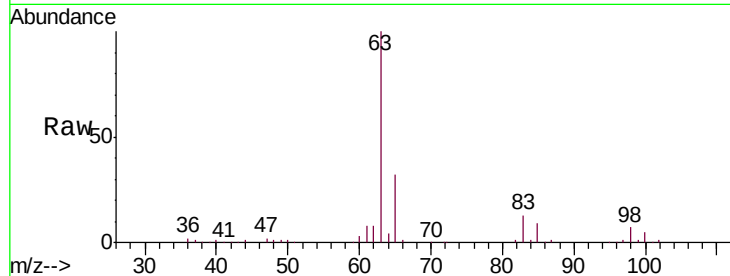




#19
 1,1-Dichloroethane
 Concen: 25.762 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

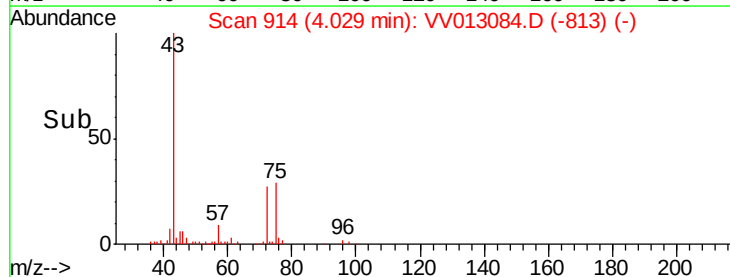
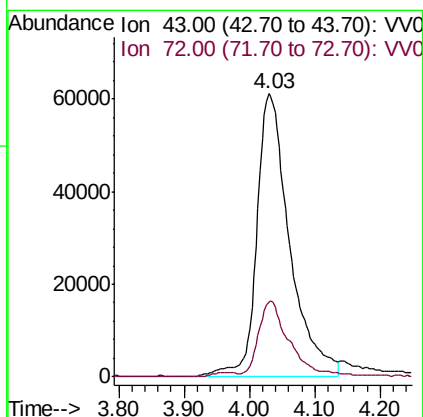
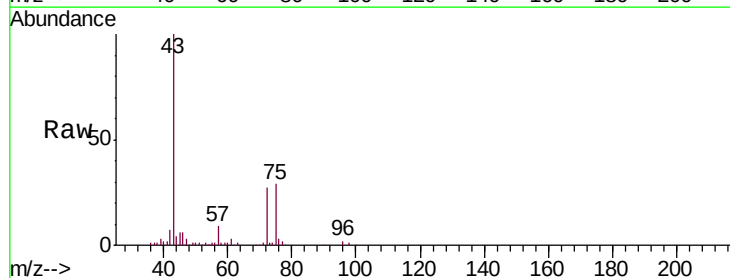
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

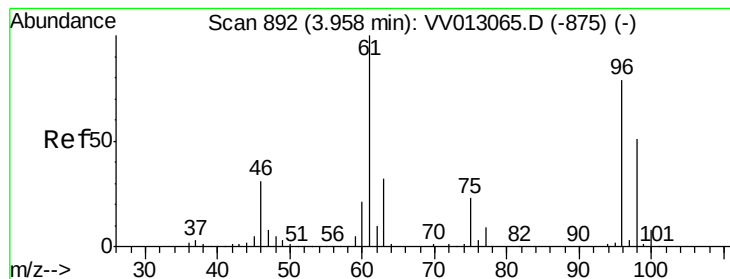
Tgt Ion: 63 Resp: 416699
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 12.8 9.2 17.0



#21
 2-Butanone
 Concen: 48.508 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion: 43 Resp: 212938
 Ion Ratio Lower Upper
 43 100
 72 22.4 11.9 35.9



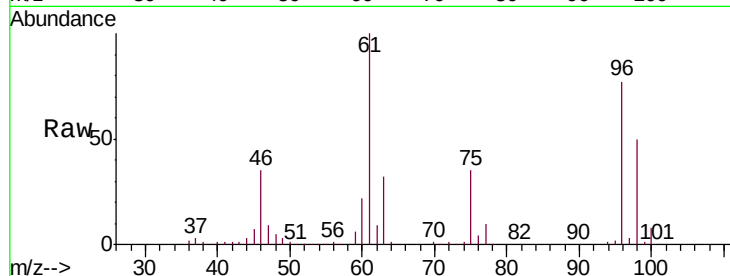


#22

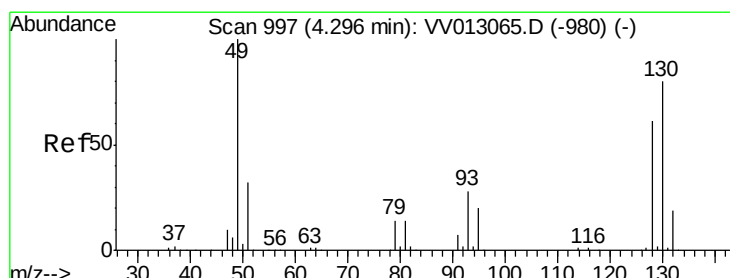
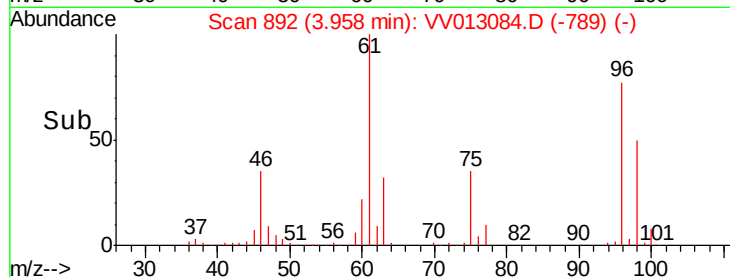
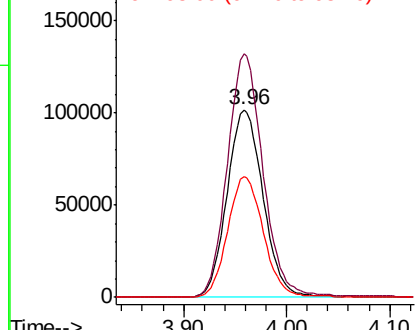
cis-1,2-Dichloroethene
 Concen: 25.553 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion: 96 Resp: 247885
 Ion Ratio Lower Upper
 96 100
 61 129.7 90.9 168.7
 98 64.6 45.6 84.6



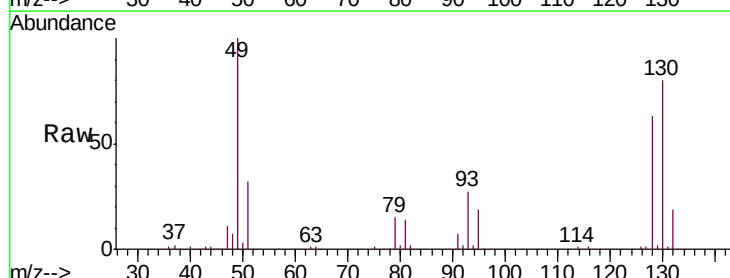
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



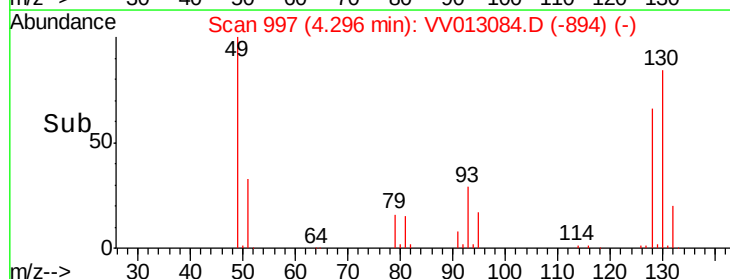
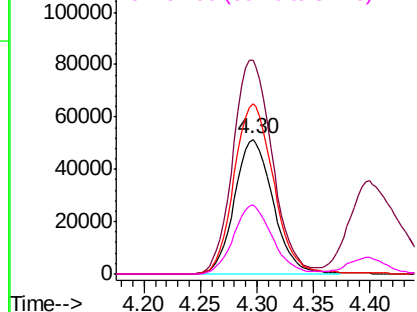
#23

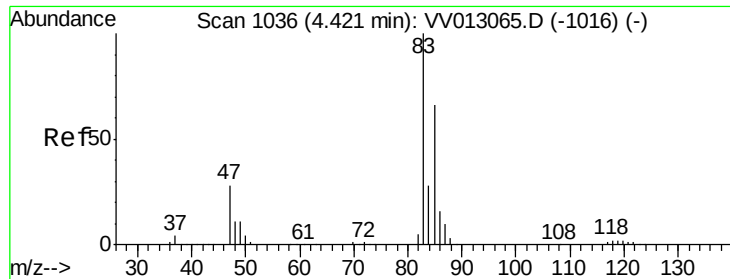
Bromochloromethane
 Concen: 25.562 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion: 128 Resp: 122485
 Ion Ratio Lower Upper
 128 100
 49 158.8 114.4 212.6
 130 126.8 88.5 164.4
 51 51.1 41.4 62.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

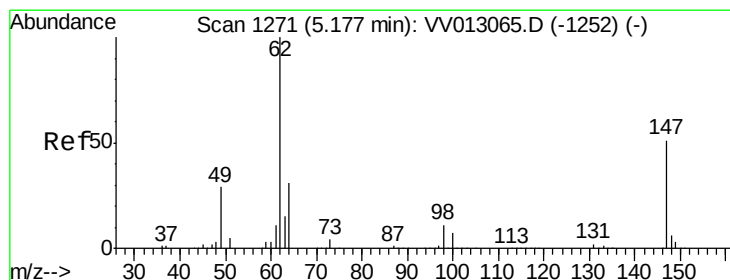
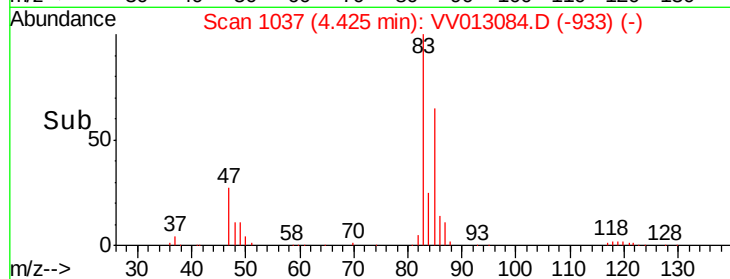
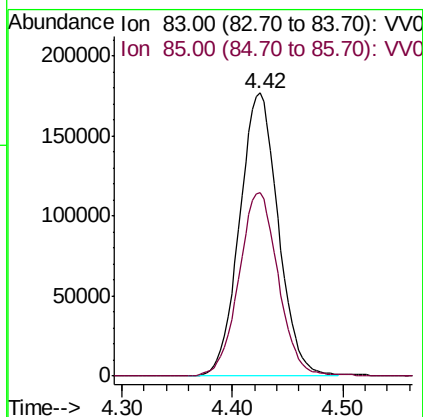
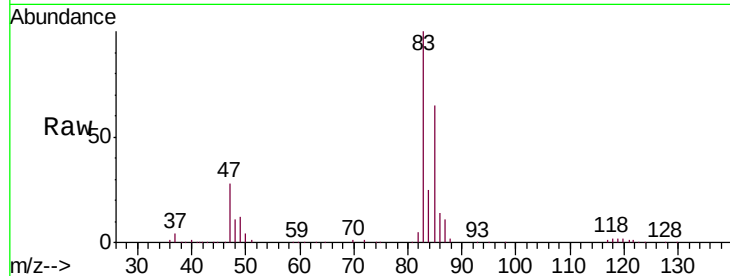




#25
Chloroform
Concen: 25.358 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

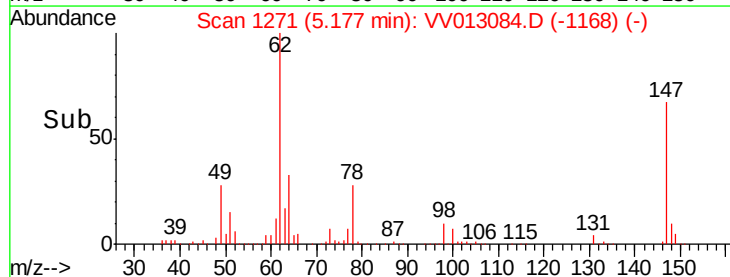
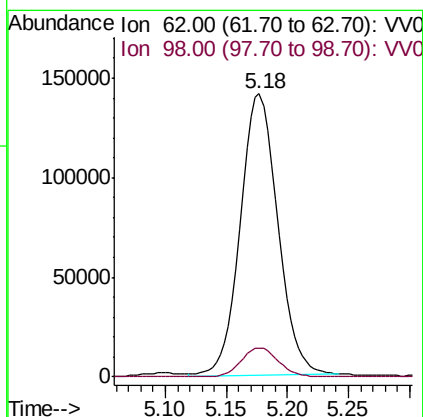
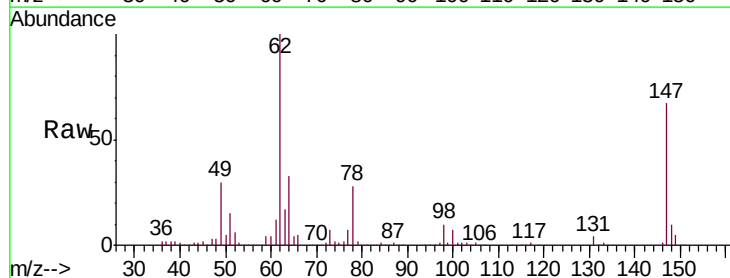
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

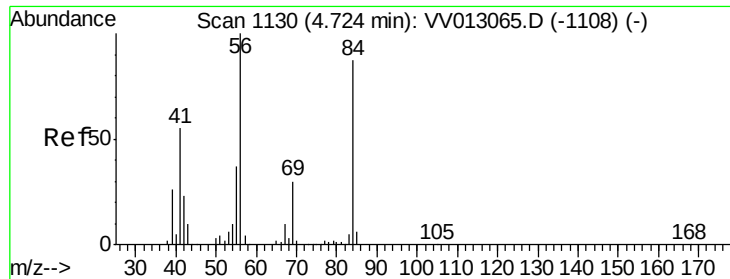
Tgt Ion: 83 Resp: 430057
Ion Ratio Lower Upper
83 100
85 66.2 45.8 85.0



#27
1,2-Dichloroethane
Concen: 25.054 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 62 Resp: 300315
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.4

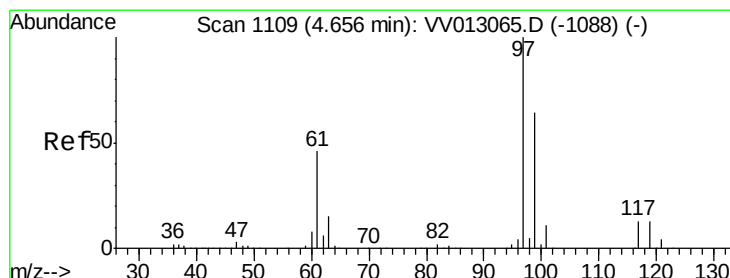
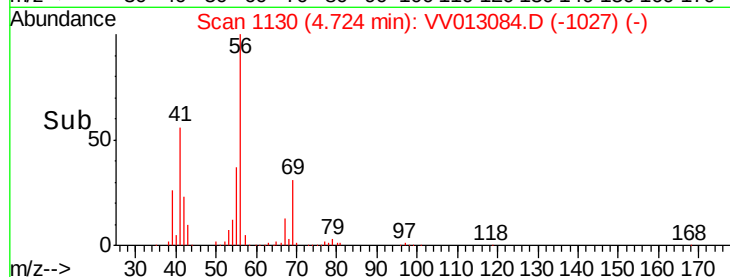
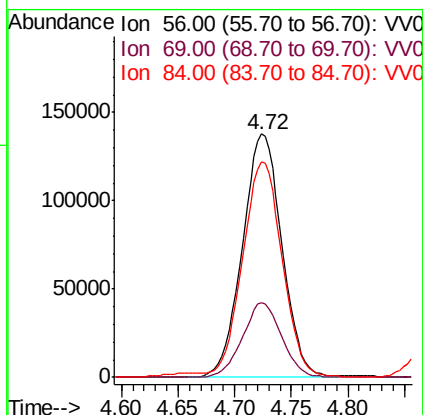
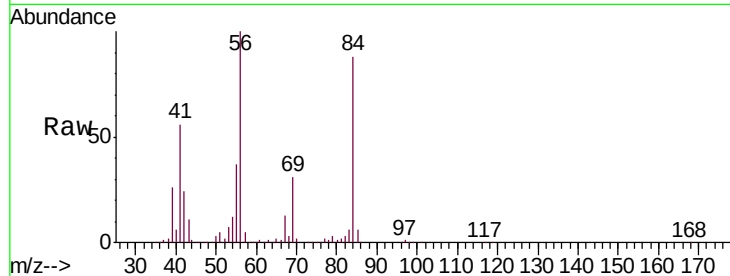




#30
Cyclohexane
Concen: 23.748 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

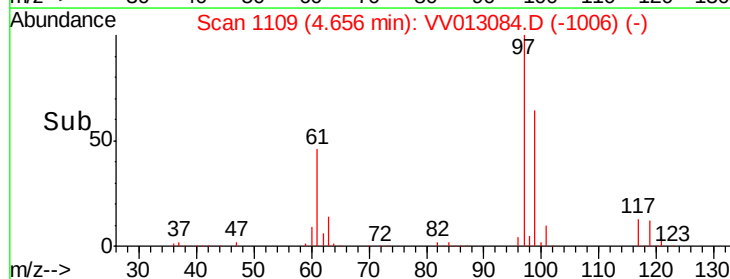
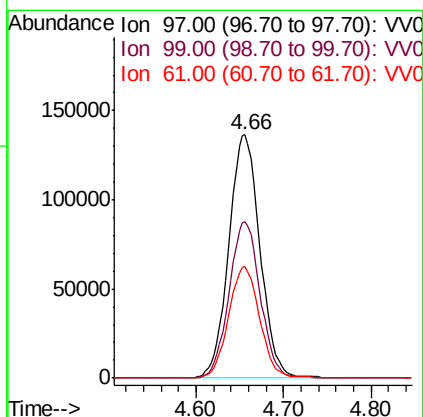
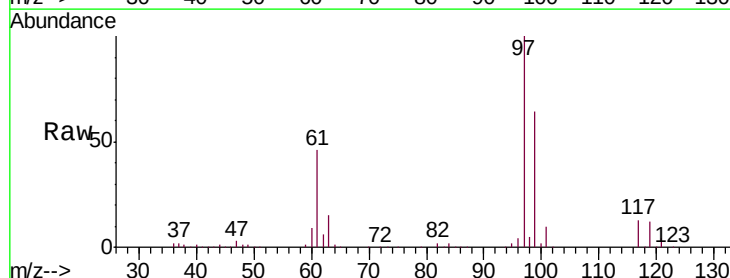
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

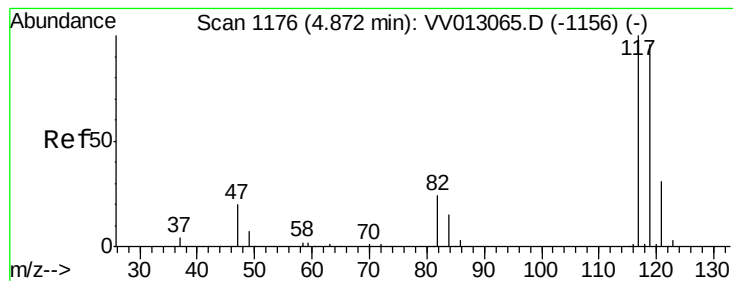
Tgt Ion: 56 Resp: 335086
Ion Ratio Lower Upper
56 100
69 30.6 23.8 35.8
84 88.5 68.4 102.6



#31
1,1,1-Trichloroethane
Concen: 25.905 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 97 Resp: 337195
Ion Ratio Lower Upper
97 100
99 63.9 51.7 77.5
61 45.8 37.8 56.8





#32

Carbon tetrachloride

Concen: 25.114 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

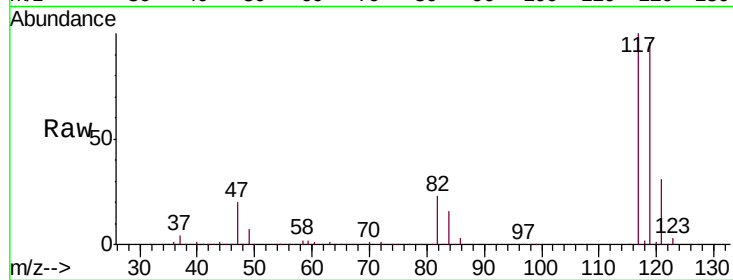
VSTD02589

Tgt Ion:117 Resp: 296413

Ion Ratio Lower Upper

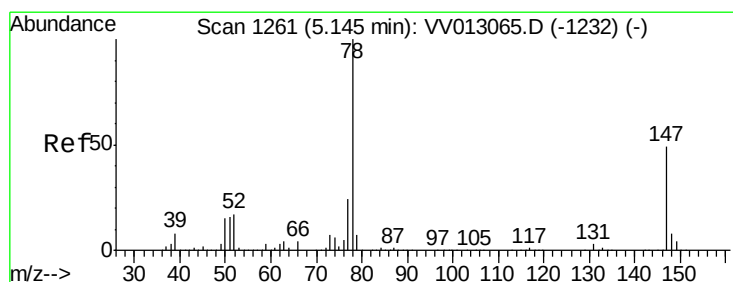
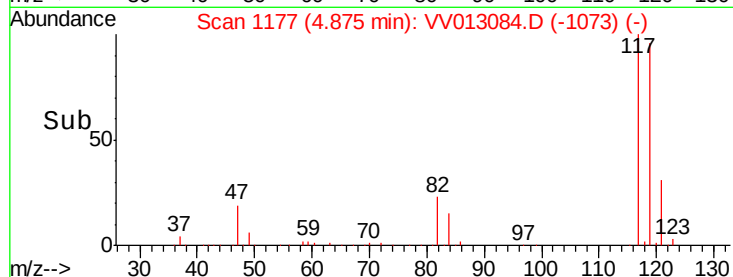
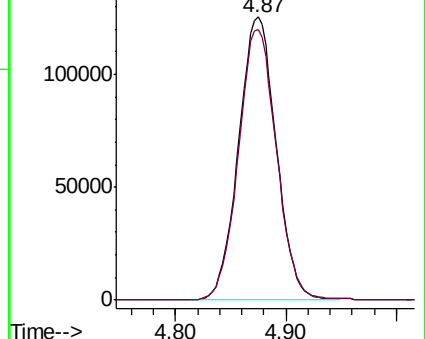
117 100

119 96.6 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 26.169 ug/L

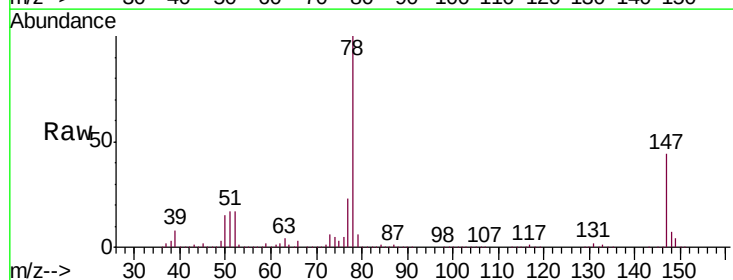
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

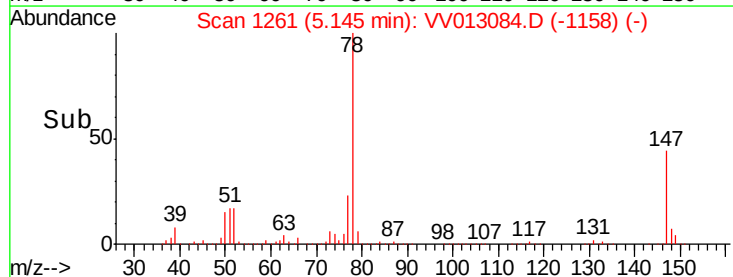
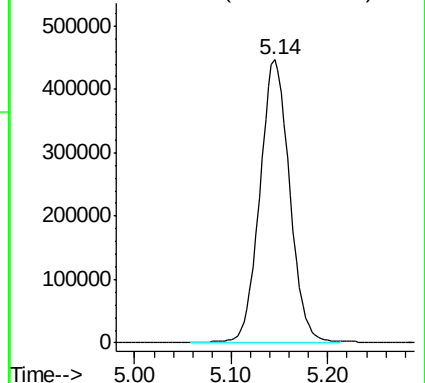
Lab File: VV013084.D

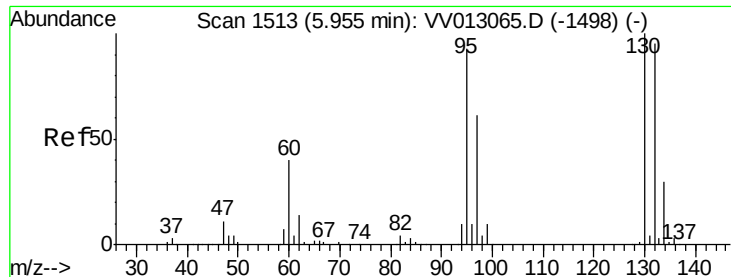
Acq: 09 Oct 2019 19:19

Tgt Ion: 78 Resp: 958019



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 24.765 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

Tgt Ion: 95 Resp: 252563

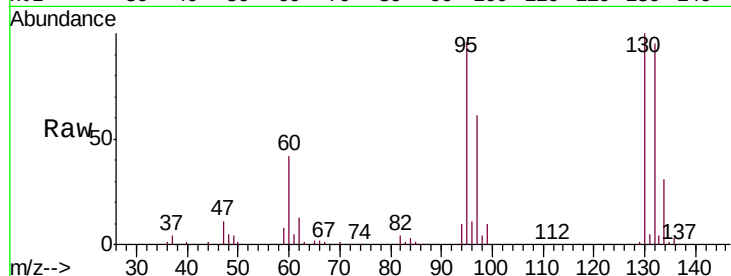
Ion Ratio Lower Upper

95 100

97 64.3 44.7 82.9

132 100.5 70.1 130.1

130 104.9 73.3 136.1

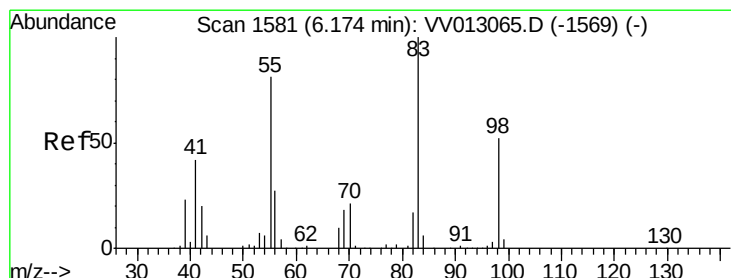
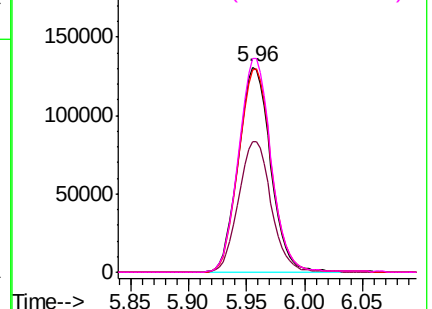
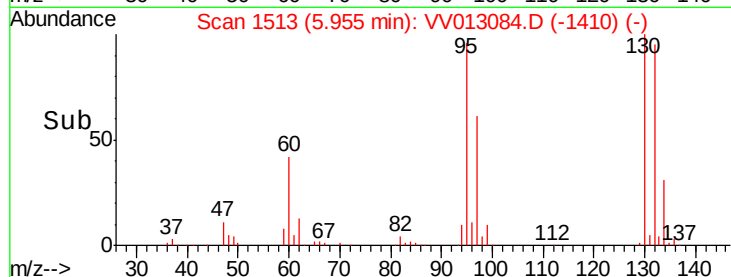


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 23.567 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

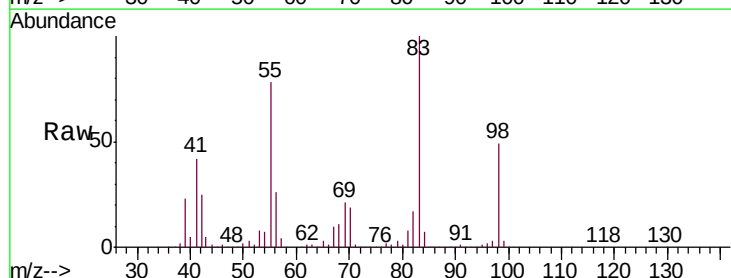
Tgt Ion: 83 Resp: 368954

Ion Ratio Lower Upper

83 100

55 77.9 61.8 92.8

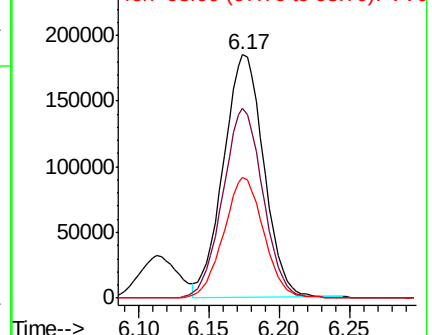
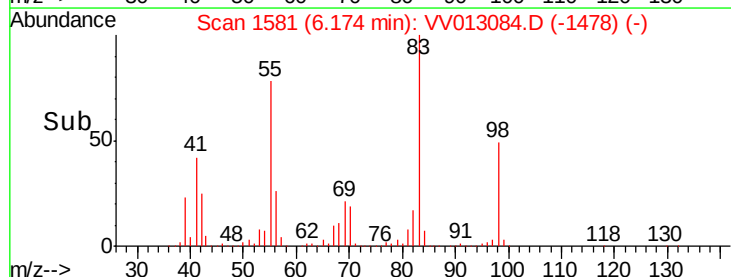
98 49.5 39.3 58.9

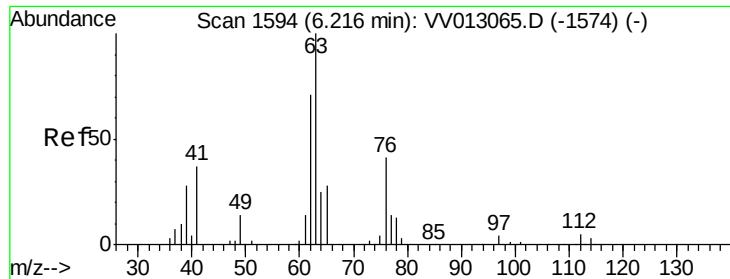


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

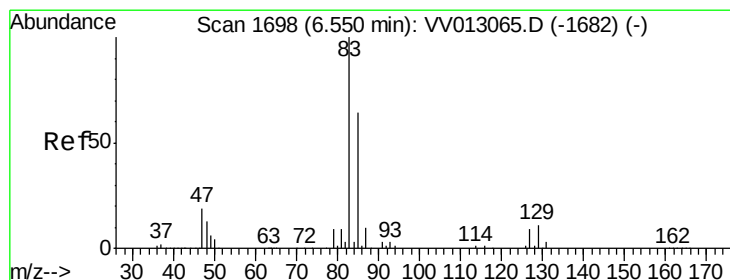
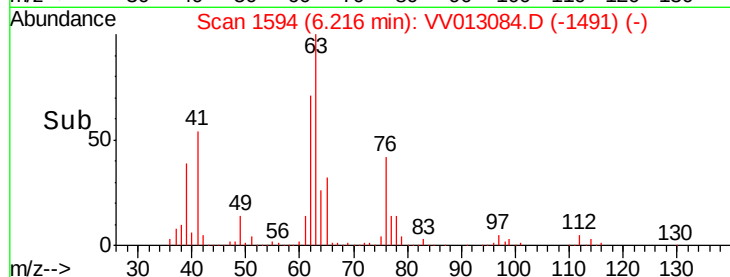
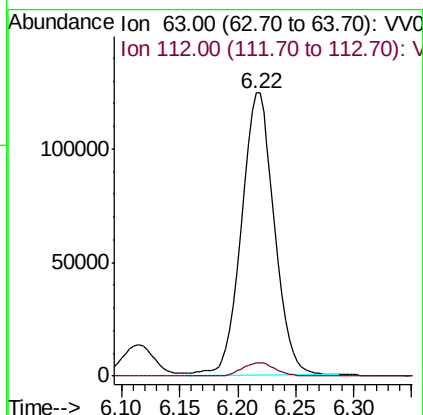
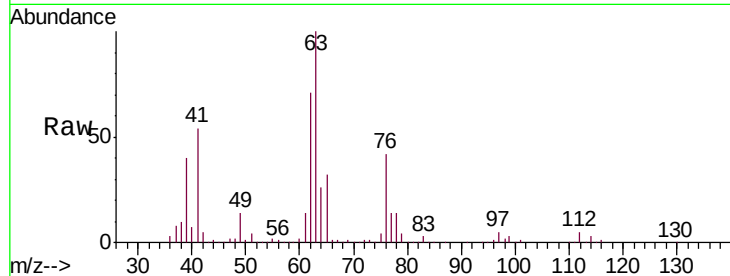




#40
 1,2-Dichloropropane
 Concen: 25.643 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

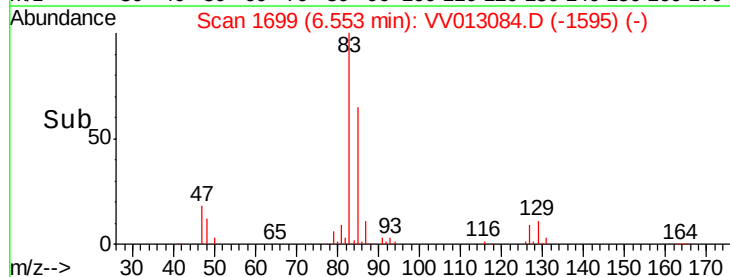
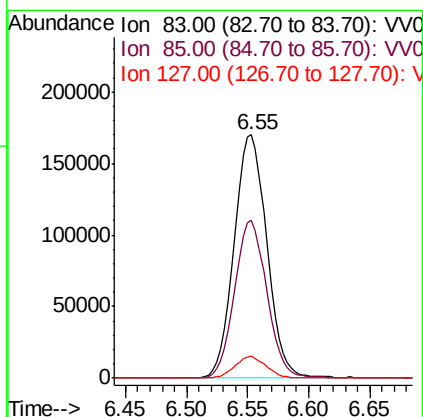
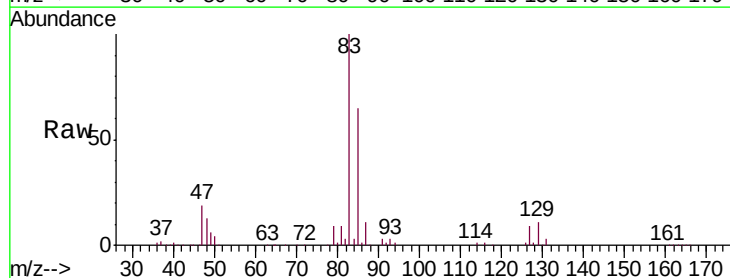
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

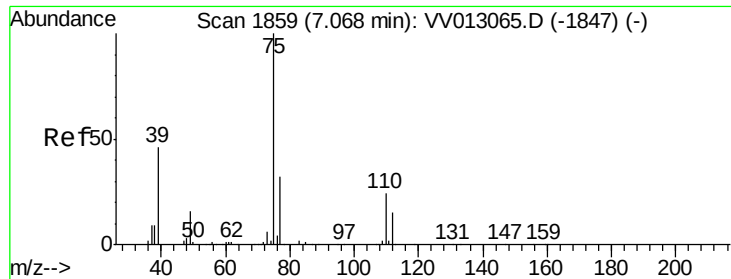
Tgt Ion: 63 Resp: 244121
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#41
 Bromodichloromethane
 Concen: 25.920 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion: 83 Resp: 316070
 Ion Ratio Lower Upper
 83 100
 85 64.6 45.3 84.1
 127 8.9 7.2 10.8



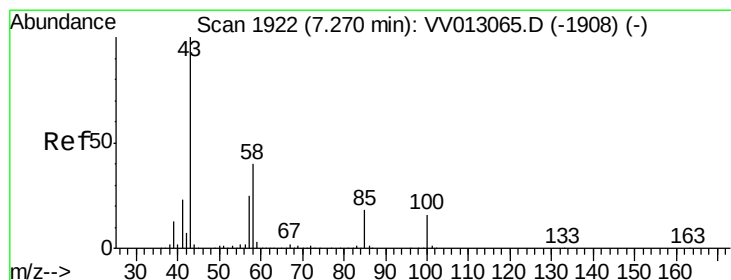
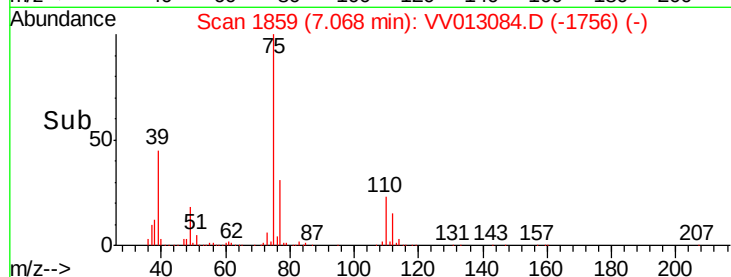
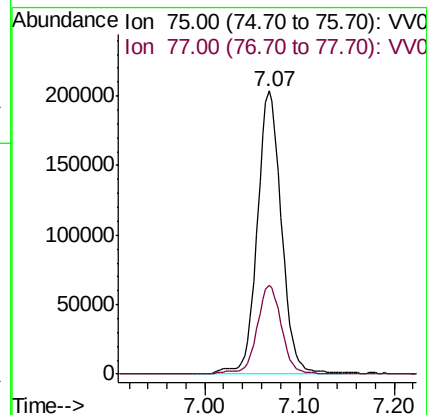
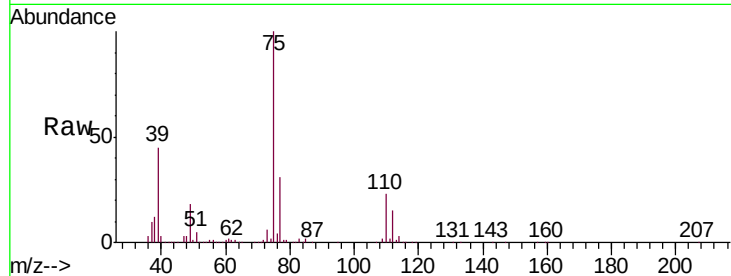


#42

cis-1,3-Dichloropropene
Concen: 25.903 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

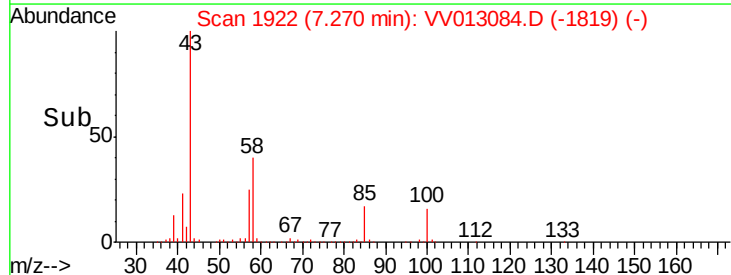
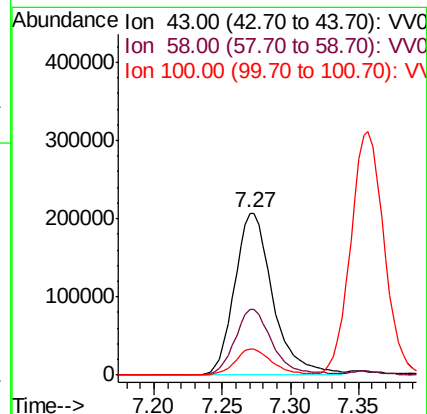
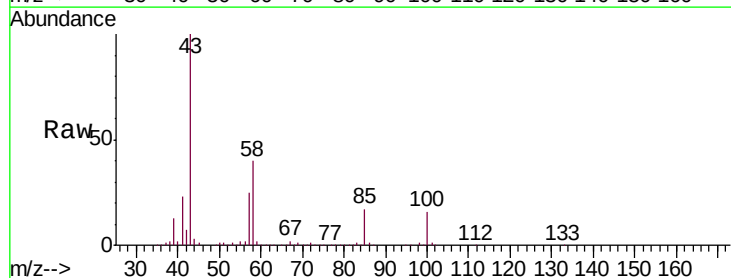
Tgt Ion: 75 Resp: 362356
Ion Ratio Lower Upper
75 100
77 31.4 21.5 39.9

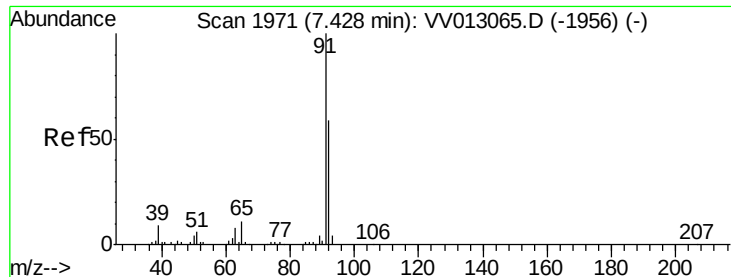


#43

4-Methyl-2-pentanone
Concen: 51.492 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 43 Resp: 402756
Ion Ratio Lower Upper
43 100
58 39.7 31.2 46.8
100 15.7 12.2 18.2





#44

Toluene

Concen: 26.606 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

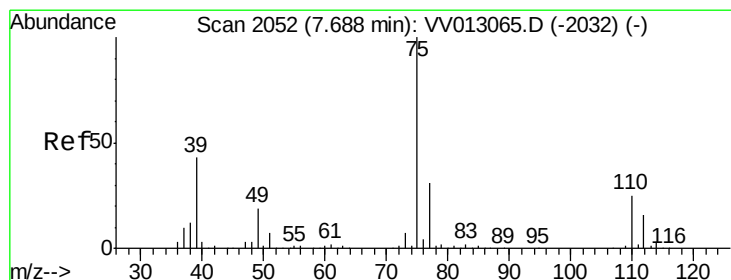
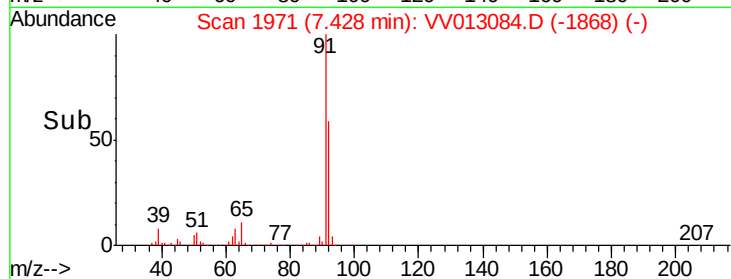
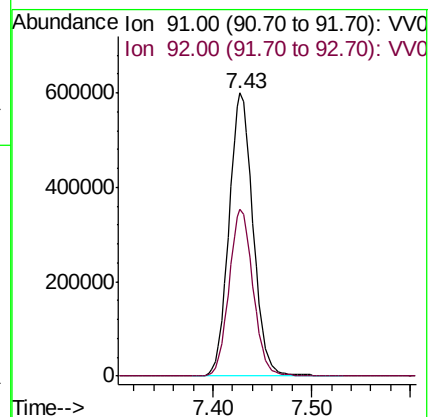
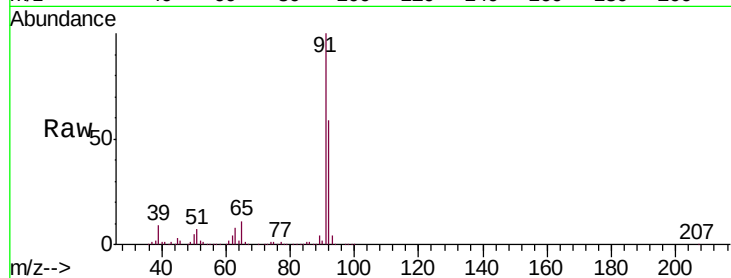
VSTD02589

Tgt Ion: 91 Resp: 1027294

Ion Ratio Lower Upper

91 100

92 59.0 41.3 76.7



#45

trans-1,3-Dichloropropene

Concen: 25.565 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013084.D

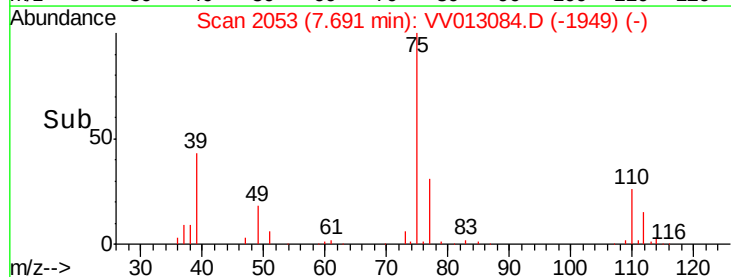
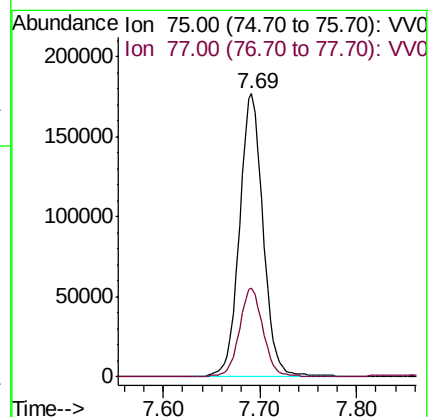
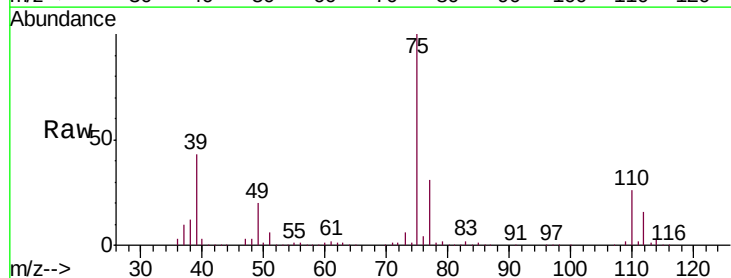
Acq: 09 Oct 2019 19:19

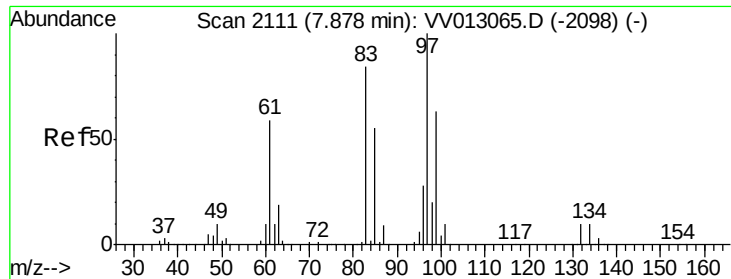
Tgt Ion: 75 Resp: 300982

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8

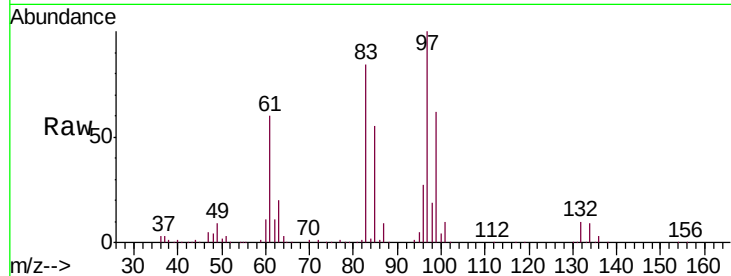




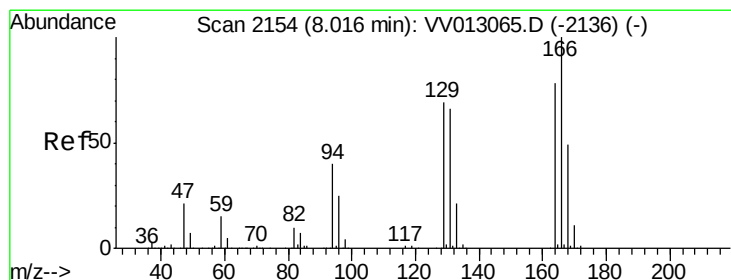
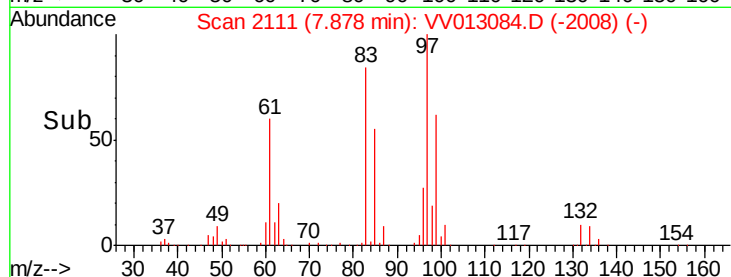
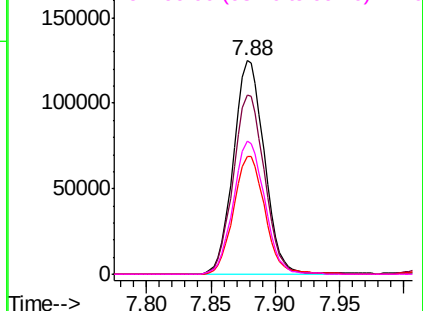
#46
 1,1,2-Trichloroethane
 Concen: 25.806 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion:	97	Resp:	208574
Ion	Ratio	Lower	Upper
97	100		
83	83.9	58.9	109.5
85	55.4	38.4	71.2
99	62.3	43.8	81.4

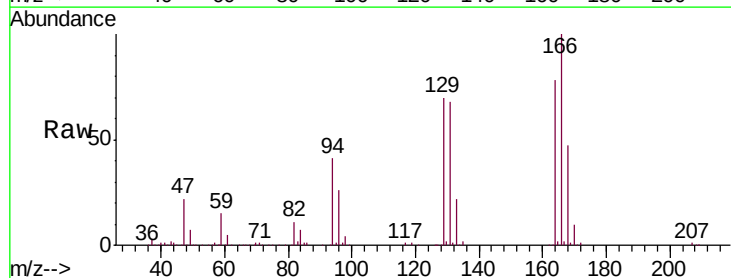


Abundance Ion 97.00 (96.70 to 97.70): VV013084.D (-2098) (-)
 Ion 83.00 (82.70 to 83.70): VV013084.D (-2098) (-)
 Ion 85.00 (84.70 to 85.70): VV013084.D (-2098) (-)
 Ion 99.00 (98.70 to 99.70): VV013084.D (-2098) (-)

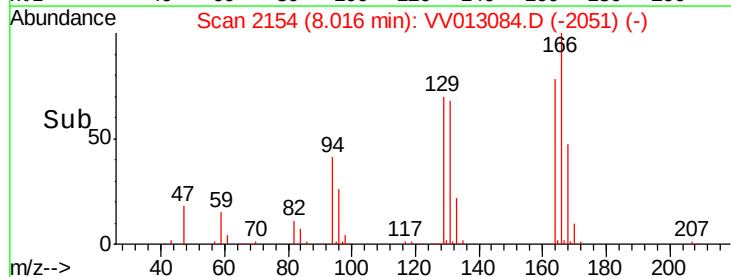
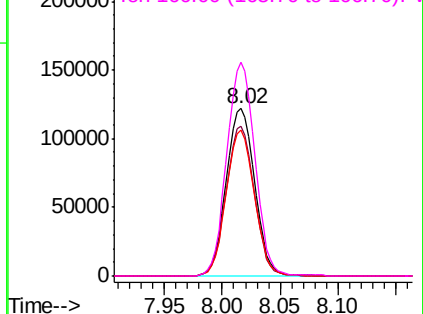


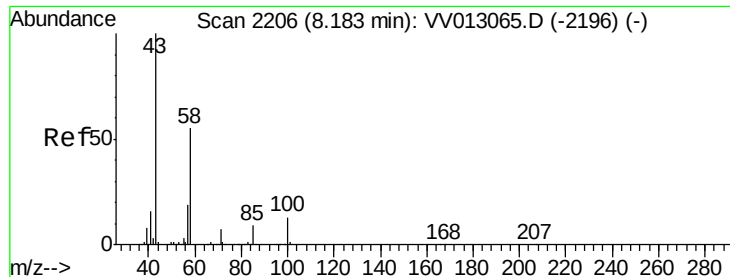
#47
 Tetrachloroethene
 Concen: 25.063 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion:	164	Resp:	207736
Ion	Ratio	Lower	Upper
164	100		
129	89.7	62.8	116.6
131	87.1	60.2	111.8
166	127.5	89.4	166.0



Abundance Ion 164.00 (163.70 to 164.70): VV013084.D (-2051) (-)
 Ion 129.00 (128.70 to 129.70): VV013084.D (-2051) (-)
 Ion 131.00 (130.70 to 131.70): VV013084.D (-2051) (-)
 Ion 166.00 (165.70 to 166.70): VV013084.D (-2051) (-)





#49

2-Hexanone

Concen: 49.216 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

Tgt Ion: 43 Resp: 290173

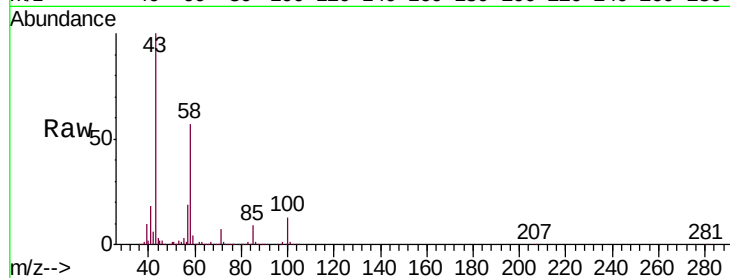
Ion Ratio Lower Upper

43 100

58 57.7 46.5 69.7

57 19.7 15.5 23.3

100 13.2 9.7 14.5

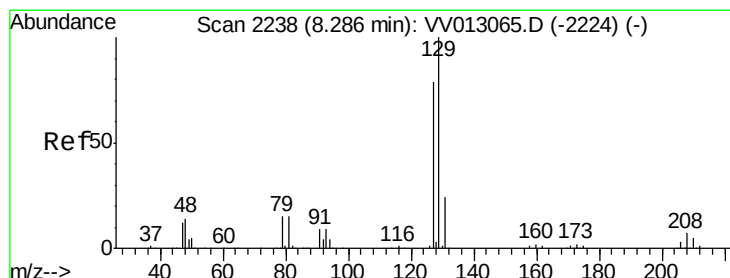
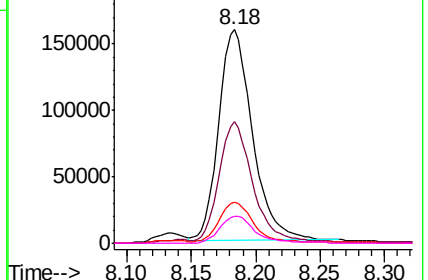
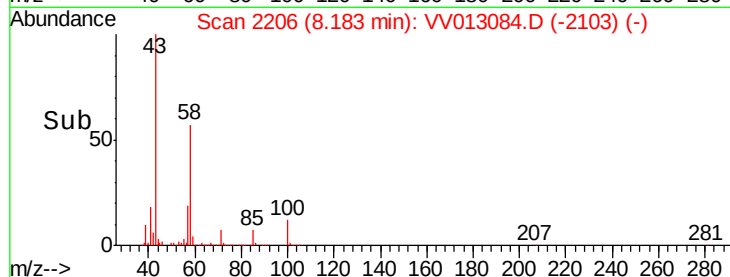


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 25.861 ug/L

RT: 8.29 min Scan# 2238

Delta R.T. 0.00 min

Lab File: VV013084.D

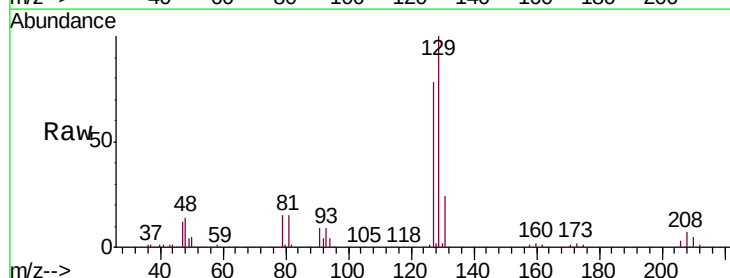
Acq: 09 Oct 2019 19:19

Tgt Ion: 129 Resp: 240237

Ion Ratio Lower Upper

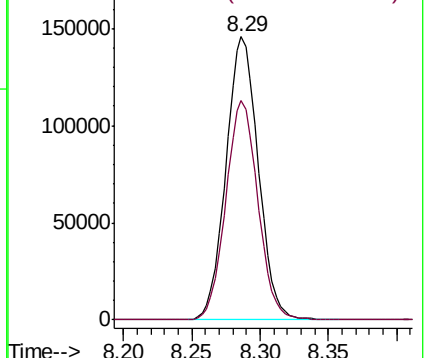
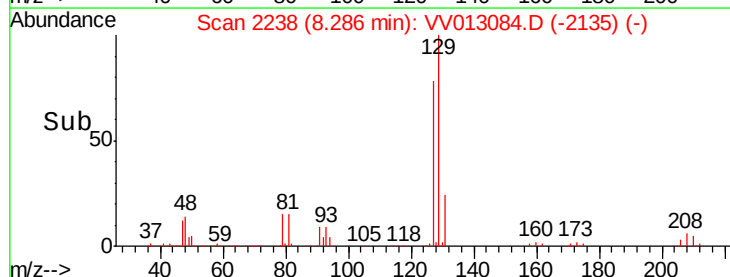
129 100

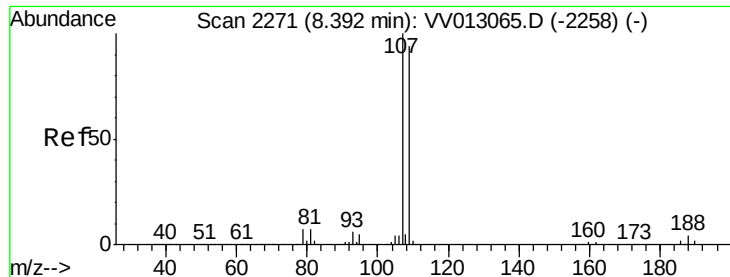
127 77.6 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 25.962 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

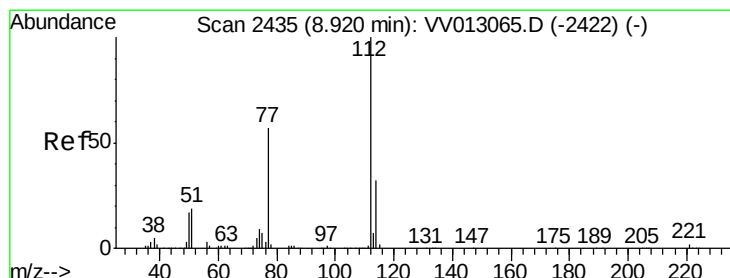
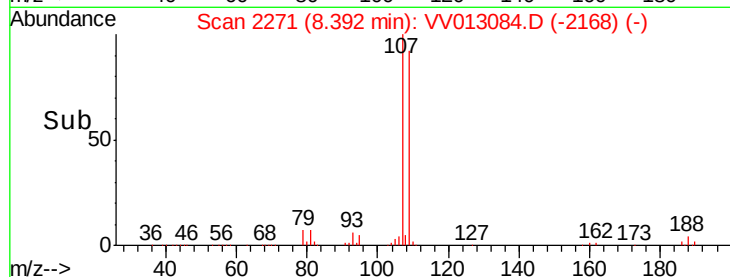
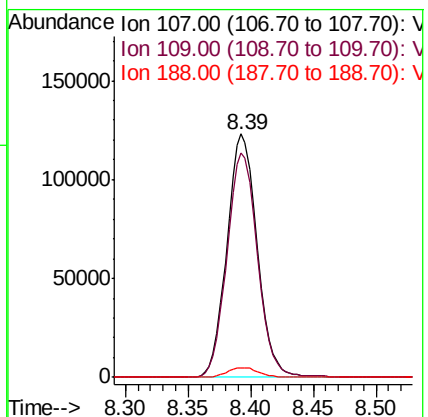
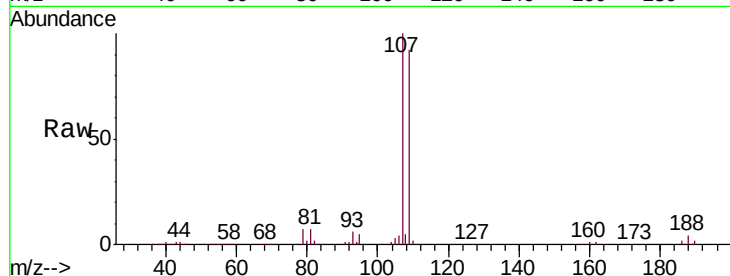
Tgt Ion:107 Resp: 205629

Ion Ratio Lower Upper

107 100

109 92.3 66.1 122.8

188 4.1 3.1 4.7



#52

Chlorobenzene

Concen: 25.509 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

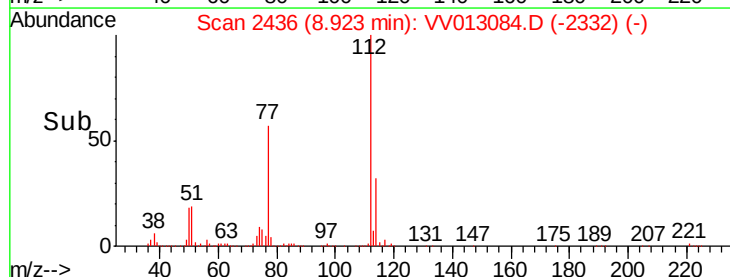
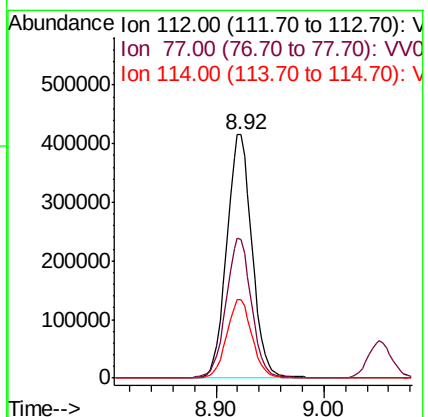
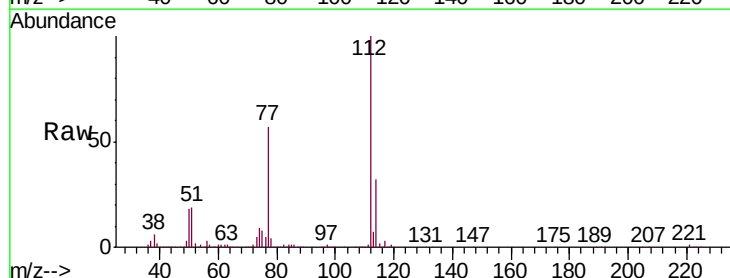
Tgt Ion:112 Resp: 679686

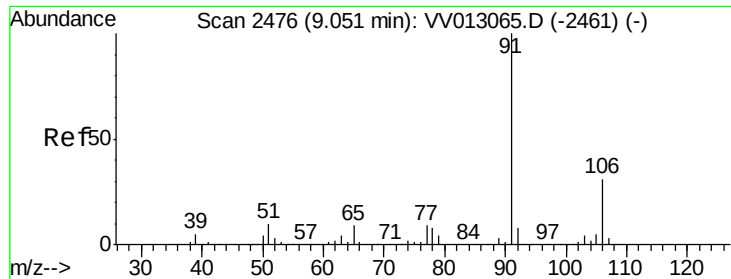
Ion Ratio Lower Upper

112 100

77 56.8 46.3 69.5

114 32.3 22.5 41.7

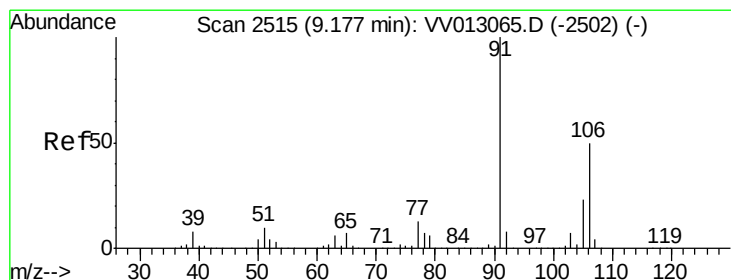
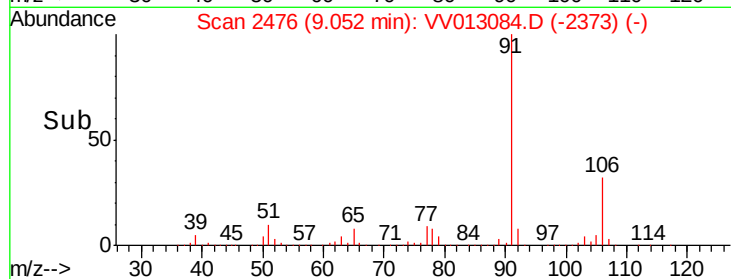
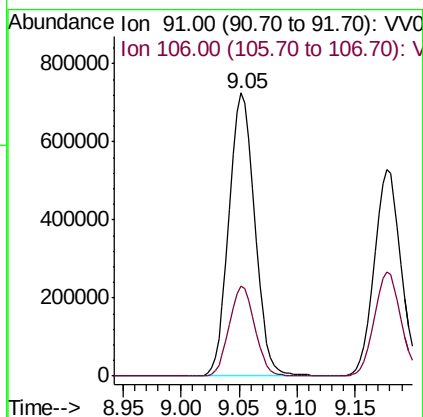
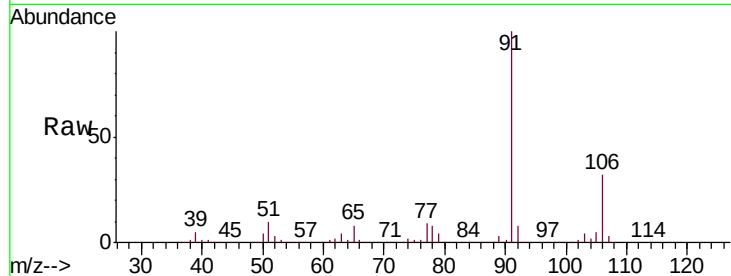




#53
Ethylbenzene
Concen: 26.268 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

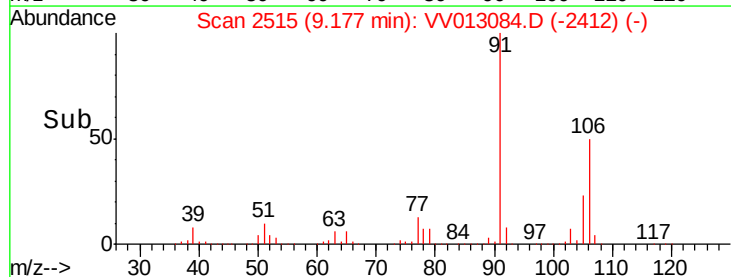
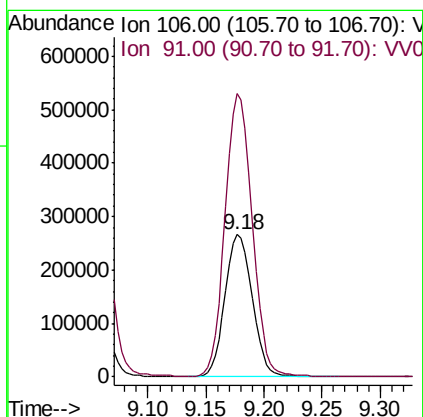
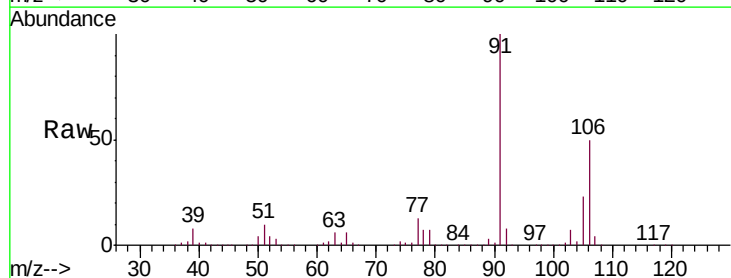
Instrument :
MSVOA_V
ClientSampleId :
VSTD02589

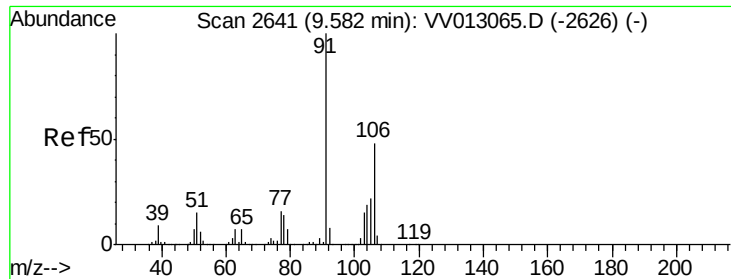
Tgt Ion: 91 Resp: 1116734
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.4



#54
m,p-Xylene
Concen: 26.802 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013084.D
Acq: 09 Oct 2019 19:19

Tgt Ion: 106 Resp: 433172
Ion Ratio Lower Upper
106 100
91 198.8 140.1 260.3





#55

o-xylene

Concen: 26.814 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

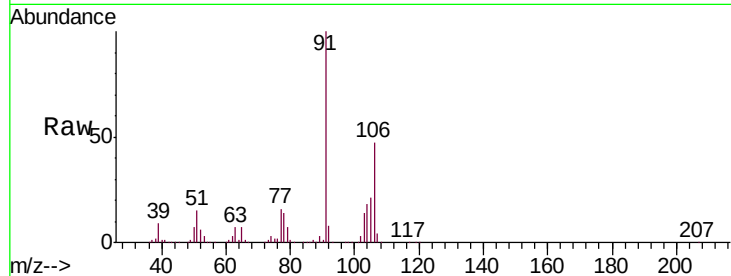
VSTD02589

Tgt Ion:106 Resp: 412912

Ion Ratio Lower Upper

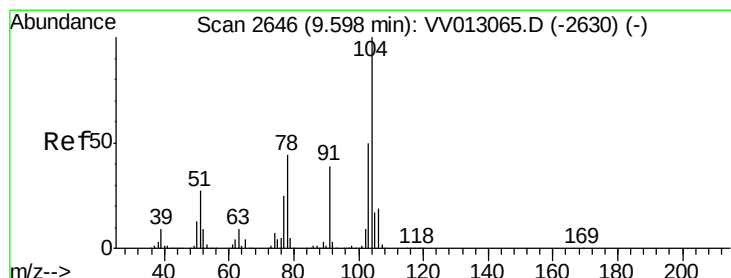
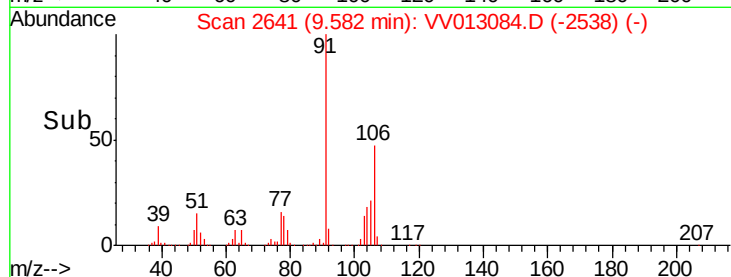
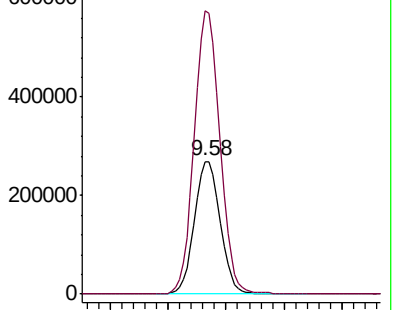
106 100

91 213.9 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.564 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013084.D

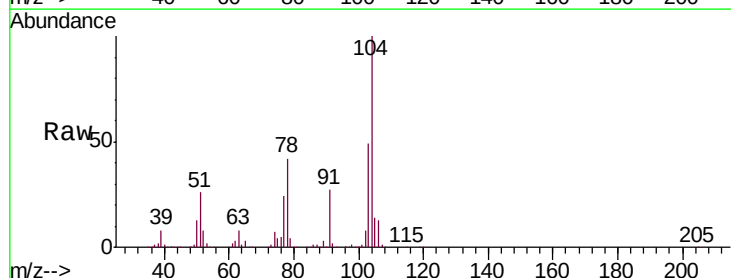
Acq: 09 Oct 2019 19:19

Tgt Ion:104 Resp: 746836

Ion Ratio Lower Upper

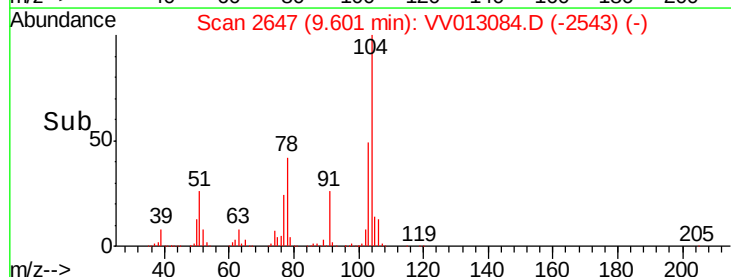
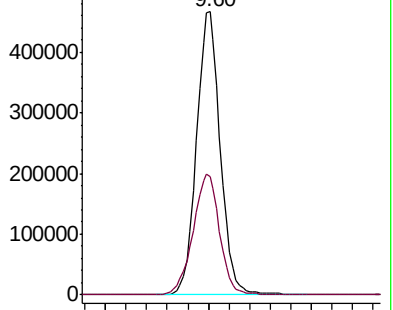
104 100

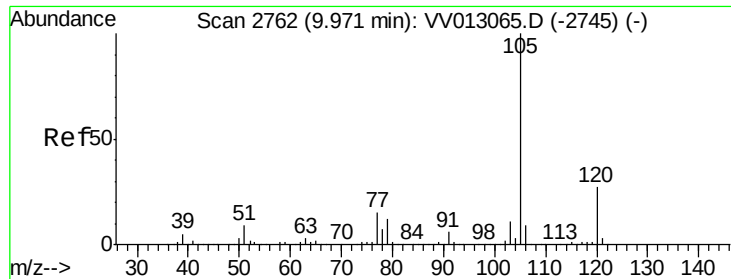
78 42.0 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.118 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

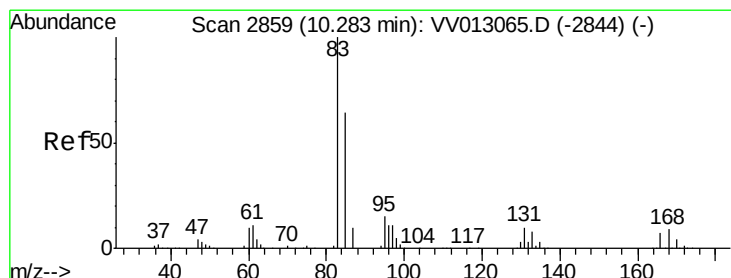
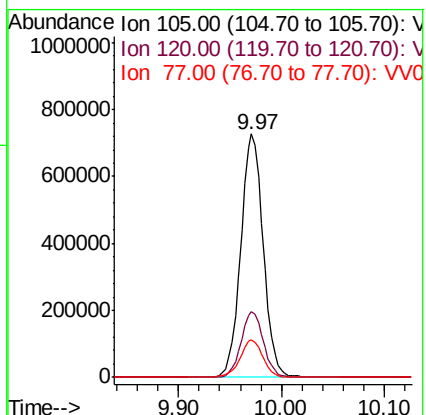
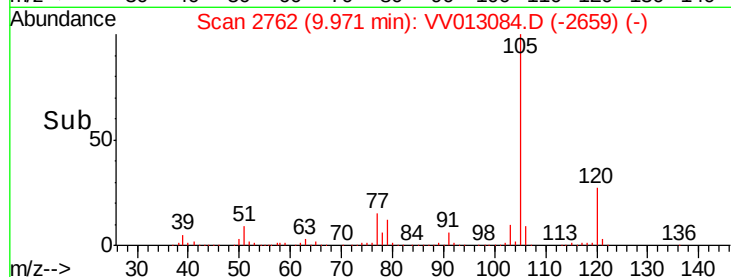
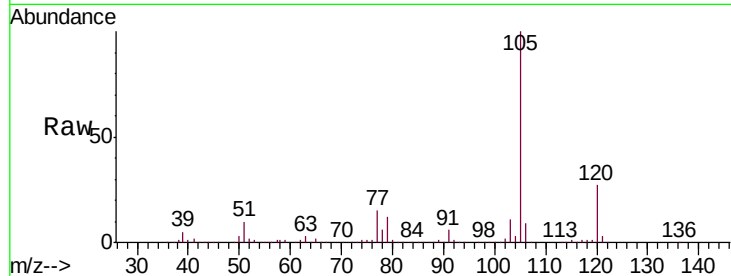
Tgt Ion:105 Resp: 1097474

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.0

77 15.8 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 26.120 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

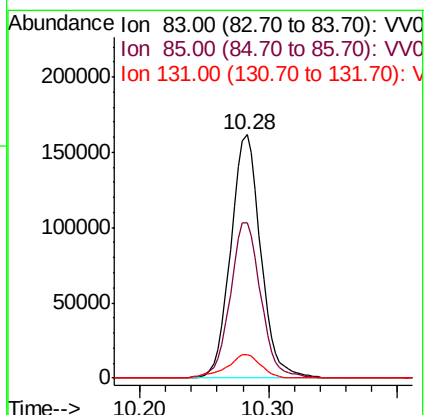
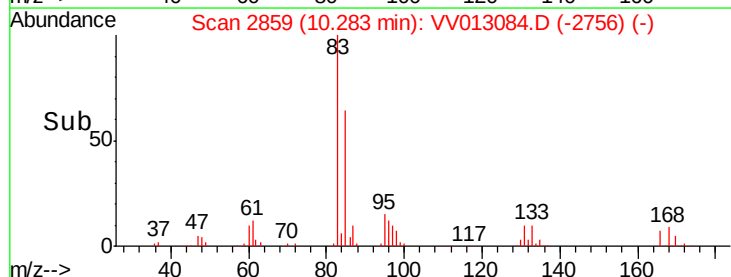
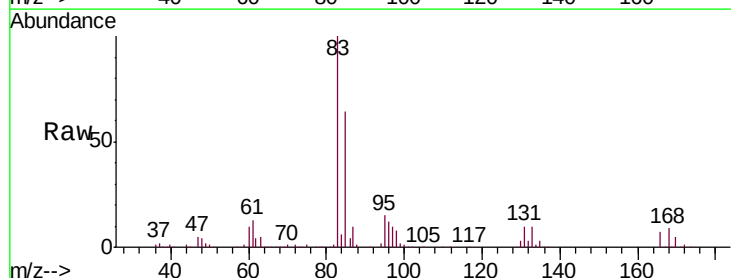
Tgt Ion: 83 Resp: 261142

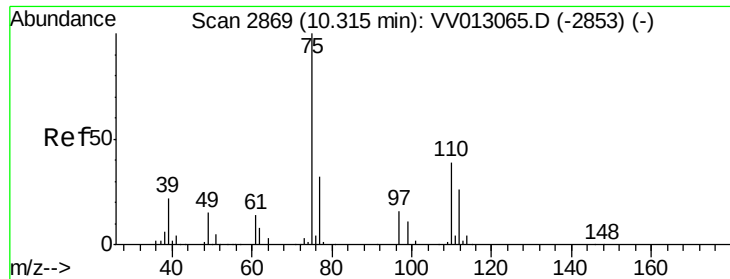
Ion Ratio Lower Upper

83 100

85 63.9 45.4 84.2

131 9.6 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 25.501 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

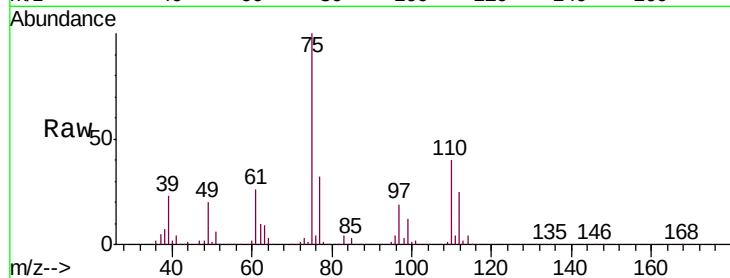
VSTD02589

Tgt Ion: 75 Resp: 210431

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV013065.D (-2853) (-)

Ion 77.00 (76.70 to 77.70): VV013065.D (-2853) (-)

10.32

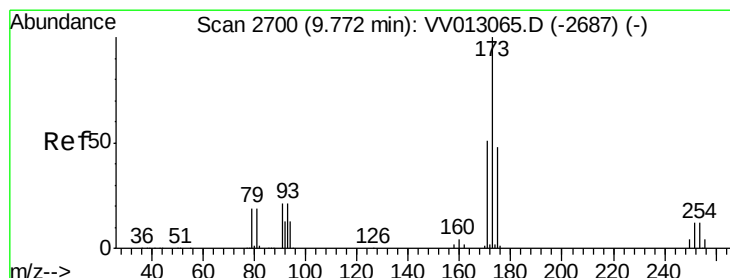
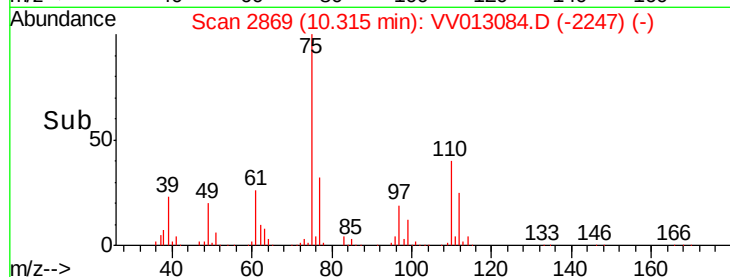
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 24.992 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

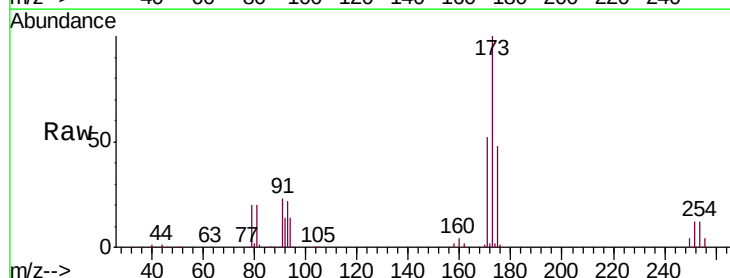
Tgt Ion: 173 Resp: 153576

Ion Ratio Lower Upper

173 100

175 49.1 39.5 59.3

254 11.7 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): VV013065.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV013065.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV013065.D (-2687) (-)

9.77

120000

100000

80000

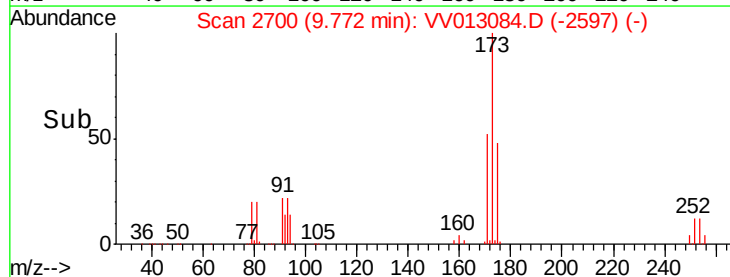
60000

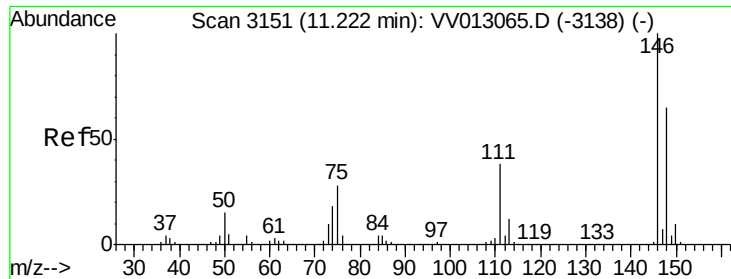
40000

20000

0

Time-->

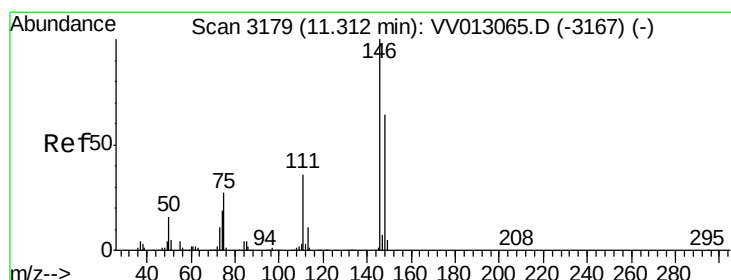
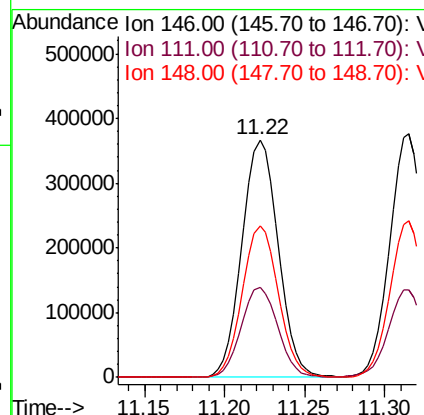
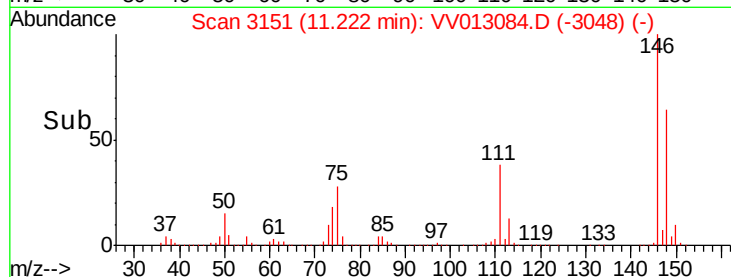
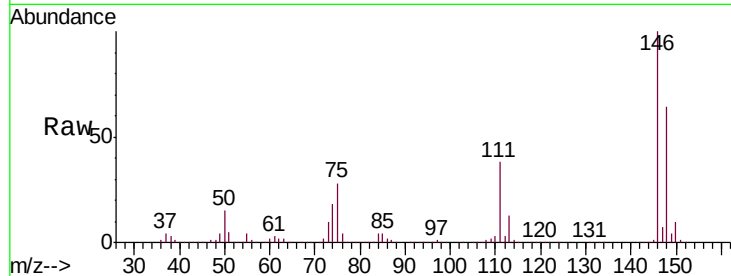




#63
 1,3-Dichlorobenzene
 Concen: 25.426 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

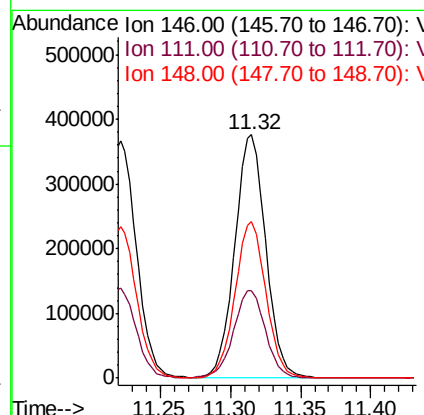
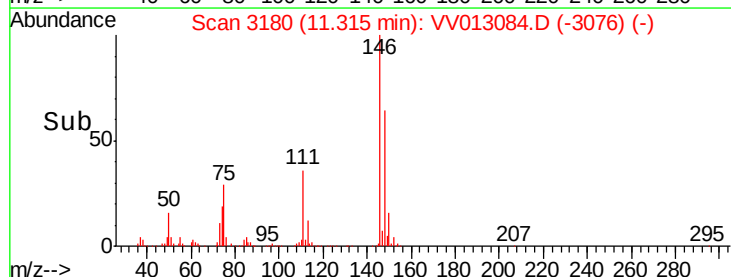
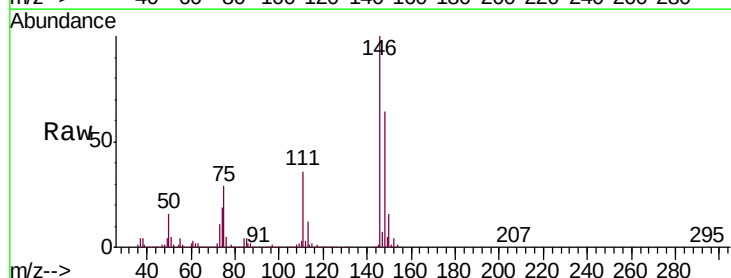
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

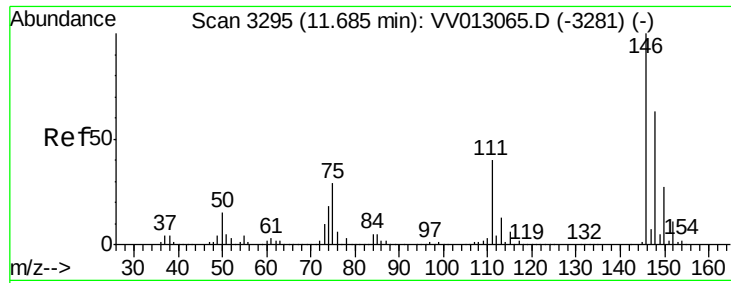
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.7	49.7
148	63.9	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 24.660 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	25.5	47.3
148	64.1	45.1	83.9

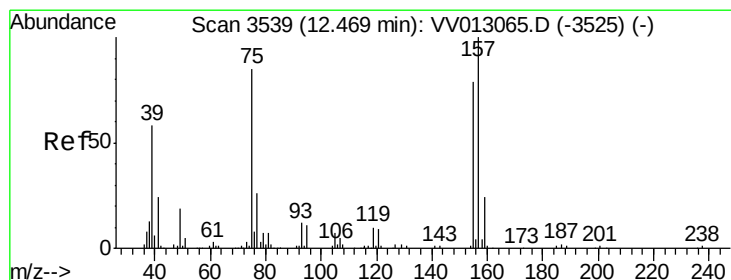
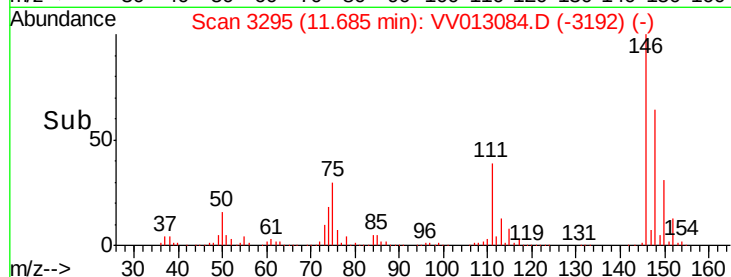
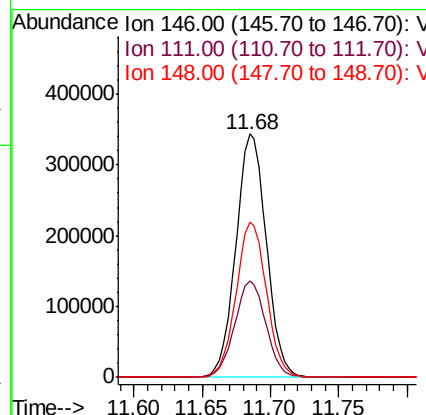
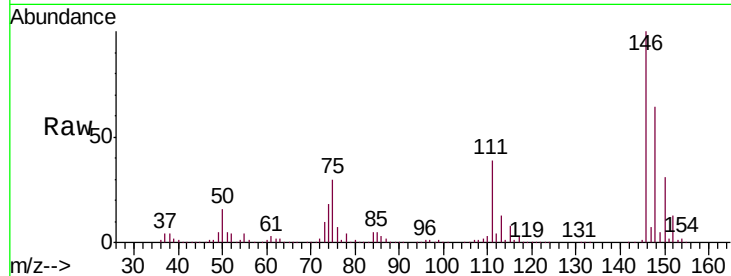




#65
 1,2-Dichlorobenzene
 Concen: 25.085 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

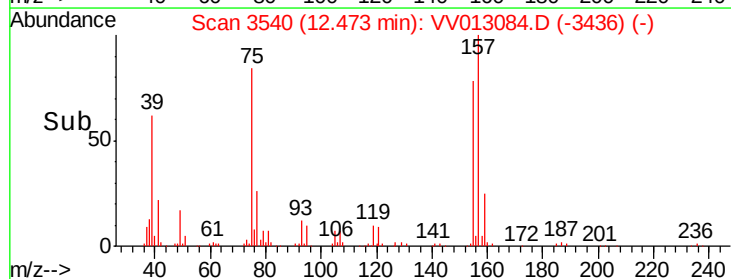
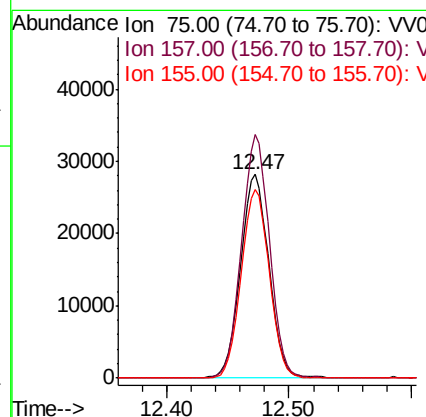
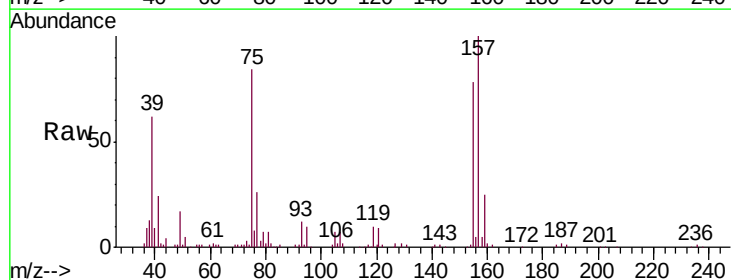
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

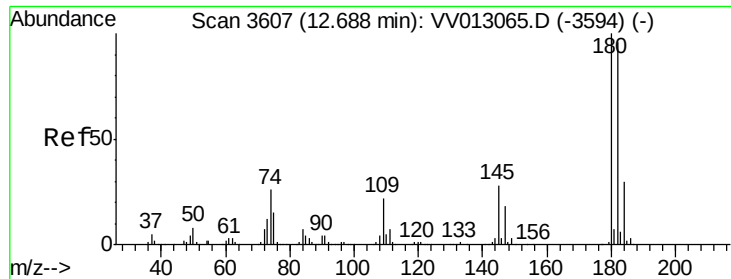
Tgt Ion: 146 Resp: 533344
 Ion Ratio Lower Upper
 146 100
 111 39.4 31.9 47.9
 148 63.8 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.111 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion: 75 Resp: 45449
 Ion Ratio Lower Upper
 75 100
 157 119.6 91.7 137.5
 155 92.8 70.8 106.2

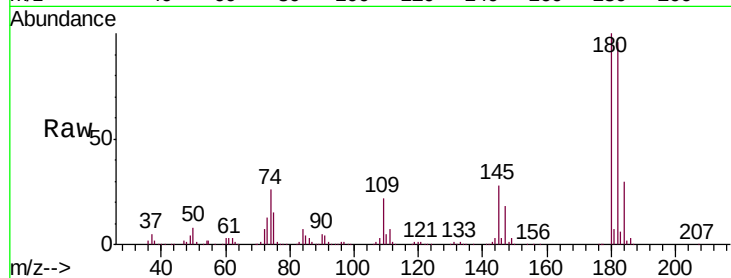




#67
 1,3,5-Trichlorobenzene
 Concen: 24.767 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02589

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.4	24.6	37.0
145	27.8	22.2	33.4



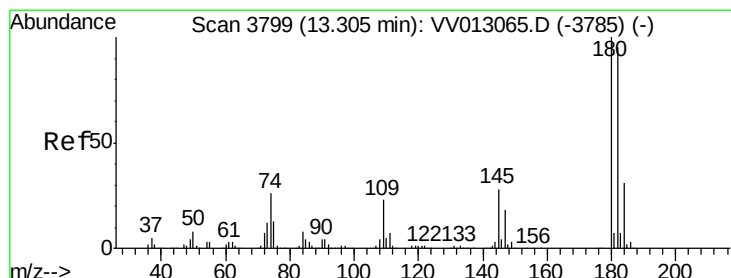
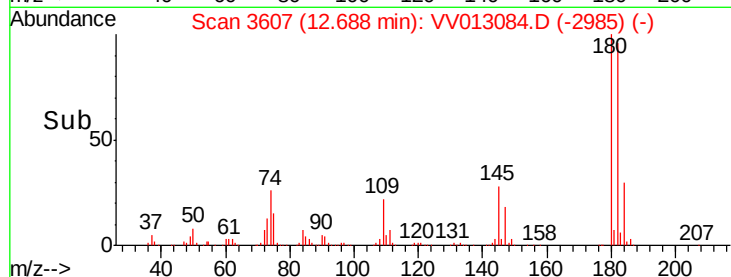
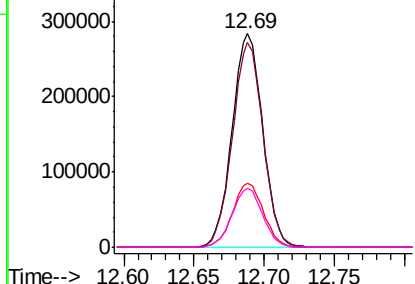
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

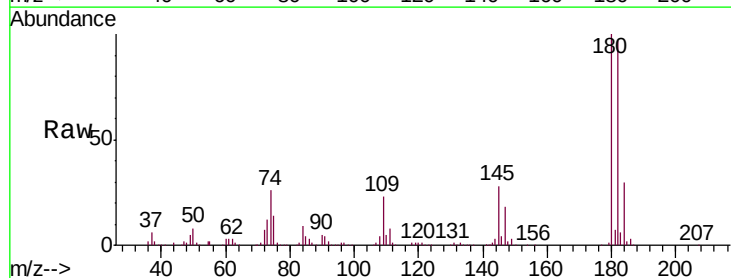
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 23.680 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013084.D
 Acq: 09 Oct 2019 19:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.8	115.2
145	28.5	22.6	34.0

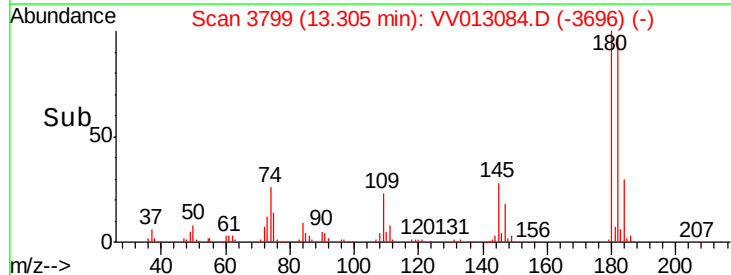
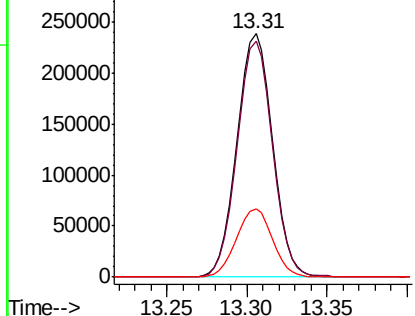


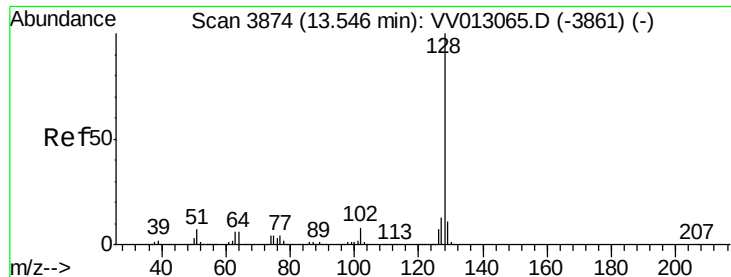
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.341 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

Instrument :

MSVOA_V

ClientSampleId :

VSTD02589

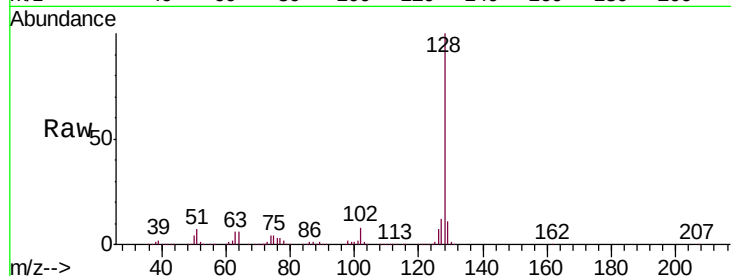
Tgt Ion:128 Resp: 746460

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

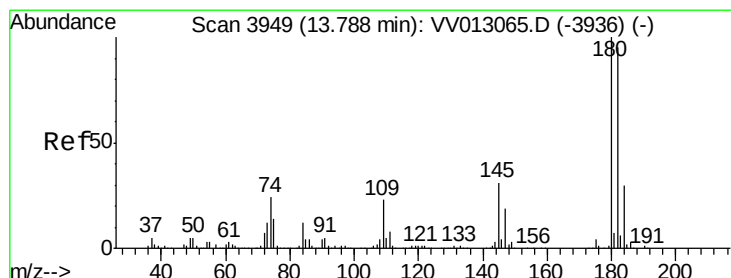
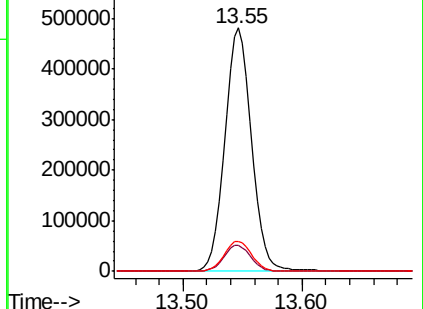
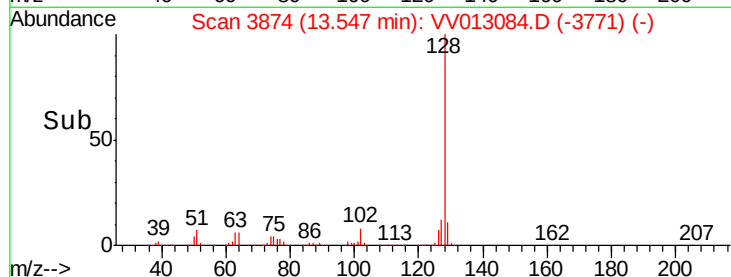
127 12.7 10.2 15.2



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: 24.261 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013084.D

Acq: 09 Oct 2019 19:19

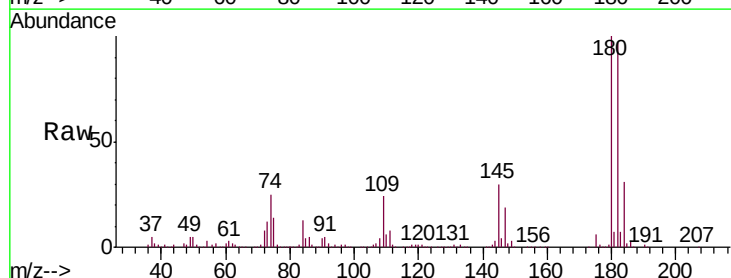
Tgt Ion:180 Resp: 355652

Ion Ratio Lower Upper

180 100

182 97.5 77.4 116.2

145 30.1 23.9 35.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

