

Data File : VV010064.D
Acq On : 02 Apr 2019 17:19
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Quant Time: Apr 03 06:02:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 02 17:59:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	298721	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	291616	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	149121	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95661	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
7) Chloroethane-d5	1.58	69	127288	25.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.52%
10) 1,1-Dichloroethene-d2	2.13	63	238741	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.68%
20) 2-Butanone-d5	3.94	46	49225	43.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.52%
24) Chloroform-d	4.40	84	185205	24.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.44%
26) 1,2-Dichloroethane-d4	5.08	65	99776	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	5.10	84	373955	24.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.92%
33) 1,2-Dichloropropane-d6	6.12	67	104074	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.28%
37) Toluene-d8	7.36	98	362871	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.60%
38) trans-1,3-Dichloropropene-	7.66	79	44488	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	8.14	63	36707	41.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	99345	22.57	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	141271	24.32	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	98997	22.913 ug/L	99
3) Chloromethane	1.25	50	89832	23.332 ug/L	99
5) Vinyl chloride	1.32	62	97798	23.320 ug/L	96
6) Bromomethane	1.53	94	114387	24.113 ug/L	96
8) Chloroethane	1.59	64	105012	28.645 ug/L	100
9) Trichlorofluoromethane	1.77	101	205193	23.738 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	115130	23.951 ug/L	97
12) 1,1-Dichloroethene	2.14	96	97298	23.824 ug/L	84
13) Acetone	2.20	43	48720	43.303 ug/L	99
14) Carbon disulfide	2.32	76	198770	23.452 ug/L	100
15) Methyl Acetate	2.46	43	36568	20.312 ug/L	99
16) Methylene chloride	2.54	84	92727	17.668 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	201096	22.991 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	85222	23.890 ug/L	98
19) 1,1-Dichloroethane	3.23	63	146218	24.125 ug/L	99
21) 2-Butanone	4.03	43	50429	40.927 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	95079	24.004 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Tue Apr 02 17:59:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44142	22.968	ug/L	86
25) Chloroform	4.43	83	166489	24.512	ug/L	100
27) 1,2-Dichloroethane	5.18	62	106406	22.966	ug/L	97
30) Cyclohexane	4.73	56	123958	23.548	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	145084	24.395	ug/L	99
32) Carbon tetrachloride	4.87	117	131306	24.701	ug/L	100
34) Benzene	5.15	78	337040	23.634	ug/L	100
35) Trichloroethene	5.96	95	96742	23.569	ug/L	99
36) Methylcyclohexane	6.18	83	150671	24.502	ug/L	99
40) 1,2-Dichloropropane	6.22	63	86295	23.950	ug/L	99
41) Bromodichloromethane	6.55	83	109975	23.469	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	129832	24.892	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	114883	43.093	ug/L	97
44) Toluene	7.43	91	387968	24.241	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	106301	23.964	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	74450	23.302	ug/L	98
47) Tetrachloroethene	8.02	164	80274	23.364	ug/L	97
49) 2-Hexanone	8.19	43	85970	45.148	ug/L	95
50) Dibromochloromethane	8.29	129	85295	23.815	ug/L	94
51) 1,2-Dibromoethane	8.40	107	72043	22.817	ug/L #	95
52) Chlorobenzene	8.93	112	263864	24.170	ug/L	98
53) Ethylbenzene	9.05	91	430700	24.541	ug/L	95
54) m,p-Xylene	9.18	106	167511	24.522	ug/L	97
55) o-xylene	9.59	106	163193	24.659	ug/L	96
56) Styrene	9.60	104	278248	25.417	ug/L	98
57) Isopropylbenzene	9.97	105	442924	25.378	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	89384	21.782	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	63873	21.707	ug/L	100
62) Bromoform	9.78	173	44724	21.324	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	211798	24.198	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	216068	23.698	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	203305	23.644	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	12088	20.734	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	162106	24.940	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	126217	25.358	ug/L	99
69) Naphthalene	13.55	128	197250	23.820	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	117119	25.203	ug/L	98

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV67

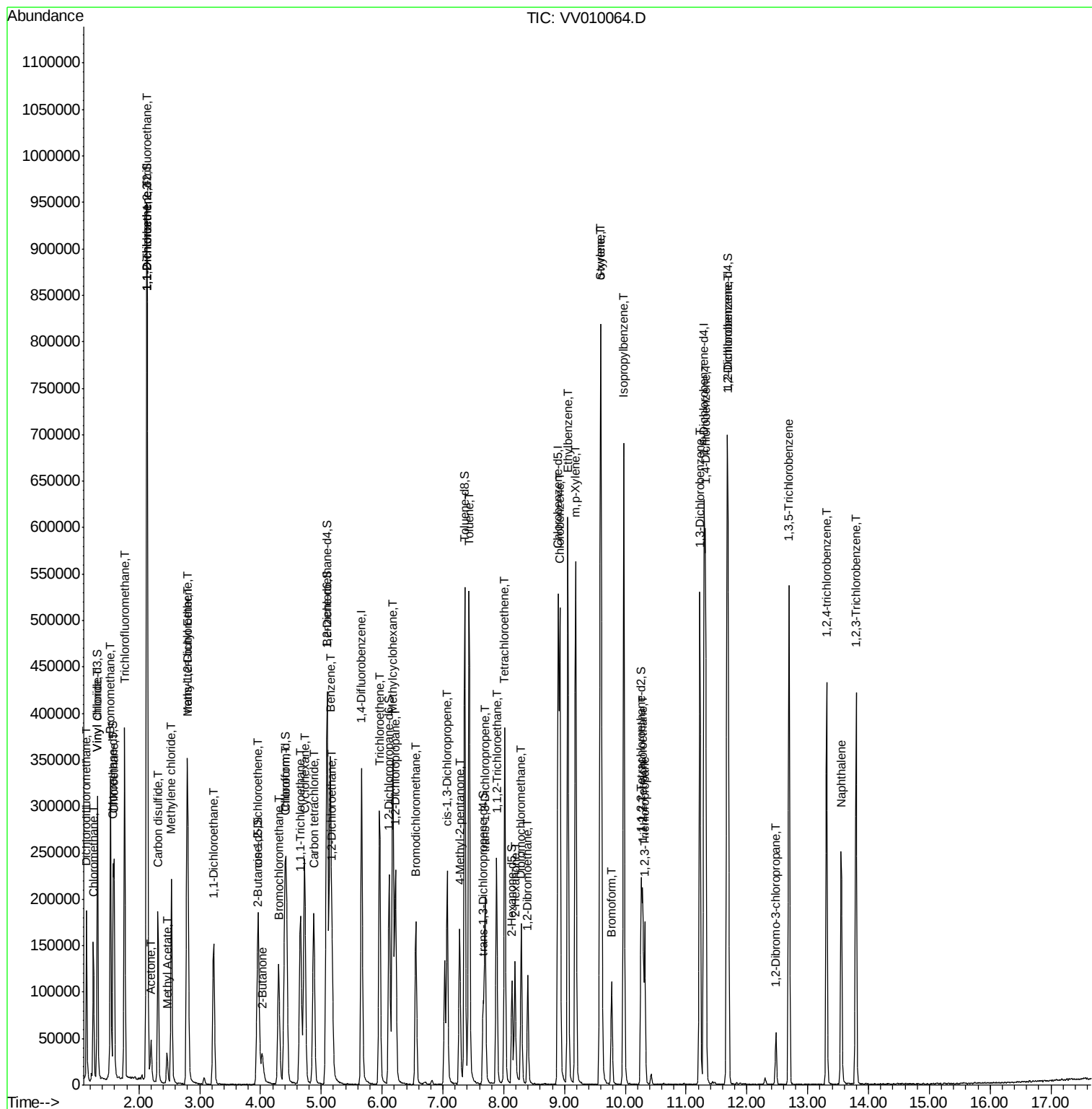
Quant Time: Apr 03 05:59:52 2019

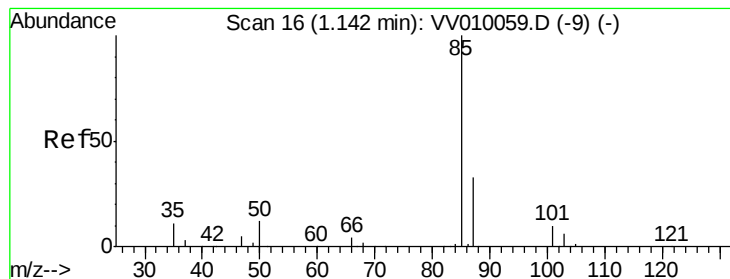
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM040219S.M

Quant Title : VOC Analysis

QLast Update : Tue Apr 02 17:59:24 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.913 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

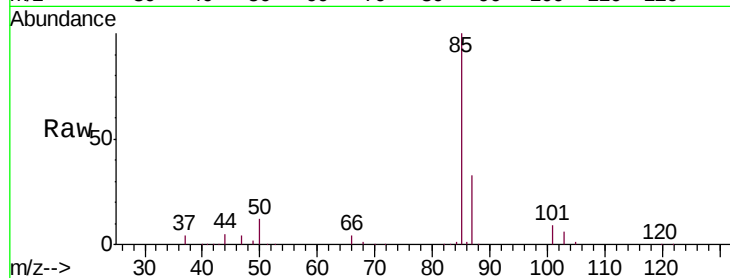
VICV67

Tgt Ion: 85 Resp: 98997

Ion Ratio Lower Upper

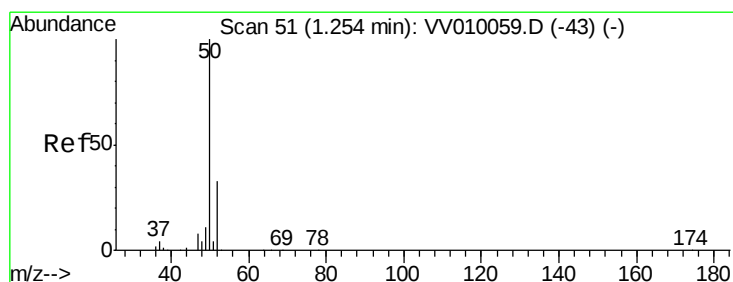
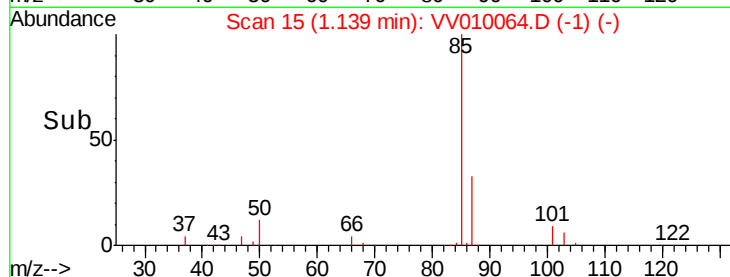
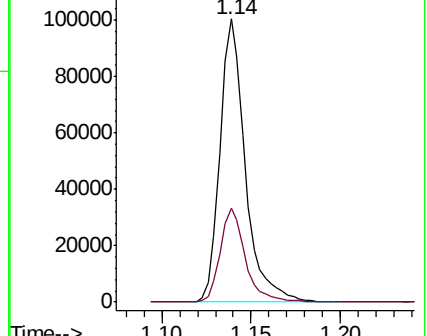
85 100

87 32.7 22.5 41.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 23.332 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010064.D

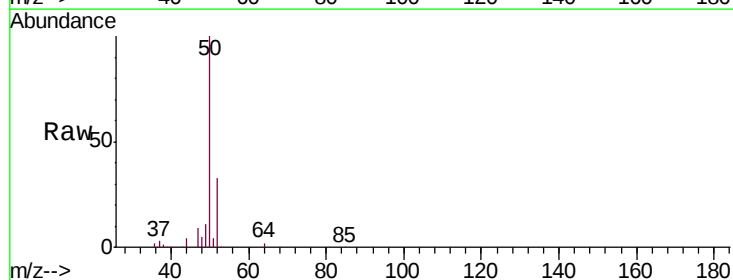
Acq: 02 Apr 2019 17:19

Tgt Ion: 50 Resp: 89832

Ion Ratio Lower Upper

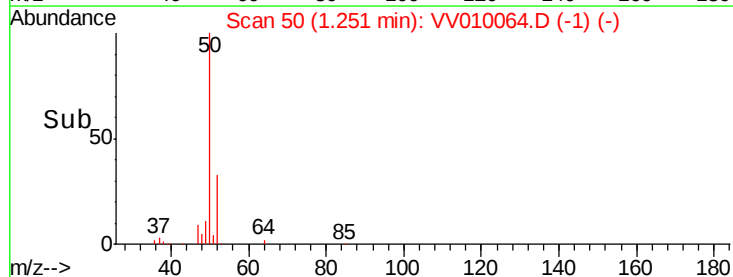
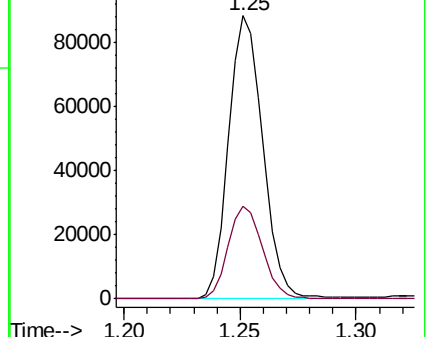
50 100

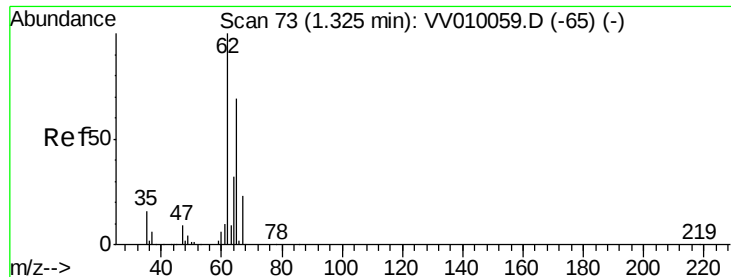
52 32.8 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 23.320 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

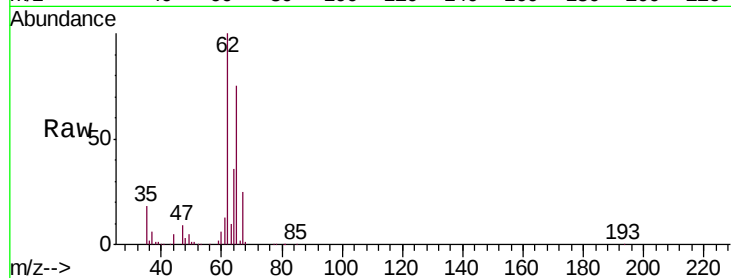
VICV67

Tgt Ion: 62 Resp: 97798

Ion Ratio Lower Upper

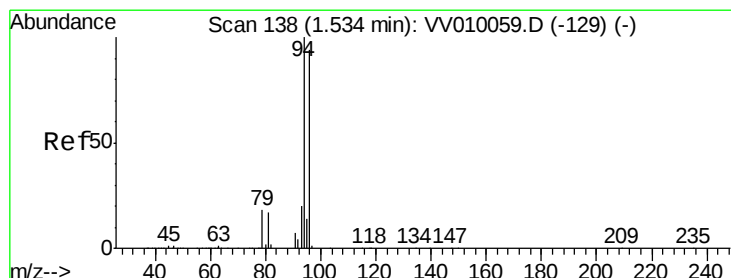
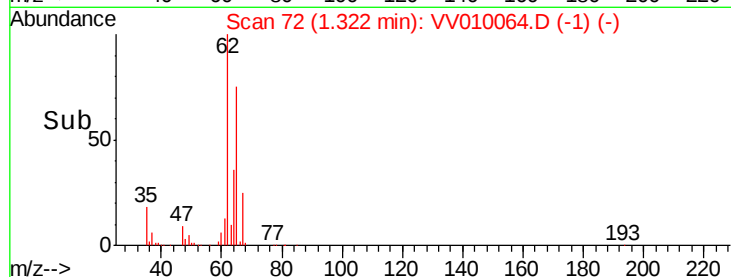
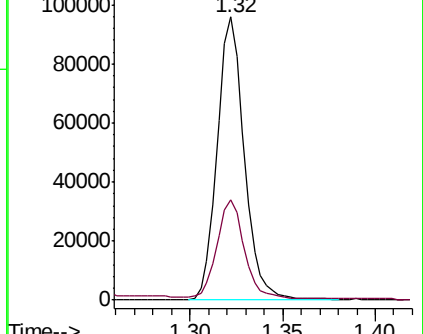
62 100

64 35.7 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 24.113 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV010064.D

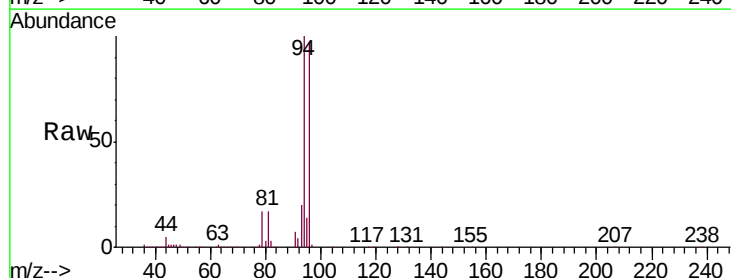
Acq: 02 Apr 2019 17:19

Tgt Ion: 94 Resp: 114387

Ion Ratio Lower Upper

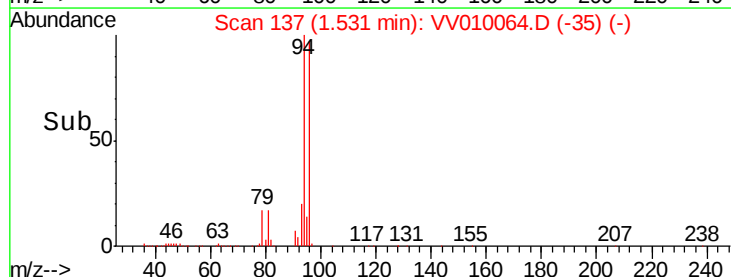
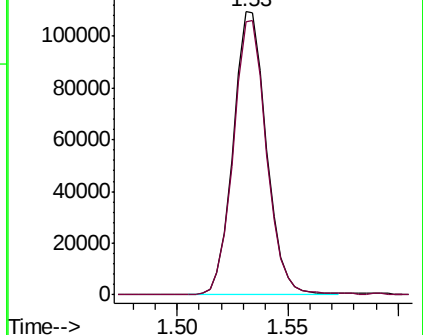
94 100

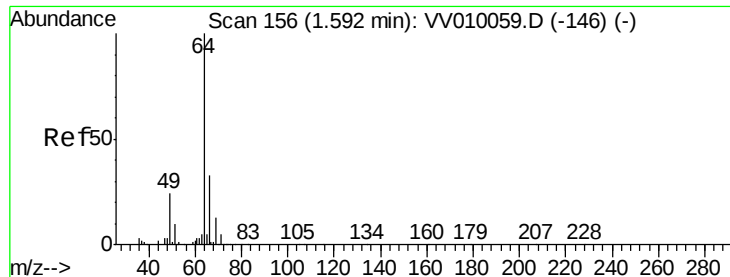
96 97.1 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 28.645 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampled :

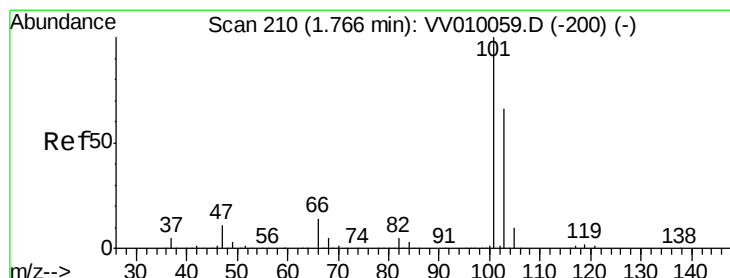
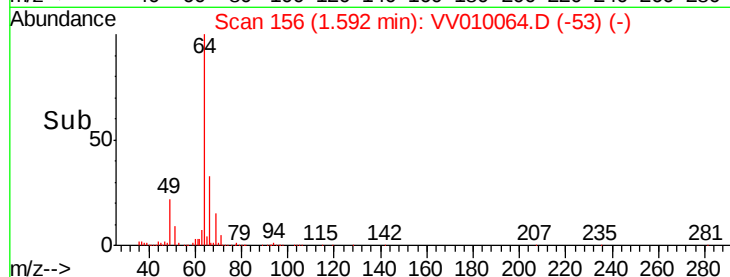
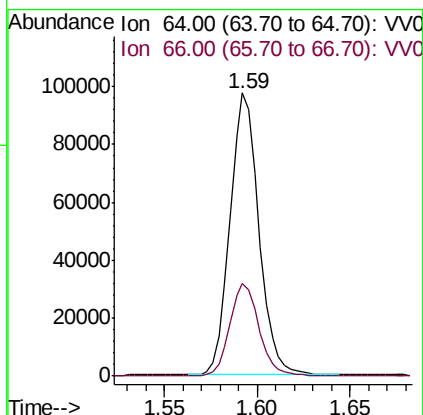
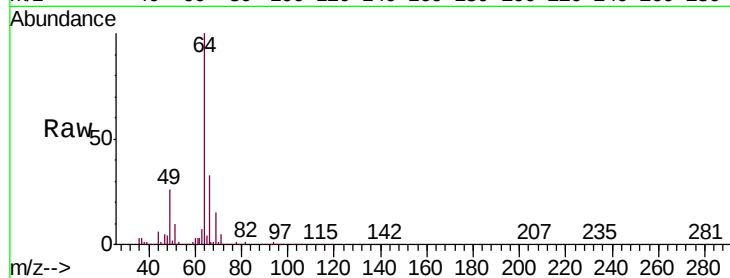
VICV67

Tgt Ion: 64 Resp: 105012

Ion Ratio Lower Upper

64 100

66 32.9 22.9 42.5



#9

Trichlorofluoromethane

Concen: 23.738 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010064.D

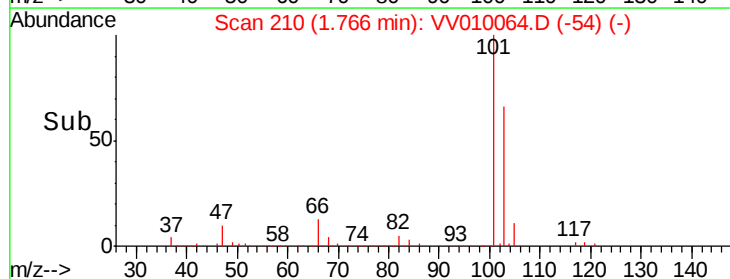
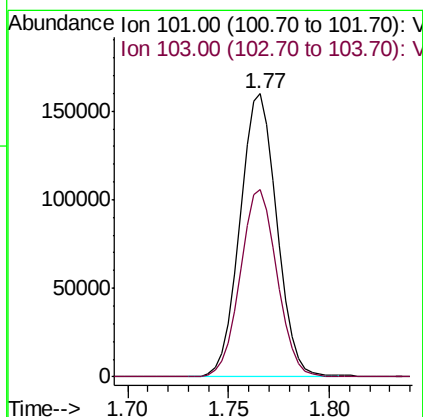
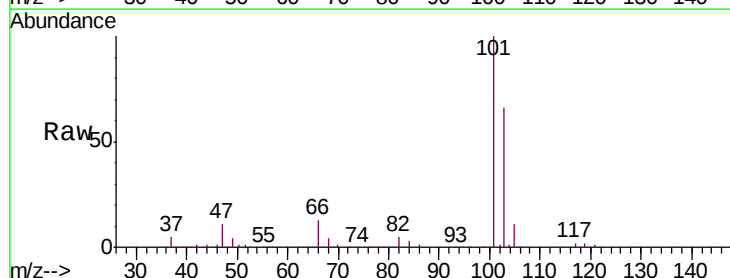
Acq: 02 Apr 2019 17:19

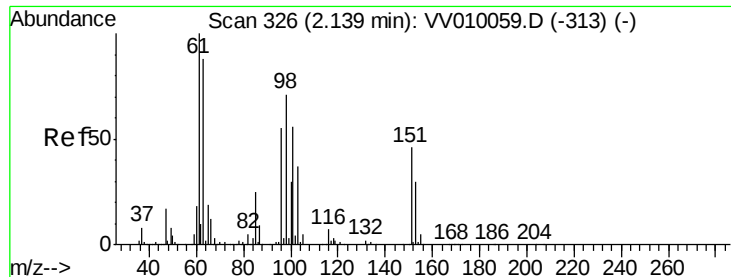
Tgt Ion: 101 Resp: 205193

Ion Ratio Lower Upper

101 100

103 66.1 46.1 85.5





#11

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

Concen: 23.951 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampled :

VICV67

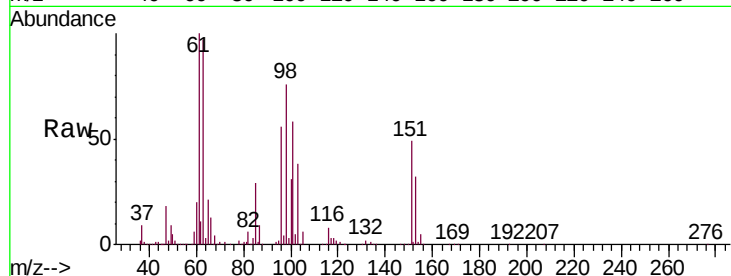
Tgt Ion:101 Resp: 115130

Ion Ratio Lower Upper

101 100

85 48.1 37.3 55.9

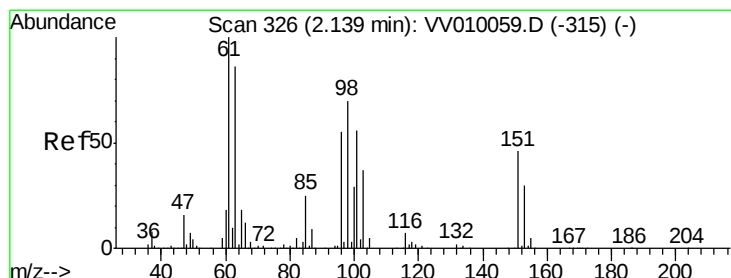
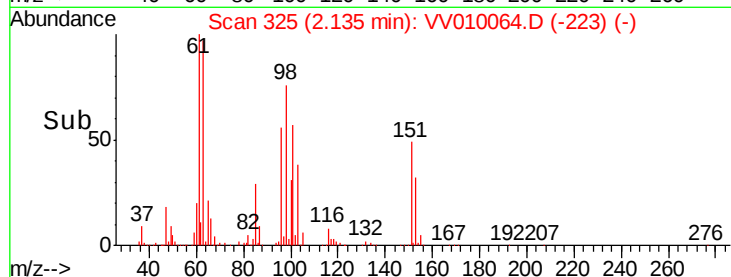
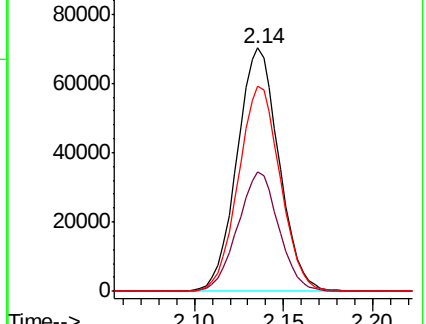
151 84.7 65.4 98.2



Abundance Ion 101.00 (100.70 to 101.70): VV010059.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010059.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010059.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 23.824 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

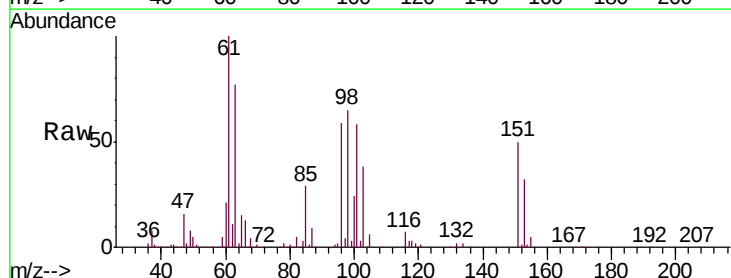
Tgt Ion: 96 Resp: 97298

Ion Ratio Lower Upper

96 100

61 169.1 127.8 237.4

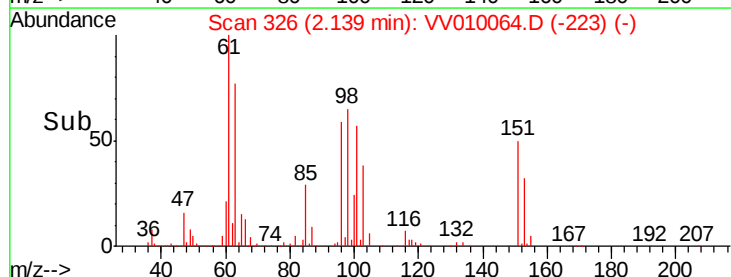
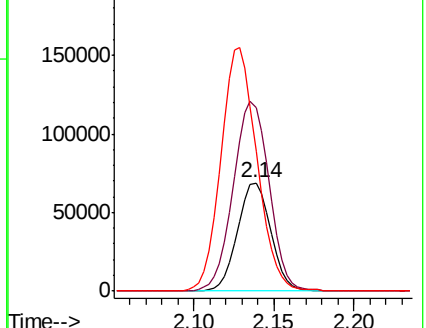
63 129.5 112.6 209.2

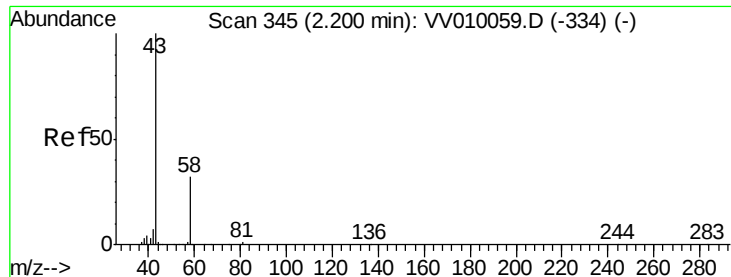


Abundance Ion 96.00 (95.70 to 96.70): VV010059.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV010059.D (-315) (-)





#13

Acetone

Concen: 43.303 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

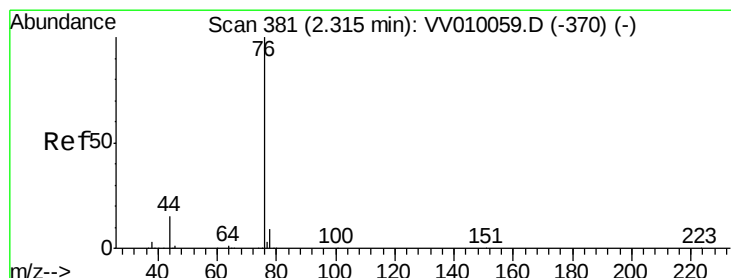
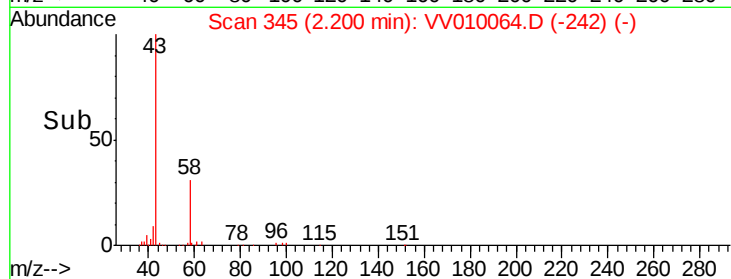
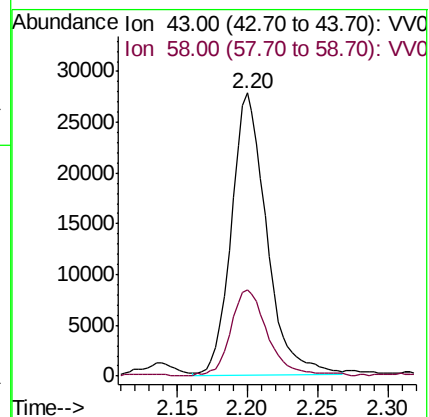
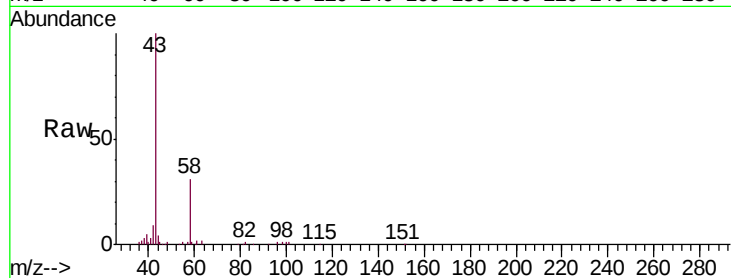
VICV67

Tgt Ion: 43 Resp: 48720

Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.6



#14

Carbon disulfide

Concen: 23.452 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010064.D

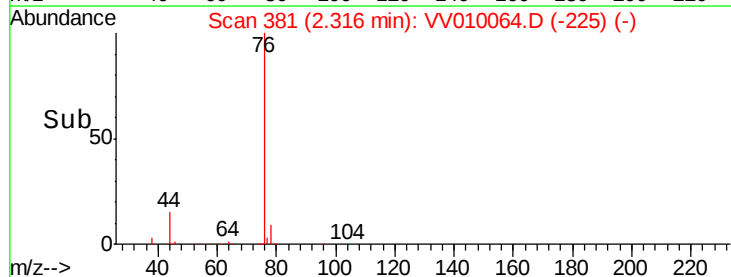
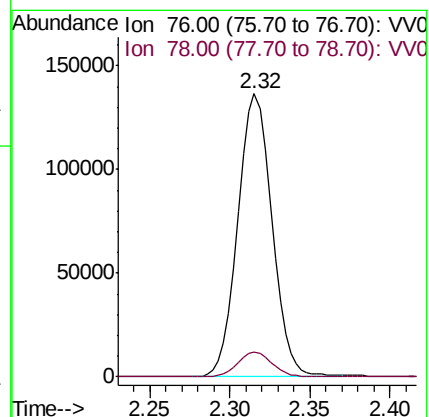
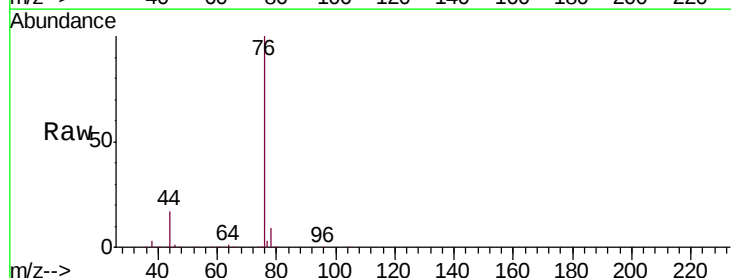
Acq: 02 Apr 2019 17:19

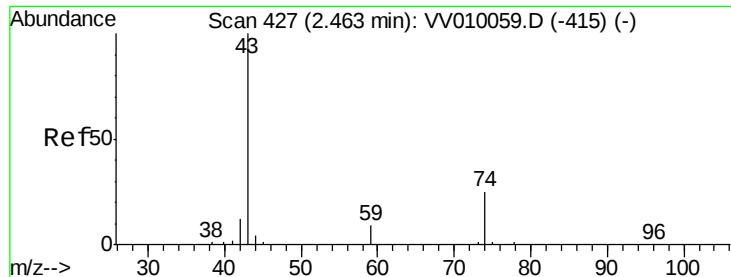
Tgt Ion: 76 Resp: 198770

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7





#15

Methyl Acetate

Concen: 20.312 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

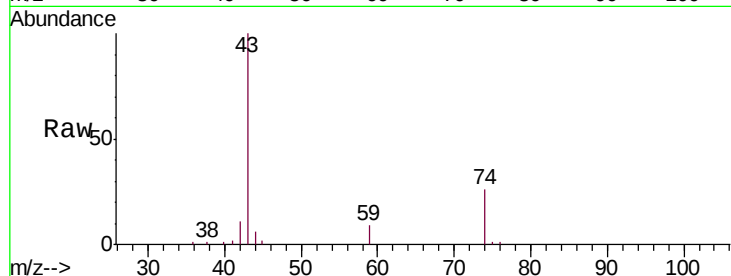
VICV67

Tgt Ion: 43 Resp: 36568

Ion Ratio Lower Upper

43 100

74 25.5 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VV010059.D (-415) (-)

Ion 74.00 (73.70 to 74.70): VV010059.D (-415) (-)

2.46

20000

15000

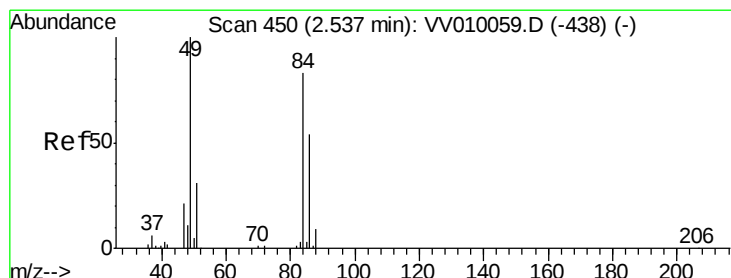
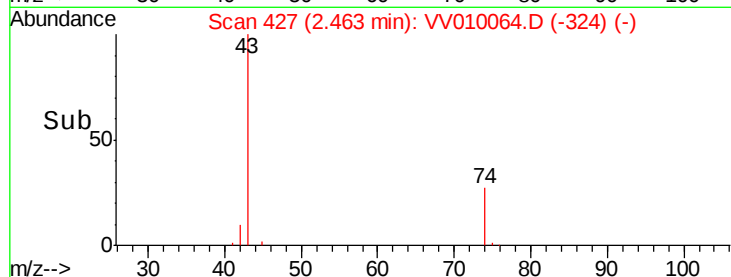
10000

5000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 17.668 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

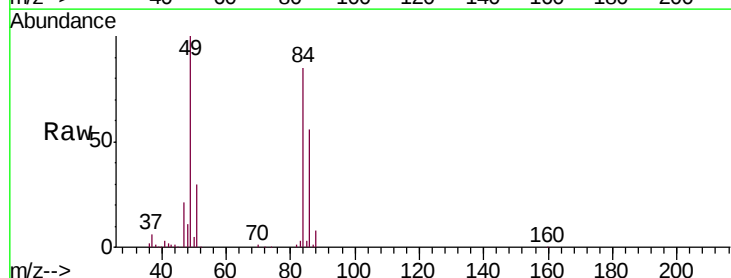
Tgt Ion: 84 Resp: 92727

Ion Ratio Lower Upper

84 100

49 117.0 84.3 156.5

86 65.9 45.4 84.2



Abundance Ion 84.00 (83.70 to 84.70): VV010059.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV010059.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV010059.D (-438) (-)

2.54

80000

60000

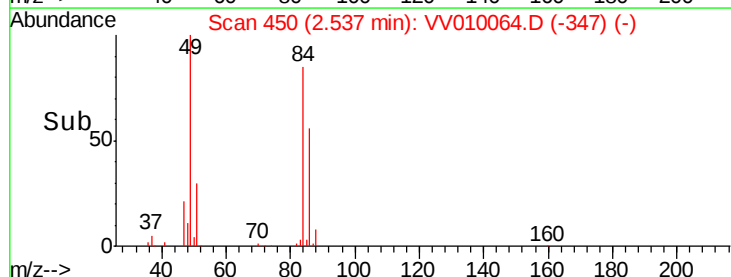
40000

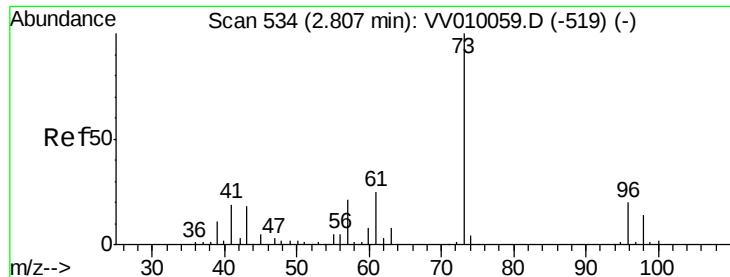
20000

0

Time-->

2.45 2.50 2.55 2.60



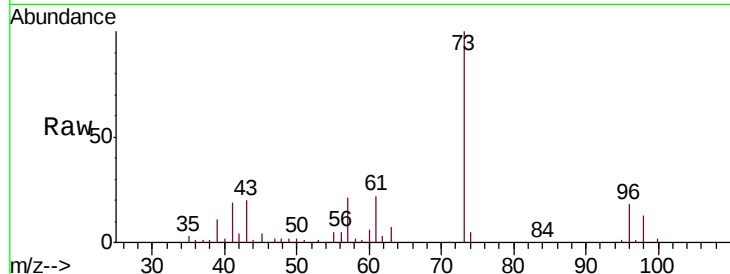


#17

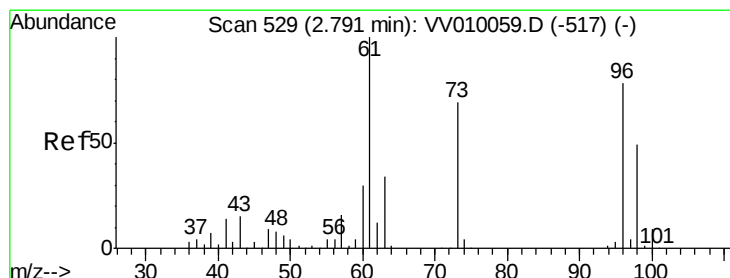
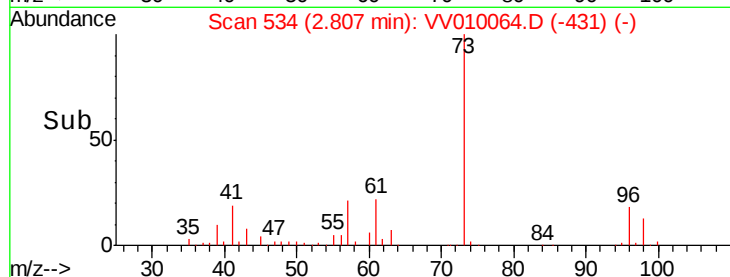
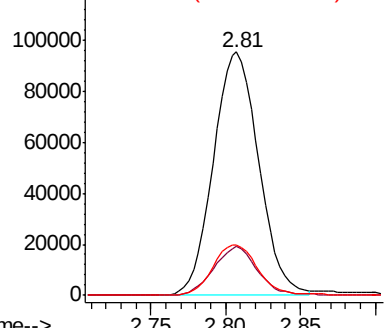
Methyl tert-butyl Ether
 Concen: 22.991 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion: 73 Resp: 201096
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.5 23.3
 57 20.5 16.8 25.2



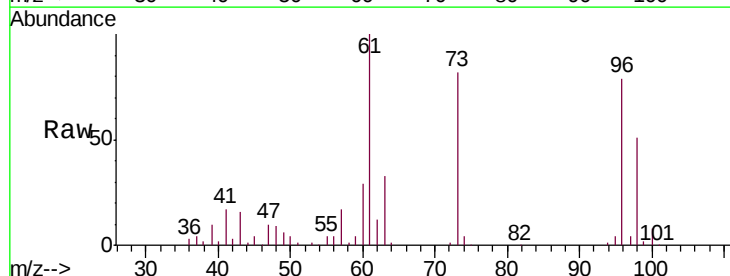
Abundance Ion 73.00 (72.70 to 73.70): VV0
 Ion 43.00 (42.70 to 43.70): VV0
 Ion 57.00 (56.70 to 57.70): VV0



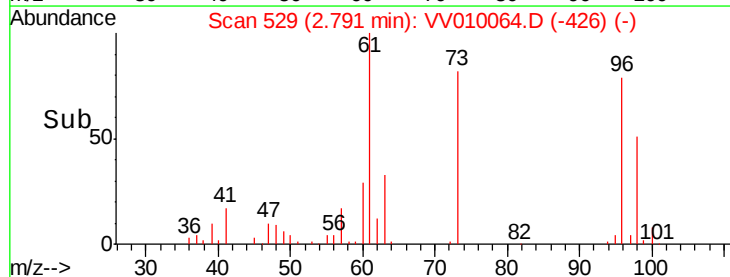
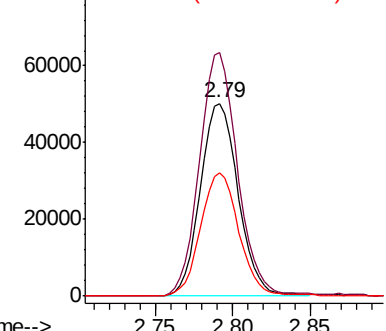
#18

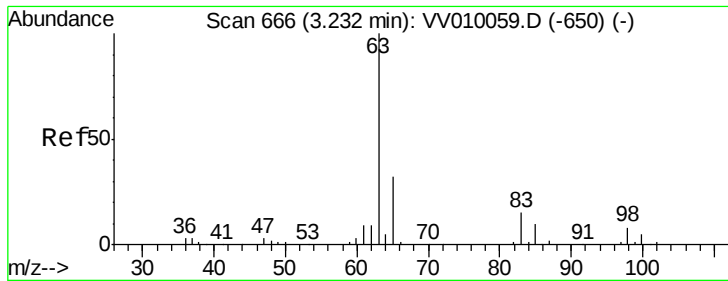
trans-1,2-Dichloroethene
 Concen: 23.890 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 96 Resp: 85222
 Ion Ratio Lower Upper
 96 100
 61 126.2 90.0 167.2
 98 64.1 44.2 82.2



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

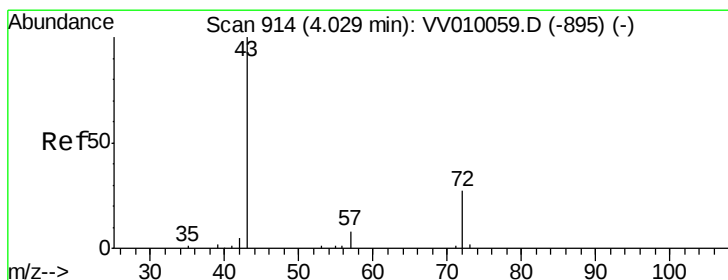
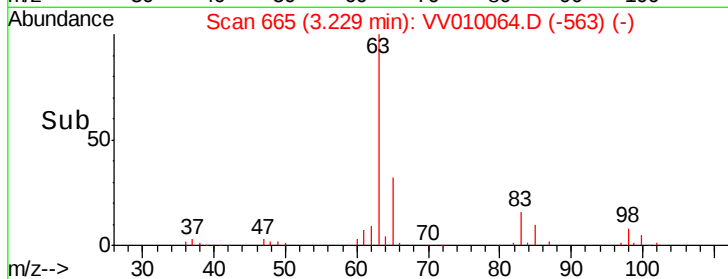
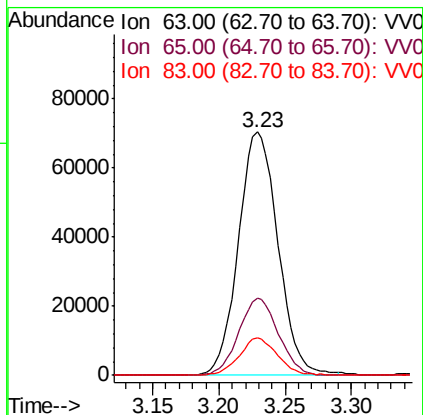
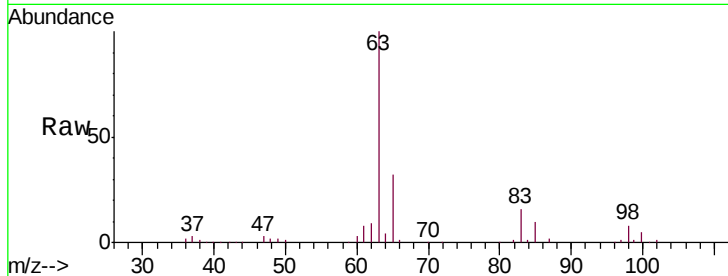




#19
 1,1-Dichloroethane
 Concen: 24.125 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

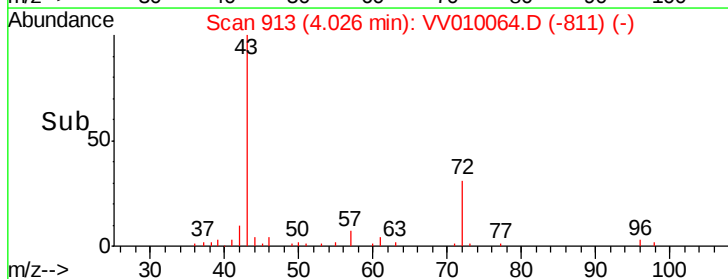
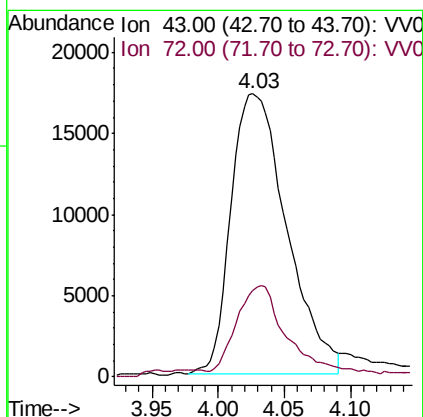
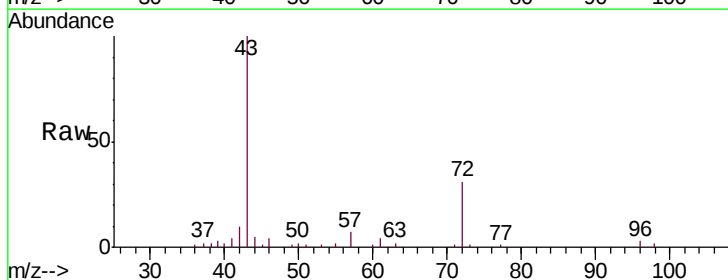
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

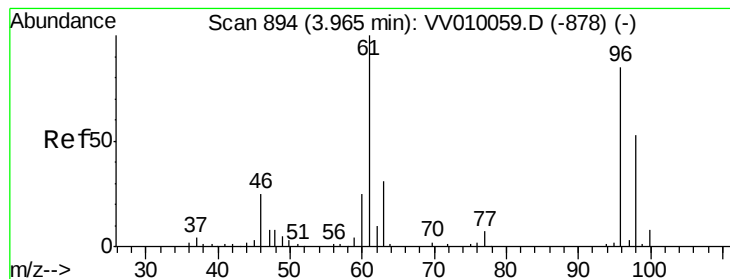
Tgt Ion: 63 Resp: 146218
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.3 41.3
 83 15.5 10.4 19.4



#21
 2-Butanone
 Concen: 40.927 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 43 Resp: 50429
 Ion Ratio Lower Upper
 43 100
 72 28.4 12.8 38.4



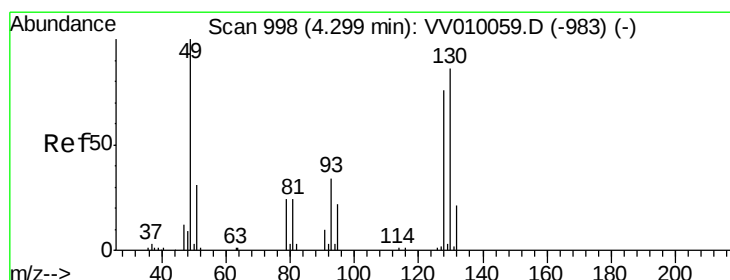
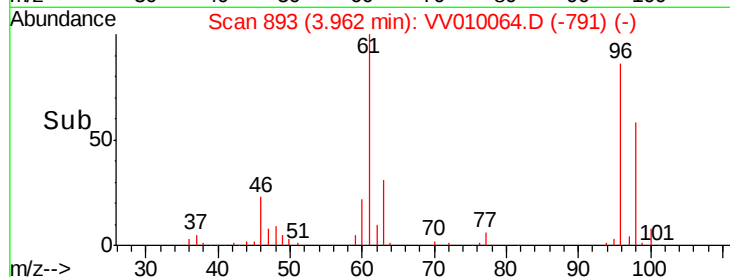
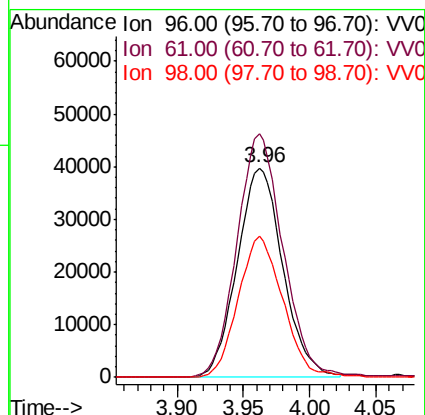
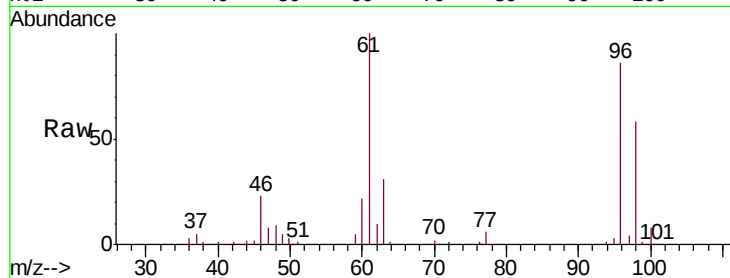


#22

cis-1,2-Dichloroethene
 Concen: 24.004 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

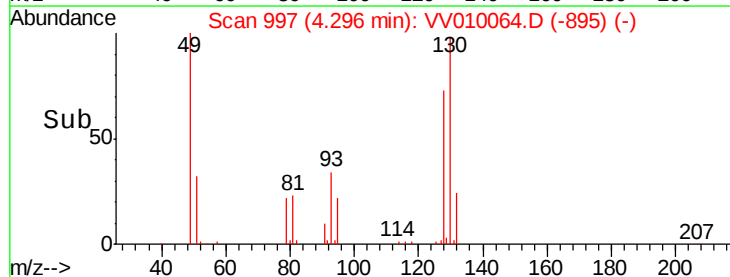
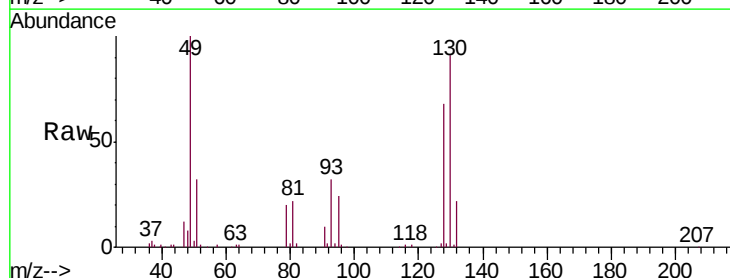
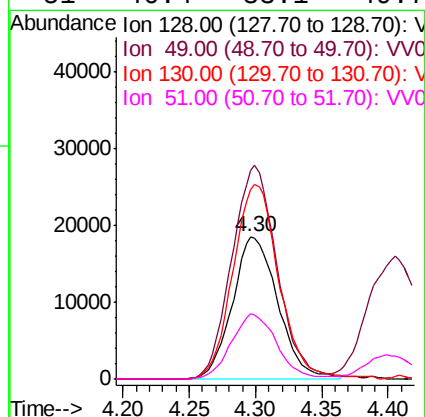
Tgt Ion: 96 Resp: 95079
 Ion Ratio Lower Upper
 96 100
 61 116.4 82.7 153.5
 98 67.3 43.9 81.5

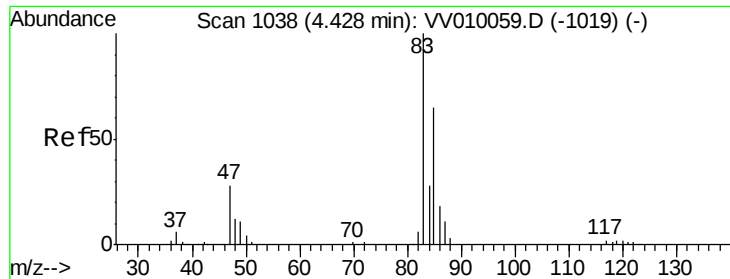


#23

Bromochloromethane
 Concen: 22.968 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 128 Resp: 44142
 Ion Ratio Lower Upper
 128 100
 49 147.0 92.8 172.4
 130 133.8 80.6 149.6
 51 46.4 33.1 49.7

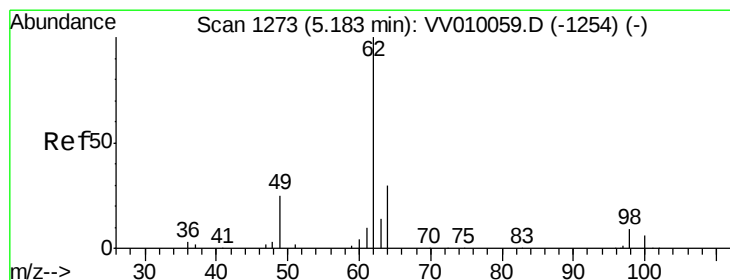
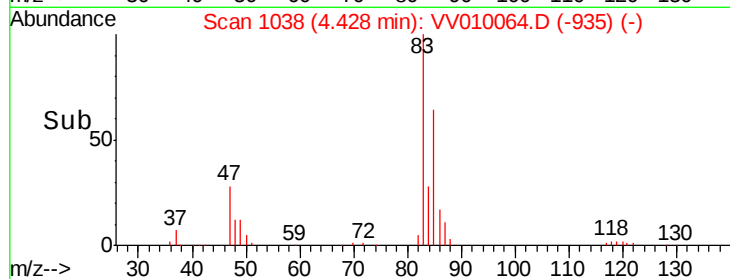
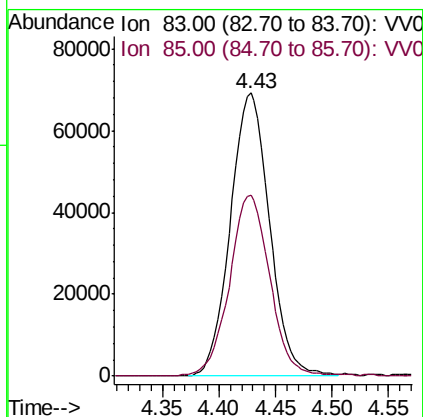
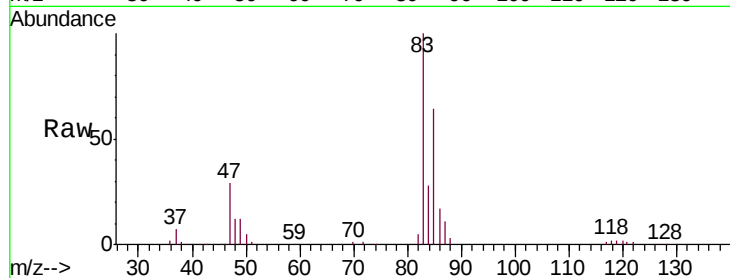




#25
Chloroform
Concen: 24.512 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV010064.D
Acq: 02 Apr 2019 17:19

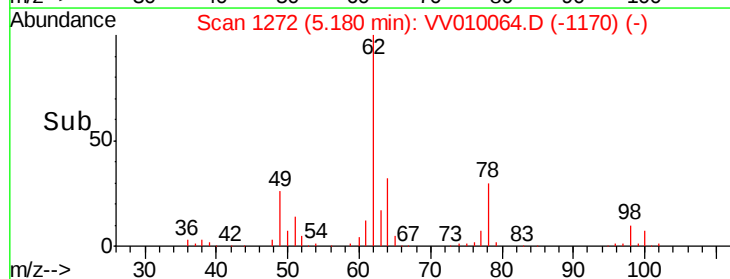
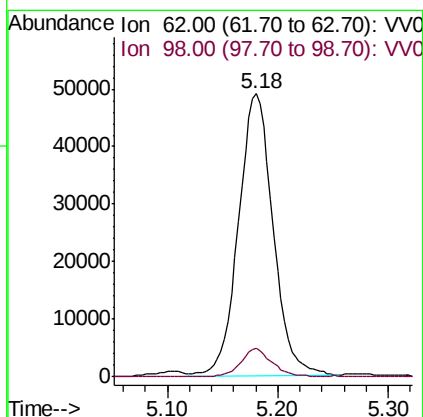
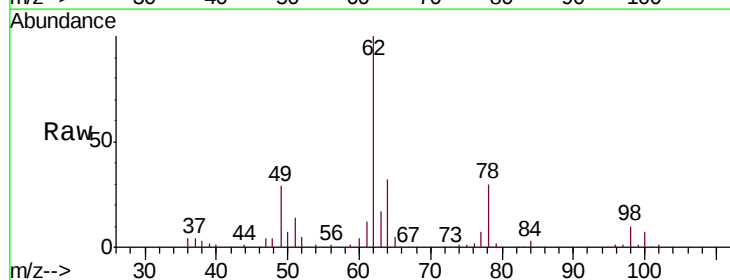
Instrument :
MSVOA_V
ClientSampleId :
VICV67

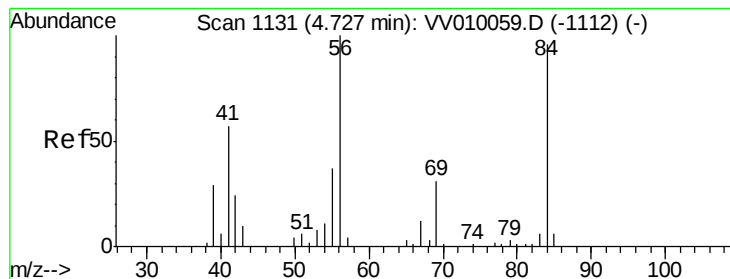
Tgt Ion: 83 Resp: 166489
Ion Ratio Lower Upper
83 100
85 66.0 46.4 86.2



#27
1,2-Dichloroethane
Concen: 22.966 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010064.D
Acq: 02 Apr 2019 17:19

Tgt Ion: 62 Resp: 106406
Ion Ratio Lower Upper
62 100
98 10.2 7.2 10.8





#30

Cyclohexane

Concen: 23.548 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VICV67

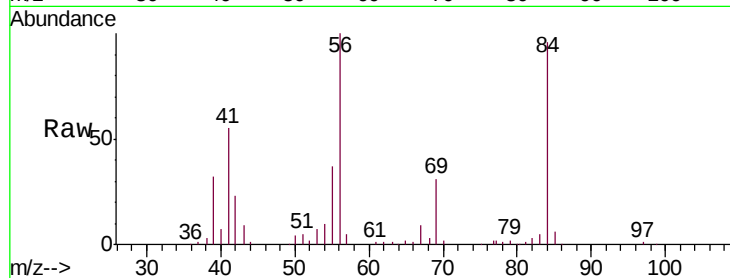
Tgt Ion: 56 Resp: 123958

Ion Ratio Lower Upper

56 100

69 31.8 25.1 37.7

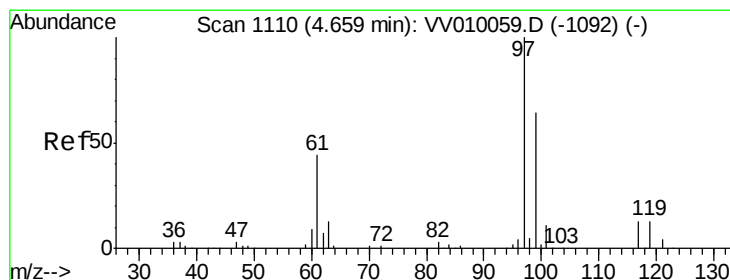
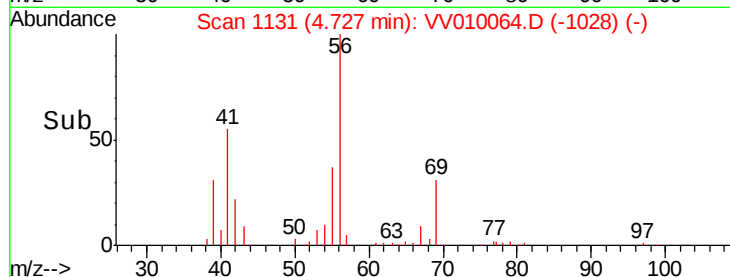
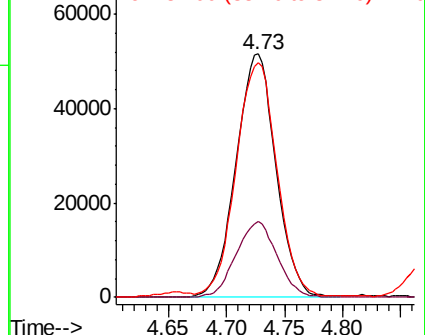
84 96.9 76.0 114.0



Abundance Ion 56.00 (55.70 to 56.70): VV010059.D (-1112) (-)

Ion 69.00 (68.70 to 69.70): VV010059.D (-1112) (-)

Ion 84.00 (83.70 to 84.70): VV010059.D (-1112) (-)



#31

1,1,1-Trichloroethane

Concen: 24.395 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

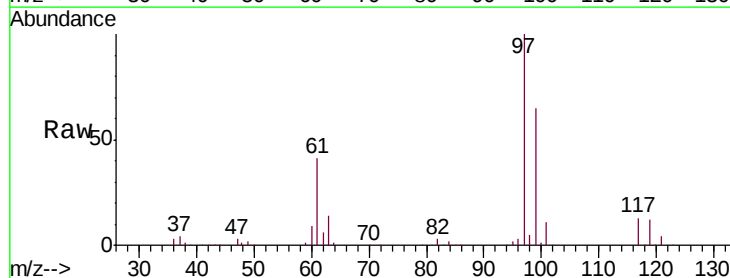
Tgt Ion: 97 Resp: 145084

Ion Ratio Lower Upper

97 100

99 64.8 52.4 78.6

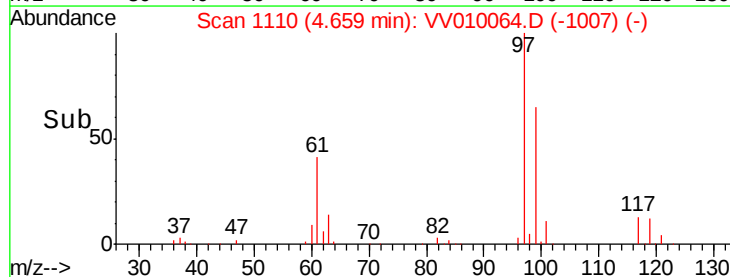
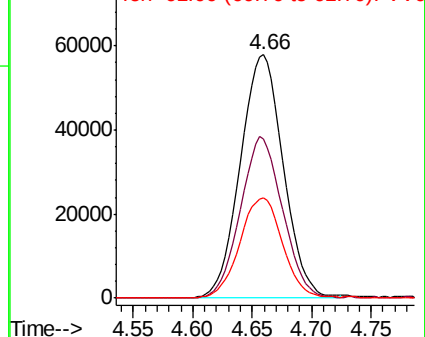
61 41.1 34.1 51.1

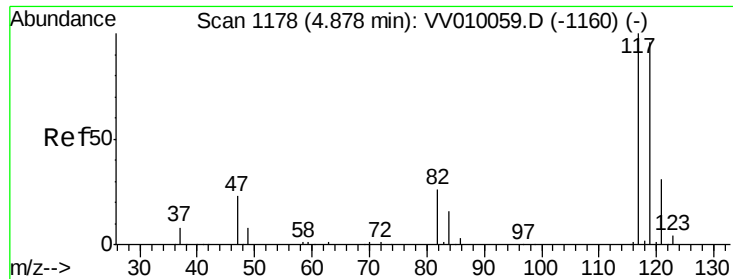


Abundance Ion 97.00 (96.70 to 97.70): VV010059.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV010059.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV010059.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 24.701 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

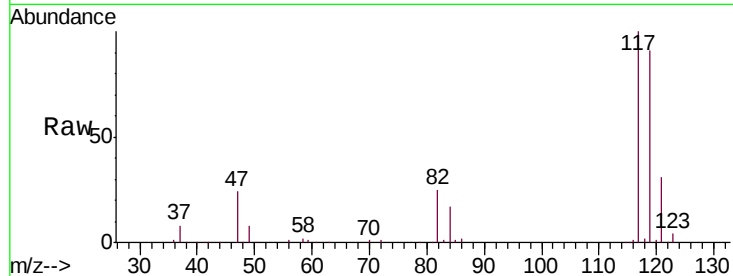
VICV67

Tgt Ion:117 Resp: 131306

Ion Ratio Lower Upper

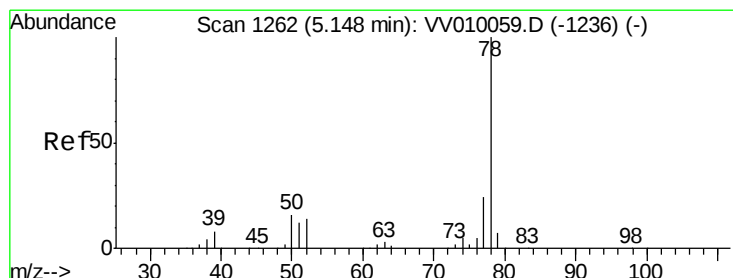
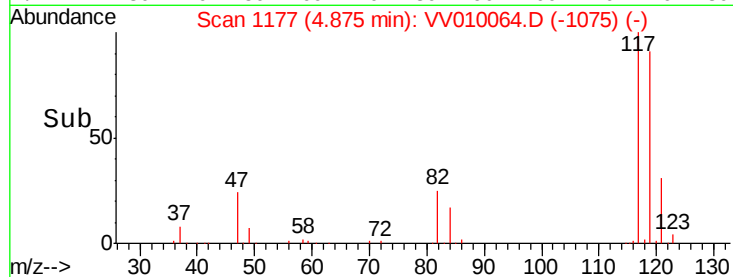
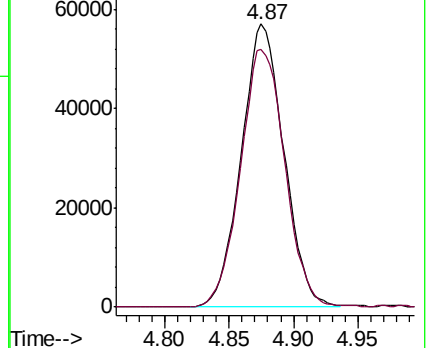
117 100

119 94.7 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.634 ug/L

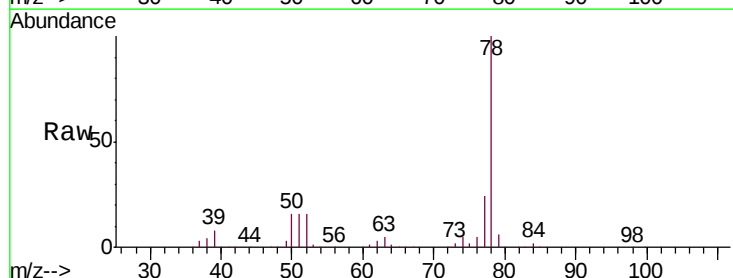
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

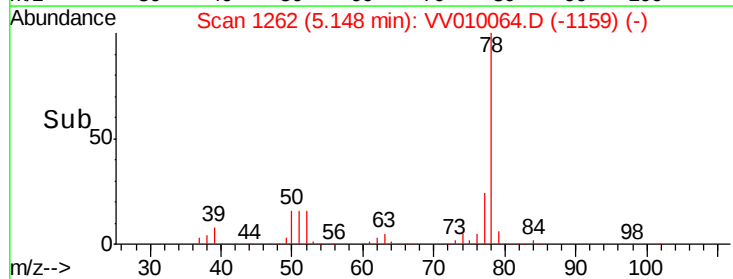
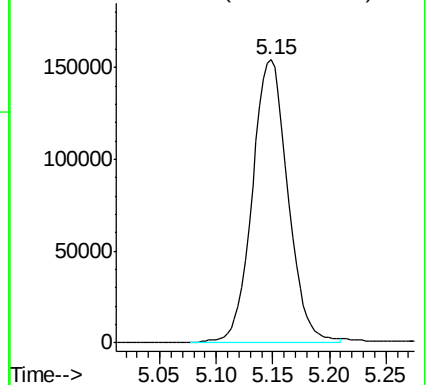
Lab File: VV010064.D

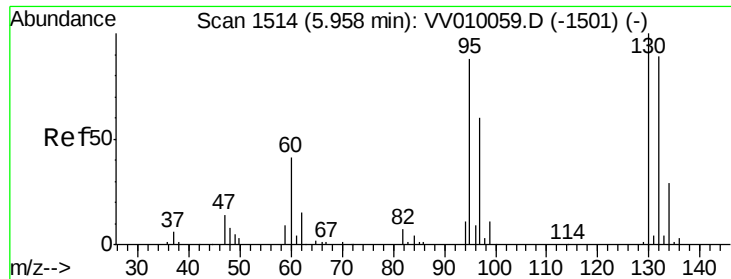
Acq: 02 Apr 2019 17:19

Tgt Ion: 78 Resp: 337040



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 23.569 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VICV67

Tgt Ion: 95 Resp: 96742

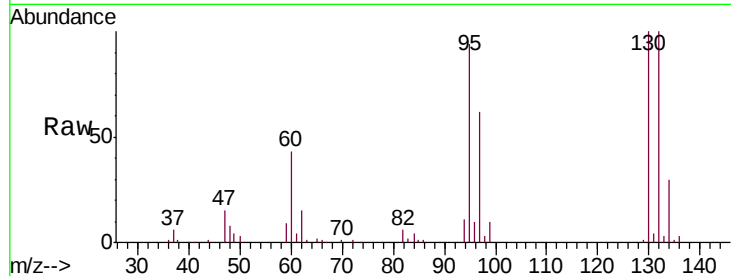
Ion Ratio Lower Upper

95 100

97 65.1 45.8 85.2

132 102.3 70.6 131.0

130 107.0 76.1 141.3

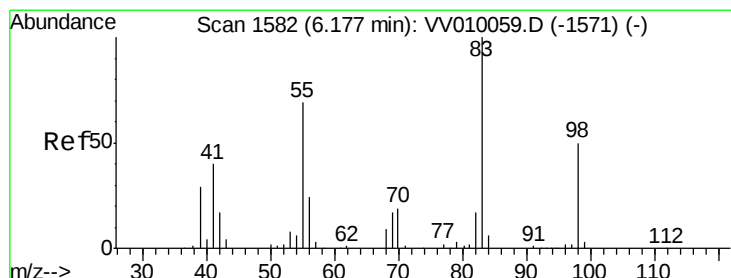
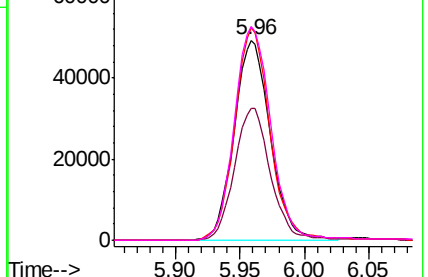
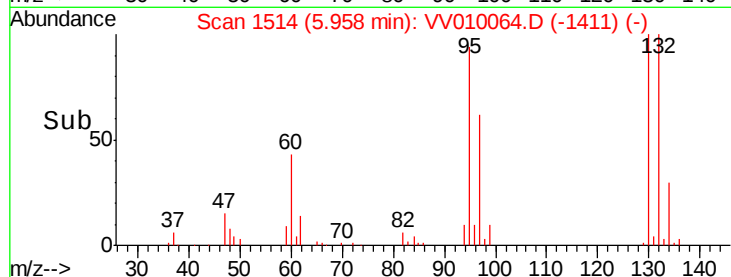


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 24.502 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

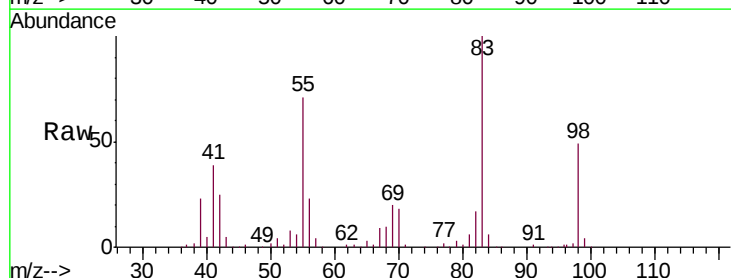
Tgt Ion: 83 Resp: 150671

Ion Ratio Lower Upper

83 100

55 69.5 56.3 84.5

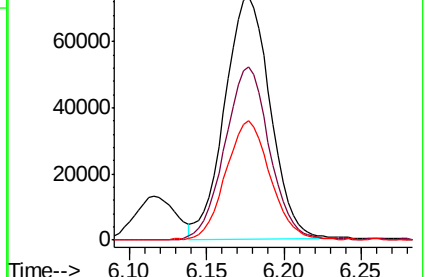
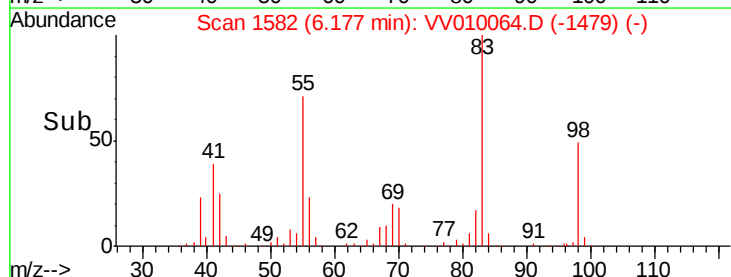
98 48.0 39.0 58.6

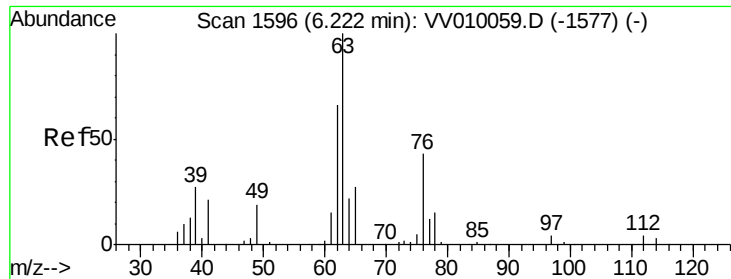


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

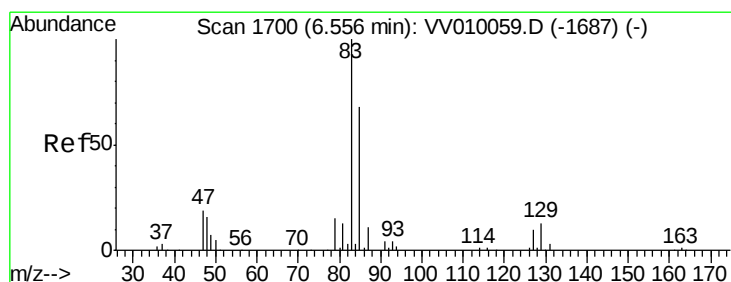
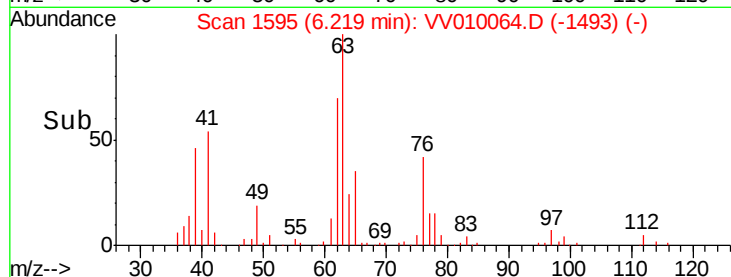
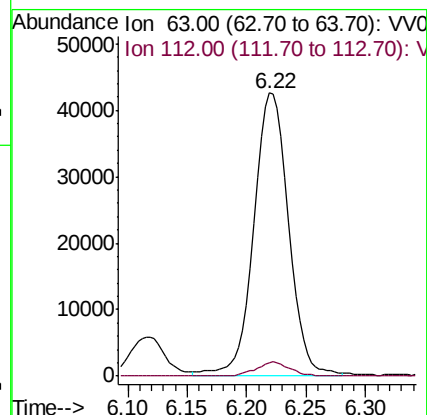
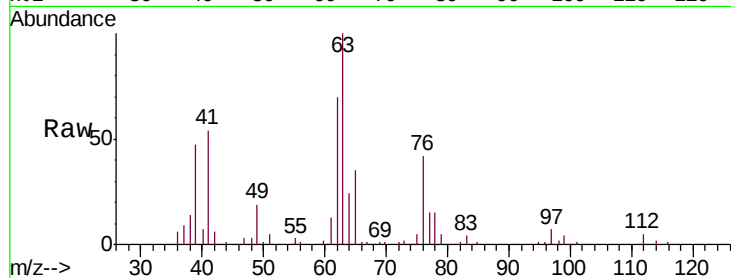




#40
 1,2-Dichloropropane
 Concen: 23.950 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

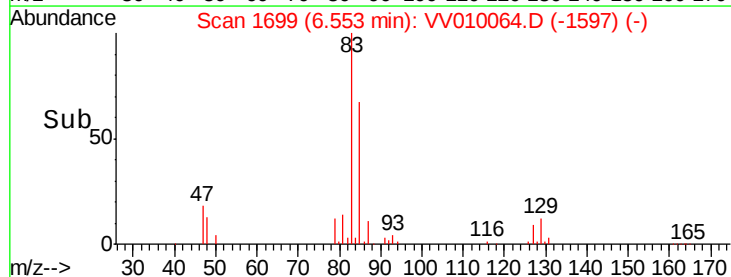
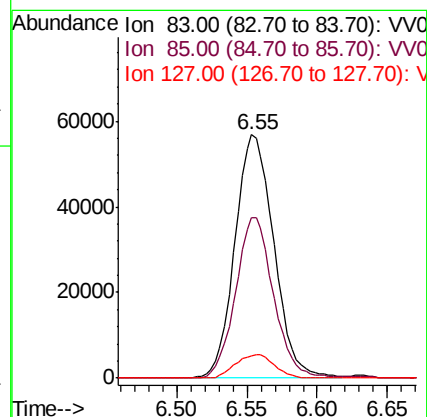
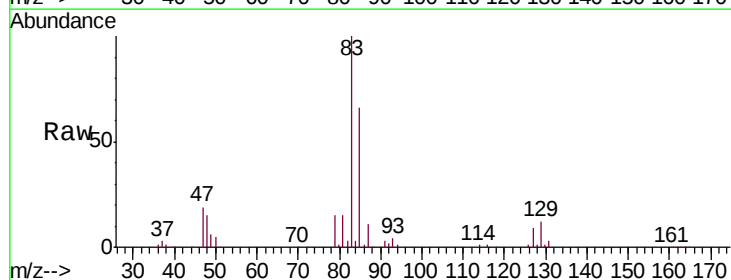
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

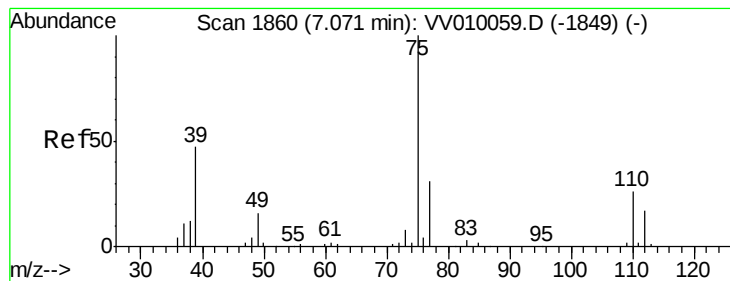
Tgt Ion: 63 Resp: 86295
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.6 5.4



#41
 Bromodichloromethane
 Concen: 23.469 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 83 Resp: 109975
 Ion Ratio Lower Upper
 83 100
 85 65.7 47.5 88.3
 127 9.2 7.7 11.5



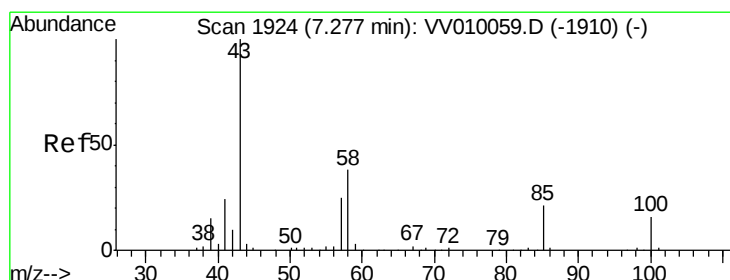
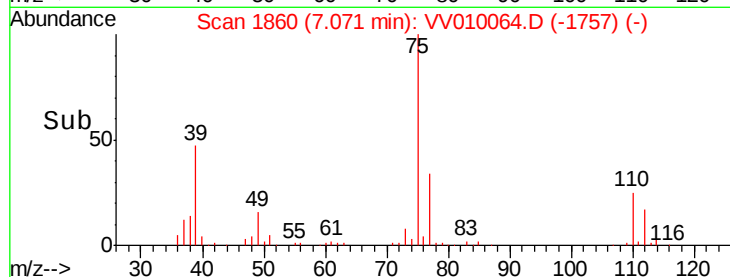
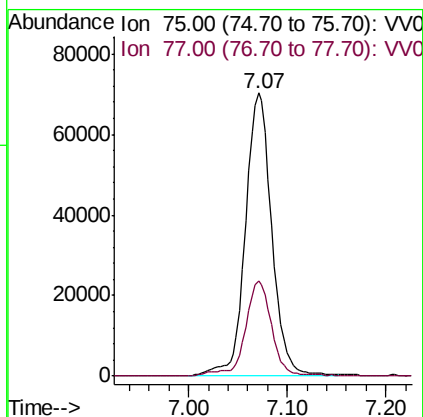
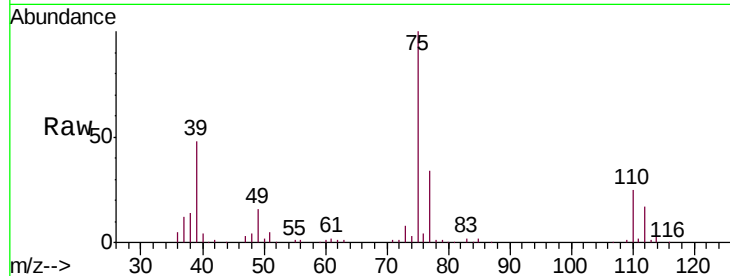


#42

cis-1,3-Dichloropropene
 Concen: 24.892 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

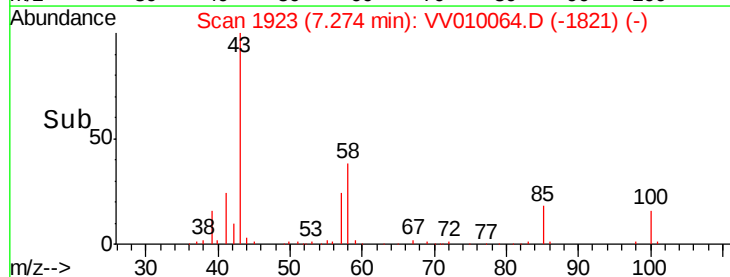
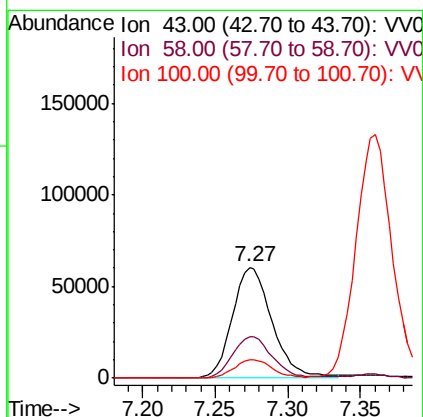
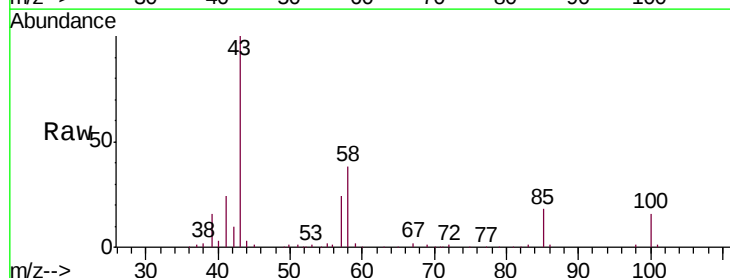
Tgt Ion: 75 Resp: 129832
 Ion Ratio Lower Upper
 75 100
 77 33.5 22.1 41.1

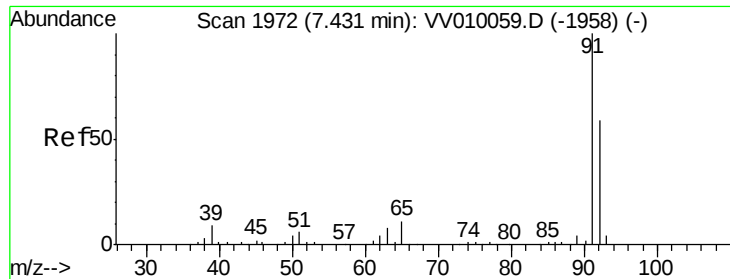


#43

4-Methyl-2-pentanone
 Concen: 43.093 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 43 Resp: 114883
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.5 47.3
 100 15.9 13.4 20.0





#44

Toluene

Concen: 24.241 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

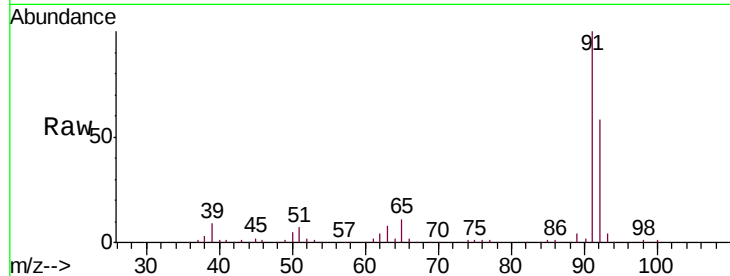
VICV67

Tgt Ion: 91 Resp: 387968

Ion Ratio Lower Upper

91 100

92 57.9 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV010059.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010059.D (-1958) (-)

7.43

250000

200000

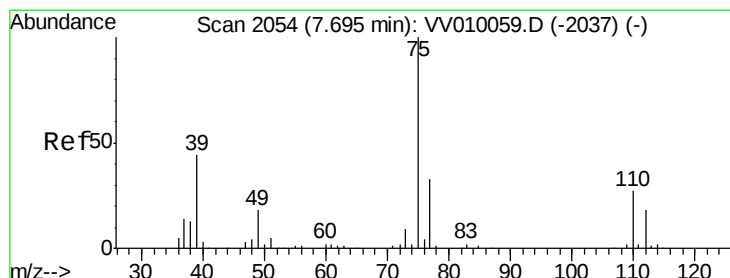
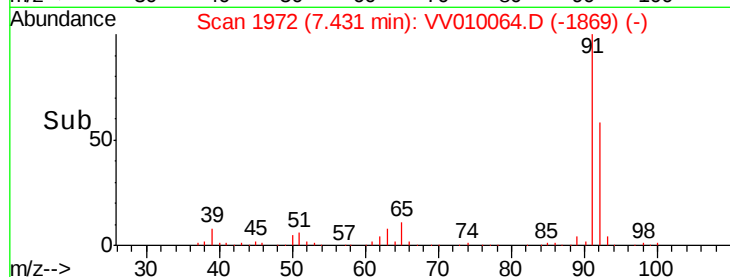
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.964 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010064.D

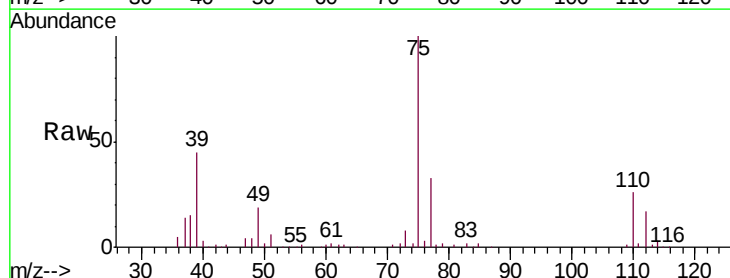
Acq: 02 Apr 2019 17:19

Tgt Ion: 75 Resp: 106301

Ion Ratio Lower Upper

75 100

77 33.0 23.5 43.7



Abundance Ion 75.00 (74.70 to 75.70): VV010059.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV010059.D (-2037) (-)

7.69

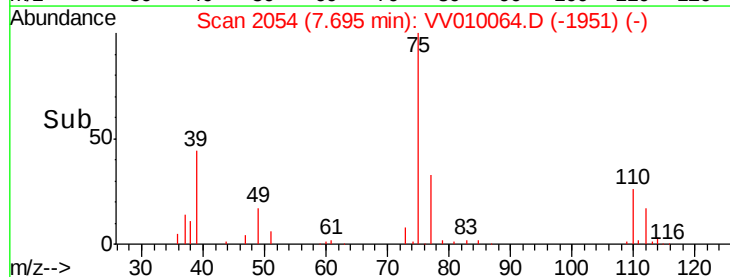
60000

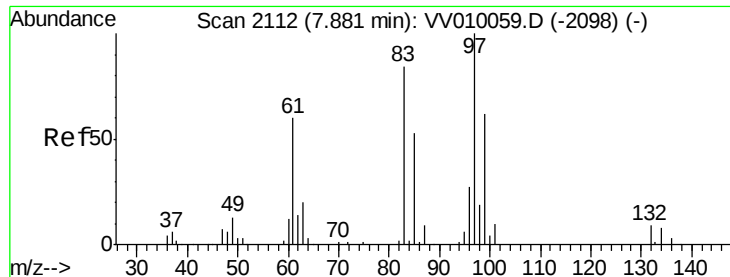
40000

20000

0

Time-->

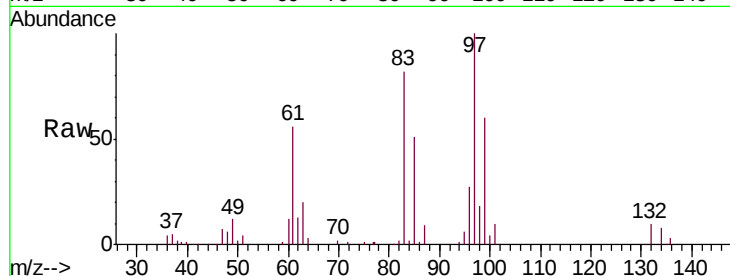




#46
 1,1,2-Trichloroethane
 Concen: 23.302 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

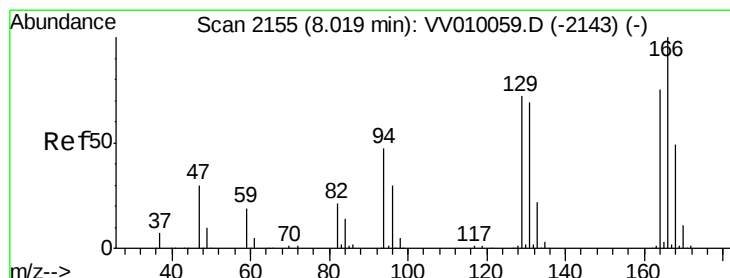
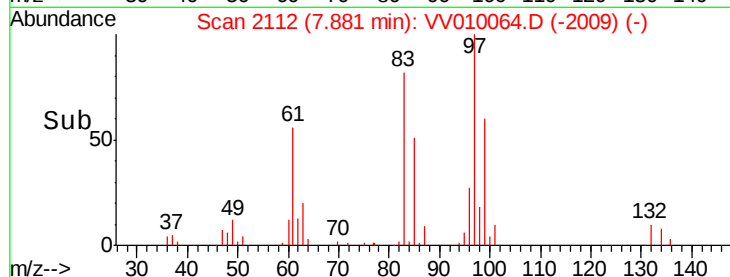
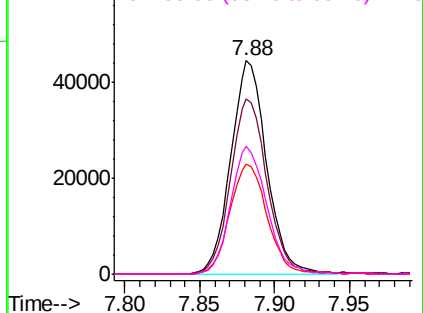
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion:	97	Resp:	74450
Ion	Ratio	Lower	Upper
97	100		
83	82.1	58.5	108.7
85	51.4	37.2	69.2
99	59.8	43.3	80.3



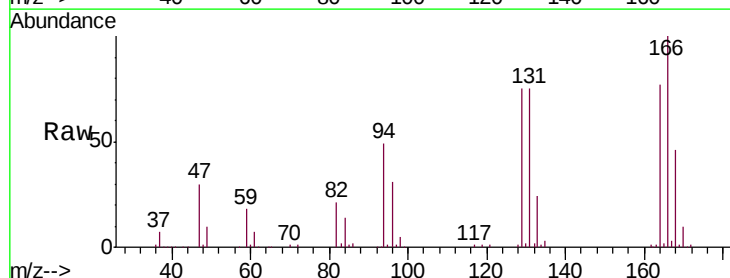
Abundance

Ion 97.00 (96.70 to 97.70): VV0



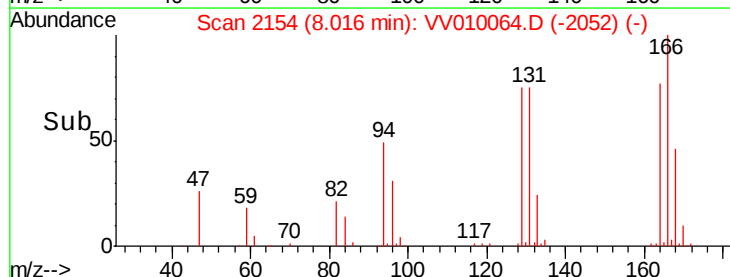
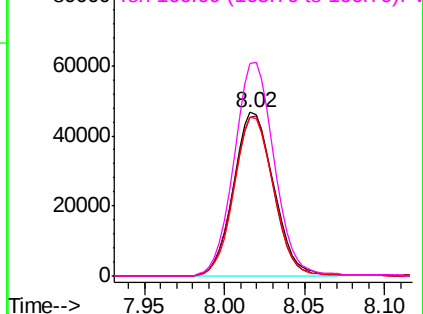
#47
 Tetrachloroethene
 Concen: 23.364 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

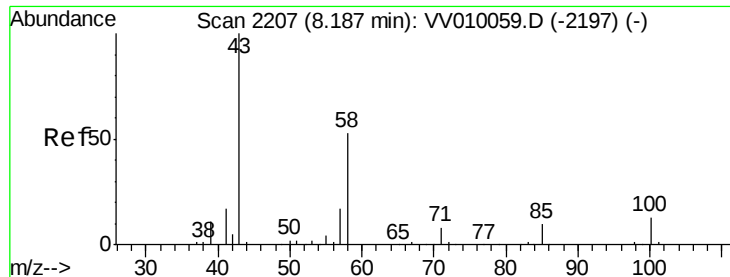
Tgt Ion:	164	Resp:	80274
Ion	Ratio	Lower	Upper
164	100		
129	97.1	67.8	125.8
131	97.1	65.2	121.0
166	129.5	93.8	174.2



Abundance

Ion 164.00 (163.70 to 164.70): V

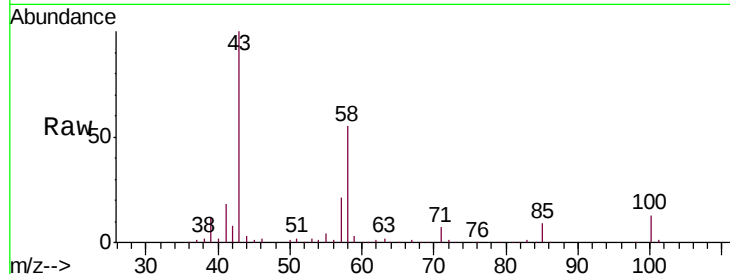




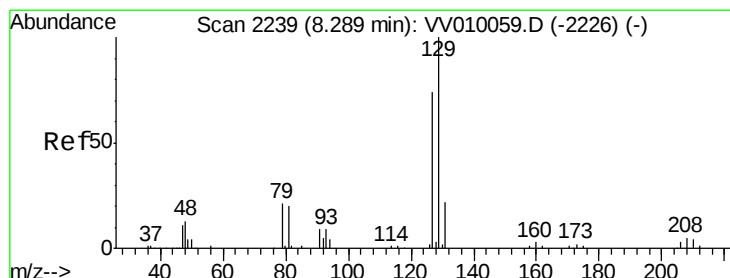
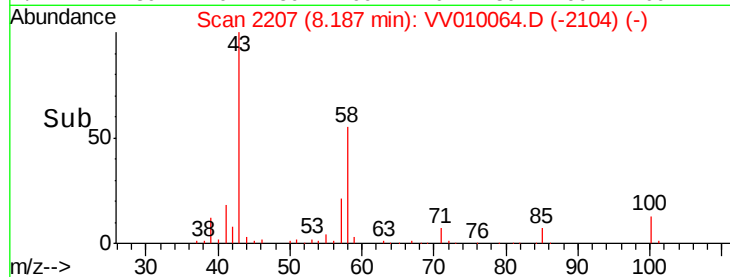
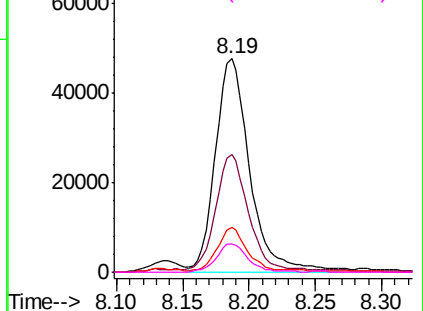
#49
2-Hexanone
Concen: 45.148 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010064.D
Acq: 02 Apr 2019 17:19

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Tgt Ion:	43	Resp:	85970
Ion	Ratio	Lower	Upper
43	100		
58	50.2	44.3	66.5
57	16.9	13.8	20.8
100	12.1	10.6	15.8

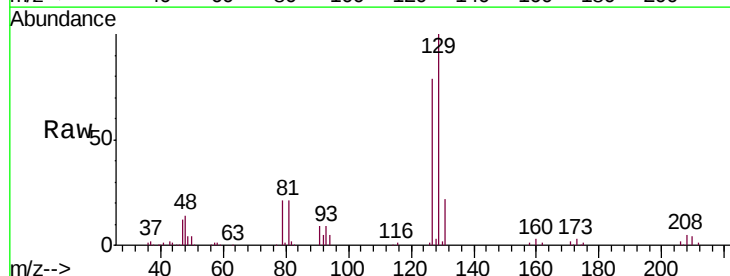


Abundance Ion 43.00 (42.70 to 43.70): VV010059.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV010059.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV010059.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV010059.D (-2197) (-)

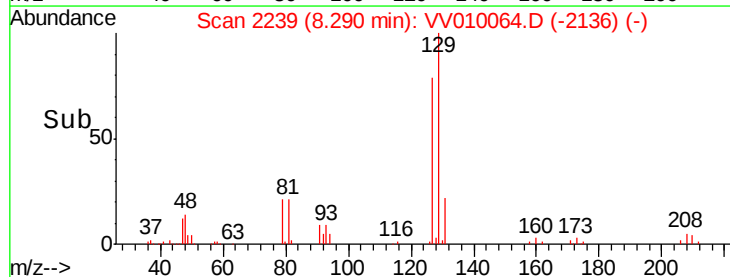
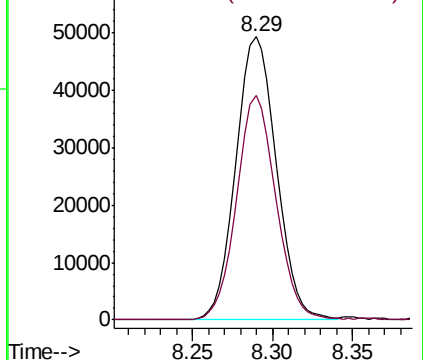


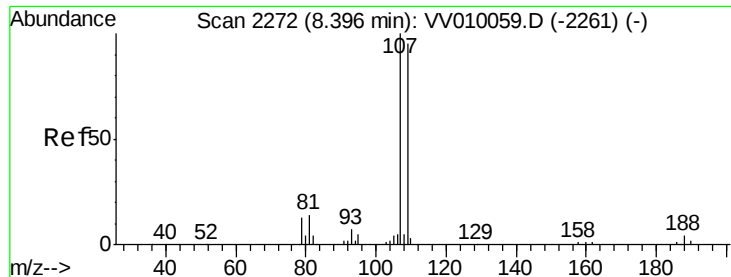
#50
Dibromochloromethane
Concen: 23.815 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010064.D
Acq: 02 Apr 2019 17:19

Tgt Ion:	129	Resp:	85295
Ion	Ratio	Lower	Upper
129	100		
127	79.3	52.1	96.7



Abundance Ion 129.00 (128.70 to 129.70): VV010059.D (-2226) (-)
Ion 127.00 (126.70 to 127.70): VV010059.D (-2226) (-)





#51

1,2-Dibromoethane

Concen: 22.817 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampled :

VICV67

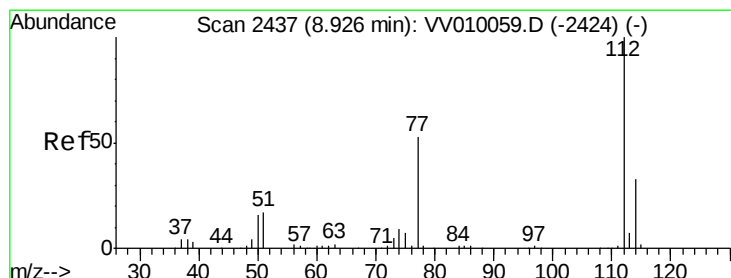
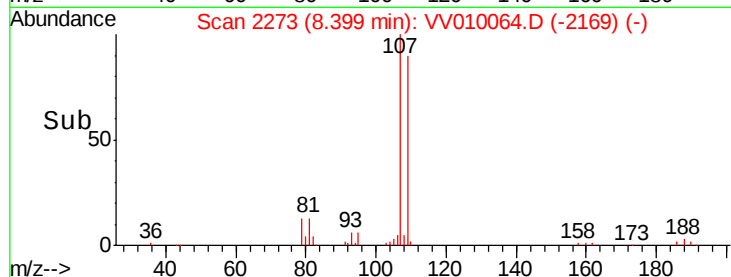
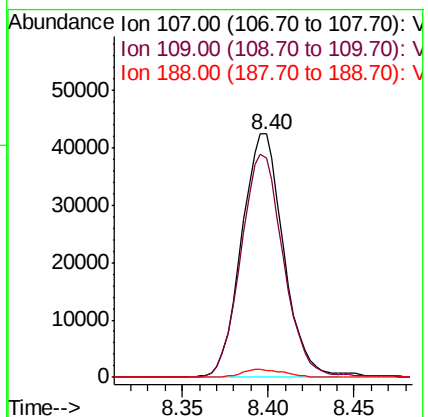
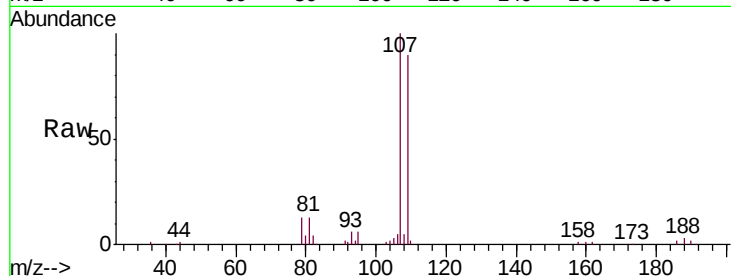
Tgt Ion:107 Resp: 72043

Ion Ratio Lower Upper

107 100

109 89.9 66.5 123.5

188 3.0 3.3 4.9#



#52

Chlorobenzene

Concen: 24.170 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

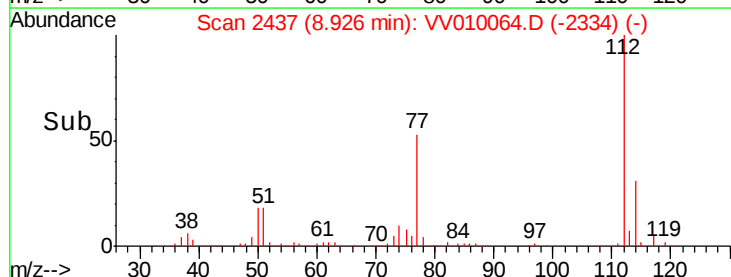
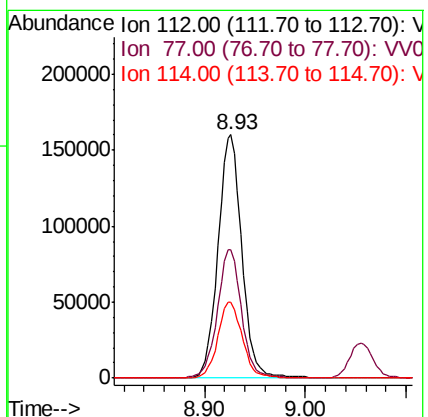
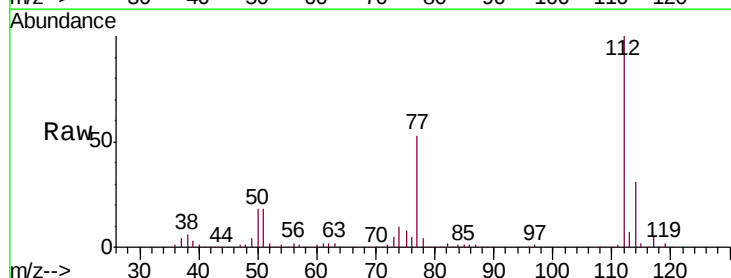
Tgt Ion:112 Resp: 263864

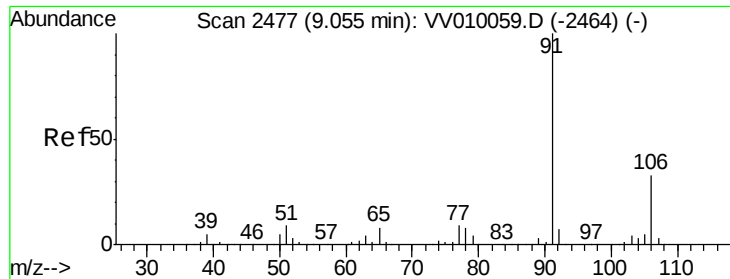
Ion Ratio Lower Upper

112 100

77 52.7 42.9 64.3

114 31.1 23.4 43.4





#53

Ethylbenzene

Concen: 24.541 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

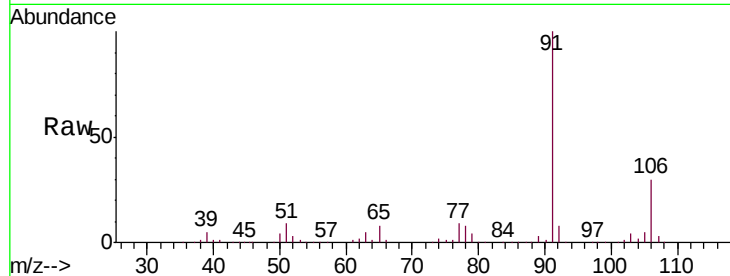
VICV67

Tgt Ion: 91 Resp: 430700

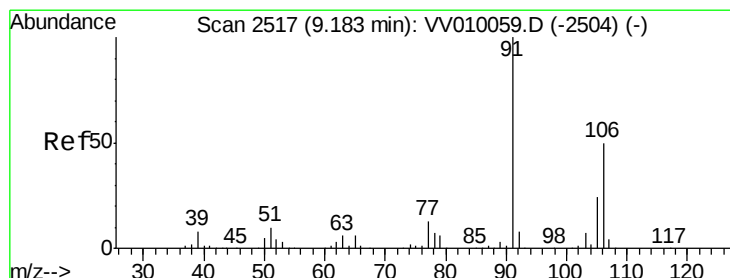
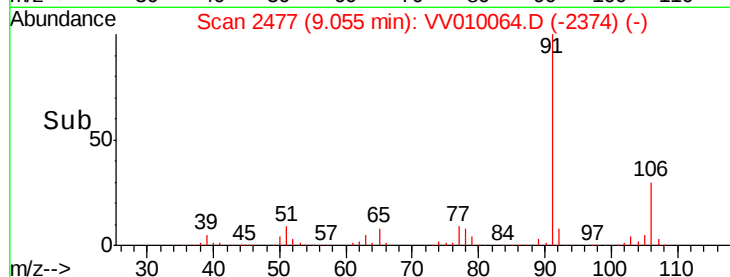
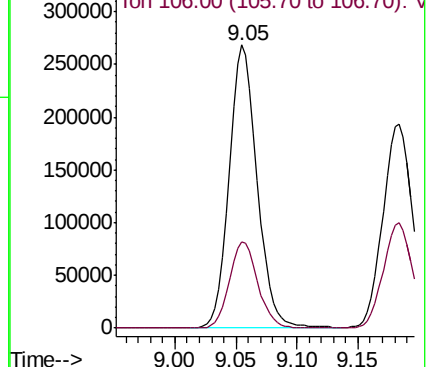
Ion Ratio Lower Upper

91 100

106 30.3 23.1 42.9



Abundance Ion 91.00 (90.70 to 91.70): VV010059.D (-2464) (-)



#54

m,p-Xylene

Concen: 24.522 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010064.D

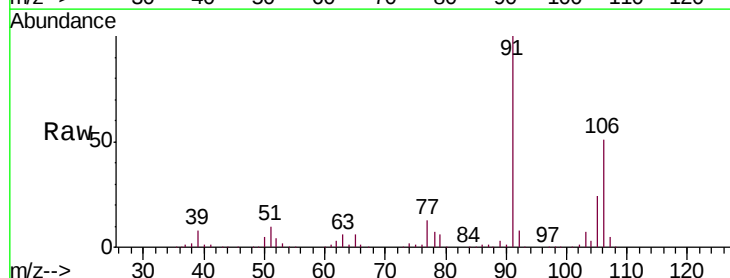
Acq: 02 Apr 2019 17:19

Tgt Ion: 106 Resp: 167511

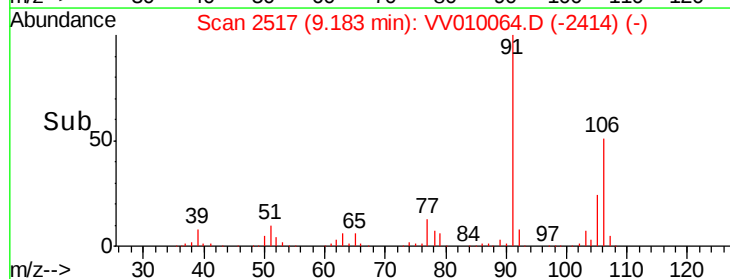
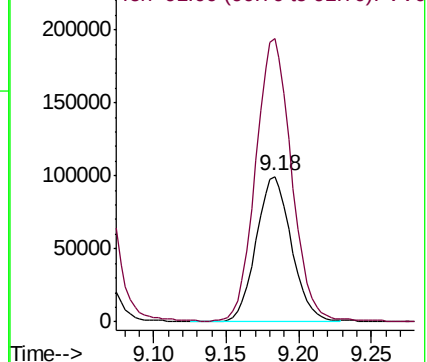
Ion Ratio Lower Upper

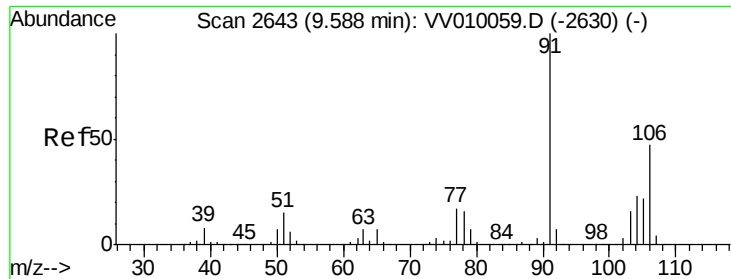
106 100

91 194.8 139.3 258.7



Abundance Ion 106.00 (105.70 to 106.70): VV010059.D (-2504) (-)





#55

o-xylene

Concen: 24.659 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

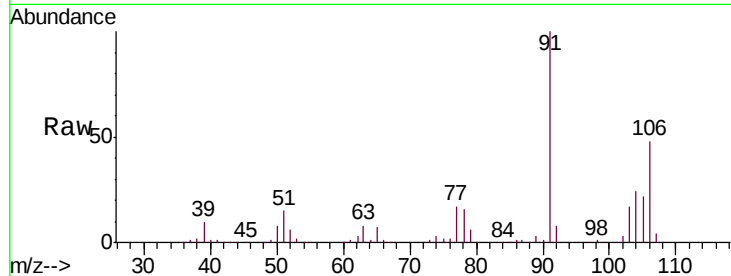
VICV67

Tgt Ion:106 Resp: 163193

Ion Ratio Lower Upper

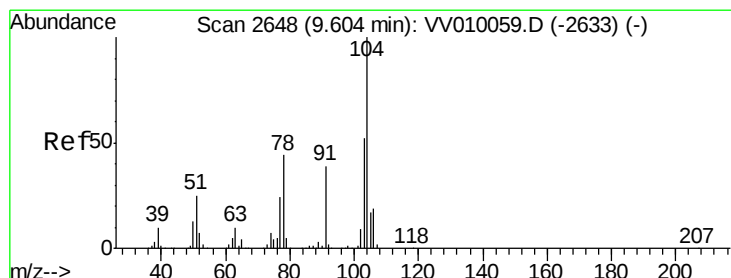
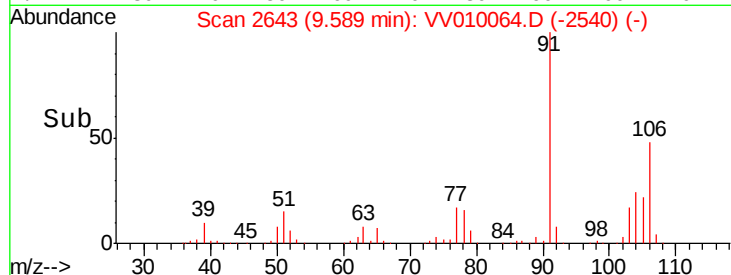
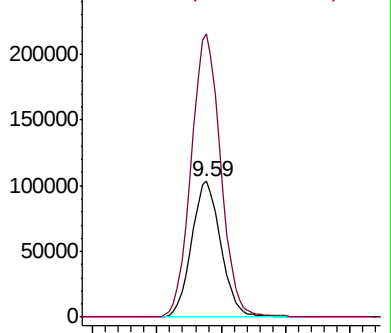
106 100

91 208.7 150.4 279.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.417 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010064.D

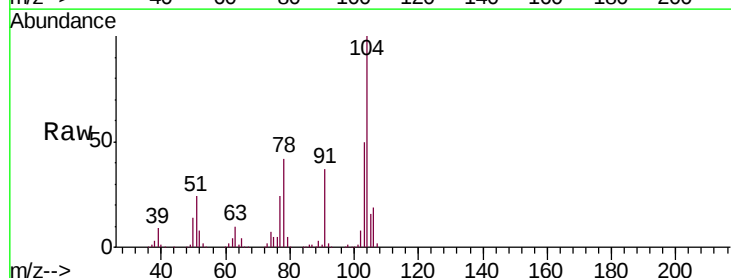
Acq: 02 Apr 2019 17:19

Tgt Ion:104 Resp: 278248

Ion Ratio Lower Upper

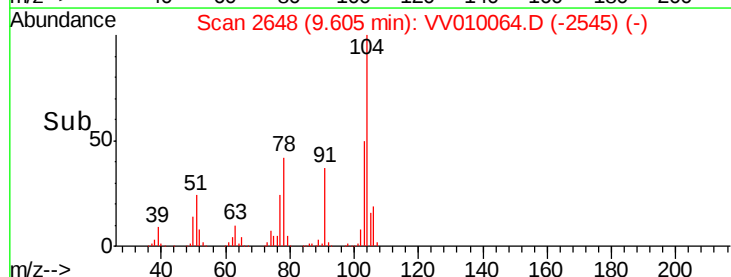
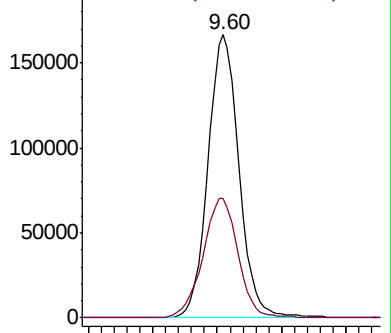
104 100

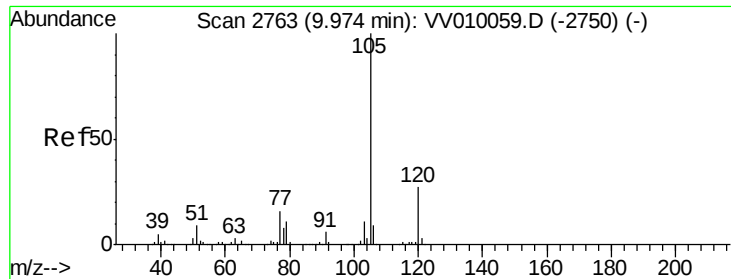
78 42.4 30.5 56.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.378 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VICV67

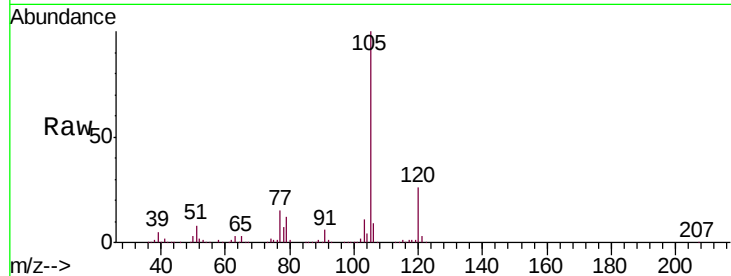
Tgt Ion: 105 Resp: 442924

Ion Ratio Lower Upper

105 100

120 26.6 21.5 32.3

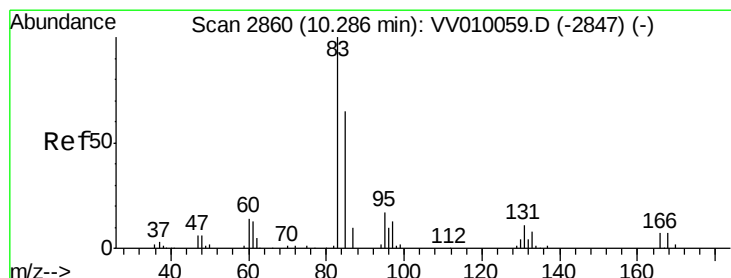
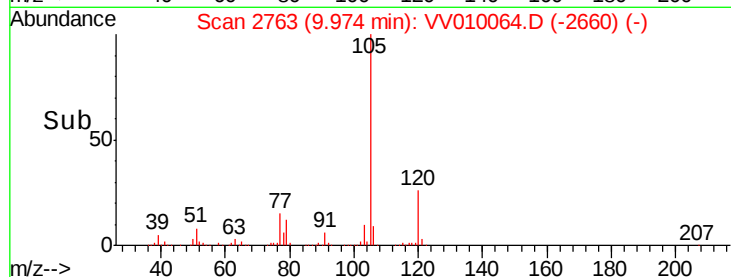
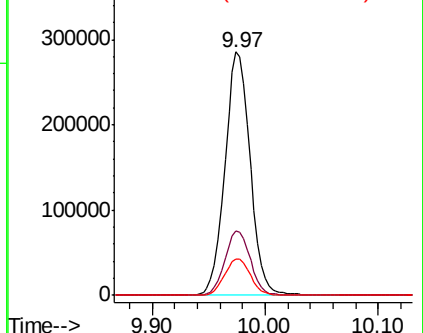
77 15.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 21.782 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

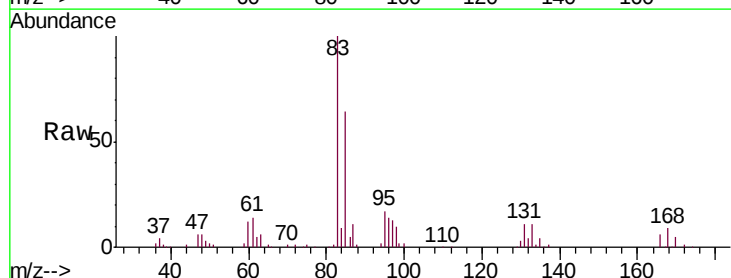
Tgt Ion: 83 Resp: 89384

Ion Ratio Lower Upper

83 100

85 63.7 46.1 85.7

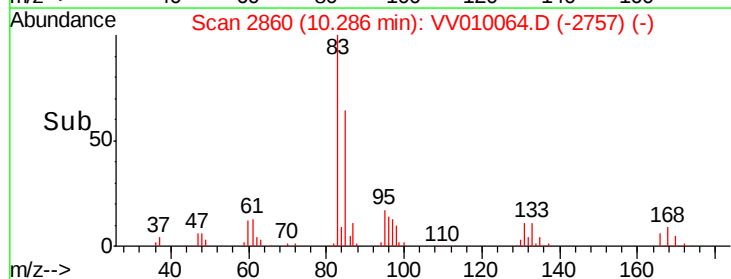
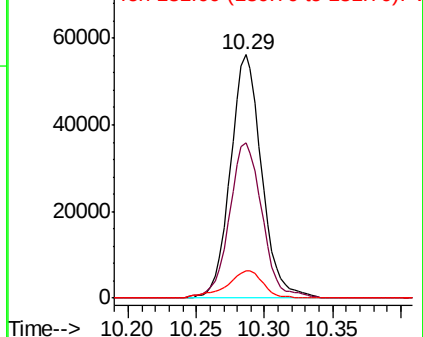
131 11.3 9.0 13.4

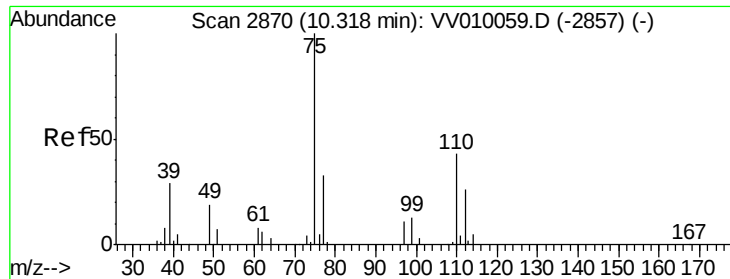


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 21.707 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

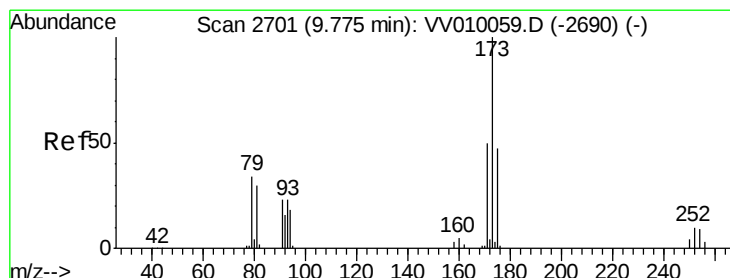
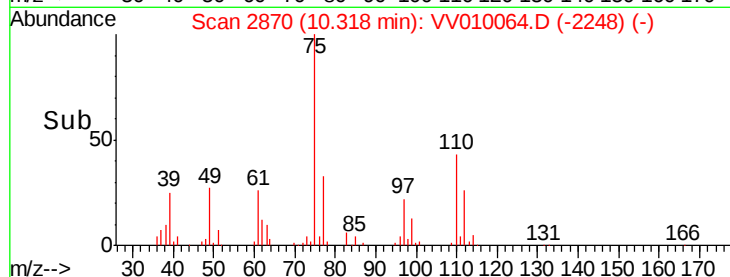
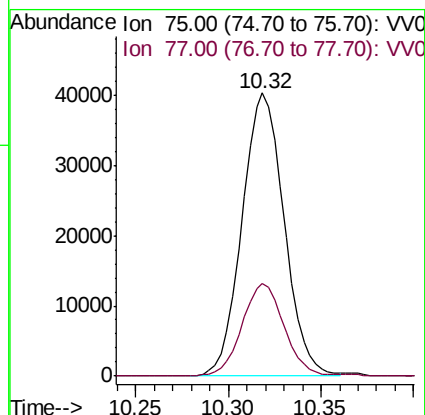
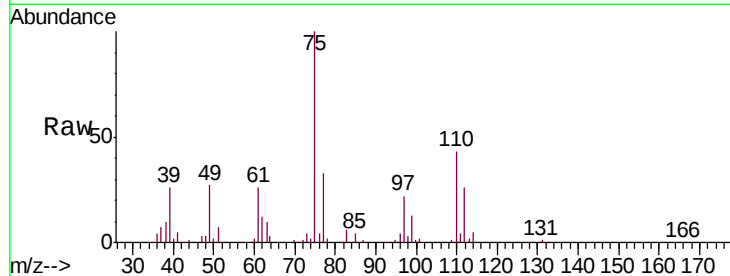
VICV67

Tgt Ion: 75 Resp: 63873

Ion Ratio Lower Upper

75 100

77 32.5 25.8 38.8



#62

Bromoform

Concen: 21.324 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

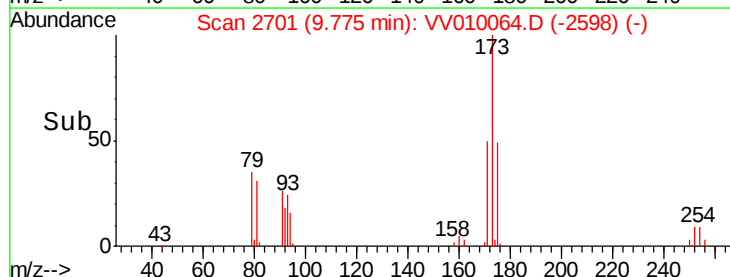
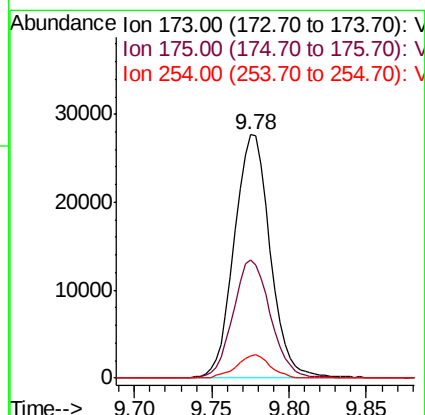
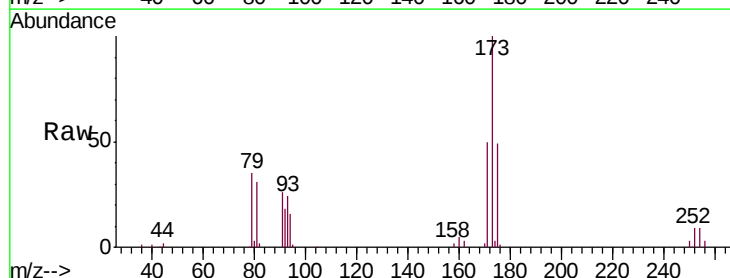
Tgt Ion: 173 Resp: 44724

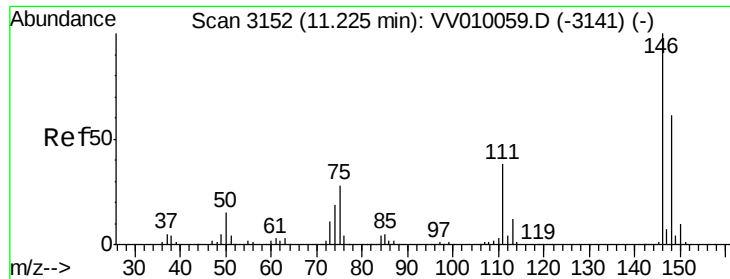
Ion Ratio Lower Upper

173 100

175 50.4 38.7 58.1

254 8.9 6.7 10.1





#63

1,3-Dichlorobenzene

Concen: 24.198 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VICV67

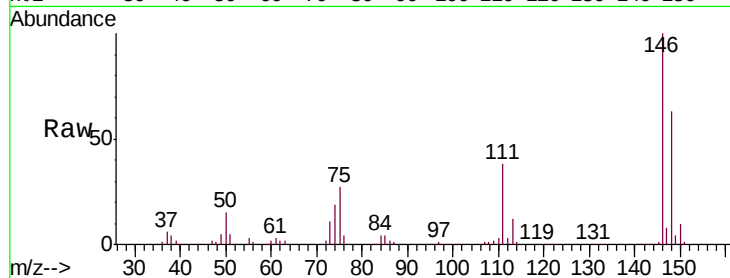
Tgt Ion:146 Resp: 211798

Ion Ratio Lower Upper

146 100

111 37.9 26.8 49.8

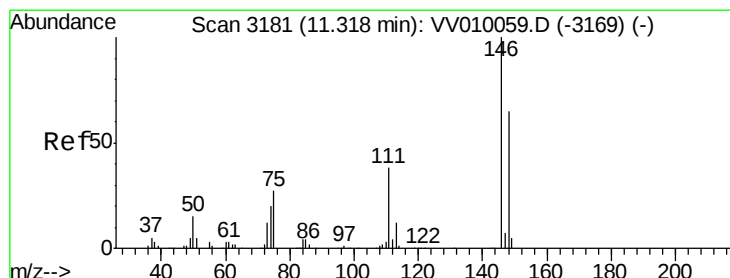
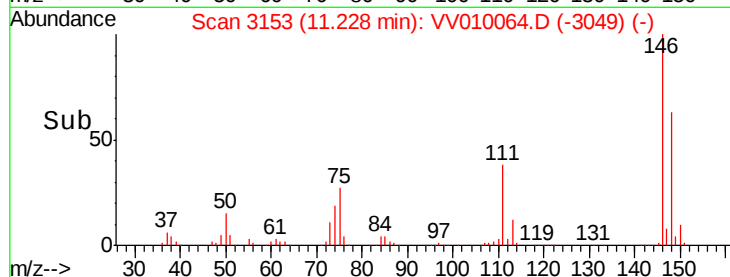
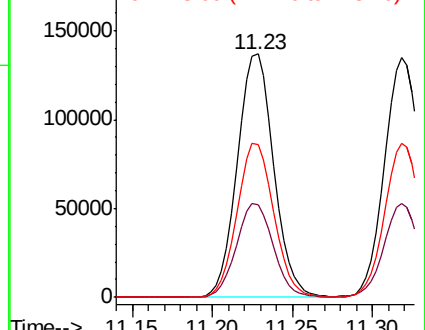
148 62.8 42.7 79.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 23.698 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

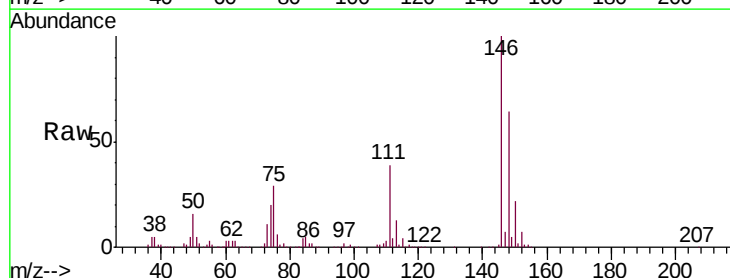
Tgt Ion:146 Resp: 216068

Ion Ratio Lower Upper

146 100

111 39.4 26.9 50.1

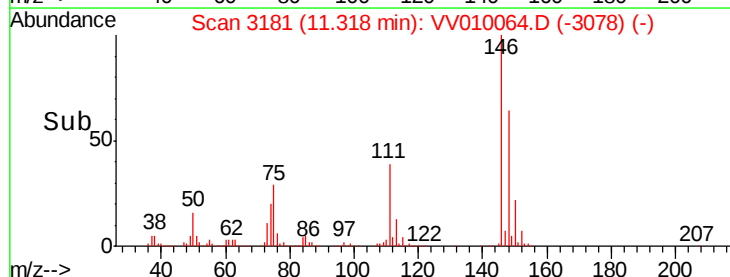
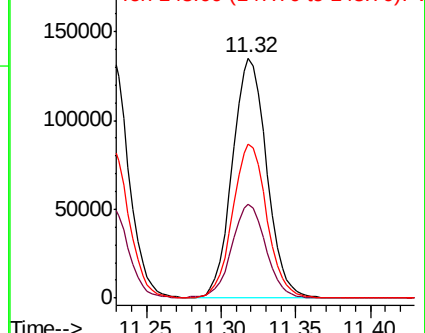
148 64.4 45.6 84.6

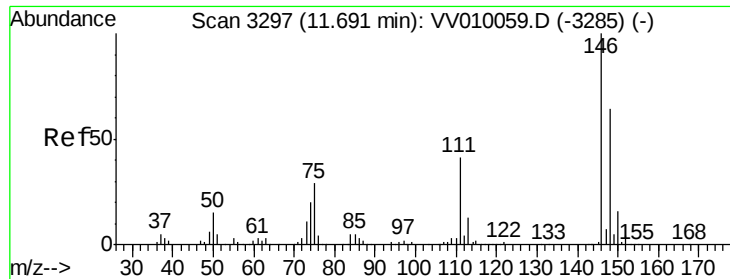


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

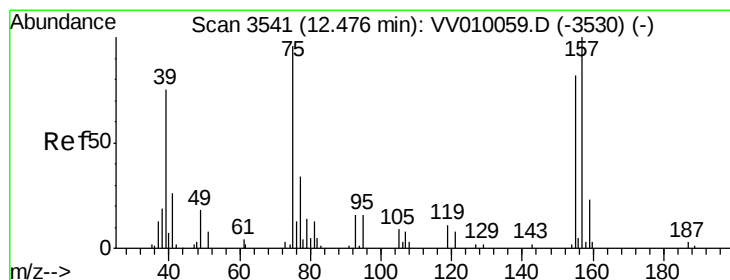
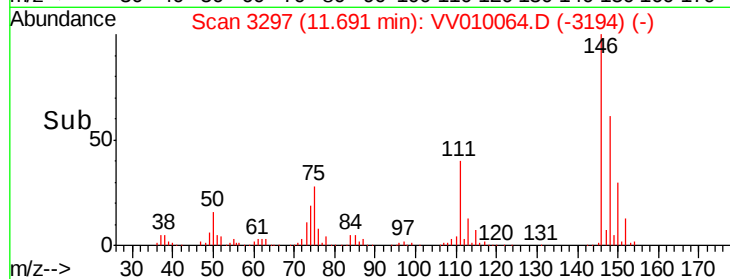
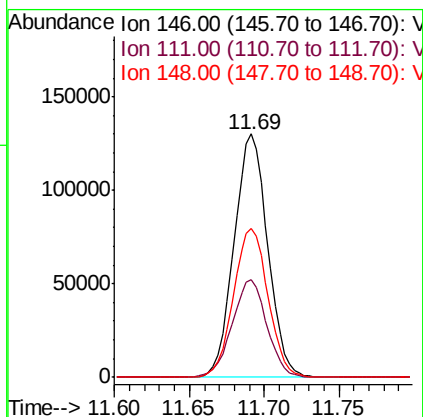
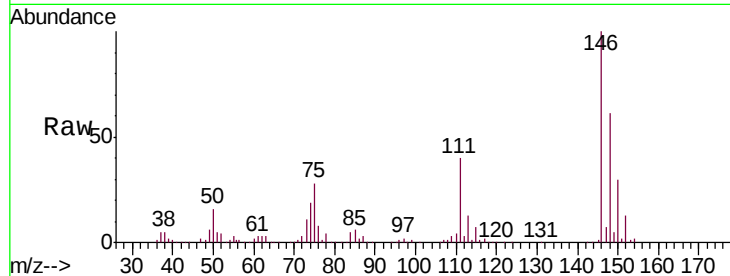




#65
 1,2-Dichlorobenzene
 Concen: 23.644 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

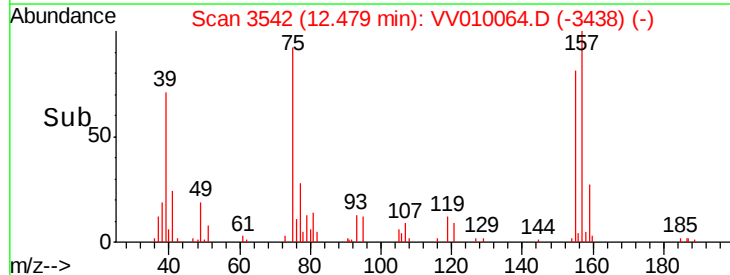
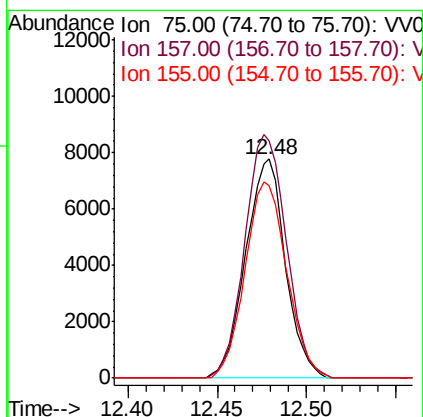
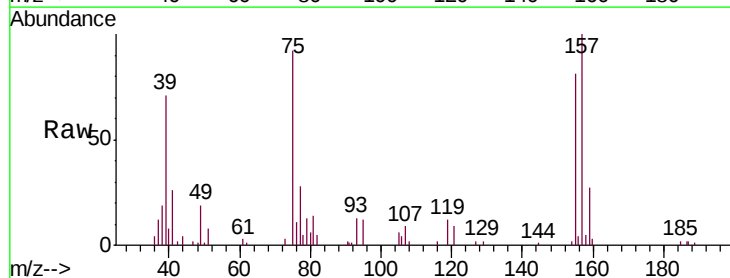
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

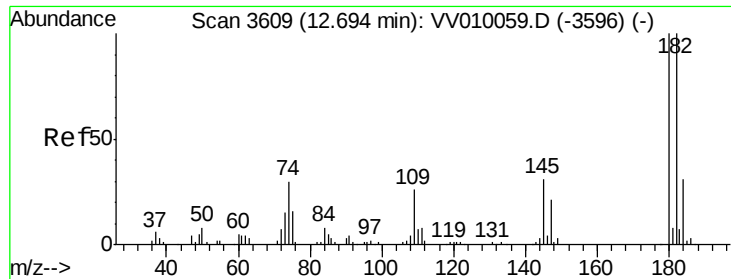
Tgt Ion: 146 Resp: 203305
 Ion Ratio Lower Upper
 146 100
 111 39.9 33.2 49.8
 148 60.9 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.734 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion: 75 Resp: 12088
 Ion Ratio Lower Upper
 75 100
 157 108.3 83.0 124.6
 155 88.1 68.1 102.1

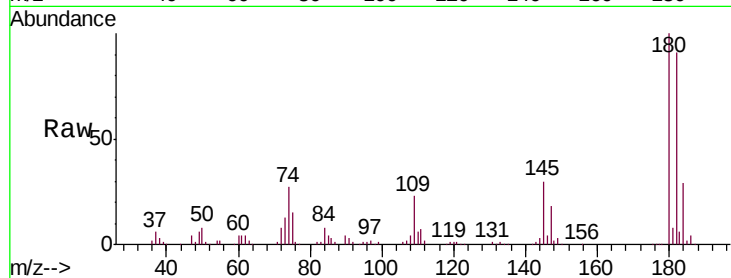




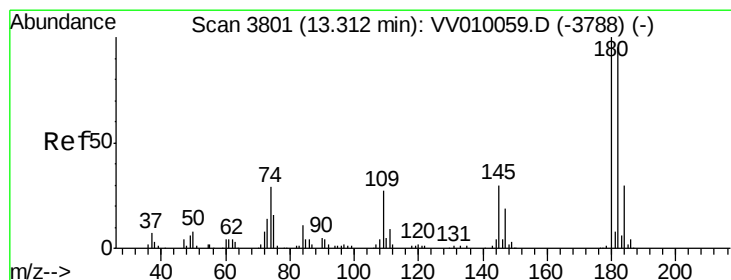
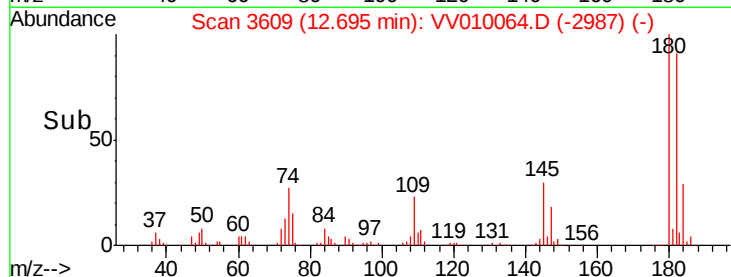
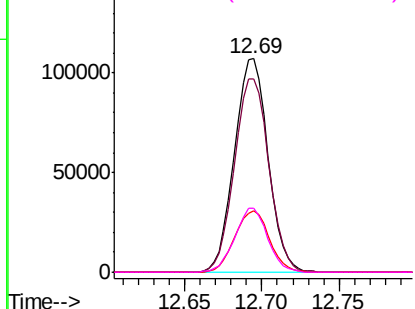
#67
 1,3,5-Trichlorobenzene
 Concen: 24.940 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion:	180	Resp:	162106
Ion	Ratio	Lower	Upper
180	100		
182	93.0	77.2	115.8
184	29.6	23.8	35.6
145	29.1	24.6	36.8

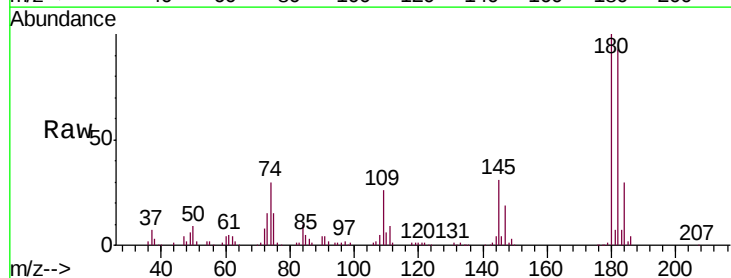


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

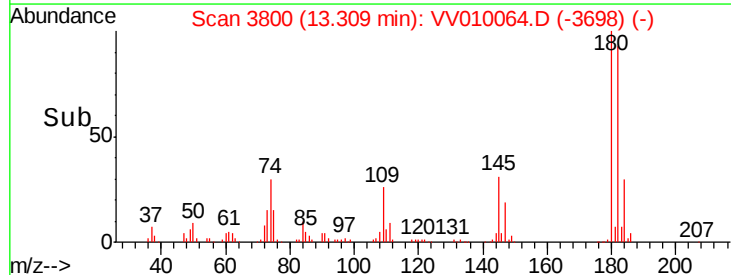
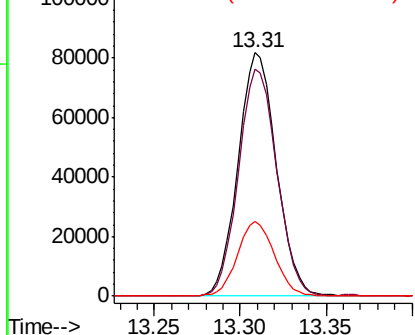


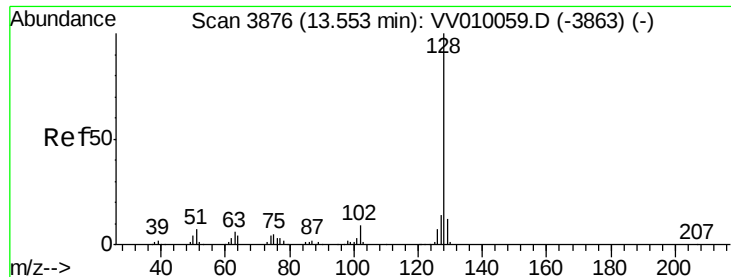
#68
 1,2,4-trichlorobenzene
 Concen: 25.358 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010064.D
 Acq: 02 Apr 2019 17:19

Tgt Ion:	180	Resp:	126217
Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.7	113.5
145	29.6	24.6	37.0



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: 23.820 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

Instrument :

MSVOA_V

ClientSampleId :

VICV67

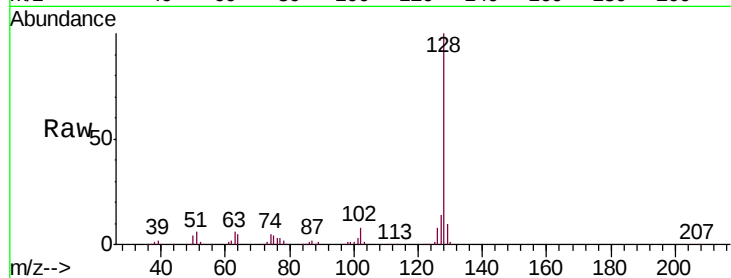
Tgt Ion:128 Resp: 197250

Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

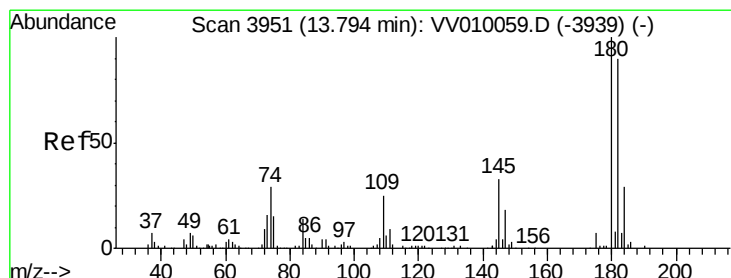
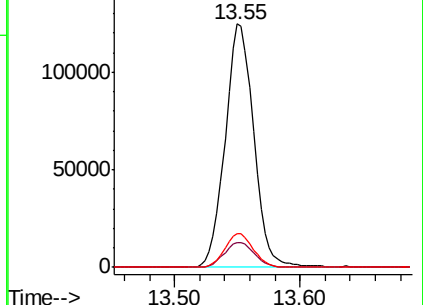
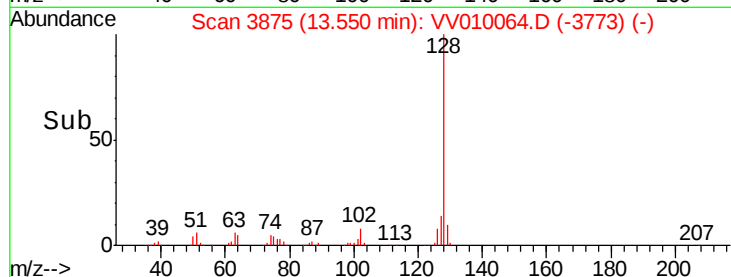
127 13.6 11.0 16.4



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: 25.203 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010064.D

Acq: 02 Apr 2019 17:19

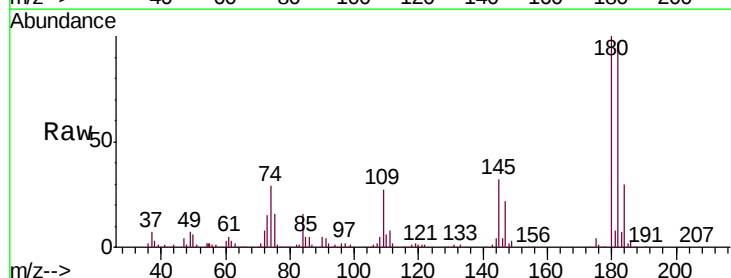
Tgt Ion:180 Resp: 117119

Ion Ratio Lower Upper

180 100

182 95.0 74.1 111.1

145 32.0 25.8 38.8



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

