

Data File : VV009471.D
Acq On : 04 Mar 2019 14:28
Operator : SY/MD
Sample : VSTDICV005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Quant Time: Mar 05 04:11:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	130055	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127076	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61583	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44380	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.58	69	39195	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.60%
11) 1,1-Dichloroethene-d2	2.13	63	104002	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.97	46	81661	52.70	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.40%
24) Chloroform-d	4.40	84	79376	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
26) 1,2-Dichloroethane-d4	5.09	65	38742	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
32) Benzene-d6	5.10	84	160179	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	6.12	67	46300	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	158482	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.67	79	19669	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.14	63	66394	50.38	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.76%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35444	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	55285	5.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41265	5.071 ug/L	97
3) Chloromethane	1.25	50	42546	4.699 ug/L	98
5) Vinyl chloride	1.32	62	46270	4.625 ug/L	99
6) Bromomethane	1.54	94	30397	4.726 ug/L	98
8) Chloroethane	1.60	64	32139	4.777 ug/L	98
9) Trichlorofluoromethane	1.77	101	99480	4.586 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	48566	4.445 ug/L	97
12) 1,1-Dichloroethene	2.14	96	43937	4.640 ug/L	95
13) Acetone	2.22	43	64973	47.889 ug/L #	47
14) Carbon disulfide	2.32	76	142587	4.620 ug/L	99
15) Methyl Acetate	2.47	43	15852	4.272 ug/L	99
16) Methylene chloride	2.54	84	46066	4.174 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	112756	4.719 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	48245	4.655 ug/L	95
19) 1,1-Dichloroethane	3.23	63	66568	4.471 ug/L	96
21) 2-Butanone	4.05	43	83699	49.750 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	42670	4.620 ug/L	96

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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	18064	4.954	ug/L	97
25) Chloroform	4.43	83	74182	4.711	ug/L	97
27) 1,2-Dichloroethane	5.18	62	45694	4.808	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	70438	4.772	ug/L	100
30) Cyclohexane	4.72	56	65185	4.636	ug/L	100
31) Carbon tetrachloride	4.87	117	56204	4.678	ug/L	98
33) Benzene	5.15	78	162399	4.714	ug/L	100
34) Trichloroethene	5.96	95	46885	4.810	ug/L	98
35) Methylcyclohexane	6.17	83	72029	4.628	ug/L	99
37) 1,2-Dichloropropane	6.22	63	40309	4.805	ug/L	98
38) Bromodichloromethane	6.56	83	55295	4.695	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	64421	4.896	ug/L	95
40) 4-Methyl-2-pentanone	7.28	43	218758	47.926	ug/L	99
42) Toluene	7.43	91	186190	4.720	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	50301	4.824	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	28515	4.800	ug/L	98
47) Tetrachloroethene	8.02	164	35236	4.697	ug/L	96
48) 2-Hexanone	8.19	43	151489	48.063	ug/L	96
49) Dibromochloromethane	8.29	129	36662	4.779	ug/L	94
50) 1,2-Dibromoethane	8.40	107	27699	4.788	ug/L #	92
51) Chlorobenzene	8.93	112	122329	4.695	ug/L	98
52) Ethylbenzene	9.06	91	213679	4.716	ug/L	98
53) m,p-xylene	9.18	106	84161	4.886	ug/L	93
54) o-xylene	9.59	106	80455	4.742	ug/L	96
55) Styrene	9.61	104	133682	4.862	ug/L	97
56) Isopropylbenzene	9.98	105	214797	4.664	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	34923	4.773	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	23995	4.664	ug/L	98
61) Bromoform	9.78	173	18517	4.849	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	96951	4.894	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	97200	4.877	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	89082	4.831	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	5760	4.884	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	70338	4.801	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	59781	5.186	ug/L	99
69) Naphthalene	13.55	128	103915	5.395	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	53180	5.111	ug/L	98

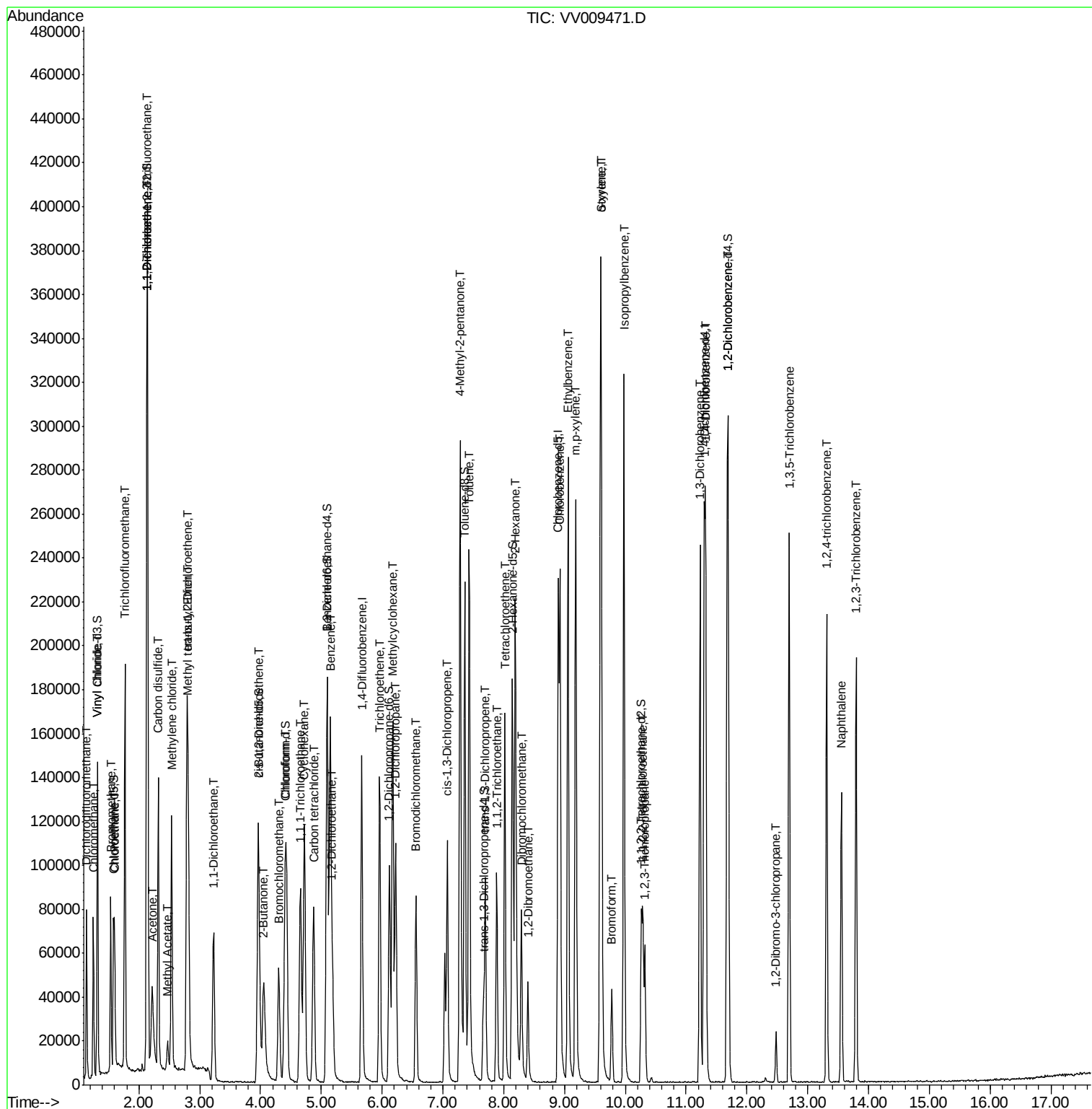
(#) = qualifier out of range (m) = manual integration (+) = signals summed

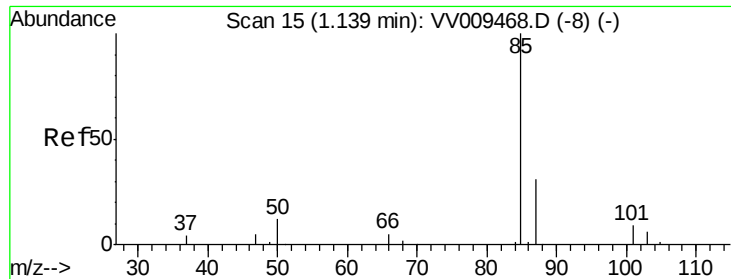
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#2

Dichlorodifluoromethane

Concen: 5.071 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

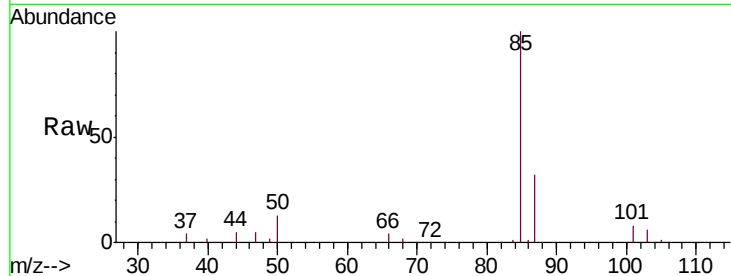
VICV67

Tgt Ion: 85 Resp: 41265

Ion Ratio Lower Upper

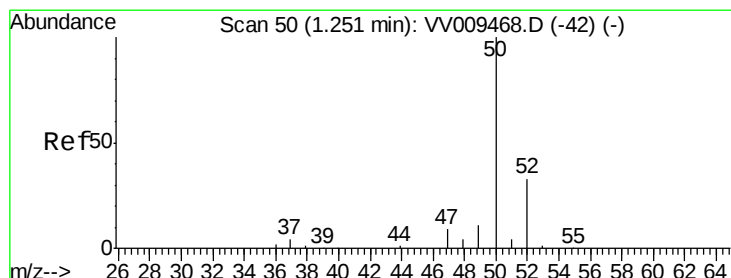
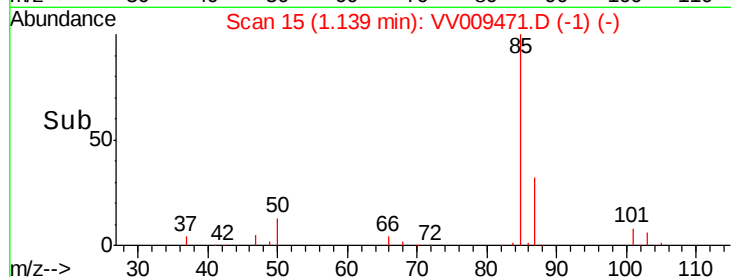
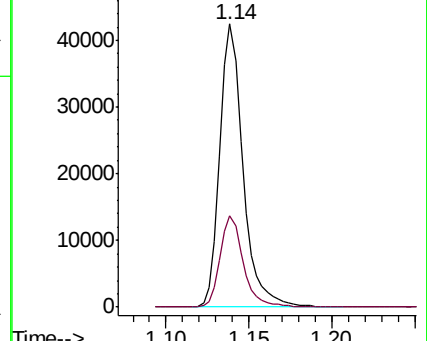
85 100

87 32.1 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 4.699 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009471.D

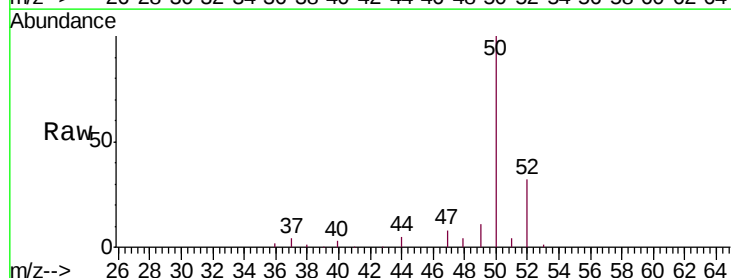
Acq: 04 Mar 2019 14:28

Tgt Ion: 50 Resp: 42546

Ion Ratio Lower Upper

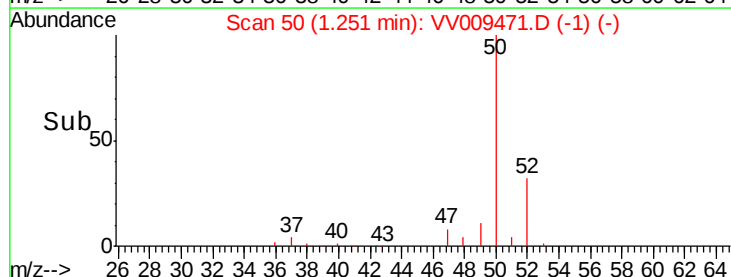
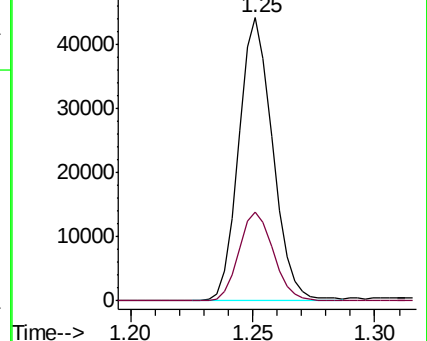
50 100

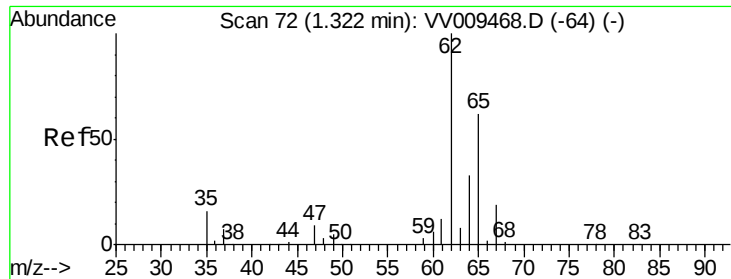
52 31.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.625 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampled :

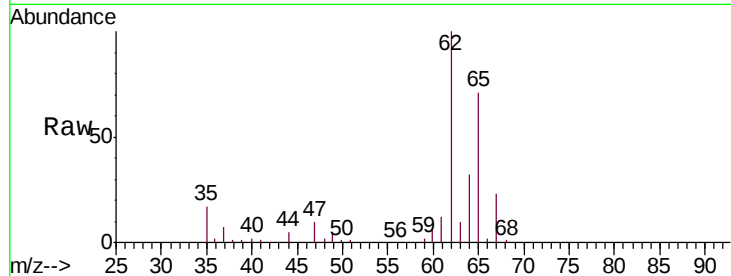
VICV67

Tgt Ion: 62 Resp: 46270

Ion Ratio Lower Upper

62 100

64 32.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009468.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV009468.D (-64) (-)

1.32

40000

30000

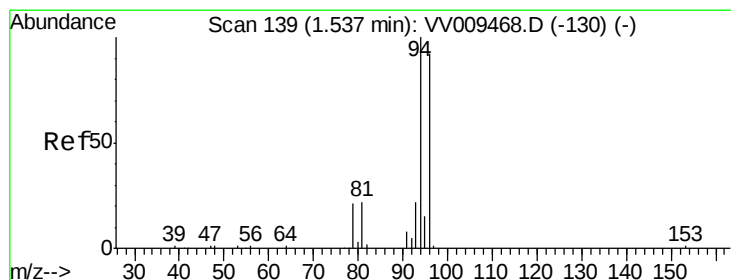
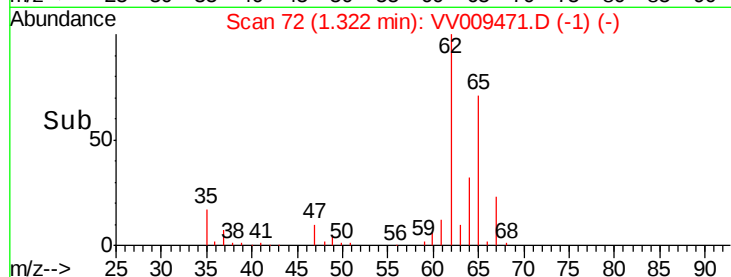
20000

10000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 4.726 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009471.D

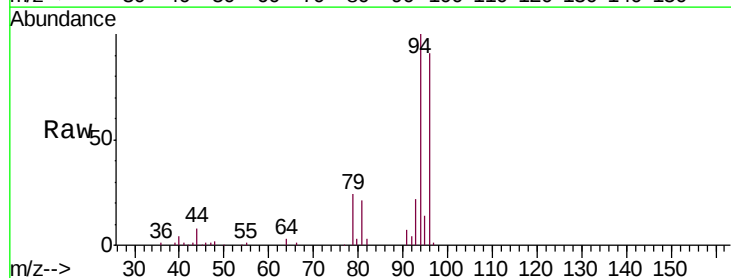
Acq: 04 Mar 2019 14:28

Tgt Ion: 94 Resp: 30397

Ion Ratio Lower Upper

94 100

96 90.8 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009468.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009468.D (-130) (-)

1.54

30000

25000

20000

15000

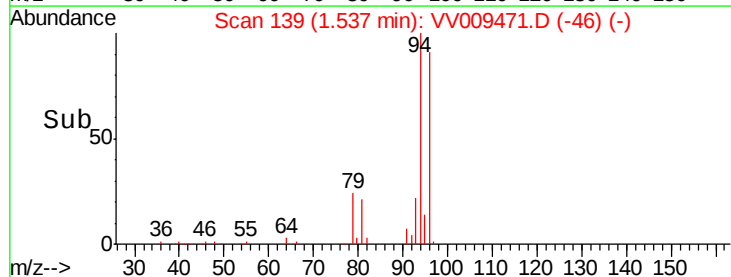
10000

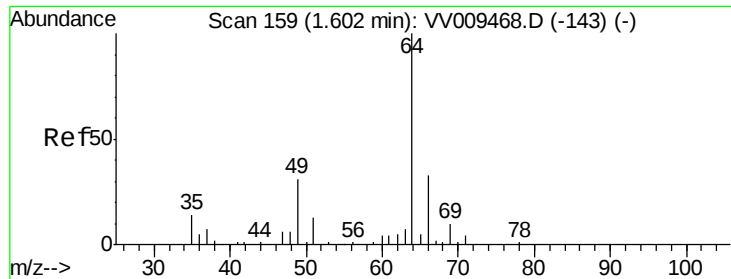
5000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 4.777 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

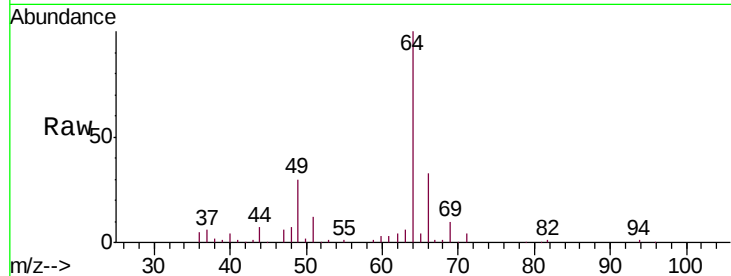
VICV67

Tgt Ion: 64 Resp: 32139

Ion Ratio Lower Upper

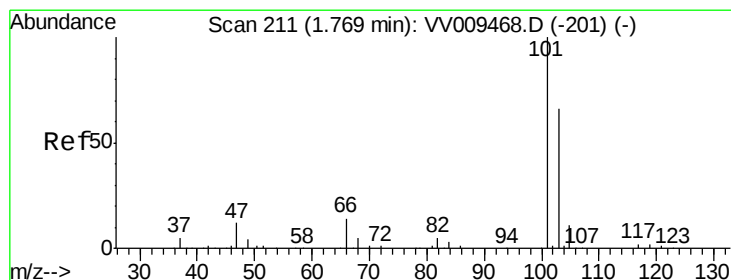
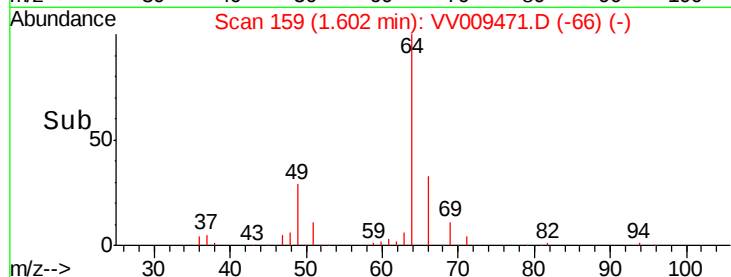
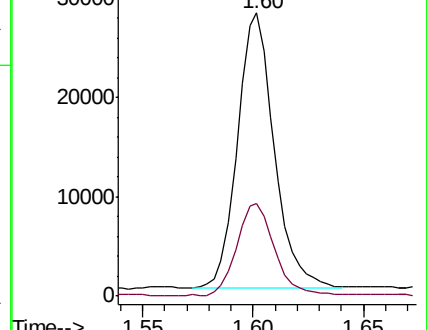
64 100

66 32.8 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009468.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV009468.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 4.586 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009471.D

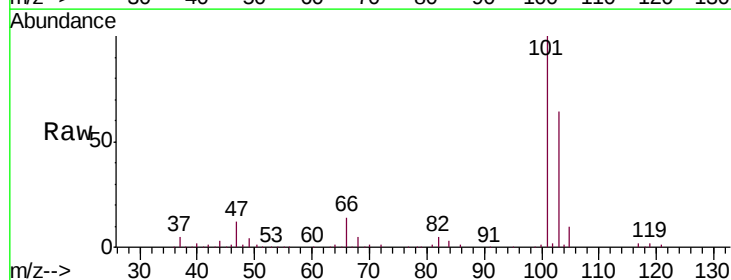
Acq: 04 Mar 2019 14:28

Tgt Ion: 101 Resp: 99480

Ion Ratio Lower Upper

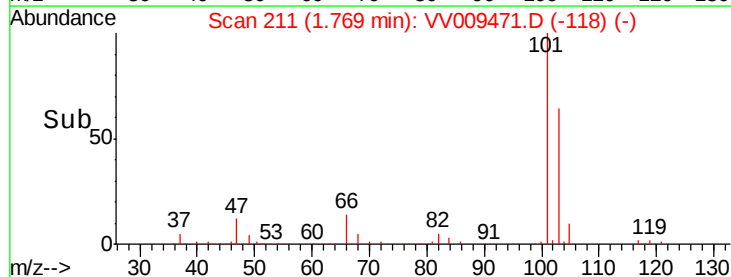
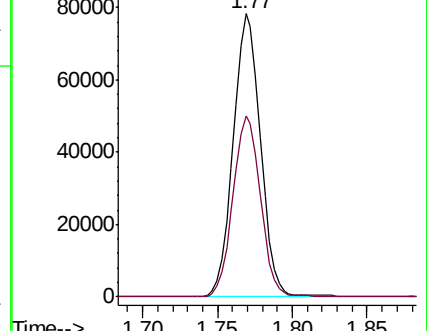
101 100

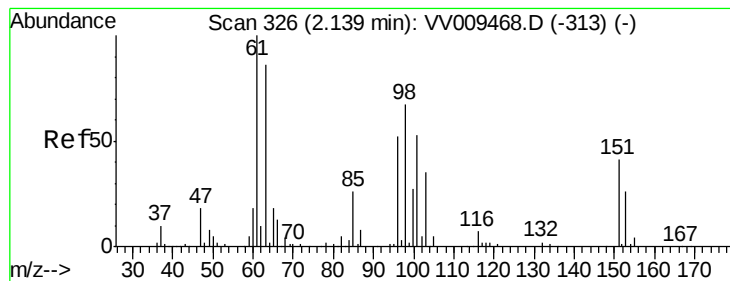
103 64.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009468.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009468.D (-201) (-)





#10

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

Concen: 4.445 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

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ClientSampleId :

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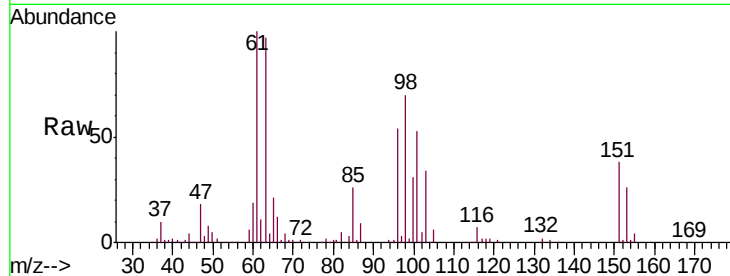
Tgt Ion:101 Resp: 48566

Ion Ratio Lower Upper

101 100

85 48.8 39.2 58.8

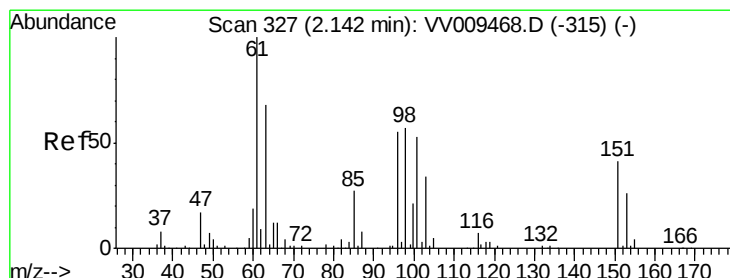
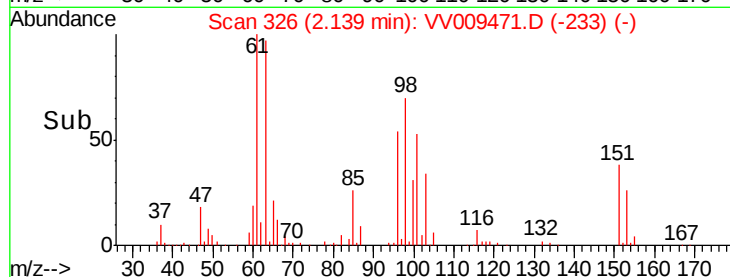
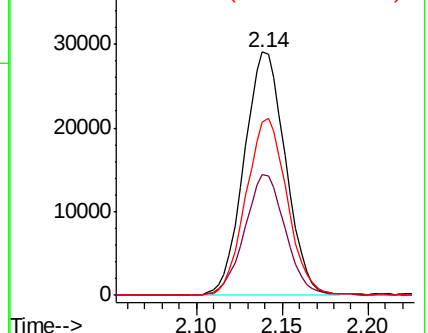
151 72.6 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009471.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009471.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009471.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 4.640 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

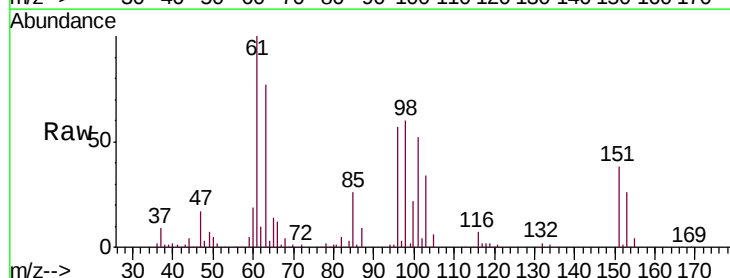
Tgt Ion: 96 Resp: 43937

Ion Ratio Lower Upper

96 100

61 176.7 127.1 236.0

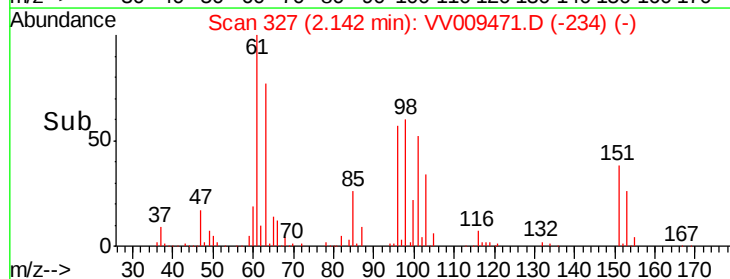
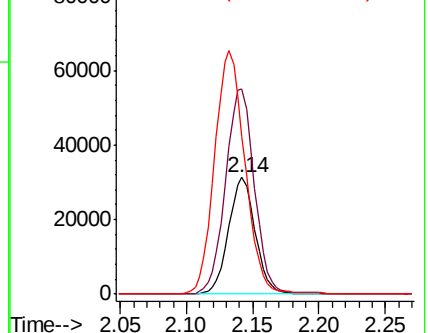
63 135.6 88.8 164.8

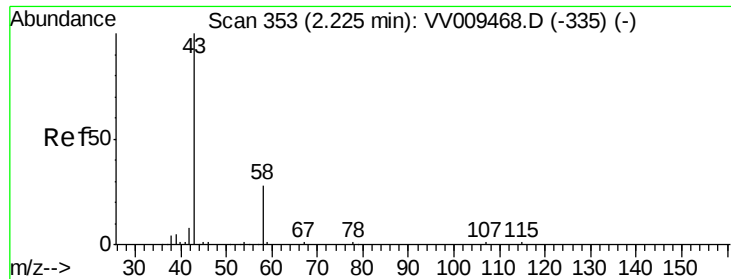


Abundance Ion 96.00 (95.70 to 96.70): VV009471.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009471.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009471.D (-234) (-)

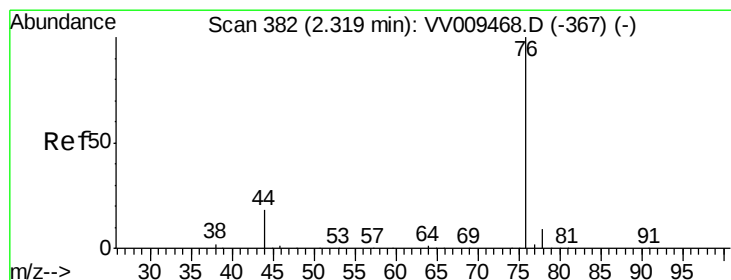
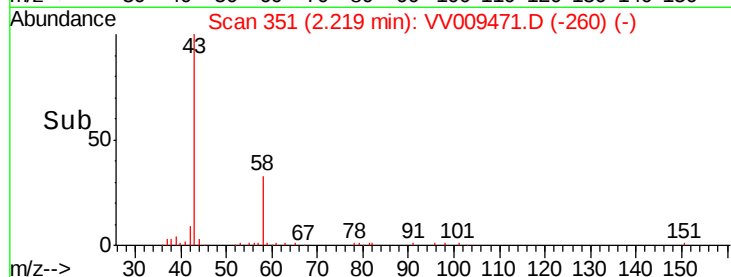
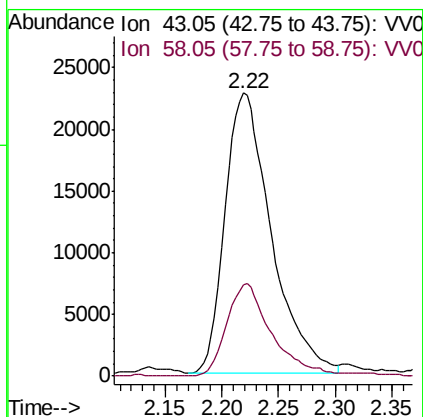
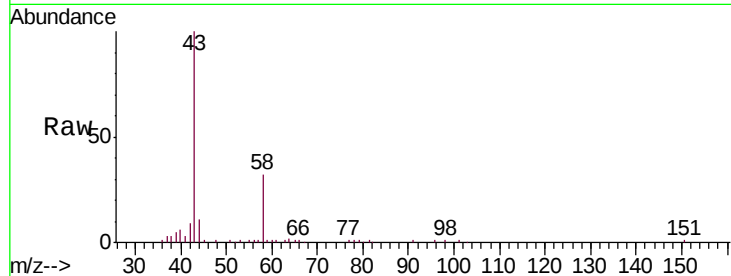




#13
Acetone
Concen: 47.889 ug/L
RT: 2.22 min Scan# 351
Delta R.T. -0.01 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

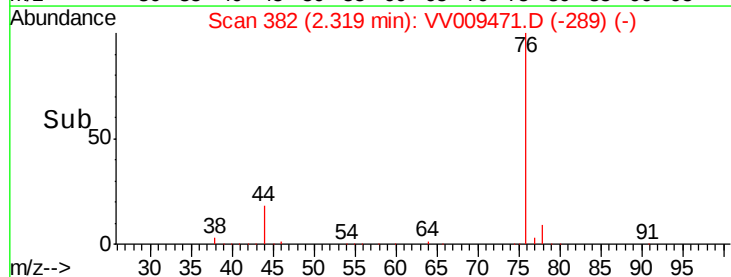
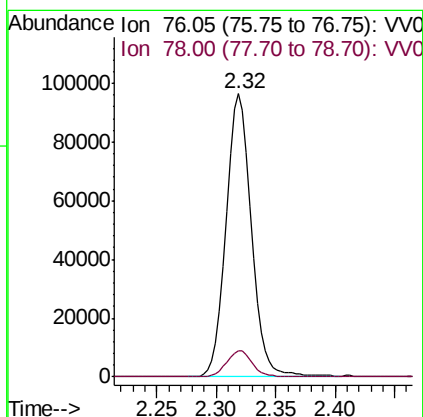
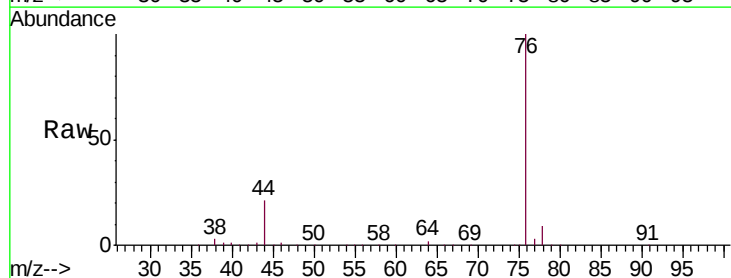
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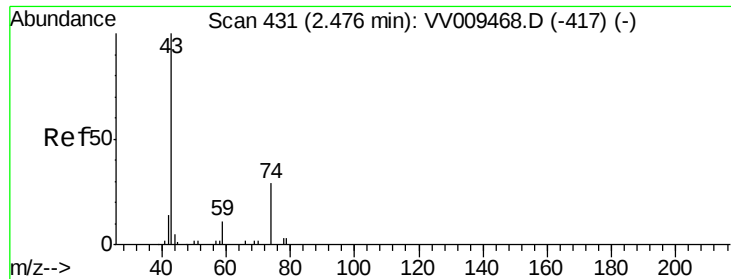
Tgt Ion: 43 Resp: 64973
Ion Ratio Lower Upper
43 100
58 31.9 0.0 23.0#



#14
Carbon disulfide
Concen: 4.620 ug/L
RT: 2.32 min Scan# 382
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

Tgt Ion: 76 Resp: 142587
Ion Ratio Lower Upper
76 100
78 9.3 7.7 11.5

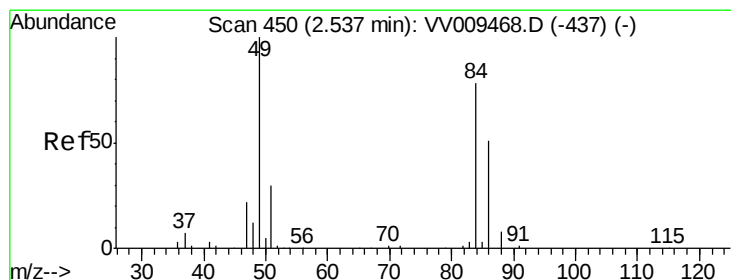
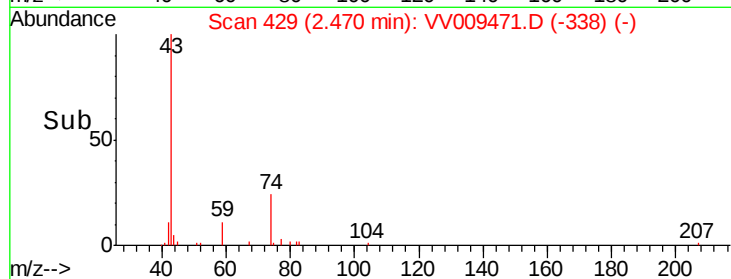
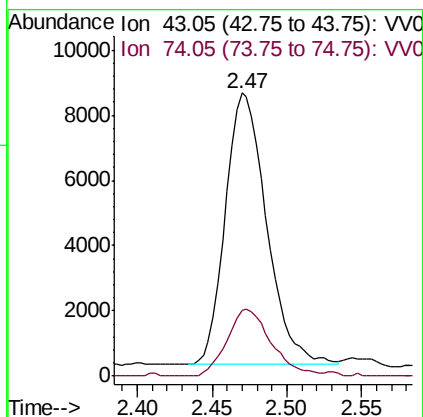
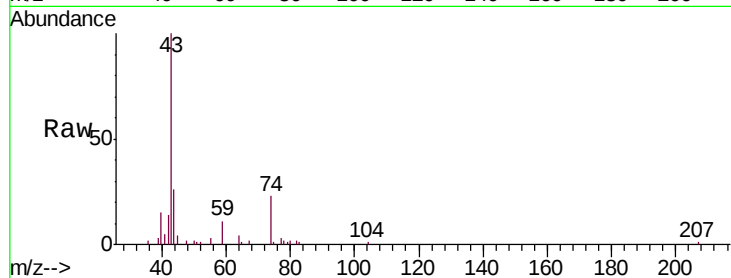




#15
Methyl Acetate
Concen: 4.272 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.01 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

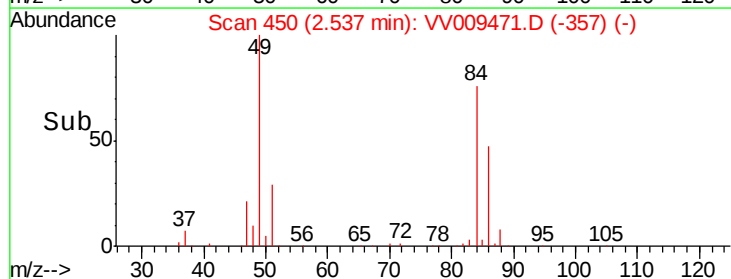
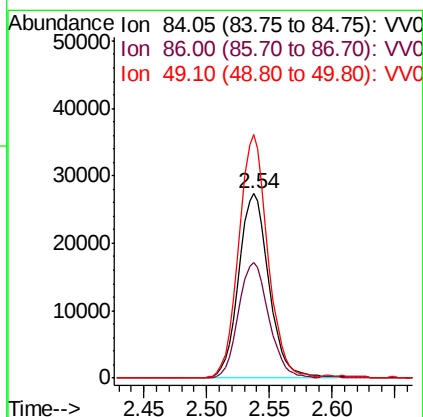
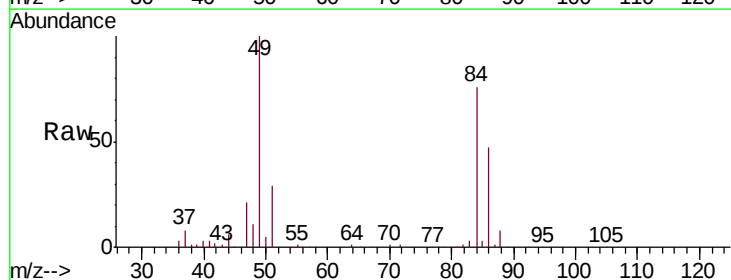
Instrument :
MSVOA_V
ClientSampleId :
VICV67

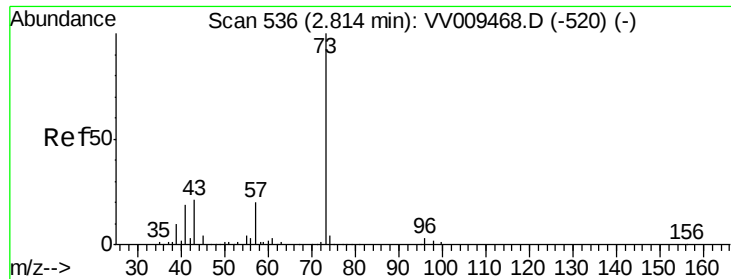
Tgt Ion: 43 Resp: 15852
Ion Ratio Lower Upper
43 100
74 26.8 21.8 32.6



#16
Methylene chloride
Concen: 4.174 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

Tgt Ion: 84 Resp: 46066
Ion Ratio Lower Upper
84 100
86 62.7 46.1 85.5
49 132.0 89.7 166.5





#17

Methyl tert-butyl Ether

Concen: 4.719 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VICV67

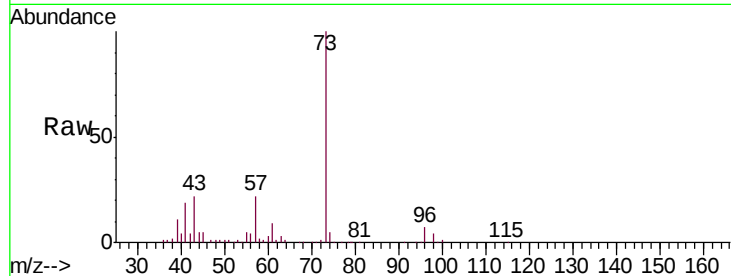
Tgt Ion: 73 Resp: 112756

Ion Ratio Lower Upper

73 100

43 22.2 17.2 25.8

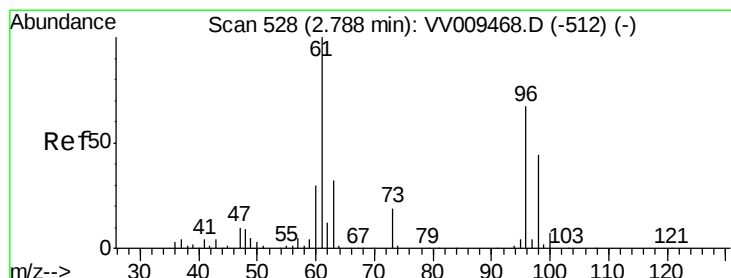
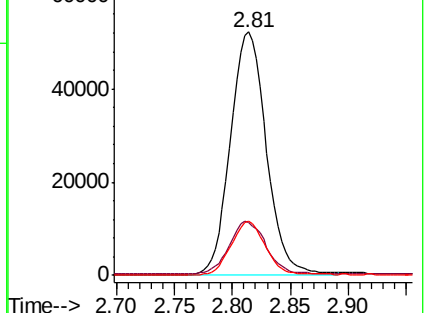
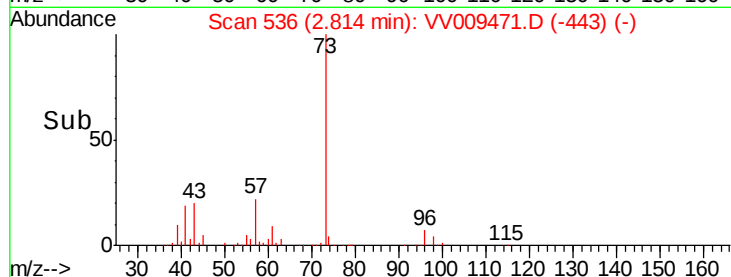
57 20.5 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.655 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

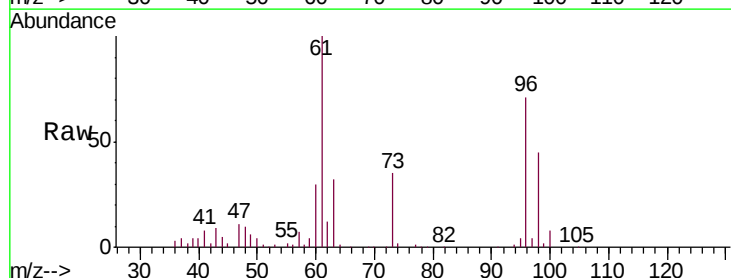
Tgt Ion: 96 Resp: 48245

Ion Ratio Lower Upper

96 100

61 141.1 103.9 192.9

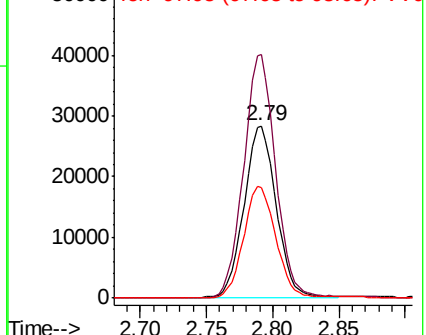
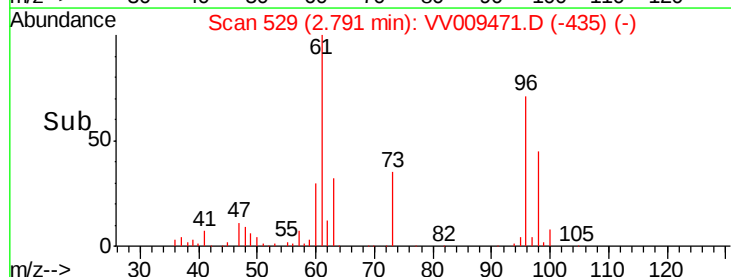
98 63.7 46.0 85.4

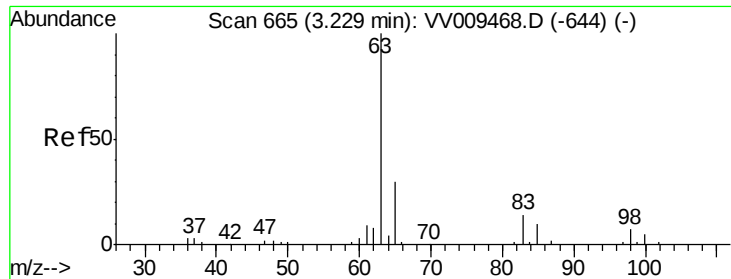


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

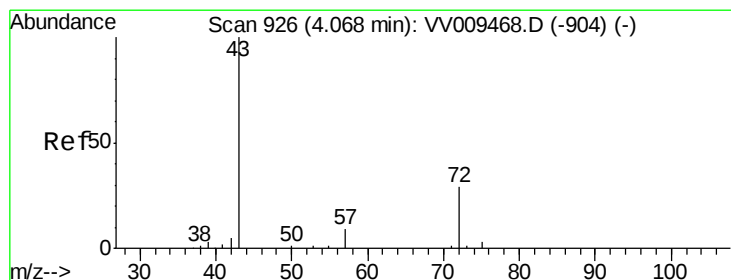
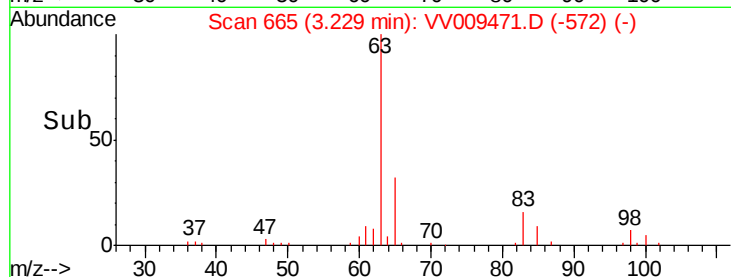
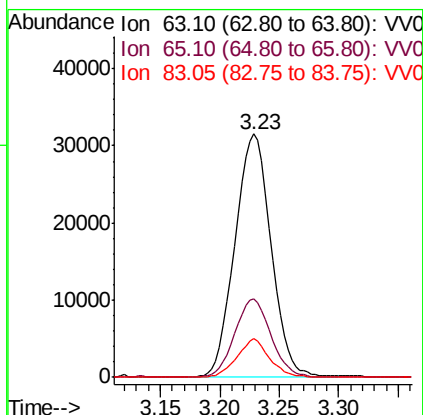
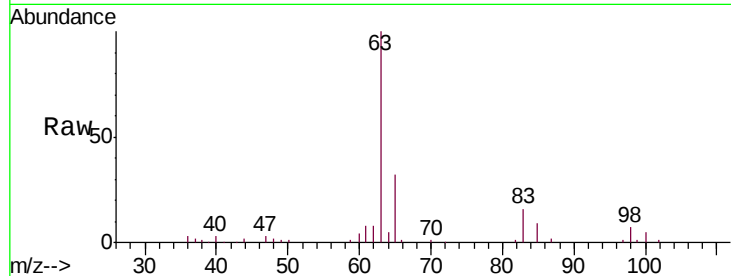




#19
 1,1-Dichloroethane
 Concen: 4.471 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

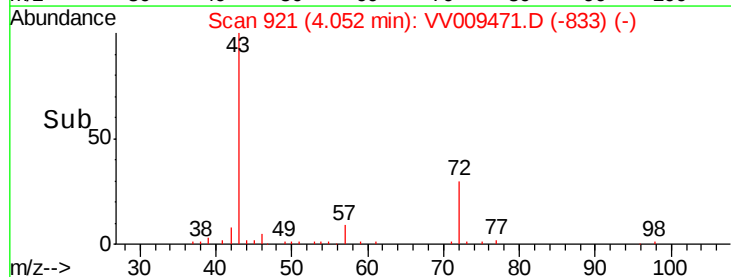
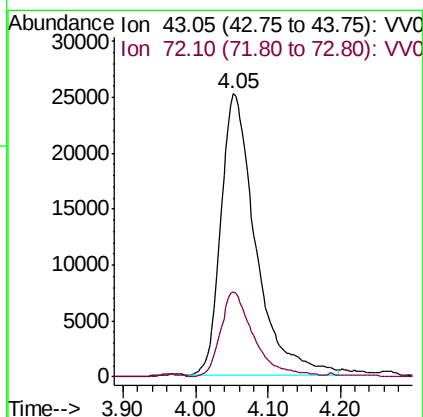
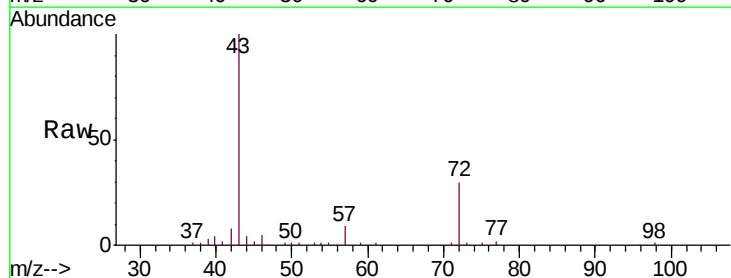
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

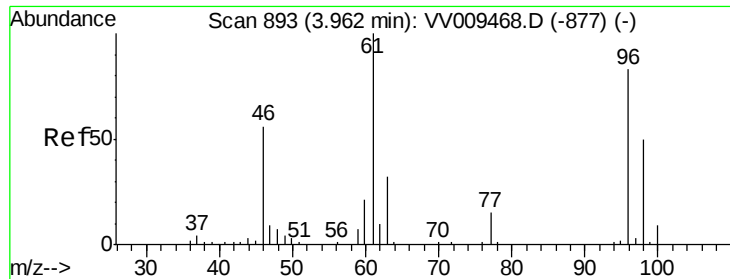
Tgt Ion: 63 Resp: 66568
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.3 39.5
 83 15.8 9.9 18.5



#21
 2-Butanone
 Concen: 49.750 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 43 Resp: 83699
 Ion Ratio Lower Upper
 43 100
 72 29.2 14.8 44.4

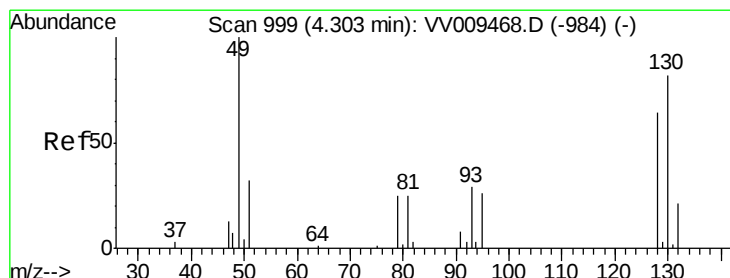
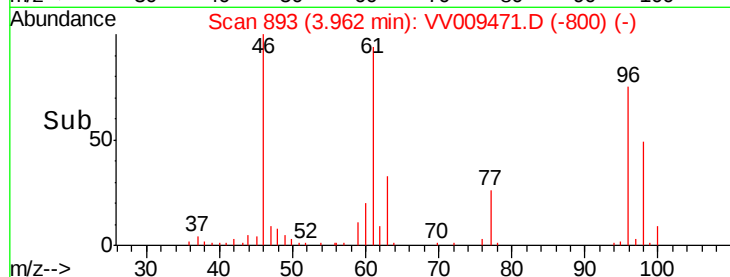
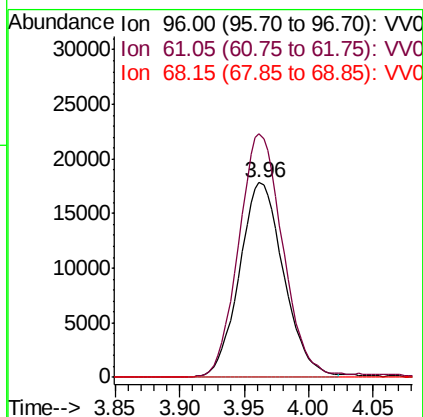
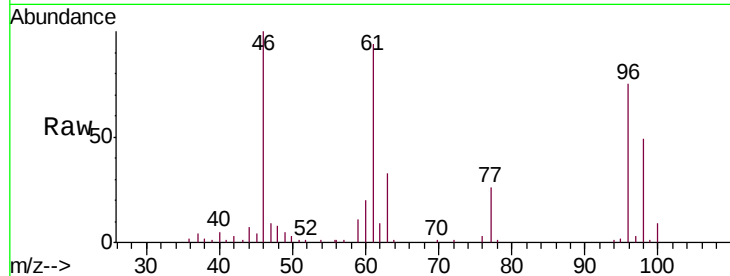




#22
 cis-1,2-Dichloroethene
 Concen: 4.620 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

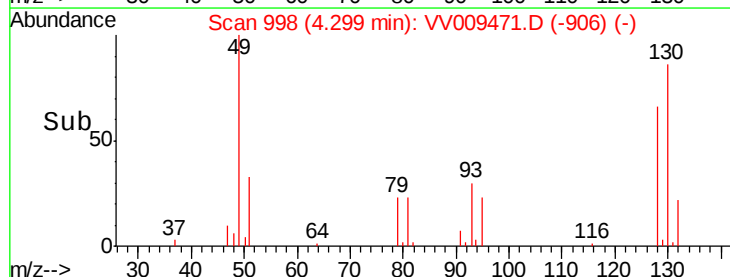
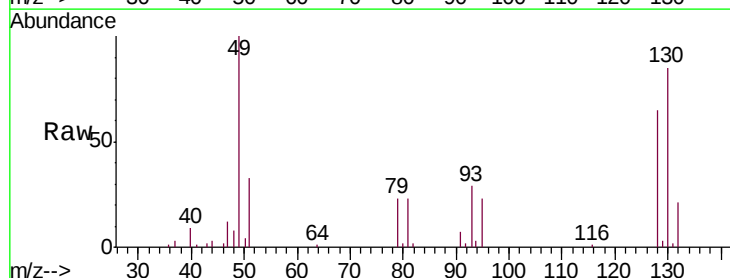
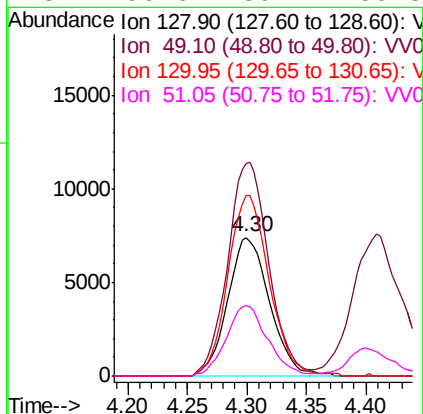
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

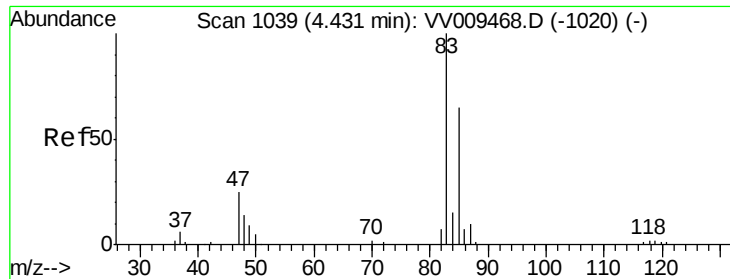
Tgt Ion: 96 Resp: 42670
 Ion Ratio Lower Upper
 96 100
 61 125.2 84.8 157.4
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 4.954 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 128 Resp: 18064
 Ion Ratio Lower Upper
 128 100
 49 153.6 110.4 205.0
 130 130.1 89.1 165.5
 51 50.6 39.7 59.5

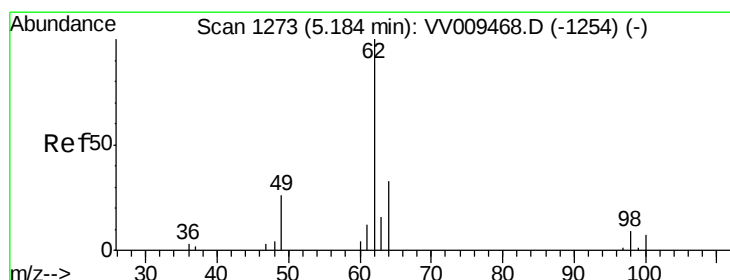
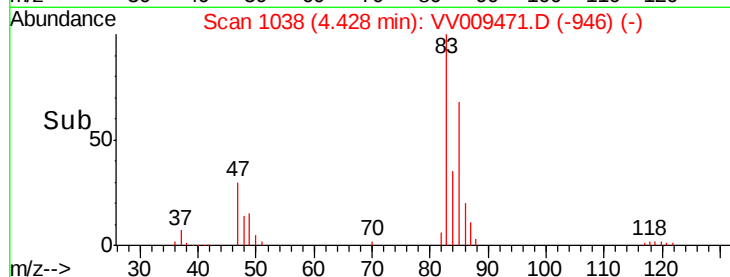
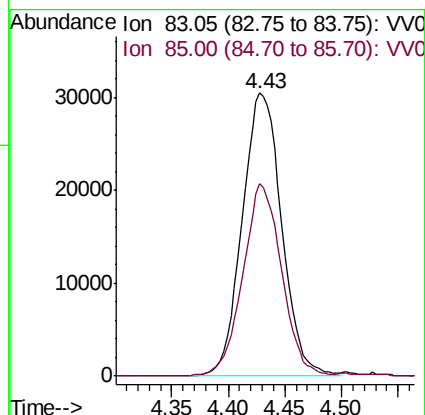
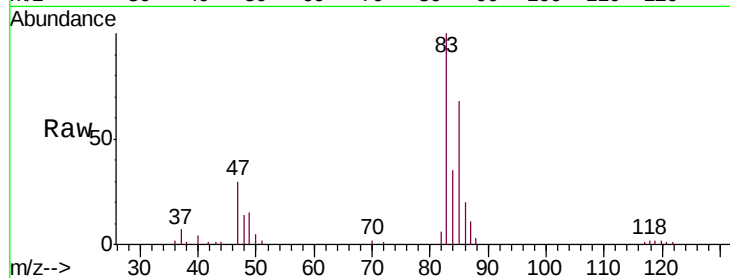




#25
Chloroform
Concen: 4.711 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

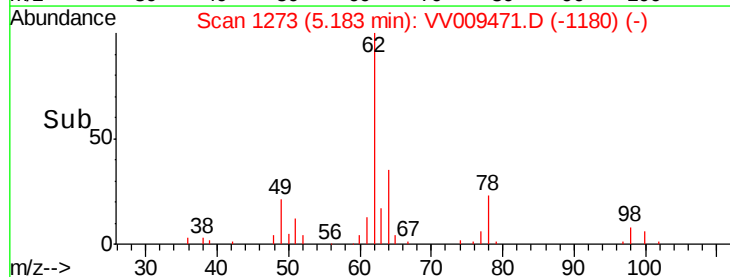
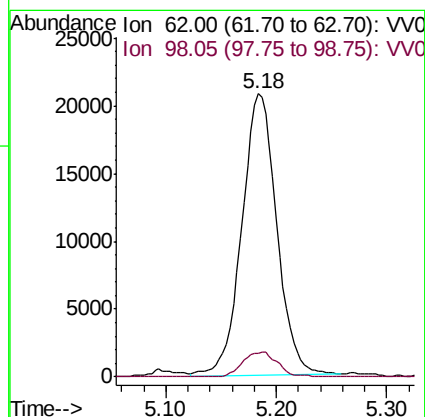
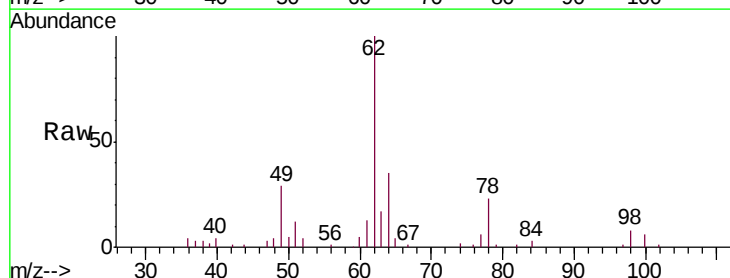
Instrument :
MSVOA_V
ClientSampleId :
VICV67

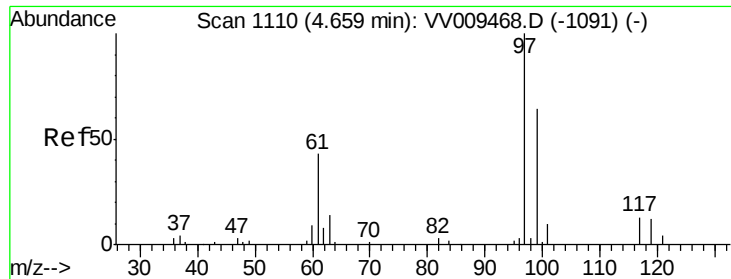
Tgt Ion: 83 Resp: 74182
Ion Ratio Lower Upper
83 100
85 67.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.808 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

Tgt Ion: 62 Resp: 45694
Ion Ratio Lower Upper
62 100
98 8.5 7.4 11.0

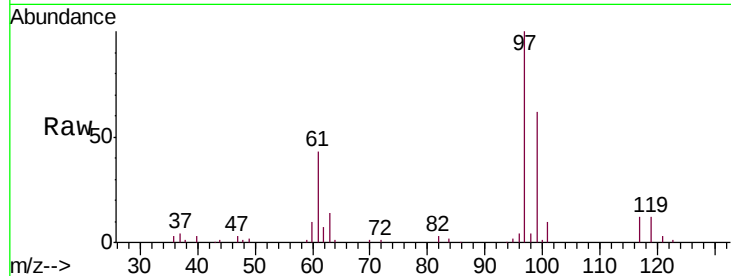




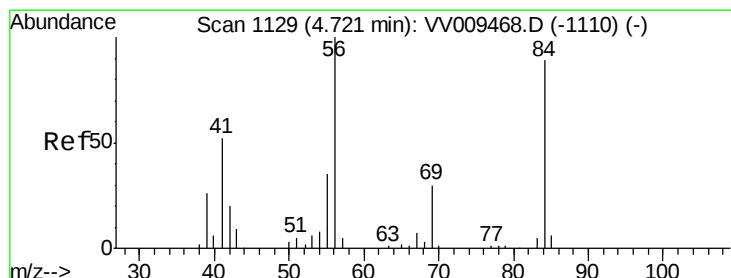
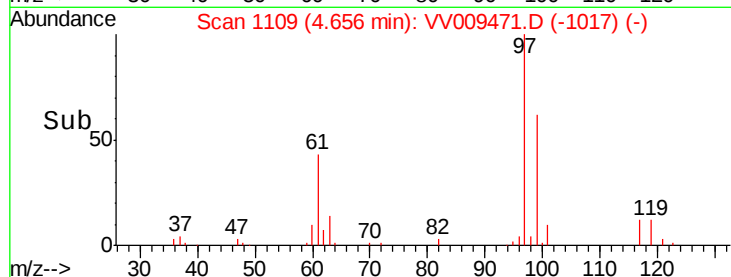
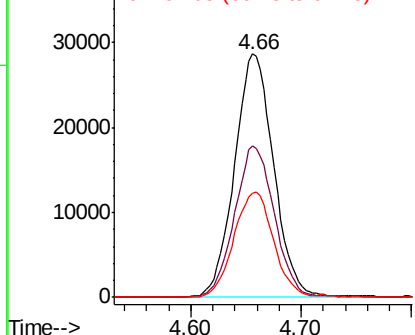
#29
 1,1,1-Trichloroethane
 Concen: 4.772 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion: 97 Resp: 70438
 Ion Ratio Lower Upper
 97 100
 99 63.2 50.8 76.2
 61 43.6 35.0 52.6

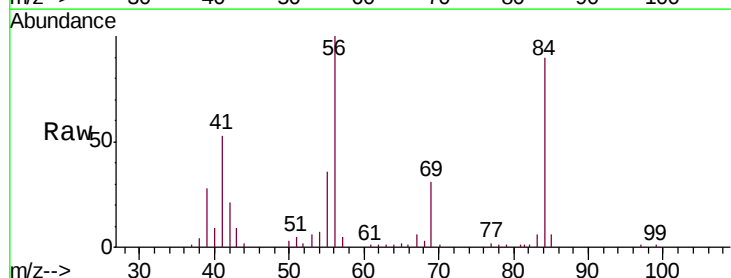


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

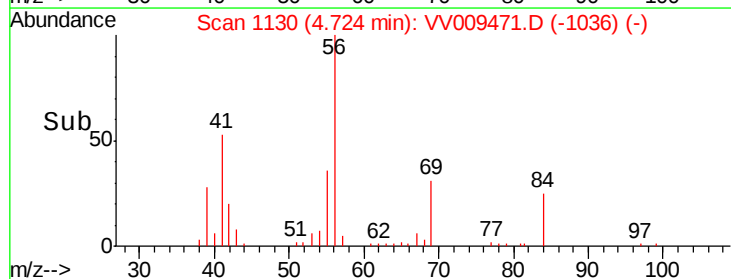
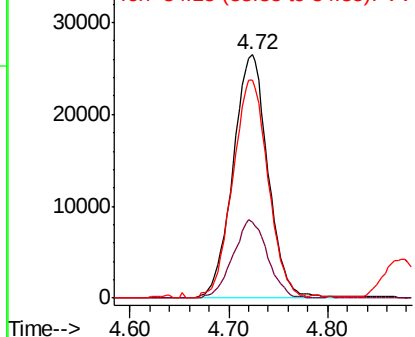


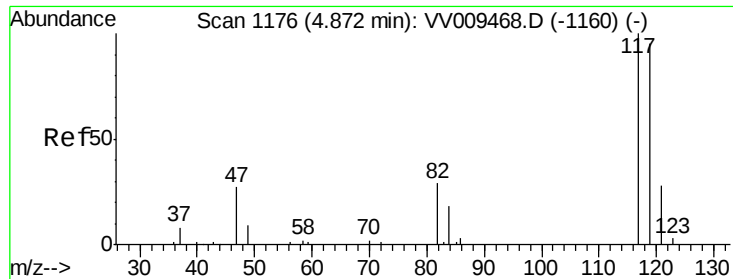
#30
 Cyclohexane
 Concen: 4.636 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 56 Resp: 65185
 Ion Ratio Lower Upper
 56 100
 69 31.7 25.6 38.4
 84 90.7 72.4 108.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.678 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

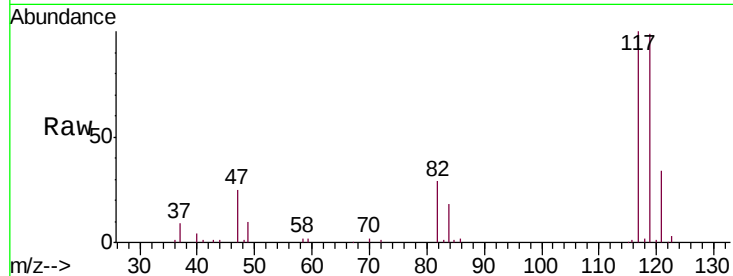
VICV67

Tgt Ion:117 Resp: 56204

Ion Ratio Lower Upper

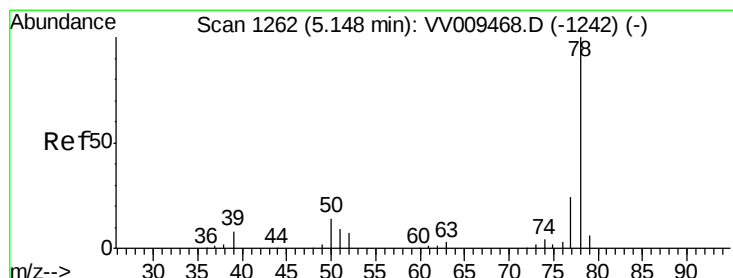
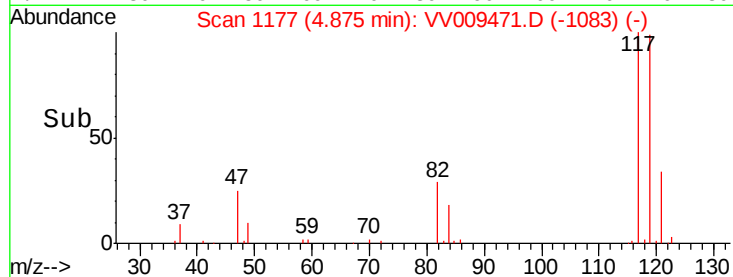
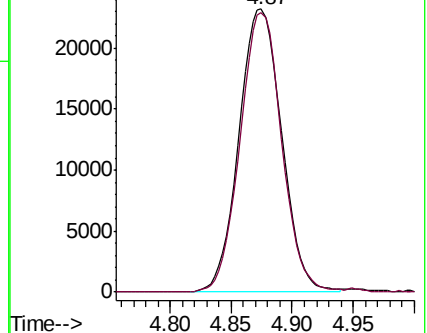
117 100

119 96.0 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.714 ug/L

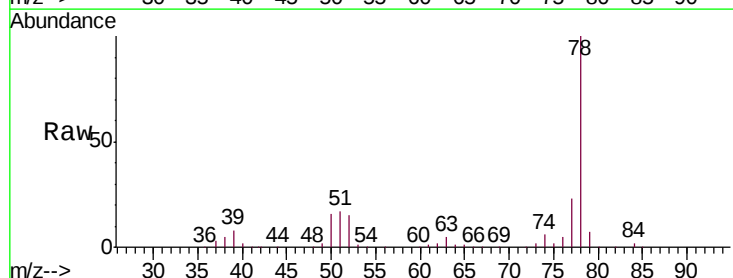
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

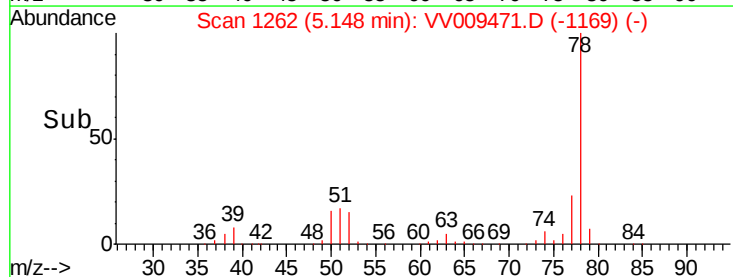
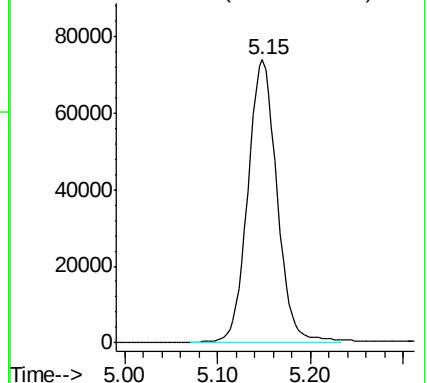
Lab File: VV009471.D

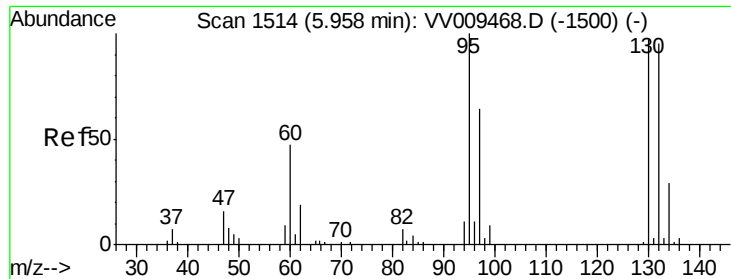
Acq: 04 Mar 2019 14:28

Tgt Ion: 78 Resp: 162399



Abundance Ion 78.10 (77.80 to 78.80): VV0

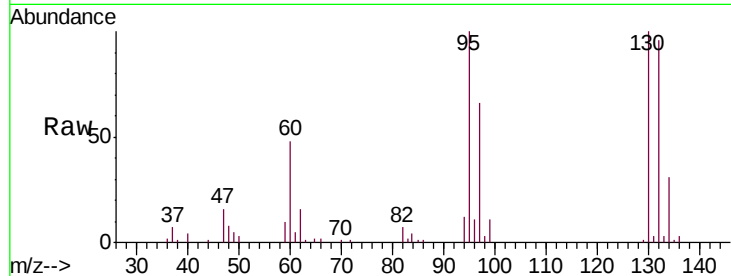




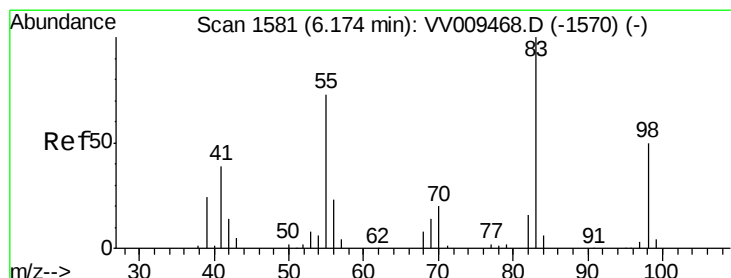
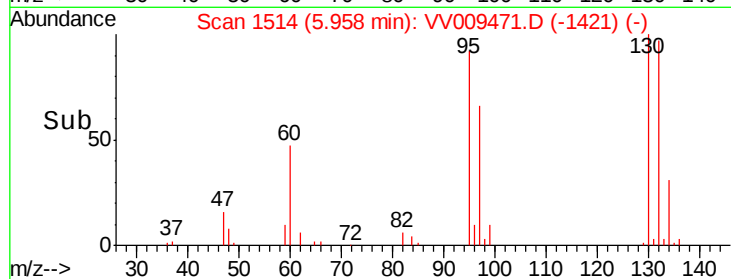
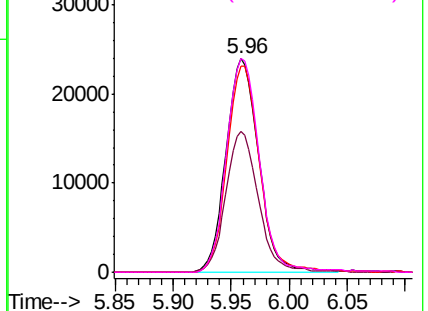
#34
 Trichloroethene
 Concen: 4.810 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion: 95 Resp: 46885
 Ion Ratio Lower Upper
 95 100
 97 65.9 44.4 82.5
 132 96.5 66.4 123.4
 130 99.9 68.1 126.5

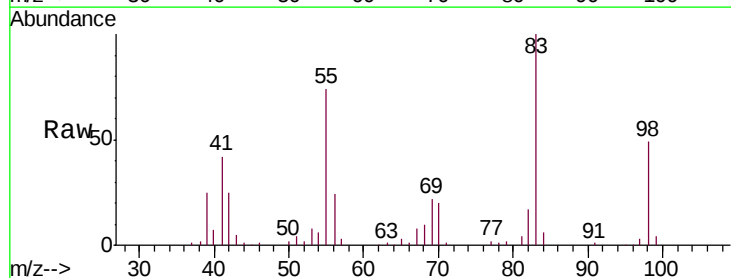


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

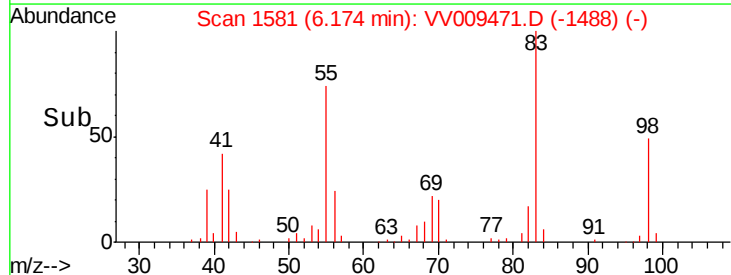
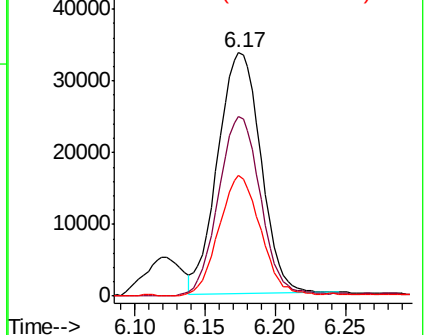


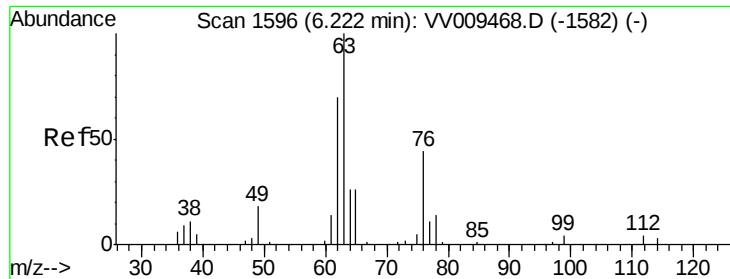
#35
 Methylcyclohexane
 Concen: 4.628 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 83 Resp: 72029
 Ion Ratio Lower Upper
 83 100
 55 73.2 57.4 86.2
 98 48.5 38.9 58.3



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

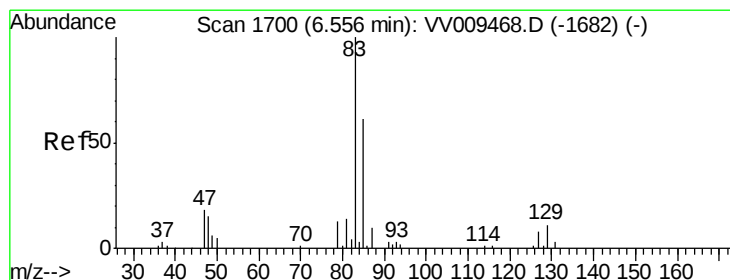
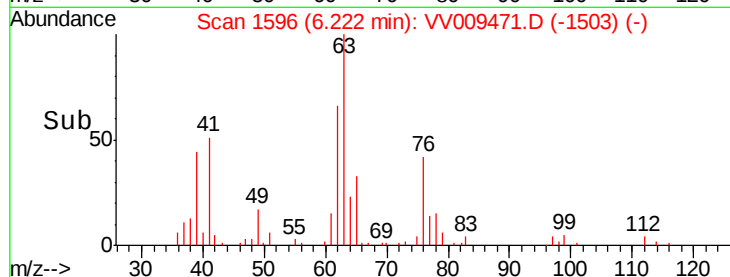
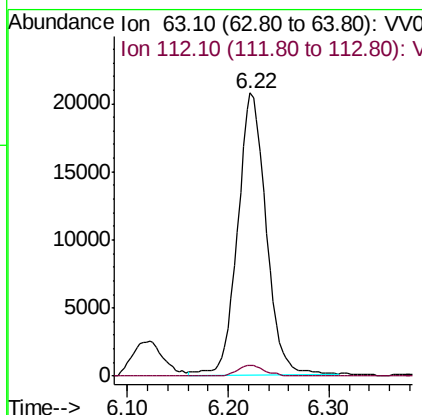
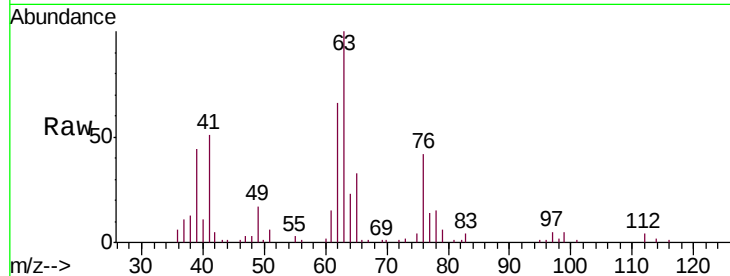




#37
 1,2-Dichloropropane
 Concen: 4.805 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

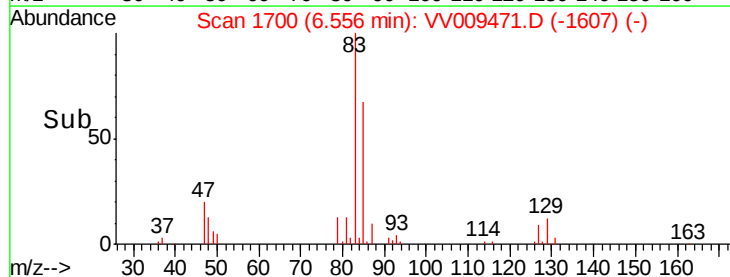
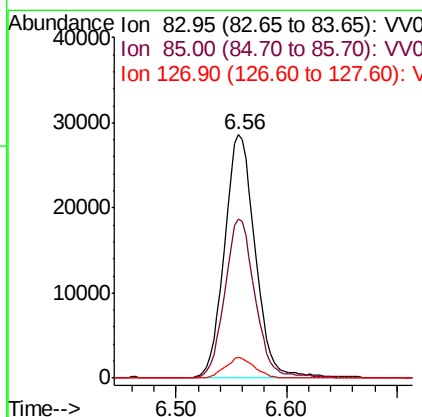
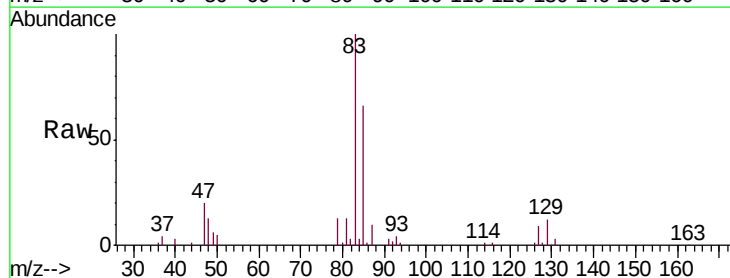
Instrument :
 MSVOA_V
 ClientSampled :
 VICV67

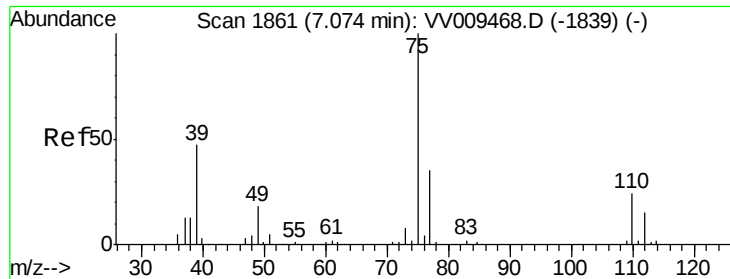
Tgt Ion: 63 Resp: 40309
 Ion Ratio Lower Upper
 63 100
 112 3.5 3.3 4.9



#38
 Bromodichloromethane
 Concen: 4.695 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 83 Resp: 55295
 Ion Ratio Lower Upper
 83 100
 85 65.6 42.8 79.4
 127 8.5 6.2 9.4

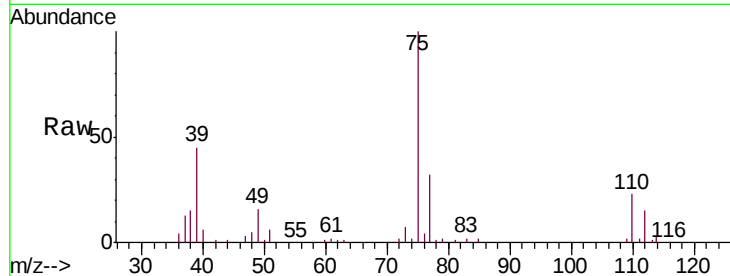




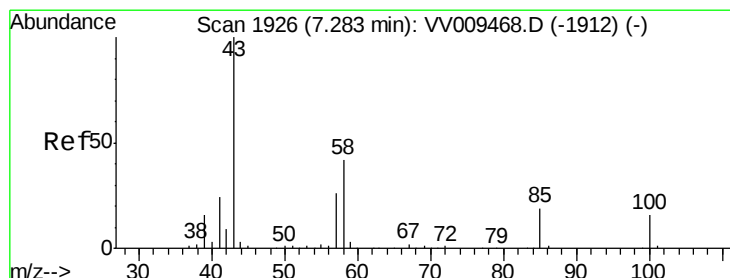
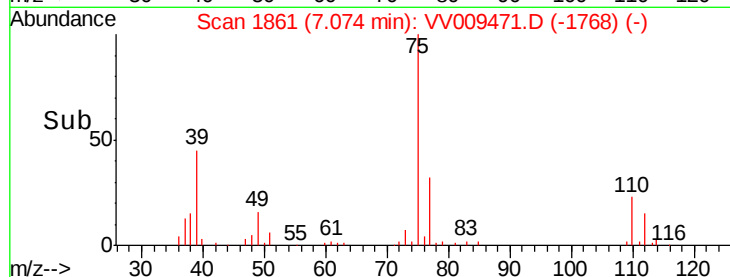
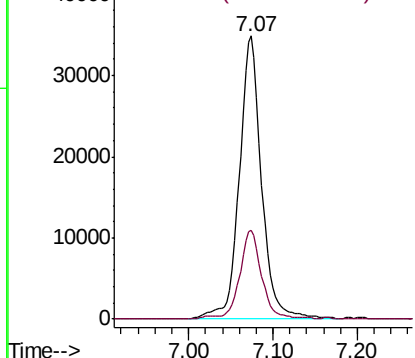
#39
 cis-1,3-Dichloropropene
 Concen: 4.896 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion: 75 Resp: 64421
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.1 44.8

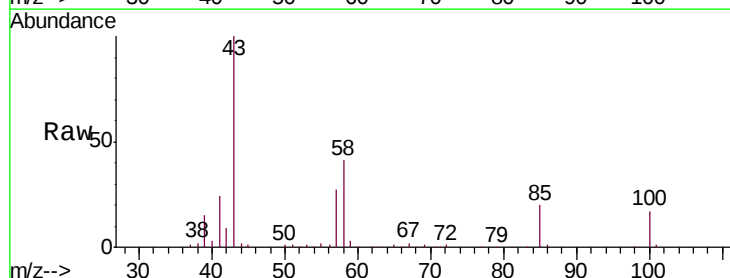


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

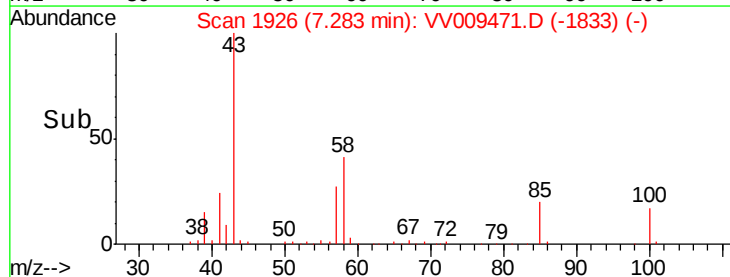
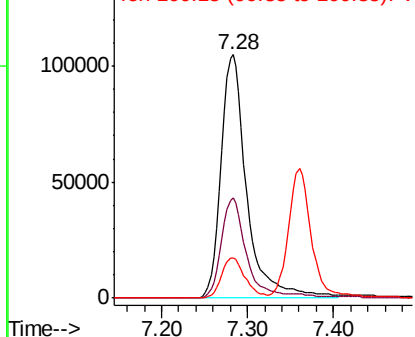


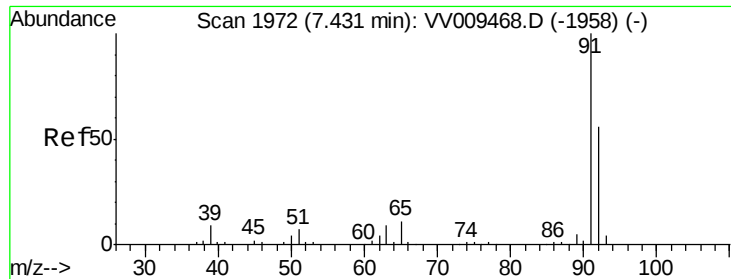
#40
 4-Methyl-2-pentanone
 Concen: 47.926 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 43 Resp: 218758
 Ion Ratio Lower Upper
 43 100
 58 41.0 32.3 48.5
 100 15.4 12.0 18.0



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





#42

Toluene

Concen: 4.720 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

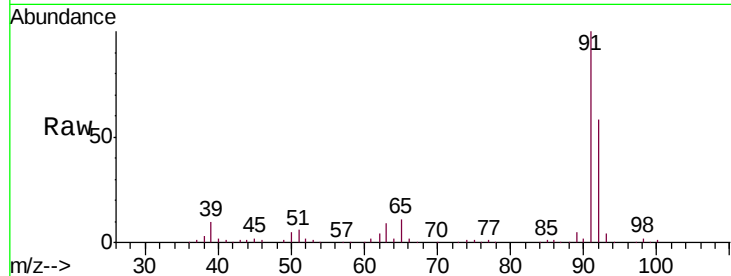
VICV67

Tgt Ion: 91 Resp: 186190

Ion Ratio Lower Upper

91 100

92 58.3 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009468.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009468.D (-1958) (-)

7.43

100000

80000

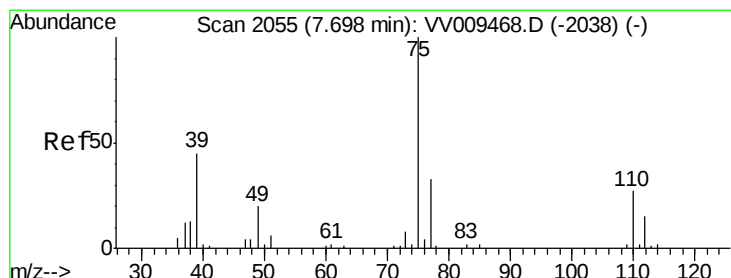
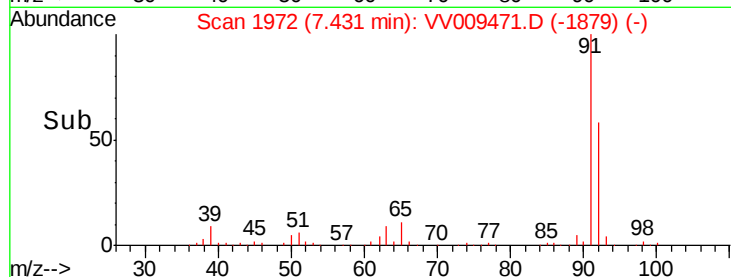
60000

40000

20000

0

Time--> 7.30 7.40 7.50 7.60



#44

trans-1,3-Dichloropropene

Concen: 4.824 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009471.D

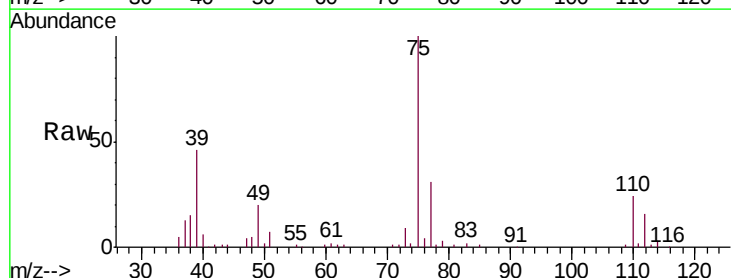
Acq: 04 Mar 2019 14:28

Tgt Ion: 75 Resp: 50301

Ion Ratio Lower Upper

75 100

77 31.4 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009468.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009468.D (-2038) (-)

7.69

30000

25000

20000

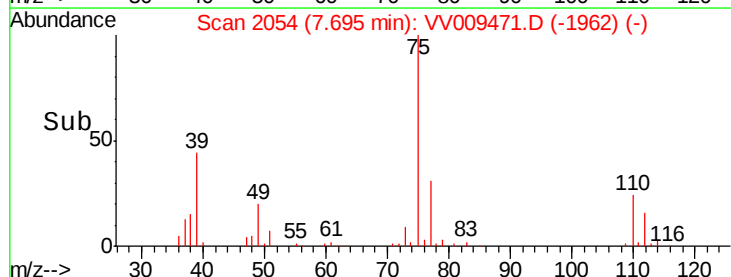
15000

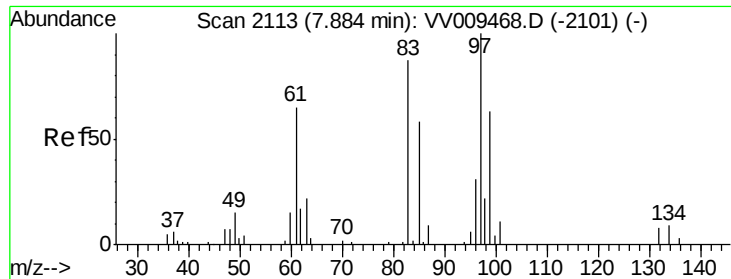
10000

5000

0

Time--> 7.60 7.70 7.80

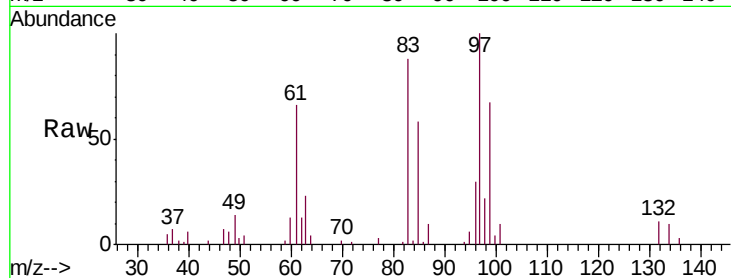




#45
 1,1,2-Trichloroethane
 Concen: 4.800 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion:	97	Resp:	28515
Ion	Ratio	Lower	Upper
97	100		
99	66.5	43.8	81.4
83	87.8	60.7	112.7
85	57.8	40.5	75.3



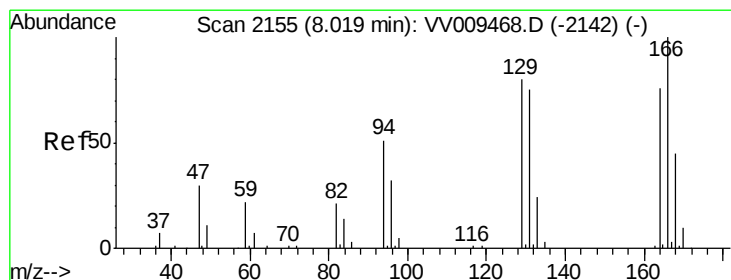
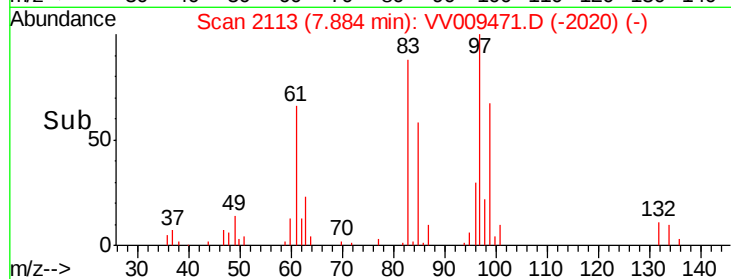
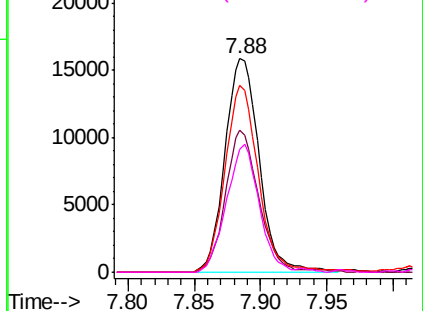
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

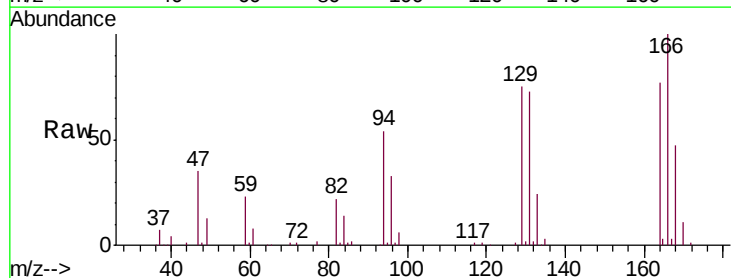
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.697 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion:	164	Resp:	35236
Ion	Ratio	Lower	Upper
164	100		
129	97.0	73.6	136.8
131	94.1	68.4	127.0
166	129.3	91.8	170.4



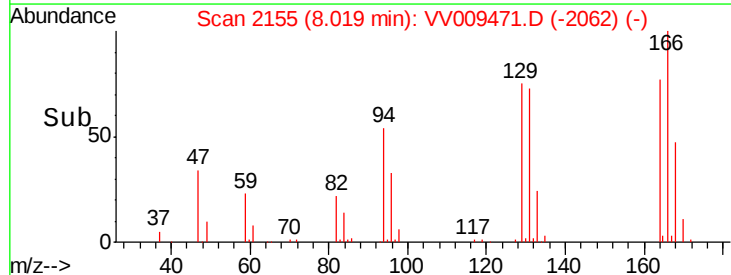
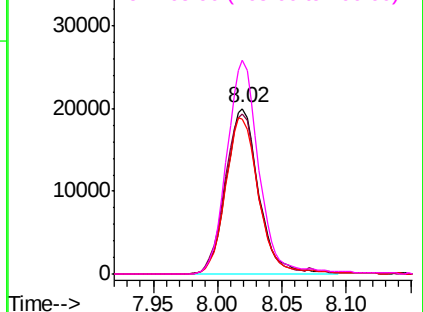
Abundance

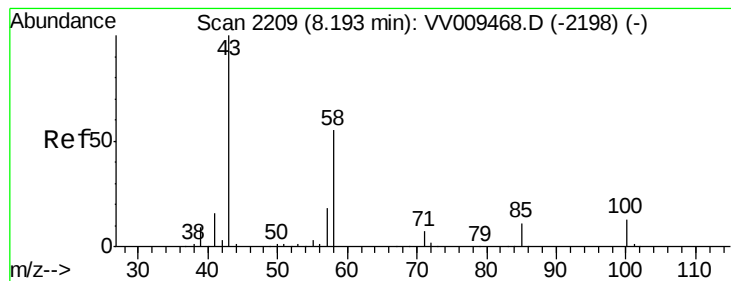
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





#48

2-Hexanone

Concen: 48.063 ug/L

RT: 8.19 min Scan# 2208

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VICV67

Tgt Ion: 43 Resp: 151489

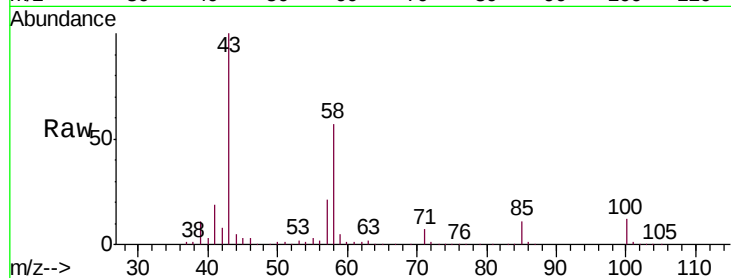
Ion Ratio Lower Upper

43 100

58 57.9 43.4 65.0

57 19.1 15.0 22.4

100 12.1 9.6 14.4

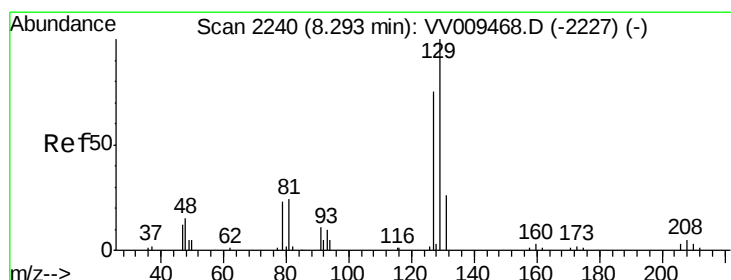
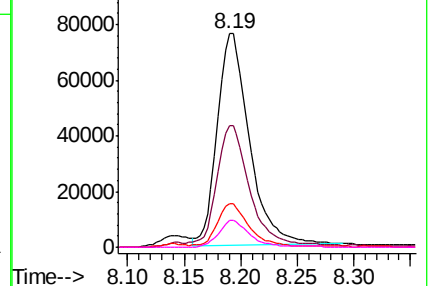
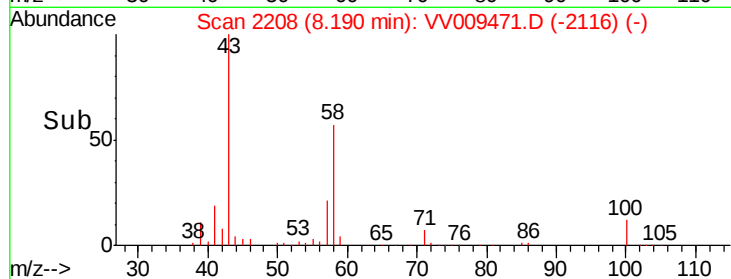


Abundance Ion 43.05 (42.75 to 43.75): VV009471.D (-2116) (-)

Ion 58.05 (57.75 to 58.75): VV009471.D (-2116) (-)

Ion 57.20 (56.90 to 57.90): VV009471.D (-2116) (-)

Ion 100.15 (99.85 to 100.85): VV009471.D (-2116) (-)



#49

Dibromochloromethane

Concen: 4.779 ug/L

RT: 8.29 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VV009471.D

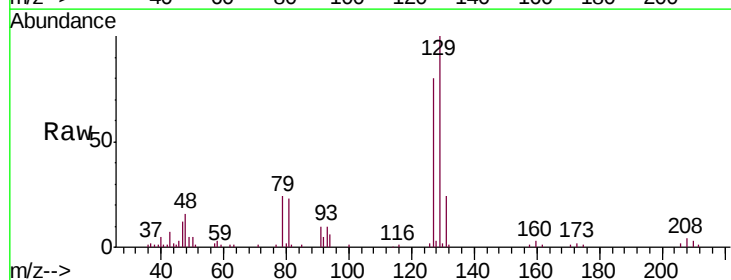
Acq: 04 Mar 2019 14:28

Tgt Ion: 129 Resp: 36662

Ion Ratio Lower Upper

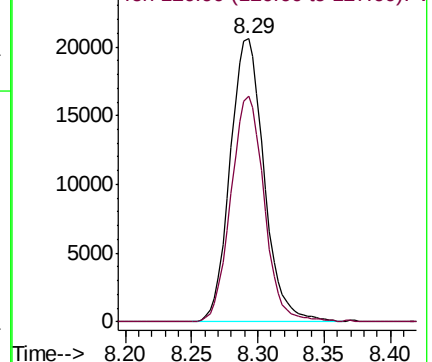
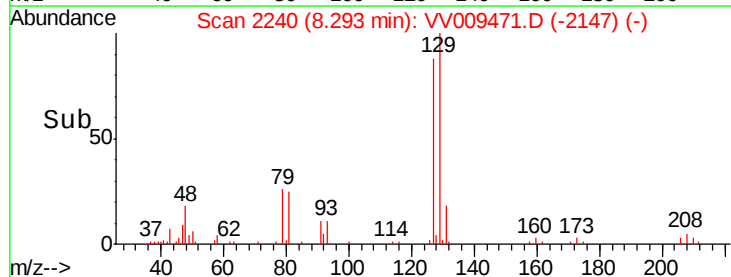
129 100

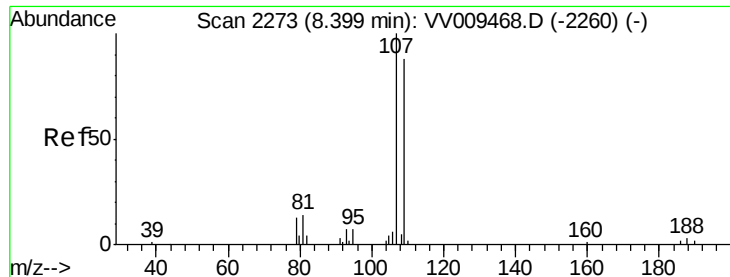
127 79.9 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009471.D (-2147) (-)

Ion 126.90 (126.60 to 127.60): VV009471.D (-2147) (-)

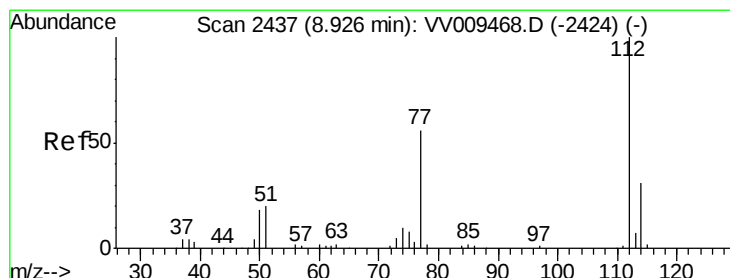
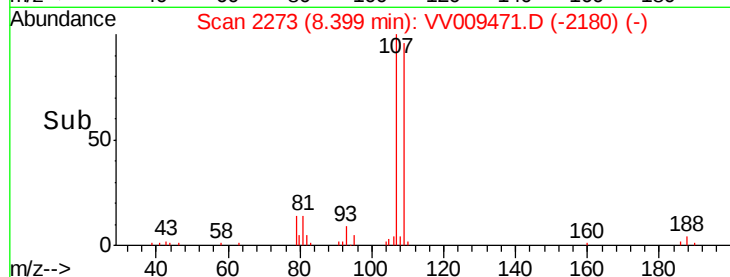
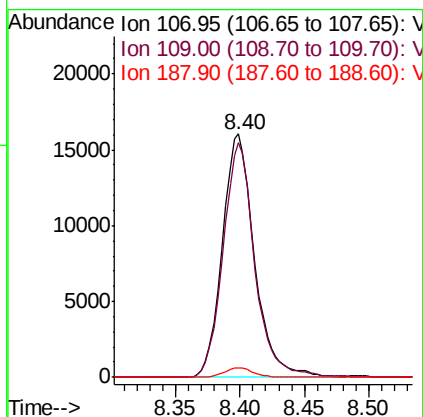
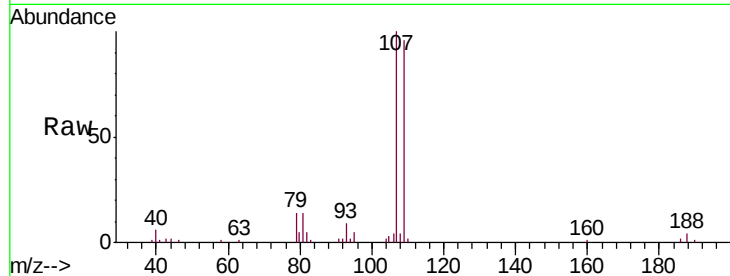




#50
1,2-Dibromoethane
Concen: 4.788 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

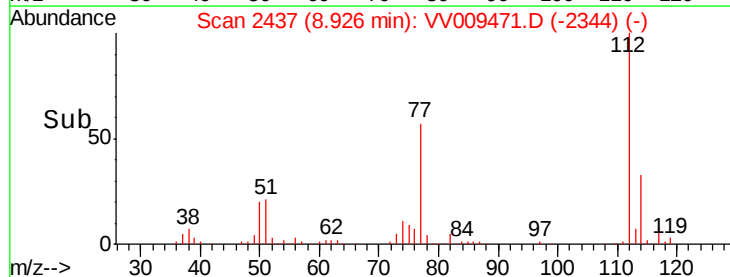
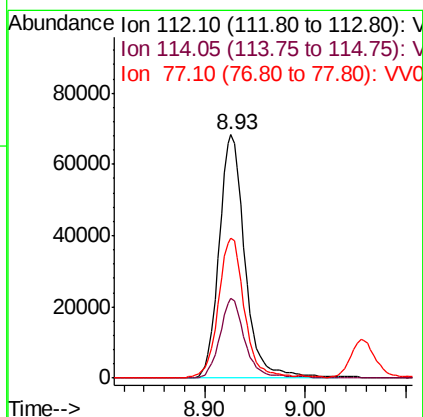
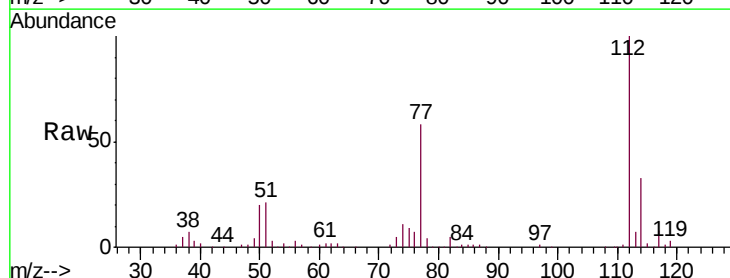
Instrument :
MSVOA_V
ClientSampleId :
VICV67

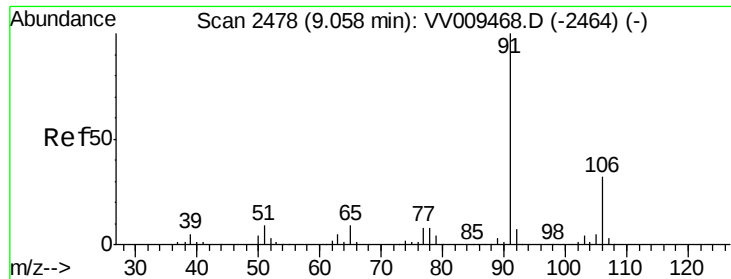
Tgt Ion:107 Resp: 27699
Ion Ratio Lower Upper
107 100
109 96.2 61.8 114.8
188 3.9 2.4 3.6#



#51
Chlorobenzene
Concen: 4.695 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009471.D
Acq: 04 Mar 2019 14:28

Tgt Ion:112 Resp: 122329
Ion Ratio Lower Upper
112 100
114 32.6 21.8 40.4
77 57.5 45.0 67.4





#52

Ethylbenzene

Concen: 4.716 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

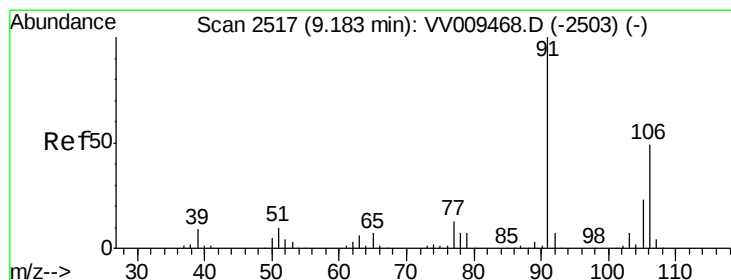
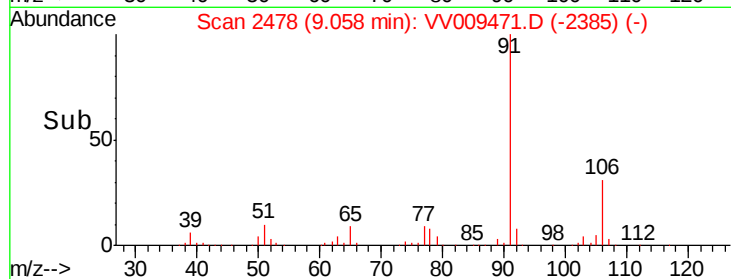
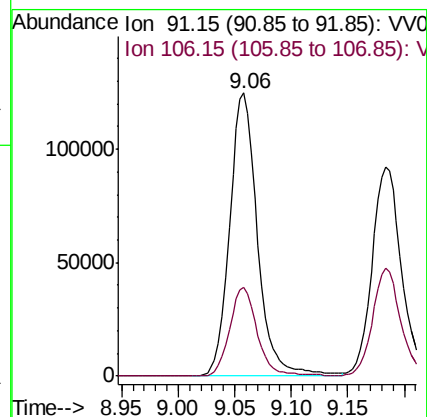
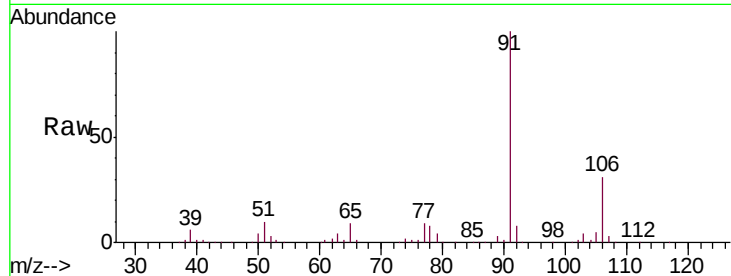
VICV67

Tgt Ion: 91 Resp: 213679

Ion Ratio Lower Upper

91 100

106 31.2 22.7 42.1



#53

m,p-xylene

Concen: 4.886 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009471.D

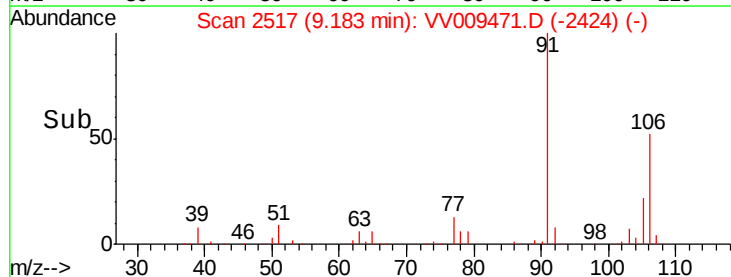
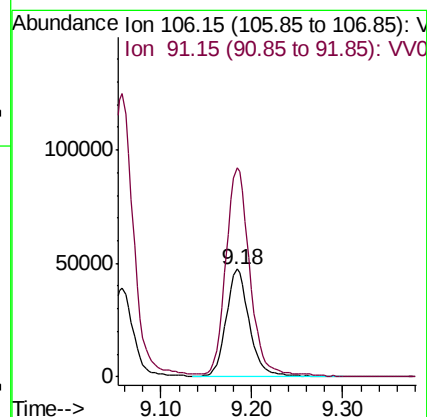
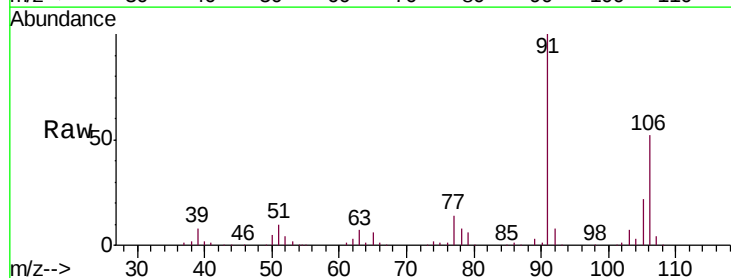
Acq: 04 Mar 2019 14:28

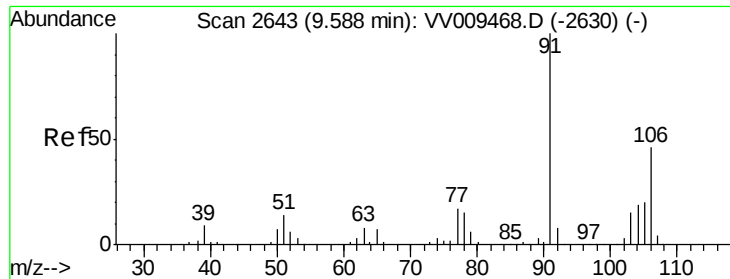
Tgt Ion: 106 Resp: 84161

Ion Ratio Lower Upper

106 100

91 193.4 143.2 266.0





#54

o-xylene

Concen: 4.742 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

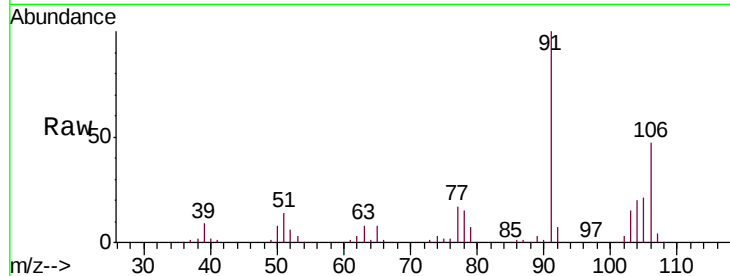
VICV67

Tgt Ion:106 Resp: 80455

Ion Ratio Lower Upper

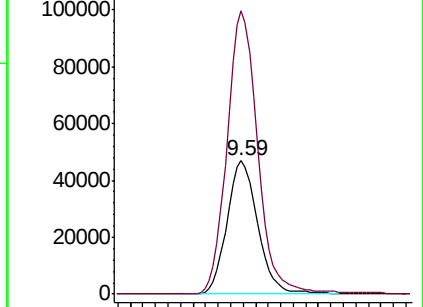
106 100

91 212.3 152.9 283.9

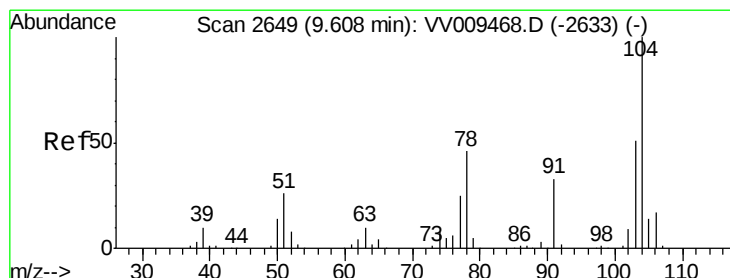
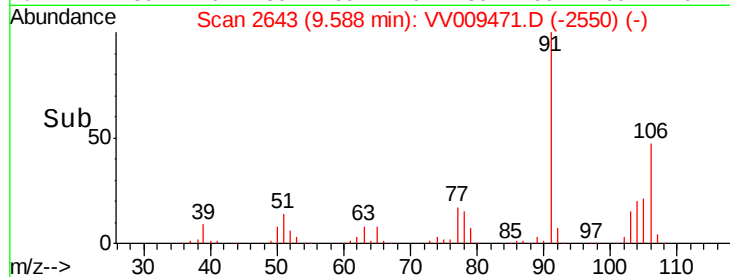


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



Time-->



#55

Styrene

Concen: 4.862 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. -0.00 min

Lab File: VV009471.D

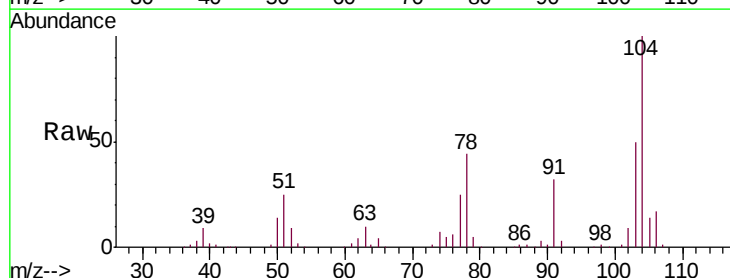
Acq: 04 Mar 2019 14:28

Tgt Ion:104 Resp: 133682

Ion Ratio Lower Upper

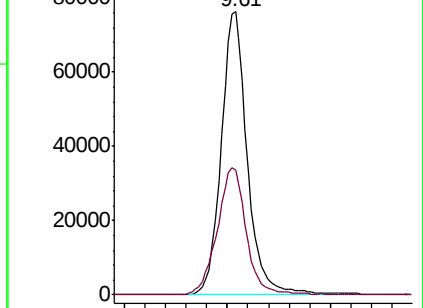
104 100

78 43.9 32.2 59.8

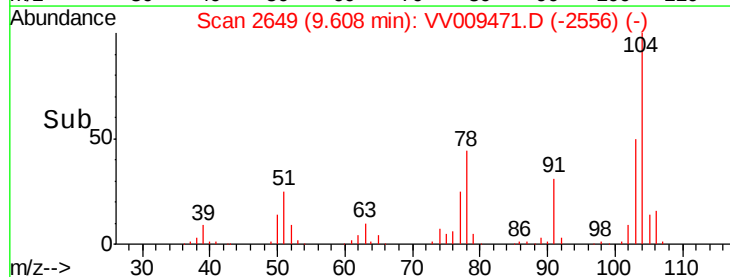


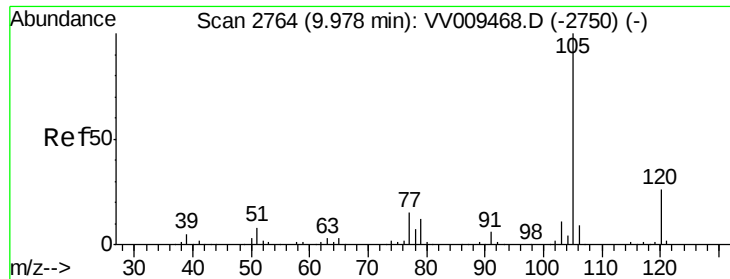
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 4.664 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VICV67

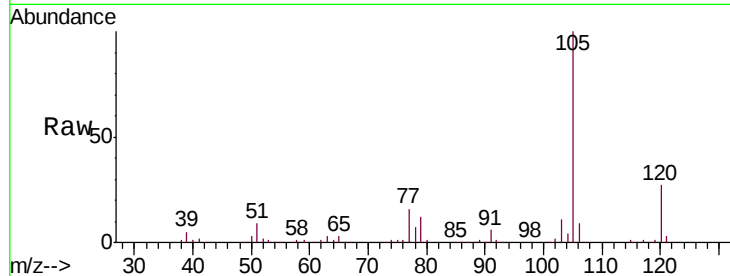
Tgt Ion: 105 Resp: 214797

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

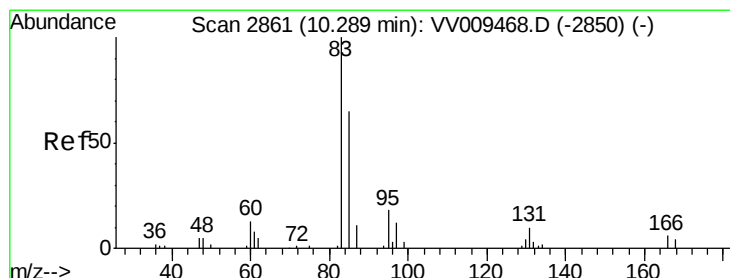
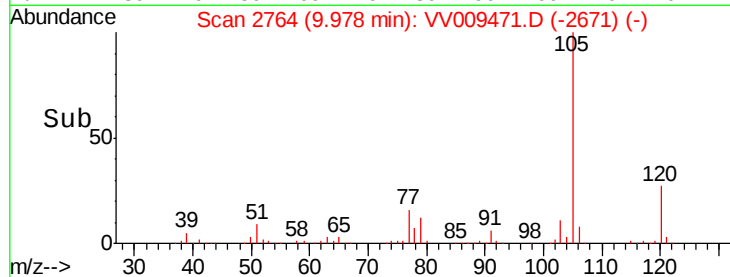
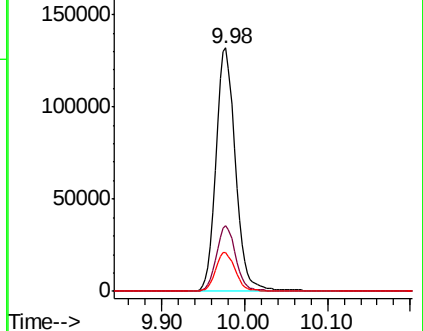
77 16.2 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.773 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

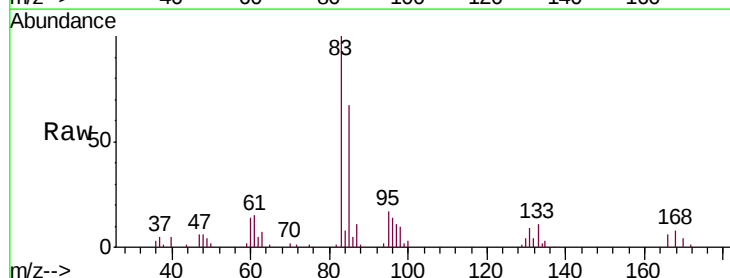
Tgt Ion: 83 Resp: 34923

Ion Ratio Lower Upper

83 100

85 66.6 45.8 85.2

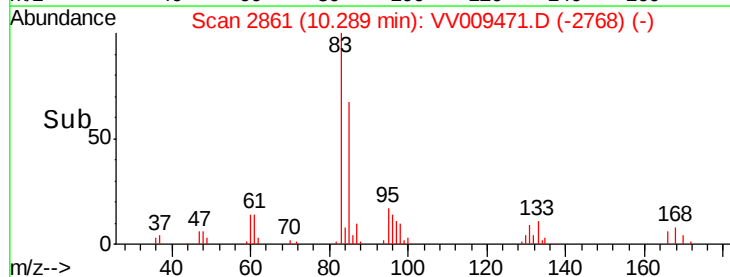
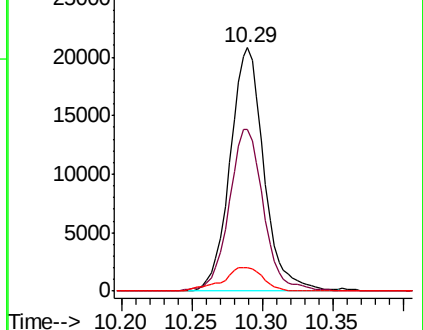
131 9.5 9.0 13.4

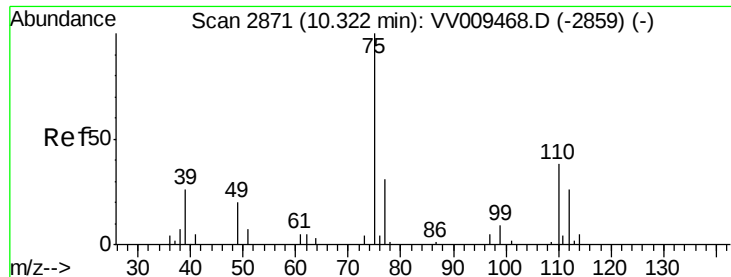


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.664 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

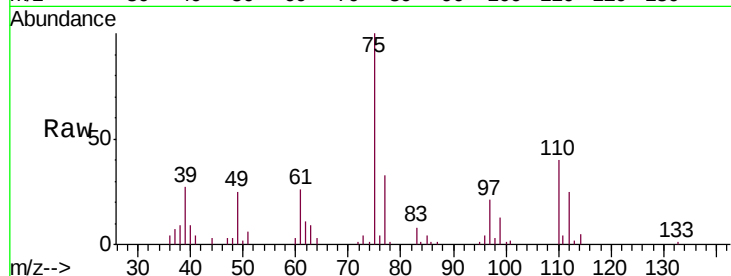
VICV67

Tgt Ion: 75 Resp: 23995

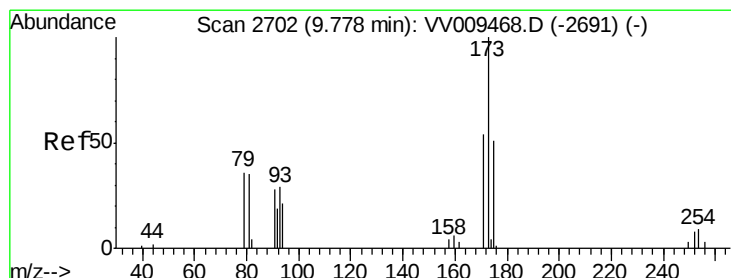
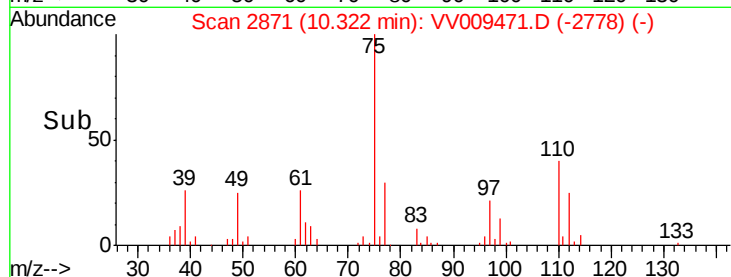
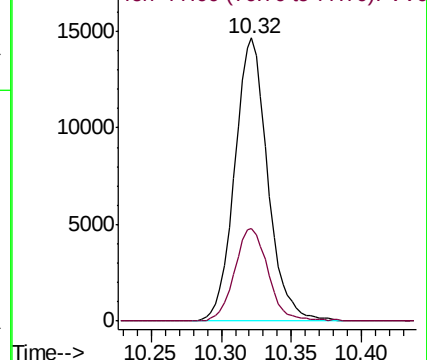
Ion Ratio Lower Upper

75 100

77 33.3 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009471.D (-2778) (-)



#61

Bromoform

Concen: 4.849 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

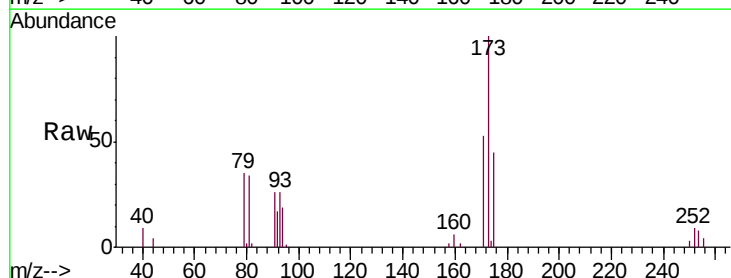
Tgt Ion: 173 Resp: 18517

Ion Ratio Lower Upper

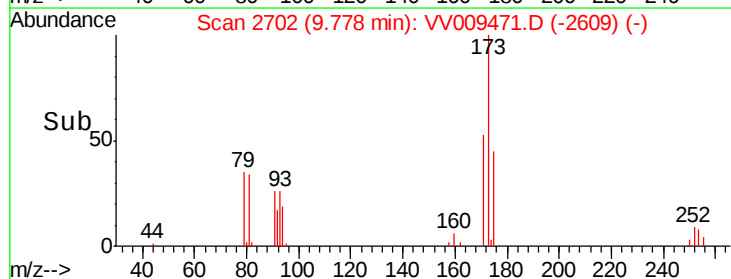
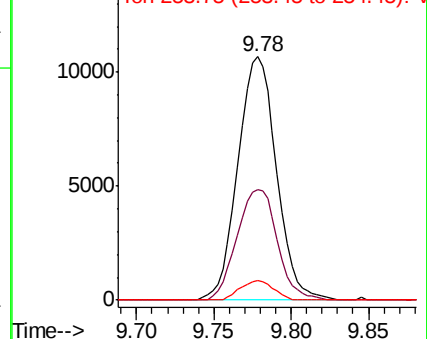
173 100

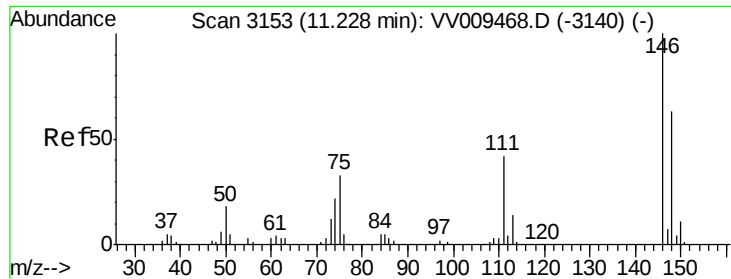
175 47.6 40.0 60.0

254 6.8 6.2 9.2



Abundance Ion 172.90 (172.60 to 173.60): VV009471.D (-2609) (-)





#62

1,3-Dichlorobenzene

Concen: 4.894 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VICV67

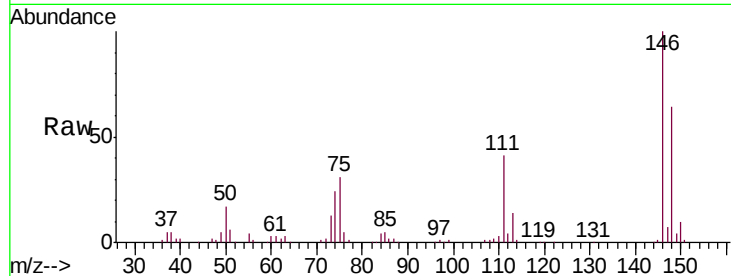
Tgt Ion:146 Resp: 96951

Ion Ratio Lower Upper

146 100

111 40.9 29.7 55.1

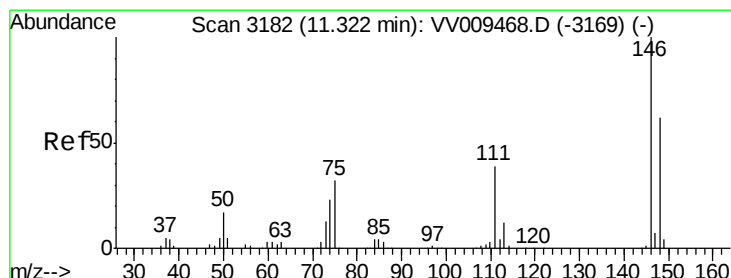
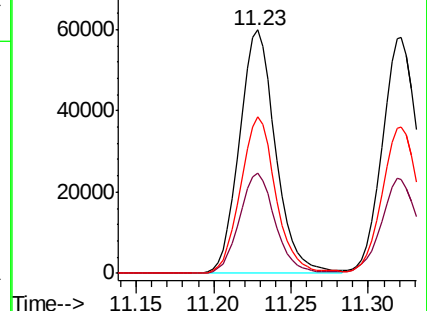
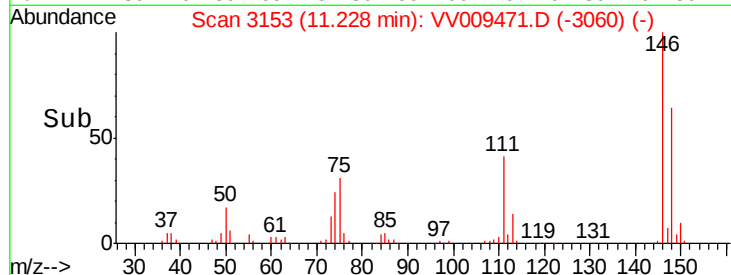
148 64.3 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.877 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

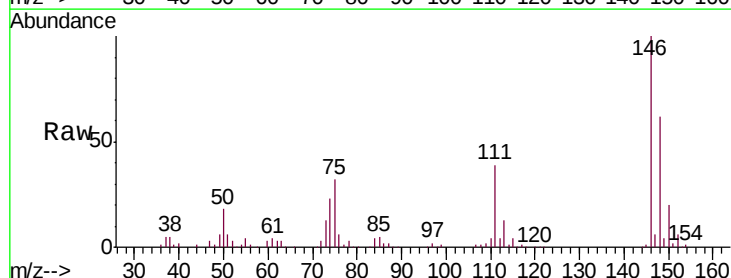
Tgt Ion:146 Resp: 97200

Ion Ratio Lower Upper

146 100

111 39.5 27.4 51.0

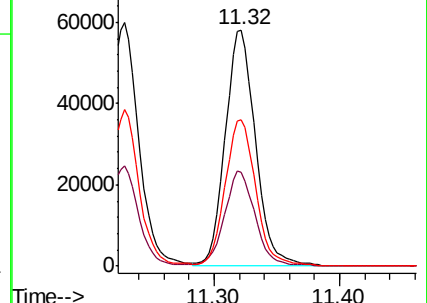
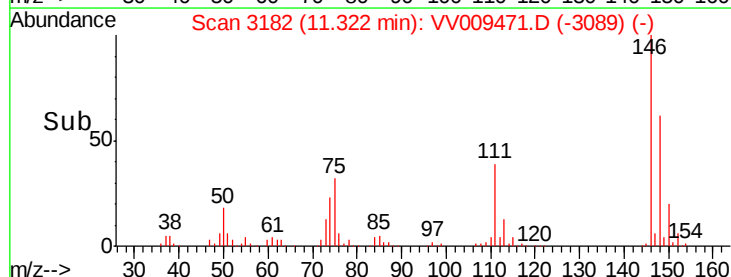
148 62.1 43.6 81.0

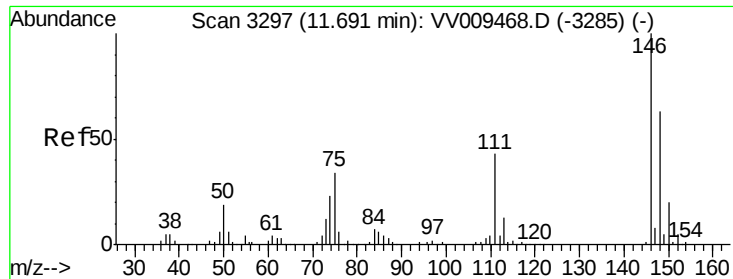


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

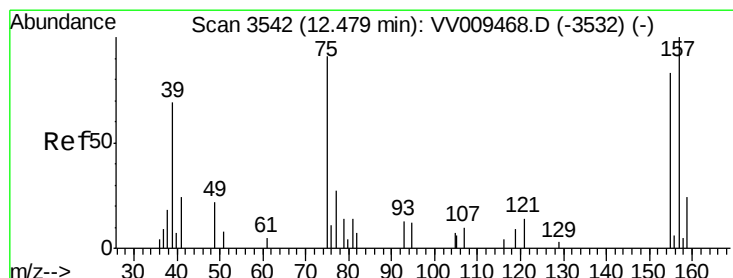
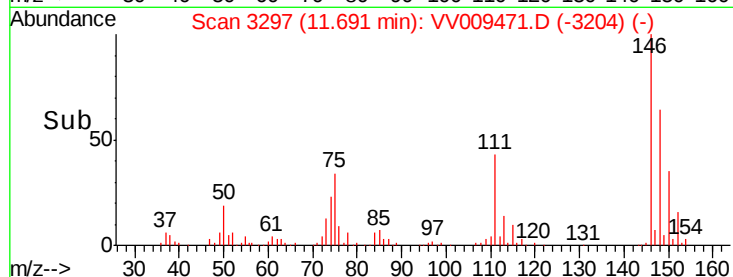
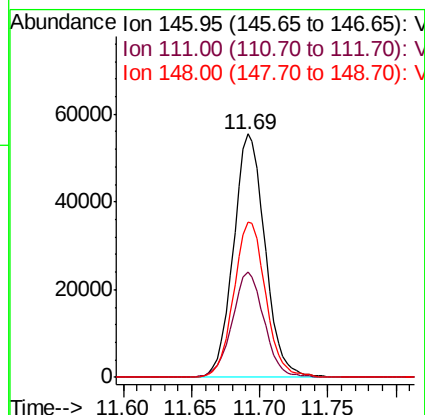
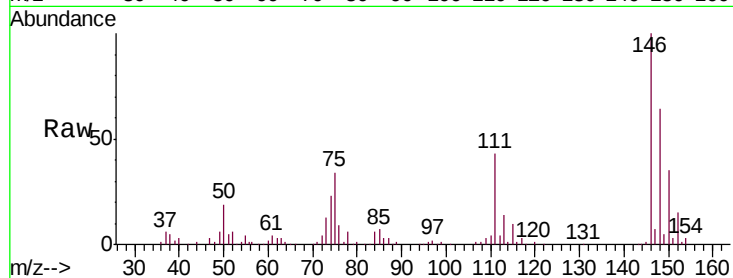




#65
 1,2-Dichlorobenzene
 Concen: 4.831 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

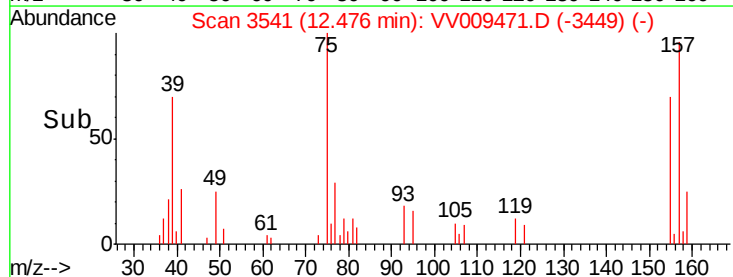
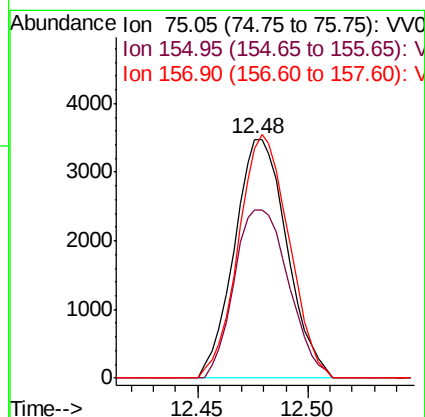
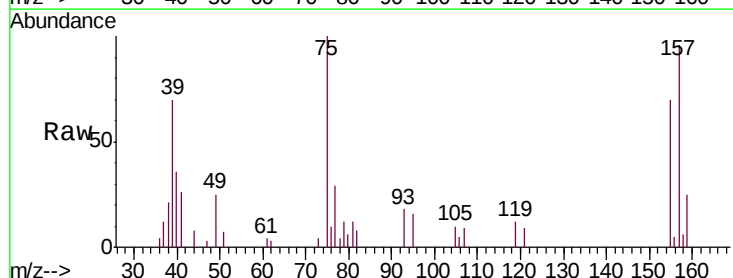
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

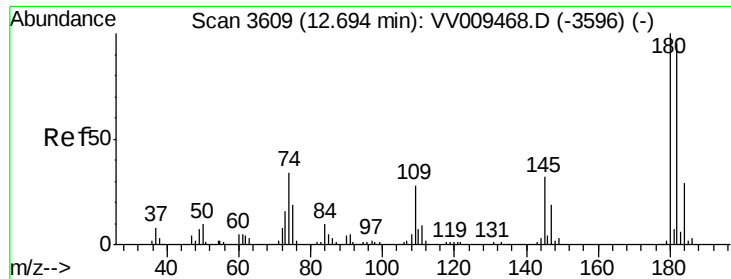
Tgt Ion:146 Resp: 89082
 Ion Ratio Lower Upper
 146 100
 111 43.3 34.7 52.1
 148 63.7 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.884 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion: 75 Resp: 5760
 Ion Ratio Lower Upper
 75 100
 155 70.5 73.5 110.3#
 157 96.1 88.3 132.5

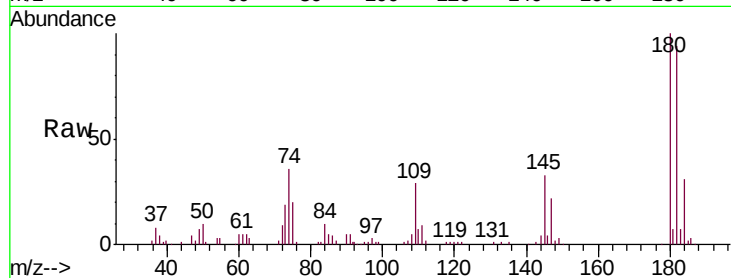




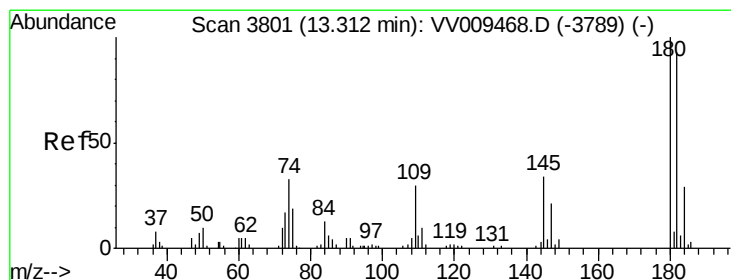
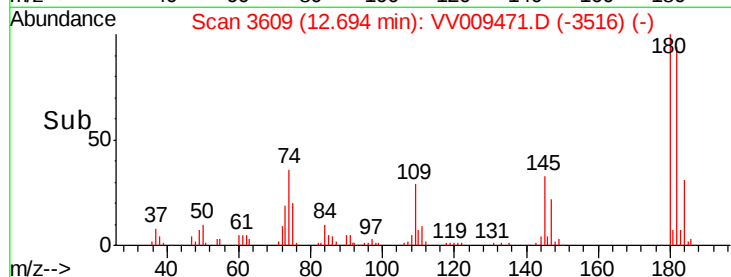
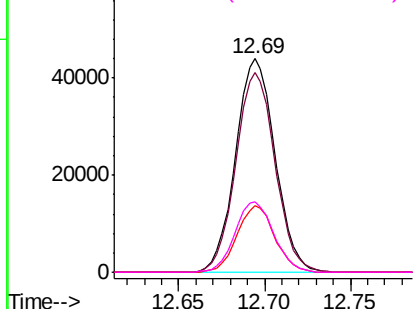
#67
 1,3,5-Trichlorobenzene
 Concen: 4.801 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion:180 Resp: 70338
 Ion Ratio Lower Upper
 180 100
 182 92.7 75.0 112.6
 184 29.6 23.9 35.9
 145 32.5 25.3 37.9

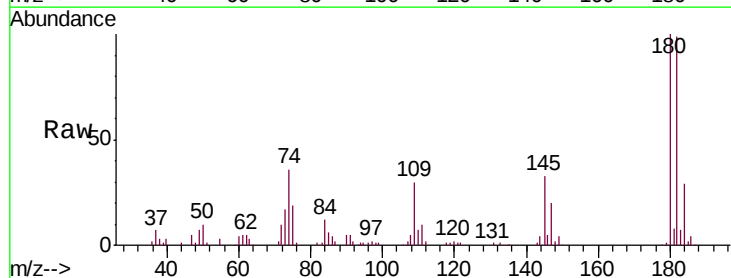


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

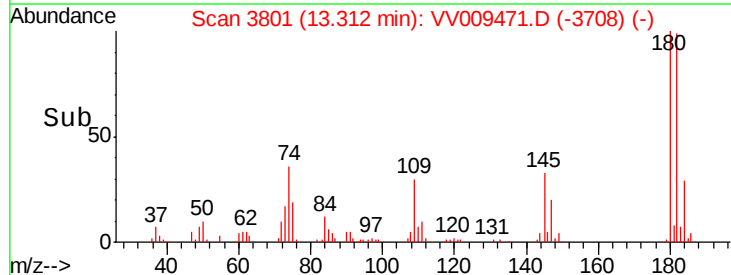
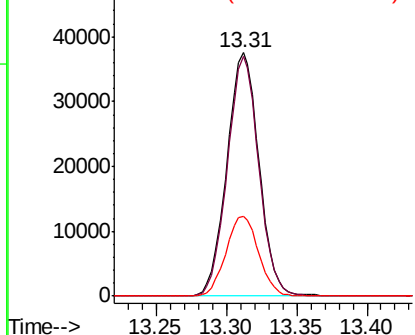


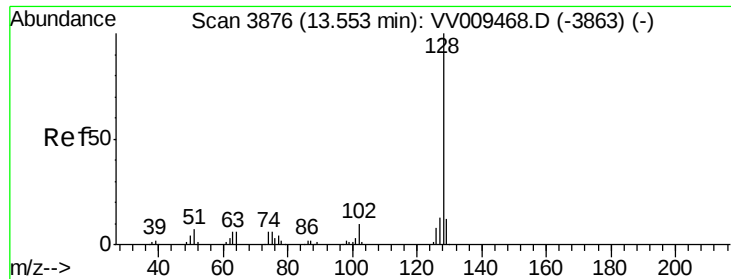
#68
 1,2,4-trichlorobenzene
 Concen: 5.186 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009471.D
 Acq: 04 Mar 2019 14:28

Tgt Ion:180 Resp: 59781
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.2 112.8
 145 33.2 26.6 39.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.395 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

Instrument :

MSVOA_V

ClientSampleId :

VICV67

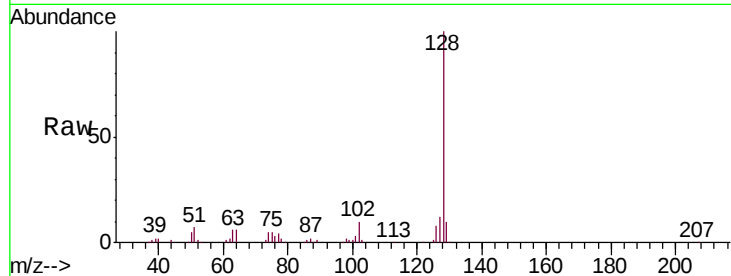
Tgt Ion:128 Resp: 103915

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

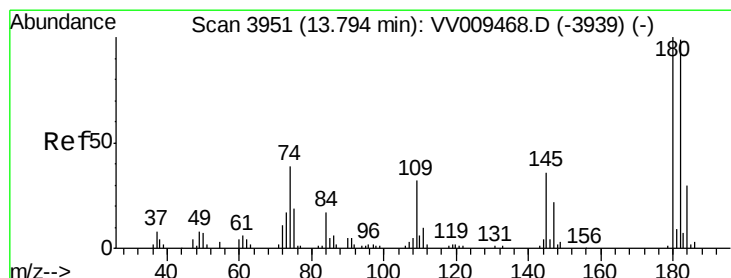
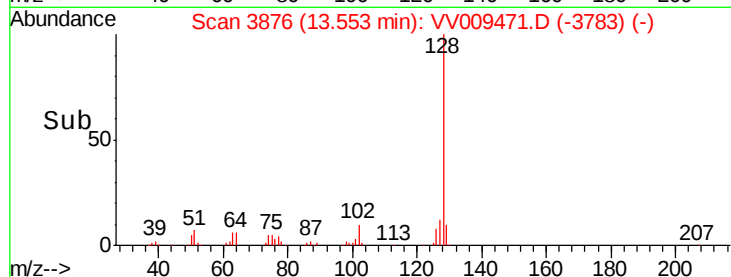
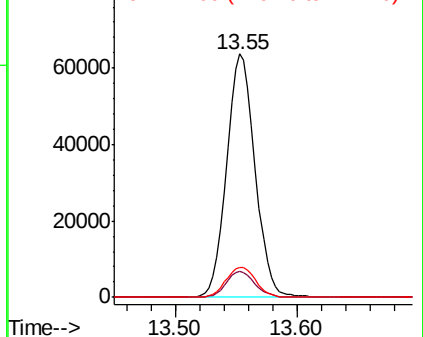
127 13.1 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.111 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009471.D

Acq: 04 Mar 2019 14:28

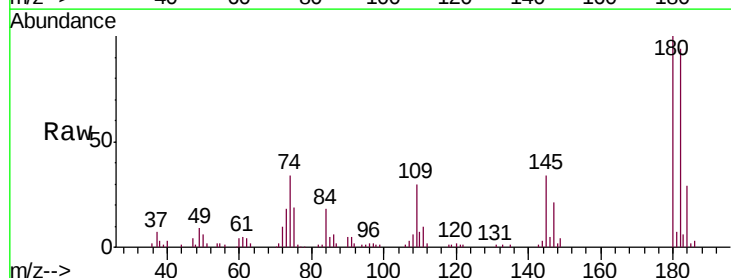
Tgt Ion:180 Resp: 53180

Ion Ratio Lower Upper

180 100

182 93.4 76.8 115.2

145 34.0 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

