

Data File : VV009730.D
Acq On : 16 Mar 2019 15:13
Operator : SY/MD
Sample : VSTD05064
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Quant Time: Mar 18 07:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:20:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	144389	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	141683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66148	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50766	58.78	ug/L	0.00
7) Chloroethane-d5	1.56	69	39204	47.29	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	106581	48.66	ug/L	0.00
21) 2-Butanone-d5	3.93	46	64622	104.75	ug/L	0.00
24) Chloroform-d	4.40	84	93252	51.23	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	56633	47.84	ug/L	0.00
32) Benzene-d6	5.10	84	196664	53.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	57954	53.42	ug/L	0.00
41) Toluene-d8	7.36	98	192845	54.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	28382	51.22	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	49170	104.05	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88572	51.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	68768	50.39	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	55412	58.083	ug/L	100
3) Chloromethane	1.25	50	49613	55.002	ug/L	100
5) Vinyl chloride	1.32	62	54881	56.957	ug/L	100
6) Bromomethane	1.51	94	28336	37.892	ug/L	100
8) Chloroethane	1.58	64	31987	45.176	ug/L	100
9) Trichlorofluoromethane	1.76	101	89612	46.372	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	50142	46.721	ug/L	100
12) 1,1-Dichloroethene	2.14	96	43463	47.290	ug/L	100
13) Acetone	2.19	43	60534	91.087	ug/L	100
14) Carbon disulfide	2.31	76	127981	53.807	ug/L	100
15) Methyl Acetate	2.46	43	45762	52.335	ug/L	100
16) Methylene chloride	2.53	84	51999	55.625	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	47332	54.067	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	149231	53.559	ug/L	100
19) 1,1-Dichloroethane	3.23	63	83528	52.464	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	56191	55.353	ug/L	100
22) 2-Butanone	4.02	43	74039	102.365	ug/L	100
23) Bromochloromethane	4.30	128	27530	53.967	ug/L	100
25) Chloroform	4.43	83	91664	51.354	ug/L	100
27) 1,2-Dichloroethane	5.18	62	68051	49.409	ug/L	100
29) Cyclohexane	4.73	56	76695	54.397	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	78344	52.125	ug/L	100
31) Carbon tetrachloride	4.87	117	66508	52.617	ug/L	100
33) Benzene	5.15	78	196995	54.309	ug/L	100
34) Trichloroethene	5.96	95	52162	53.778	ug/L	100
35) Methylcyclohexane	6.18	83	86370	54.584	ug/L	100
37) 1,2-Dichloropropane	6.22	63	49700	53.562	ug/L	100
38) Bromodichloromethane	6.56	83	67286	52.089	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	77353	52.723	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	132126	106.707	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	225366	54.598	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	74004	54.289	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	53308	55.418	ug/L	100
46) Tetrachloroethene	8.02	164	42172	54.857	ug/L	100
48) 2-Hexanone	8.19	43	102069	104.629	ug/L	100
49) Dibromochloromethane	8.29	129	57220	54.132	ug/L	100
50) 1,2-Dibromoethane	8.40	107	55521	54.886	ug/L	100
51) Chlorobenzene	8.93	112	145958	52.922	ug/L	100
52) Ethylbenzene	9.06	91	250993	53.700	ug/L	100
53) m,p-Xylene	9.18	106	97174	54.231	ug/L	100
54) o-Xylene	9.59	106	97199	53.824	ug/L	100
55) Styrene	9.60	104	156674	53.796	ug/L	100
56) Isopropylbenzene	9.98	105	251366	53.554	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	88864	53.102	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	64250	51.816	ug/L	100
61) Bromoform	9.78	173	38381	50.919	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	110389	53.769	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	108069	53.363	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	112868	53.776	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	15663	50.014	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	73174	54.888	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	55232	59.116	ug/L	100
69) Naphthalene	13.55	128	148856	57.251	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	56700	58.475	ug/L	100

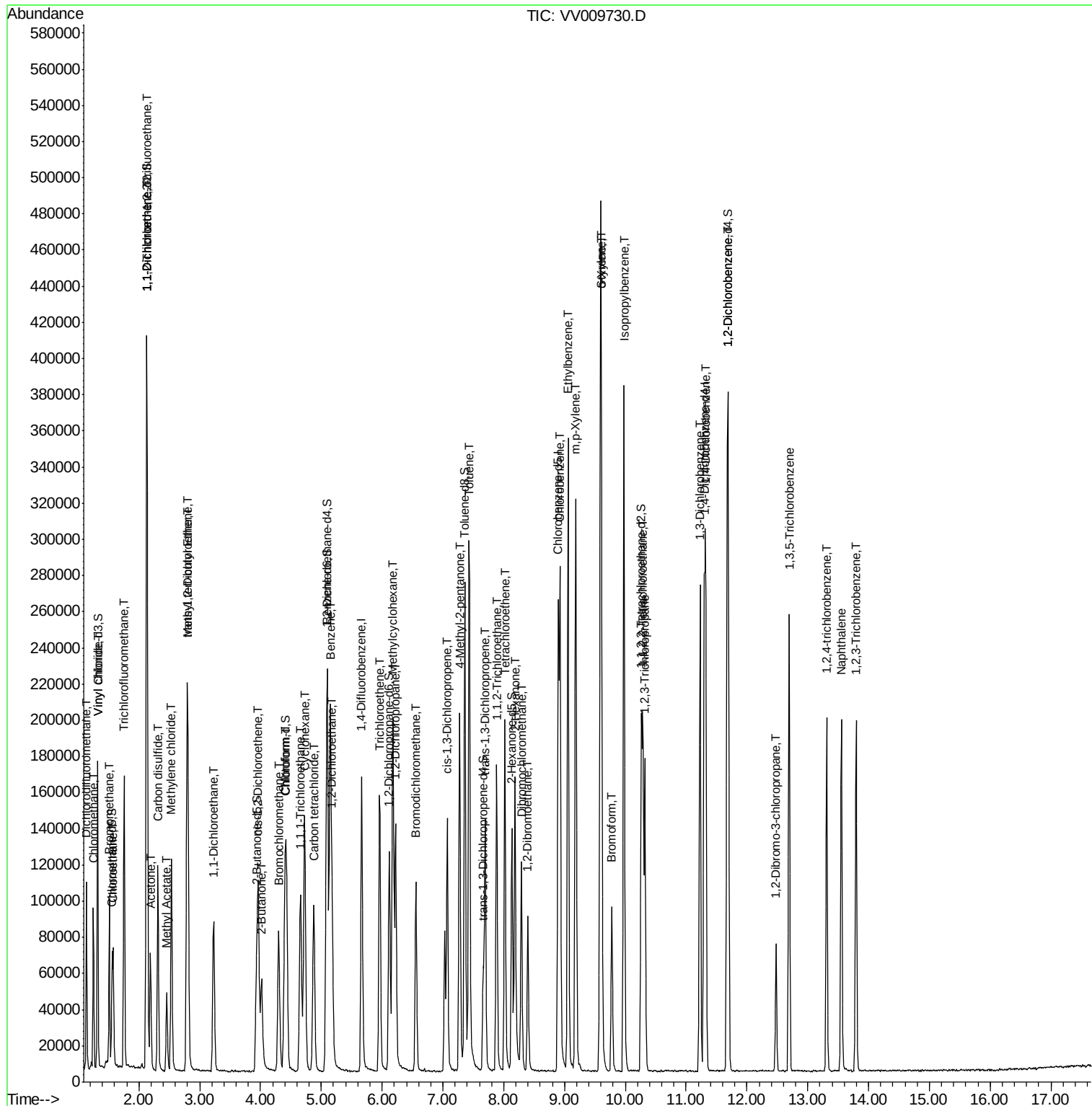
(#) = qualifier out of range (m) = manual integration (+) = signals summed

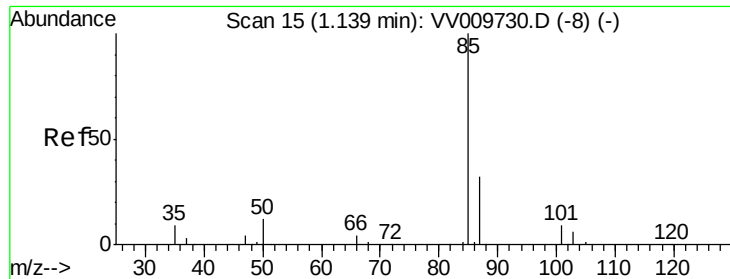
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#2

Dichlorodifluoromethane

Concen: 58.083 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

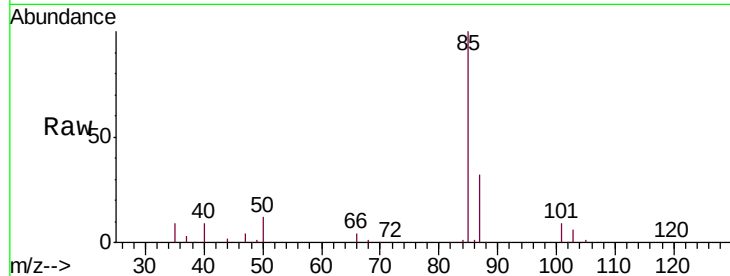
VSTD05064

Tgt Ion: 85 Resp: 55412

Ion Ratio Lower Upper

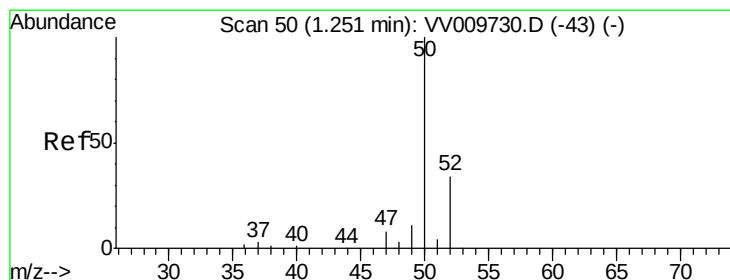
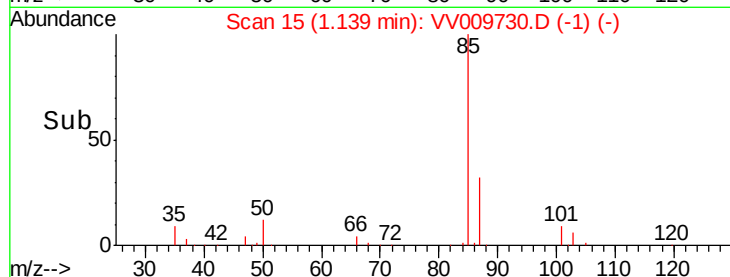
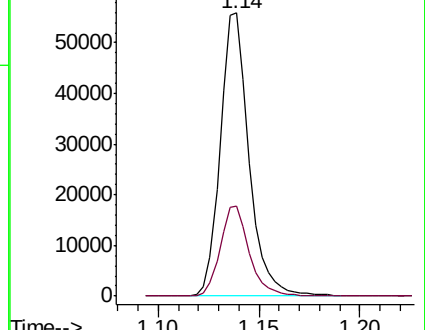
85 100

87 32.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009730.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009730.D (-8) (-)



#3

Chloromethane

Concen: 55.002 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009730.D

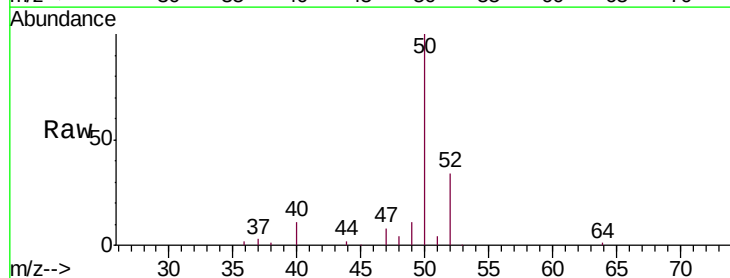
Acq: 16 Mar 2019 15:13

Tgt Ion: 50 Resp: 49613

Ion Ratio Lower Upper

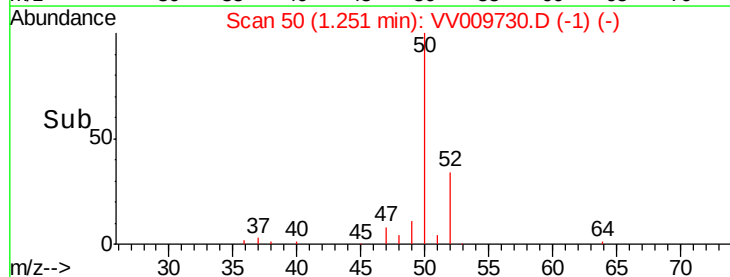
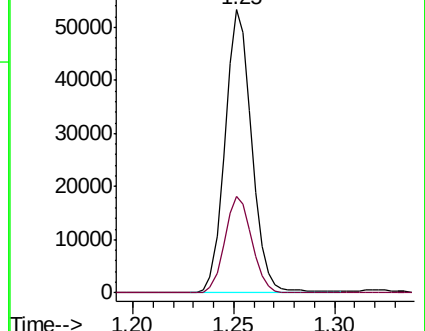
50 100

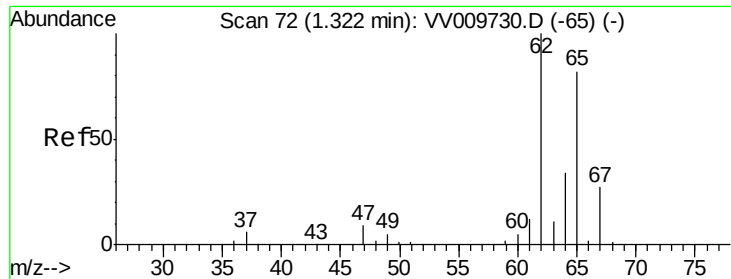
52 34.3 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009730.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009730.D (-43) (-)





#5

Vinyl chloride

Concen: 56.957 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

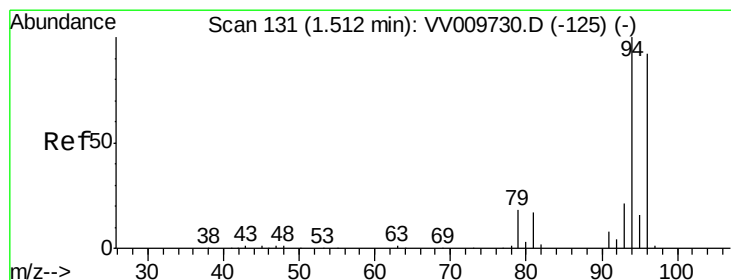
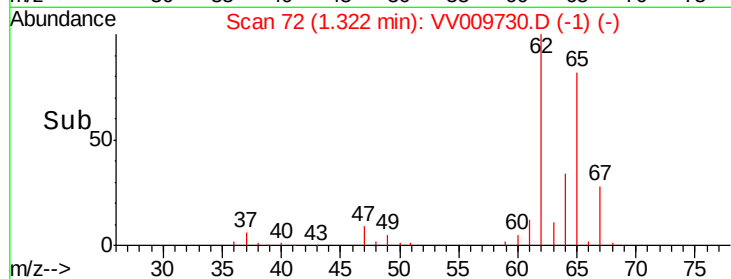
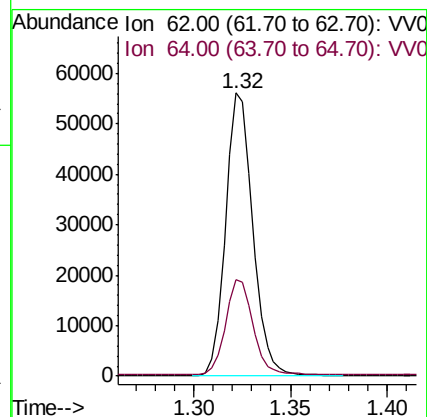
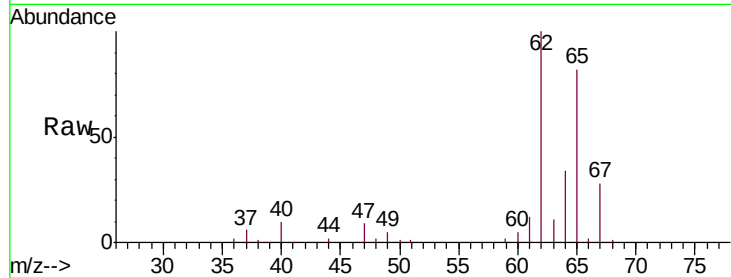
VSTD05064

Tgt Ion: 62 Resp: 54881

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.3



#6

Bromomethane

Concen: 37.892 ug/L

RT: 1.51 min Scan# 131

Delta R.T. 0.00 min

Lab File: VV009730.D

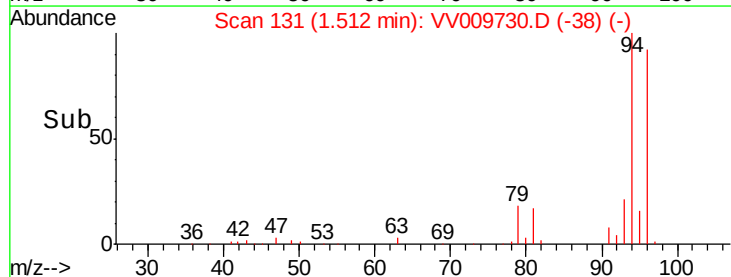
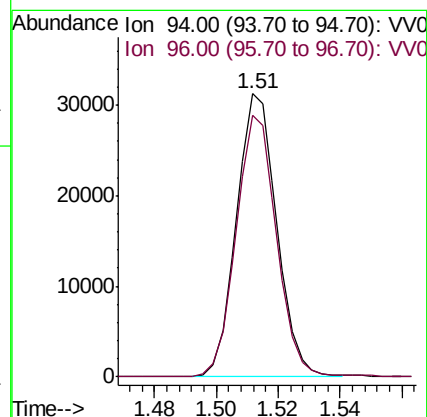
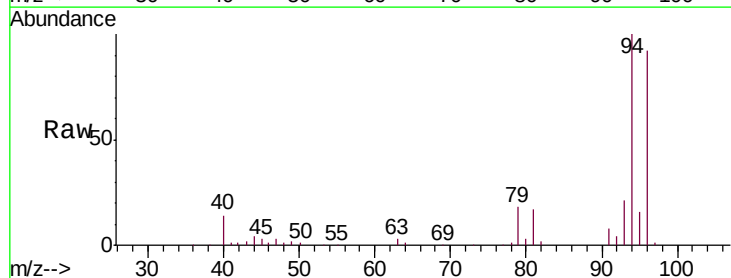
Acq: 16 Mar 2019 15:13

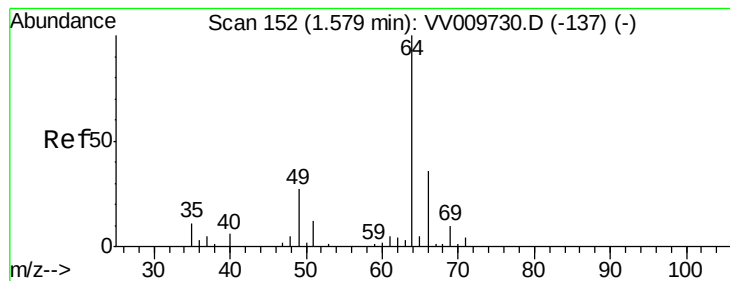
Tgt Ion: 94 Resp: 28336

Ion Ratio Lower Upper

94 100

96 92.3 64.6 120.0





#8

Chloroethane

Concen: 45.176 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

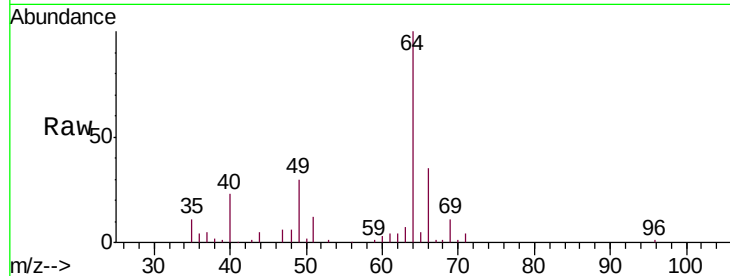
VSTD05064

Tgt Ion: 64 Resp: 31987

Ion Ratio Lower Upper

64 100

66 35.0 24.5 45.5

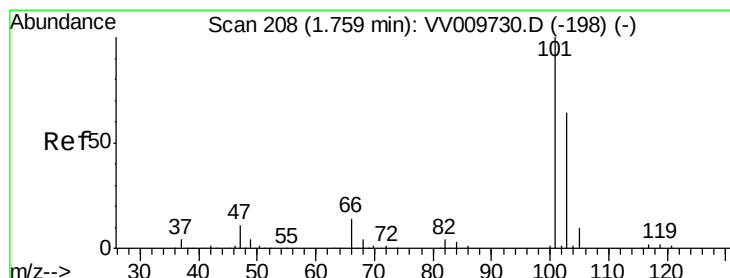
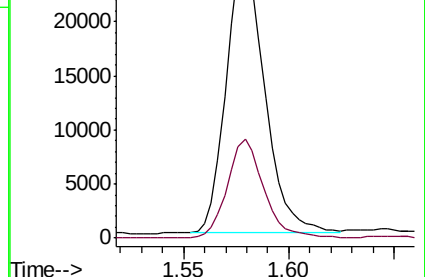
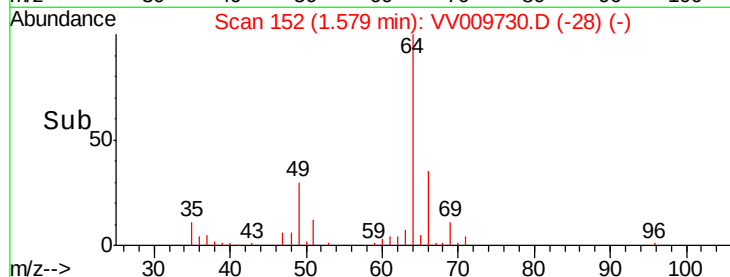


Abundance Ion 64.00 (63.70 to 64.70): VV009730.D (-137) (-)

Ion 66.00 (65.70 to 66.70): VV009730.D (-137) (-)

1.58

Time-->



#9

Trichlorofluoromethane

Concen: 46.372 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV009730.D

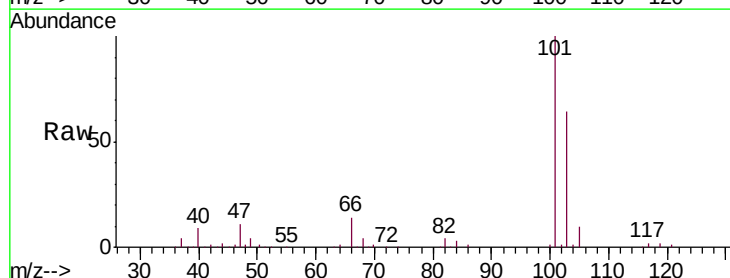
Acq: 16 Mar 2019 15:13

Tgt Ion: 101 Resp: 89612

Ion Ratio Lower Upper

101 100

103 65.4 52.3 78.5

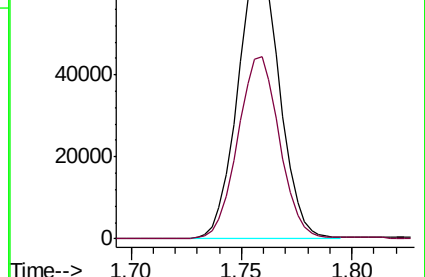
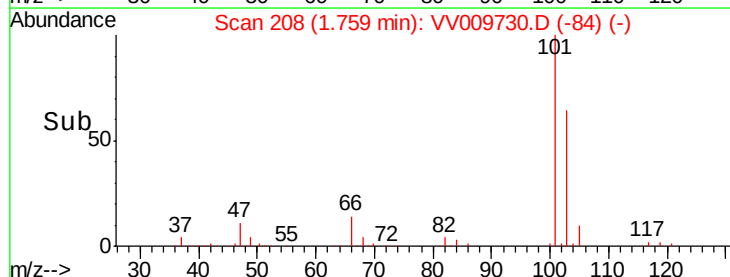


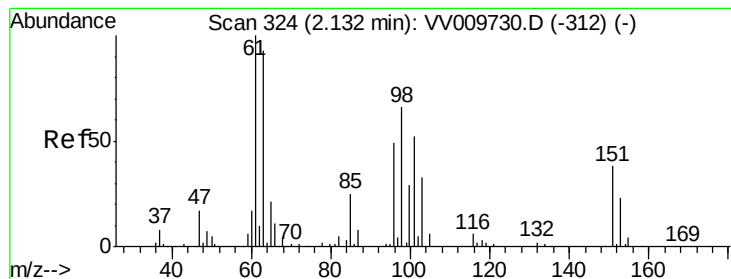
Abundance Ion 101.00 (100.70 to 101.70): VV009730.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV009730.D (-198) (-)

1.76

Time-->





#10

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

Concen: 46.721 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

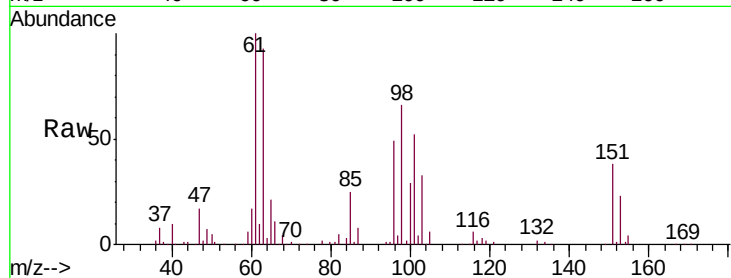
Tgt Ion: 101 Resp: 50142

Ion Ratio Lower Upper

101 100

85 48.1 38.5 57.7

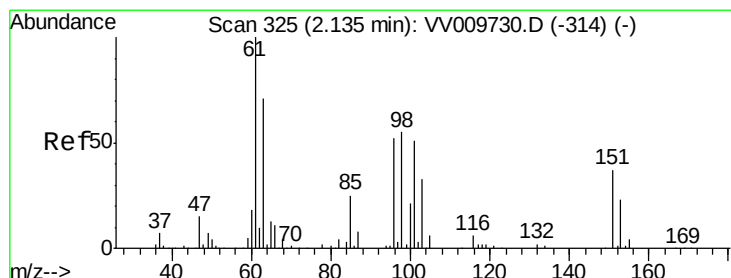
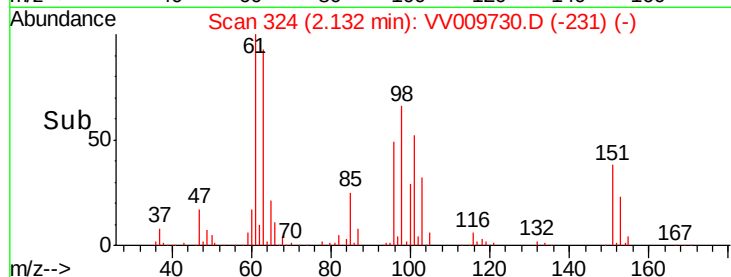
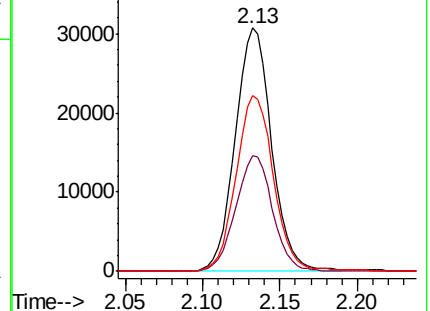
151 73.6 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009730.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009730.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009730.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 47.290 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

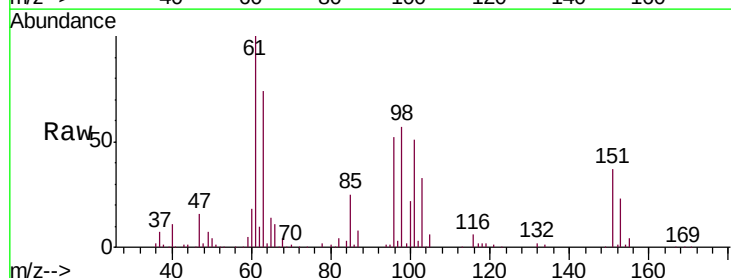
Tgt Ion: 96 Resp: 43463

Ion Ratio Lower Upper

96 100

61 193.6 135.5 251.7

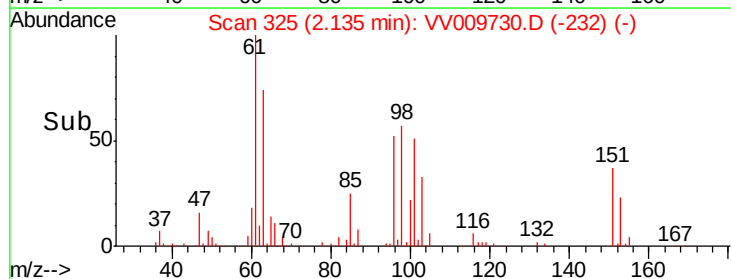
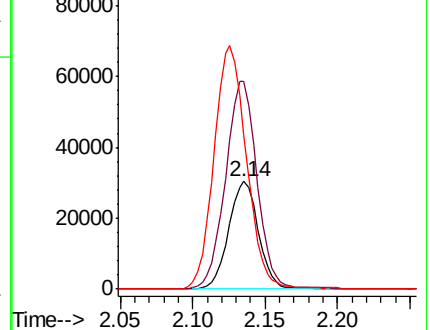
63 143.2 100.2 186.2

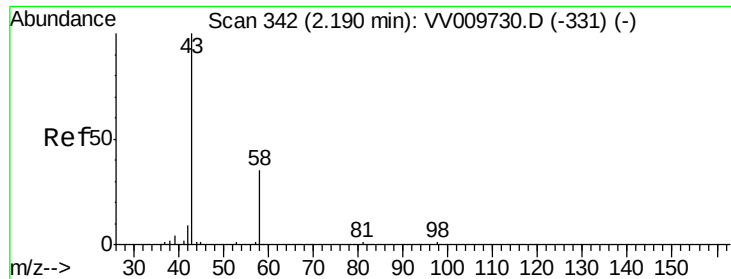


Abundance Ion 96.00 (95.70 to 96.70): VV009730.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009730.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009730.D (-314) (-)





#13

Acetone

Concen: 91.087 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

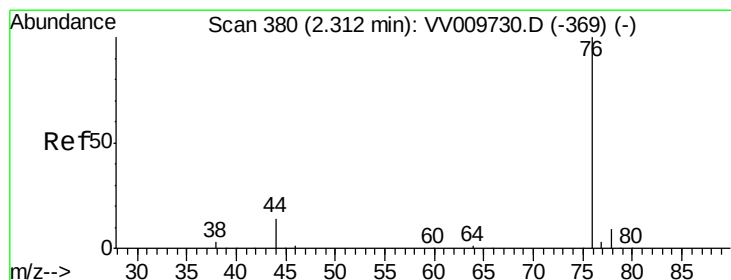
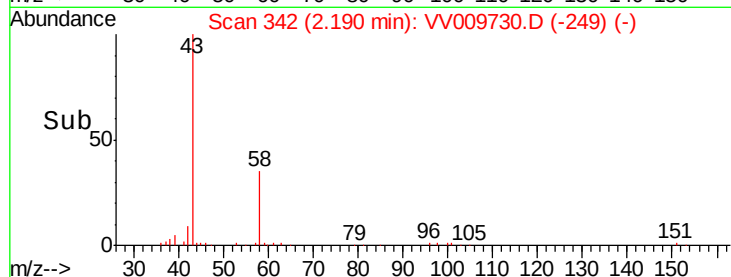
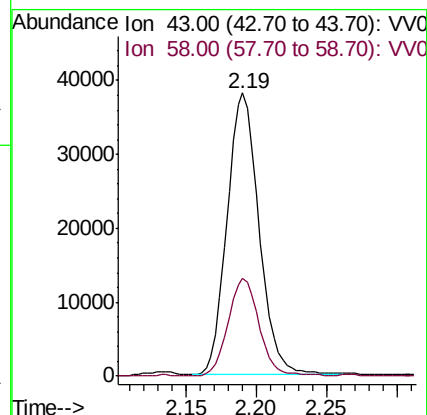
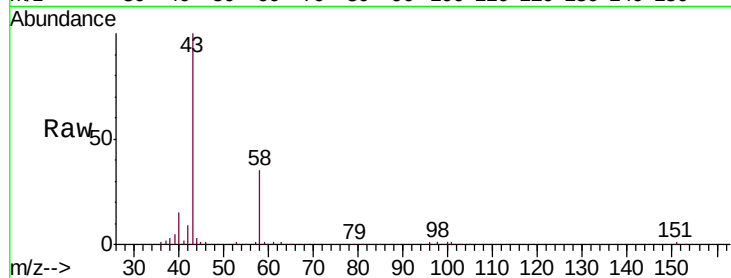
VSTD05064

Tgt Ion: 43 Resp: 60534

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.8



#14

Carbon disulfide

Concen: 53.807 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV009730.D

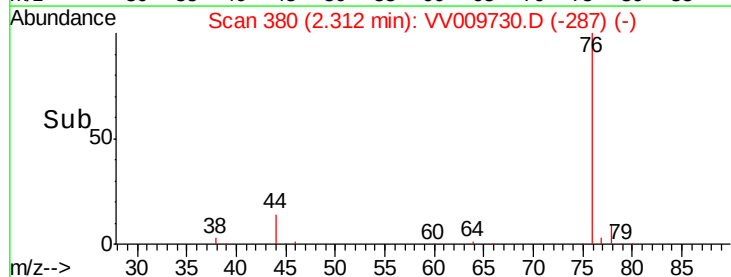
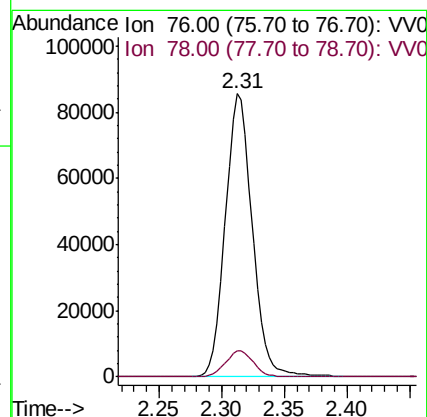
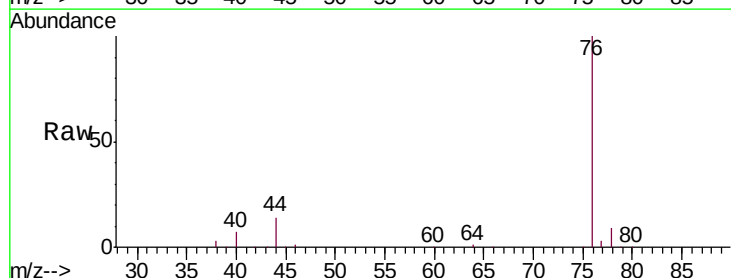
Acq: 16 Mar 2019 15:13

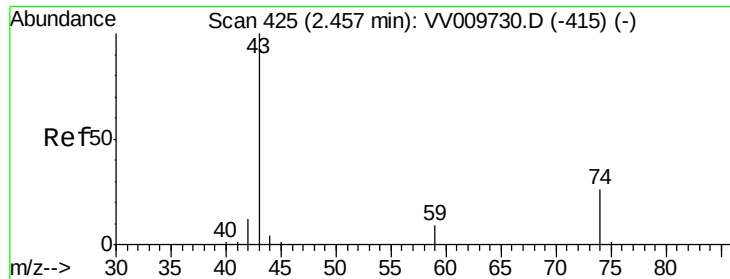
Tgt Ion: 76 Resp: 127981

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

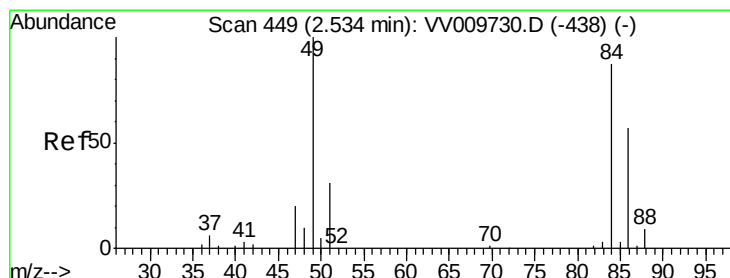
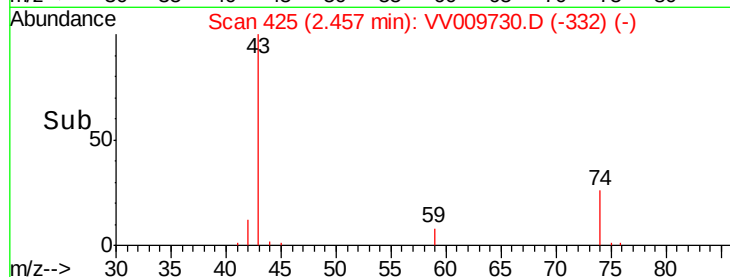
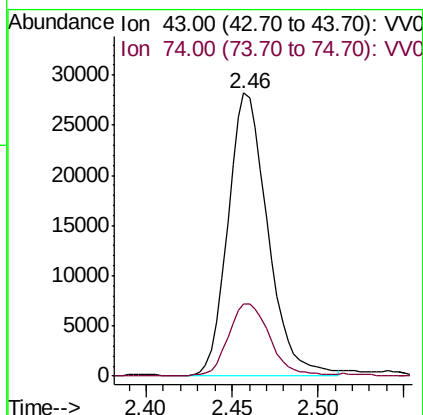
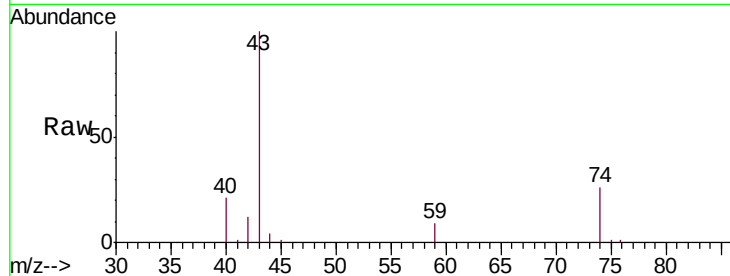




#15
Methyl Acetate
Concen: 52.335 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

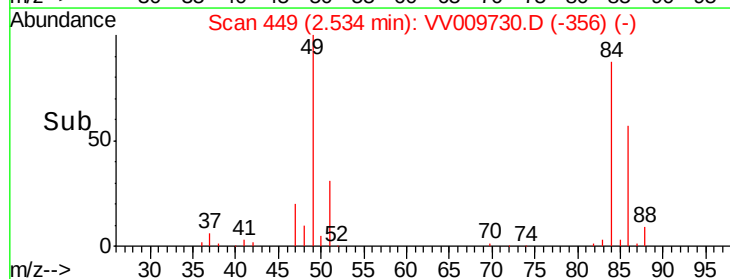
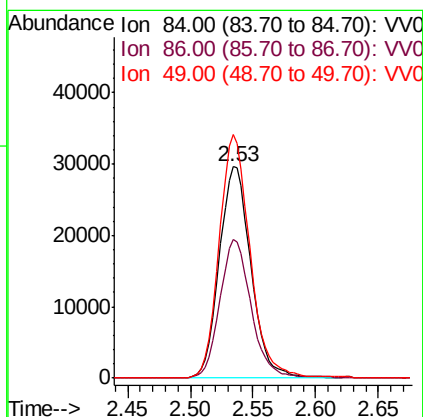
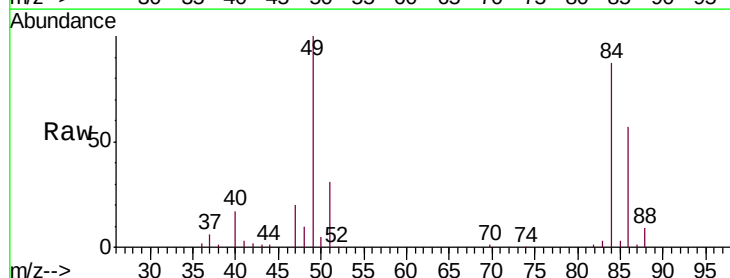
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

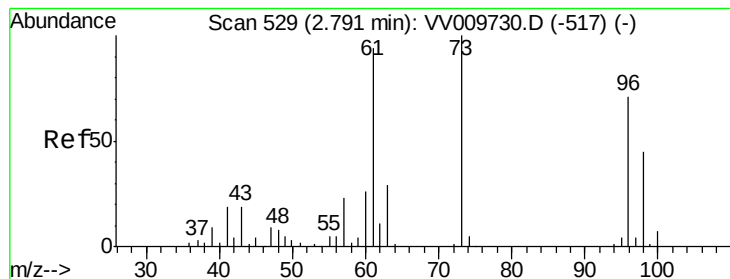
Tgt Ion: 43 Resp: 45762
Ion Ratio Lower Upper
43 100
74 26.6 21.3 31.9



#16
Methylene chloride
Concen: 55.625 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion: 84 Resp: 51999
Ion Ratio Lower Upper
84 100
86 65.5 45.8 85.2
49 115.1 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 54.067 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

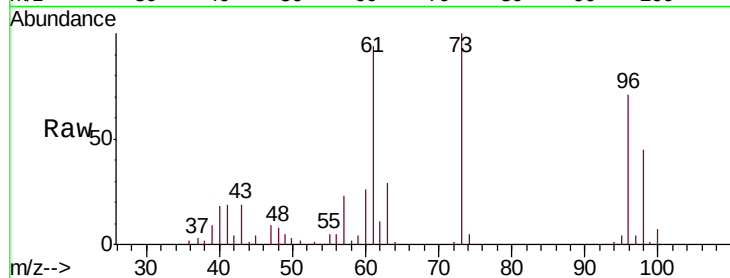
Tgt Ion: 96 Resp: 47332

Ion Ratio Lower Upper

96 100

61 131.5 92.0 170.9

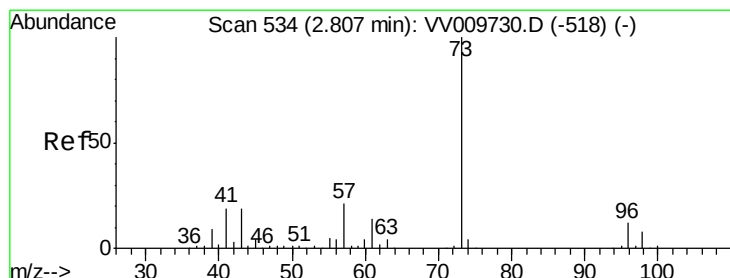
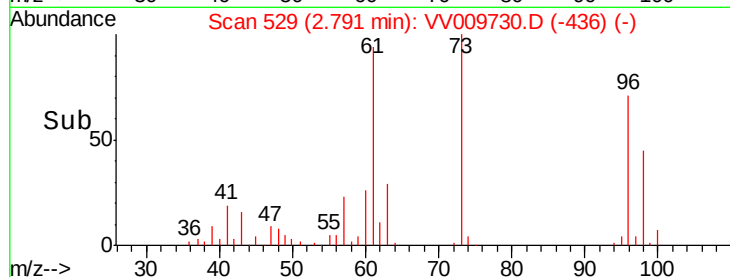
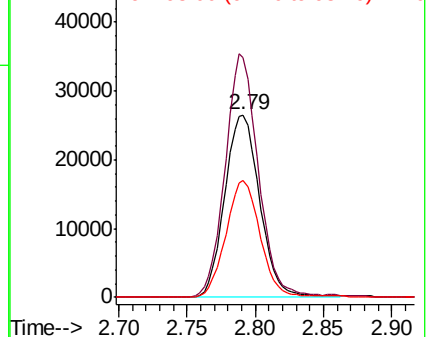
98 63.8 44.7 82.9



Abundance Ion 96.00 (95.70 to 96.70): VV009730.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV009730.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV009730.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 53.559 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

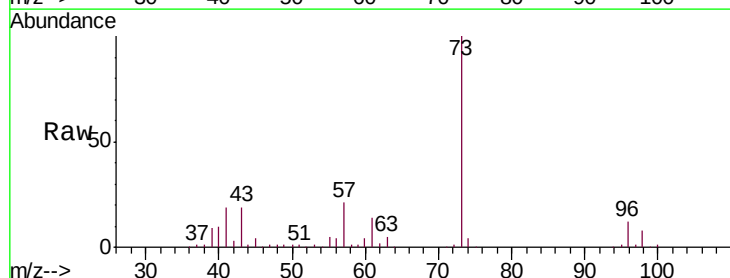
Tgt Ion: 73 Resp: 149231

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

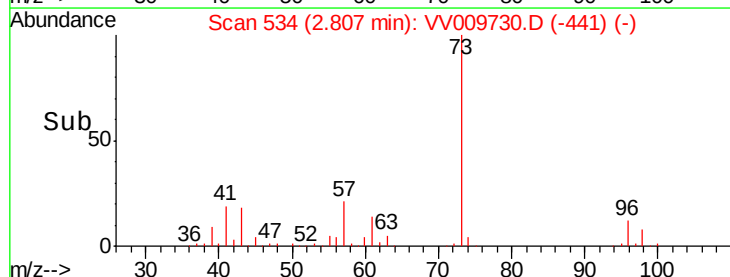
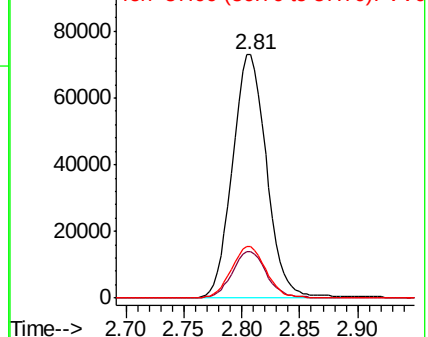
57 21.4 17.1 25.7

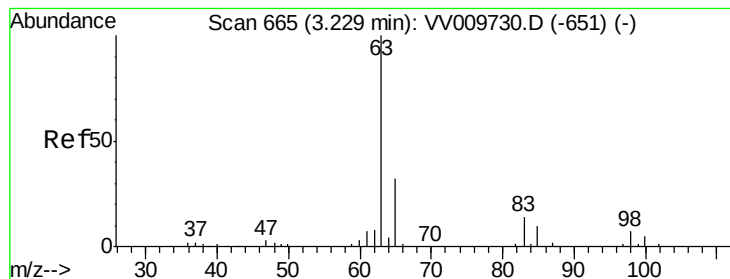


Abundance Ion 73.00 (72.70 to 73.70): VV009730.D (-518) (-)

Ion 43.00 (42.70 to 43.70): VV009730.D (-518) (-)

Ion 57.00 (56.70 to 57.70): VV009730.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 52.464 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

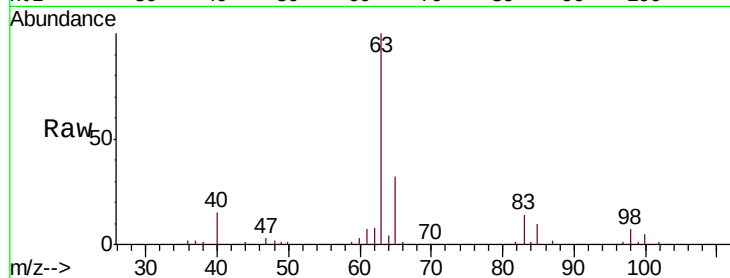
Tgt Ion: 63 Resp: 83528

Ion Ratio Lower Upper

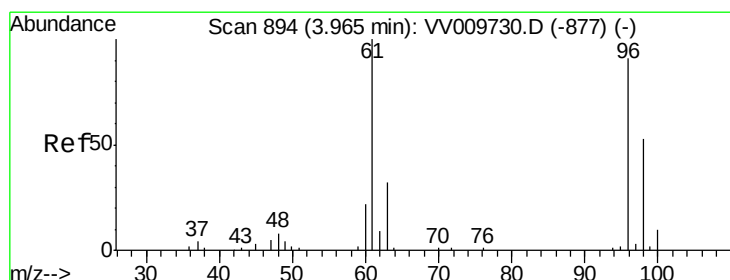
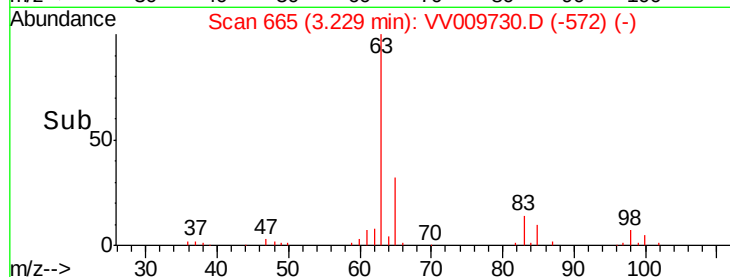
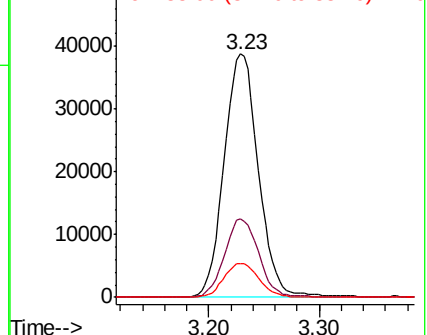
63 100

65 32.5 22.7 42.3

83 14.0 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 55.353 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

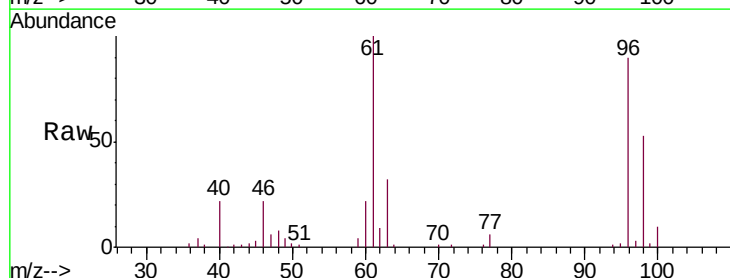
Tgt Ion: 96 Resp: 56191

Ion Ratio Lower Upper

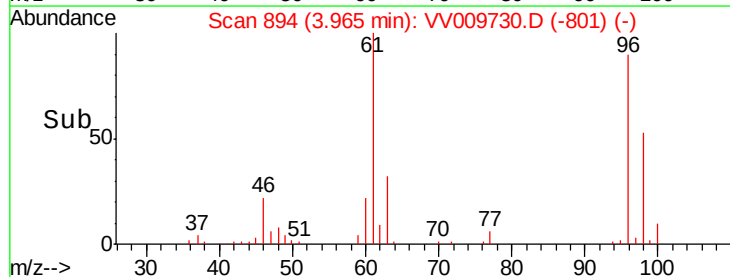
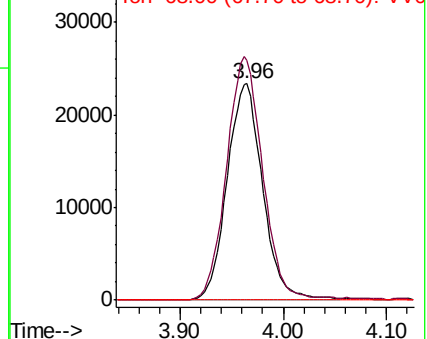
96 100

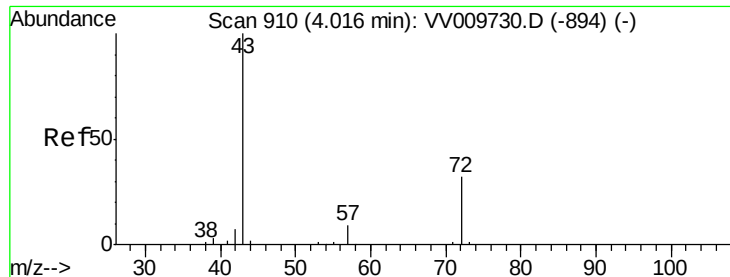
61 110.7 77.5 143.9

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 102.365 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

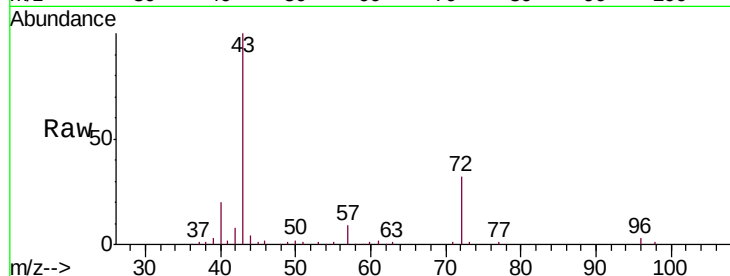
VSTD05064

Tgt Ion: 43 Resp: 74039

Ion Ratio Lower Upper

43 100

72 29.6 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009730.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV009730.D (-894) (-)

4.02

30000

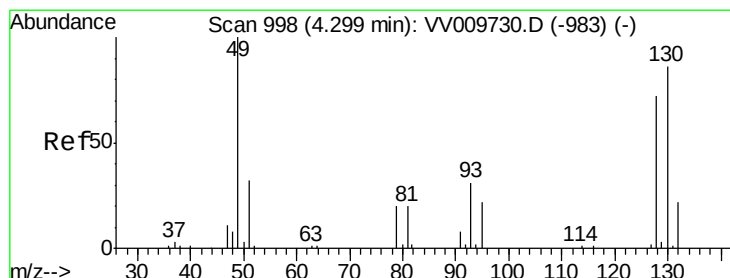
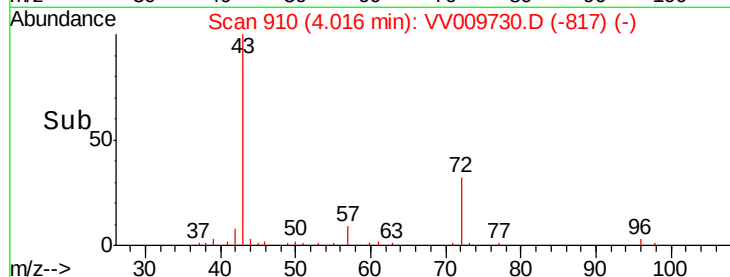
20000

10000

0

Time-->

3.90 4.00 4.10



#23

Bromochloromethane

Concen: 53.967 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Tgt Ion: 128 Resp: 27530

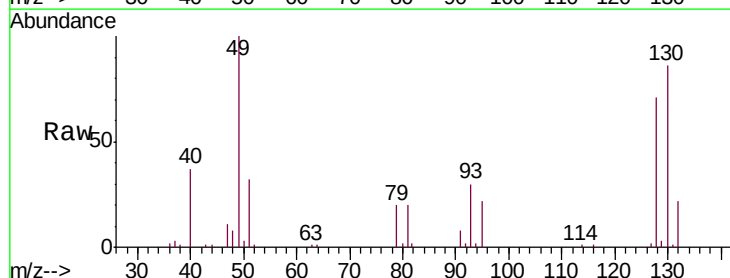
Ion Ratio Lower Upper

128 100

49 140.0 98.0 182.0

130 120.7 84.5 156.9

51 44.8 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV009730.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV009730.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV009730.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV009730.D (-983) (-)

4.30

25000

20000

15000

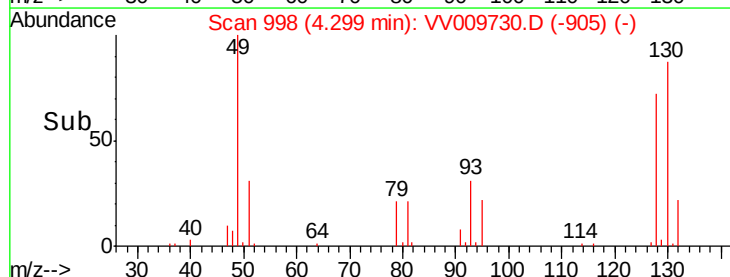
10000

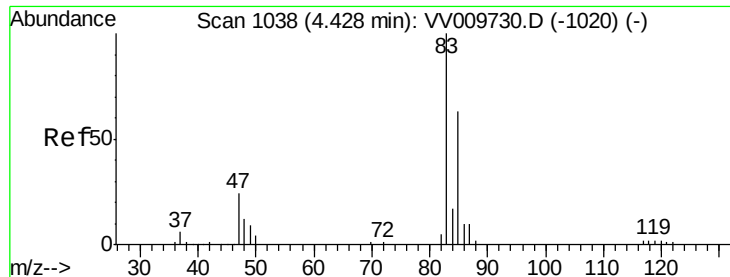
5000

0

Time-->

4.20 4.25 4.30 4.35 4.40

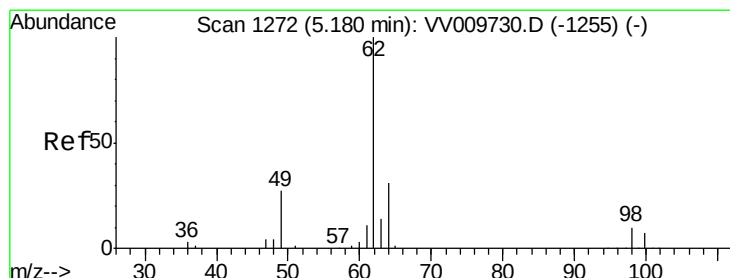
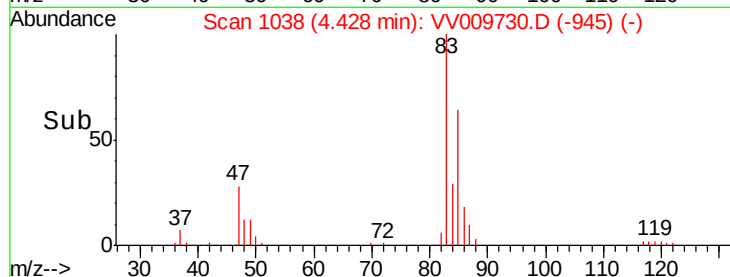
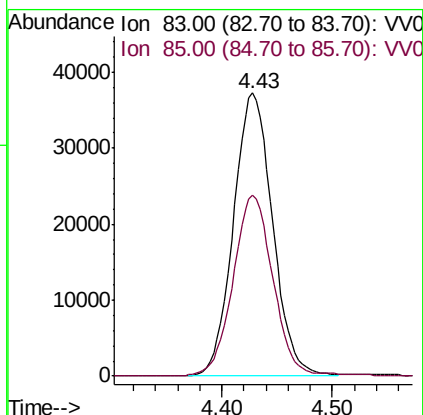
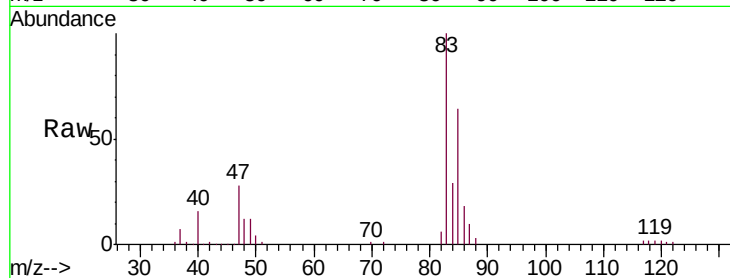




#25
Chloroform
Concen: 51.354 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

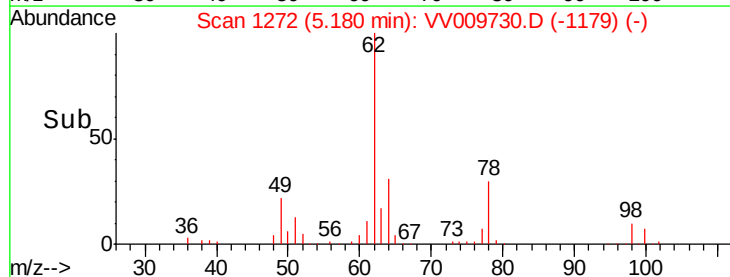
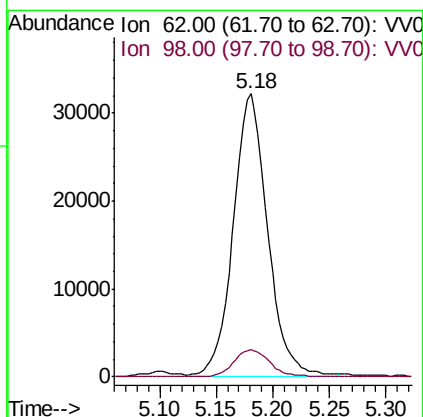
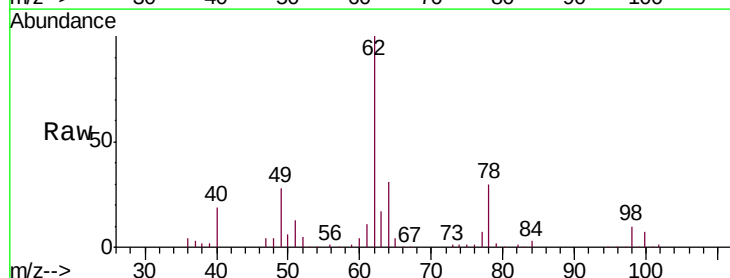
Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

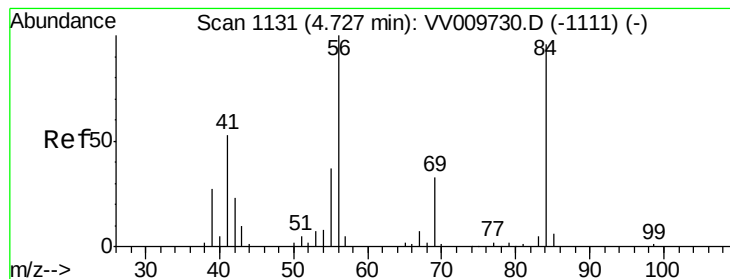
Tgt Ion: 83 Resp: 91664
Ion Ratio Lower Upper
83 100
85 63.7 44.6 82.8



#27
1,2-Dichloroethane
Concen: 49.409 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion: 62 Resp: 68051
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6





#29

Cyclohexane

Concen: 54.397 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

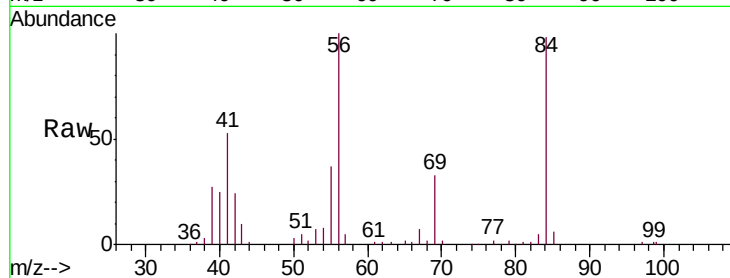
Tgt Ion: 56 Resp: 76695

Ion Ratio Lower Upper

56 100

69 32.2 25.8 38.6

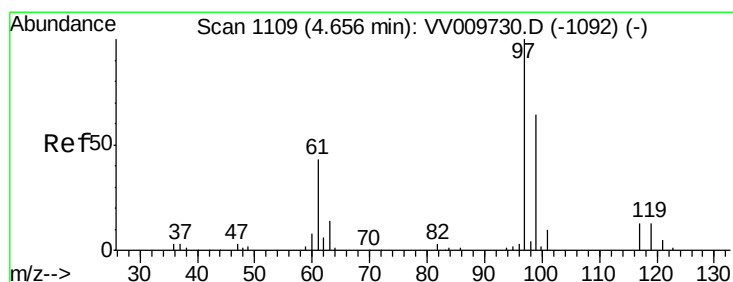
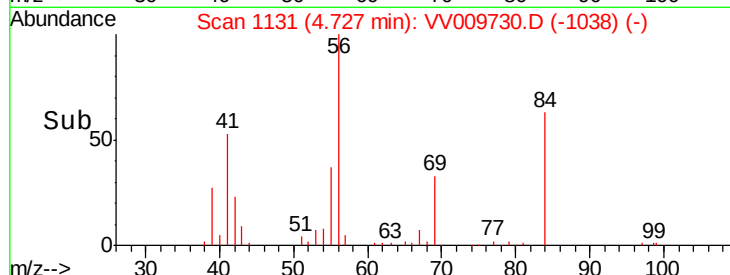
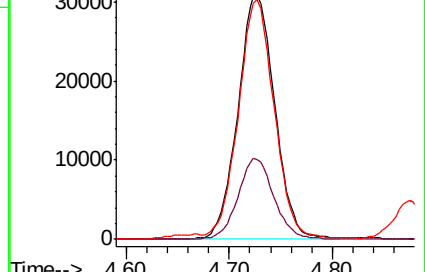
84 94.7 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV009730.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009730.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009730.D (-1111) (-)



#30

1,1,1-Trichloroethane

Concen: 52.125 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

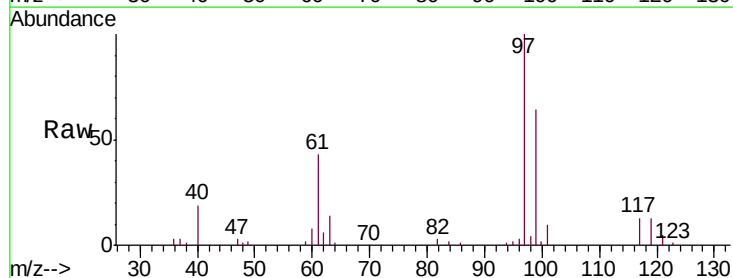
Tgt Ion: 97 Resp: 78344

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

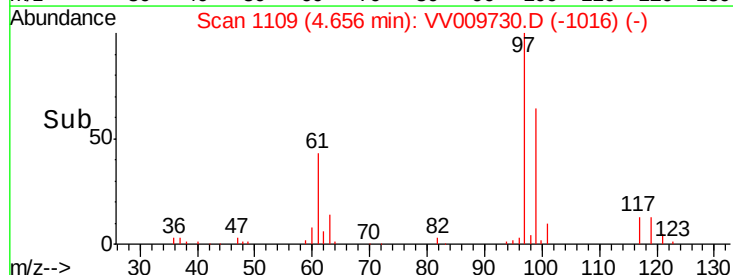
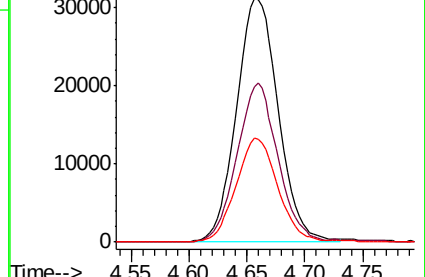
61 42.4 33.9 50.9

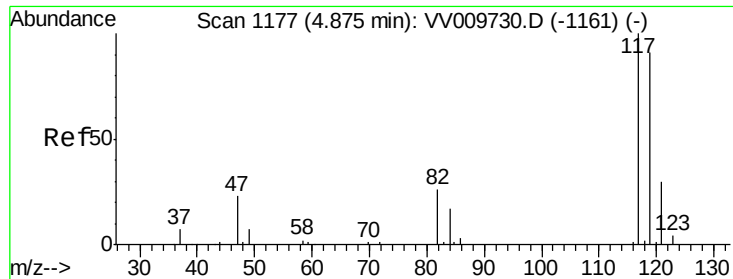


Abundance Ion 97.00 (96.70 to 97.70): VV009730.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009730.D (-1092) (-)

Ion 61.05 (60.75 to 61.75): VV009730.D (-1092) (-)





#31

Carbon tetrachloride

Concen: 52.617 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

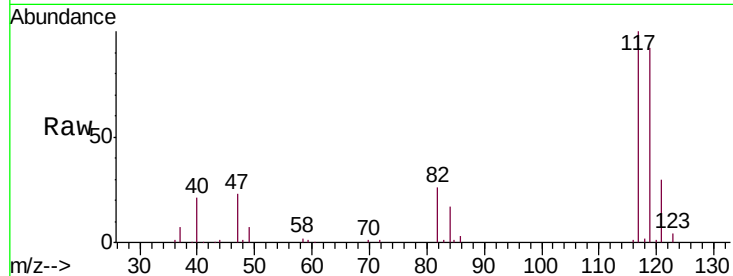
VSTD05064

Tgt Ion:117 Resp: 66508

Ion Ratio Lower Upper

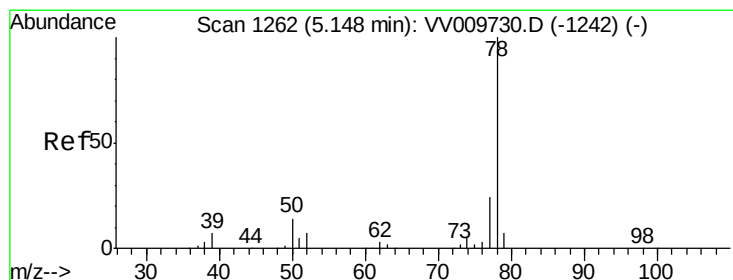
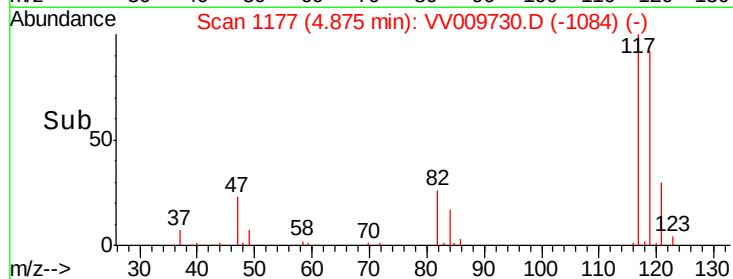
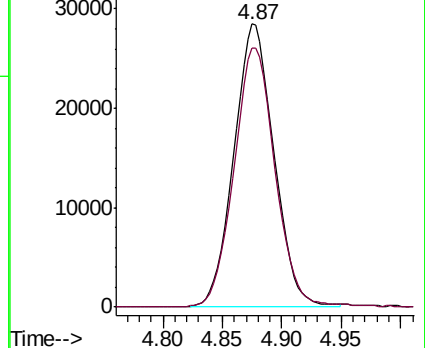
117 100

119 93.6 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 54.309 ug/L

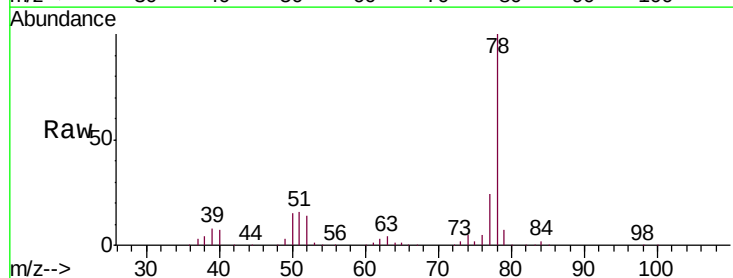
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

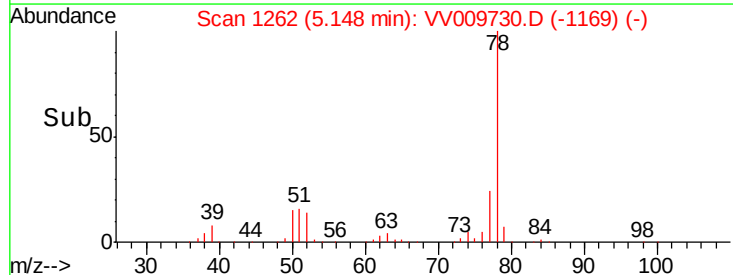
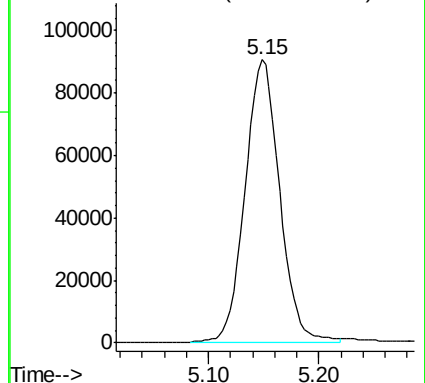
Lab File: VV009730.D

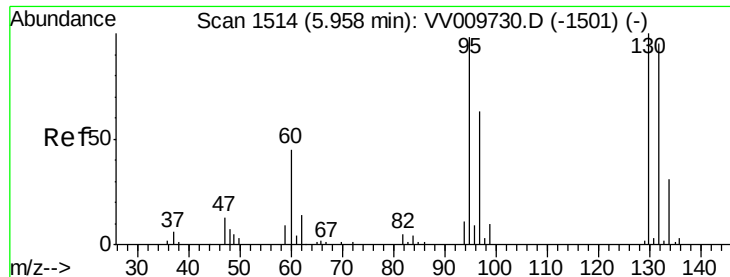
Acq: 16 Mar 2019 15:13

Tgt Ion: 78 Resp: 196995



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 53.778 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

Tgt Ion: 95 Resp: 52162

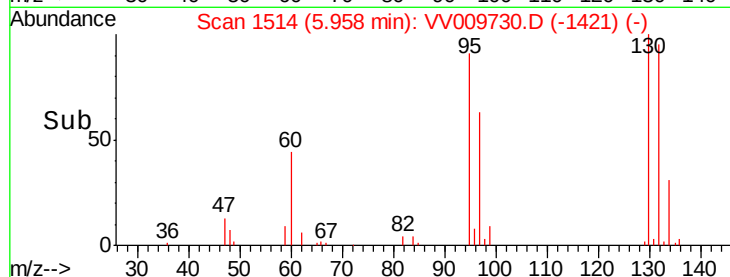
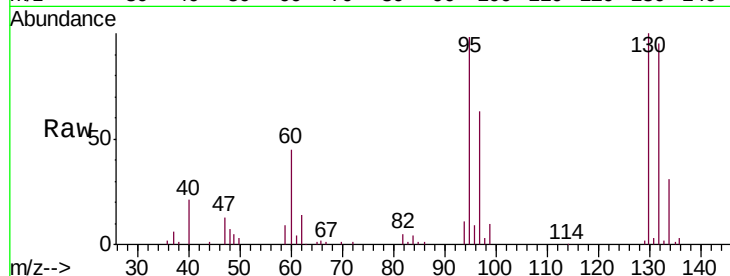
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 97.1 68.0 126.2

130 101.8 71.3 132.3



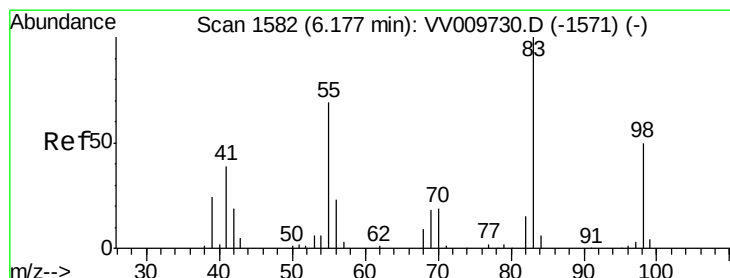
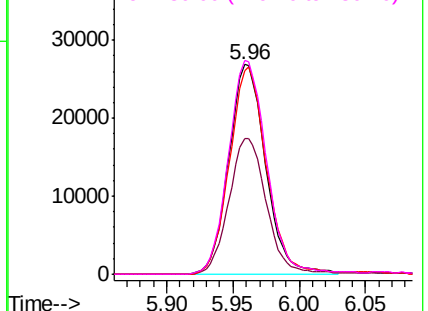
Abundance

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): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 54.584 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

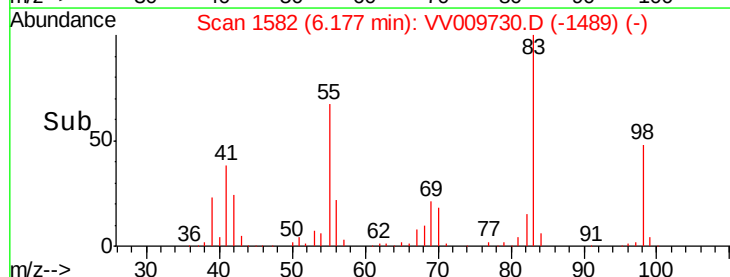
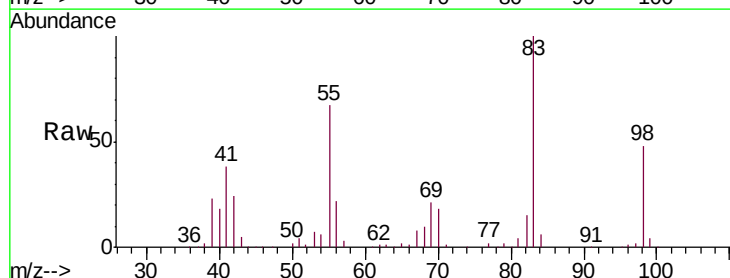
Tgt Ion: 83 Resp: 86370

Ion Ratio Lower Upper

83 100

55 67.8 54.2 81.4

98 48.0 38.4 57.6

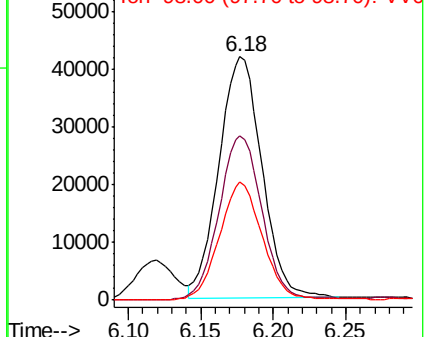


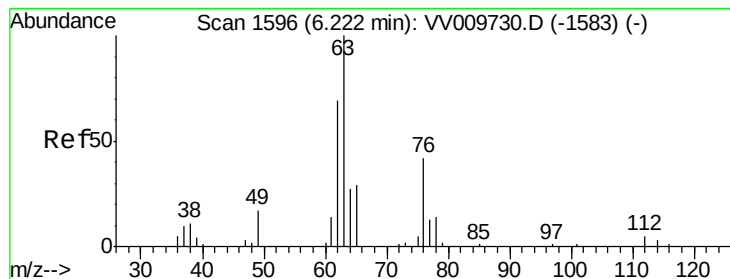
Abundance

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





#37

1,2-Dichloropropane

Concen: 53.562 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

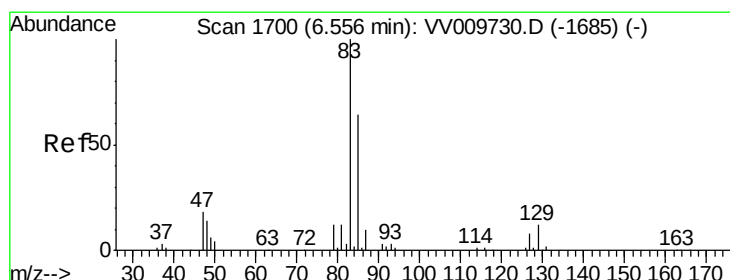
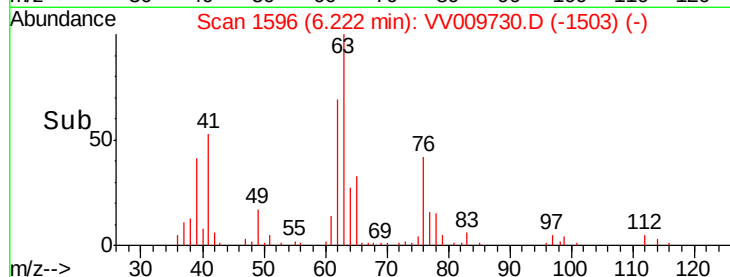
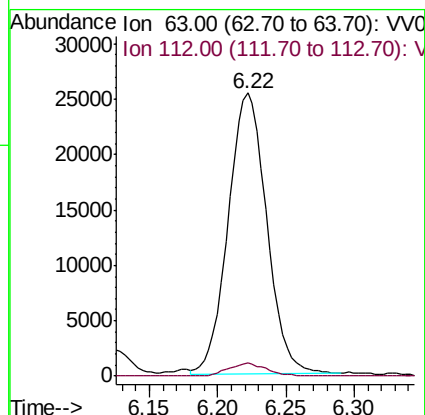
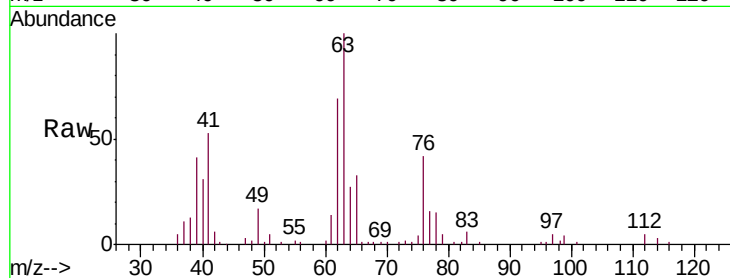
VSTD05064

Tgt Ion: 63 Resp: 49700

Ion Ratio Lower Upper

63 100

112 4.5 3.6 5.4



#38

Bromodichloromethane

Concen: 52.089 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

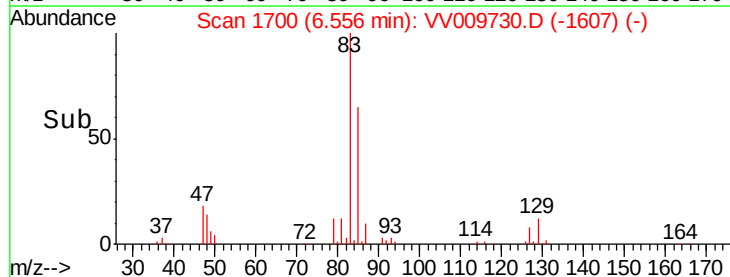
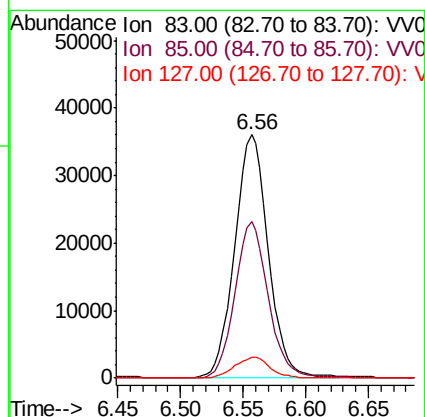
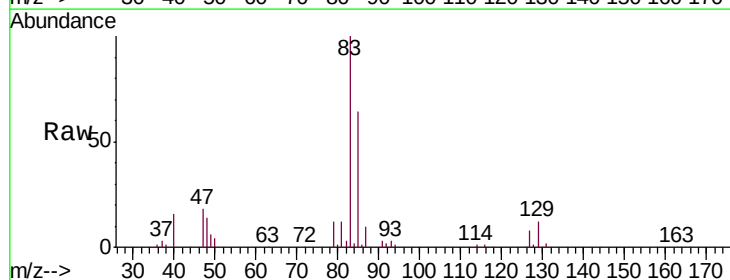
Tgt Ion: 83 Resp: 67286

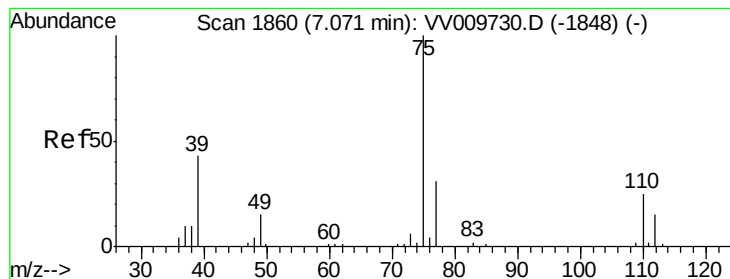
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

127 8.4 6.7 10.1



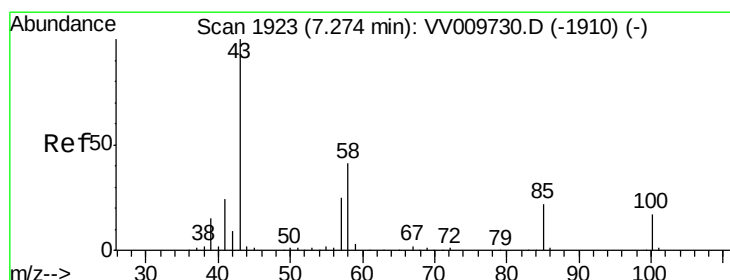
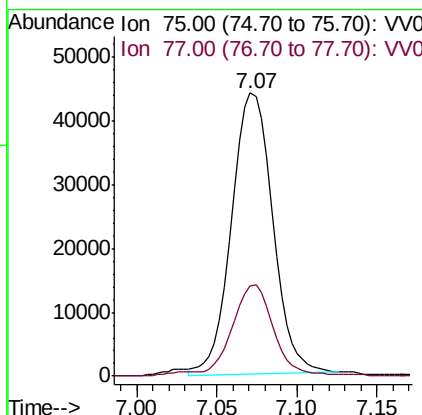
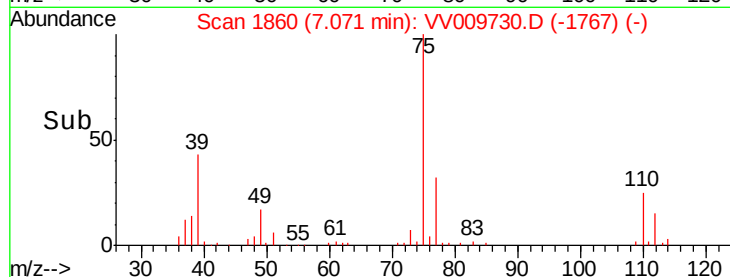
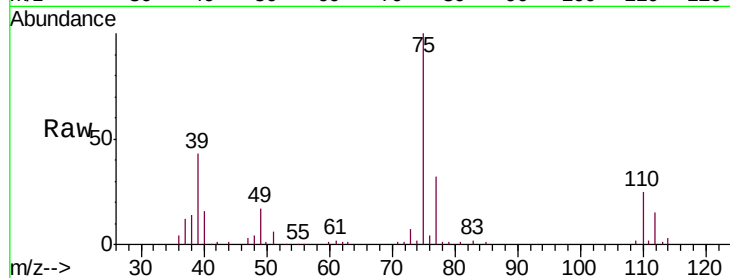


#39

cis-1,3-Dichloropropene
Concen: 52.723 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

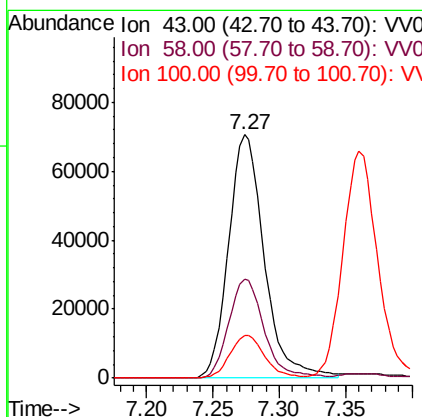
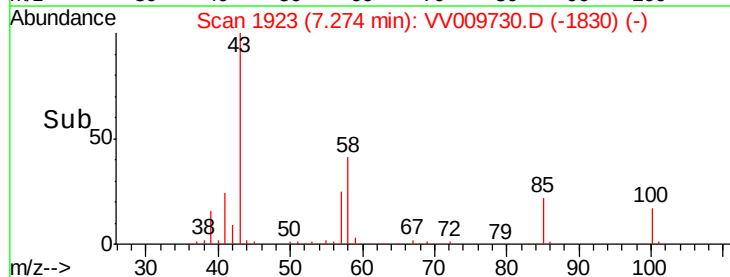
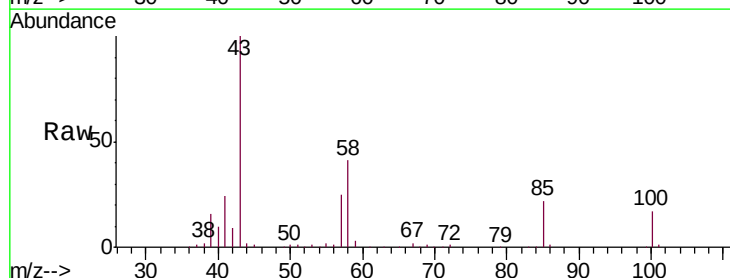
Tgt Ion: 75 Resp: 77353
Ion Ratio Lower Upper
75 100
77 32.0 22.4 41.6

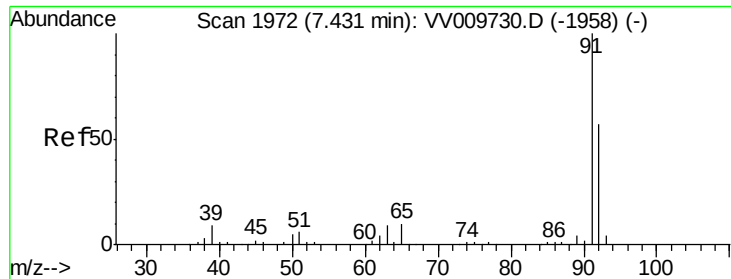


#40

4-Methyl-2-pentanone
Concen: 106.707 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion: 43 Resp: 132126
Ion Ratio Lower Upper
43 100
58 40.4 32.3 48.5
100 17.1 13.7 20.5





#42

Toluene

Concen: 54.598 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

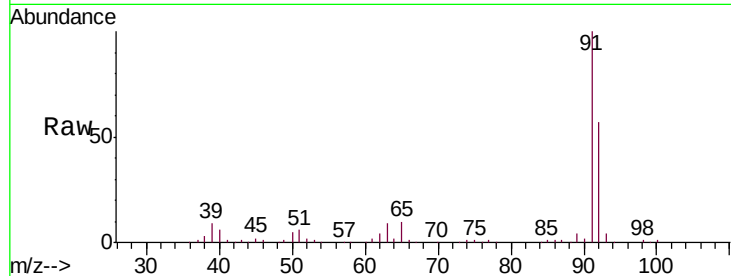
VSTD05064

Tgt Ion: 91 Resp: 225366

Ion Ratio Lower Upper

91 100

92 57.0 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009730.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009730.D (-1958) (-)

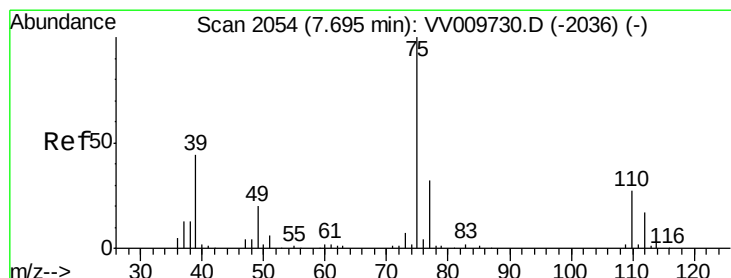
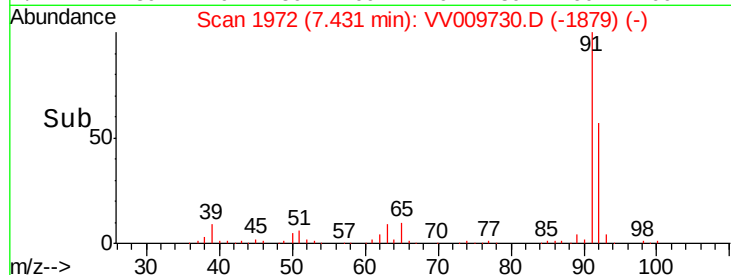
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.289 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009730.D

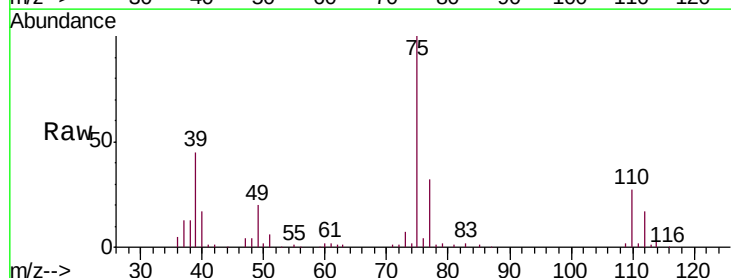
Acq: 16 Mar 2019 15:13

Tgt Ion: 75 Resp: 74004

Ion Ratio Lower Upper

75 100

77 32.1 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009730.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009730.D (-2036) (-)

7.69

50000

40000

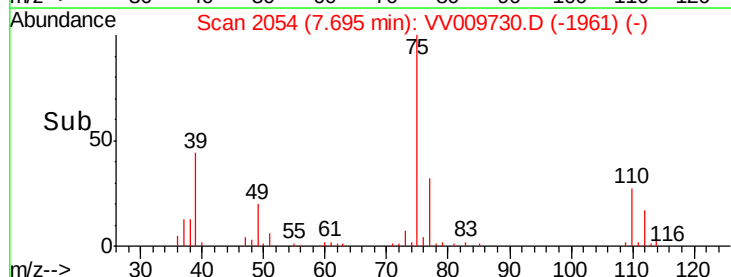
30000

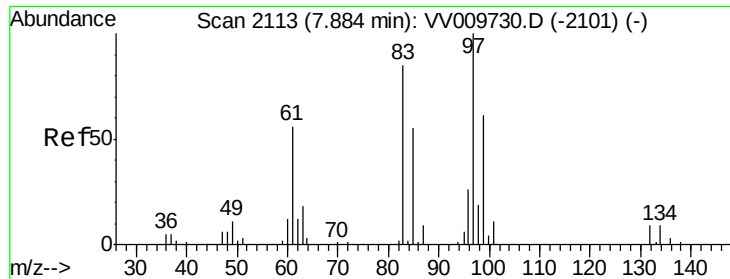
20000

10000

0

Time-->

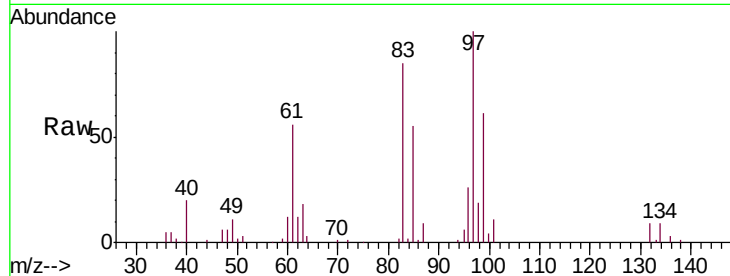




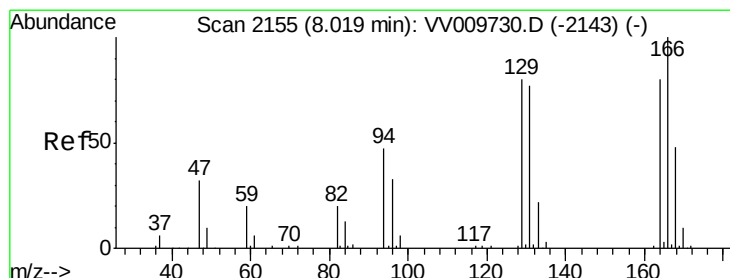
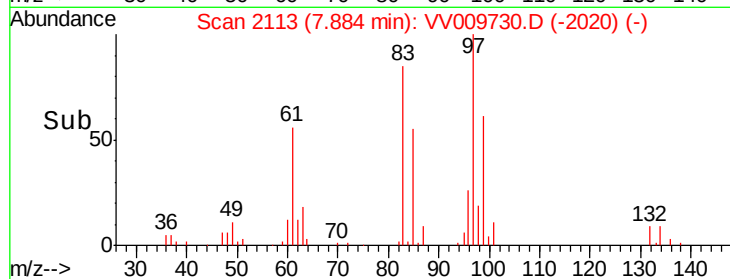
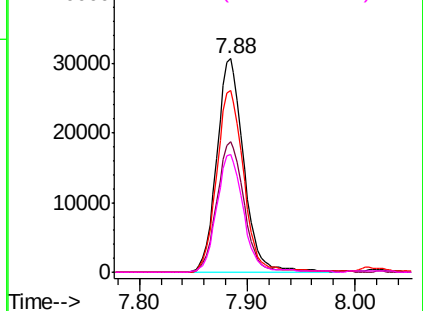
#45
1,1,2-Trichloroethane
Concen: 55.418 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion:	97	Resp:	53308
Ion	Ratio	Lower	Upper
97	100		
99	61.2	42.8	79.6
83	85.3	59.7	110.9
85	55.3	38.7	71.9

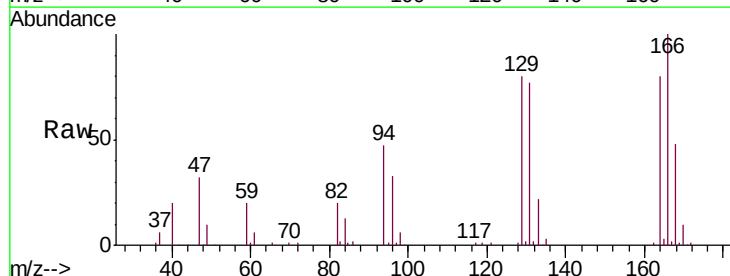


Abundance Ion 97.00 (96.70 to 97.70): VV009730.D (-2101) (-)

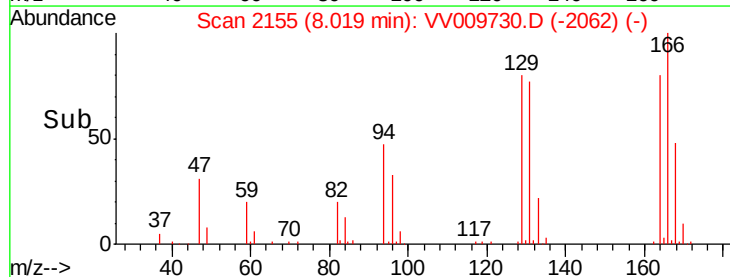
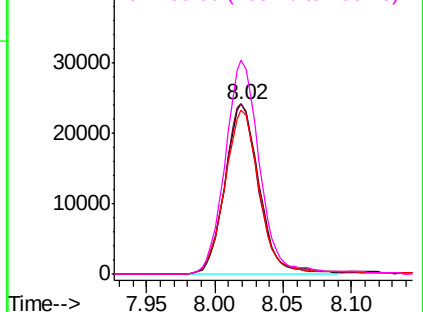


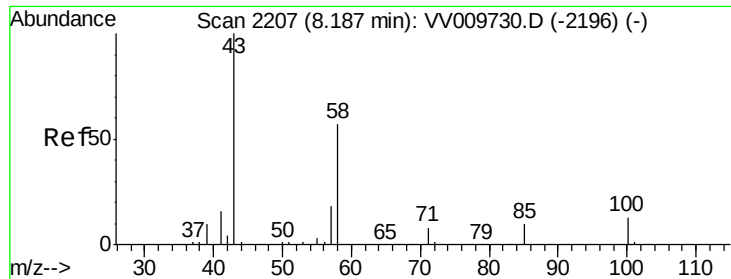
#46
Tetrachloroethene
Concen: 54.857 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion:	164	Resp:	42172
Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.0	130.0
131	96.5	67.5	125.4
166	125.7	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): VV009730.D (-2143) (-)

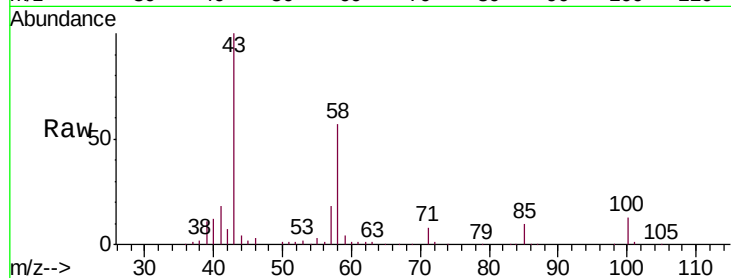




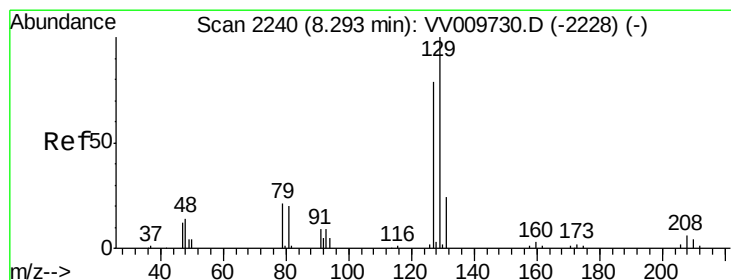
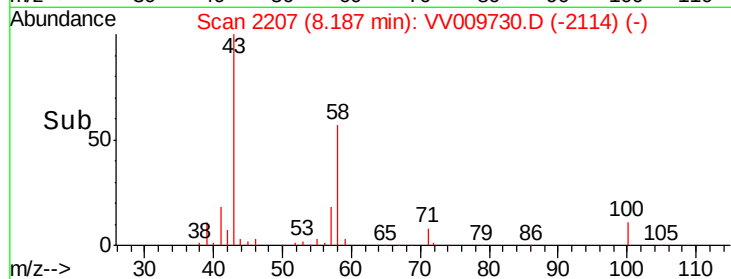
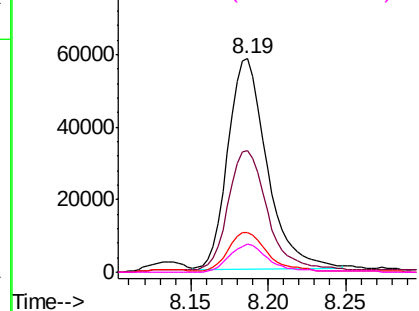
#48
2-Hexanone
Concen: 104.629 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion: 43 Resp: 102069
Ion Ratio Lower Upper
43 100
58 57.5 46.0 69.0
57 18.5 14.8 22.2
100 13.5 10.8 16.2

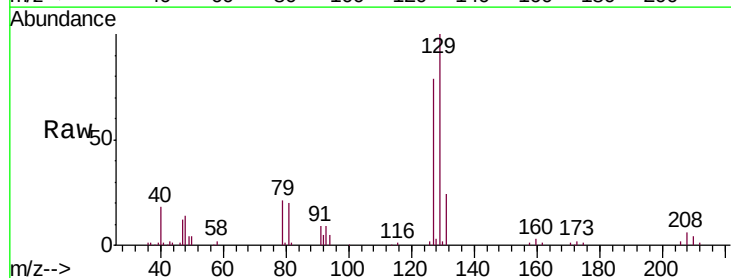


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

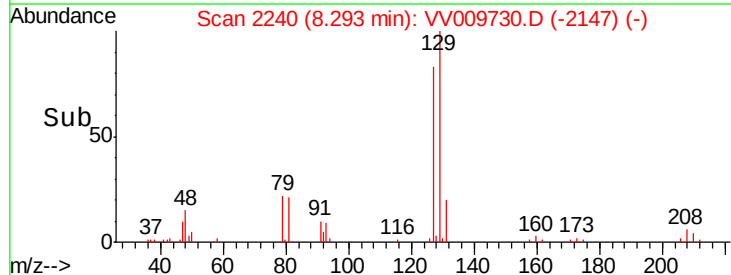
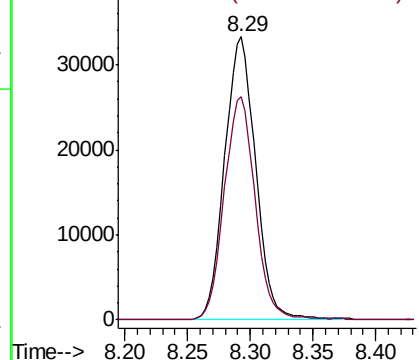


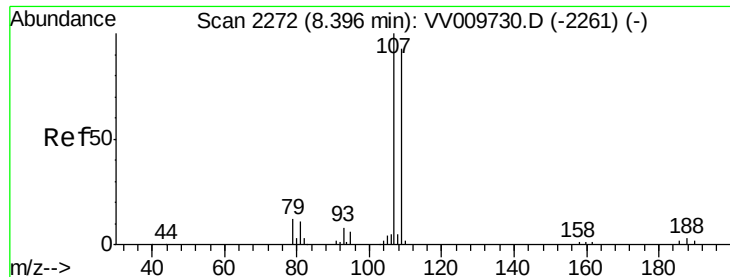
#49
Dibromochloromethane
Concen: 54.132 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion: 129 Resp: 57220
Ion Ratio Lower Upper
129 100
127 78.8 55.2 102.4



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

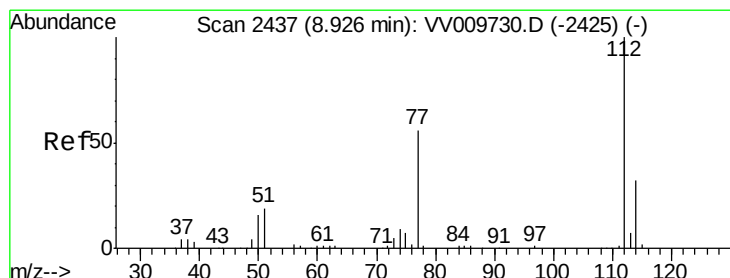
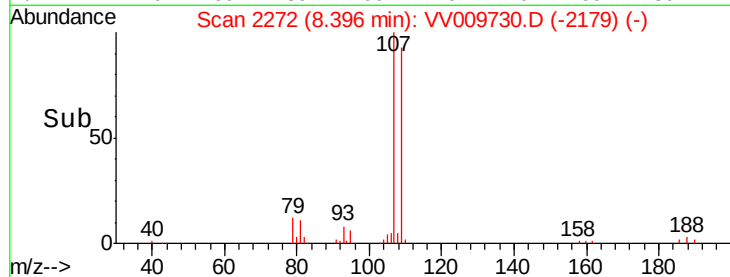
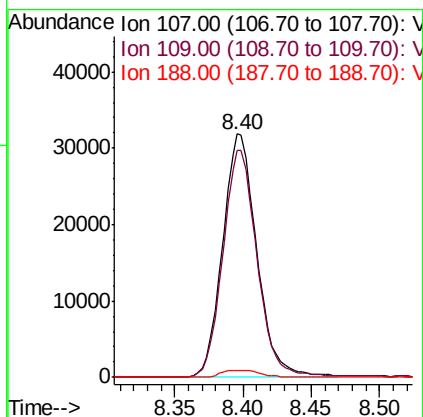
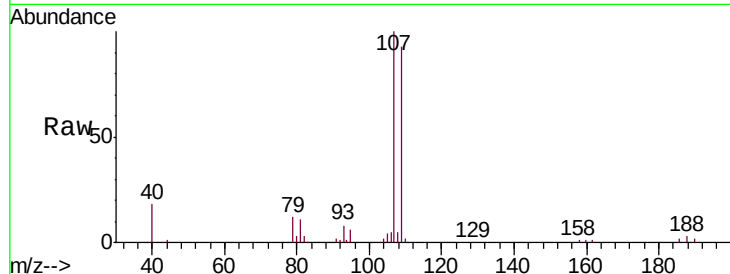




#50
 1,2-Dibromoethane
 Concen: 54.886 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

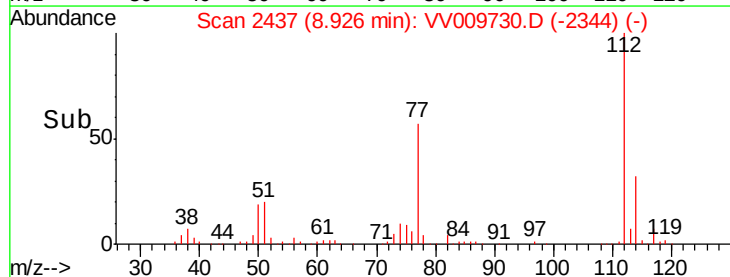
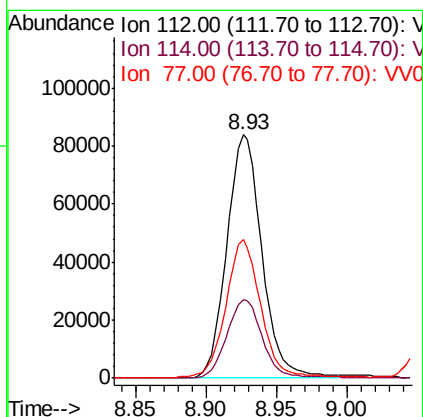
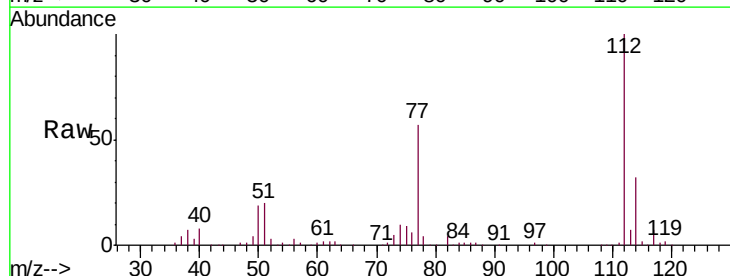
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

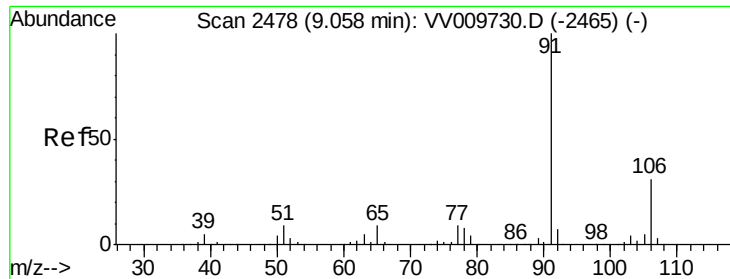
Tgt Ion:107 Resp: 55521
 Ion Ratio Lower Upper
 107 100
 109 93.3 65.3 121.3
 188 2.8 2.2 3.4



#51
 Chlorobenzene
 Concen: 52.922 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

Tgt Ion:112 Resp: 145958
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.5 41.9
 77 56.8 45.4 68.2





#52

Ethylbenzene

Concen: 53.700 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

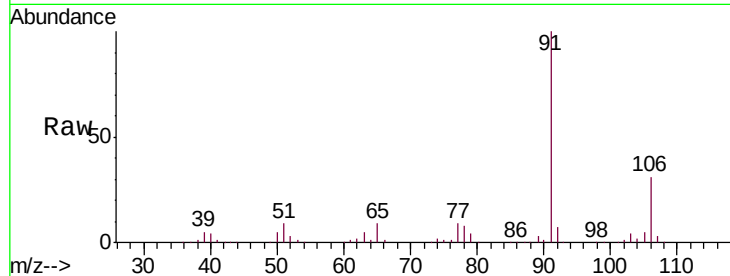
VSTD05064

Tgt Ion: 91 Resp: 250993

Ion Ratio Lower Upper

91 100

106 31.1 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009730.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV009730.D (-2465) (-)

9.06

150000

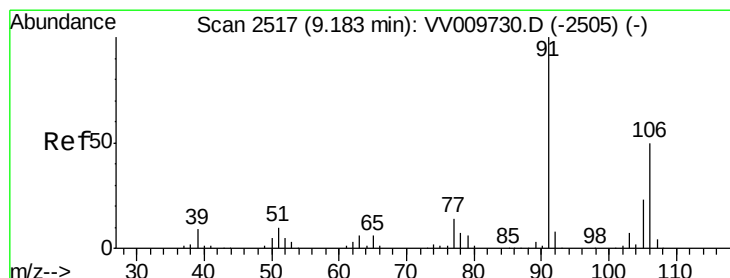
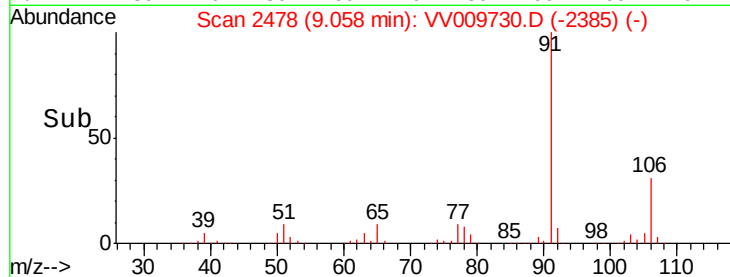
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#53

m,p-Xylene

Concen: 54.231 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009730.D

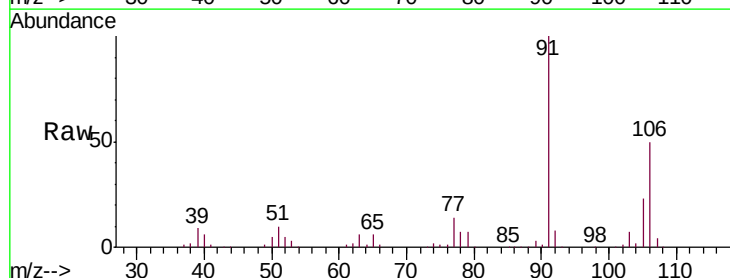
Acq: 16 Mar 2019 15:13

Tgt Ion: 106 Resp: 97174

Ion Ratio Lower Upper

106 100

91 201.6 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009730.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VV009730.D (-2505) (-)

9.18

120000

100000

80000

60000

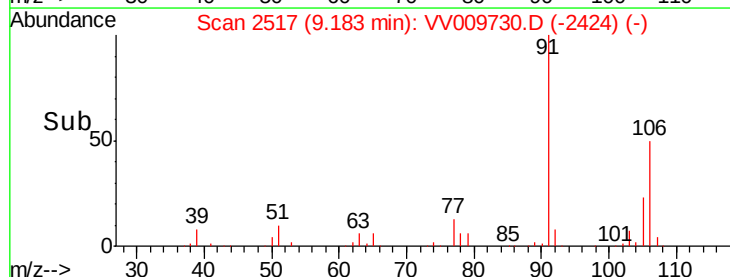
40000

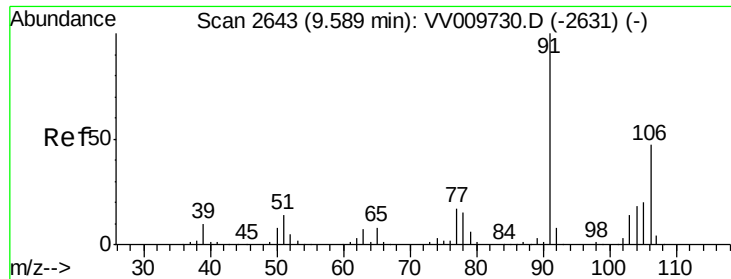
20000

0

9.10 9.20 9.30

Time-->

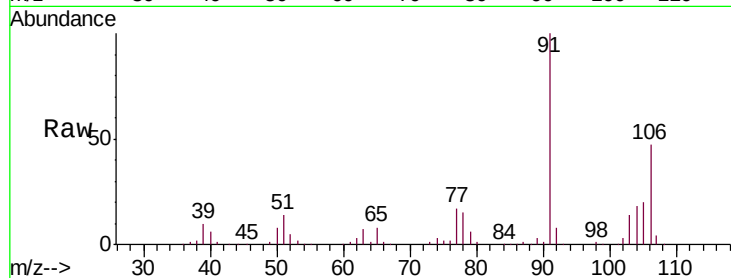




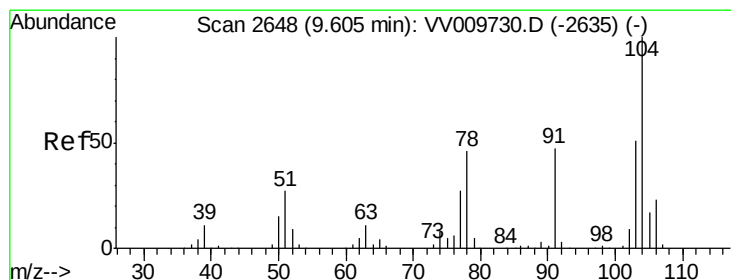
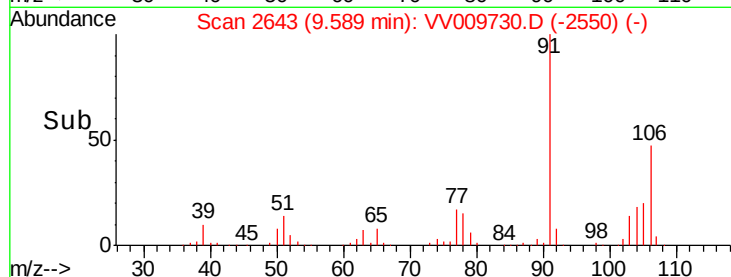
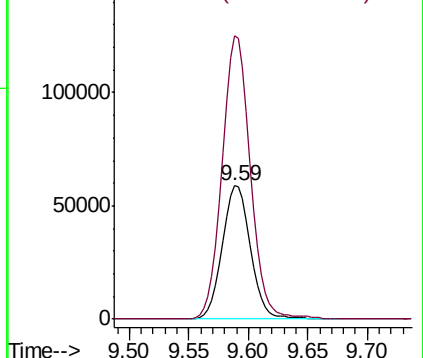
#54
o-Xylene
Concen: 53.824 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD05064

Tgt Ion:106 Resp: 97199
Ion Ratio Lower Upper
106 100
91 211.9 148.3 275.5

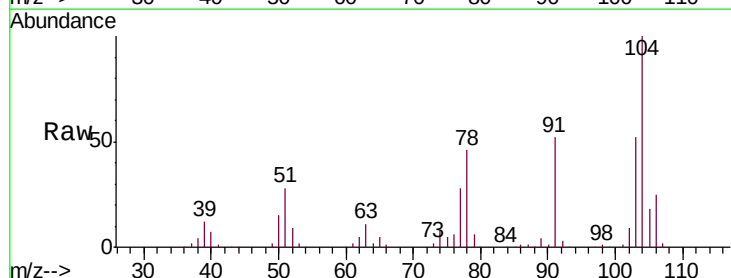


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

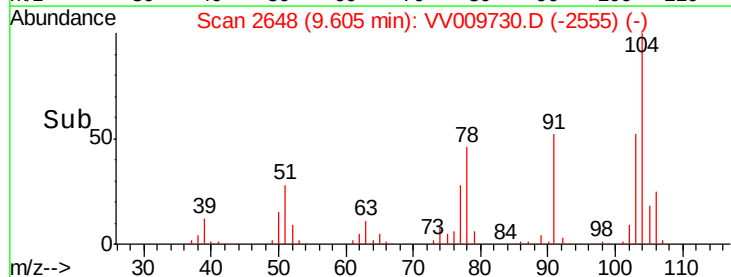
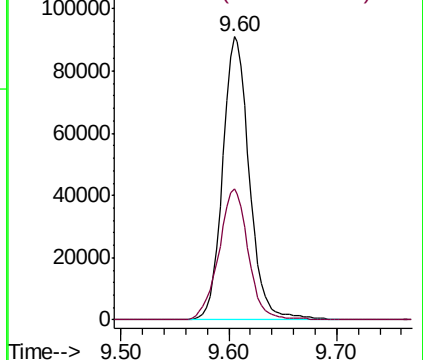


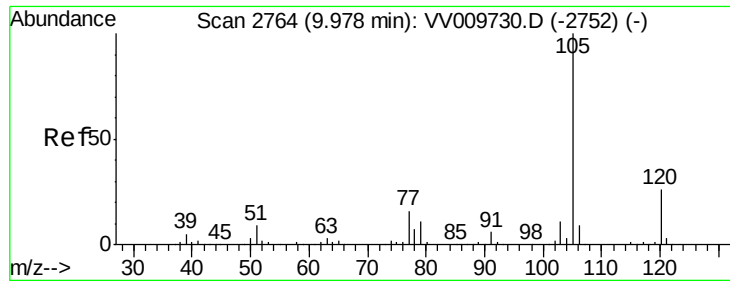
#55
Styrene
Concen: 53.796 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009730.D
Acq: 16 Mar 2019 15:13

Tgt Ion:104 Resp: 156674
Ion Ratio Lower Upper
104 100
78 46.4 32.5 60.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 53.554 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

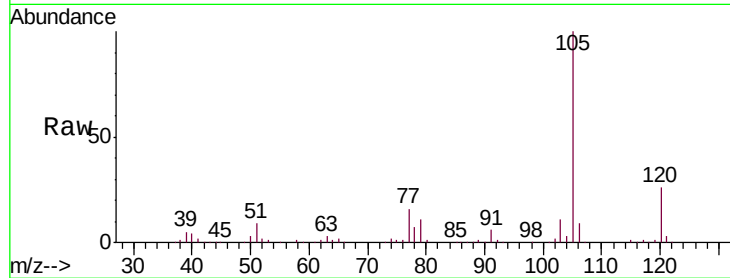
Tgt Ion: 105 Resp: 251366

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

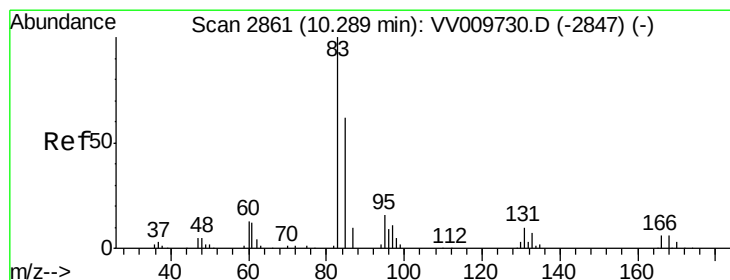
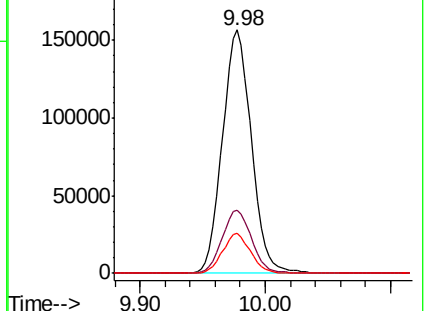
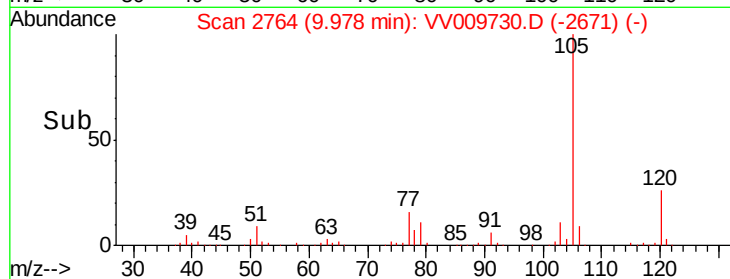
77 15.9 12.7 19.1



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: 53.102 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

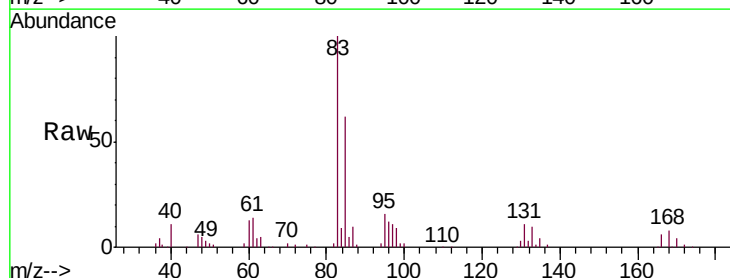
Tgt Ion: 83 Resp: 88864

Ion Ratio Lower Upper

83 100

85 62.2 43.5 80.9

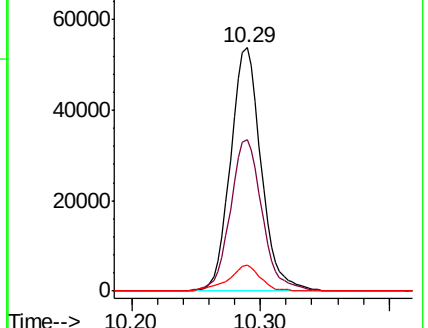
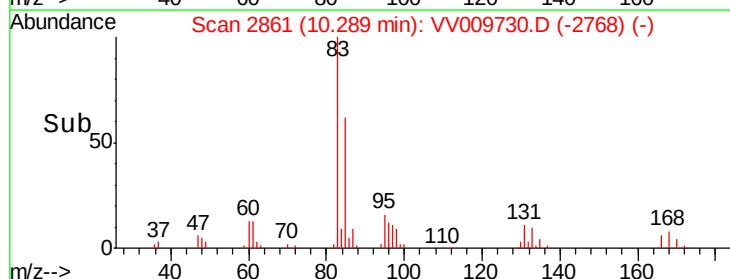
131 10.5 8.4 12.6

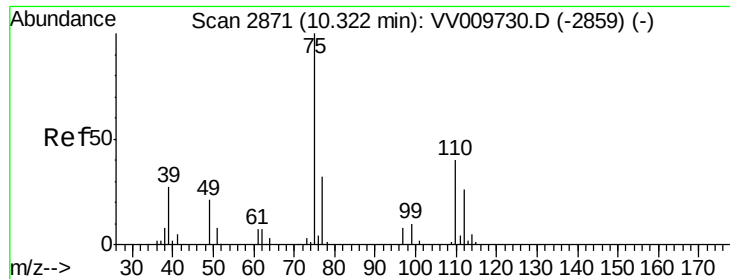


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

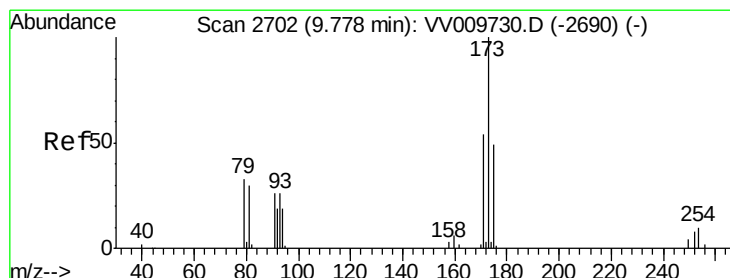
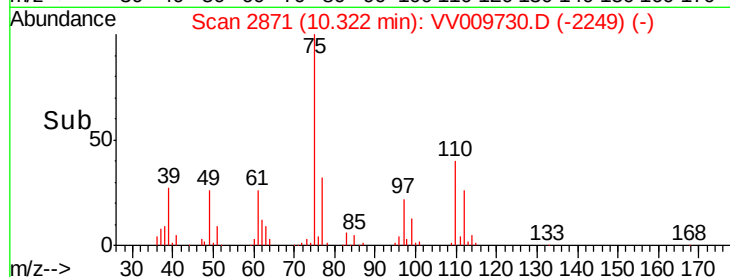
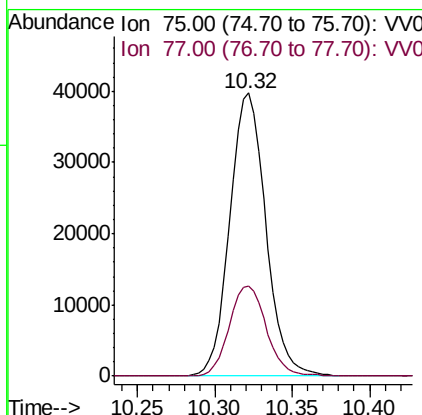
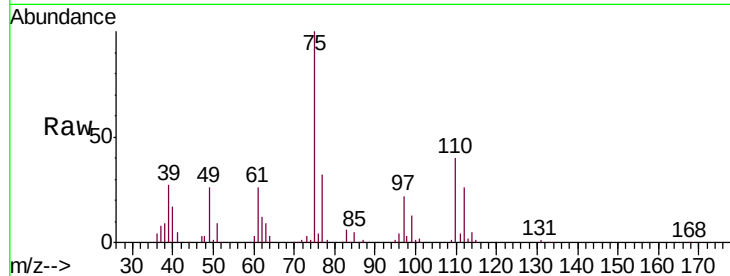




#59
 1,2,3-Trichloropropane
 Concen: 51.816 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

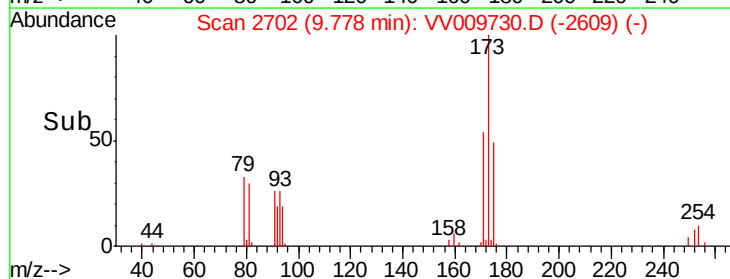
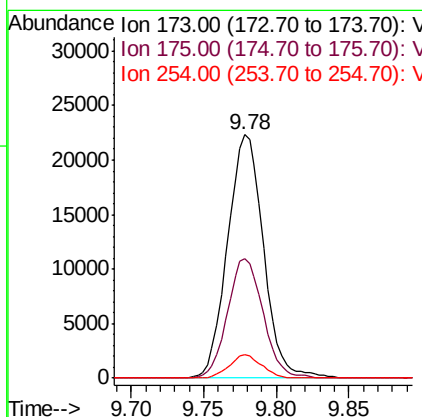
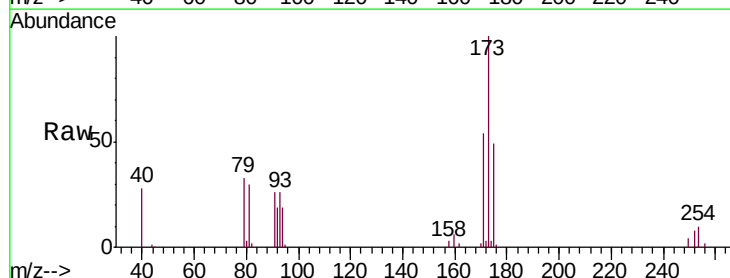
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

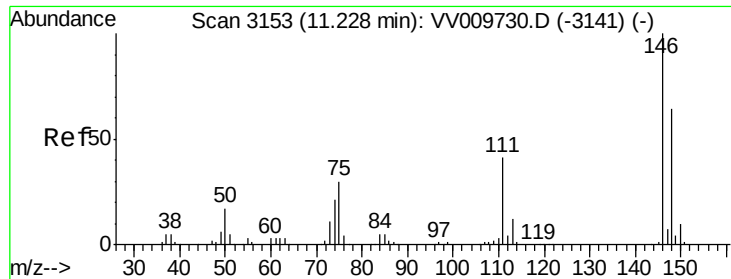
Tgt Ion: 75 Resp: 64250
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.4



#61
 Bromoform
 Concen: 50.919 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

Tgt Ion: 173 Resp: 38381
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.6 58.0
 254 8.5 6.8 10.2

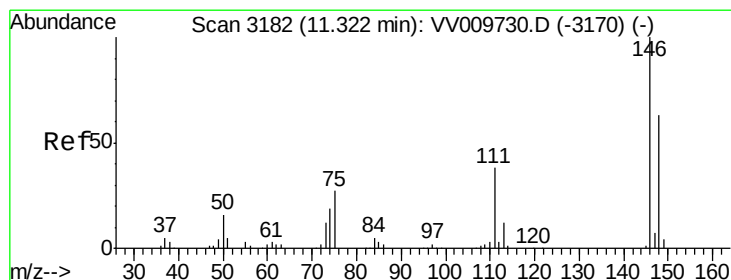
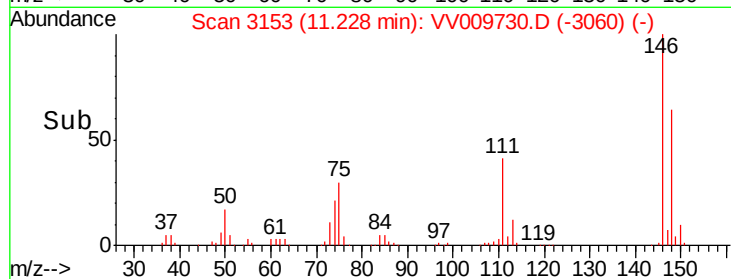
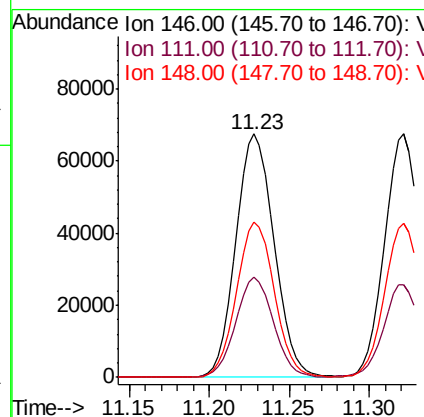
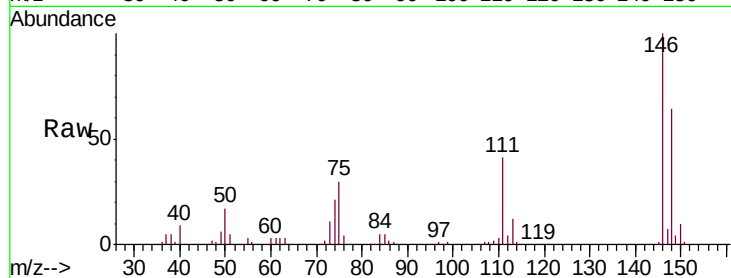




#62
 1,3-Dichlorobenzene
 Concen: 53.769 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

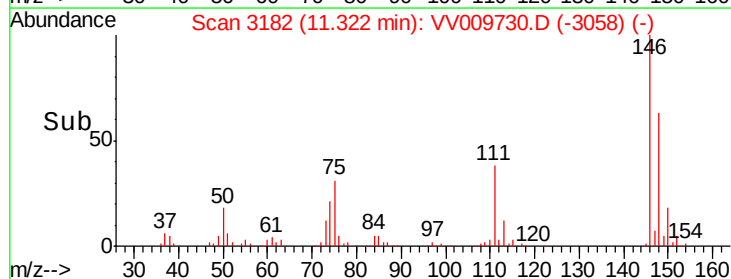
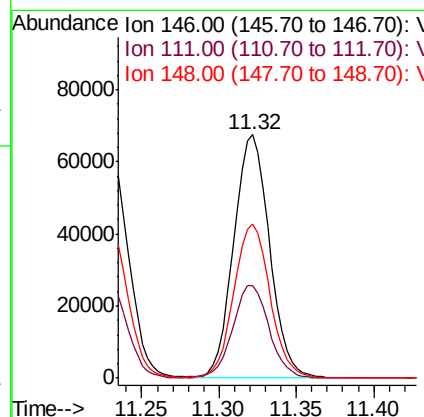
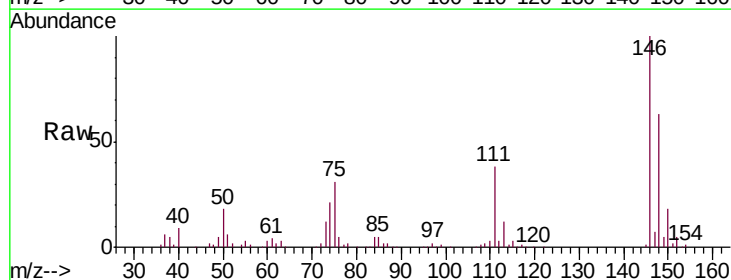
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

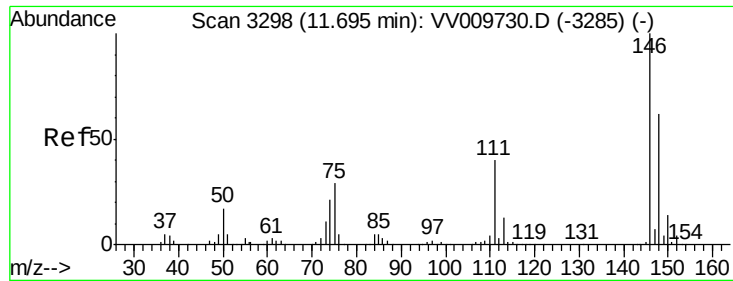
Tgt Ion:146 Resp: 110389
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.8 53.4
 148 64.0 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 53.363 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

Tgt Ion:146 Resp: 108069
 Ion Ratio Lower Upper
 146 100
 111 38.1 26.7 49.5
 148 63.3 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 53.776 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

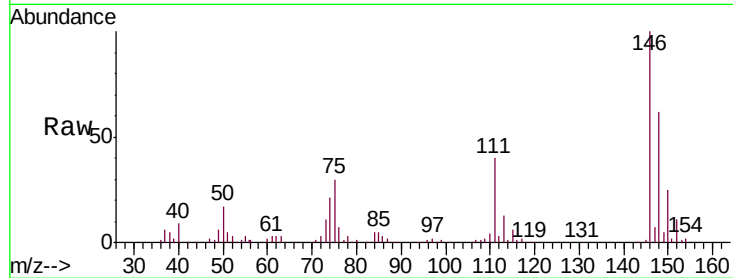
Tgt Ion:146 Resp: 112868

Ion Ratio Lower Upper

146 100

111 40.3 32.2 48.4

148 62.0 49.6 74.4

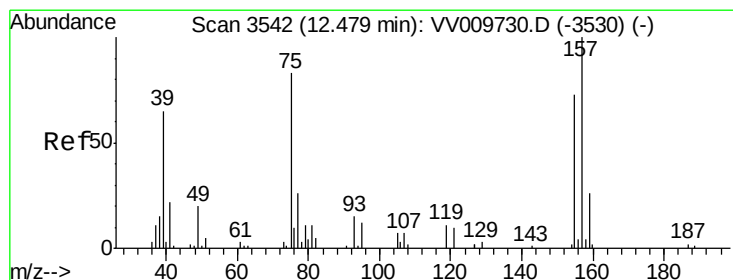
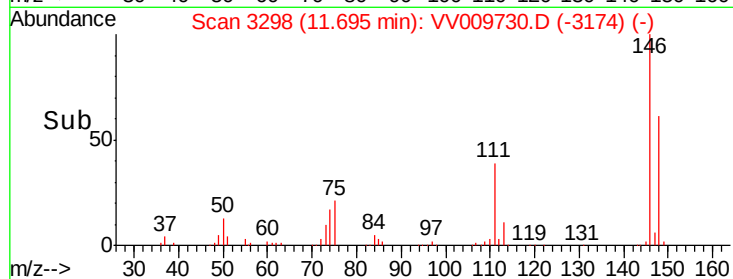
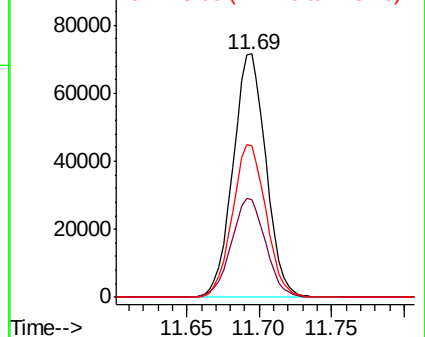


Abundance

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



#66

1,2-Dibromo-3-chloropropane

Concen: 50.014 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

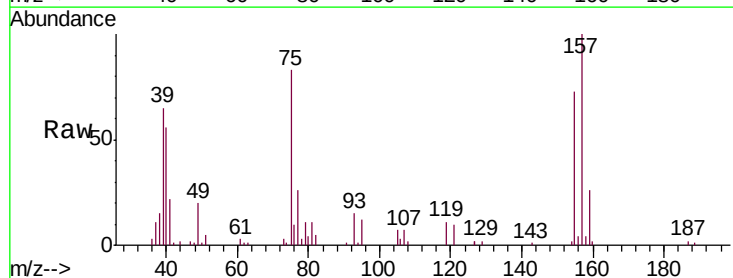
Tgt Ion: 75 Resp: 15663

Ion Ratio Lower Upper

75 100

155 87.9 70.3 105.5

157 121.0 96.8 145.2

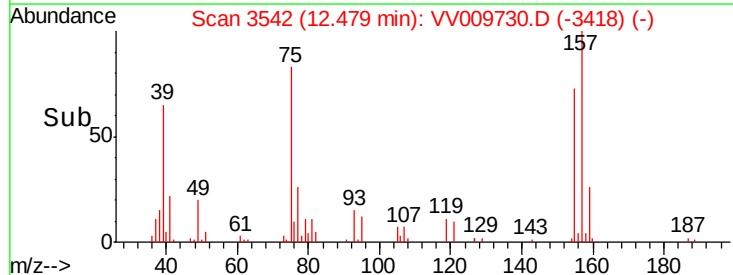
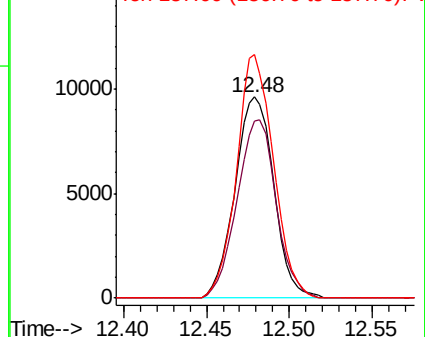


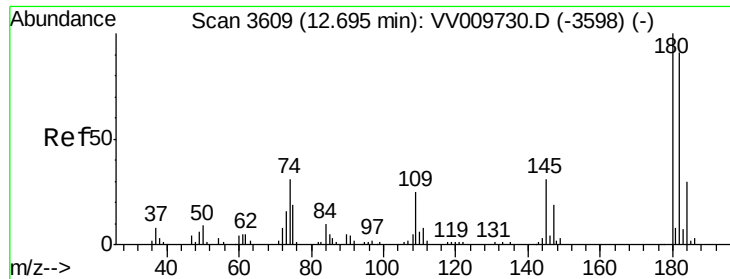
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

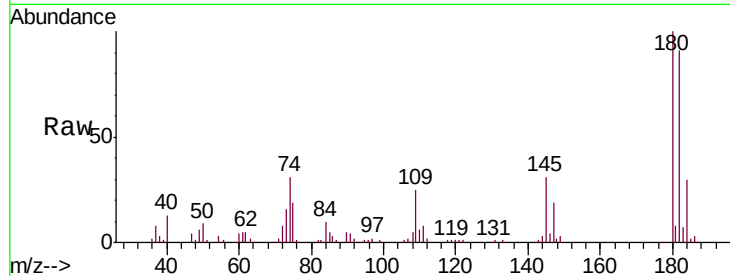




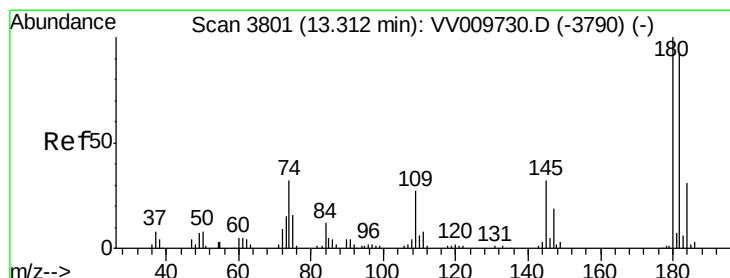
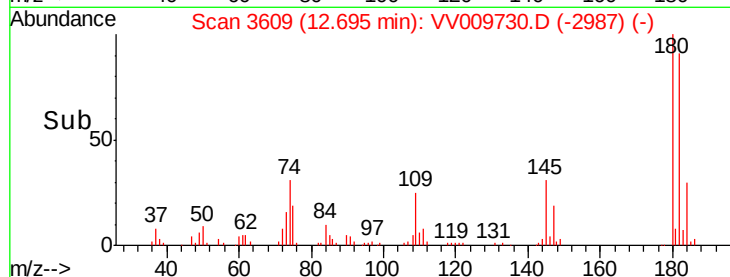
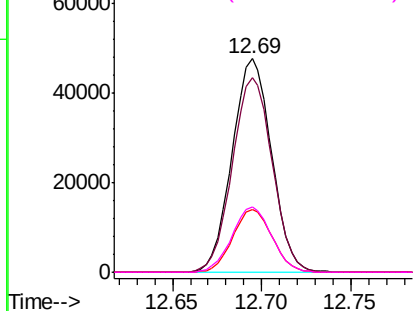
#67
 1,3,5-Trichlorobenzene
 Concen: 54.888 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05064

Tgt Ion:180 Resp: 73174
 Ion Ratio Lower Upper
 180 100
 182 92.4 73.9 110.9
 184 29.3 23.4 35.2
 145 30.8 24.6 37.0

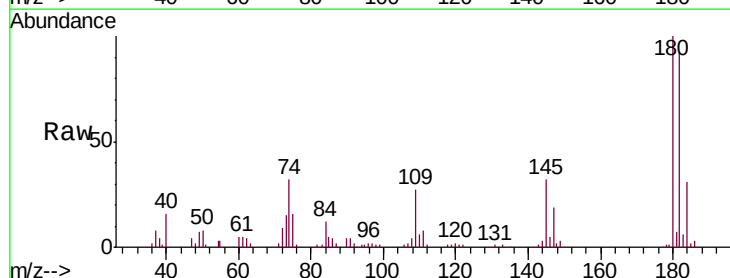


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

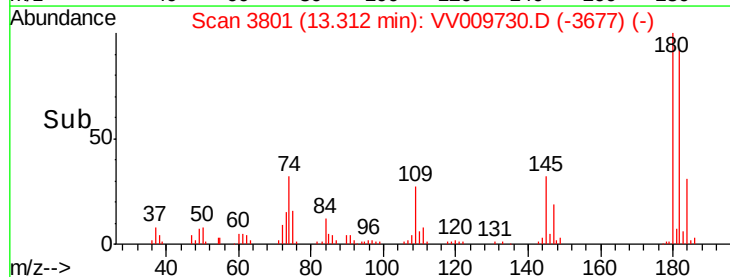
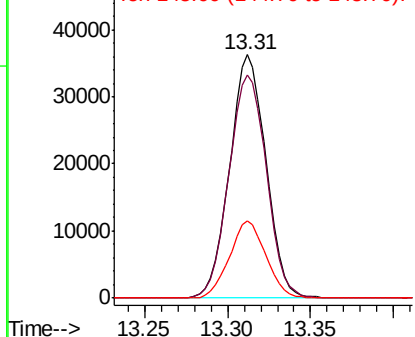


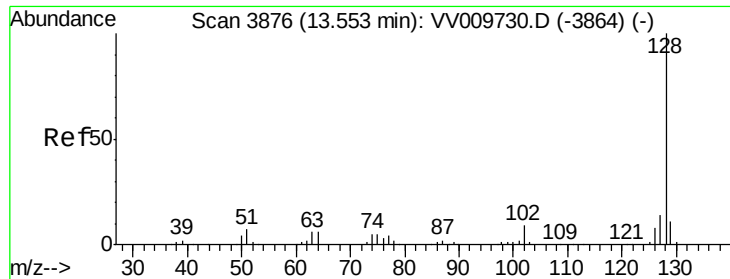
#68
 1,2,4-trichlorobenzene
 Concen: 59.116 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009730.D
 Acq: 16 Mar 2019 15:13

Tgt Ion:180 Resp: 55232
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.7 113.5
 145 31.6 25.3 37.9



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





#69

Naphthalene

Concen: 57.251 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD05064

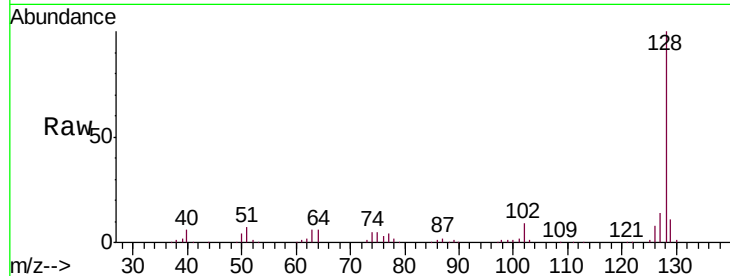
Tgt Ion:128 Resp: 148856

Ion Ratio Lower Upper

128 100

127 13.5 10.8 16.2

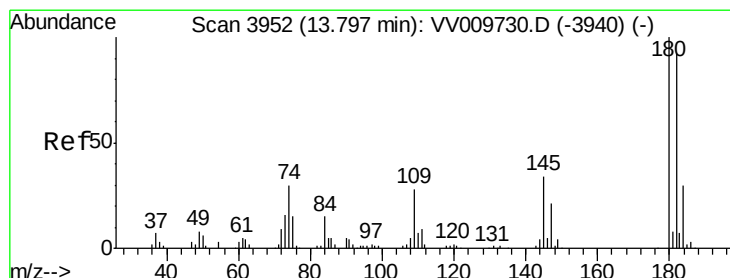
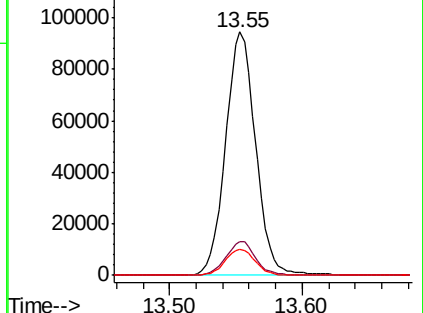
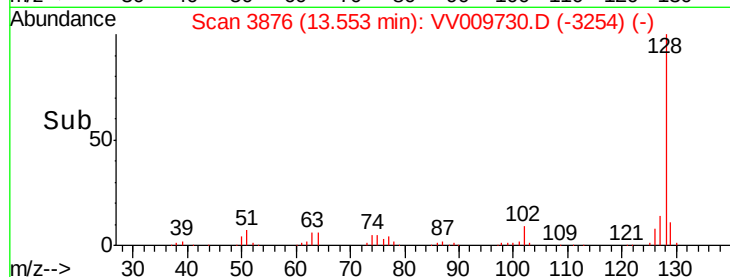
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 58.475 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009730.D

Acq: 16 Mar 2019 15:13

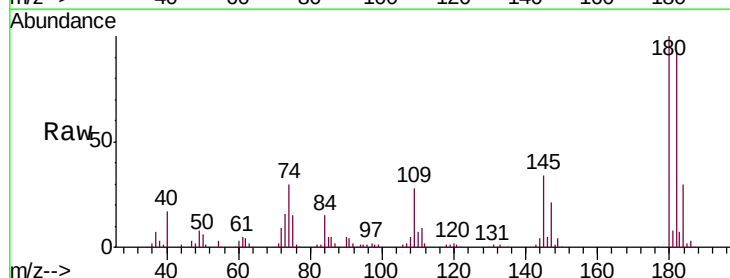
Tgt Ion:180 Resp: 56700

Ion Ratio Lower Upper

180 100

182 91.6 73.3 109.9

145 33.0 26.4 39.6



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

