

Data File : VV009731.D
Acq On : 16 Mar 2019 15:38
Operator : SY/MD
Sample : VSTD10065
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Quant Time: Mar 18 07:24:41 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	143487	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145345	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71826	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100173	116.72	ug/L	0.00
7) Chloroethane-d5	1.55	69	72371	87.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	214186	98.41	ug/L	0.00
21) 2-Butanone-d5	3.93	46	126353	206.10	ug/L	0.00
24) Chloroform-d	4.40	84	188012	103.95	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	112549	95.67	ug/L	0.00
32) Benzene-d6	5.10	84	392751	104.88	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	116412	104.60	ug/L	0.00
41) Toluene-d8	7.36	98	373455	102.25	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	59942	105.45	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	102974	212.41	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	186370	105.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	148885	100.46	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	111956	118.090	ug/L	100
3) Chloromethane	1.25	50	103564	115.535	ug/L	98
5) Vinyl chloride	1.32	62	114580	119.662	ug/L	100
6) Bromomethane	1.51	94	57597	77.504	ug/L	100
8) Chloroethane	1.57	64	66315	94.247	ug/L	95
9) Trichlorofluoromethane	1.75	101	192072	100.018	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	104232	97.731	ug/L	99
12) 1,1-Dichloroethene	2.13	96	91839	100.555	ug/L	93
13) Acetone	2.19	43	122482	185.461	ug/L	100
14) Carbon disulfide	2.31	76	273312	115.631	ug/L	99
15) Methyl Acetate	2.46	43	96355	110.888	ug/L	99
16) Methylene chloride	2.53	84	105996	114.100	ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	99058	113.865	ug/L	97
18) Methyl tert-butyl Ether	2.80	73	313137	113.092	ug/L	100
19) 1,1-Dichloroethane	3.23	63	171367	108.313	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	114046	113.051	ug/L	93
22) 2-Butanone	4.02	43	156807	218.161	ug/L	100
23) Bromochloromethane	4.30	128	58053	114.516	ug/L	96
25) Chloroform	4.42	83	189733	106.964	ug/L	97
27) 1,2-Dichloroethane	5.18	62	143085	104.541	ug/L	98
29) Cyclohexane	4.72	56	163891	113.314	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	168511	109.291	ug/L	99
31) Carbon tetrachloride	4.87	117	145752	112.405	ug/L	98
33) Benzene	5.15	78	419159	112.644	ug/L	100
34) Trichloroethene	5.96	95	110420	110.973	ug/L	99
35) Methylcyclohexane	6.18	83	186620	114.967	ug/L	99
37) 1,2-Dichloropropane	6.22	63	107551	112.988	ug/L	99
38) Bromodichloromethane	6.56	83	146562	110.602	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	174910	116.212	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	292385	230.186	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	466851	110.251	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	166902	119.353	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	109251	110.714	ug/L	99
46) Tetrachloroethene	8.02	164	87846	111.390	ug/L	98
48) 2-Hexanone	8.19	43	231143	230.970	ug/L	98
49) Dibromochloromethane	8.29	129	124726	115.023	ug/L	99
50) 1,2-Dibromoethane	8.40	107	117826	113.543	ug/L	99
51) Chlorobenzene	8.93	112	315093	111.370	ug/L	100
52) Ethylbenzene	9.06	91	546432	113.964	ug/L	100
53) m,p-Xylene	9.18	106	212672	115.699	ug/L	99
54) o-Xylene	9.59	106	211250	114.032	ug/L	99
55) Styrene	9.60	104	362893	121.465	ug/L	99
56) Isopropylbenzene	9.98	105	562121	116.744	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	196651	114.550	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	146440	115.124	ug/L	98
61) Bromoform	9.78	173	93564	114.316	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	248926	111.663	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	255336	116.115	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	250756	110.029	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	38290	112.600	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	169118	116.827	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	138835	136.851	ug/L	100
69) Naphthalene	13.55	128	411987	145.927	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	139957	132.927	ug/L	97

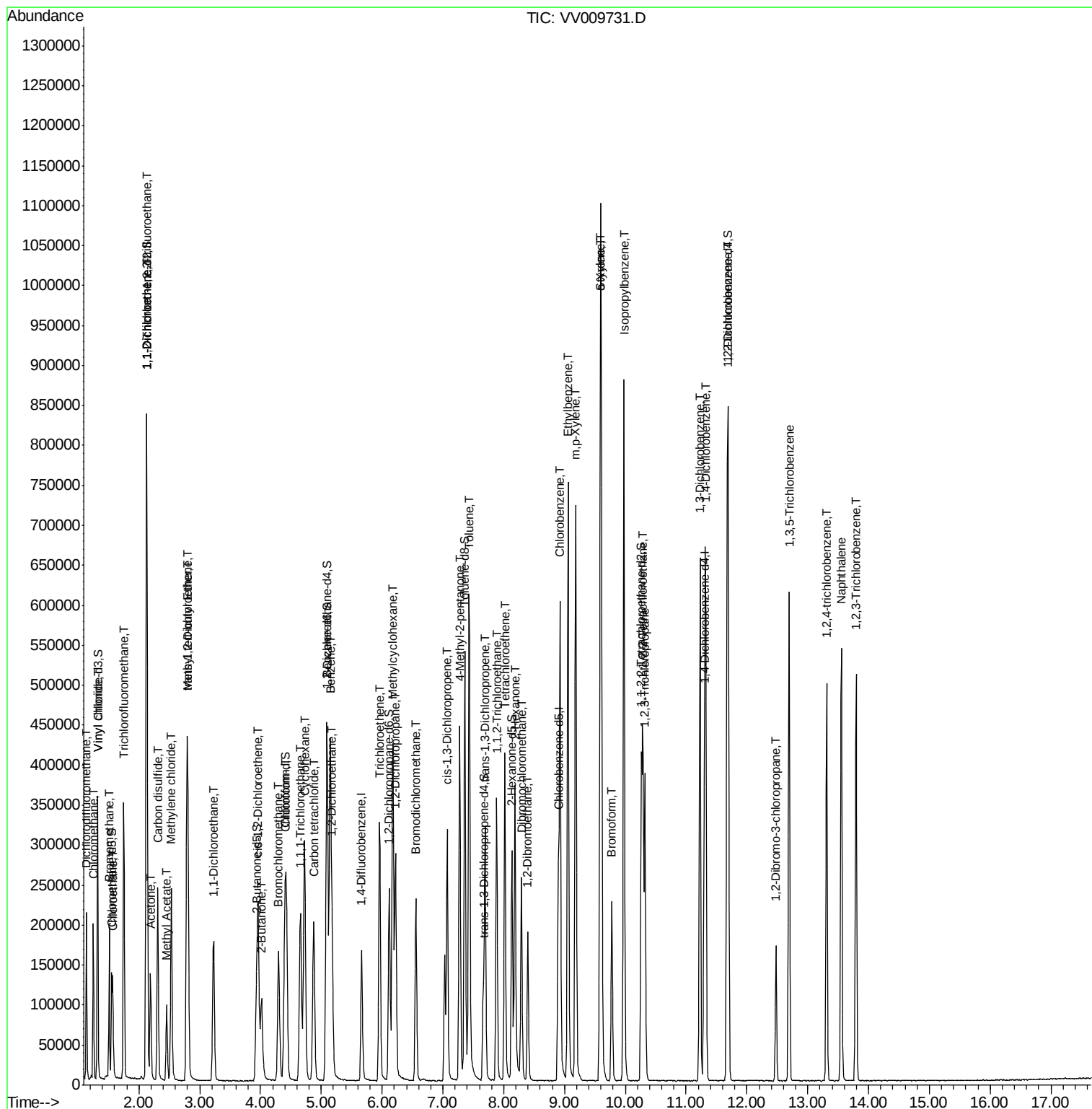
(#) = qualifier out of range (m) = manual integration (+) = signals summed

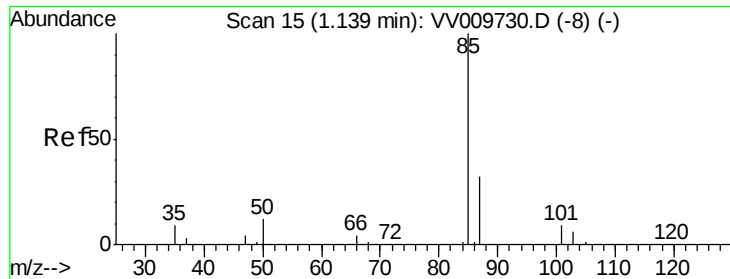
Data File : VV009731.D

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#2

Dichlorodifluoromethane

Concen: 118.090 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

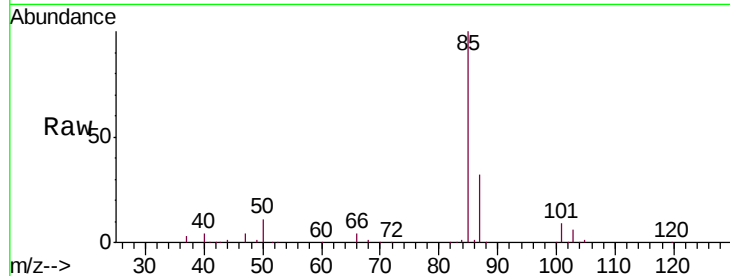
VSTD10065

Tgt Ion: 85 Resp: 111956

Ion Ratio Lower Upper

85 100

87 32.0 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) (-)

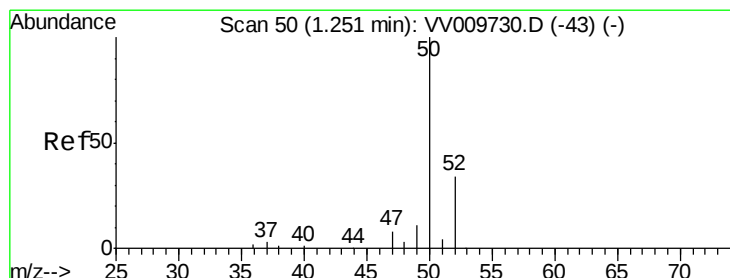
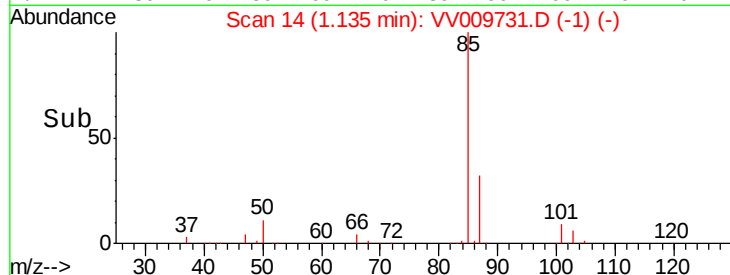
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 115.535 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009731.D

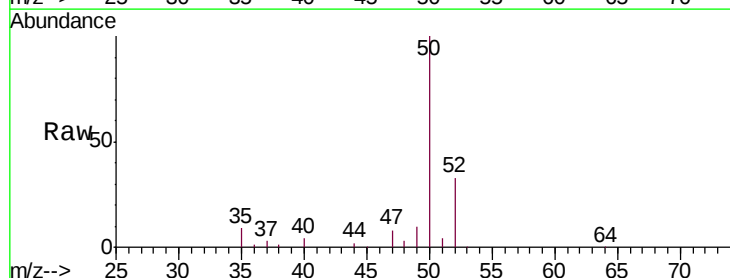
Acq: 16 Mar 2019 15:38

Tgt Ion: 50 Resp: 103564

Ion Ratio Lower Upper

50 100

52 33.3 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) (-)

1.25

120000

100000

80000

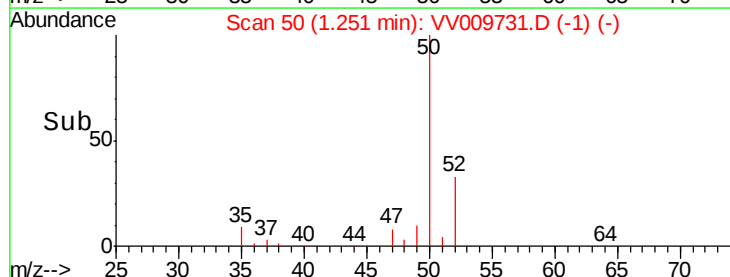
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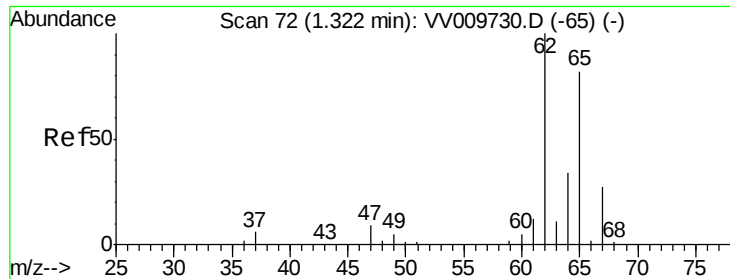
40000

20000

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Time-->





#5

Vinyl chloride

Concen: 119.662 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

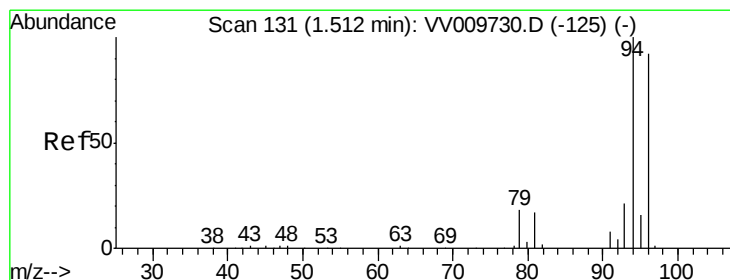
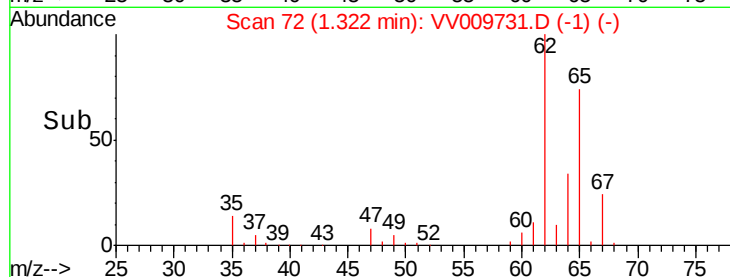
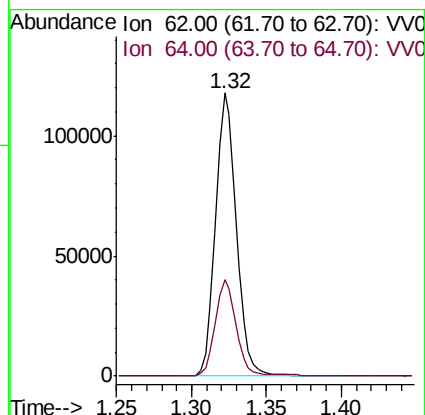
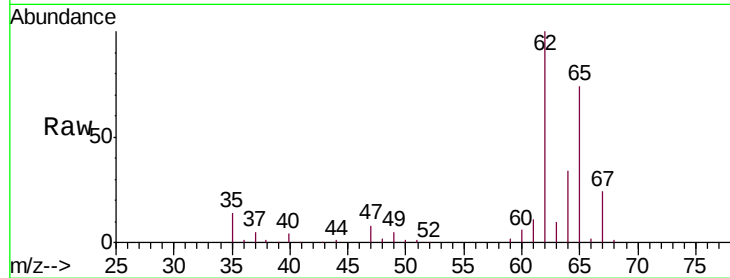
VSTD10065

Tgt Ion: 62 Resp: 114580

Ion Ratio Lower Upper

62 100

64 34.2 23.9 44.3



#6

Bromomethane

Concen: 77.504 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009731.D

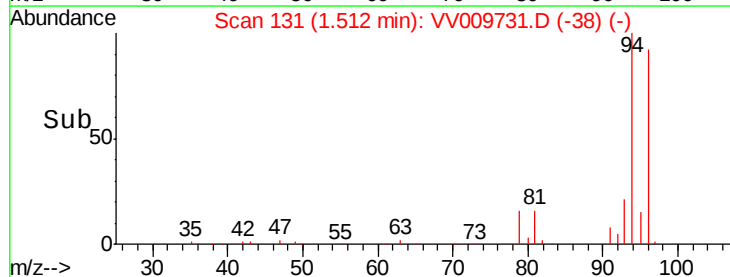
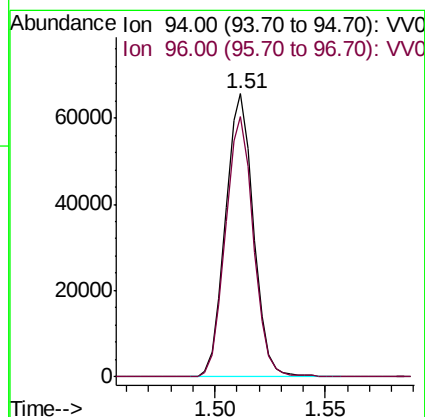
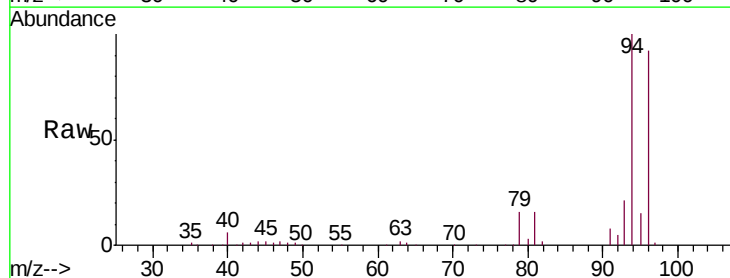
Acq: 16 Mar 2019 15:38

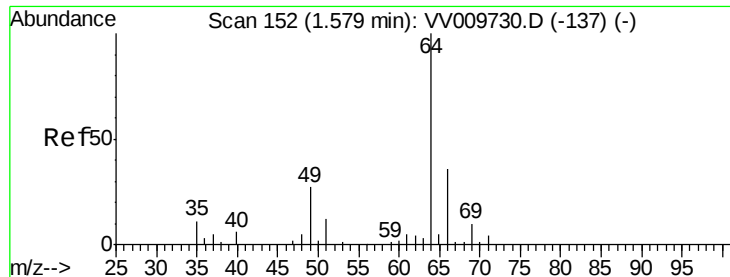
Tgt Ion: 94 Resp: 57597

Ion Ratio Lower Upper

94 100

96 92.1 64.6 120.0





#8

Chloroethane

Concen: 94.247 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

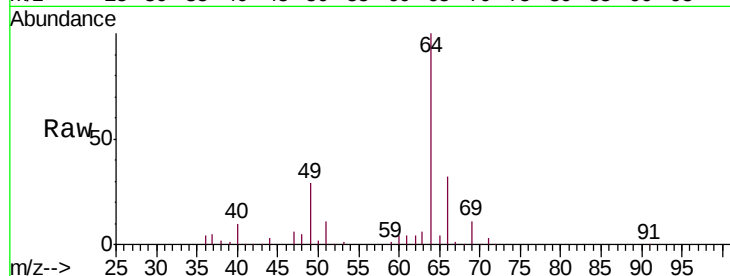
VSTD10065

Tgt Ion: 64 Resp: 66315

Ion Ratio Lower Upper

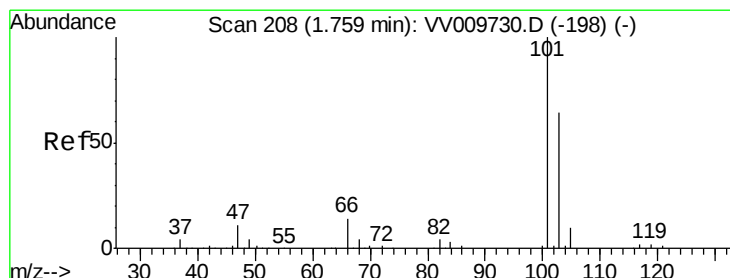
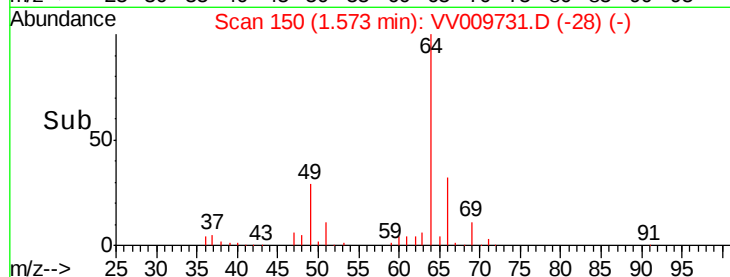
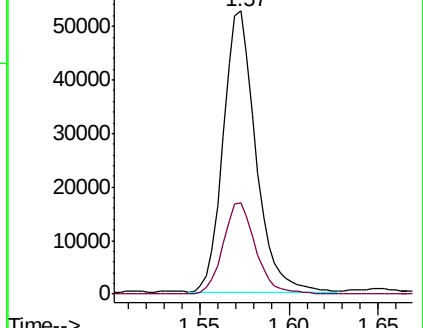
64 100

66 32.3 24.5 45.5



Abundance Ion 64.00 (63.70 to 64.70): VV009731.D (-137) (-)

Ion 66.00 (65.70 to 66.70): VV009731.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 100.018 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV009731.D

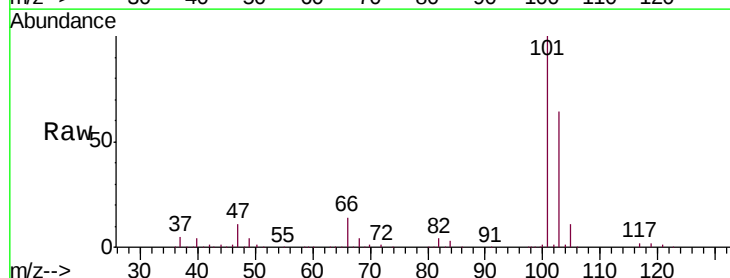
Acq: 16 Mar 2019 15:38

Tgt Ion: 101 Resp: 192072

Ion Ratio Lower Upper

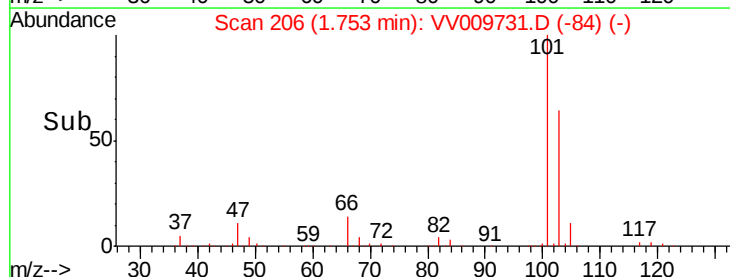
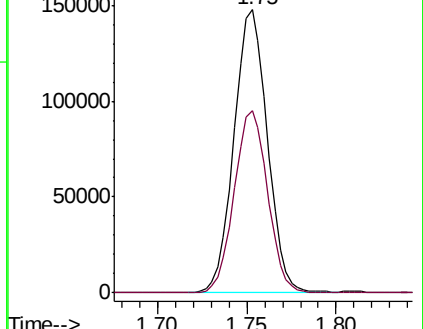
101 100

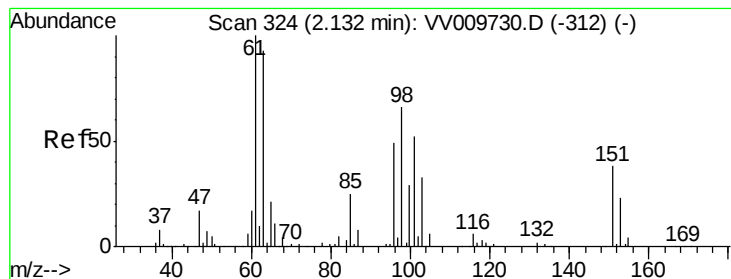
103 64.4 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009731.D (-84) (-)

Ion 103.00 (102.70 to 103.70): VV009731.D (-84) (-)





#10

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

Concen: 97.731 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

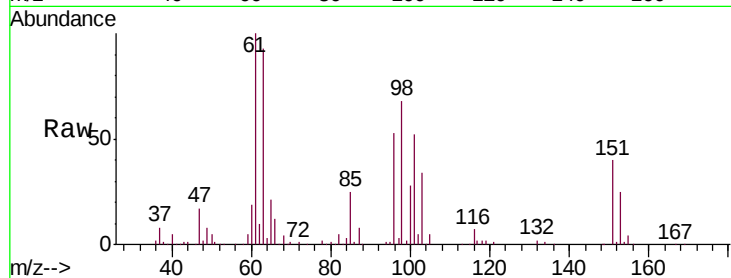
Tgt Ion: 101 Resp: 104232

Ion Ratio Lower Upper

101 100

85 47.6 38.5 57.7

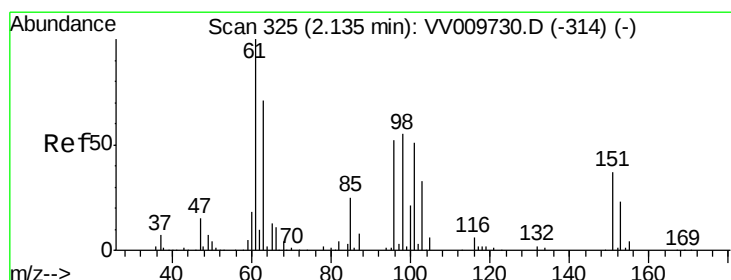
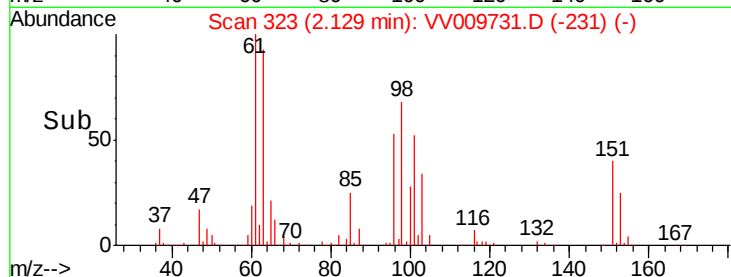
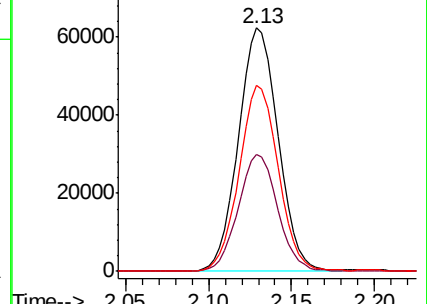
151 75.1 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009731.D (-323) (-)

Ion 85.00 (84.70 to 85.70): VV009731.D (-323) (-)

Ion 151.00 (150.70 to 151.70): VV009731.D (-323) (-)



#12

1,1-Dichloroethene

Concen: 100.555 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

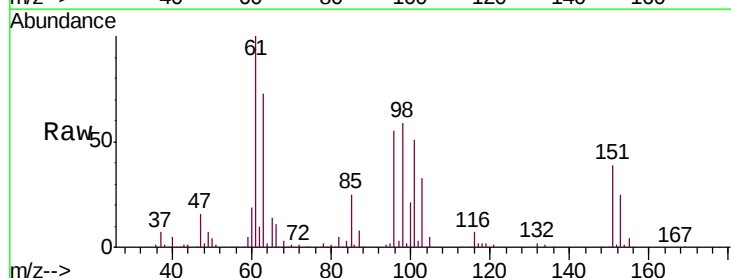
Tgt Ion: 96 Resp: 91839

Ion Ratio Lower Upper

96 100

61 182.9 135.5 251.7

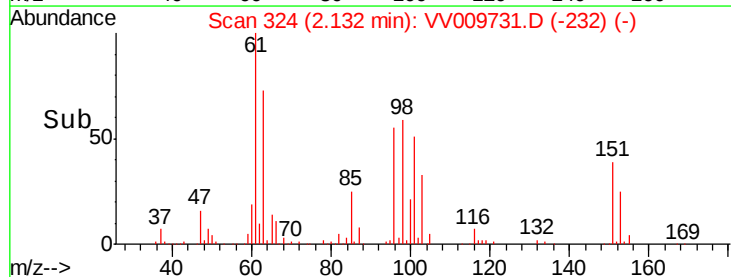
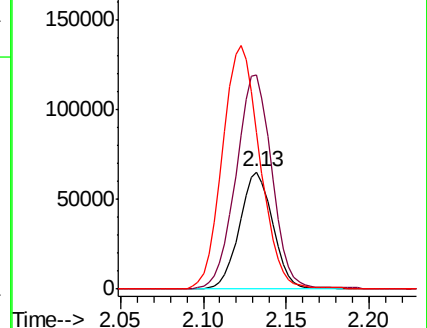
63 134.2 100.2 186.2

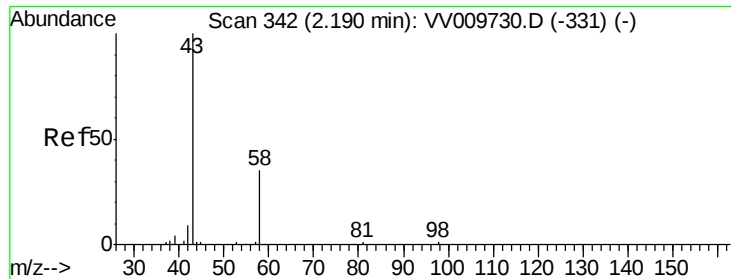


Abundance Ion 96.00 (95.70 to 96.70): VV009731.D (-324) (-)

Ion 61.00 (60.70 to 61.70): VV009731.D (-324) (-)

Ion 63.00 (62.70 to 63.70): VV009731.D (-324) (-)





#13

Acetone

Concen: 185.461 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

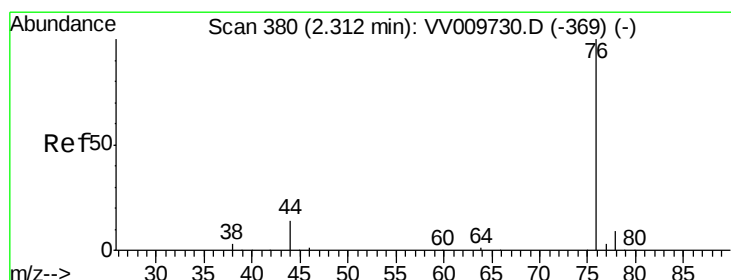
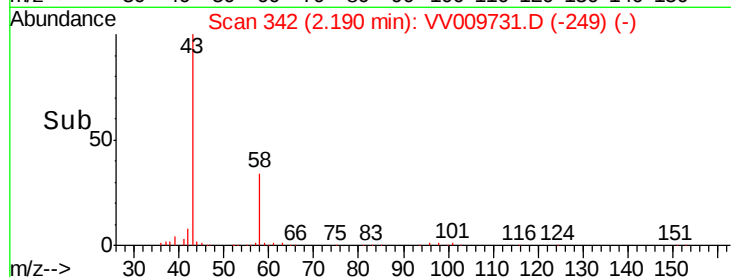
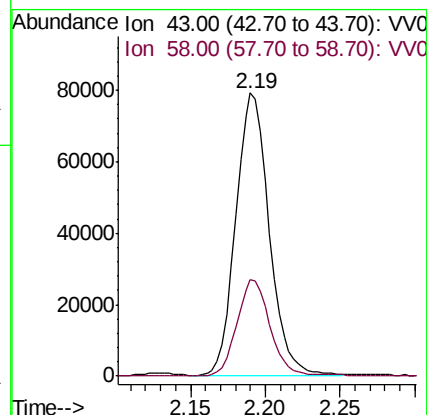
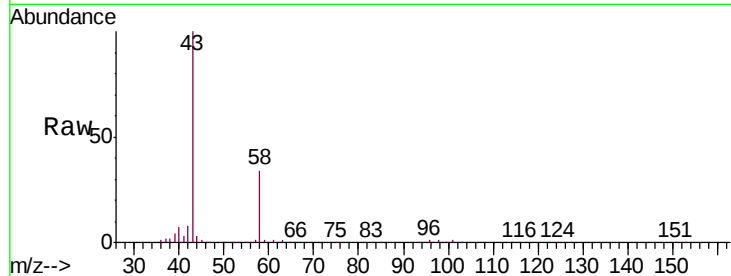
VSTD10065

Tgt Ion: 43 Resp: 122482

Ion Ratio Lower Upper

43 100

58 33.9 0.0 67.8



#14

Carbon disulfide

Concen: 115.631 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV009731.D

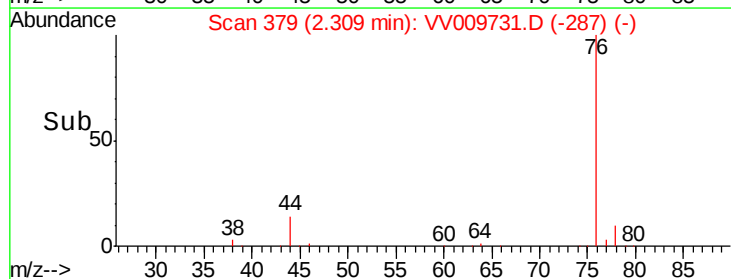
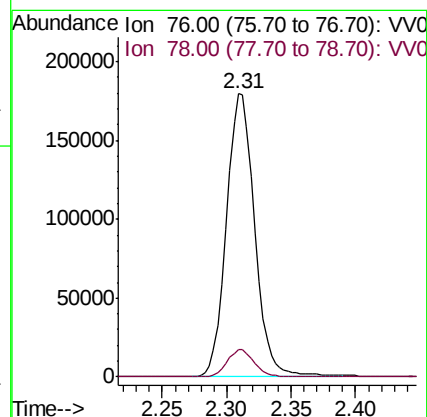
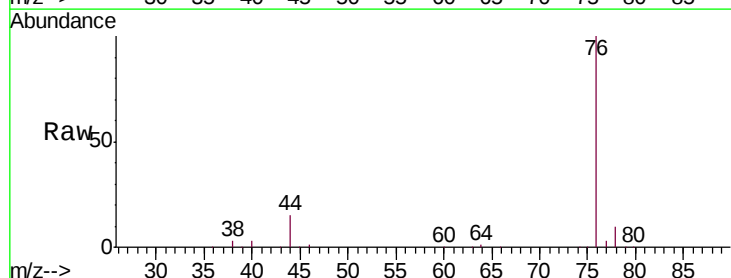
Acq: 16 Mar 2019 15:38

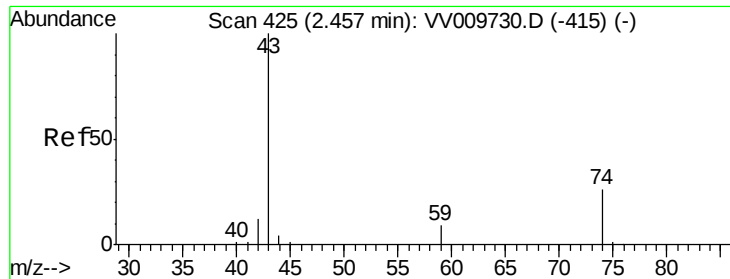
Tgt Ion: 76 Resp: 273312

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.2

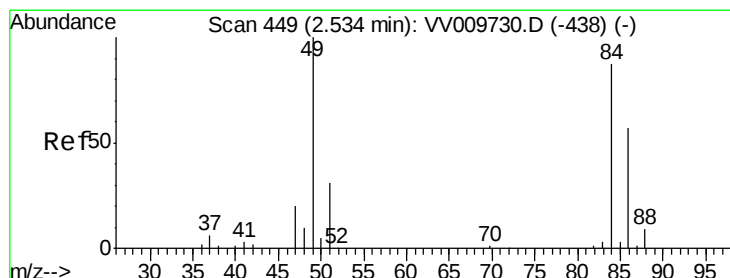
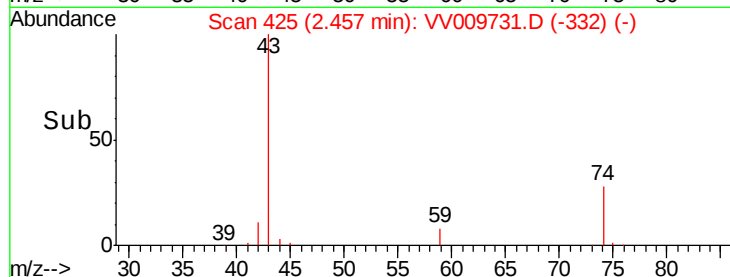
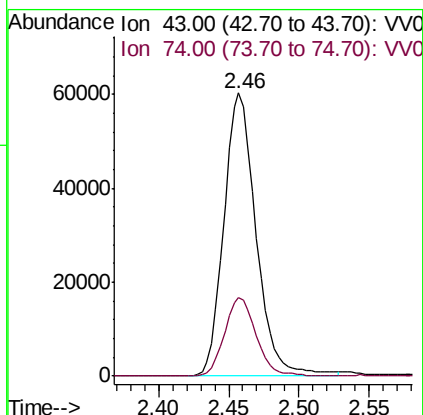
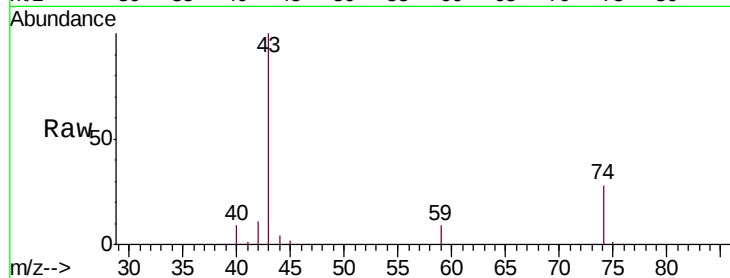




#15
Methyl Acetate
Concen: 110.888 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

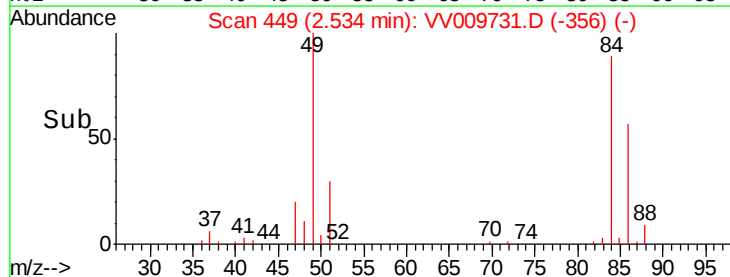
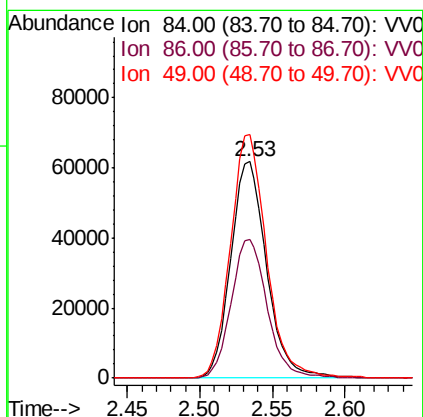
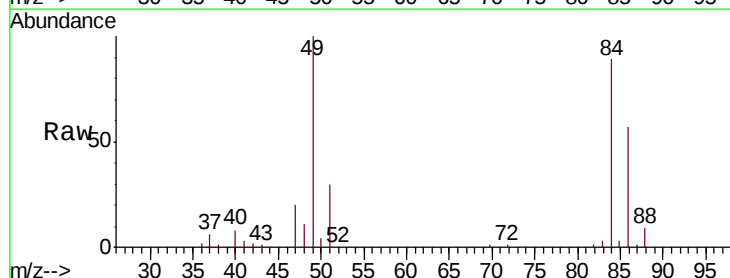
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

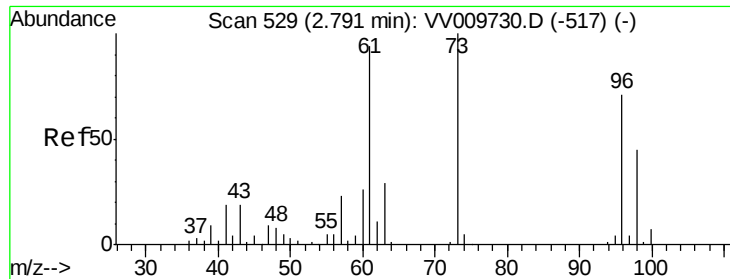
Tgt Ion: 43 Resp: 96355
Ion Ratio Lower Upper
43 100
74 27.2 21.3 31.9



#16
Methylene chloride
Concen: 114.100 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion: 84 Resp: 105996
Ion Ratio Lower Upper
84 100
86 64.2 45.8 85.2
49 112.4 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 113.865 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

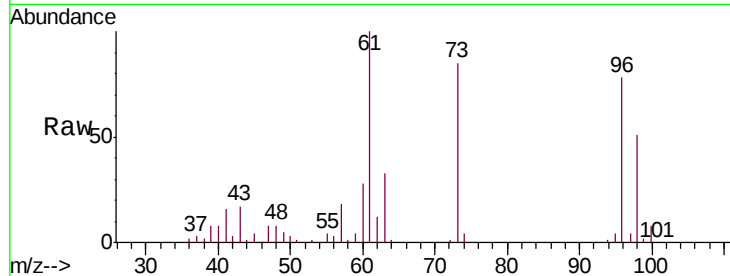
Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion: 96 Resp: 99058

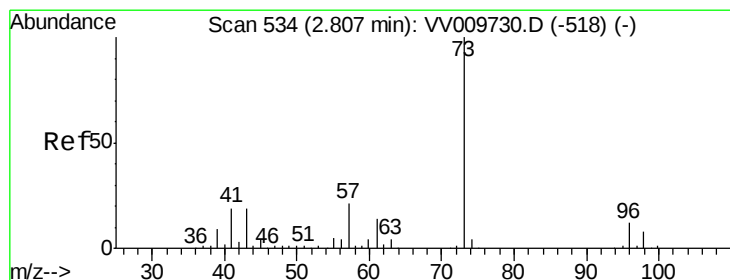
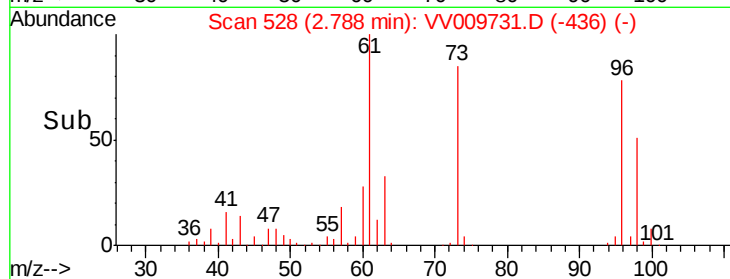
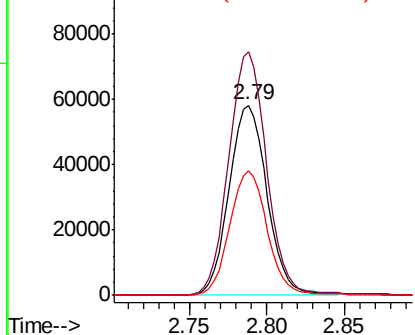
Ion	Ratio	Lower	Upper
96	100		
61	128.2	92.0	170.9
98	65.3	44.7	82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 113.092 ug/L

RT: 2.80 min Scan# 533

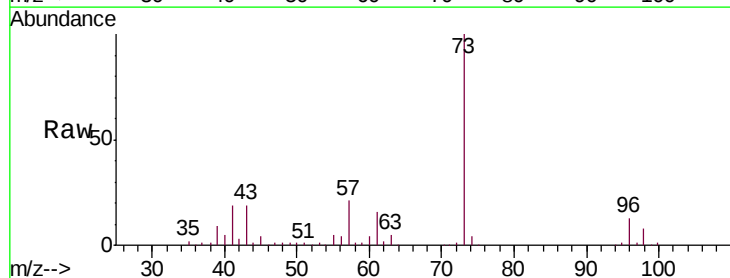
Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Tgt Ion: 73 Resp: 313137

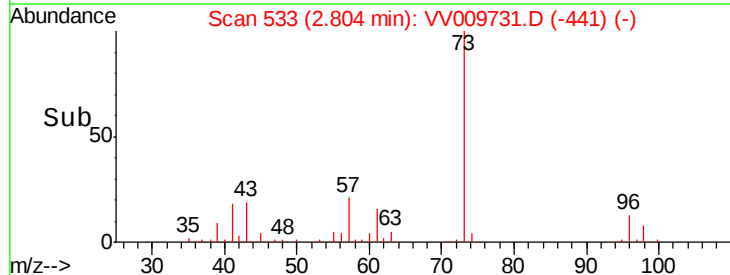
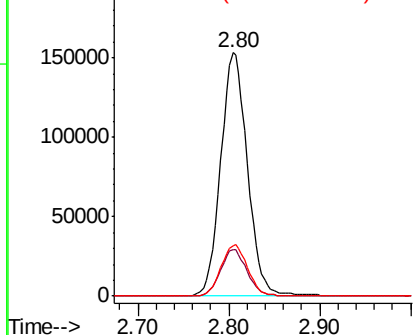
Ion	Ratio	Lower	Upper
73	100		
43	18.8	15.2	22.8
57	21.2	17.1	25.7

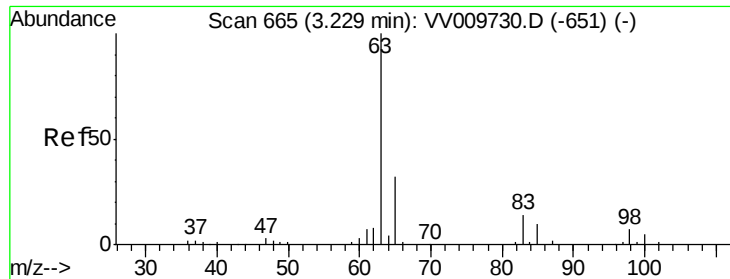


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 108.313 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampled :

VSTD10065

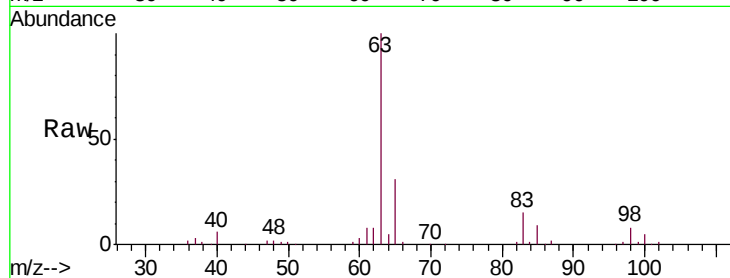
Tgt Ion: 63 Resp: 171367

Ion Ratio Lower Upper

63 100

65 31.0 22.7 42.3

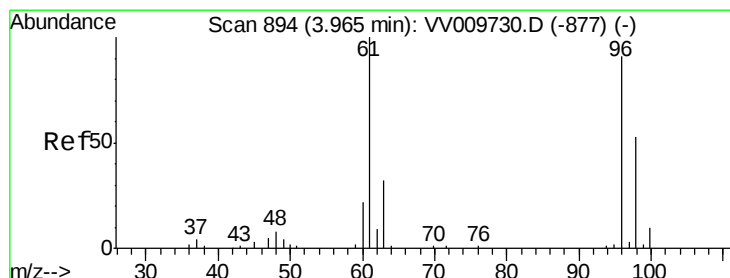
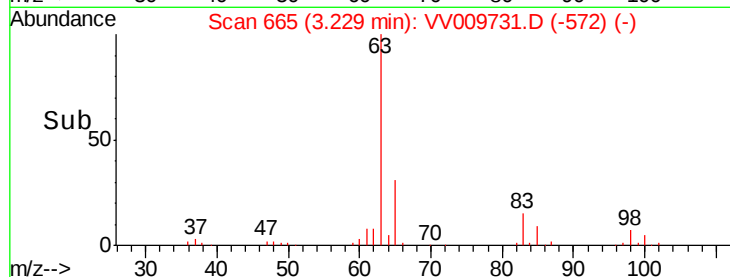
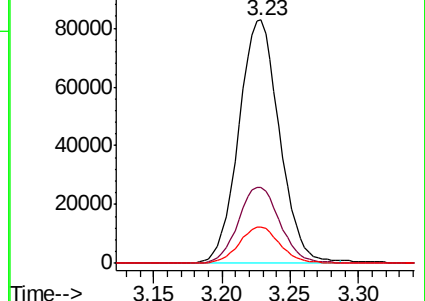
83 14.8 9.8 18.2



Abundance Ion 63.00 (62.70 to 63.70): VV009731.D (-651) (-)

Ion 65.00 (64.70 to 65.70): VV009731.D (-651) (-)

Ion 83.00 (82.70 to 83.70): VV009731.D (-651) (-)



#20

cis-1,2-Dichloroethene

Concen: 113.051 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.01 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

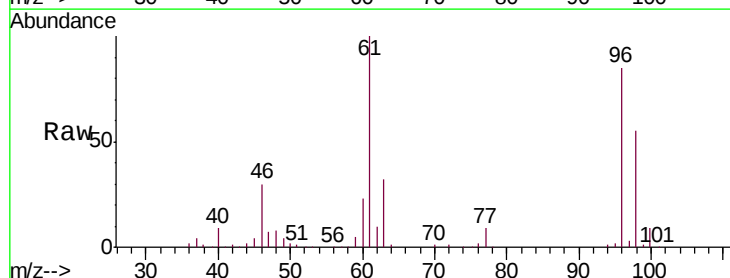
Tgt Ion: 96 Resp: 114046

Ion Ratio Lower Upper

96 100

61 118.1 77.5 143.9

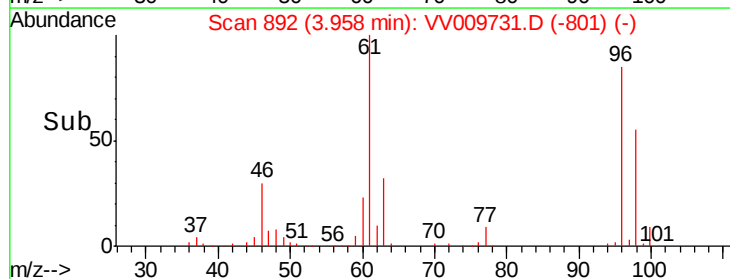
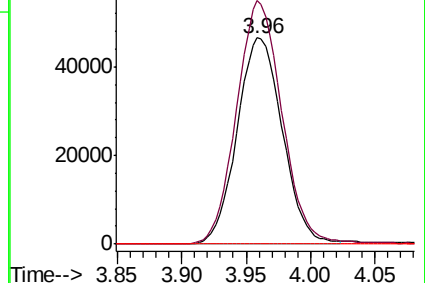
68 0.0 0.0 0.0

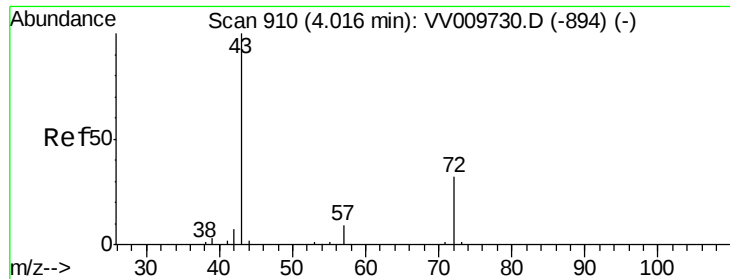


Abundance Ion 96.00 (95.70 to 96.70): VV009731.D (-801) (-)

Ion 61.00 (60.70 to 61.70): VV009731.D (-801) (-)

Ion 68.00 (67.70 to 68.70): VV009731.D (-801) (-)





#22

2-Butanone

Concen: 218.161 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

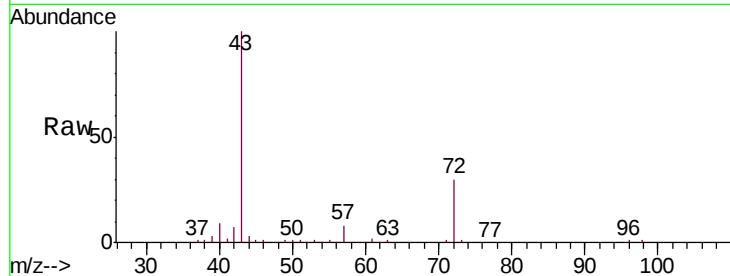
VSTD10065

Tgt Ion: 43 Resp: 156807

Ion Ratio Lower Upper

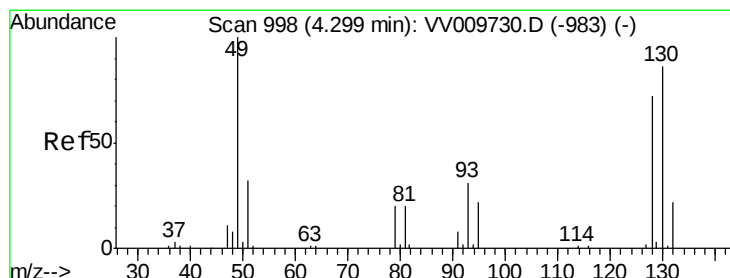
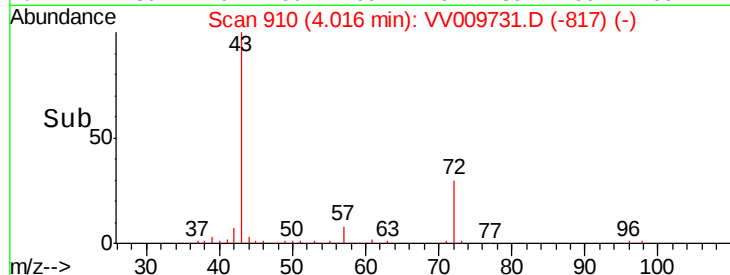
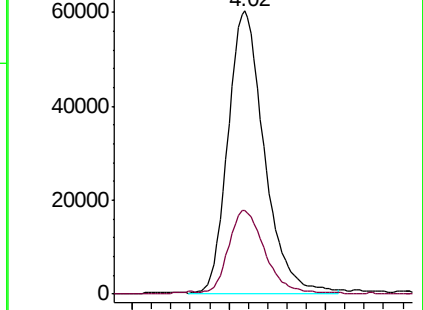
43 100

72 29.7 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009731.D (-817) (-)

Ion 72.00 (71.70 to 72.70): VV009731.D (-817) (-)



#23

Bromochloromethane

Concen: 114.516 ug/L

RT: 4.30 min Scan# 997

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Tgt Ion: 128 Resp: 58053

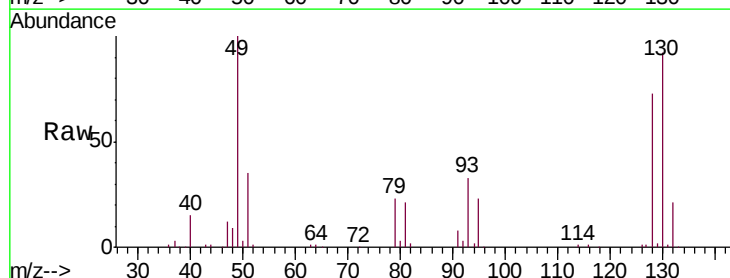
Ion Ratio Lower Upper

128 100

49 137.2 98.0 182.0

130 126.7 84.5 156.9

51 47.8 35.8 53.8

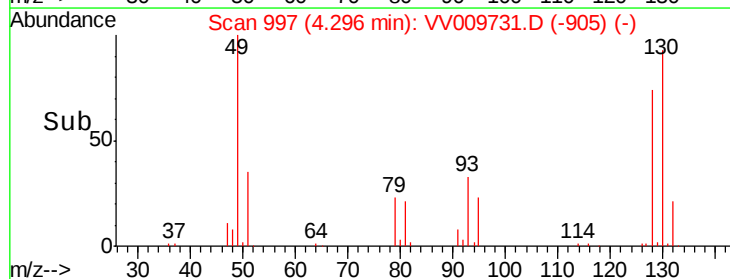
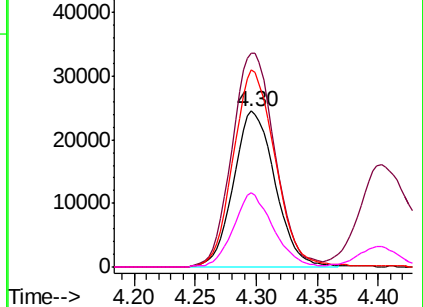


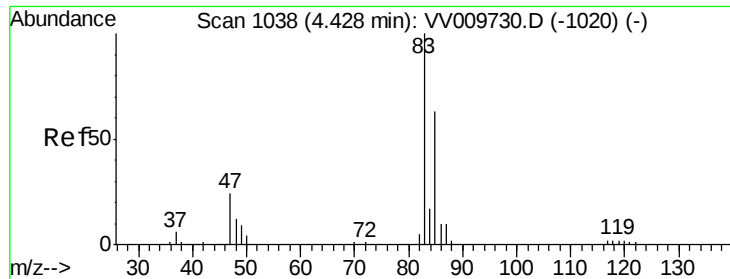
Abundance Ion 128.00 (127.70 to 128.70): VV009731.D (-905) (-)

Ion 49.00 (48.70 to 49.70): VV009731.D (-905) (-)

Ion 130.00 (129.70 to 130.70): VV009731.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VV009731.D (-905) (-)

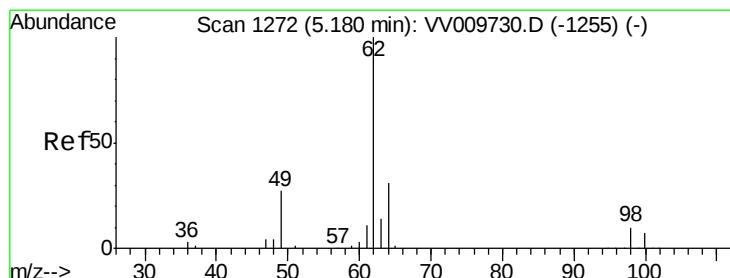
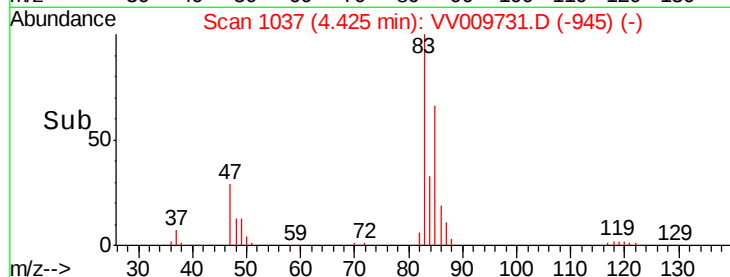
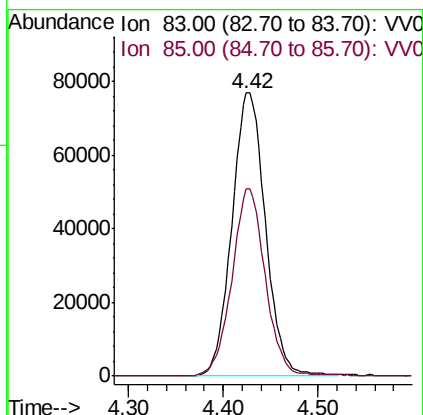
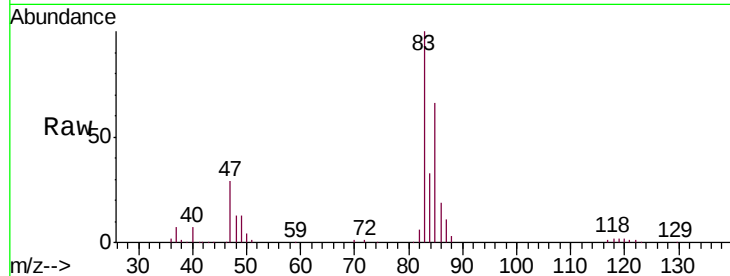




#25
Chloroform
Concen: 106.964 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

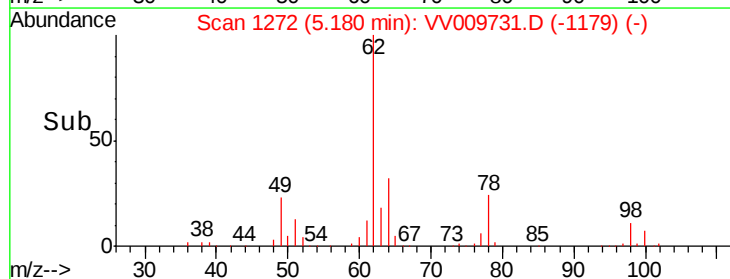
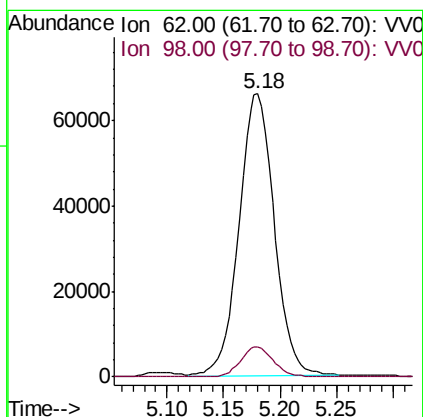
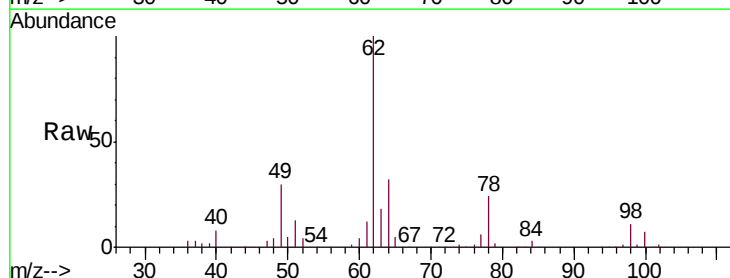
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

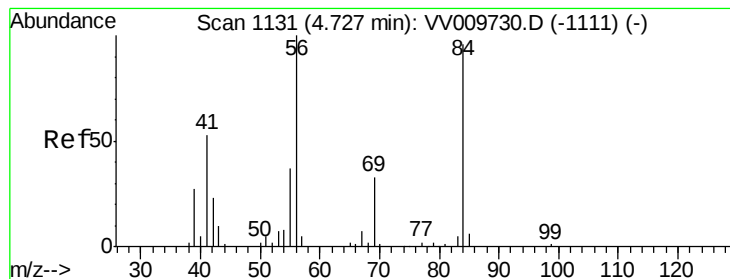
Tgt Ion: 83 Resp: 189733
Ion Ratio Lower Upper
83 100
85 66.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 104.541 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion: 62 Resp: 143085
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.6





#29

Cyclohexane

Concen: 113.314 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

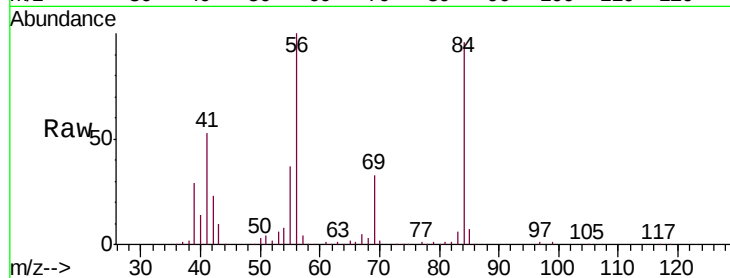
Tgt Ion: 56 Resp: 163891

Ion Ratio Lower Upper

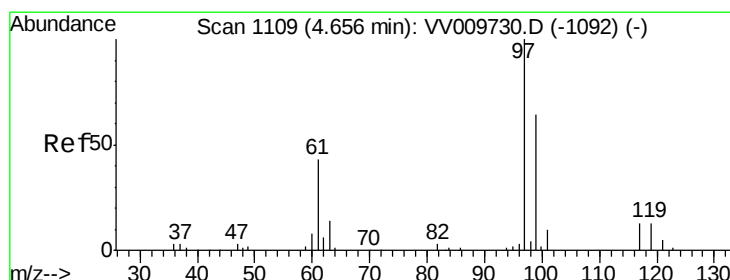
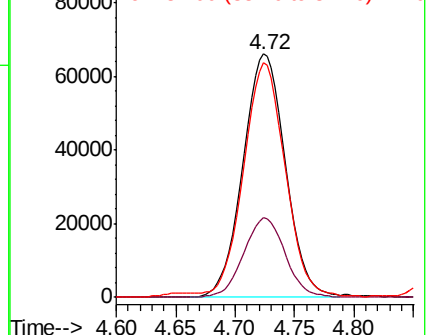
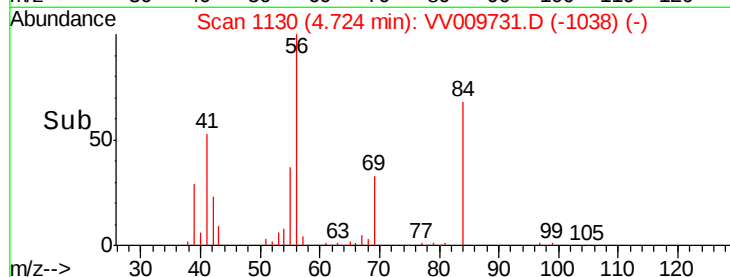
56 100

69 31.9 25.8 38.6

84 93.8 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV009731.D (-1038) (-)



#30

1,1,1-Trichloroethane

Concen: 109.291 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

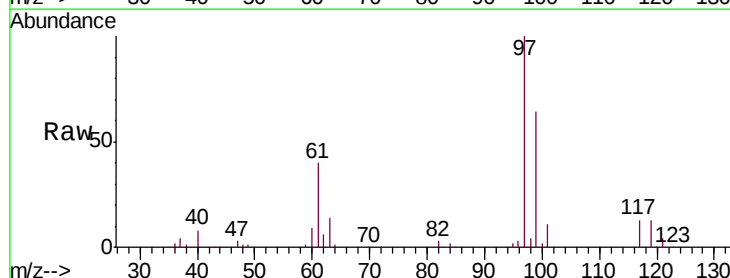
Tgt Ion: 97 Resp: 168511

Ion Ratio Lower Upper

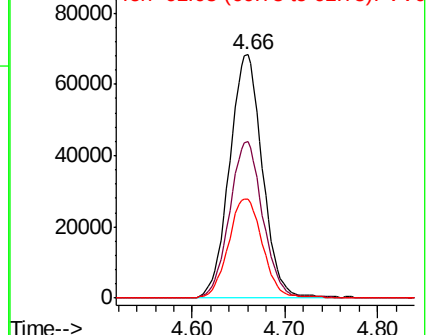
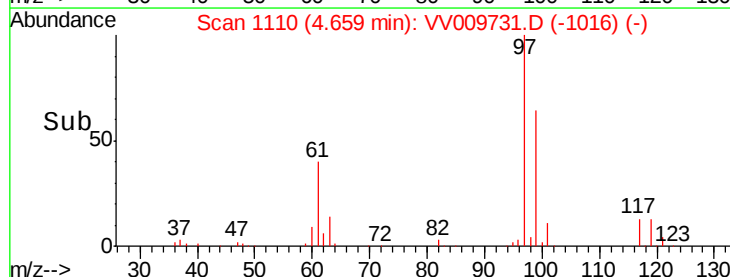
97 100

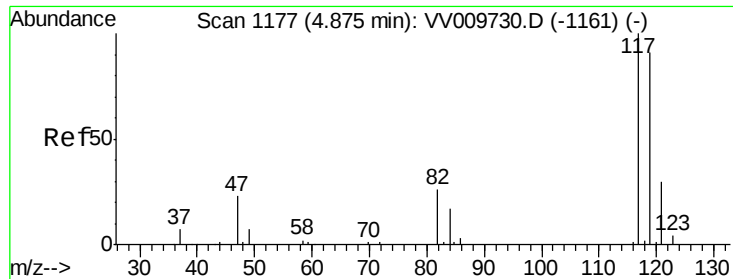
99 64.6 50.9 76.3

61 42.1 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV009731.D (-1016) (-)





#31

Carbon tetrachloride

Concen: 112.405 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

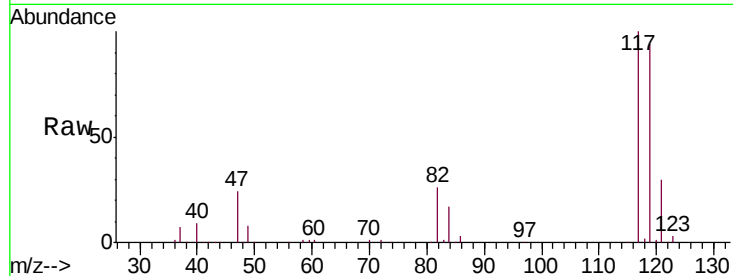
VSTD10065

Tgt Ion:117 Resp: 145752

Ion Ratio Lower Upper

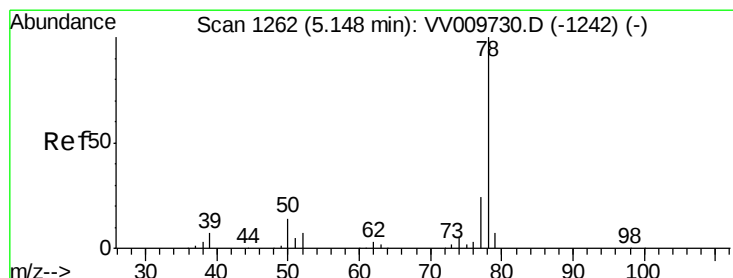
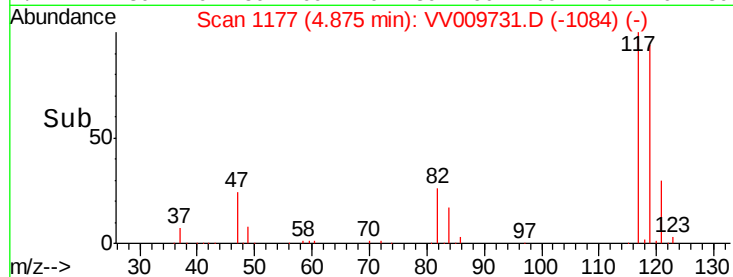
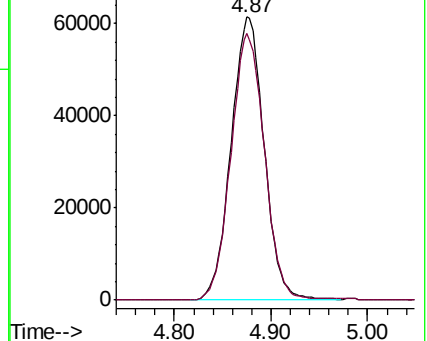
117 100

119 95.3 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: 112.644 ug/L

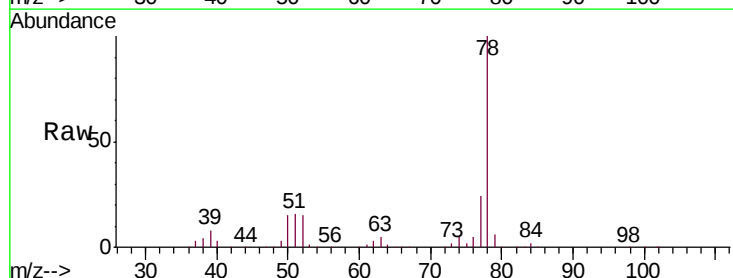
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

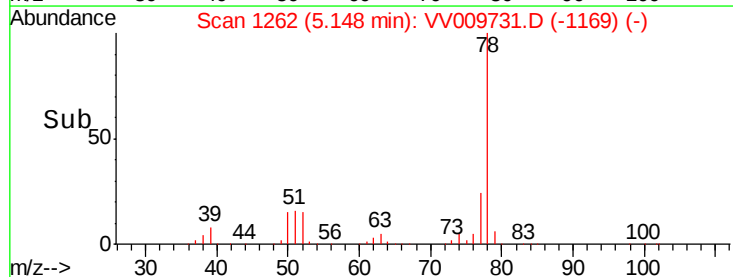
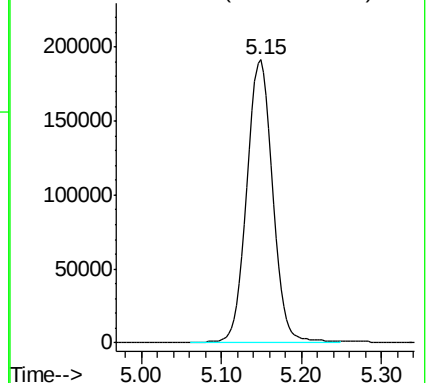
Lab File: VV009731.D

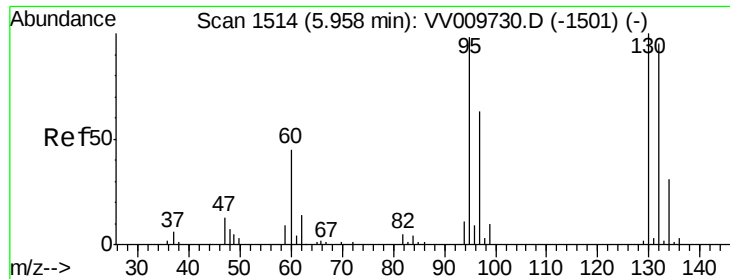
Acq: 16 Mar 2019 15:38

Tgt Ion: 78 Resp: 419159



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 110.973 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampled :

VSTD10065

Tgt Ion: 95 Resp: 110420

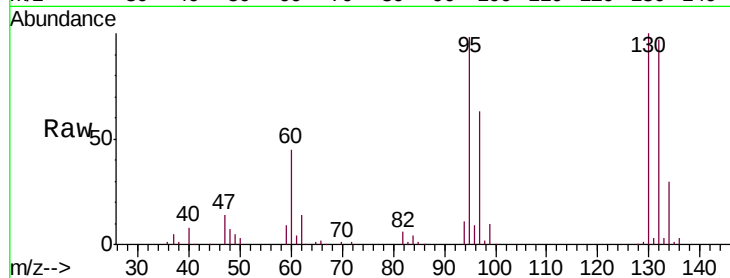
Ion Ratio Lower Upper

95 100

97 64.3 45.1 83.9

132 99.0 68.0 126.2

130 102.5 71.3 132.3

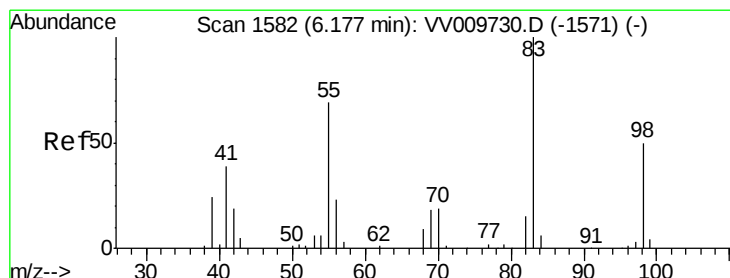
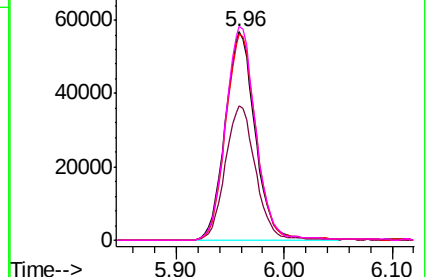
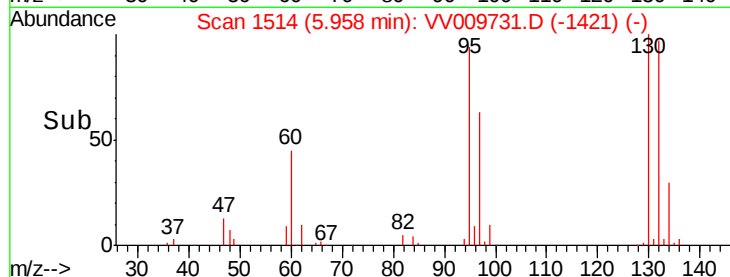


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 114.967 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

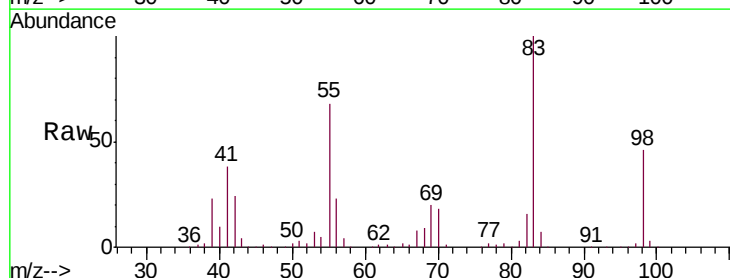
Tgt Ion: 83 Resp: 186620

Ion Ratio Lower Upper

83 100

55 69.0 54.2 81.4

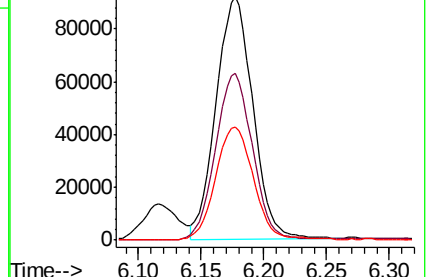
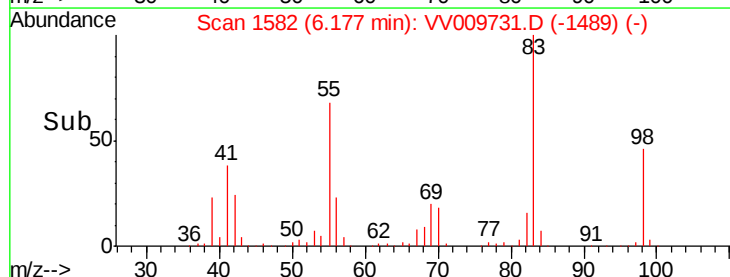
98 47.7 38.4 57.6

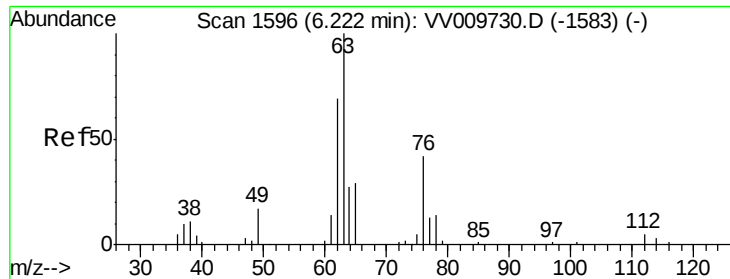


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 112.988 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

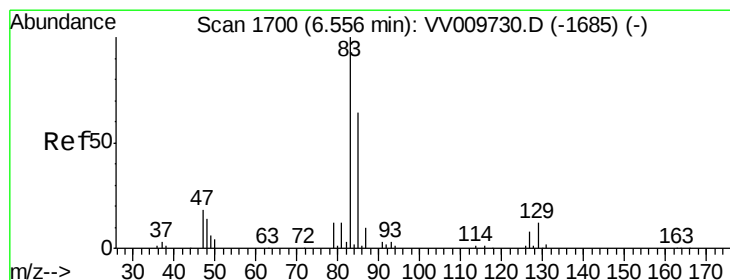
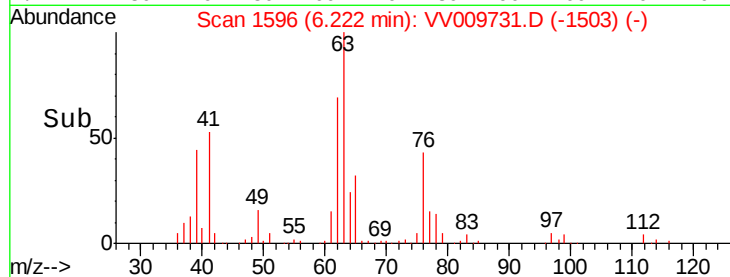
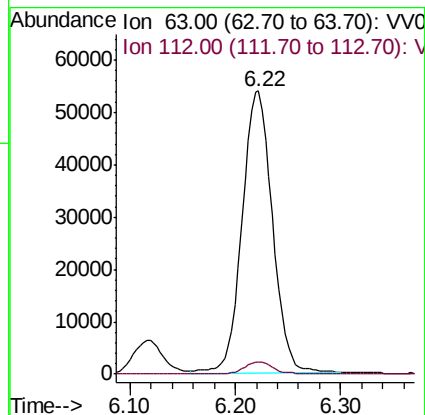
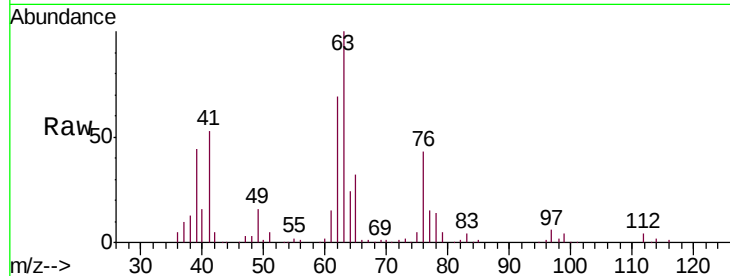
VSTD10065

Tgt Ion: 63 Resp: 107551

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 110.602 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

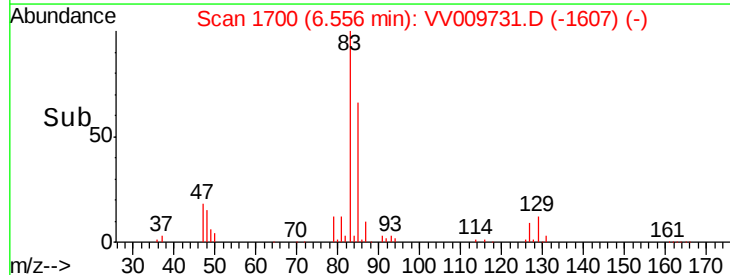
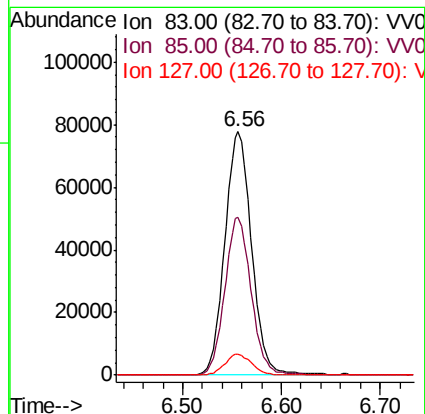
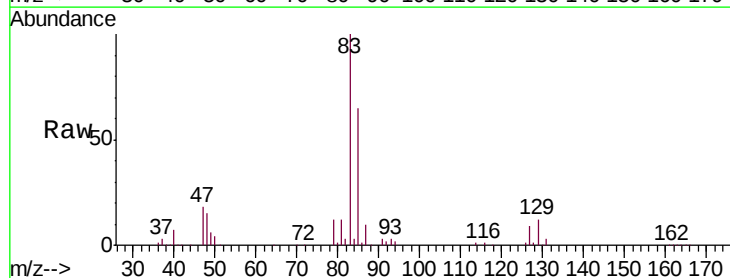
Tgt Ion: 83 Resp: 146562

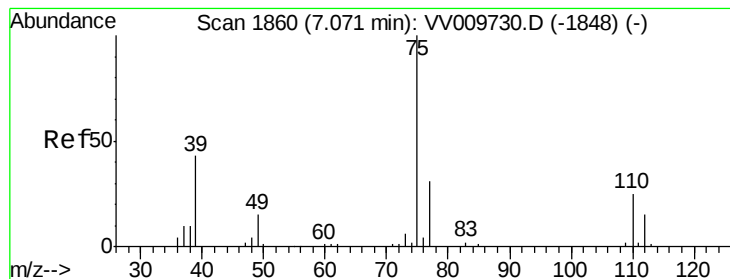
Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

127 8.6 6.7 10.1



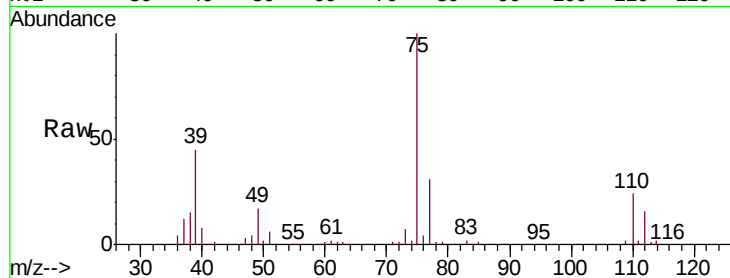


#39

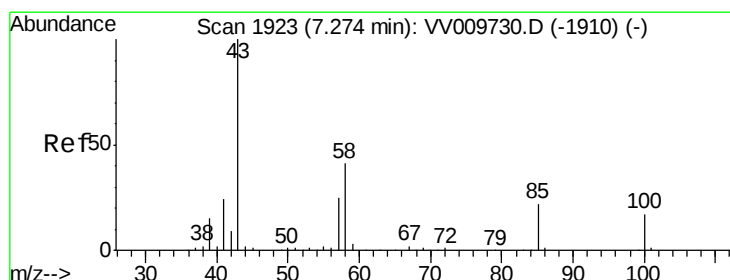
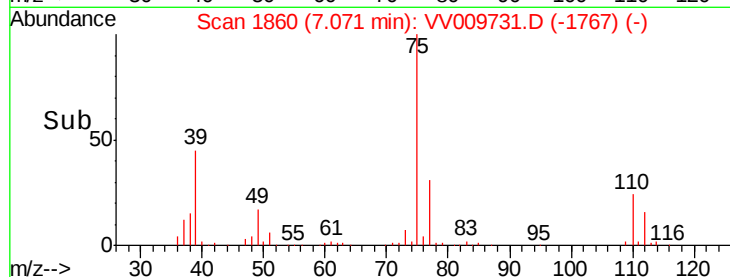
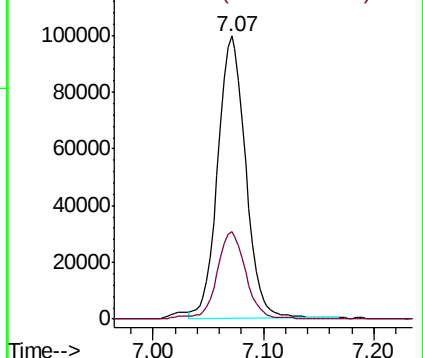
cis-1,3-Dichloropropene
Concen: 116.212 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Instrument :
MSVOA_V
ClientSampled :
VSTD10065

Tgt Ion: 75 Resp: 174910
Ion Ratio Lower Upper
75 100
77 31.0 22.4 41.6



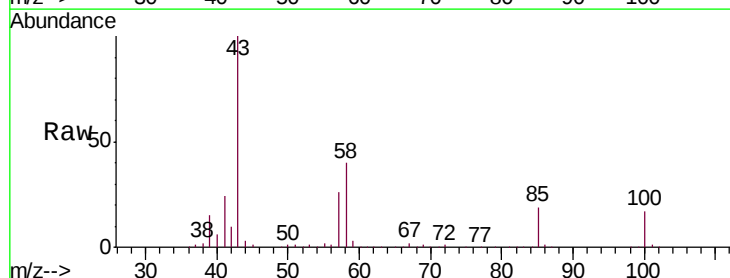
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



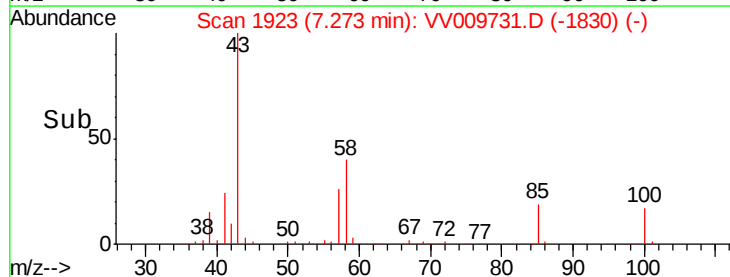
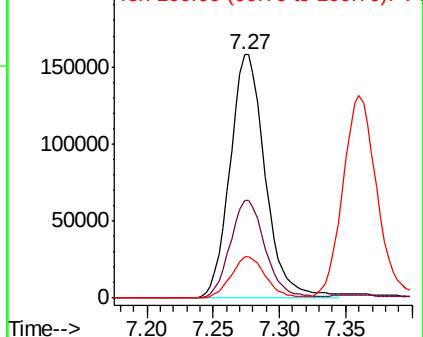
#40

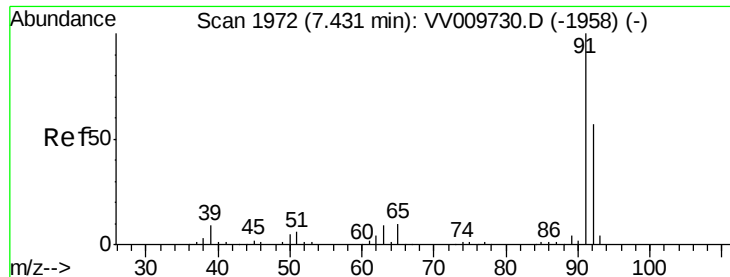
4-Methyl-2-pentanone
Concen: 230.186 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion: 43 Resp: 292385
Ion Ratio Lower Upper
43 100
58 39.8 32.3 48.5
100 16.7 13.7 20.5



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





#42

Toluene

Concen: 110.251 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

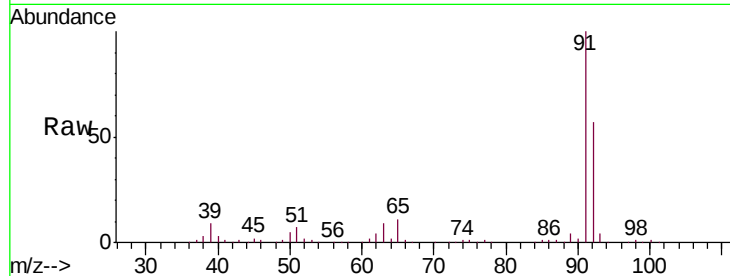
VSTD10065

Tgt Ion: 91 Resp: 466851

Ion Ratio Lower Upper

91 100

92 57.3 39.9 74.1

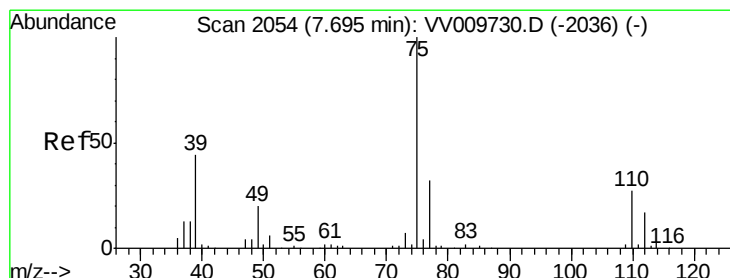
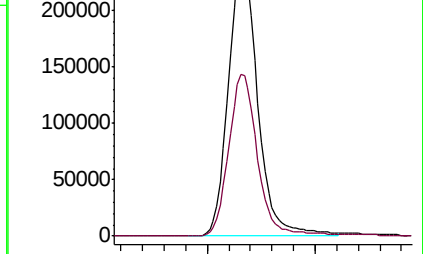
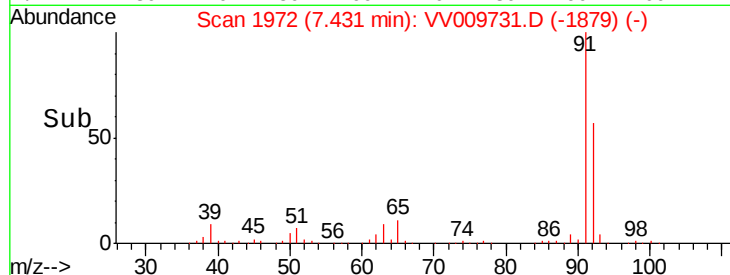


Abundance Ion 91.00 (90.70 to 91.70): VV009731.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009731.D (-1958) (-)

7.43

Time-->



#44

trans-1,3-Dichloropropene

Concen: 119.353 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009731.D

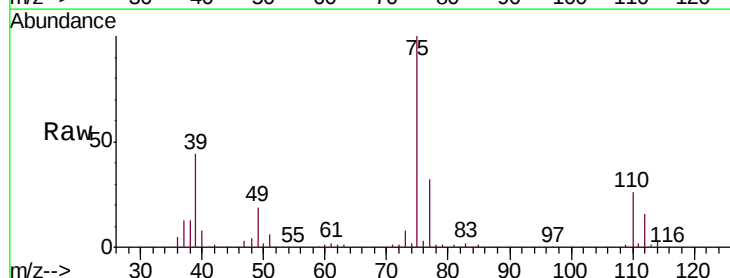
Acq: 16 Mar 2019 15:38

Tgt Ion: 75 Resp: 166902

Ion Ratio Lower Upper

75 100

77 31.6 22.5 41.7

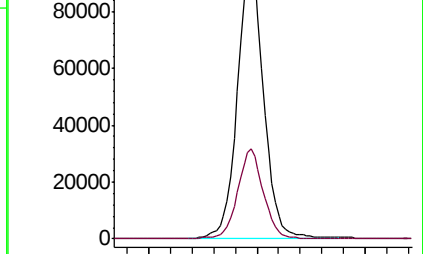
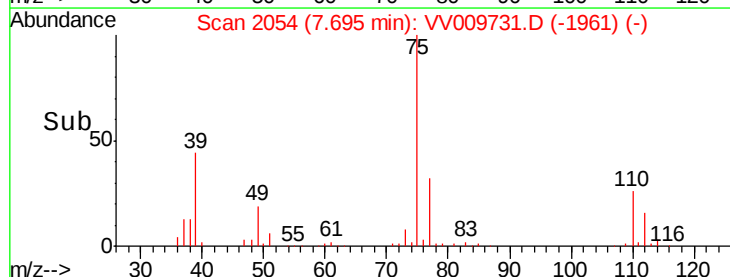


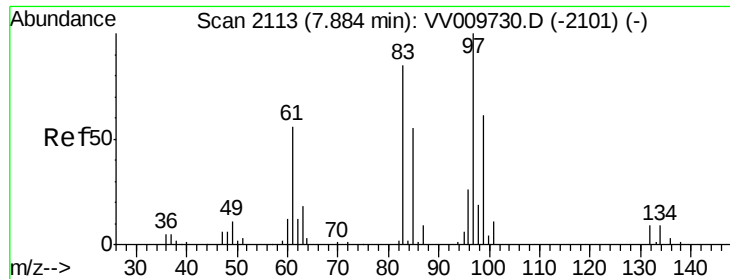
Abundance Ion 75.00 (74.70 to 75.70): VV009731.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009731.D (-2036) (-)

7.69

Time-->

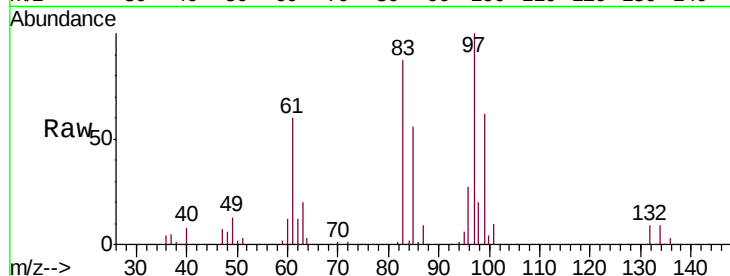




#45
 1,1,2-Trichloroethane
 Concen: 110.714 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

Tgt Ion:	97	Resp:	109251
Ion	Ratio	Lower	Upper
97	100		
99	62.2	42.8	79.6
83	86.8	59.7	110.9
85	55.6	38.7	71.9



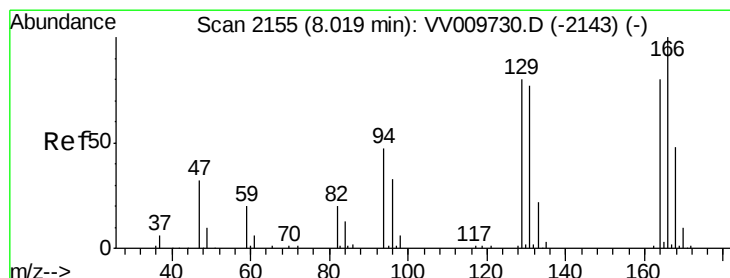
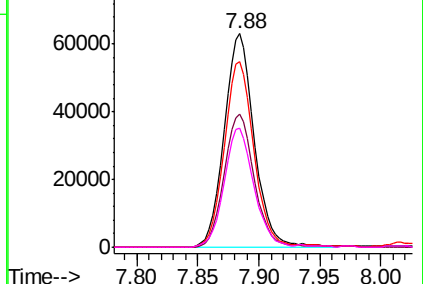
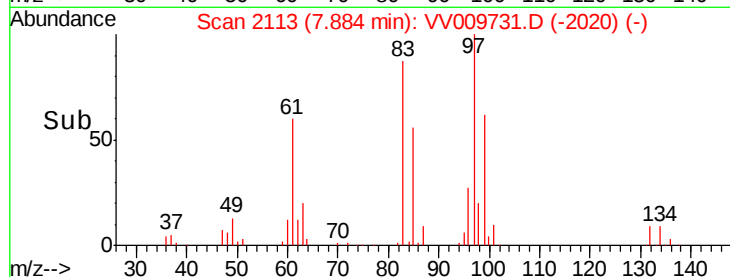
Abundance

Ion 97.00 (96.70 to 97.70): VV009731.D (-2020) (-)

Ion 99.00 (98.70 to 99.70): VV009731.D (-2020) (-)

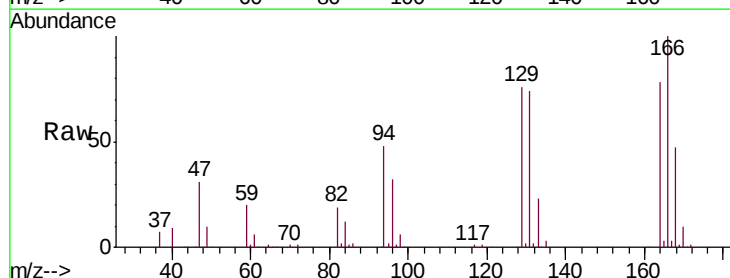
Ion 83.00 (82.70 to 83.70): VV009731.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV009731.D (-2020) (-)



#46
 Tetrachloroethene
 Concen: 111.390 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

Tgt Ion:	164	Resp:	87846
Ion	Ratio	Lower	Upper
164	100		
129	98.2	70.0	130.0
131	95.5	67.5	125.4
166	128.8	88.0	163.4



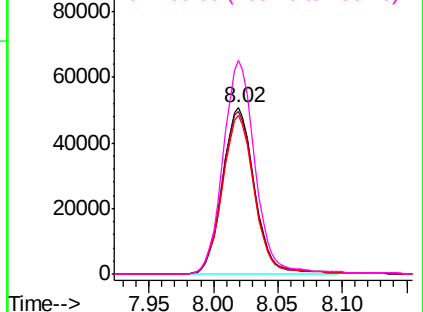
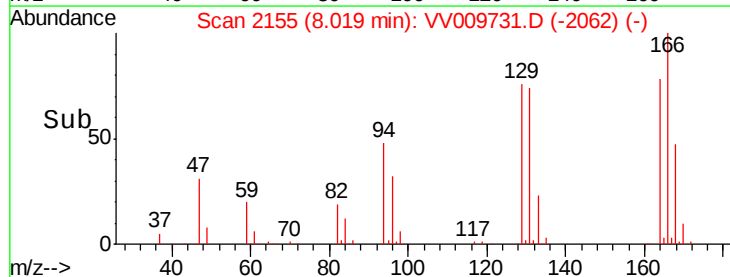
Abundance

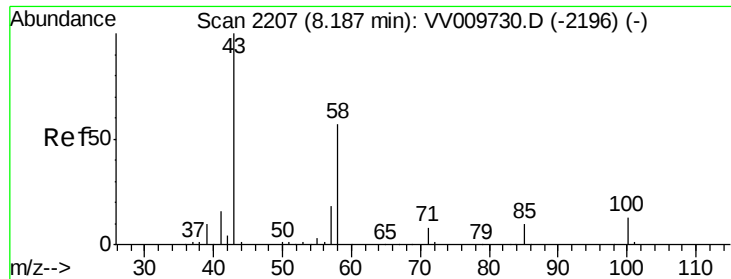
Ion 164.00 (163.70 to 164.70): VV009731.D (-2062) (-)

Ion 129.00 (128.70 to 129.70): VV009731.D (-2062) (-)

Ion 131.00 (130.70 to 131.70): VV009731.D (-2062) (-)

Ion 166.00 (165.70 to 166.70): VV009731.D (-2062) (-)

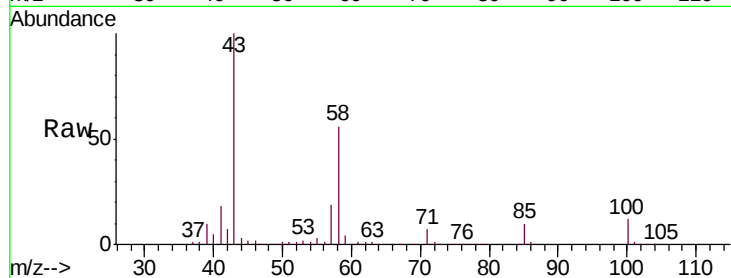




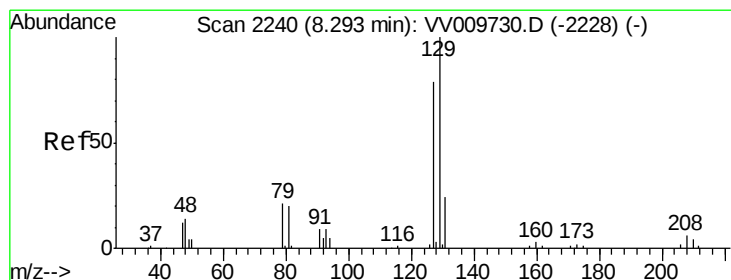
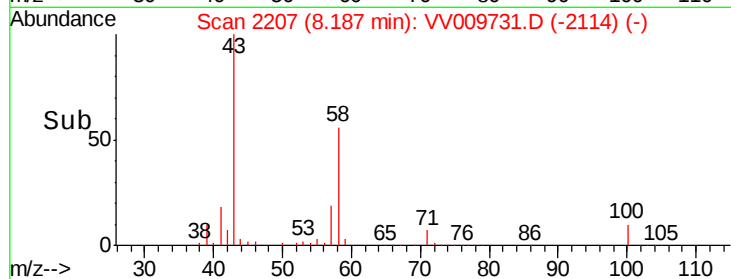
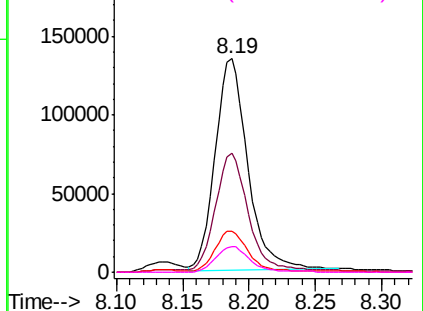
#48
2-Hexanone
Concen: 230.970 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion:	43	Resp:	231143
Ion	Ratio	Lower	Upper
43	100		
58	56.1	46.0	69.0
57	20.4	14.8	22.2
100	12.6	10.8	16.2

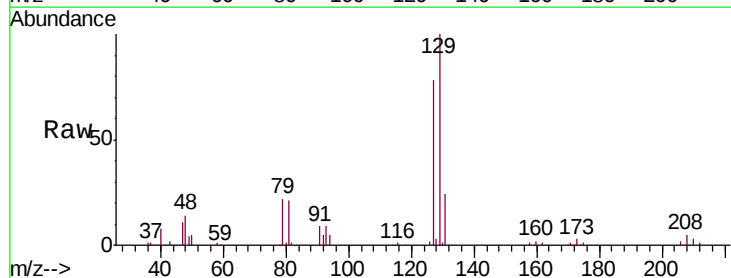


Abundance Ion 43.00 (42.70 to 43.70): VV009731.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV009731.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV009731.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV009731.D (-2196) (-)

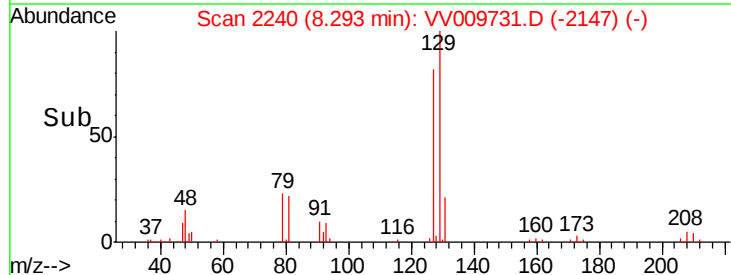
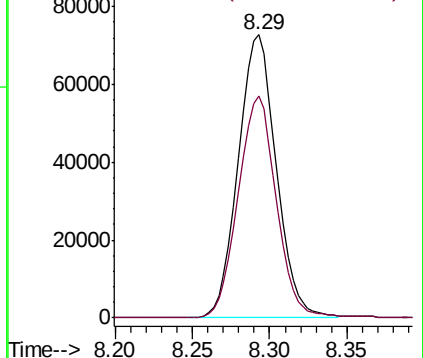


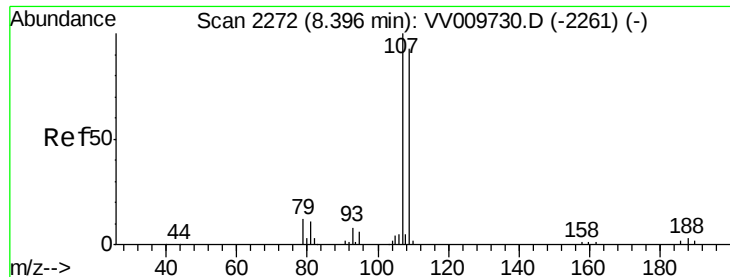
#49
Dibromochloromethane
Concen: 115.023 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion:	129	Resp:	124726
Ion	Ratio	Lower	Upper
129	100		
127	78.3	55.2	102.4



Abundance Ion 129.00 (128.70 to 129.70): VV009731.D (-2228) (-)
Ion 127.00 (126.70 to 127.70): VV009731.D (-2228) (-)

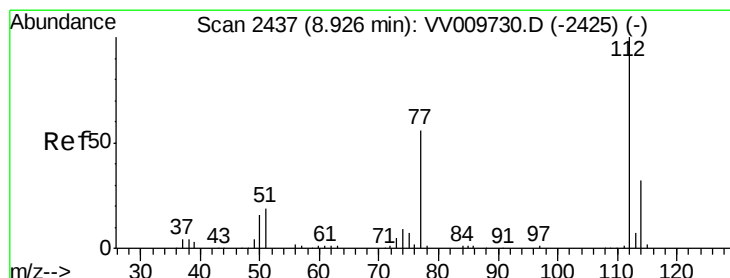
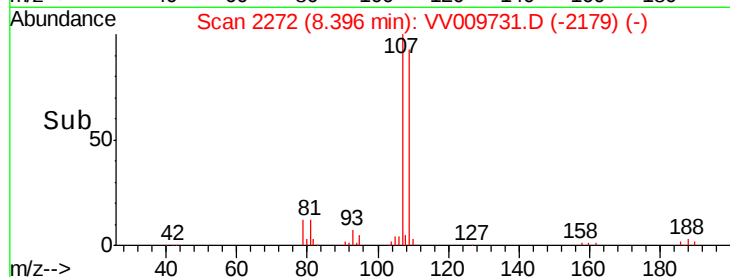
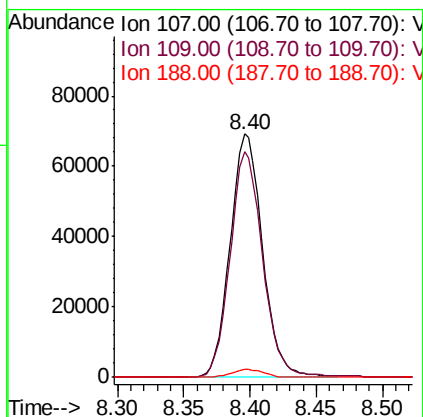
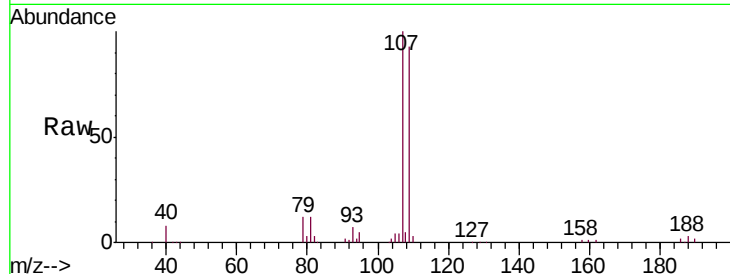




#50
1,2-Dibromoethane
Concen: 113.543 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

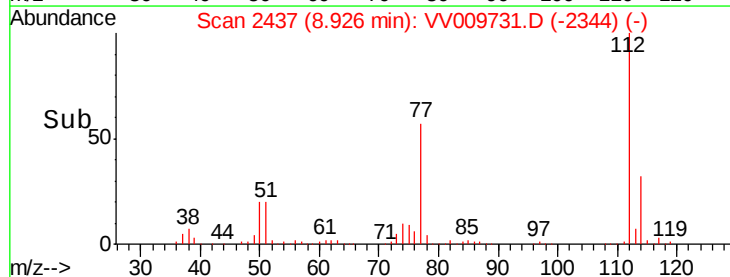
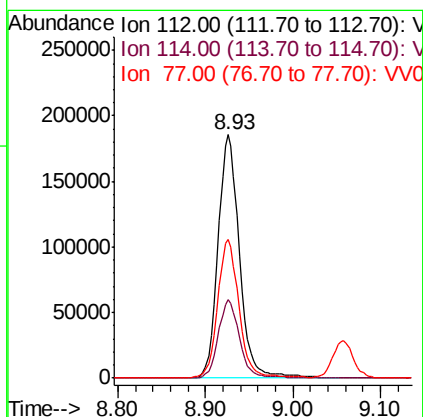
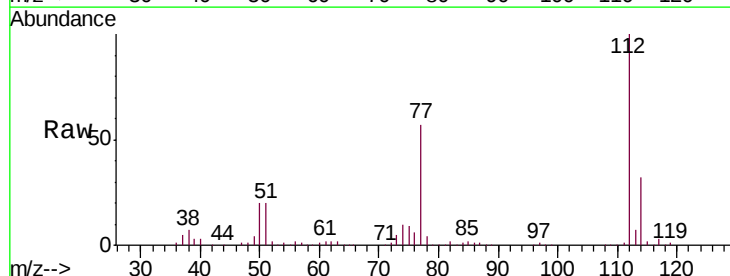
Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

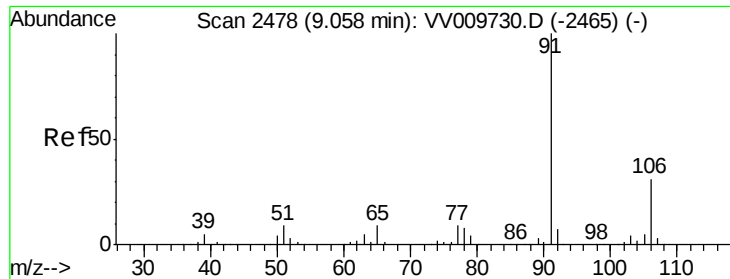
Tgt Ion:107 Resp: 117826
Ion Ratio Lower Upper
107 100
109 92.6 65.3 121.3
188 3.2 2.2 3.4



#51
Chlorobenzene
Concen: 111.370 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion:112 Resp: 315093
Ion Ratio Lower Upper
112 100
114 32.1 22.5 41.9
77 57.2 45.4 68.2





#52

Ethylbenzene

Concen: 113.964 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

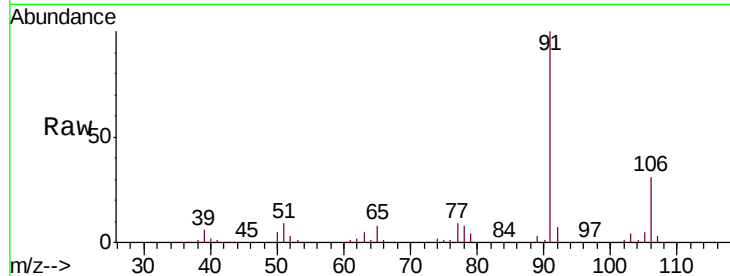
VSTD10065

Tgt Ion: 91 Resp: 546432

Ion Ratio Lower Upper

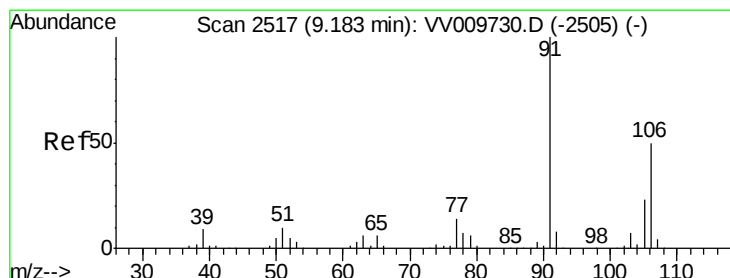
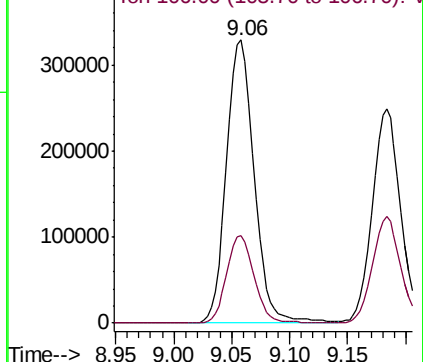
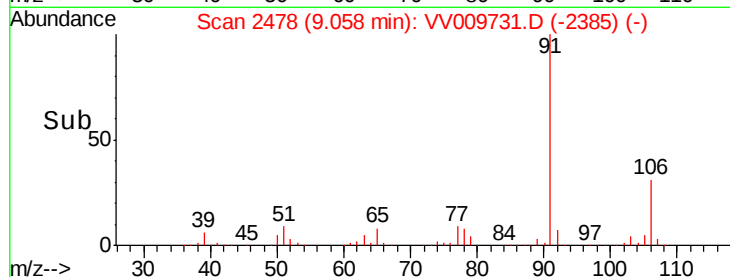
91 100

106 30.9 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009731.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV009731.D (-2385) (-)



#53

m,p-Xylene

Concen: 115.699 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009731.D

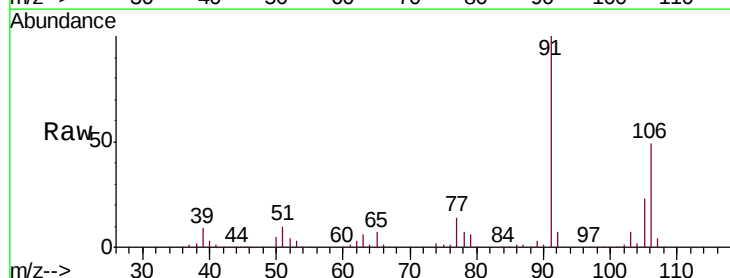
Acq: 16 Mar 2019 15:38

Tgt Ion: 106 Resp: 212672

Ion Ratio Lower Upper

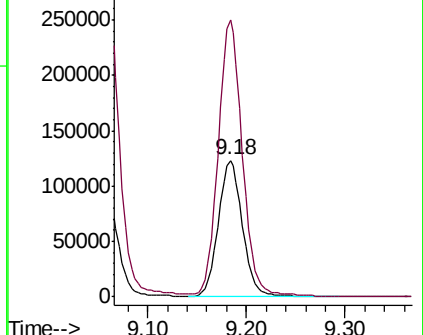
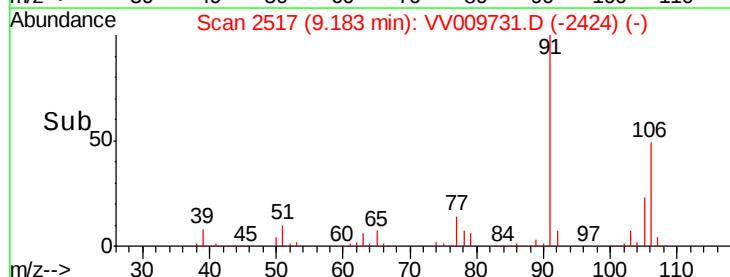
106 100

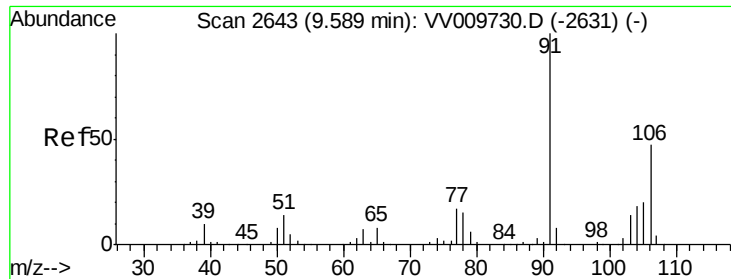
91 202.4 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009731.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV009731.D (-2424) (-)

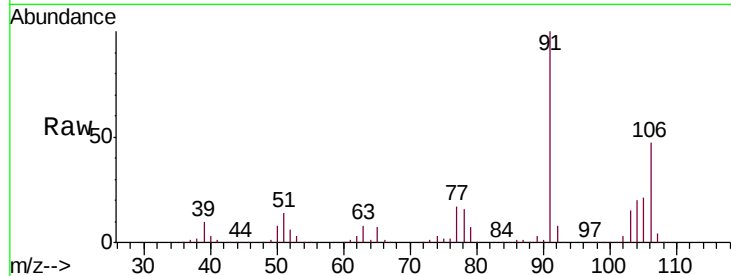




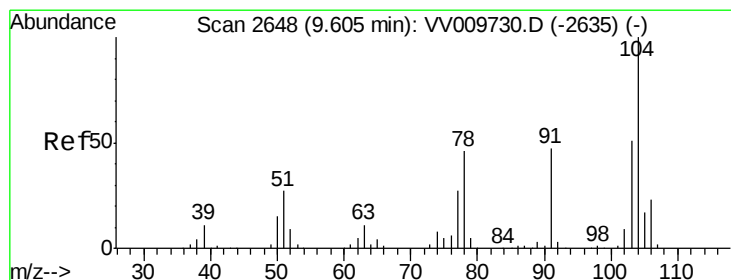
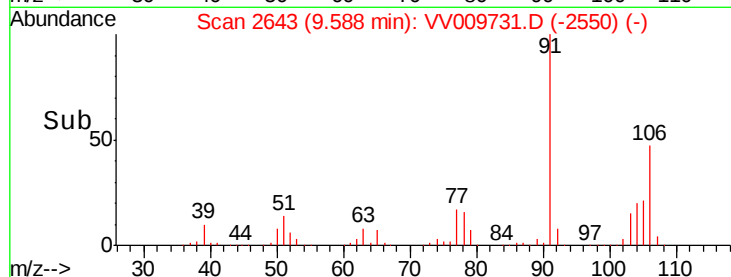
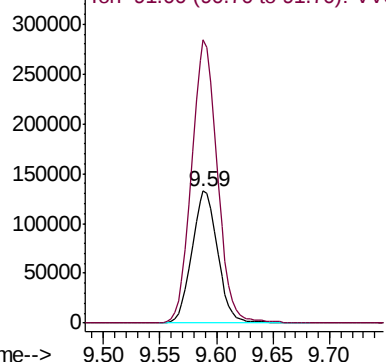
#54
o-Xylene
Concen: 114.032 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Instrument :
MSVOA_V
ClientSampleId :
VSTD10065

Tgt Ion:106 Resp: 211250
Ion Ratio Lower Upper
106 100
91 214.1 148.3 275.5

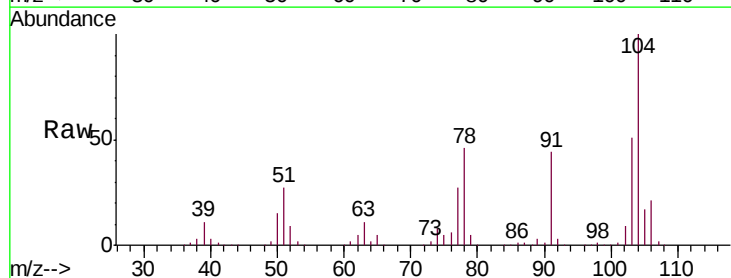


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

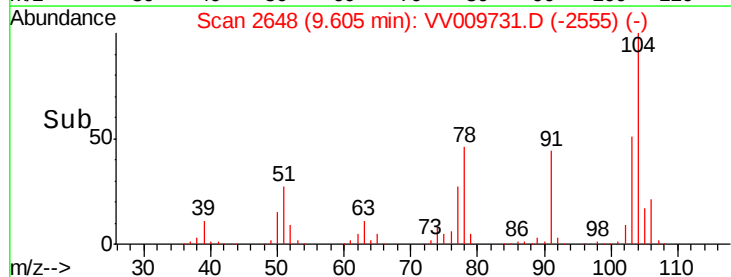
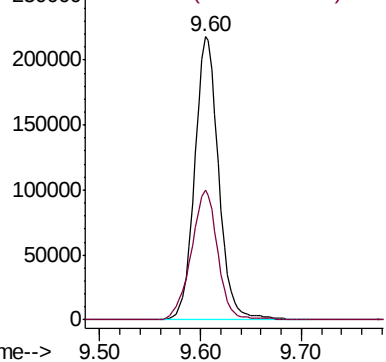


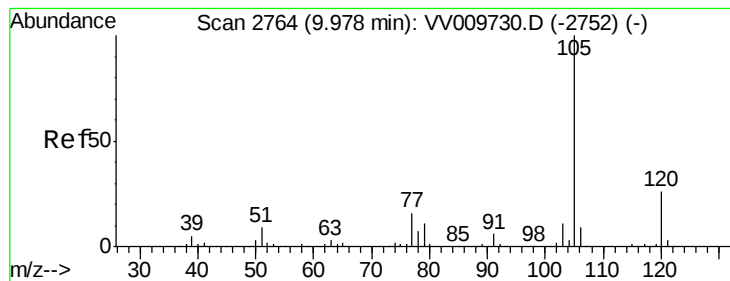
#55
Styrene
Concen: 121.465 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009731.D
Acq: 16 Mar 2019 15:38

Tgt Ion:104 Resp: 362893
Ion Ratio Lower Upper
104 100
78 45.7 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: 116.744 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

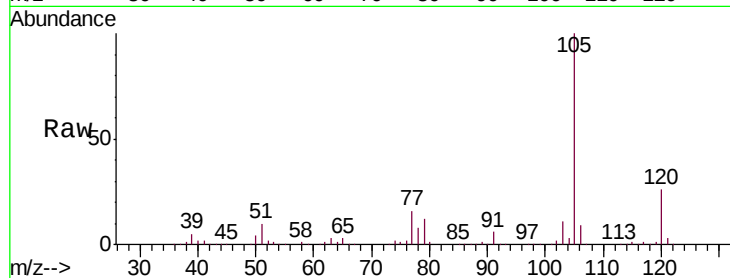
Tgt Ion: 105 Resp: 562121

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

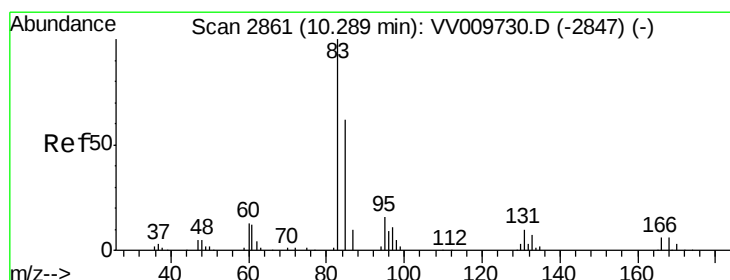
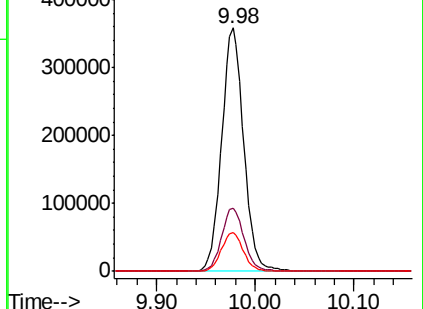
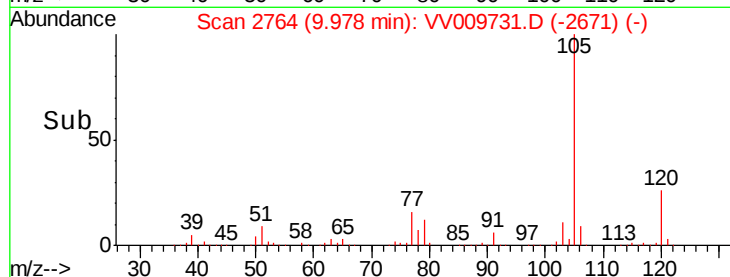
77 16.1 12.7 19.1



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: 114.550 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

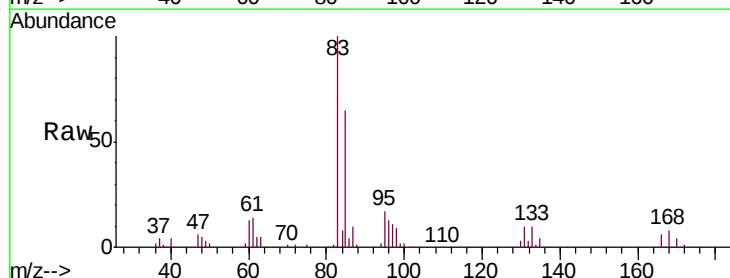
Tgt Ion: 83 Resp: 196651

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

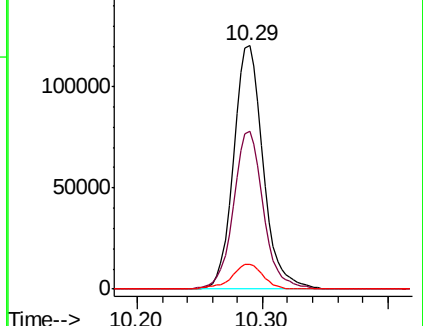
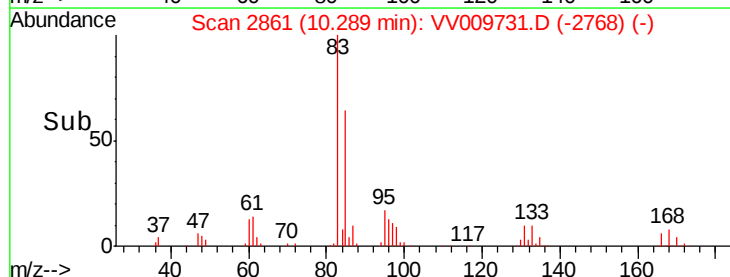
131 10.1 8.4 12.6

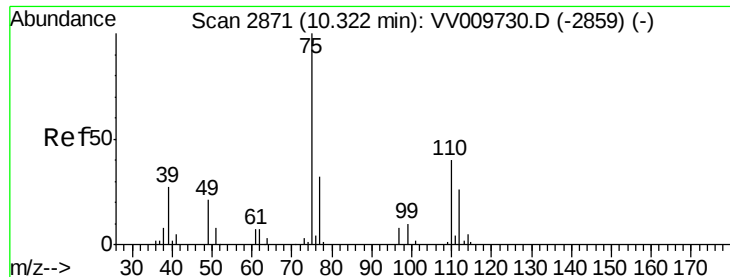


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 115.124 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

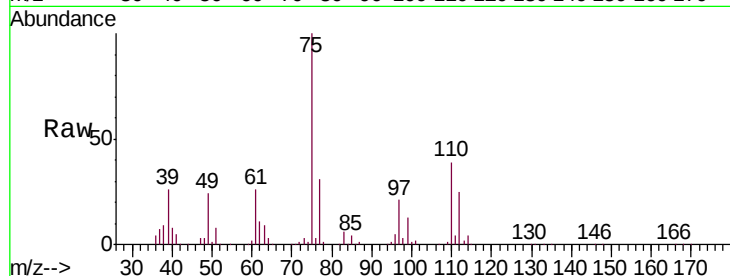
VSTD10065

Tgt Ion: 75 Resp: 146440

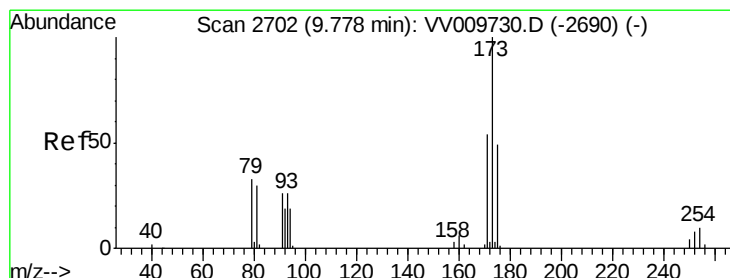
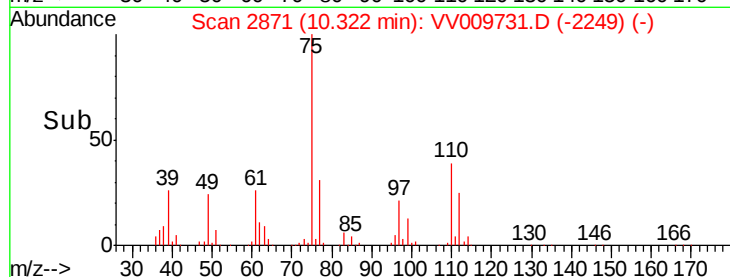
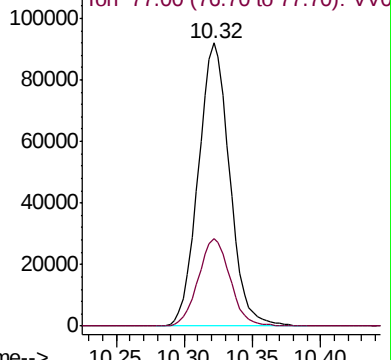
Ion Ratio Lower Upper

75 100

77 31.5 26.2 39.4



Abundance Ion 75.00 (74.70 to 75.70): VV009731.D (-2249) (-)



#61

Bromoform

Concen: 114.316 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

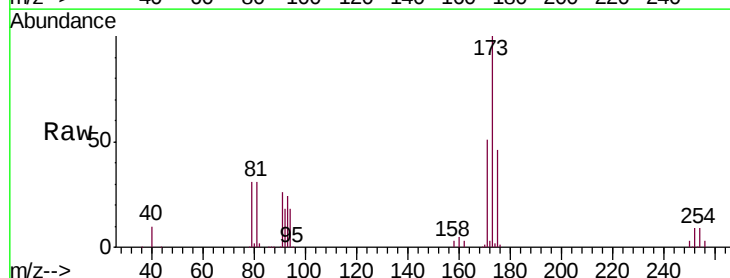
Tgt Ion: 173 Resp: 93564

Ion Ratio Lower Upper

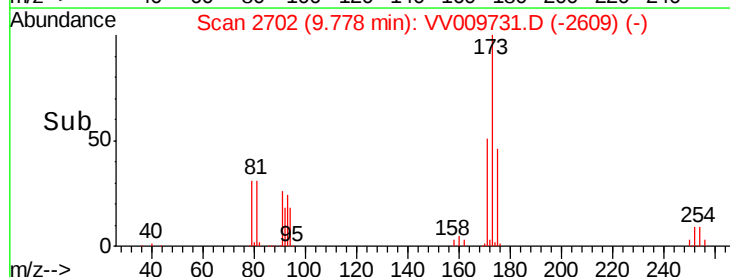
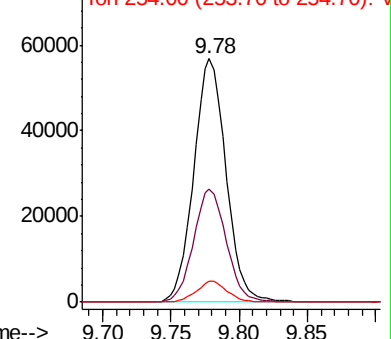
173 100

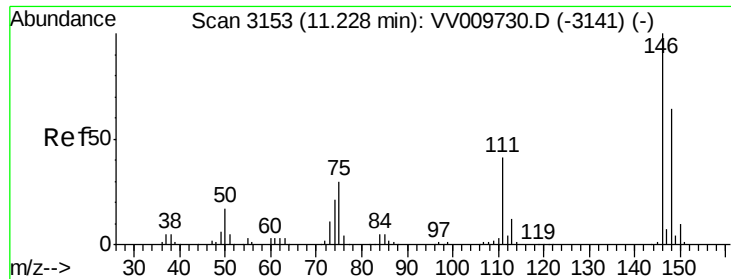
175 47.1 38.6 58.0

254 8.2 6.8 10.2



Abundance Ion 173.00 (172.70 to 173.70): VV009731.D (-2609) (-)

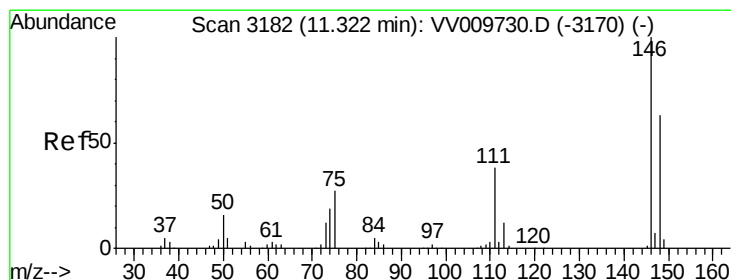
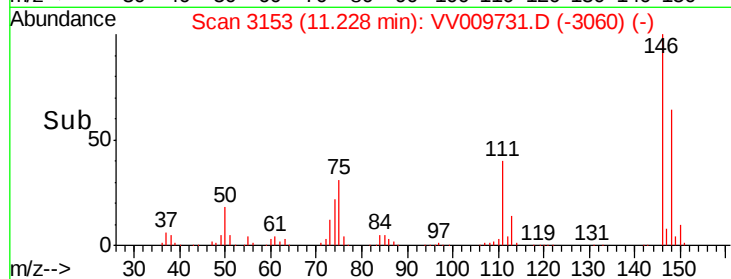
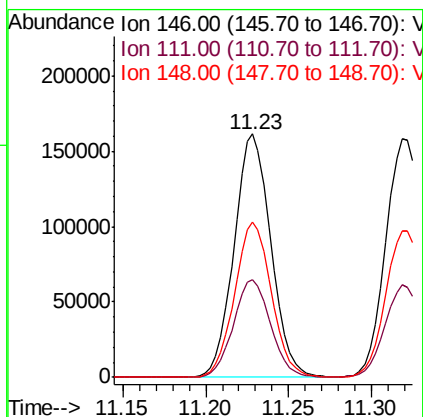
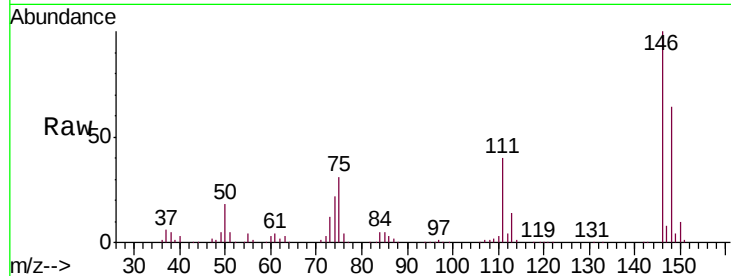




#62
 1,3-Dichlorobenzene
 Concen: 111.663 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

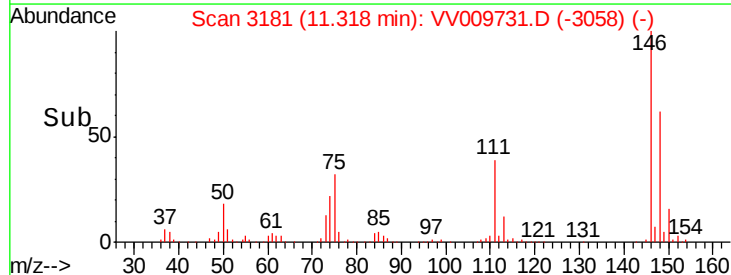
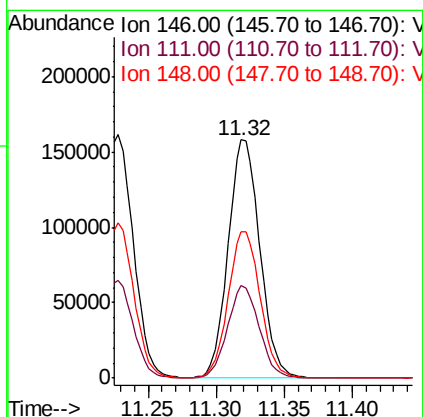
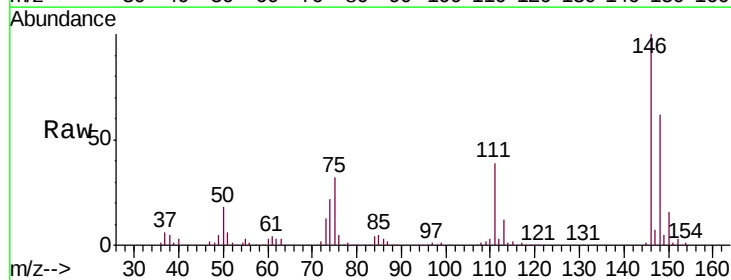
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

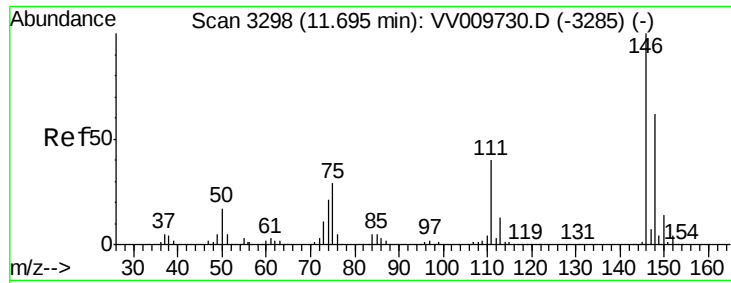
Tgt Ion:146 Resp: 248926
 Ion Ratio Lower Upper
 146 100
 111 40.2 28.8 53.4
 148 63.8 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 116.115 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

Tgt Ion:146 Resp: 255336
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.7 49.5
 148 61.7 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 110.029 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampled :

VSTD10065

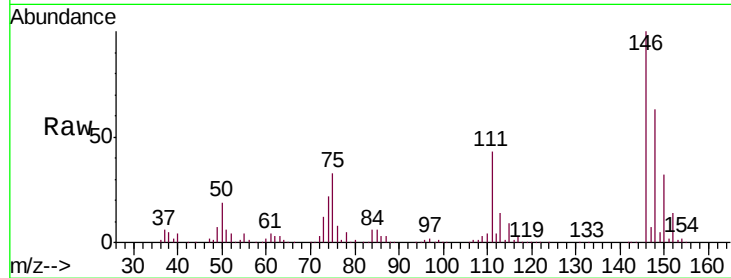
Tgt Ion: 146 Resp: 250756

Ion Ratio Lower Upper

146 100

111 42.8 32.2 48.4

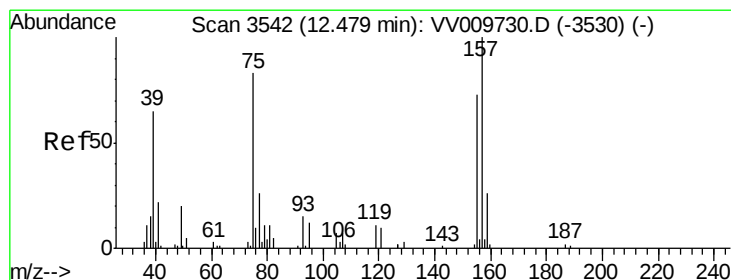
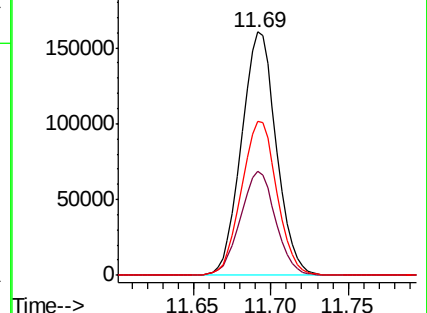
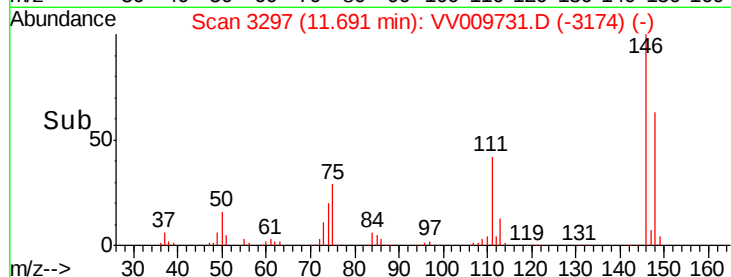
148 63.4 49.6 74.4



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: 112.600 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

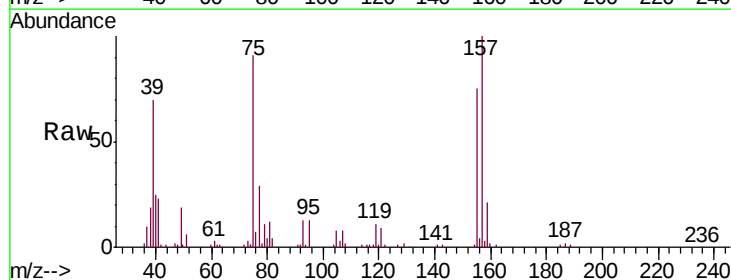
Tgt Ion: 75 Resp: 38290

Ion Ratio Lower Upper

75 100

155 82.5 70.3 105.5

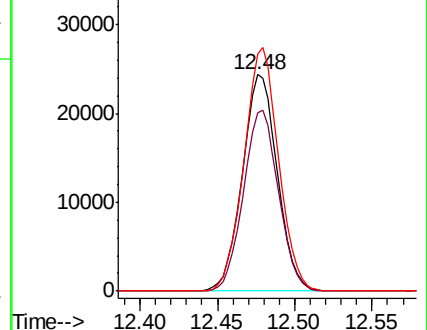
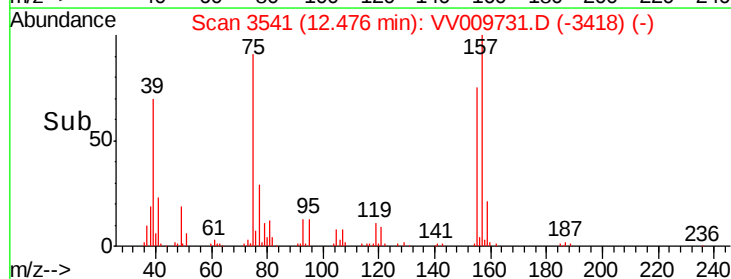
157 109.9 96.8 145.2

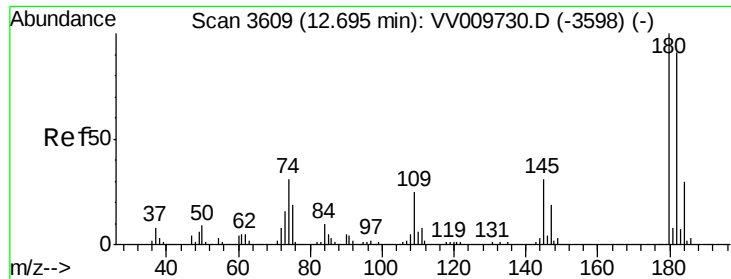


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

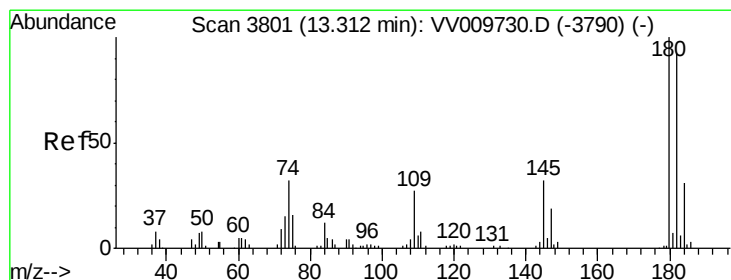
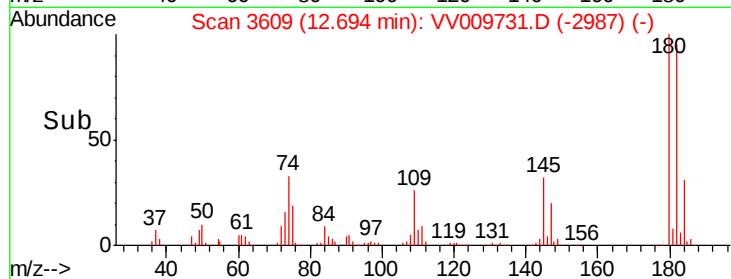
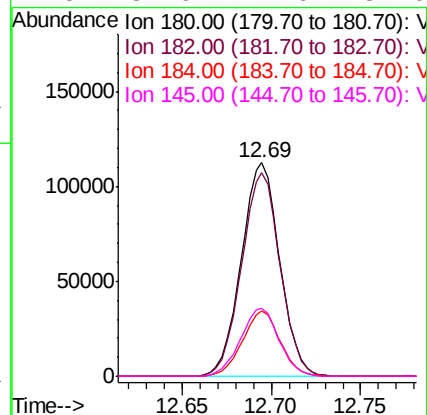
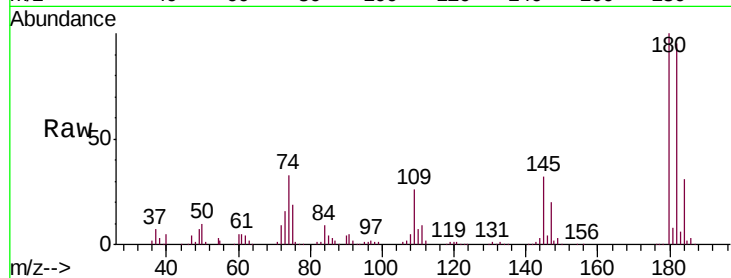




#67
 1,3,5-Trichlorobenzene
 Concen: 116.827 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

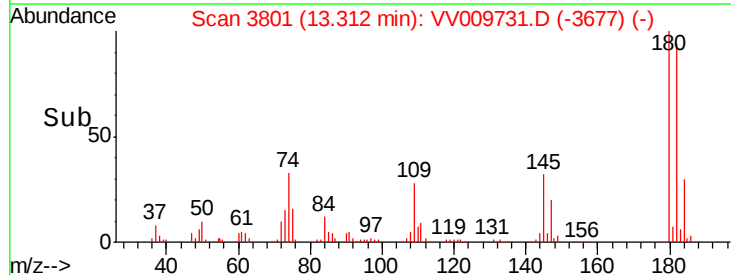
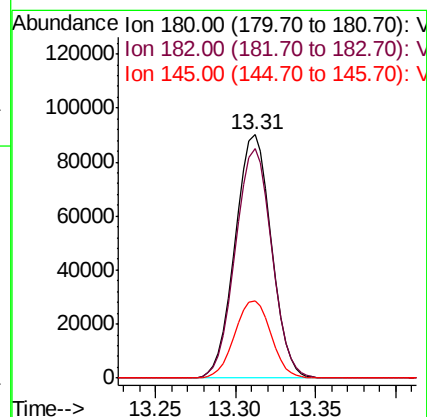
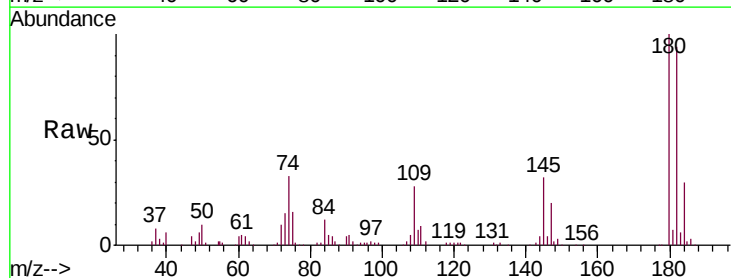
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10065

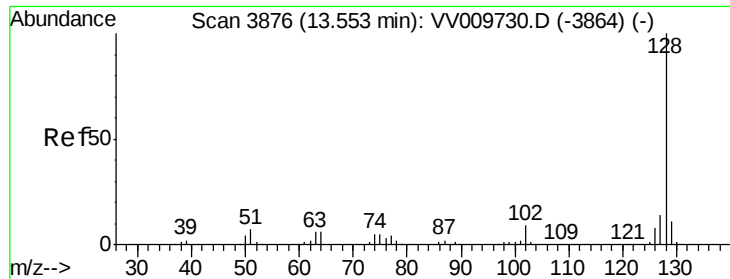
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	73.9	110.9
184	29.9	23.4	35.2
145	31.9	24.6	37.0



#68
 1,2,4-trichlorobenzene
 Concen: 136.851 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009731.D
 Acq: 16 Mar 2019 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.7	113.5
145	31.8	25.3	37.9





#69

Naphthalene

Concen: 145.927 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

Instrument :

MSVOA_V

ClientSampleId :

VSTD10065

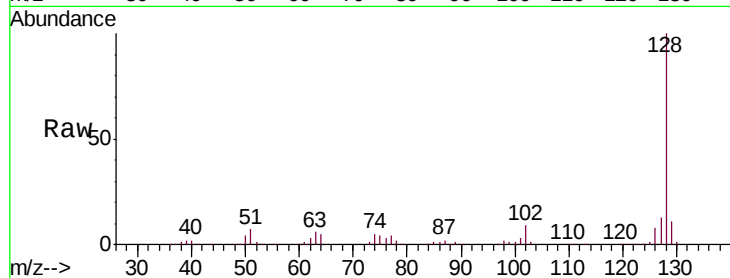
Tgt Ion:128 Resp: 411987

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

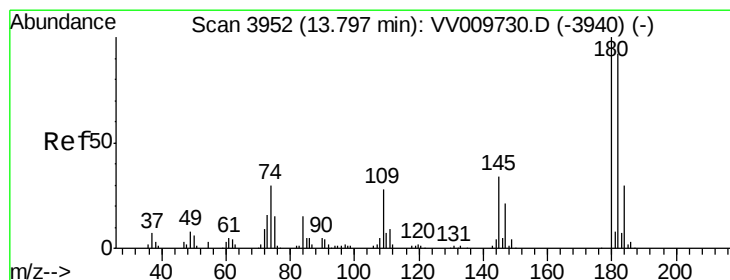
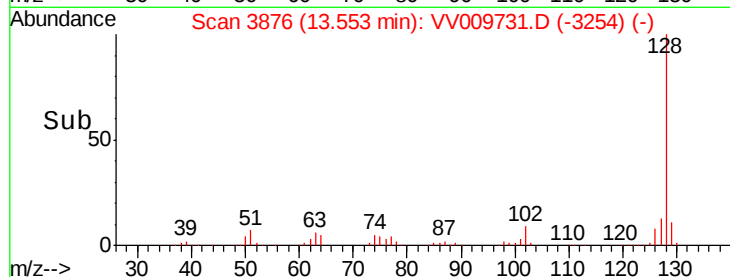
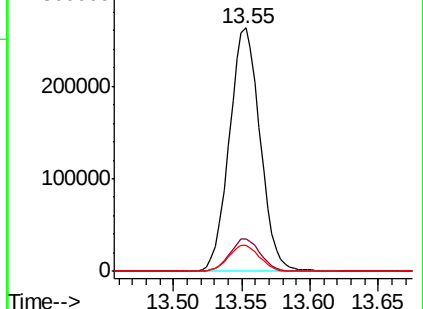
129 10.8 8.6 12.8



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: 132.927 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009731.D

Acq: 16 Mar 2019 15:38

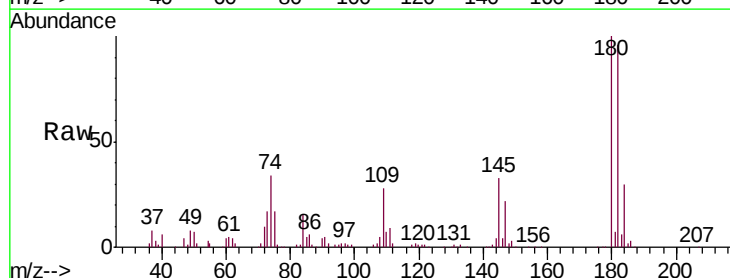
Tgt Ion:180 Resp: 139957

Ion Ratio Lower Upper

180 100

182 94.3 73.3 109.9

145 34.1 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

