

Data File : VV009733.D
Acq On : 16 Mar 2019 16:51
Operator : SY/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Quant Time: Mar 18 07:44:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031719WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 07:41:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	147118	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	149088	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66125	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49084	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.96%
7) Chloroethane-d5	1.56	69	38759	52.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.92%
11) 1,1-Dichloroethene-d2	2.12	63	101469	48.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.08%
21) 2-Butanone-d5	3.93	46	60622	102.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	4.40	84	90629	49.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.46%
26) 1,2-Dichloroethane-d4	5.08	65	56423	51.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.04%
32) Benzene-d6	5.10	84	187425	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
36) 1,2-Dichloropropane-d6	6.12	67	55870	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.36	98	185198	49.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.80%
43) trans-1,3-Dichloropropene-	7.66	79	27979	49.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.76%
47) 2-Hexanone-d5	8.13	63	48785	101.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.06%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	87928	48.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.74%
64) 1,2-Dichlorobenzene-d4	11.68	152	70876	52.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.94%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	51575	47.328 ug/L	98
3) Chloromethane	1.25	50	49138	48.318 ug/L	96
5) Vinyl chloride	1.32	62	52576	48.142 ug/L	99
6) Bromomethane	1.51	94	28016	48.171 ug/L	100
8) Chloroethane	1.58	64	30716	46.268 ug/L	97
9) Trichlorofluoromethane	1.76	101	86195	47.138 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47898	47.331 ug/L	99
12) 1,1-Dichloroethene	2.14	96	42393	48.334 ug/L	89
13) Acetone	2.19	43	47434	84.763 ug/L	96
14) Carbon disulfide	2.31	76	124957	48.857 ug/L	100
15) Methyl Acetate	2.46	43	43400	45.988 ug/L	99
16) Methylene chloride	2.53	84	49105	48.190 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	44770	47.660 ug/L	100
18) Methyl tert-butyl Ether	2.81	73	141813	47.765 ug/L	99
19) 1,1-Dichloroethane	3.23	63	81474	49.451 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	52976	49.256 ug/L	94
22) 2-Butanone	4.02	43	66679	94.414 ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26933	49.480	ug/L	99
25) Chloroform	4.43	83	86616	47.681	ug/L	99
27) 1,2-Dichloroethane	5.18	62	64625	47.812	ug/L	99
29) Cyclohexane	4.73	56	72453	45.410	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	75301	46.410	ug/L	99
31) Carbon tetrachloride	4.87	117	63327	47.245	ug/L	98
33) Benzene	5.15	78	191974	47.177	ug/L	100
34) Trichloroethene	5.96	95	49885	47.033	ug/L	99
35) Methylcyclohexane	6.18	83	80992	46.400	ug/L	99
37) 1,2-Dichloropropane	6.22	63	48918	47.140	ug/L #	95
38) Bromodichloromethane	6.56	83	64564	47.348	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	77458	48.864	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	128097	94.012	ug/L	100
42) Toluene	7.43	91	214568	47.315	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	73198	48.762	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	50152	46.723	ug/L	99
46) Tetrachloroethene	8.02	164	40511	45.755	ug/L	97
48) 2-Hexanone	8.19	43	92440	91.142	ug/L	99
49) Dibromochloromethane	8.29	129	55070	47.824	ug/L	98
50) 1,2-Dibromoethane	8.40	107	53547	47.843	ug/L	98
51) Chlorobenzene	8.93	112	145382	47.749	ug/L	99
52) Ethylbenzene	9.06	91	244820	47.598	ug/L	99
53) m,p-Xylene	9.18	106	92865	46.735	ug/L	98
54) o-Xylene	9.59	106	93663	46.874	ug/L	98
55) Styrene	9.61	104	154090	47.311	ug/L	97
56) Isopropylbenzene	9.98	105	246735	47.453	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	86292	46.261	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	64267	47.071	ug/L	99
61) Bromoform	9.78	173	37840	48.141	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	107250	49.439	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	106743	48.773	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	110264	49.814	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	15411	50.124	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	71698	51.968	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	52458	54.250	ug/L	97
69) Naphthalene	13.55	128	145398	52.546	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	55248	56.992	ug/L	99

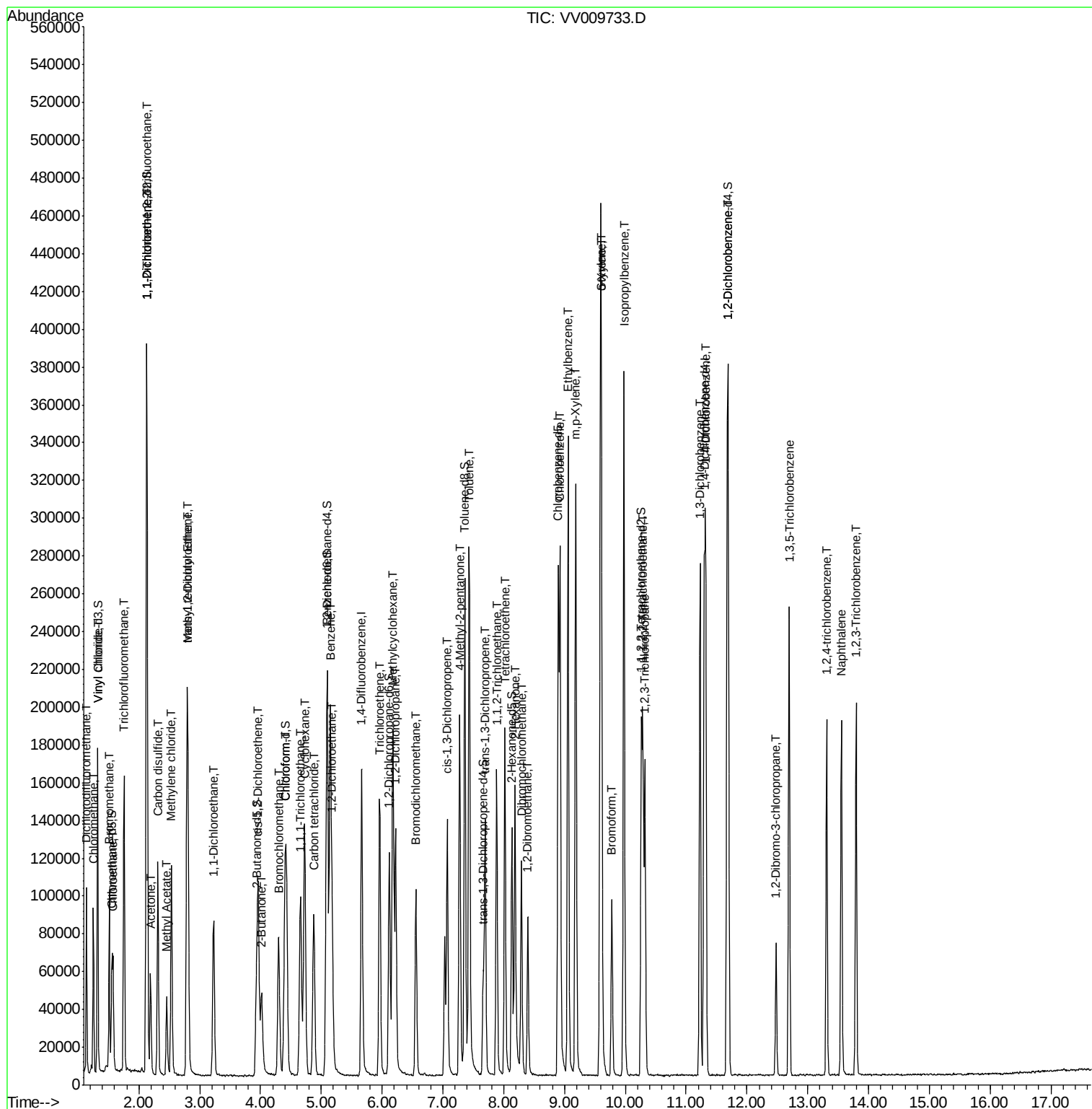
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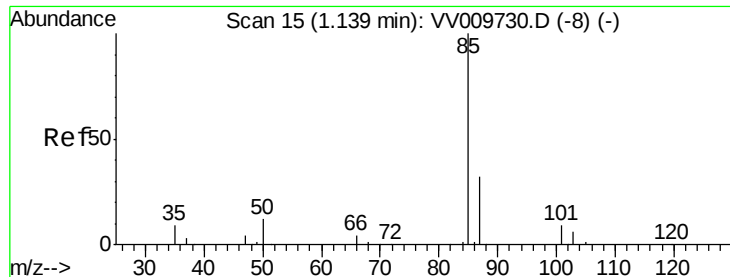
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#2

Dichlorodifluoromethane

Concen: 47.328 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

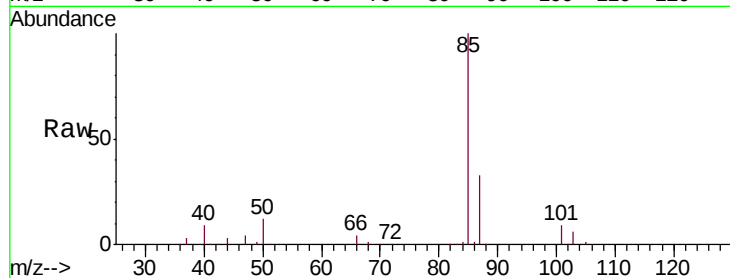
VICV67

Tgt Ion: 85 Resp: 51575

Ion Ratio Lower Upper

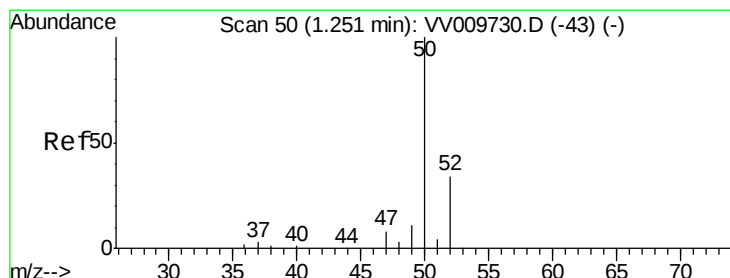
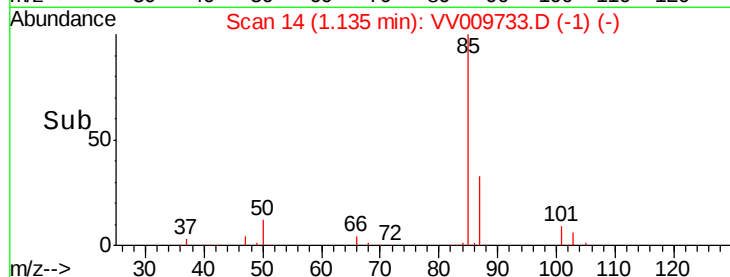
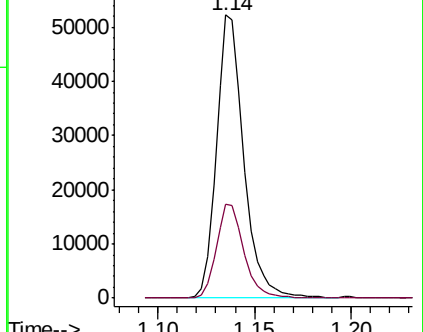
85 100

87 33.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV009733.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009733.D (-8) (-)



#3

Chloromethane

Concen: 48.318 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009733.D

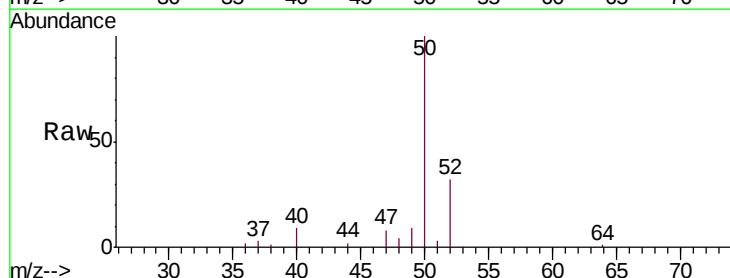
Acq: 16 Mar 2019 16:51

Tgt Ion: 50 Resp: 49138

Ion Ratio Lower Upper

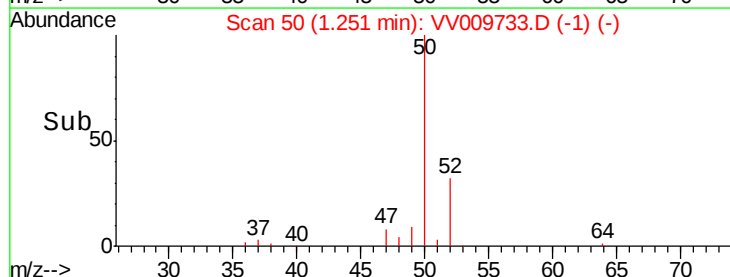
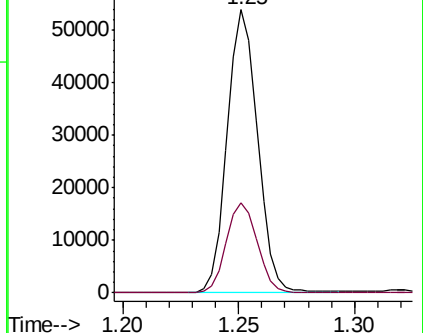
50 100

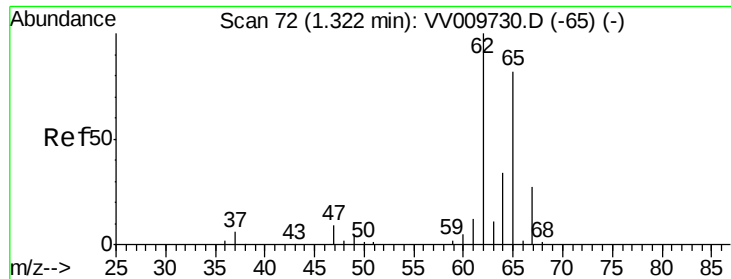
52 32.0 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VV009733.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009733.D (-43) (-)





#5

Vinyl chloride

Concen: 48.142 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

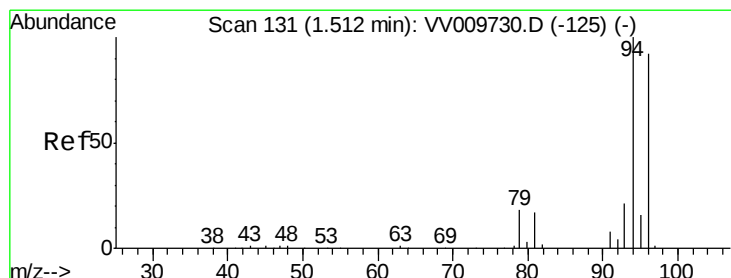
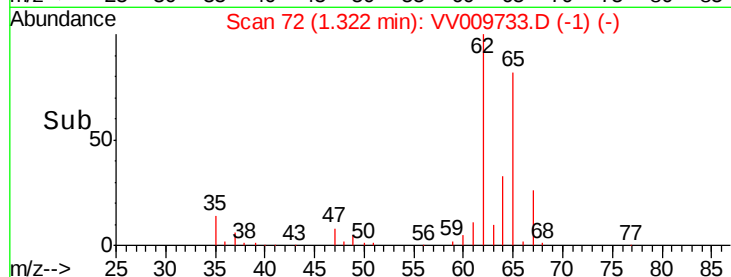
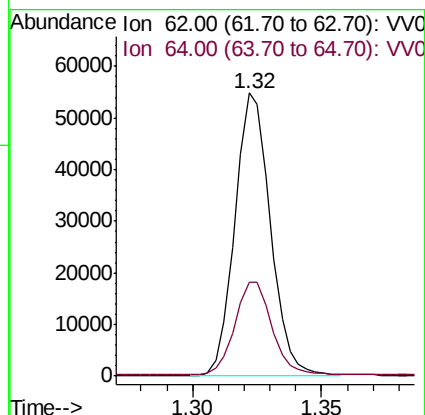
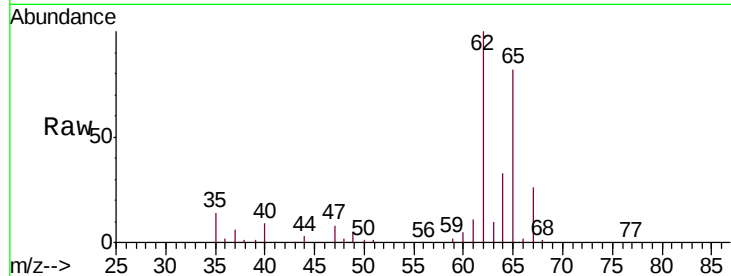
VICV67

Tgt Ion: 62 Resp: 52576

Ion Ratio Lower Upper

62 100

64 33.4 23.9 44.3



#6

Bromomethane

Concen: 48.171 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.00 min

Lab File: VV009733.D

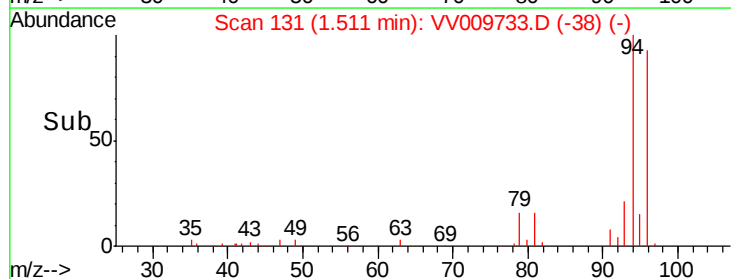
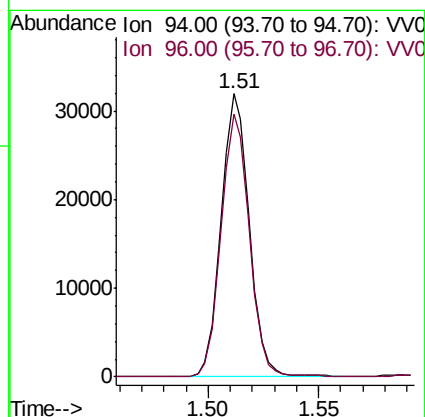
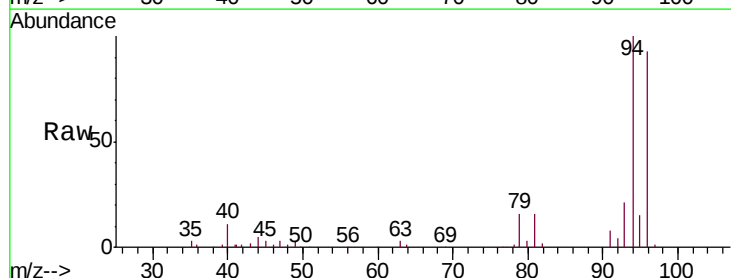
Acq: 16 Mar 2019 16:51

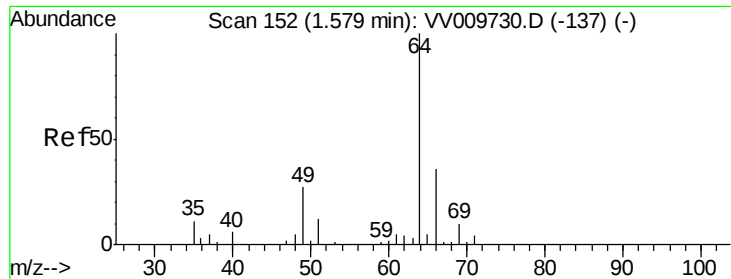
Tgt Ion: 94 Resp: 28016

Ion Ratio Lower Upper

94 100

96 92.7 64.6 120.0





#8

Chloroethane

Concen: 46.268 ug/L

RT: 1.58 min Scan# 151

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

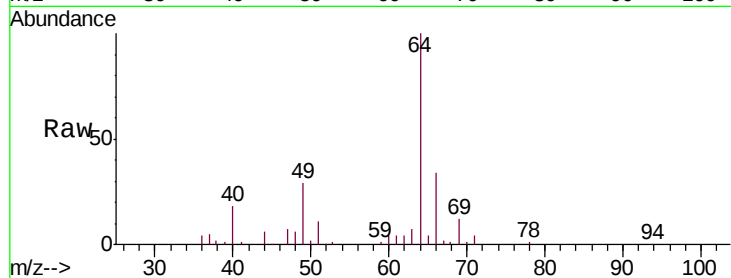
VICV67

Tgt Ion: 64 Resp: 30716

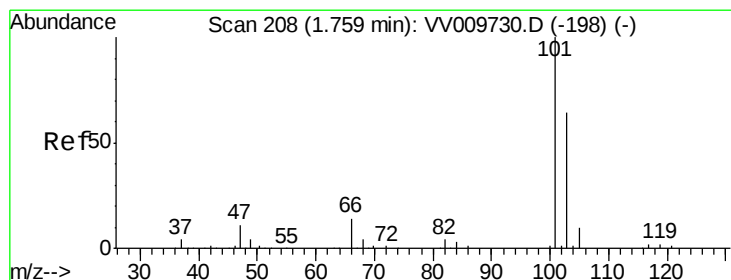
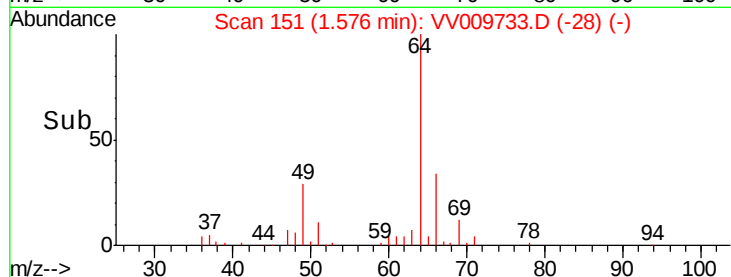
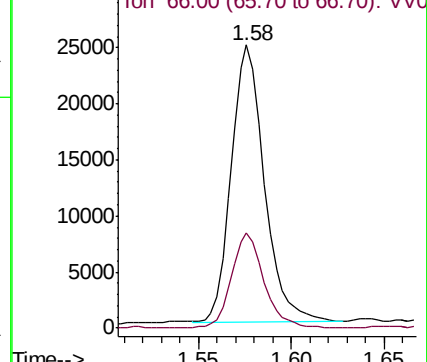
Ion Ratio Lower Upper

64 100

66 33.5 24.5 45.5



Abundance Ion 64.00 (63.70 to 64.70): VV009733.D (-137) (-)



#9

Trichlorofluoromethane

Concen: 47.138 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV009733.D

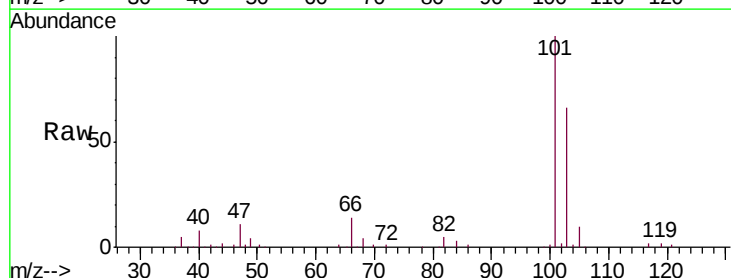
Acq: 16 Mar 2019 16:51

Tgt Ion: 101 Resp: 86195

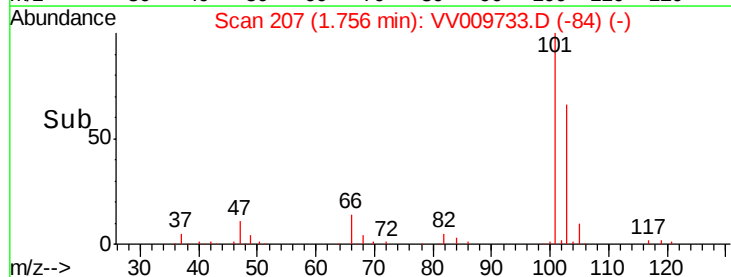
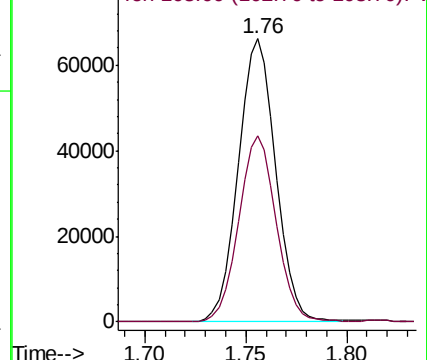
Ion Ratio Lower Upper

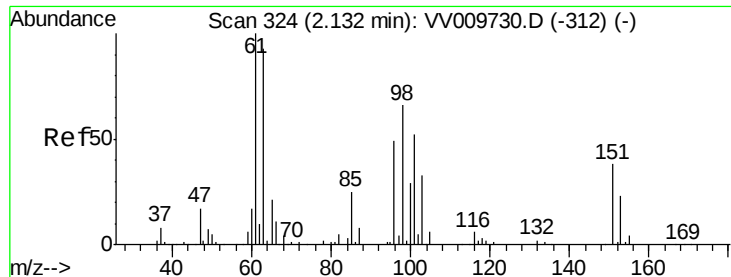
101 100

103 65.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009733.D (-198) (-)





#10

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

Concen: 47.331 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

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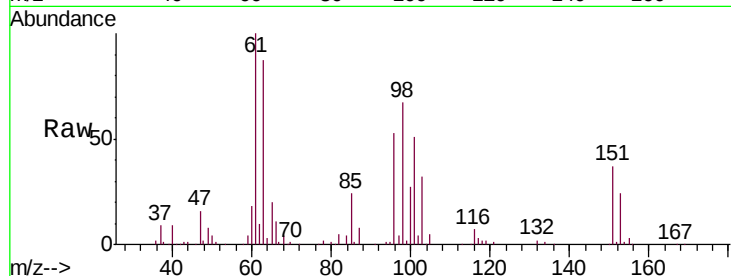
Tgt Ion: 101 Resp: 47898

Ion Ratio Lower Upper

101 100

85 47.0 38.5 57.7

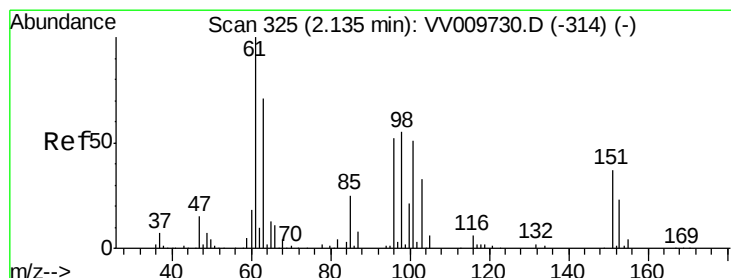
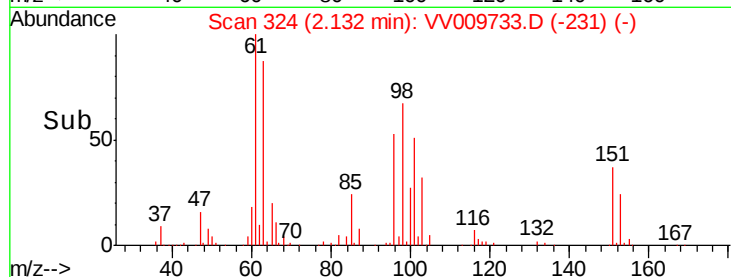
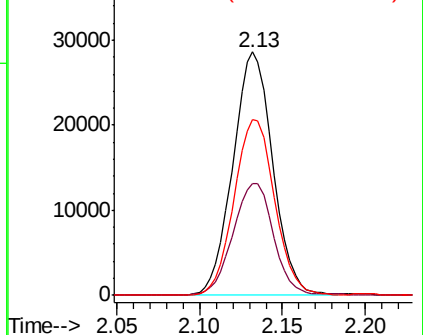
151 73.4 58.9 88.3



Abundance Ion 101.00 (100.70 to 101.70): VV009733.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009733.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009733.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 48.334 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

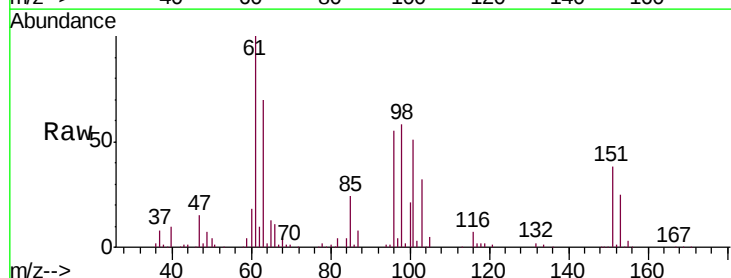
Tgt Ion: 96 Resp: 42393

Ion Ratio Lower Upper

96 100

61 181.2 135.5 251.7

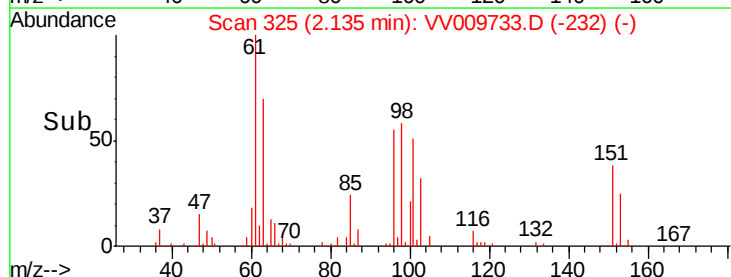
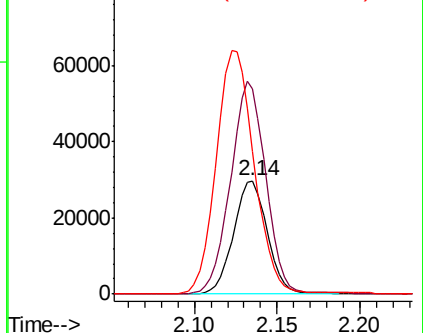
63 126.3 100.2 186.2

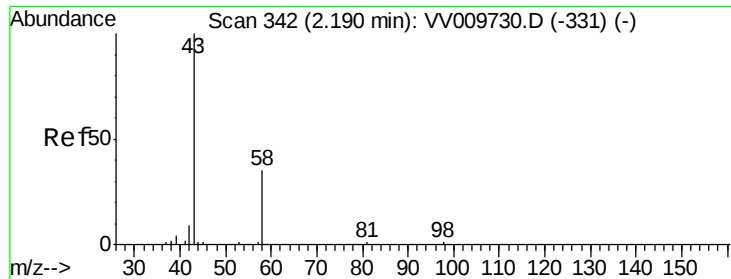


Abundance Ion 96.00 (95.70 to 96.70): VV009733.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009733.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009733.D (-314) (-)





#13

Acetone

Concen: 84.763 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

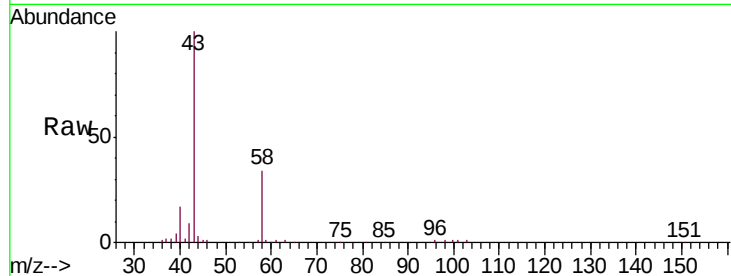
VICV67

Tgt Ion: 43 Resp: 47434

Ion Ratio Lower Upper

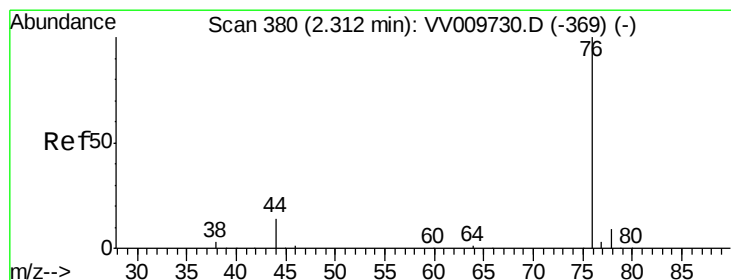
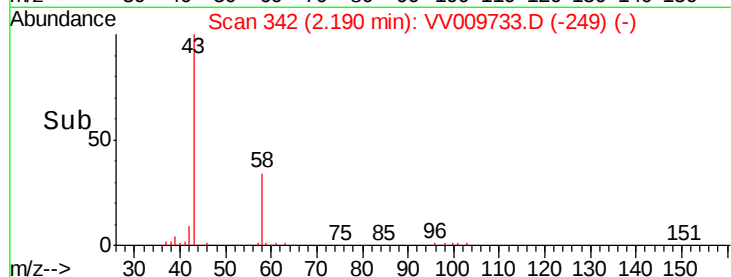
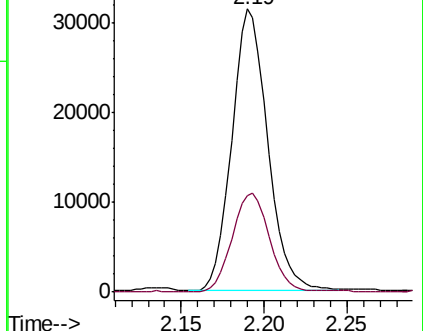
43 100

58 36.4 0.0 67.8



Abundance Ion 43.00 (42.70 to 43.70): VV009733.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009733.D (-331) (-)



#14

Carbon disulfide

Concen: 48.857 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009733.D

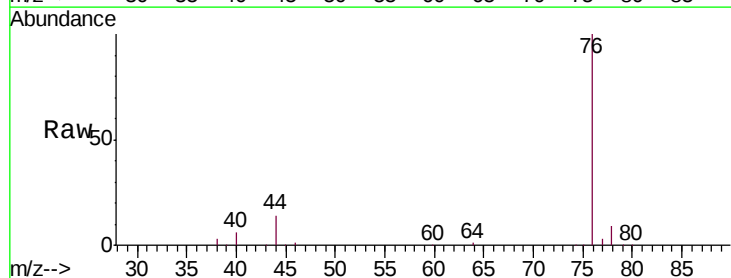
Acq: 16 Mar 2019 16:51

Tgt Ion: 76 Resp: 124957

Ion Ratio Lower Upper

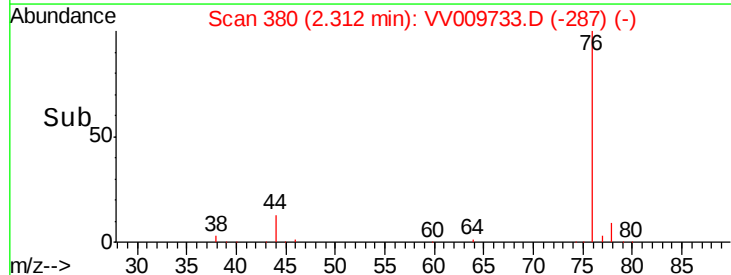
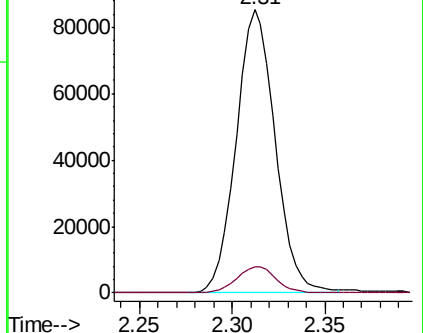
76 100

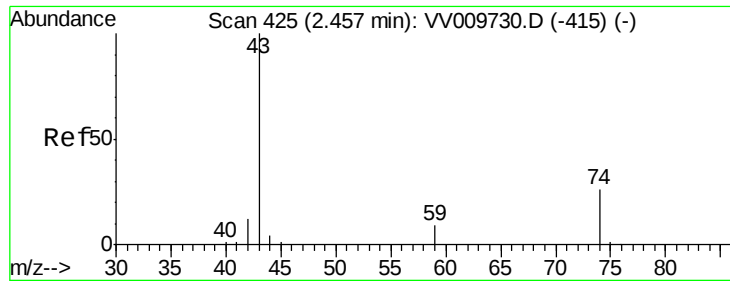
78 9.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV009733.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009733.D (-369) (-)

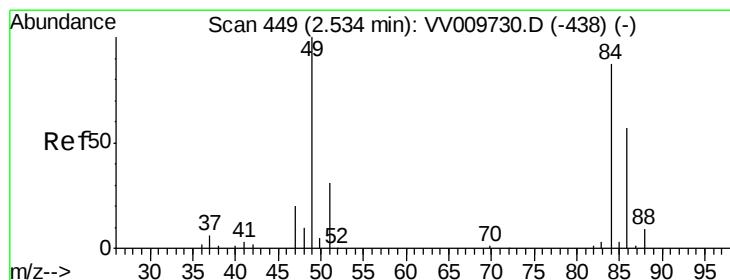
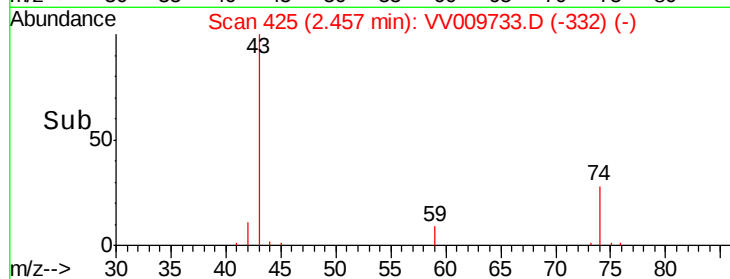
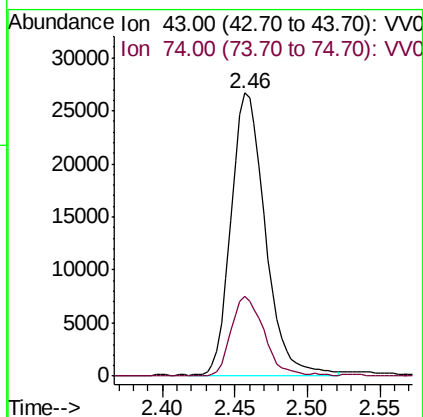
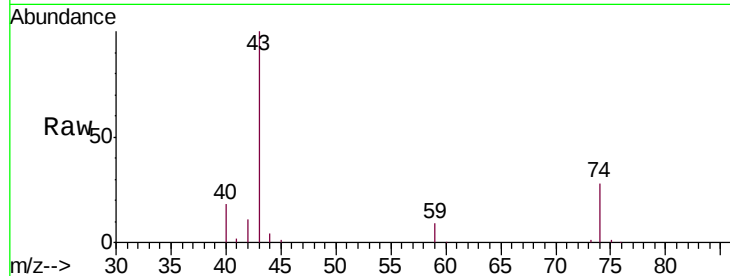




#15
Methyl Acetate
Concen: 45.988 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

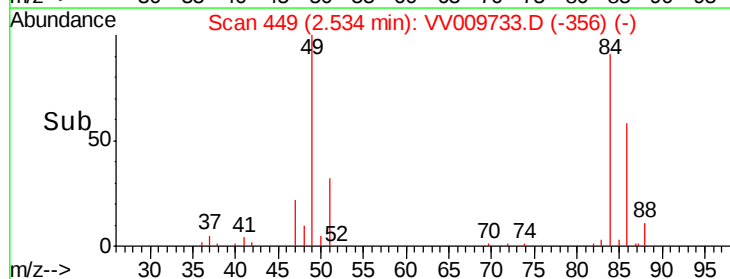
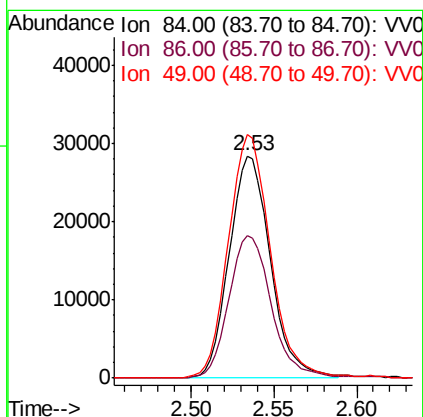
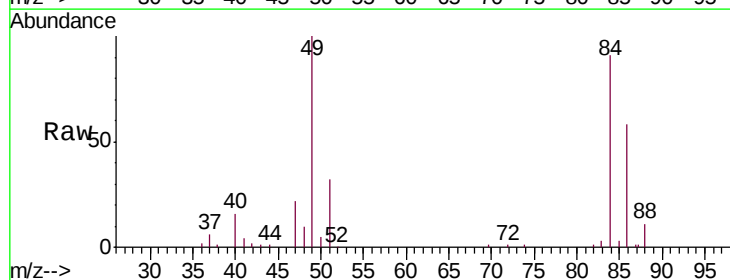
Instrument :
MSVOA_V
ClientSampleId :
VICV67

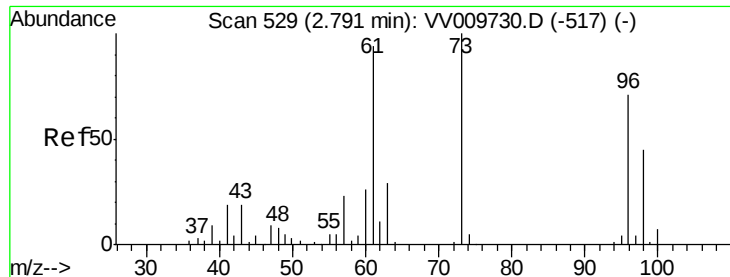
Tgt Ion: 43 Resp: 43400
Ion Ratio Lower Upper
43 100
74 27.3 21.3 31.9



#16
Methylene chloride
Concen: 48.190 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion: 84 Resp: 49105
Ion Ratio Lower Upper
84 100
86 63.9 45.8 85.2
49 109.6 80.6 149.6





#17

trans-1,2-Dichloroethene

Concen: 47.660 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampled :

VICV67

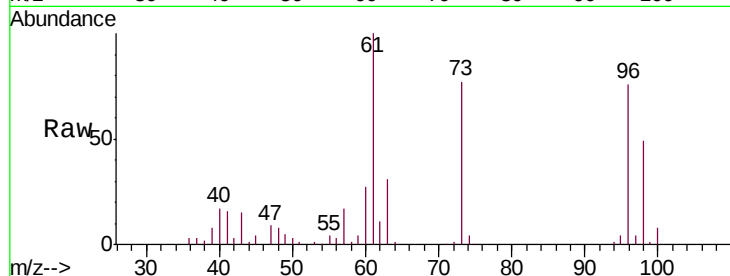
Tgt Ion: 96 Resp: 44770

Ion Ratio Lower Upper

96 100

61 131.7 92.0 170.9

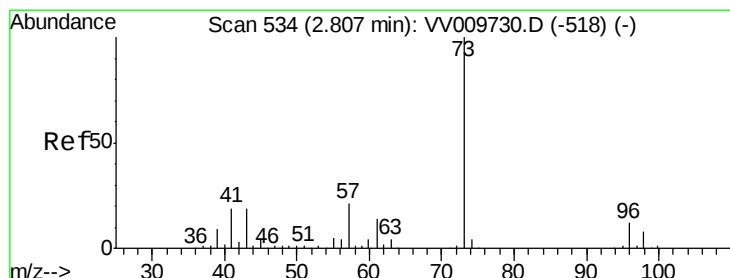
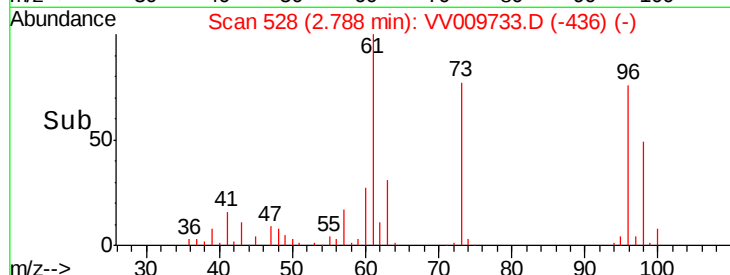
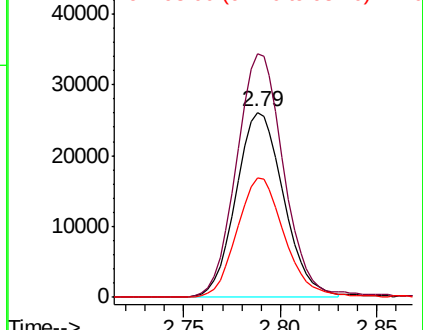
98 64.6 44.7 82.9



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: 47.765 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

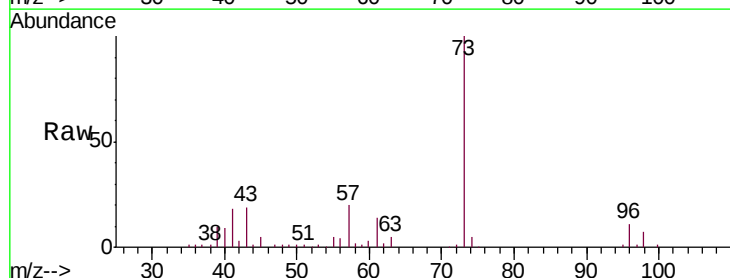
Tgt Ion: 73 Resp: 141813

Ion Ratio Lower Upper

73 100

43 19.0 15.2 22.8

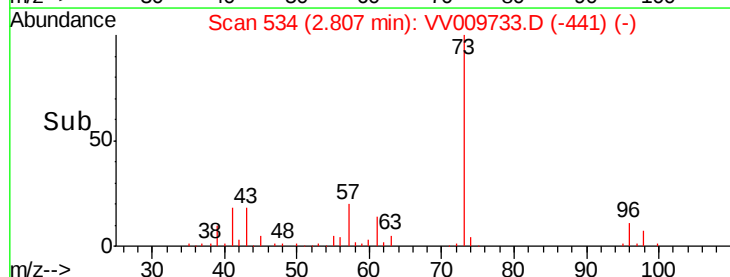
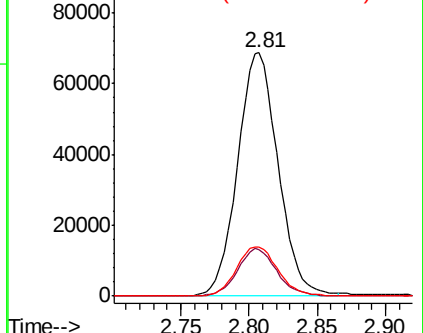
57 20.8 17.1 25.7

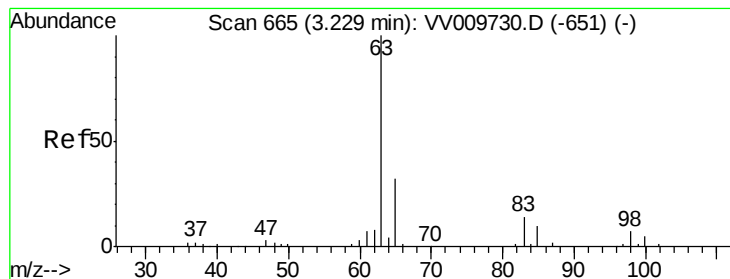


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.451 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

VICV67

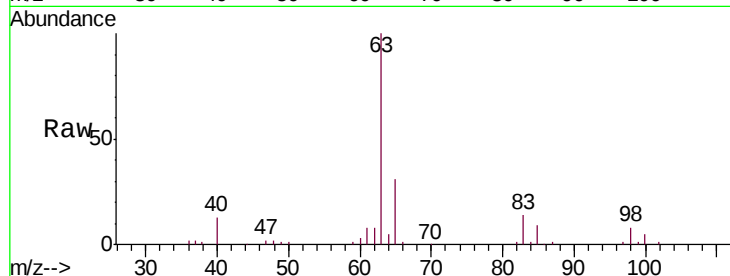
Tgt Ion: 63 Resp: 81474

Ion Ratio Lower Upper

63 100

65 31.0 22.7 42.3

83 14.3 9.8 18.2

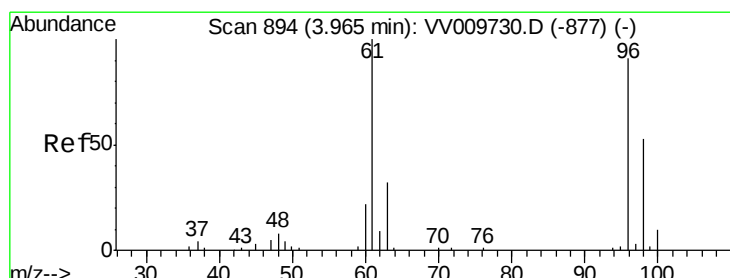
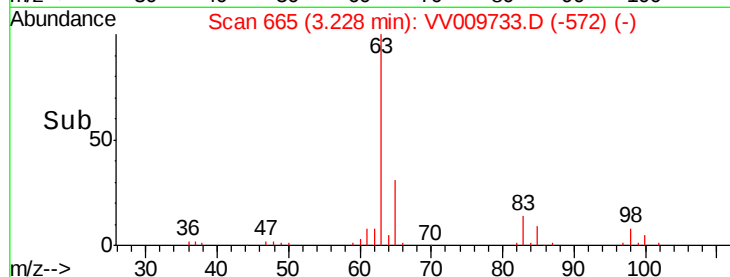


Abundance Ion 63.00 (62.70 to 63.70): VV009733.D (-651) (-)

Ion 65.00 (64.70 to 65.70): VV009733.D (-651) (-)

Ion 83.00 (82.70 to 83.70): VV009733.D (-651) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 49.256 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.01 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

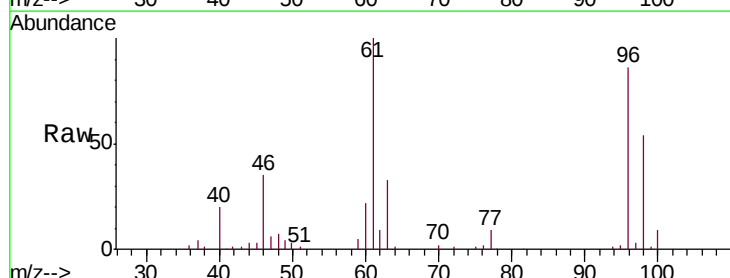
Tgt Ion: 96 Resp: 52976

Ion Ratio Lower Upper

96 100

61 116.9 77.5 143.9

68 0.0 0.0 0.0

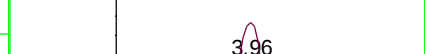
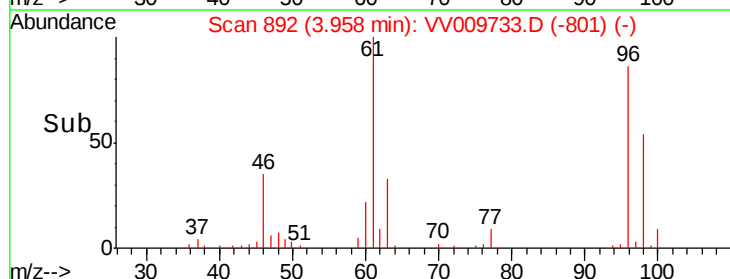


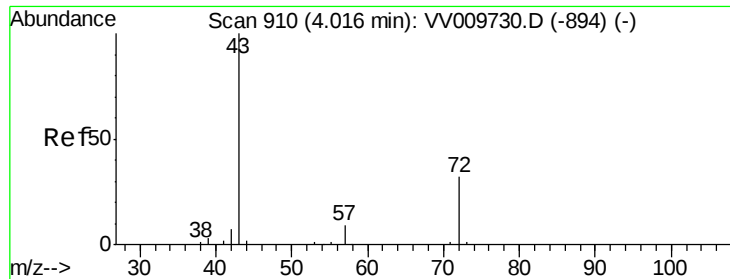
Abundance Ion 96.00 (95.70 to 96.70): VV009733.D (-801) (-)

Ion 61.00 (60.70 to 61.70): VV009733.D (-801) (-)

Ion 68.00 (67.70 to 68.70): VV009733.D (-801) (-)

Time-->





#22

2-Butanone

Concen: 94.414 ug/L

RT: 4.02 min Scan# 910

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampled :

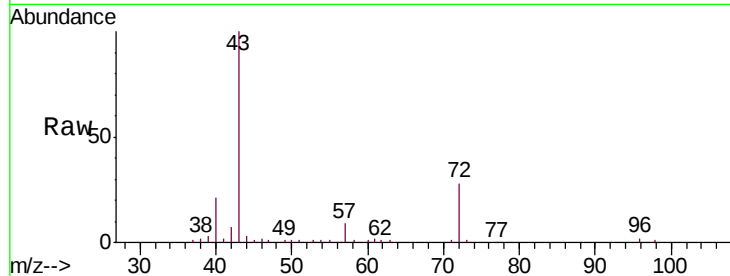
VICV67

Tgt Ion: 43 Resp: 66679

Ion Ratio Lower Upper

43 100

72 26.8 14.8 44.4



Abundance Ion 43.00 (42.70 to 43.70): VV009733.D (-894) (-)

Ion 72.00 (71.70 to 72.70): VV009733.D (-894) (-)

4.02

25000

20000

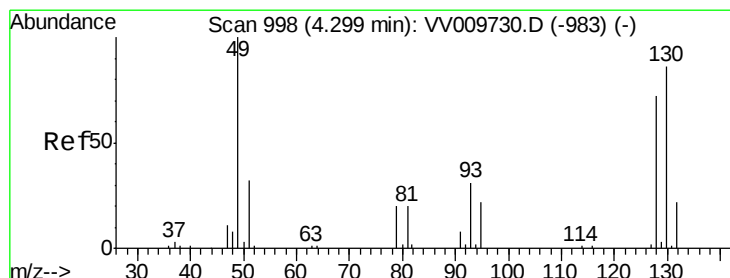
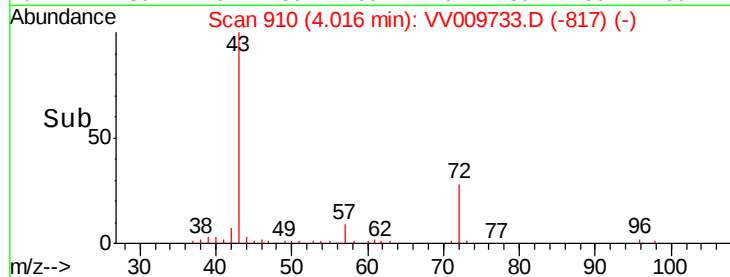
15000

10000

5000

0

Time-->



#23

Bromochloromethane

Concen: 49.480 ug/L

RT: 4.30 min Scan# 998

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Tgt Ion: 128 Resp: 26933

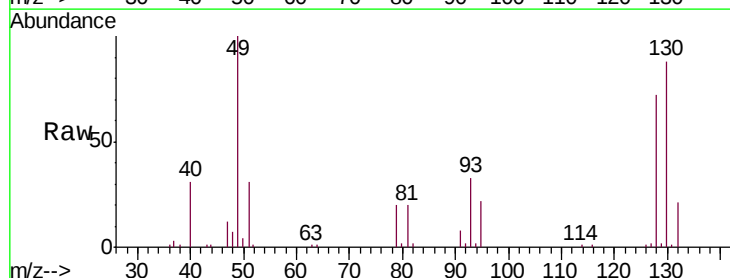
Ion Ratio Lower Upper

128 100

49 138.2 98.0 182.0

130 121.3 84.5 156.9

51 42.2 35.8 53.8



Abundance Ion 128.00 (127.70 to 128.70): VV009733.D (-983) (-)

Ion 49.00 (48.70 to 49.70): VV009733.D (-983) (-)

Ion 130.00 (129.70 to 130.70): VV009733.D (-983) (-)

Ion 51.00 (50.70 to 51.70): VV009733.D (-983) (-)

4.30

25000

20000

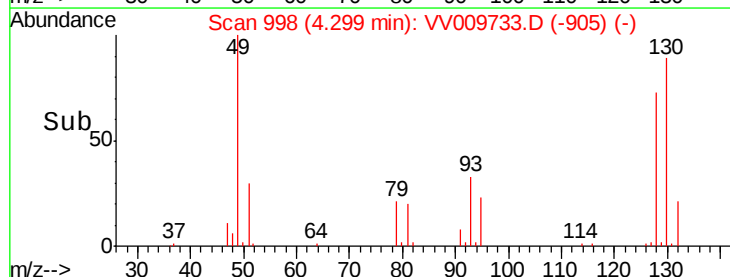
15000

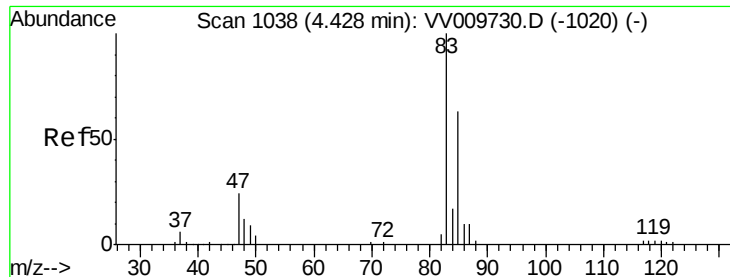
10000

5000

0

Time-->

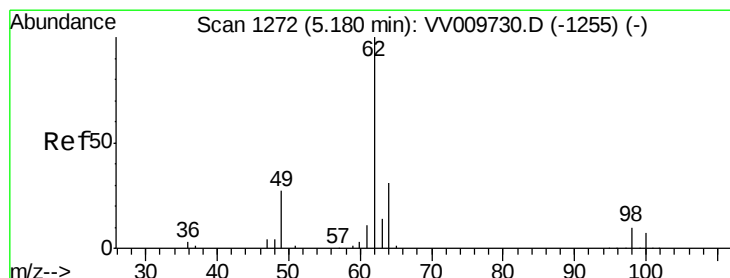
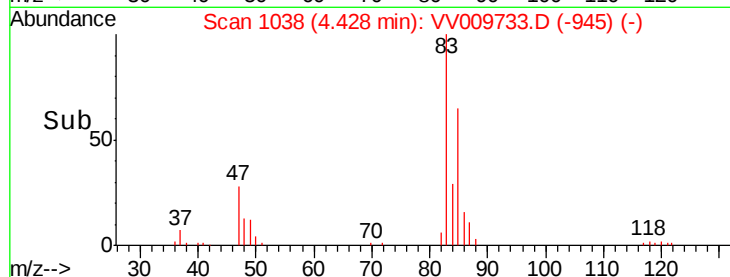
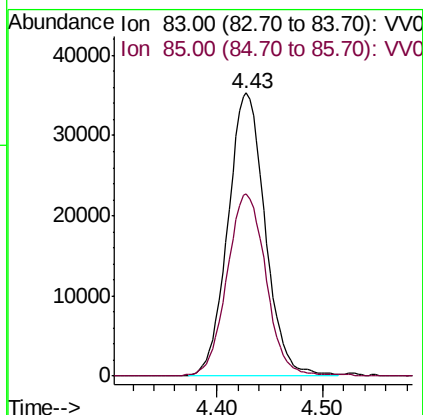
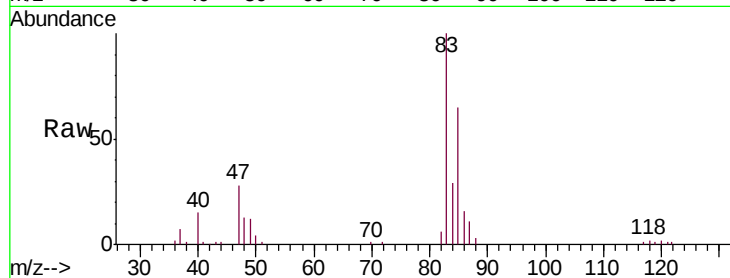




#25
Chloroform
Concen: 47.681 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

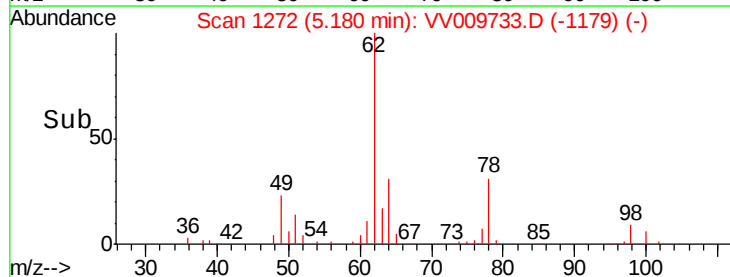
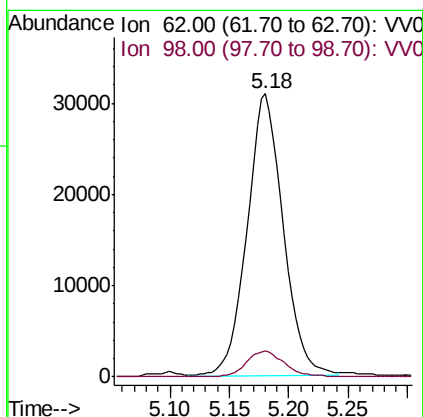
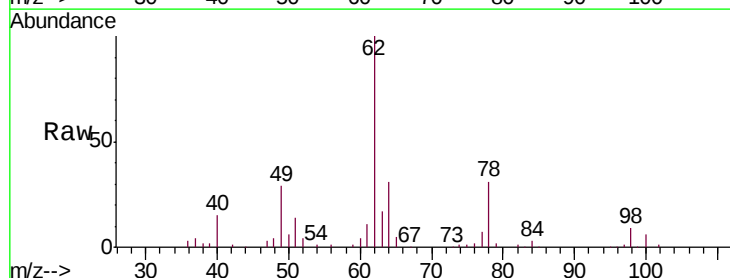
Instrument :
MSVOA_V
ClientSampleId :
VICV67

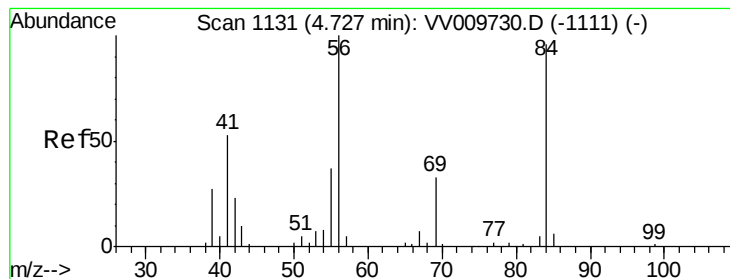
Tgt Ion: 83 Resp: 86616
Ion Ratio Lower Upper
83 100
85 64.6 44.6 82.8



#27
1,2-Dichloroethane
Concen: 47.812 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion: 62 Resp: 64625
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6





#29

Cyclohexane

Concen: 45.410 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

VICV67

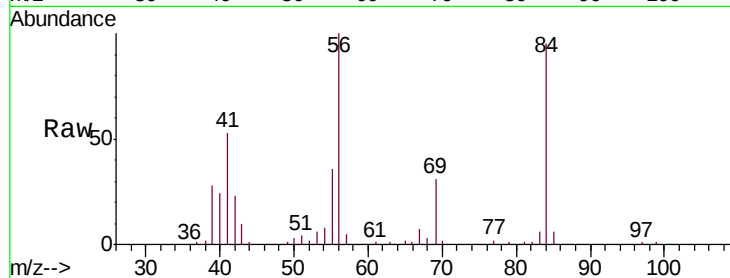
Tgt Ion: 56 Resp: 72453

Ion Ratio Lower Upper

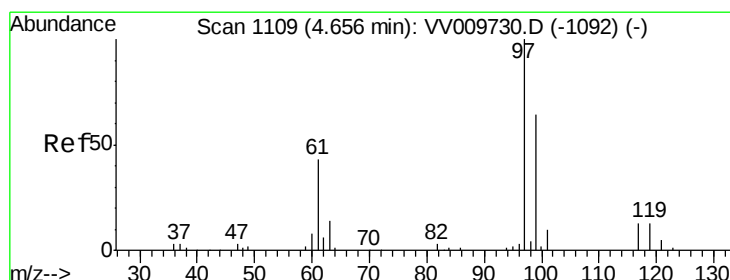
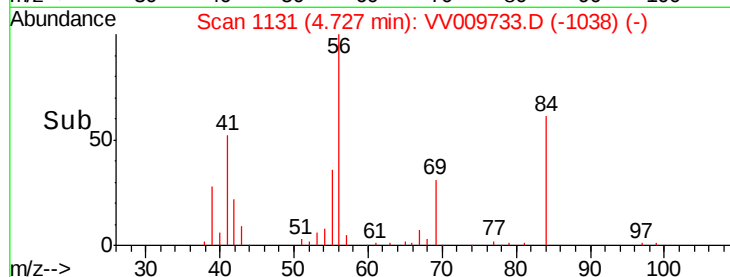
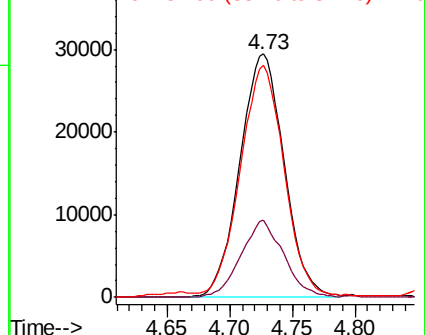
56 100

69 30.5 25.8 38.6

84 92.5 75.8 113.6



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 46.410 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

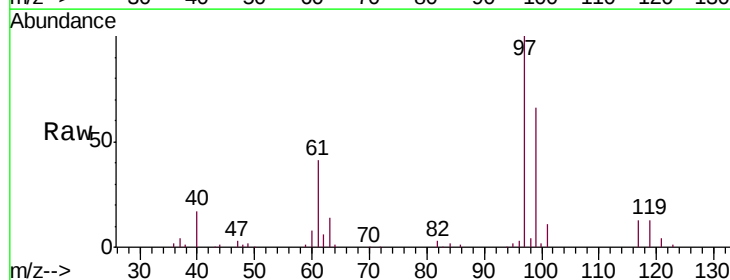
Tgt Ion: 97 Resp: 75301

Ion Ratio Lower Upper

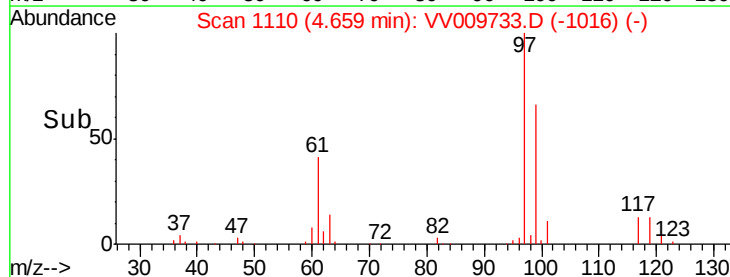
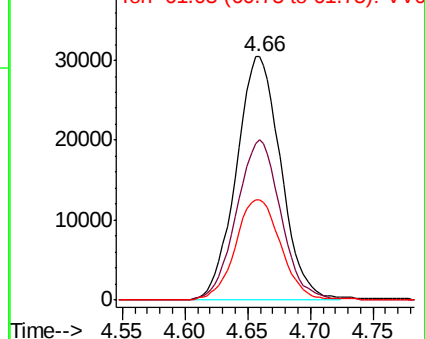
97 100

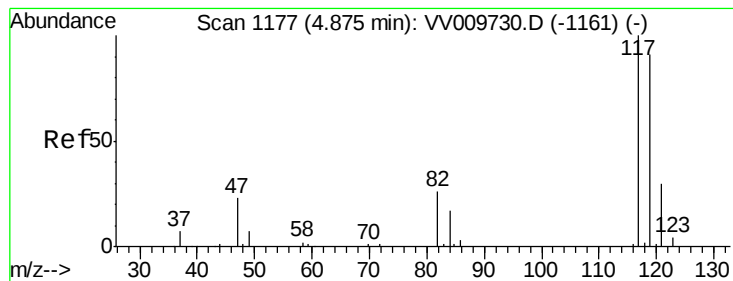
99 65.2 50.9 76.3

61 42.3 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 47.245 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

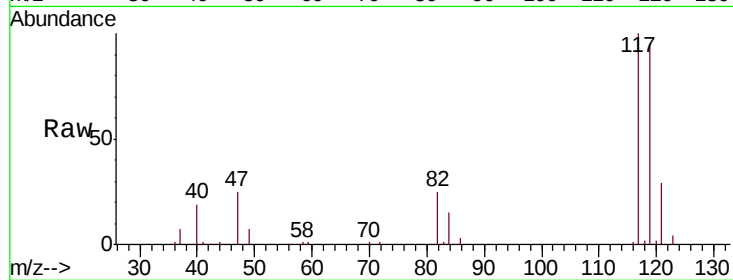
VICV67

Tgt Ion:117 Resp: 63327

Ion Ratio Lower Upper

117 100

119 95.5 74.9 112.3



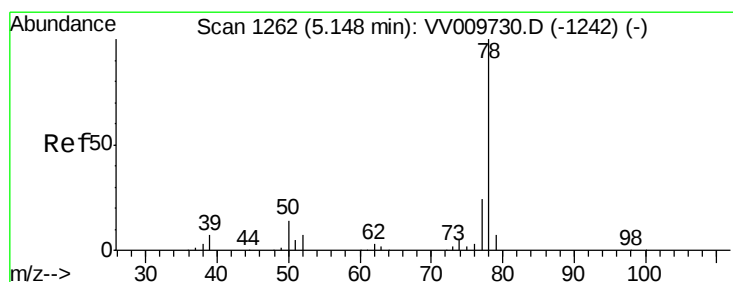
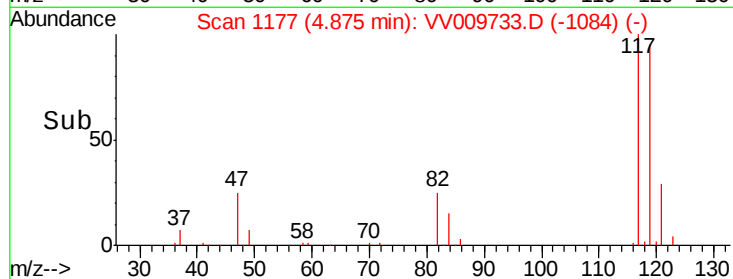
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 47.177 ug/L

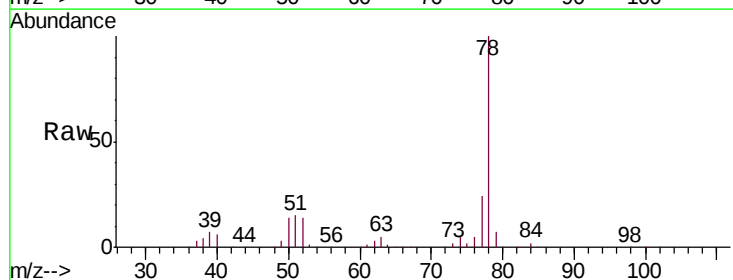
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Tgt Ion: 78 Resp: 191974

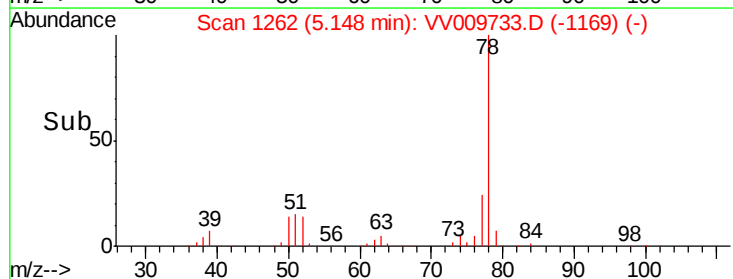


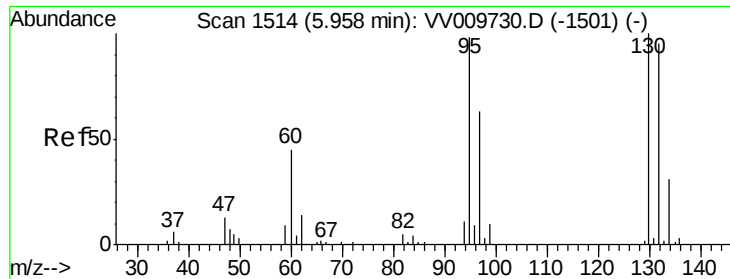
Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

Time-->

5.00 5.10 5.20

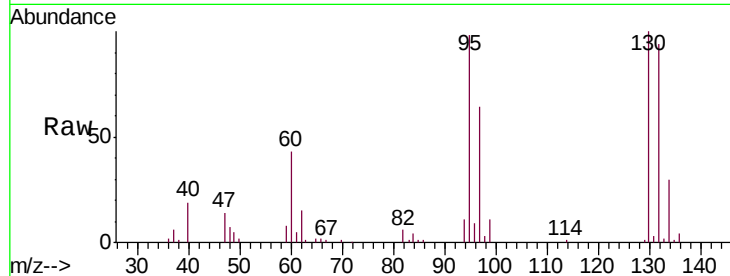




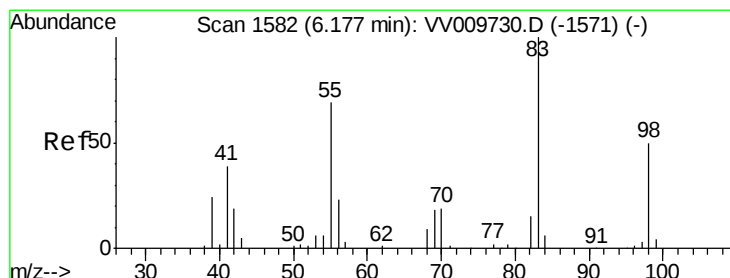
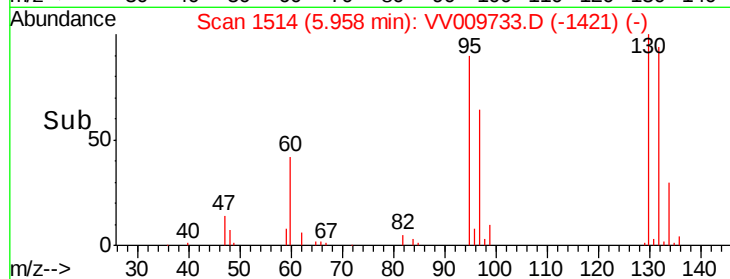
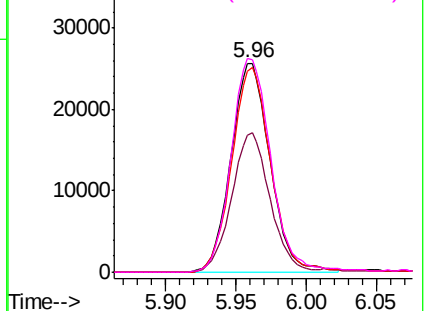
#34
 Trichloroethene
 Concen: 47.033 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion: 95 Resp: 49885
 Ion Ratio Lower Upper
 95 100
 97 65.8 45.1 83.9
 132 96.5 68.0 126.2
 130 102.3 71.3 132.3

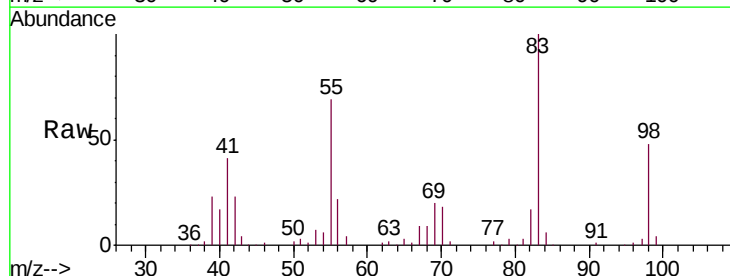


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

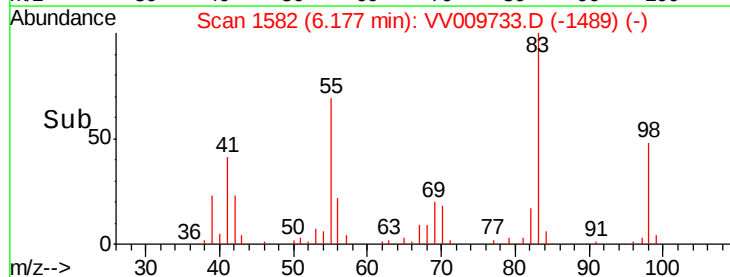
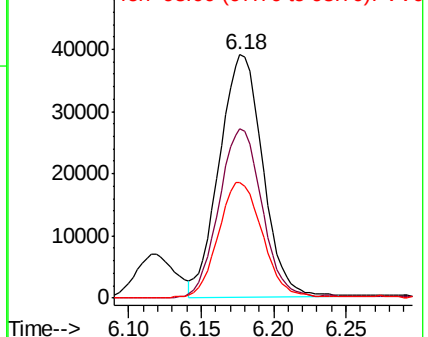


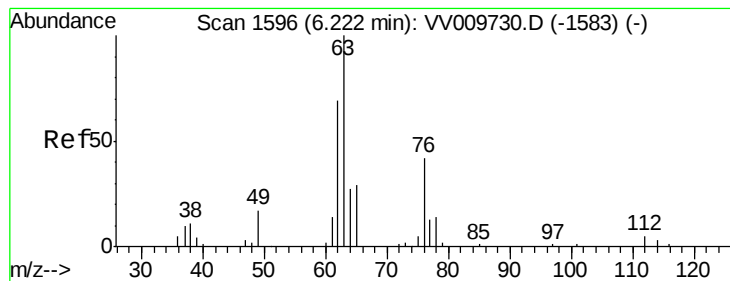
#35
 Methylcyclohexane
 Concen: 46.400 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion: 83 Resp: 80992
 Ion Ratio Lower Upper
 83 100
 55 68.8 54.2 81.4
 98 47.9 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: 47.140 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

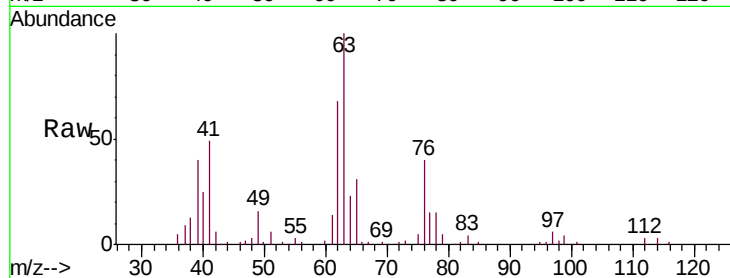
VICV67

Tgt Ion: 63 Resp: 48918

Ion Ratio Lower Upper

63 100

112 2.8 3.6 5.4#

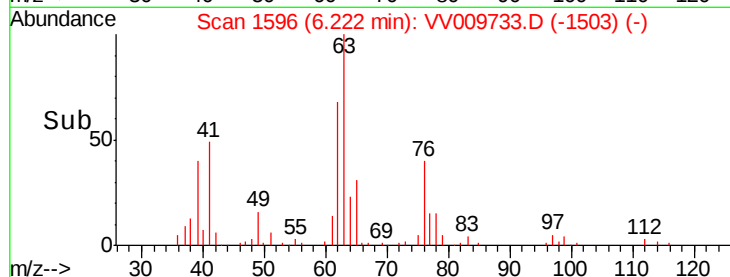


Abundance Ion 63.00 (62.70 to 63.70): VV009733.D (-1583) (-)

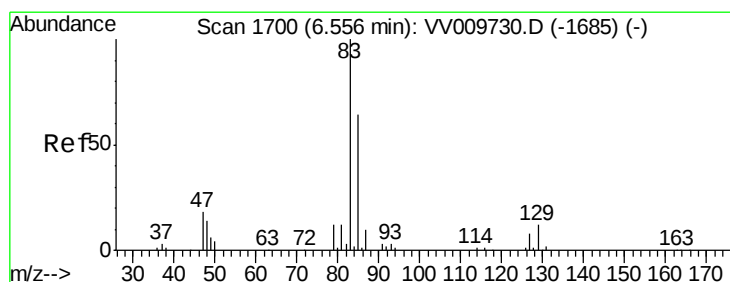
Ion 112.00 (111.70 to 112.70): VV009733.D (-1583) (-)

6.22

Time-->



Time-->



#38

Bromodichloromethane

Concen: 47.348 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

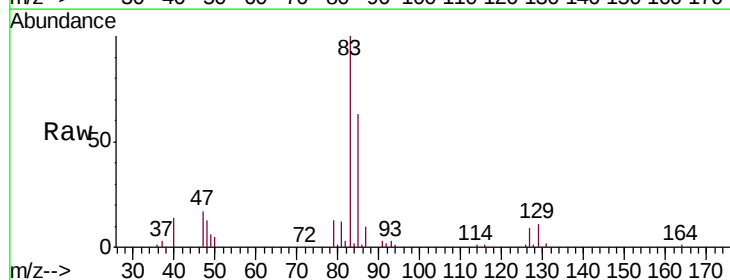
Tgt Ion: 83 Resp: 64564

Ion Ratio Lower Upper

83 100

85 63.2 44.9 83.5

127 8.8 6.7 10.1



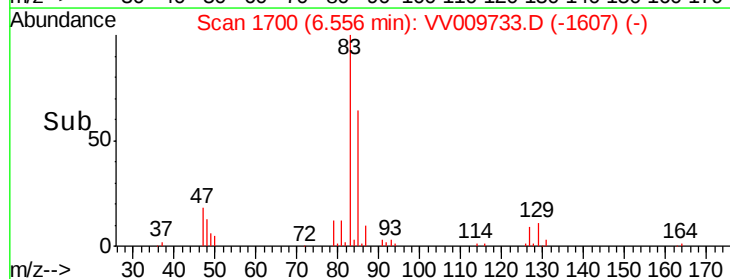
Abundance Ion 83.00 (82.70 to 83.70): VV009733.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV009733.D (-1685) (-)

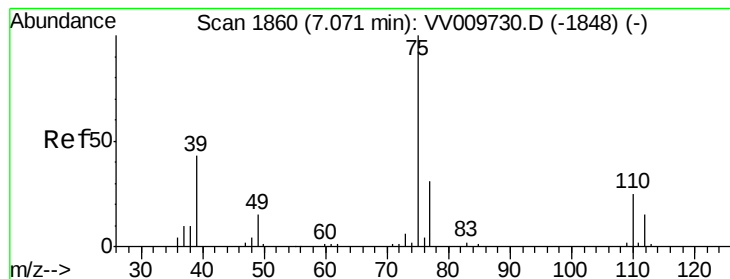
Ion 127.00 (126.70 to 127.70): VV009733.D (-1685) (-)

6.56

Time-->



Time-->

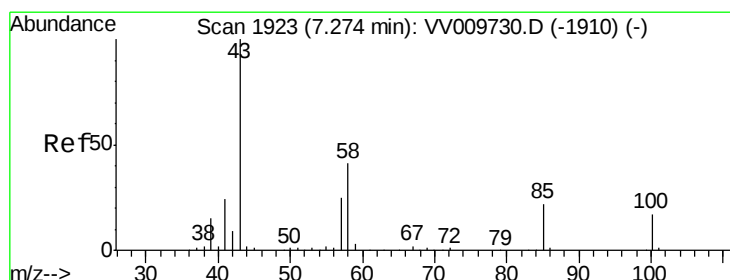
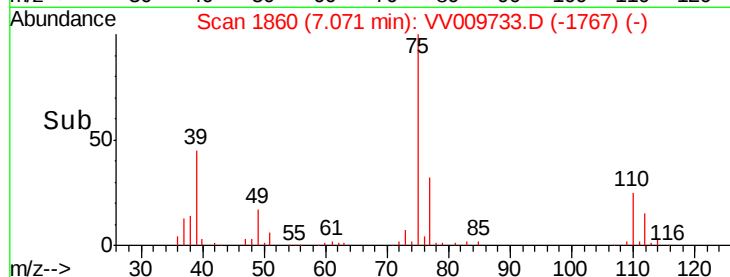
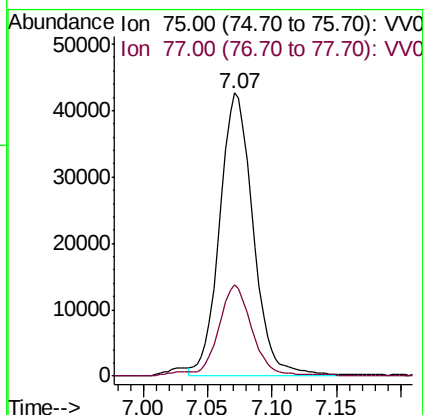
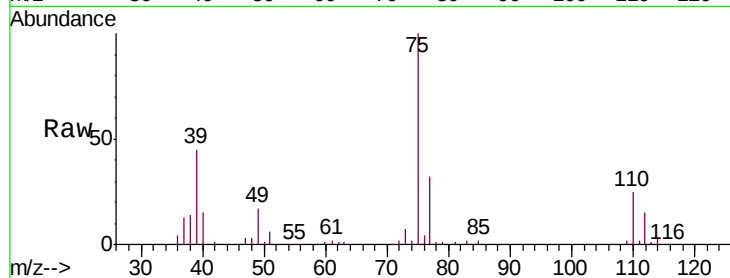


#39

cis-1,3-Dichloropropene
 Concen: 48.864 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

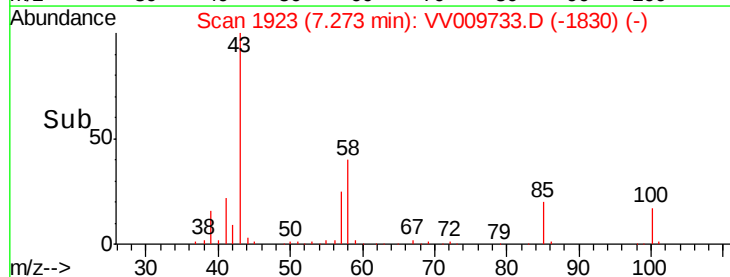
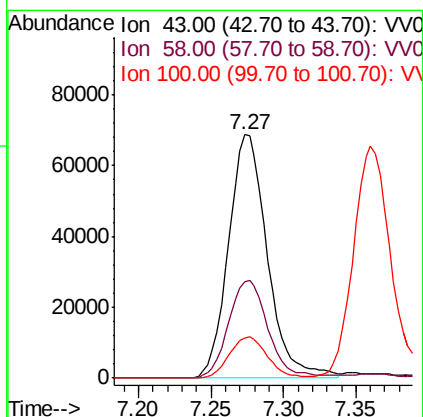
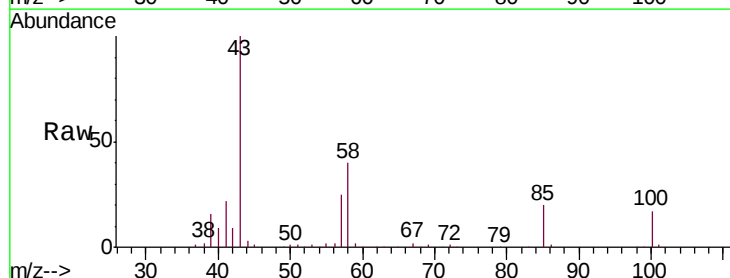
Tgt Ion: 75 Resp: 77458
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.4 41.6

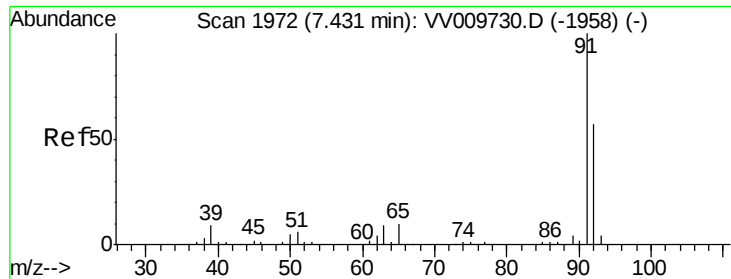


#40

4-Methyl-2-pentanone
 Concen: 94.012 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion: 43 Resp: 128097
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 16.6 13.7 20.5





#42

Toluene

Concen: 47.315 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

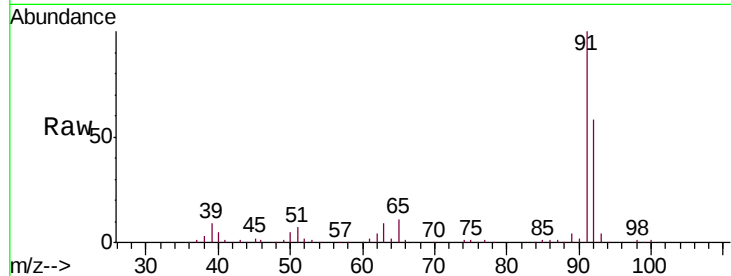
VICV67

Tgt Ion: 91 Resp: 214568

Ion Ratio Lower Upper

91 100

92 57.6 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV009733.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009733.D (-1958) (-)

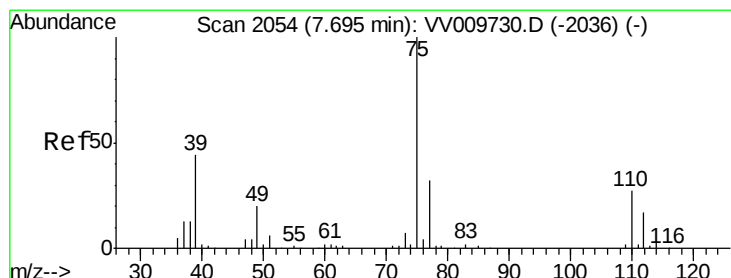
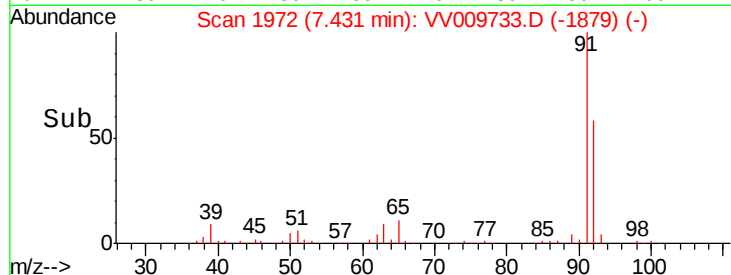
7.43

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.762 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009733.D

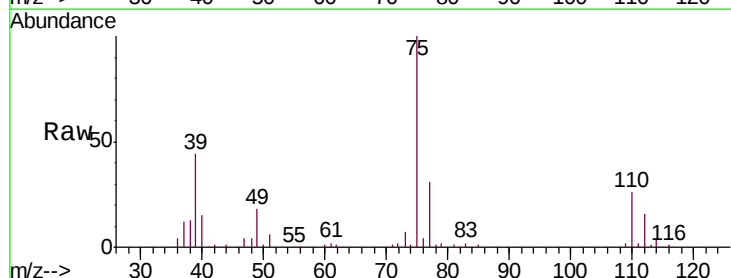
Acq: 16 Mar 2019 16:51

Tgt Ion: 75 Resp: 73198

Ion Ratio Lower Upper

75 100

77 30.5 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009733.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009733.D (-2036) (-)

7.69

50000

40000

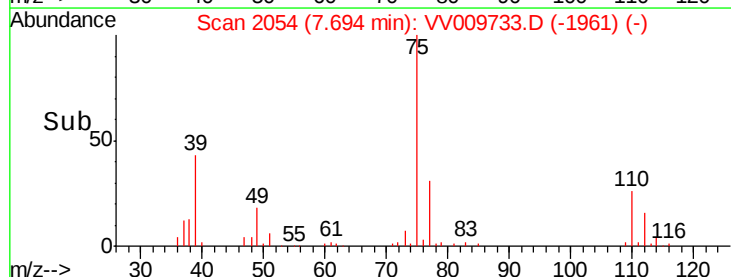
30000

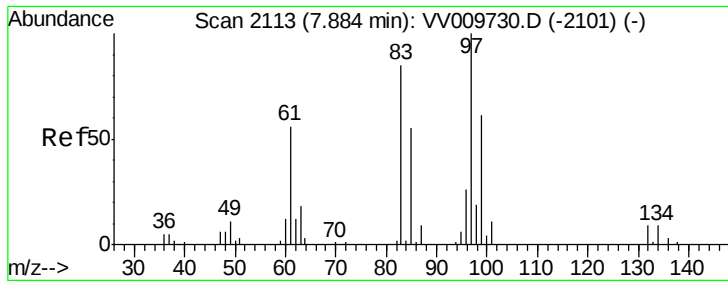
20000

10000

0

Time-->

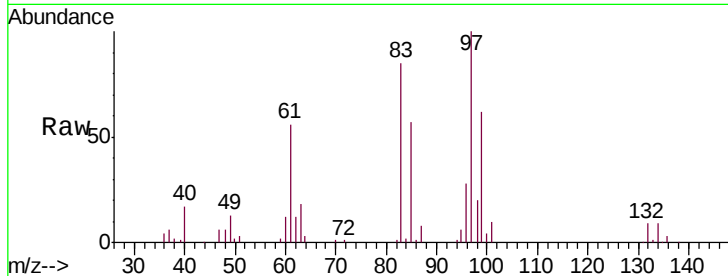




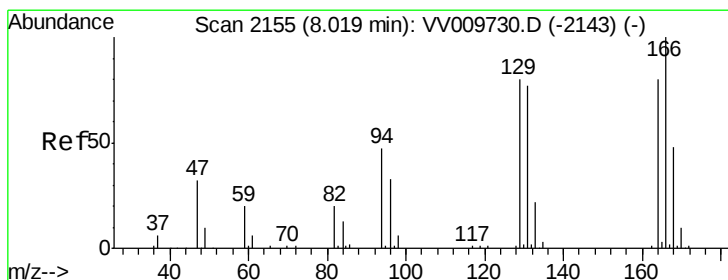
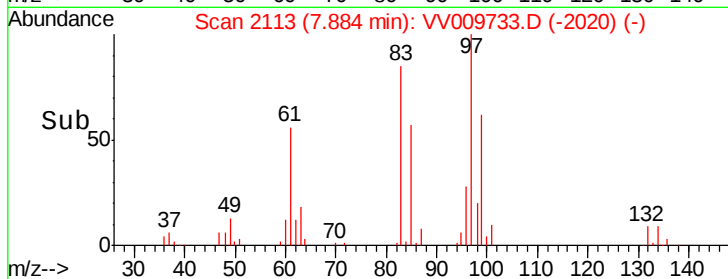
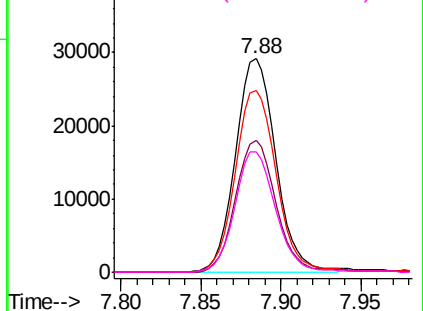
#45
1,1,2-Trichloroethane
Concen: 46.723 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Tgt Ion:	97	Resp:	50152
Ion	Ratio	Lower	Upper
97	100		
99	61.6	42.8	79.6
83	85.1	59.7	110.9
85	56.5	38.7	71.9

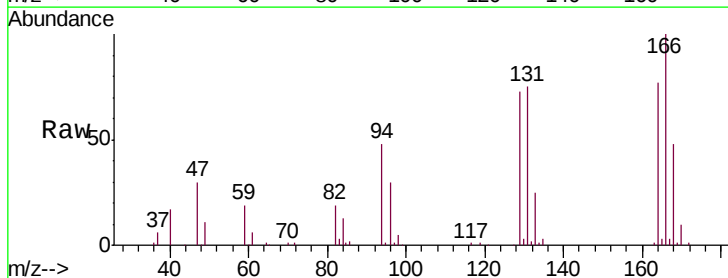


Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

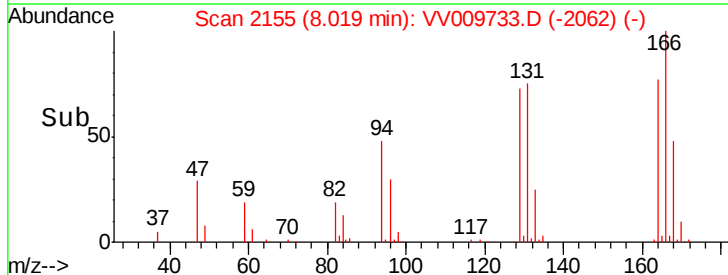
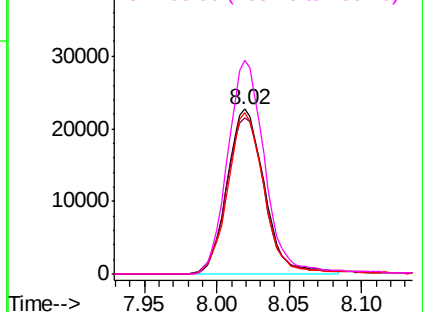


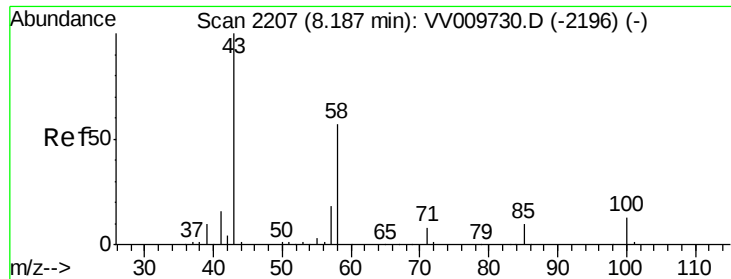
#46
Tetrachloroethene
Concen: 45.755 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion:	164	Resp:	40511
Ion	Ratio	Lower	Upper
164	100		
129	94.8	70.0	130.0
131	97.6	67.5	125.4
166	129.8	88.0	163.4



Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

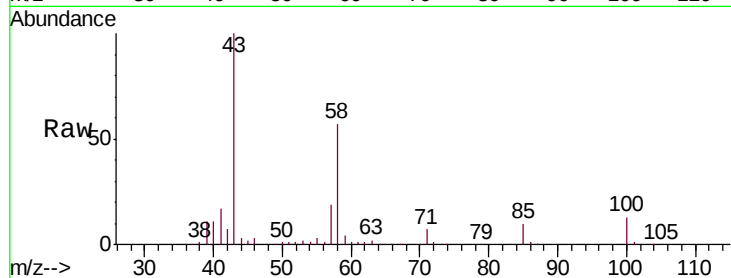




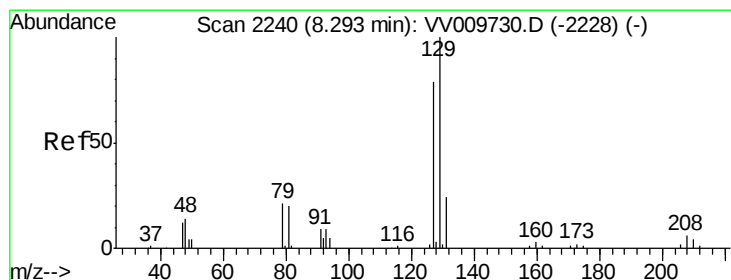
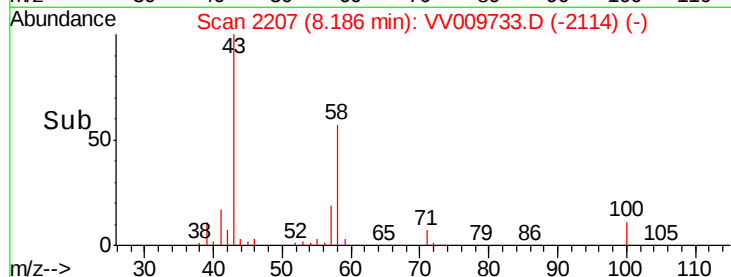
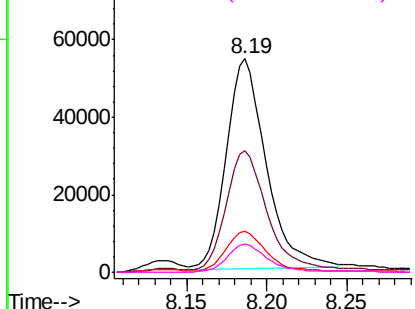
#48
2-Hexanone
Concen: 91.142 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Tgt Ion: 43 Resp: 92440
Ion Ratio Lower Upper
43 100
58 58.2 46.0 69.0
57 19.0 14.8 22.2
100 13.7 10.8 16.2

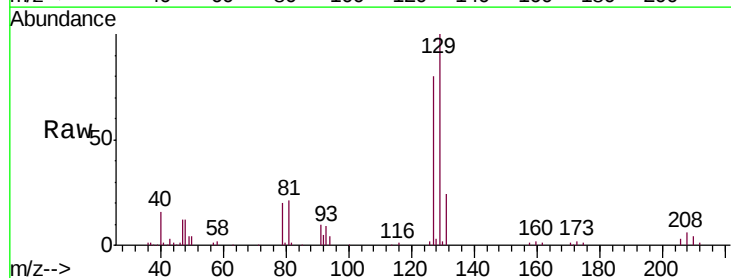


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

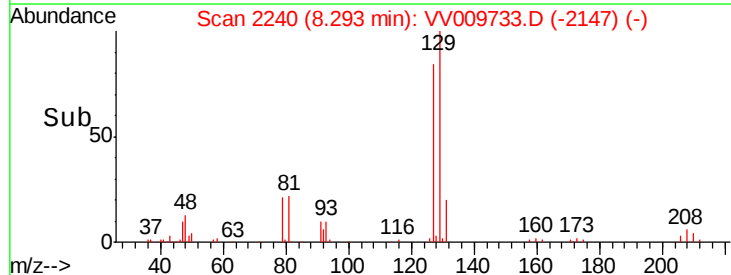
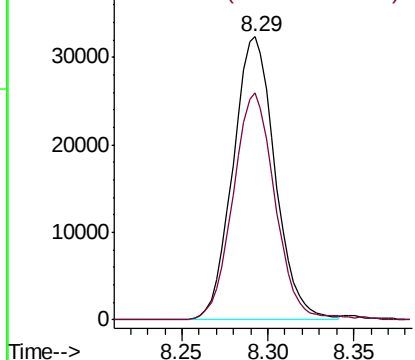


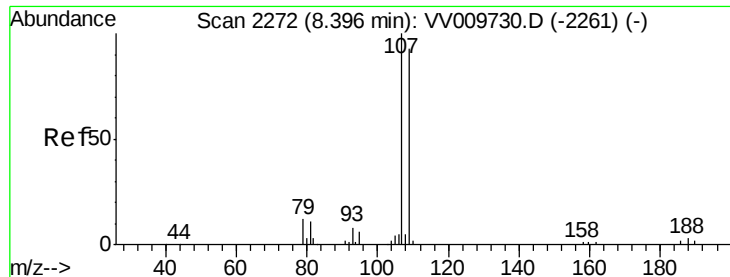
#49
Dibromochloromethane
Concen: 47.824 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion: 129 Resp: 55070
Ion Ratio Lower Upper
129 100
127 80.3 55.2 102.4



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

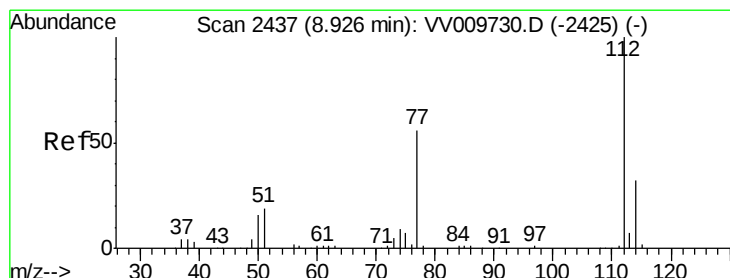
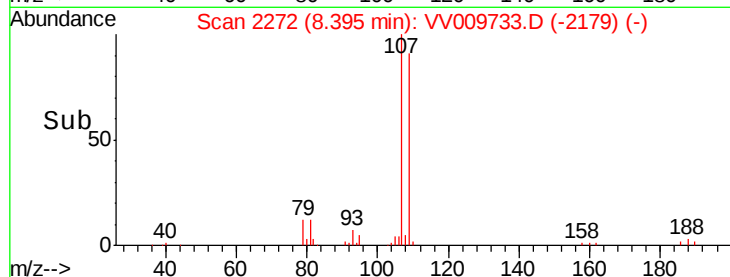
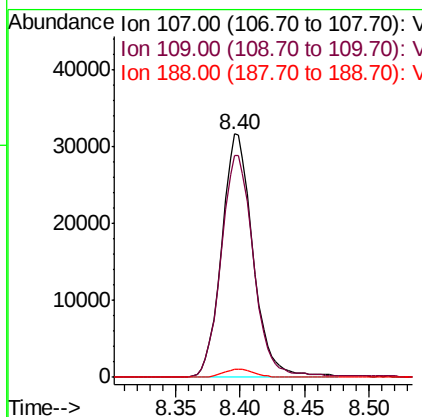
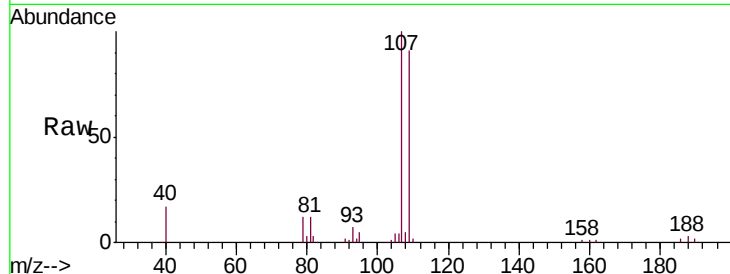




#50
1,2-Dibromoethane
Concen: 47.843 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

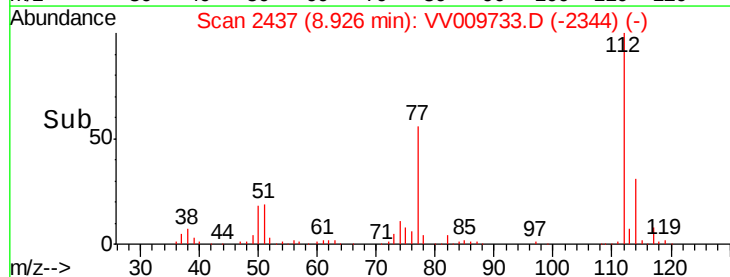
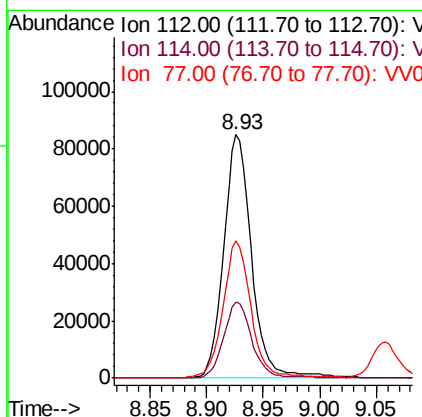
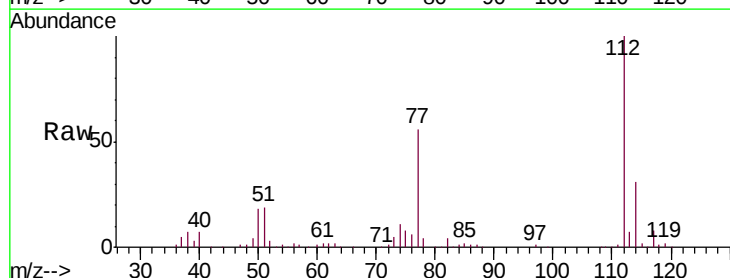
Instrument :
MSVOA_V
ClientSampleId :
VICV67

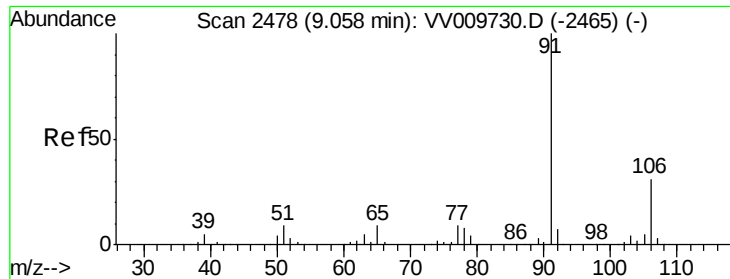
Tgt Ion:107 Resp: 53547
Ion Ratio Lower Upper
107 100
109 91.3 65.3 121.3
188 3.2 2.2 3.4



#51
Chlorobenzene
Concen: 47.749 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion:112 Resp: 145382
Ion Ratio Lower Upper
112 100
114 31.1 22.5 41.9
77 56.3 45.4 68.2





#52

Ethylbenzene

Concen: 47.598 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

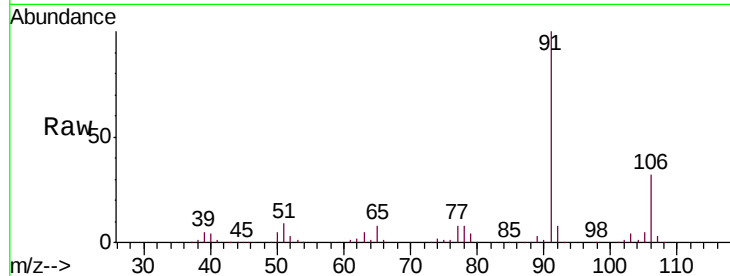
VICV67

Tgt Ion: 91 Resp: 244820

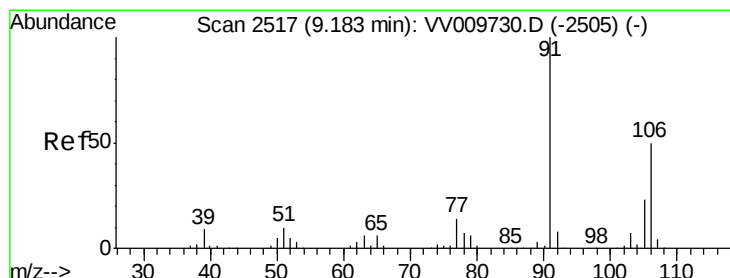
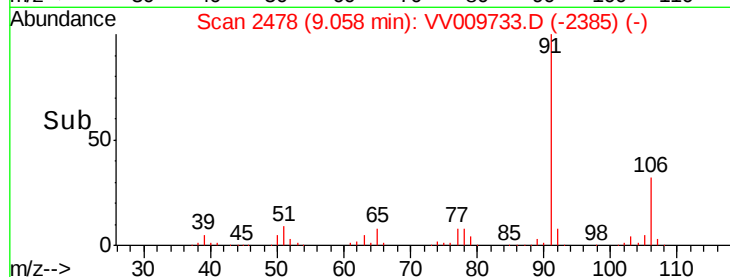
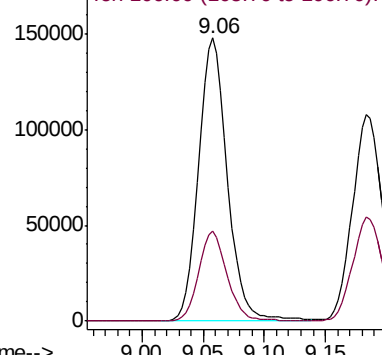
Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV009733.D (-2465) (-)



#53

m,p-Xylene

Concen: 46.735 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009733.D

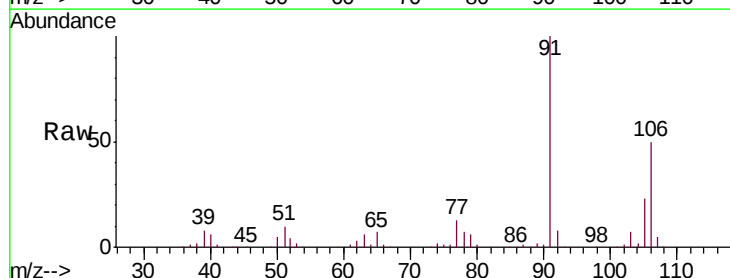
Acq: 16 Mar 2019 16:51

Tgt Ion: 106 Resp: 92865

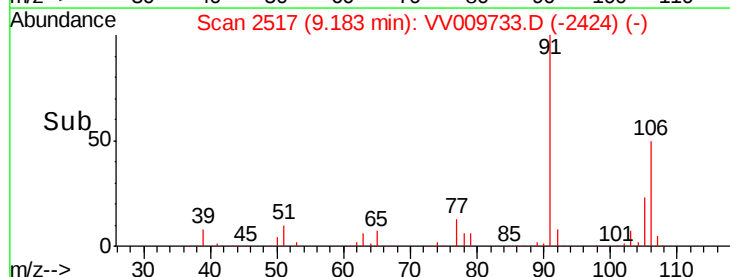
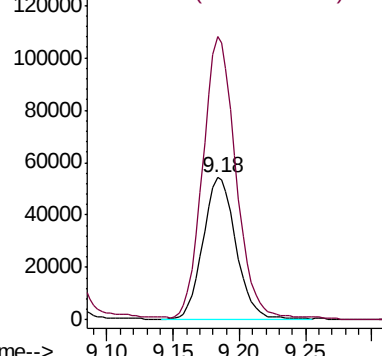
Ion Ratio Lower Upper

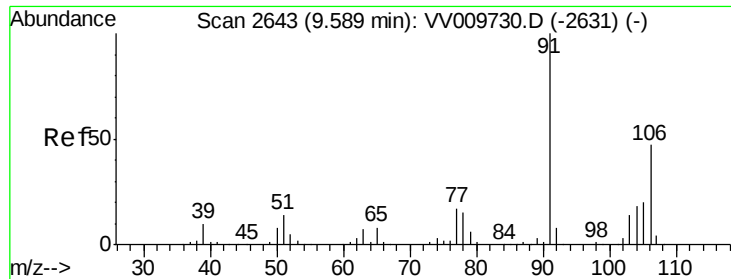
106 100

91 199.3 141.1 262.1



Abundance Ion 106.00 (105.70 to 106.70): VV009733.D (-2505) (-)

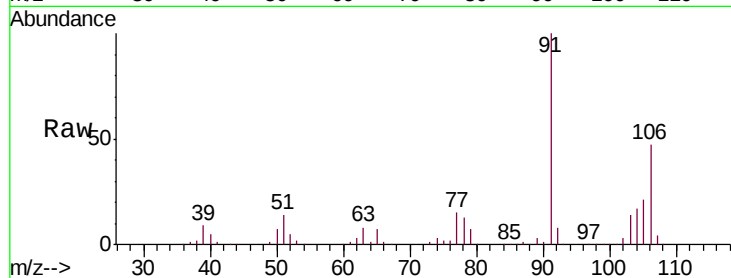




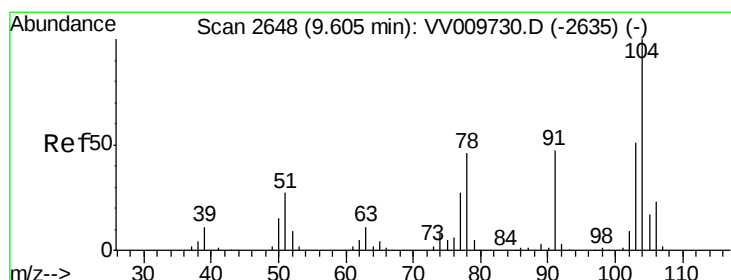
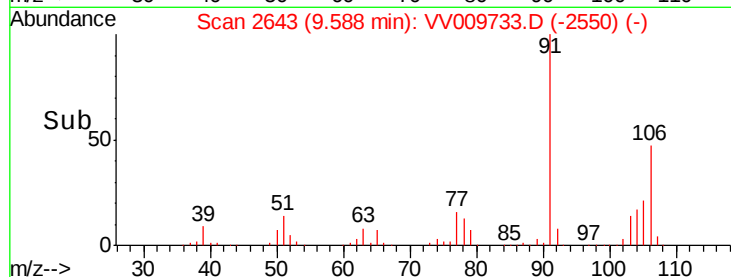
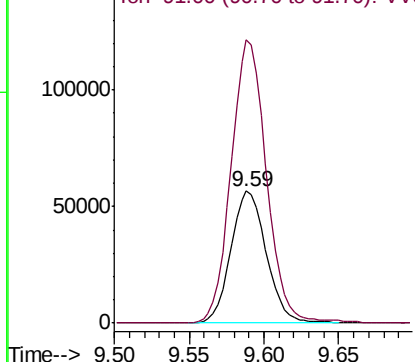
#54
o-Xylene
Concen: 46.874 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Instrument :
MSVOA_V
ClientSampleId :
VICV67

Tgt Ion:106 Resp: 93663
Ion Ratio Lower Upper
106 100
91 214.9 148.3 275.5

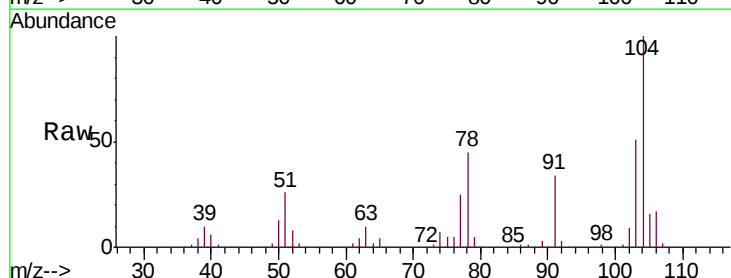


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

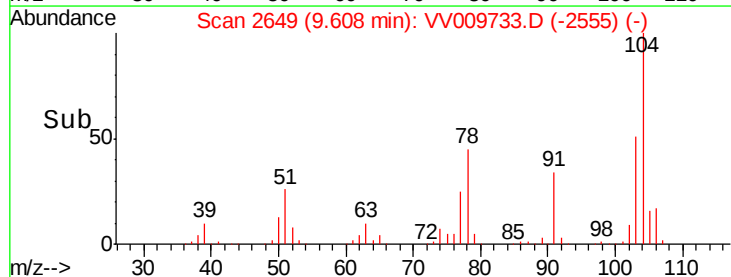
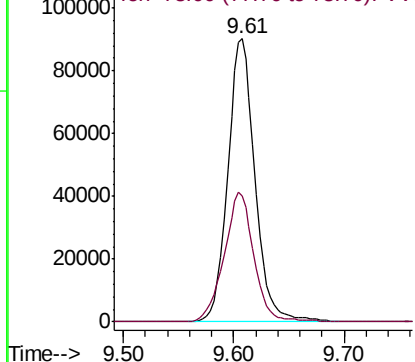


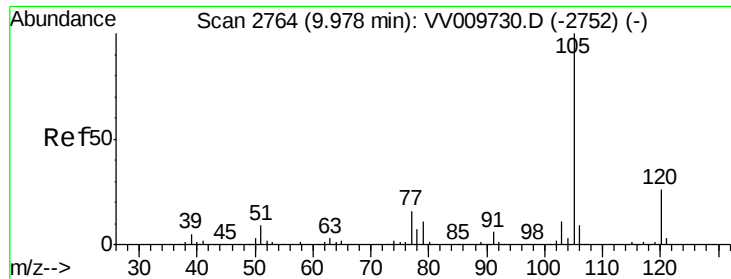
#55
Styrene
Concen: 47.311 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV009733.D
Acq: 16 Mar 2019 16:51

Tgt Ion:104 Resp: 154090
Ion Ratio Lower Upper
104 100
78 44.7 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: 47.453 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

VICV67

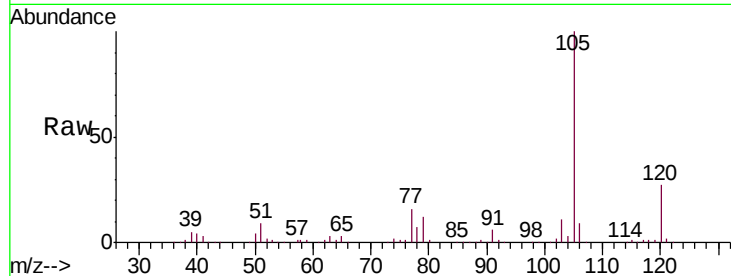
Tgt Ion: 105 Resp: 246735

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

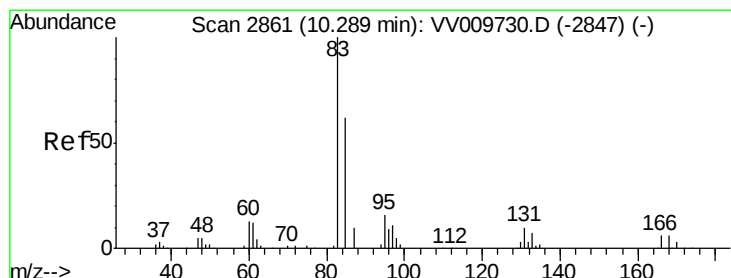
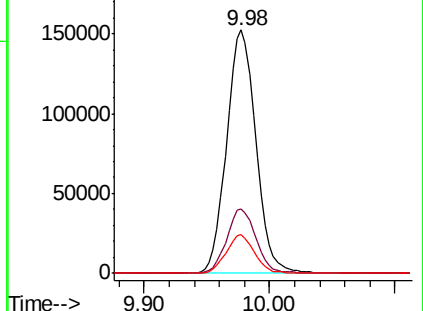
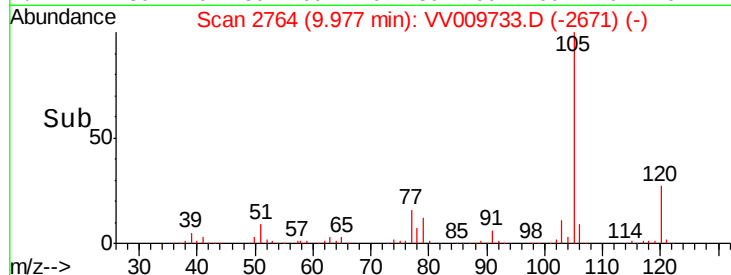
77 15.4 12.7 19.1



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: 46.261 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

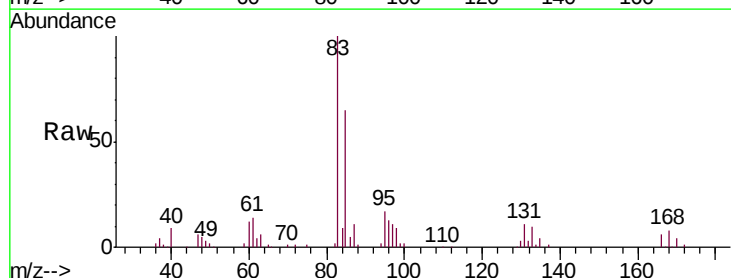
Tgt Ion: 83 Resp: 86292

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

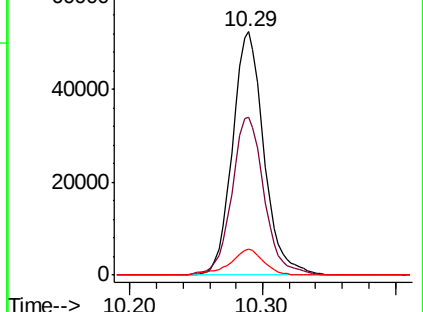
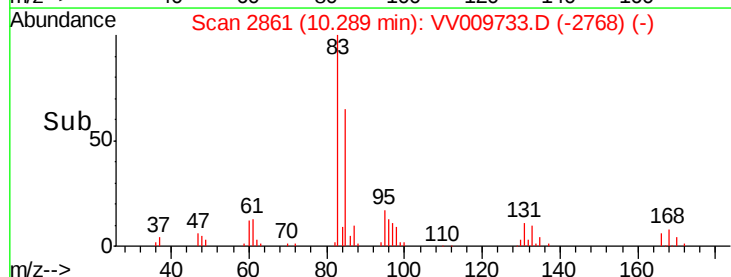
131 10.7 8.4 12.6

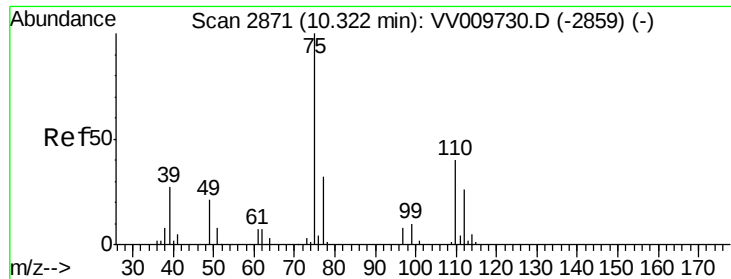


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

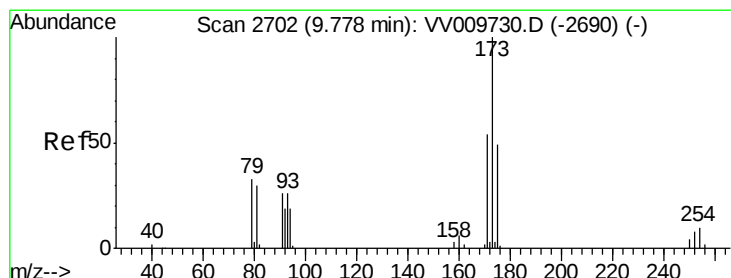
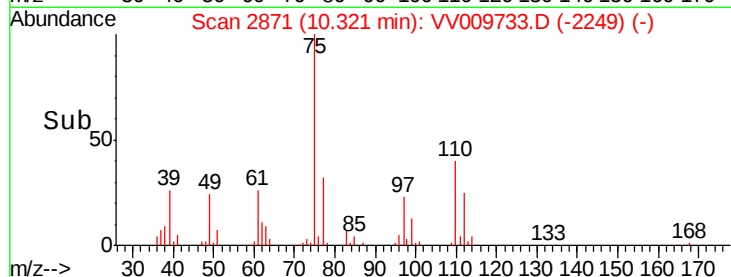
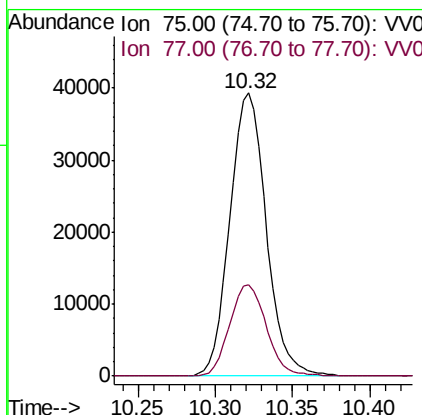
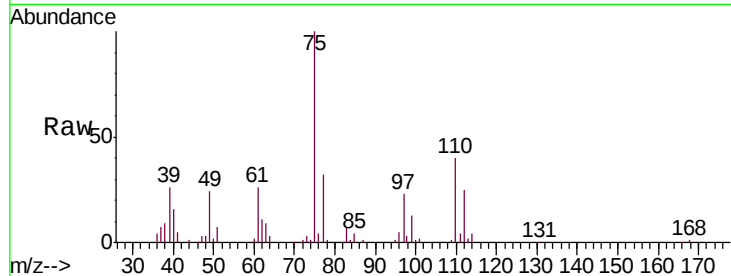




#59
 1,2,3-Trichloropropane
 Concen: 47.071 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

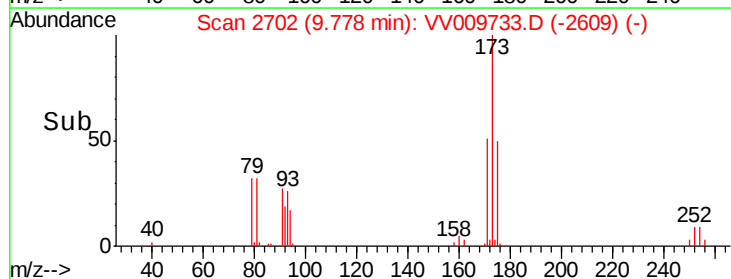
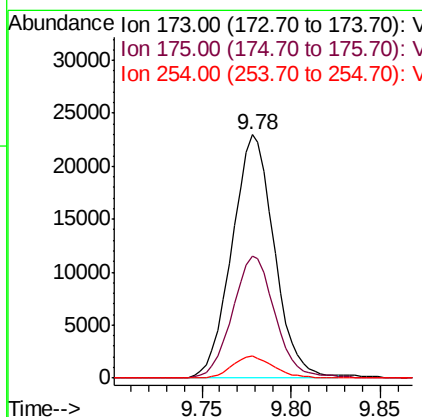
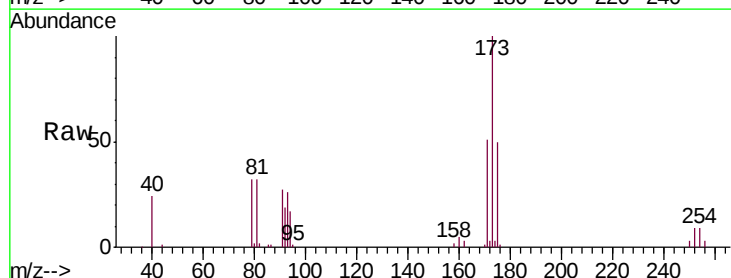
Instrument :
 MSVOA_V
 ClientSampled :
 VICV67

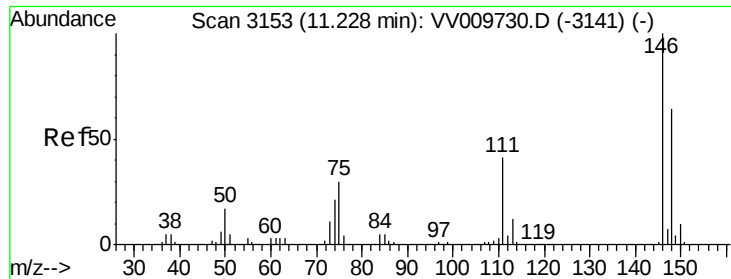
Tgt Ion: 75 Resp: 64267
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.4



#61
 Bromoform
 Concen: 48.141 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion: 173 Resp: 37840
 Ion Ratio Lower Upper
 173 100
 175 50.5 38.6 58.0
 254 8.7 6.8 10.2

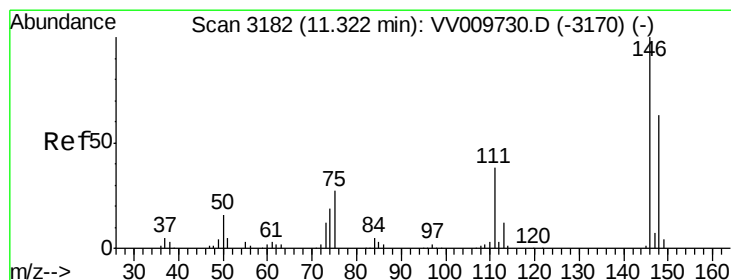
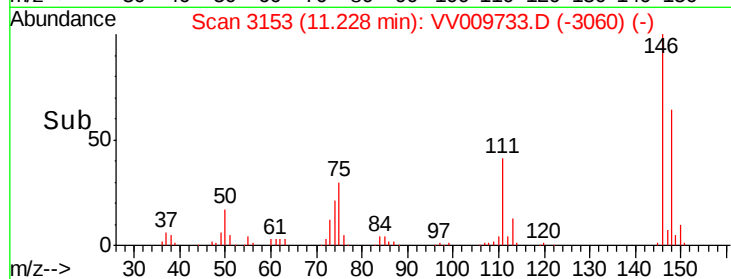
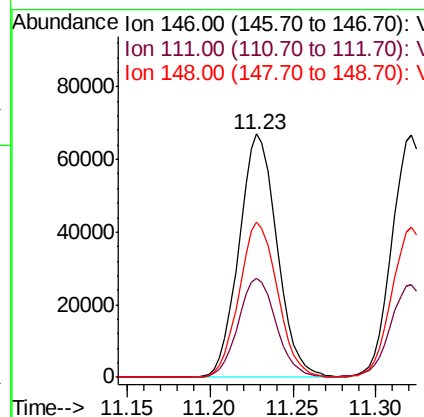
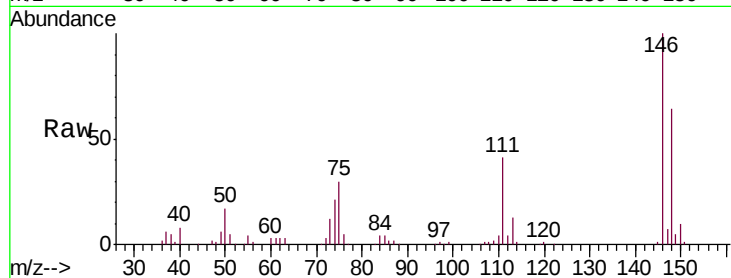




#62
 1,3-Dichlorobenzene
 Concen: 49.439 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

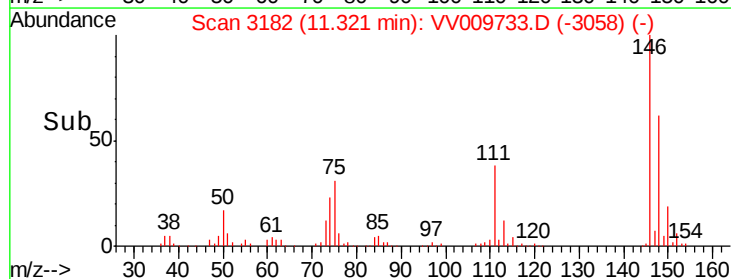
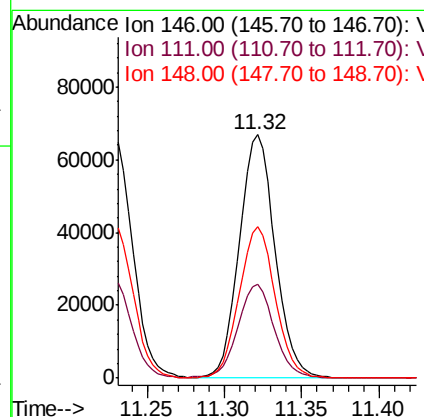
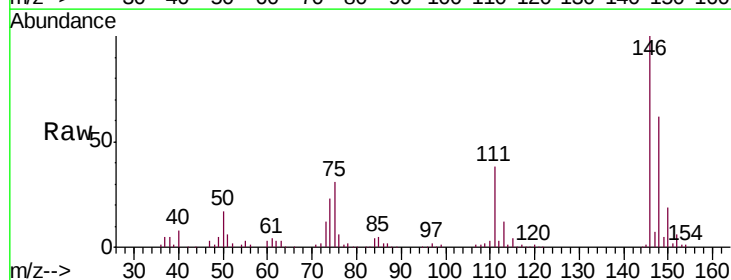
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

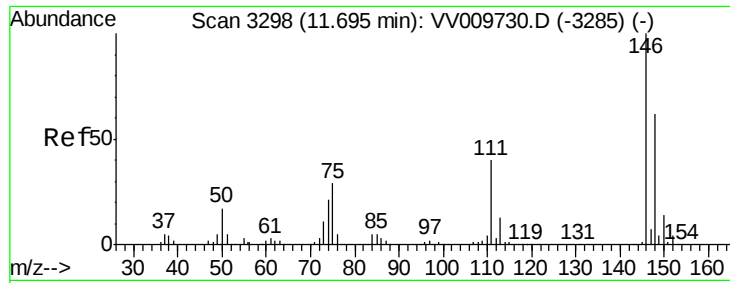
Tgt Ion:146 Resp: 107250
 Ion Ratio Lower Upper
 146 100
 111 40.9 28.8 53.4
 148 63.7 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 48.773 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion:146 Resp: 106743
 Ion Ratio Lower Upper
 146 100
 111 38.3 26.7 49.5
 148 62.1 44.3 82.3

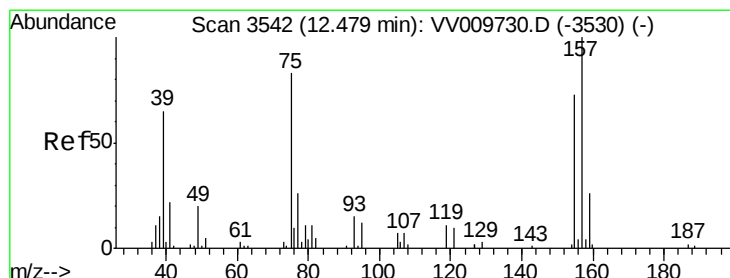
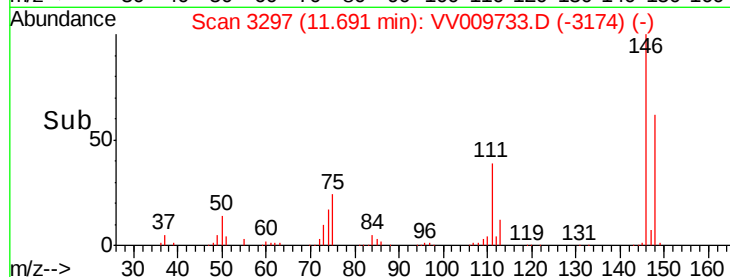
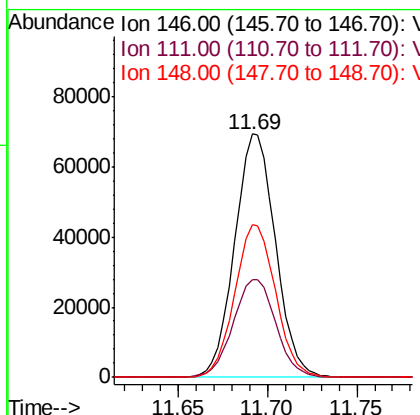
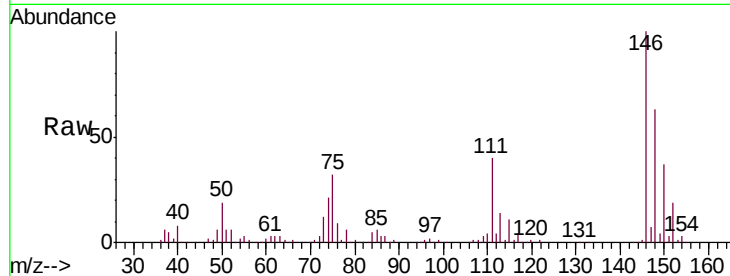




#65
 1,2-Dichlorobenzene
 Concen: 49.814 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

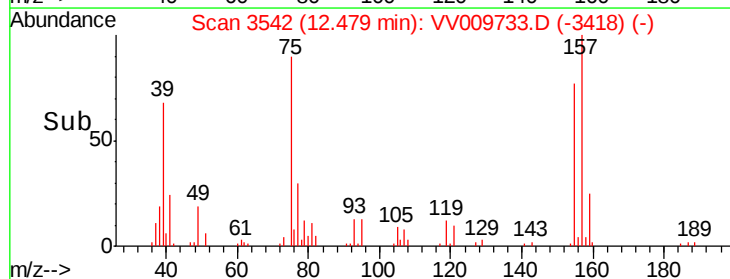
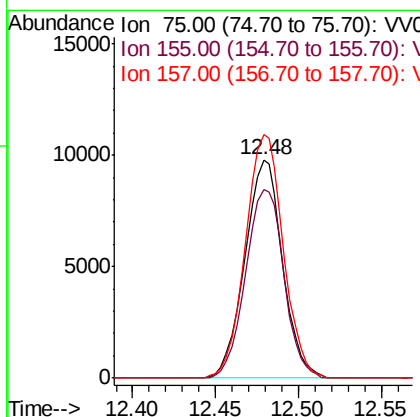
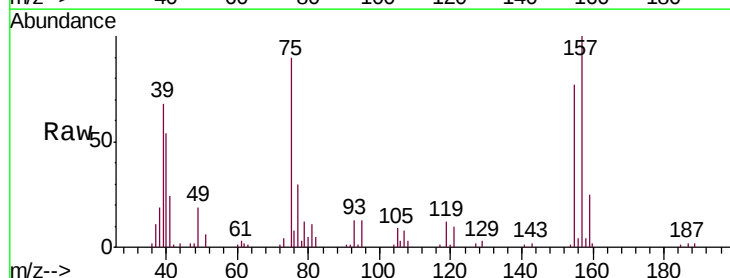
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

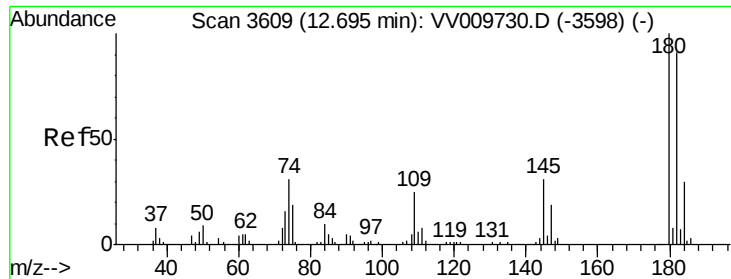
Tgt Ion: 146 Resp: 110264
 Ion Ratio Lower Upper
 146 100
 111 40.4 32.2 48.4
 148 62.6 49.6 74.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 50.124 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion: 75 Resp: 15411
 Ion Ratio Lower Upper
 75 100
 155 86.2 70.3 105.5
 157 111.6 96.8 145.2

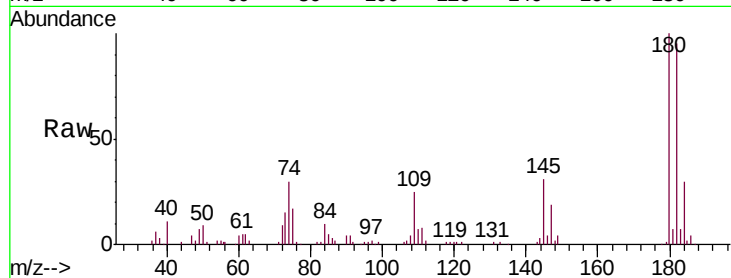




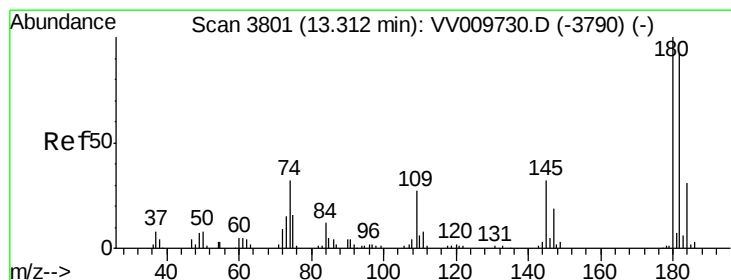
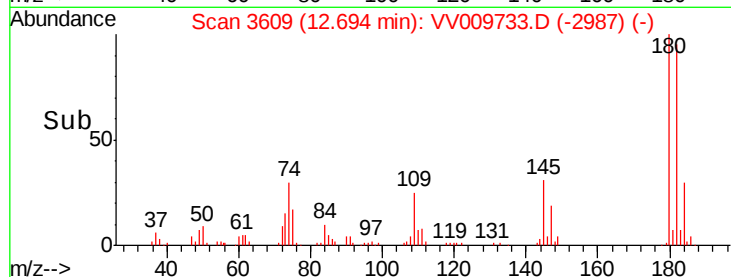
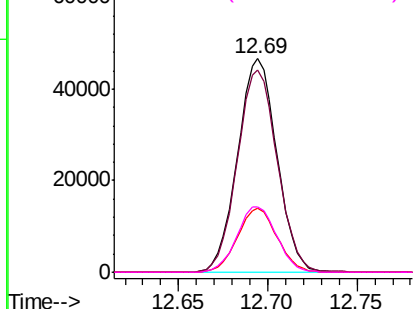
#67
 1,3,5-Trichlorobenzene
 Concen: 51.968 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Tgt Ion:180 Resp: 71698
 Ion Ratio Lower Upper
 180 100
 182 96.2 73.9 110.9
 184 30.1 23.4 35.2
 145 31.3 24.6 37.0

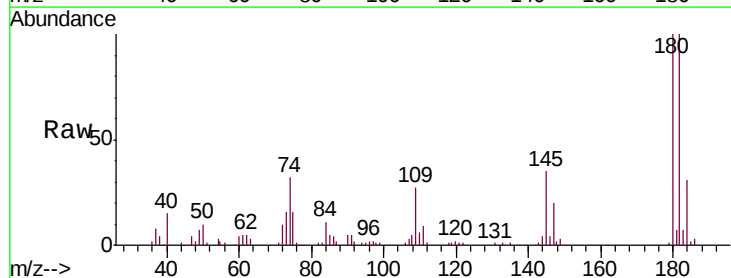


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

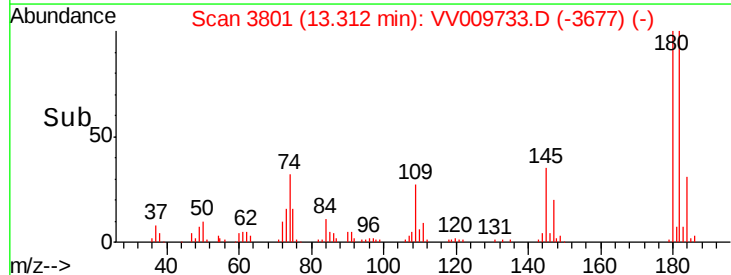
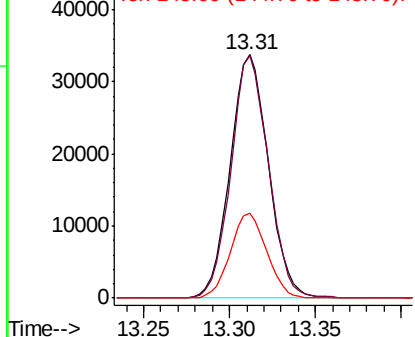


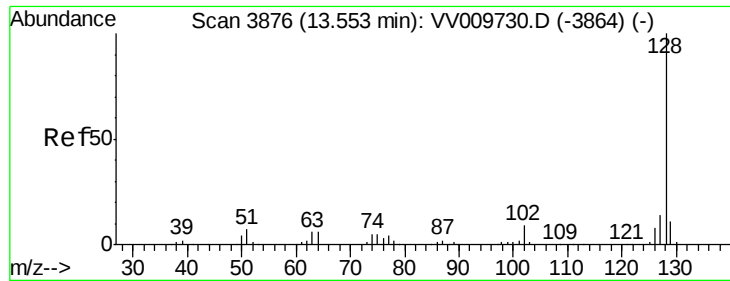
#68
 1,2,4-trichlorobenzene
 Concen: 54.250 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009733.D
 Acq: 16 Mar 2019 16:51

Tgt Ion:180 Resp: 52458
 Ion Ratio Lower Upper
 180 100
 182 97.2 75.7 113.5
 145 33.0 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: 52.546 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

Instrument :

MSVOA_V

ClientSampleId :

VICV67

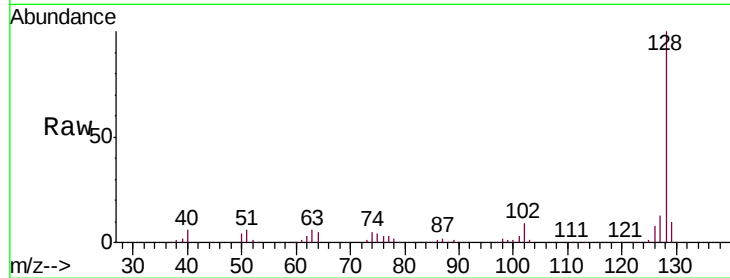
Tgt Ion:128 Resp: 145398

Ion Ratio Lower Upper

128 100

127 12.8 10.8 16.2

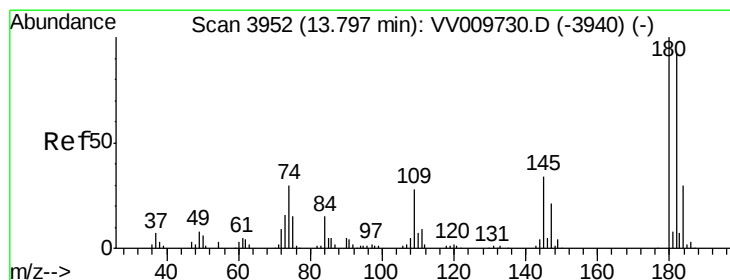
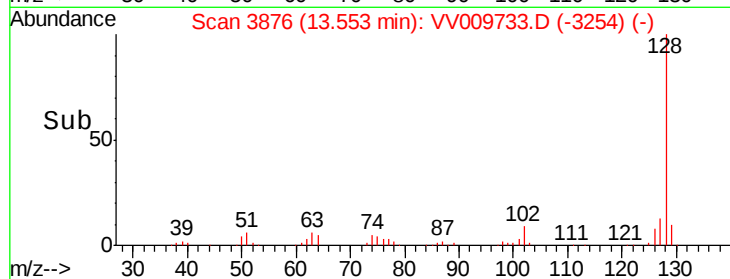
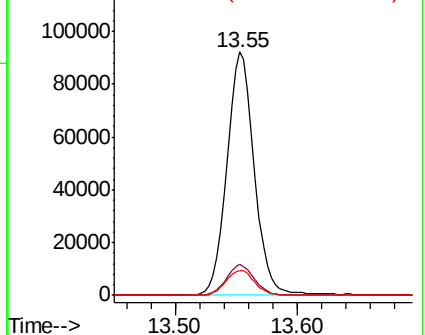
129 10.8 8.6 12.8



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: 56.992 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009733.D

Acq: 16 Mar 2019 16:51

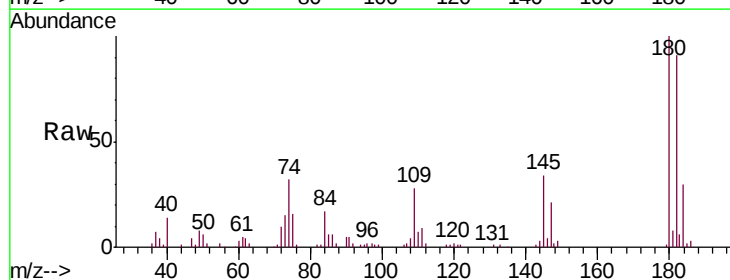
Tgt Ion:180 Resp: 55248

Ion Ratio Lower Upper

180 100

182 92.6 73.3 109.9

145 34.4 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

