

Data File : VV010624.D
Acq On : 02 May 2019 11:28
Operator : SY/MD
Sample : VSTD2.560
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

Quant Time: May 02 12:48:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
Quant Title : VOC Analysis
QLast Update : Thu May 02 12:45:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	157874	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	156907	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73246	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	6290	2.89	ug/L	0.00
7) Chloroethane-d5	1.57	69	4212	2.49	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	10378	2.56	ug/L	0.00
20) 2-Butanone-d5	3.94	46	1072	2.11	ug/L	0.00
24) Chloroform-d	4.40	84	10773	2.79	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	6112	2.58	ug/L	0.00
29) Benzene-d6	5.10	84	21051	2.91	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	6693	3.13	ug/L	0.00
37) Toluene-d8	7.36	98	19732	2.64	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2383	2.26	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	1840	4.33	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	5551	2.67	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	7107	2.55	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	6565	2.726	ug/L	99
3) Chloromethane	1.25	50	6082	3.044	ug/L	98
5) Vinyl chloride	1.32	62	5513	2.335	ug/L	86
6) Bromomethane	1.51	94	2800	2.275	ug/L	90
8) Chloroethane	1.59	64	2665	2.008	ug/L	96
9) Trichlorofluoromethane	1.76	101	9672	2.398	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4834	2.141	ug/L	97
12) 1,1-Dichloroethene	2.14	96	4222	2.124	ug/L	93
13) Acetone	2.19	43	3845	7.054	ug/L	95
14) Carbon disulfide	2.31	76	13986	3.148	ug/L	99
15) Methyl Acetate	2.46	43	2526	3.113	ug/L #	82
16) Methylene chloride	2.53	84	6589	2.846	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	11455	2.431	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	5000	2.844	ug/L	96
19) 1,1-Dichloroethane	3.23	63	9358	2.978	ug/L	97
21) 2-Butanone	4.03	43	1864	3.208	ug/L	83
22) cis-1,2-Dichloroethene	3.96	96	5234	2.640	ug/L	94
23) Bromochloromethane	4.30	128	2320	2.426	ug/L #	91
25) Chloroform	4.43	83	9857	2.611	ug/L	94
27) 1,2-Dichloroethane	5.18	62	6238	2.356	ug/L	99
30) Cyclohexane	4.72	56	7094	2.552	ug/L	98
32) Carbon tetrachloride	4.87	117	6835	2.150	ug/L	92
34) Benzene	5.15	78	19593	2.825	ug/L	100
35) Trichloroethene	5.96	95	5861	2.787	ug/L	96
36) Methylcyclohexane	6.18	83	7510	2.390	ug/L	91
40) 1,2-Dichloropropane	6.22	63	4997	2.928	ug/L #	87
41) Bromodichloromethane	6.56	83	6143	2.333	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	6526	2.315	ug/L	92
43) 4-Methyl-2-pentanone	7.27	43	6520	5.144	ug/L	98
44) Toluene	7.43	91	20250	2.416	ug/L	99

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	7.69	75	5009	1.946	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	3784	2.472	ug/L	96
47) Tetrachloroethene	8.02	164	4707	2.521	ug/L	96
49) 2-Hexanone	8.19	43	4578	5.087	ug/L #	91
50) Dibromochloromethane	8.29	129	4557	2.208	ug/L	99
51) 1,2-Dibromoethane	8.40	107	3784	2.356	ug/L #	97
52) Chlorobenzene	8.92	112	14251	2.425	ug/L	99
53) Ethylbenzene	9.05	91	22816	2.328	ug/L	98
54) m,p-Xylene	9.18	106	7790	2.028	ug/L	93
55) o-xylene	9.59	106	7520	1.965	ug/L	91
56) Styrene	9.60	104	12547	1.987	ug/L	95
57) Isopropylbenzene	9.97	105	20346	1.968	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	4812	2.426	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	3797	2.584	ug/L	98
62) Bromoform	9.77	173	2258	2.058	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	10086	2.355	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	11169	2.547	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	10203	2.451	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.69	75	1132	4.103	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.69	180	8376	2.447	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	5421	2.099	ug/L	99
69) Naphthalene	13.56	128	8379	2.019	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	4988	2.087	ug/L	94

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

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Sample : VSTD2.560

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

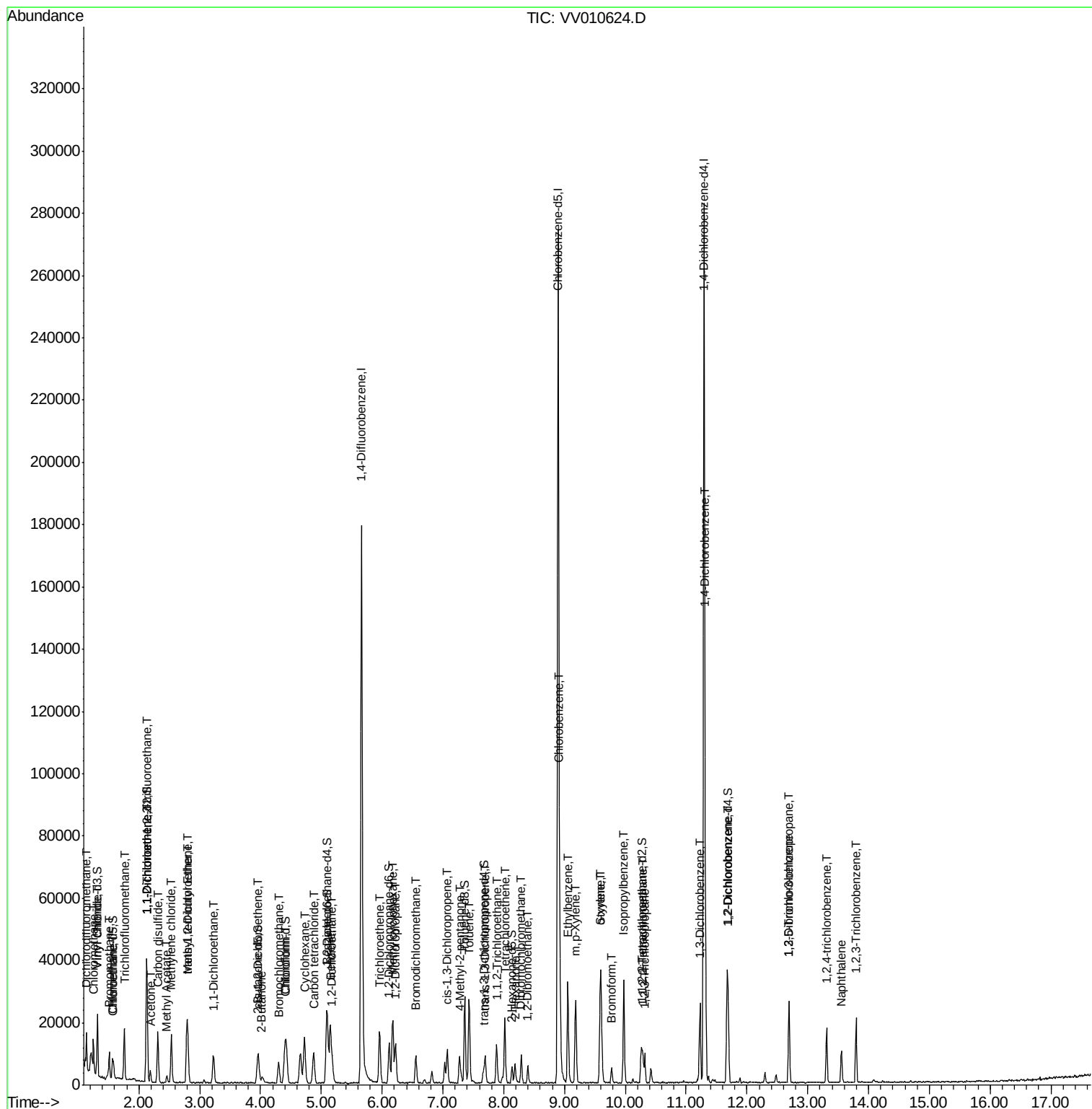
Quant Time: May 02 12:48:17 2019

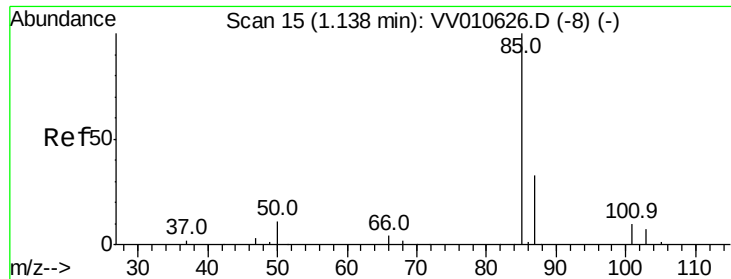
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM050219S.M

Quant Title : VOC Analysis

QLast Update : Thu May 02 12:45:39 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.726 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

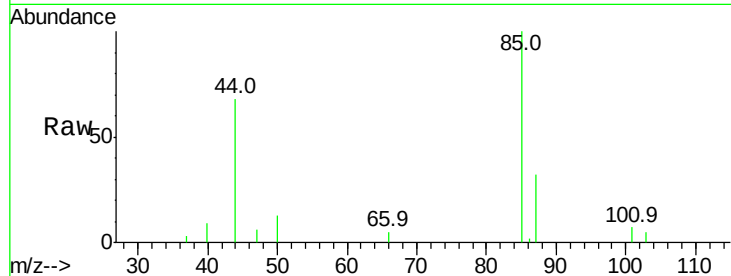
VSTD2.560

Tgt Ion: 85 Resp: 6565

Ion Ratio Lower Upper

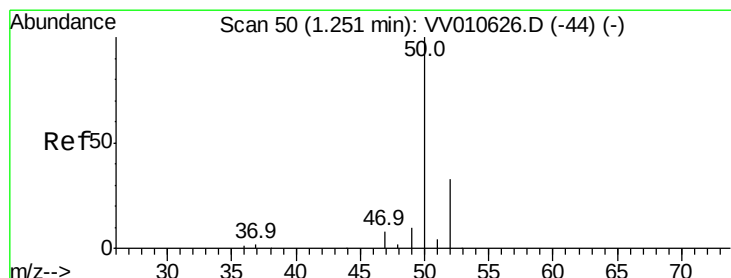
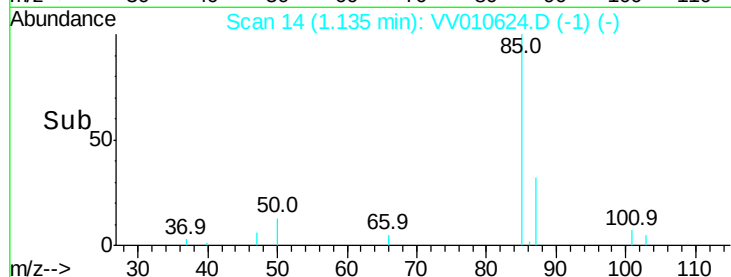
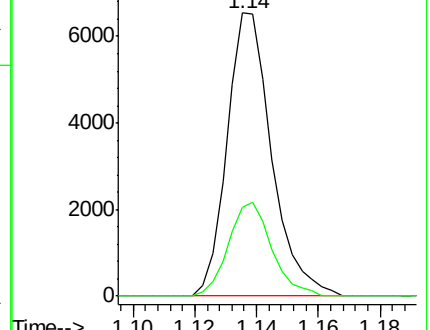
85 100

87 32.2 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV010626.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010626.D (-8) (-)



#3

Chloromethane

Concen: 3.044 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV010624.D

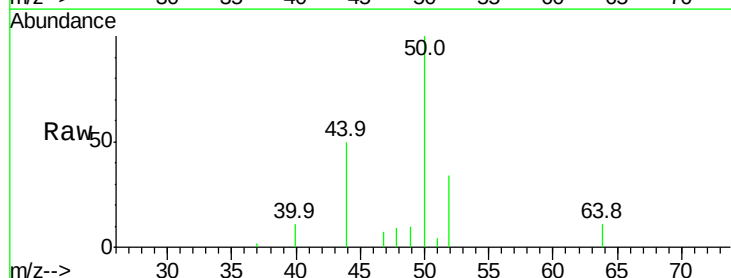
Acq: 02 May 2019 11:28

Tgt Ion: 50 Resp: 6082

Ion Ratio Lower Upper

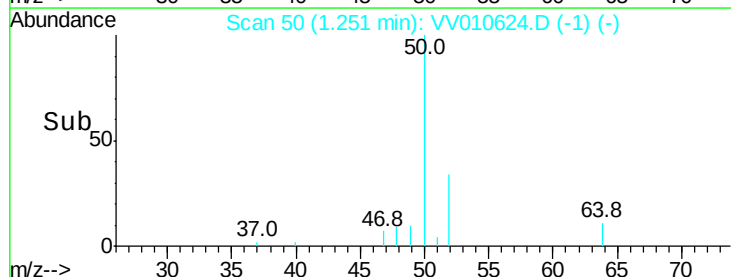
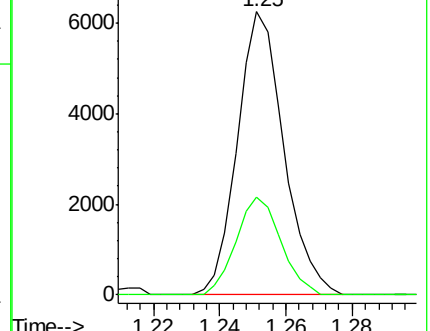
50 100

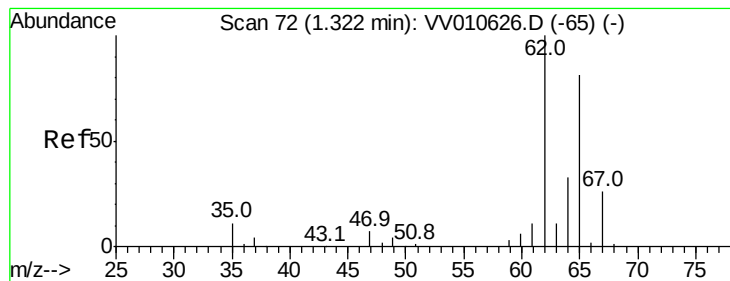
52 34.4 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010626.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010626.D (-44) (-)





#5

Vinyl chloride

Concen: 2.335 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

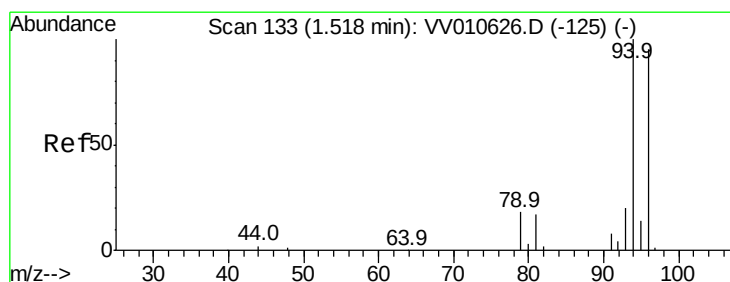
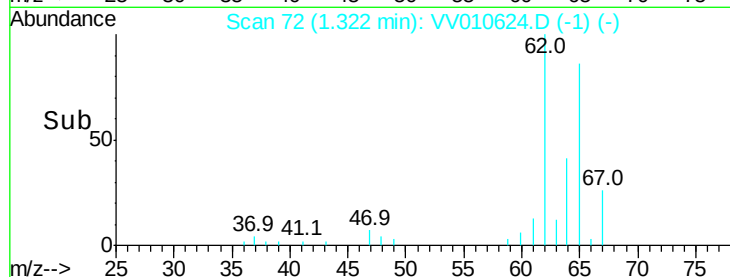
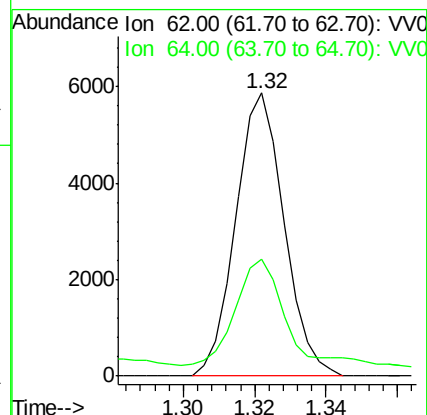
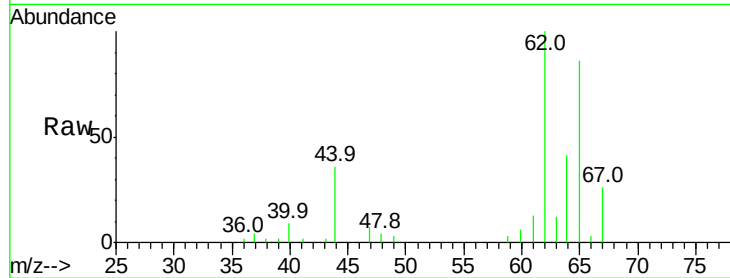
Instrument :
MSVOA_V
ClientSampled :
VSTD2.560

Tgt Ion: 62 Resp: 5513

Ion Ratio Lower Upper

62 100

64 41.4 23.4 43.6



#6

Bromomethane

Concen: 2.275 ug/L

RT: 1.51 min Scan# 131

Delta R.T. -0.01 min

Lab File: VV010624.D

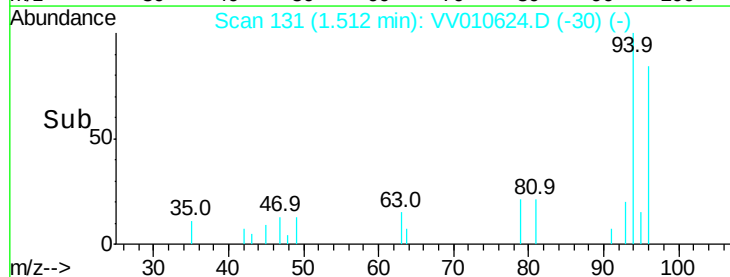
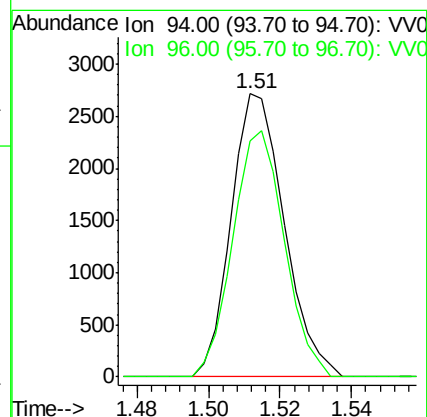
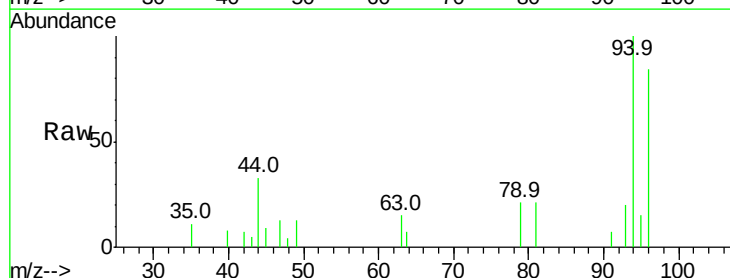
Acq: 02 May 2019 11:28

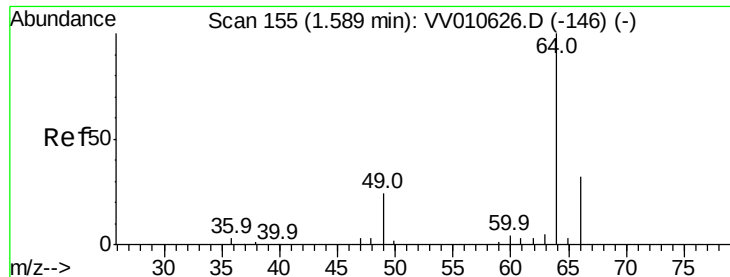
Tgt Ion: 94 Resp: 2800

Ion Ratio Lower Upper

94 100

96 84.6 9.4 178.6

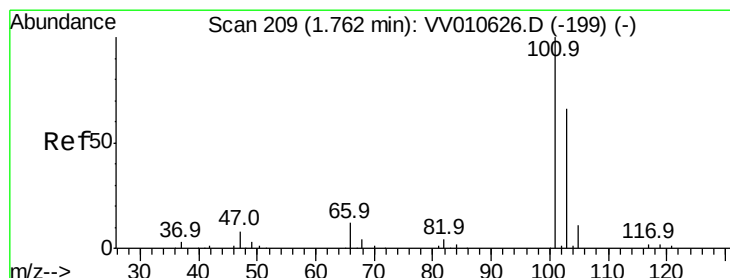
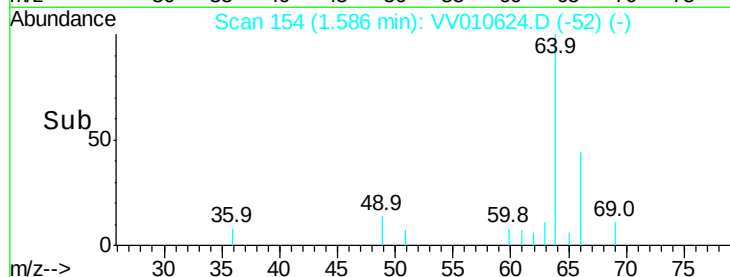
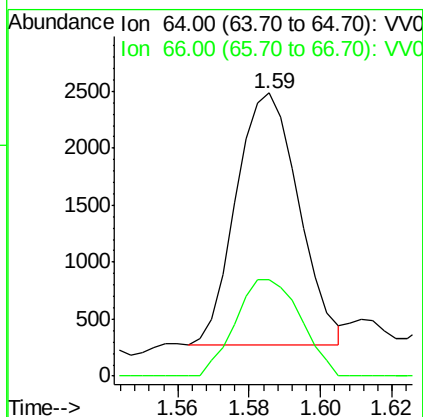
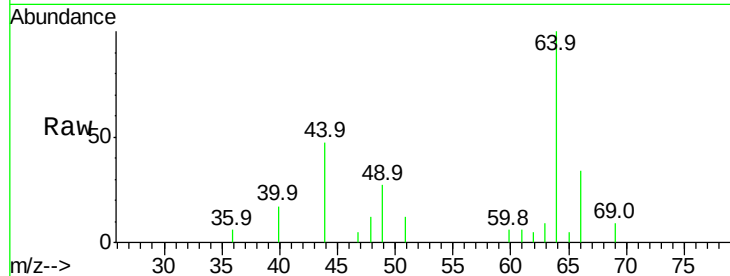




#8
Chloroethane
Concen: 2.008 ug/L
RT: 1.59 min Scan# 154
Delta R.T. -0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

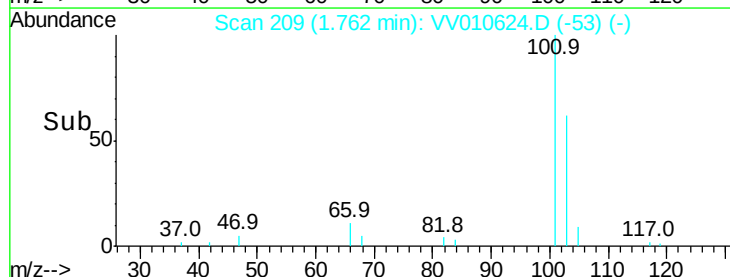
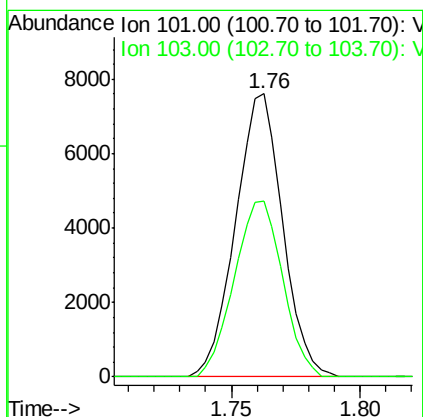
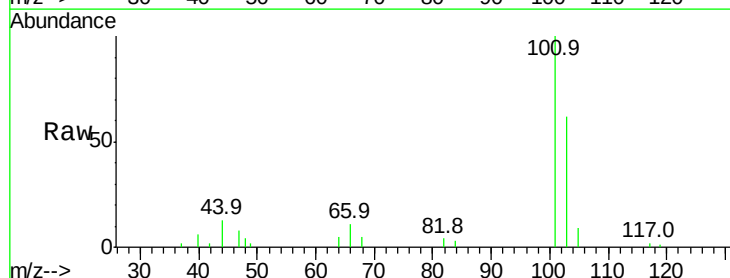
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

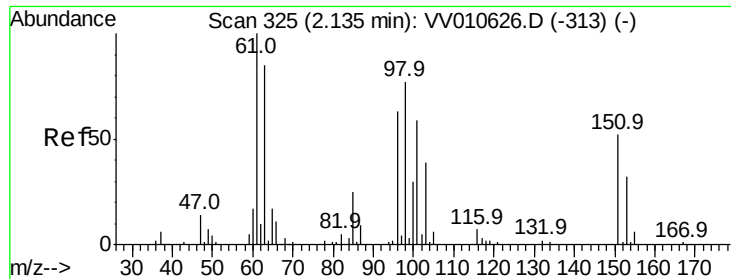
Tgt Ion: 64 Resp: 2665
Ion Ratio Lower Upper
64 100
66 34.2 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.398 ug/L
RT: 1.76 min Scan# 209
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion: 101 Resp: 9672
Ion Ratio Lower Upper
101 100
103 63.7 45.1 83.9





#11

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

Concen: 2.141 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

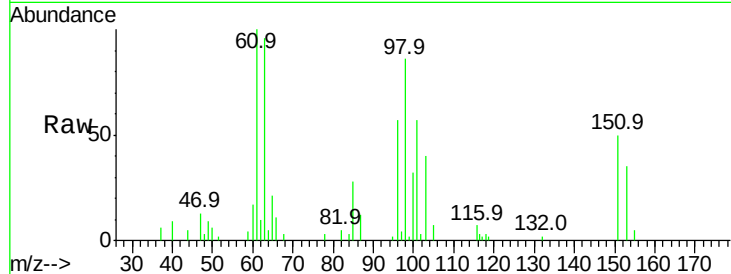
Tgt Ion:101 Resp: 4834

Ion Ratio Lower Upper

101 100

85 48.8 34.6 51.8

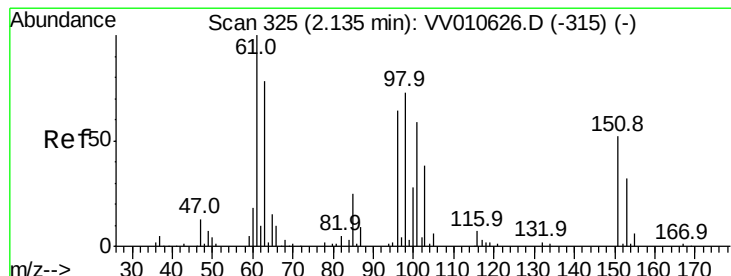
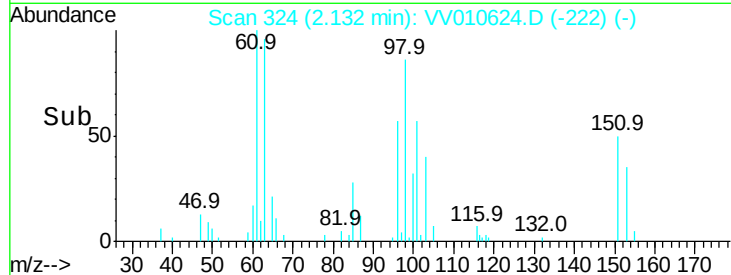
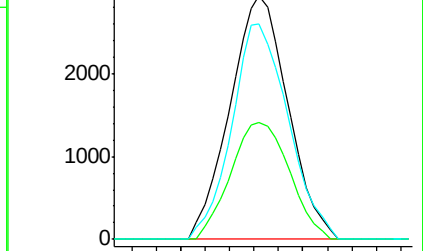
151 86.4 68.6 103.0



Abundance Ion 101.00 (100.70 to 101.70): VV010626.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV010626.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV010626.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 2.124 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

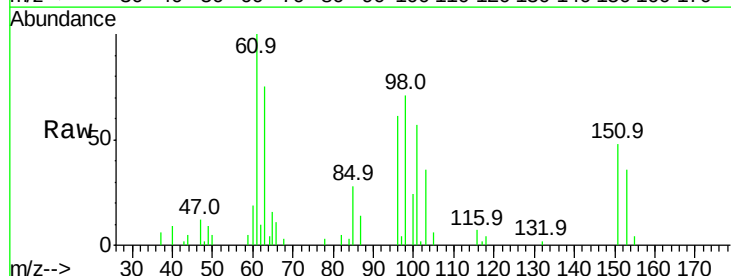
Tgt Ion: 96 Resp: 4222

Ion Ratio Lower Upper

96 100

61 162.8 111.1 206.3

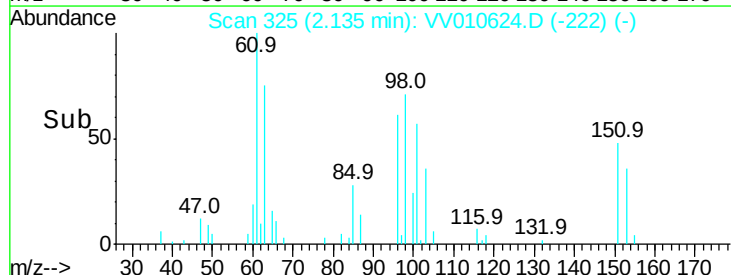
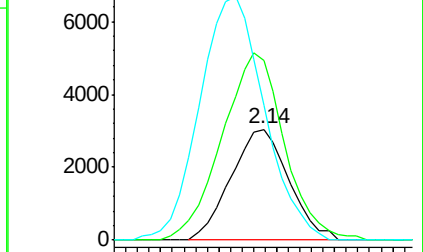
63 121.5 95.2 176.8

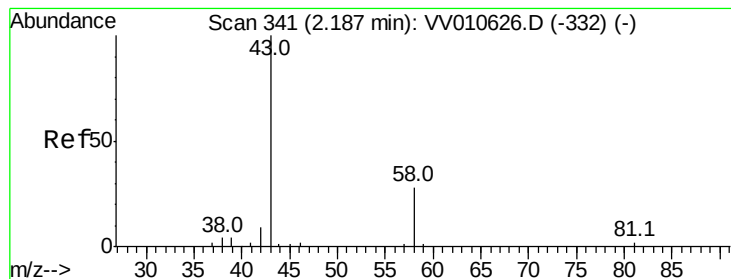


Abundance Ion 96.00 (95.70 to 96.70): VV010624.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV010624.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV010624.D (-222) (-)





#13

Acetone

Concen: 7.054 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

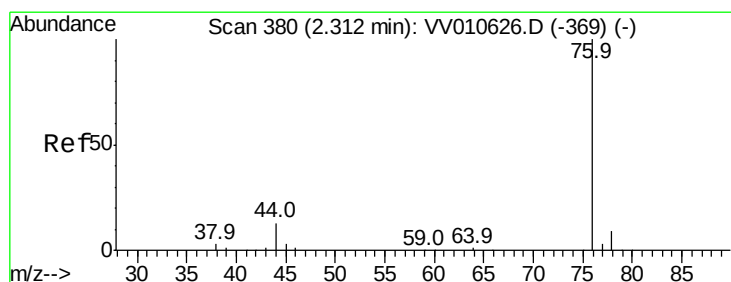
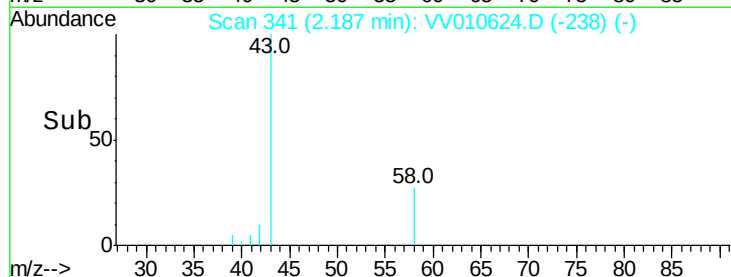
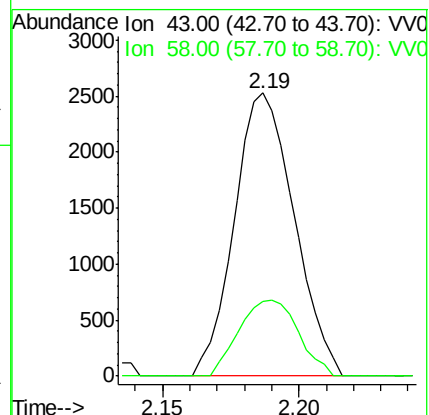
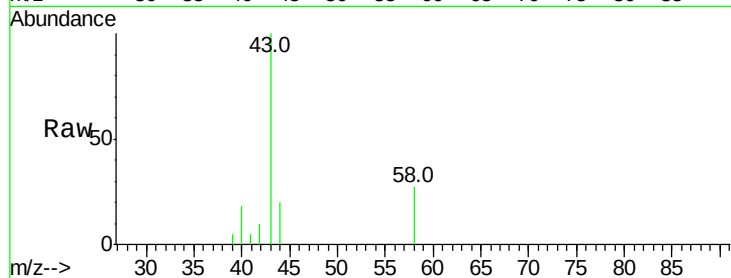
VSTD2.560

Tgt Ion: 43 Resp: 3845

Ion Ratio Lower Upper

43 100

58 26.6 0.0 58.2



#14

Carbon disulfide

Concen: 3.148 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010624.D

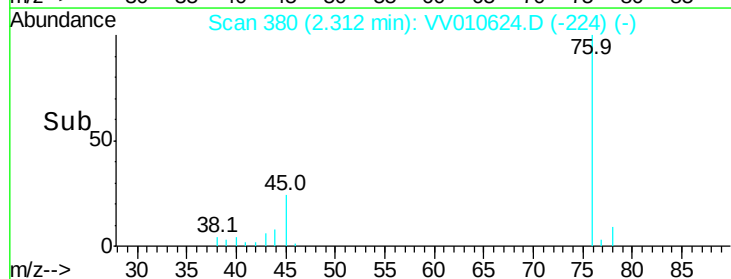
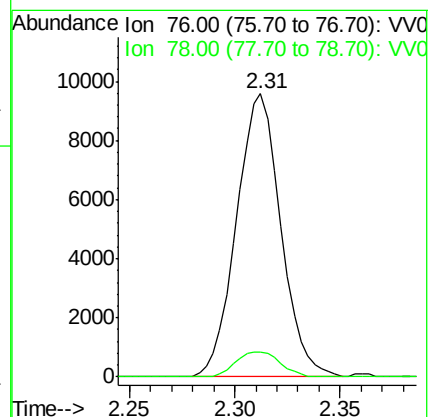
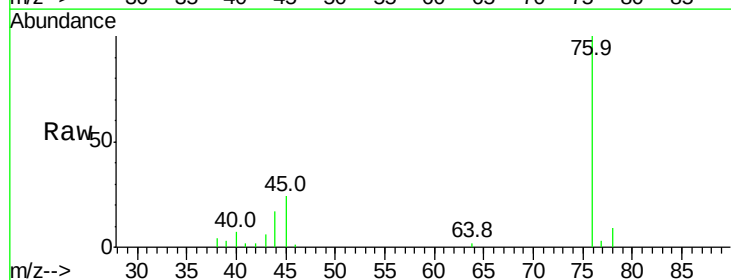
Acq: 02 May 2019 11:28

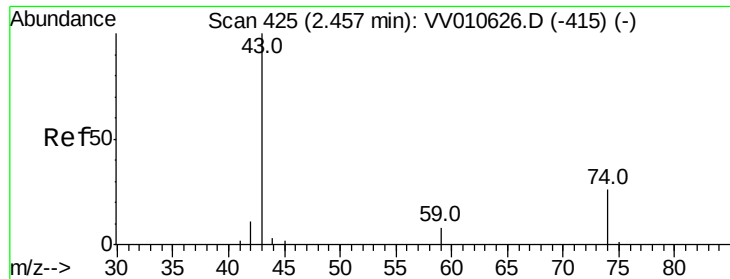
Tgt Ion: 76 Resp: 13986

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 3.113 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampled :

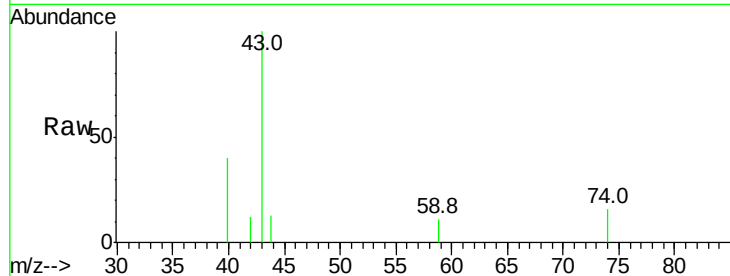
VSTD2.560

Tgt Ion: 43 Resp: 2526

Ion Ratio Lower Upper

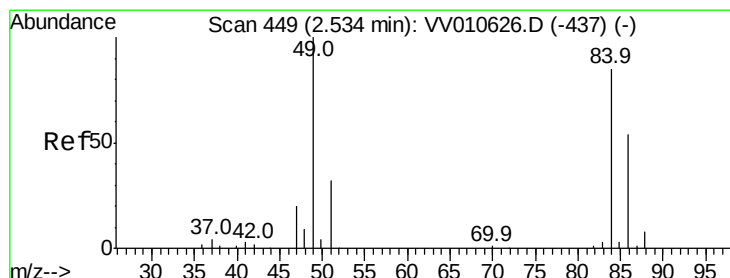
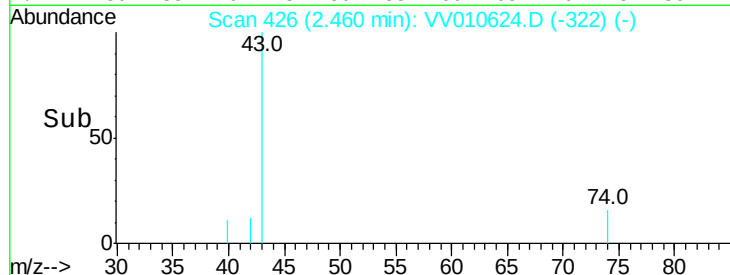
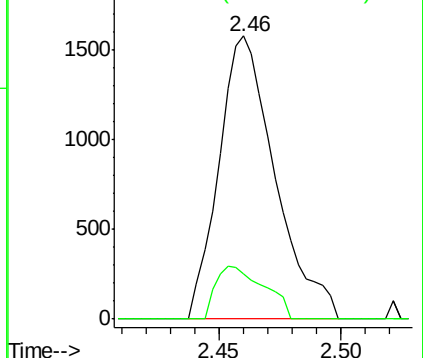
43 100

74 16.2 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 2.846 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

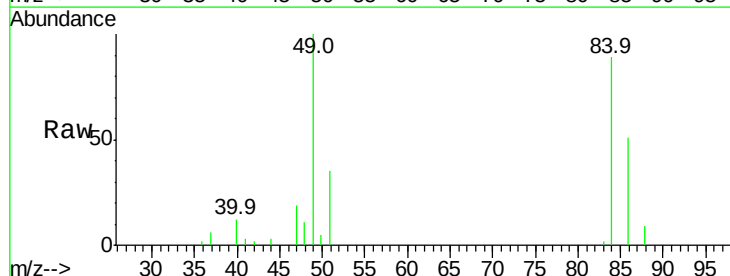
Tgt Ion: 84 Resp: 6589

Ion Ratio Lower Upper

84 100

49 111.9 81.9 152.1

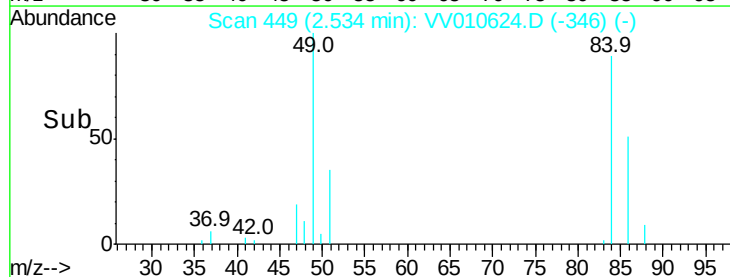
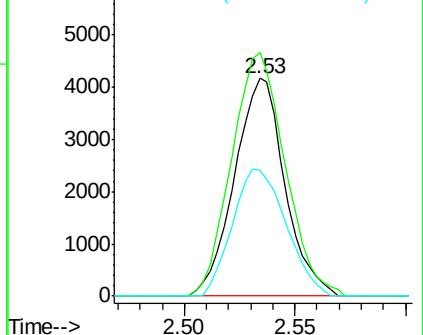
86 57.6 44.0 81.6

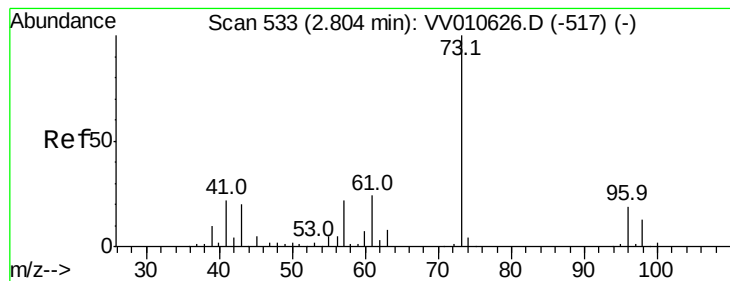


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#17

Methyl tert-butyl Ether

Concen: 2.431 ug/L

RT: 2.80 min Scan# 533

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampled :

VSTD2.560

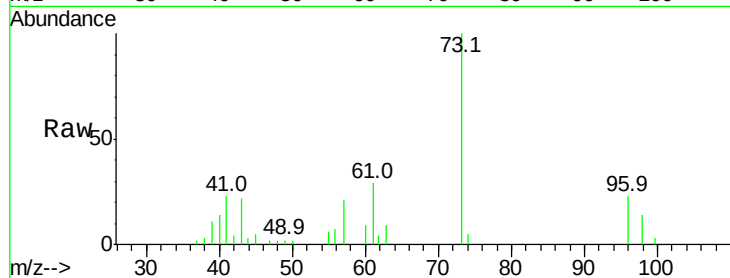
Tgt Ion: 73 Resp: 11455

Ion Ratio Lower Upper

73 100

43 19.5 15.9 23.9

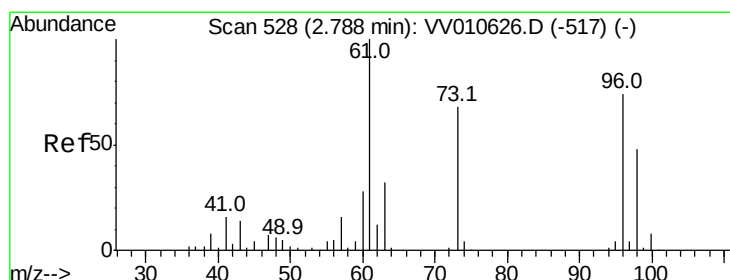
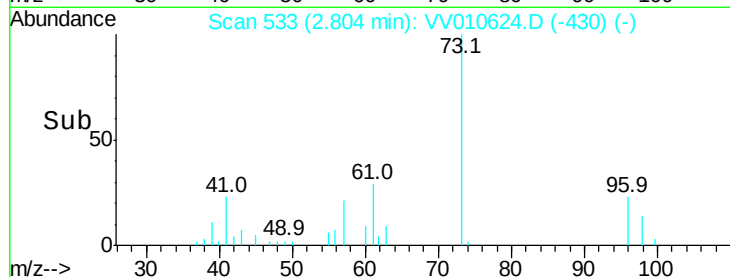
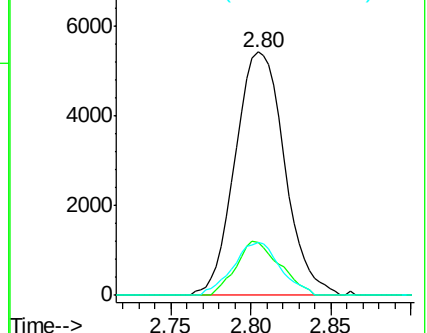
57 20.8 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VV010624.D (-517) (-)

Ion 43.00 (42.70 to 43.70): VV010624.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VV010624.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.844 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

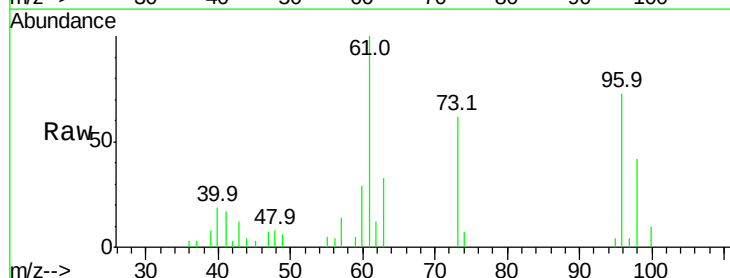
Tgt Ion: 96 Resp: 5000

Ion Ratio Lower Upper

96 100

61 137.5 94.6 175.8

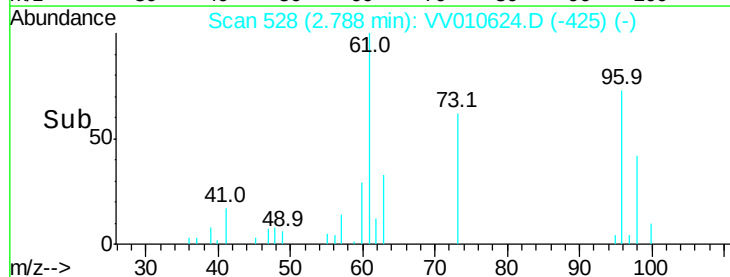
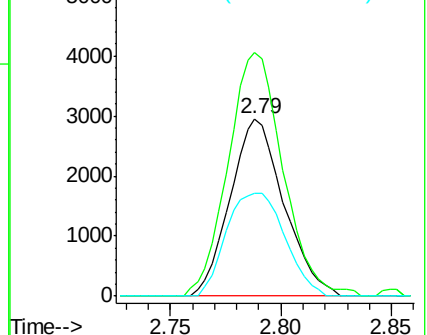
98 58.0 45.2 84.0

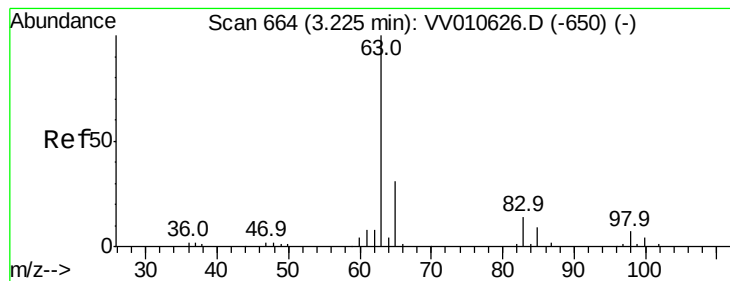


Abundance Ion 96.00 (95.70 to 96.70): VV010624.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV010624.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV010624.D (-517) (-)





#19

1,1-Dichloroethane

Concen: 2.978 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

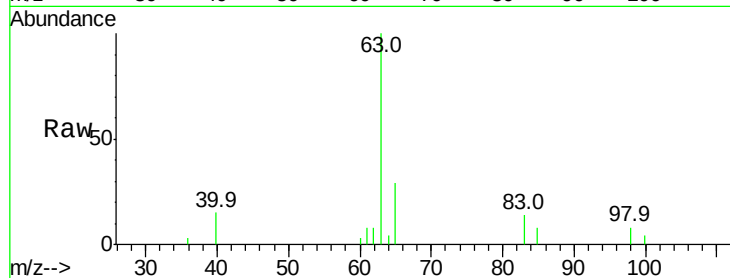
Tgt Ion: 63 Resp: 9358

Ion Ratio Lower Upper

63 100

65 29.3 22.0 40.8

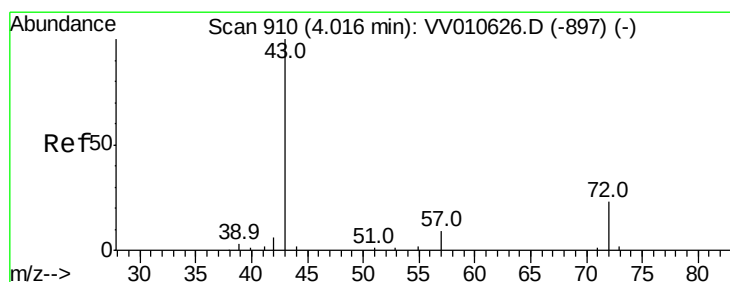
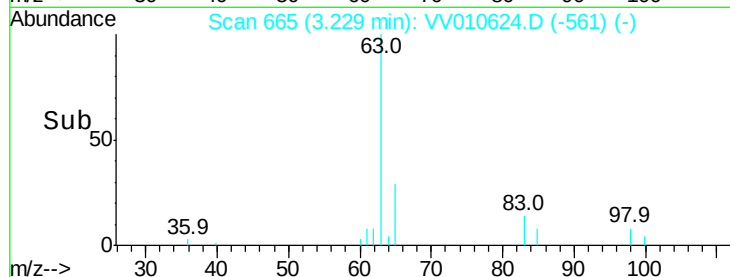
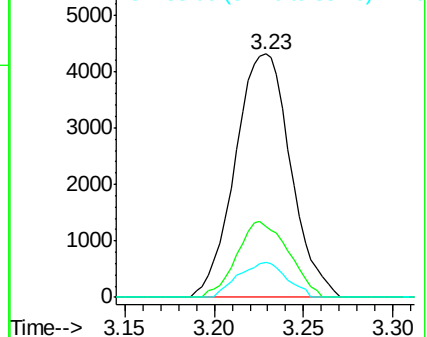
83 14.3 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV010624.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV010624.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV010624.D (-650) (-)



#21

2-Butanone

Concen: 3.208 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.01 min

Lab File: VV010624.D

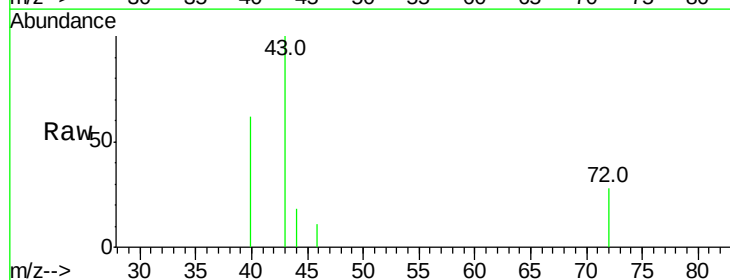
Acq: 02 May 2019 11:28

Tgt Ion: 43 Resp: 1864

Ion Ratio Lower Upper

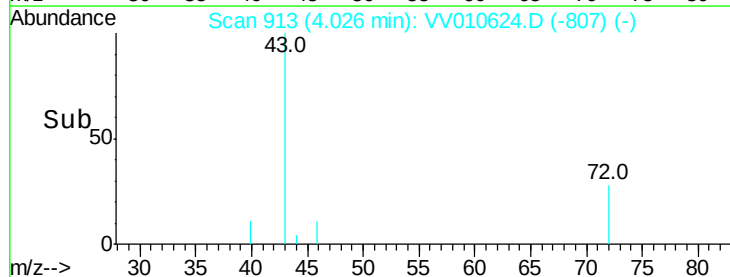
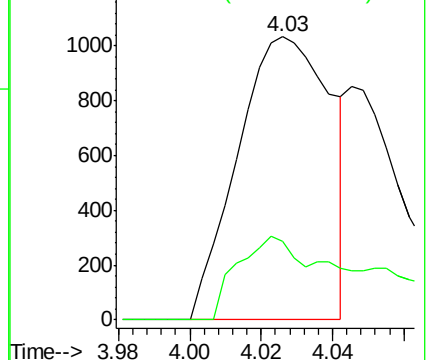
43 100

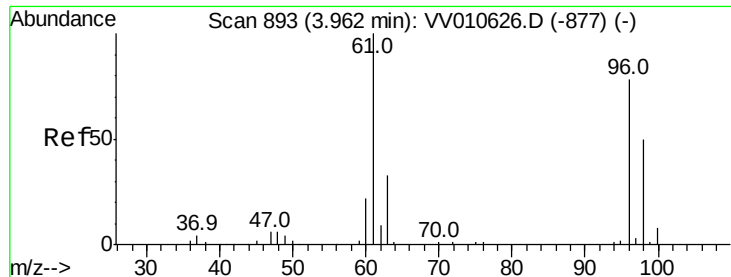
72 19.4 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV010624.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV010624.D (-897) (-)



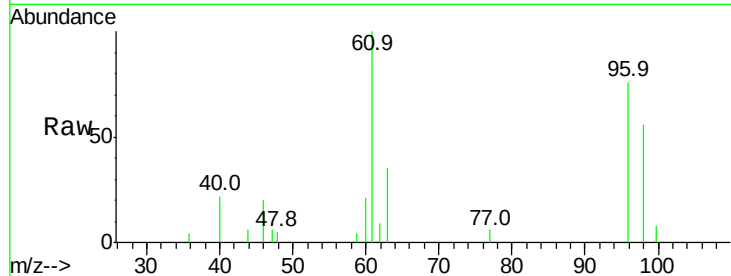


#22

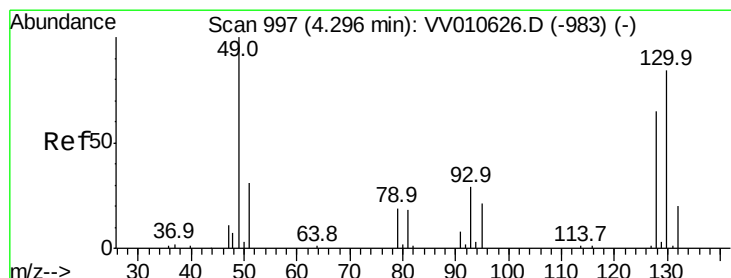
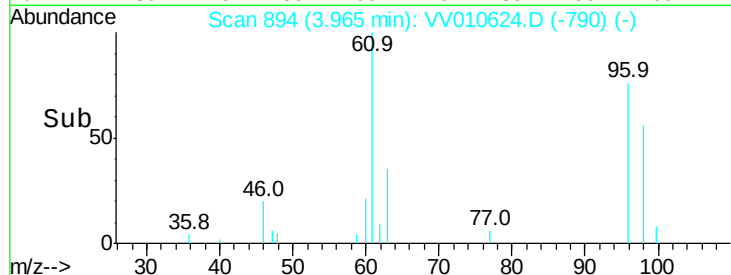
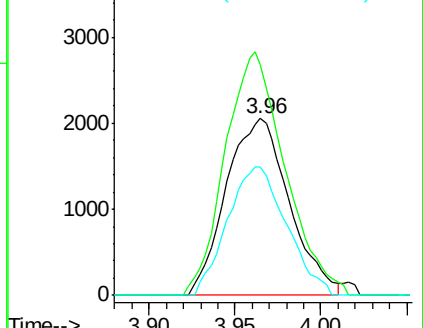
cis-1,2-Dichloroethene
Concen: 2.640 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

Tgt Ion: 96 Resp: 5234
Ion Ratio Lower Upper
96 100
61 130.7 89.6 166.4
98 73.1 44.5 82.7



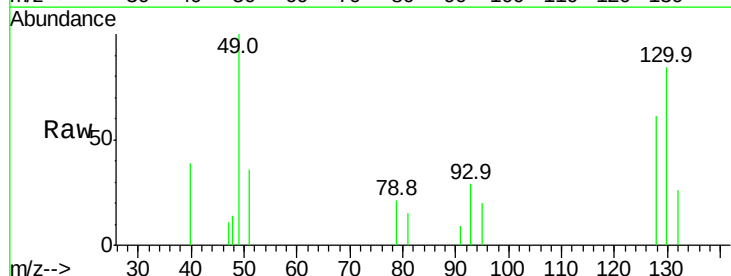
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



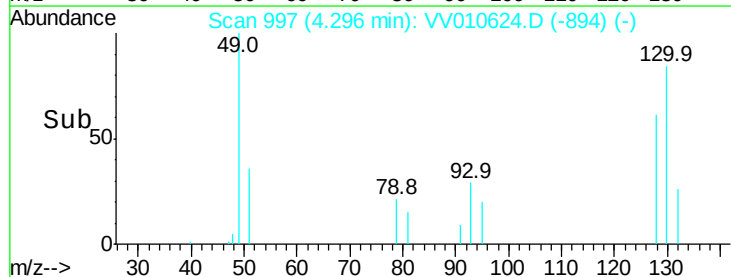
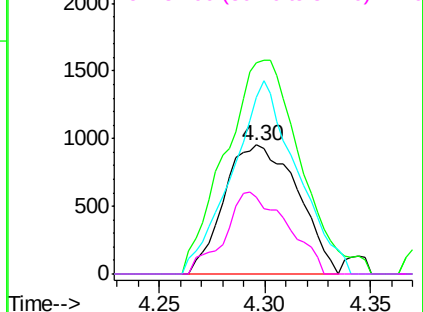
#23

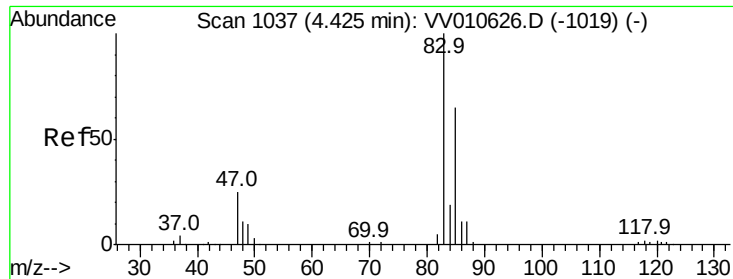
Bromochloromethane
Concen: 2.426 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion: 128 Resp: 2320
Ion Ratio Lower Upper
128 100
49 163.3 108.0 200.6
130 137.3 89.7 166.7
51 59.4 37.3 55.9#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0





#25

Chloroform

Concen: 2.611 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

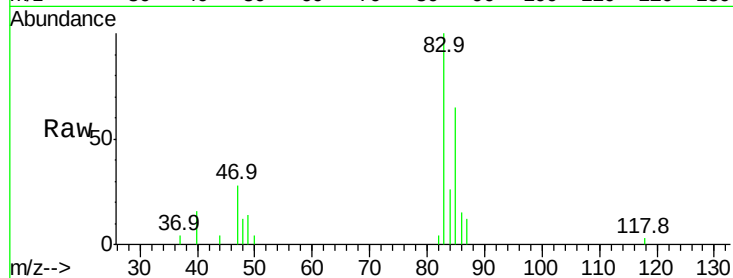
VSTD2.560

Tgt Ion: 83 Resp: 9857

Ion Ratio Lower Upper

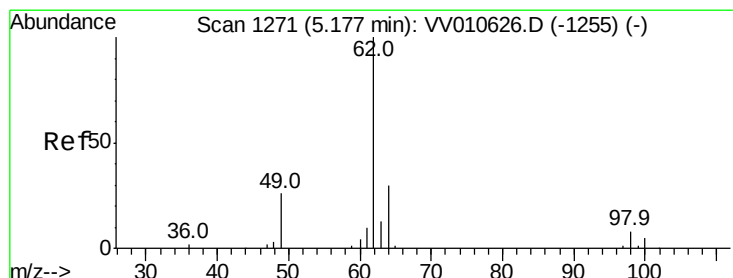
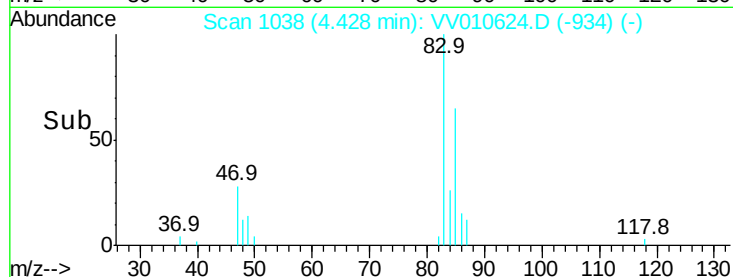
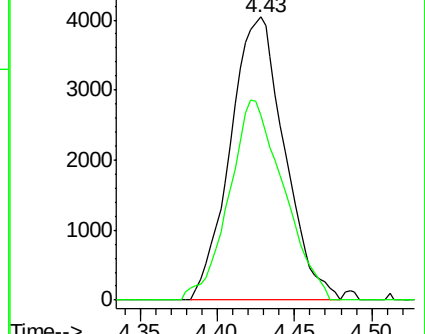
83 100

85 71.1 46.3 86.1



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 2.356 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV010624.D

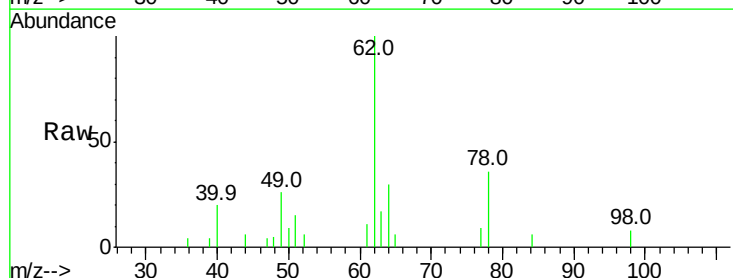
Acq: 02 May 2019 11:28

Tgt Ion: 62 Resp: 6238

Ion Ratio Lower Upper

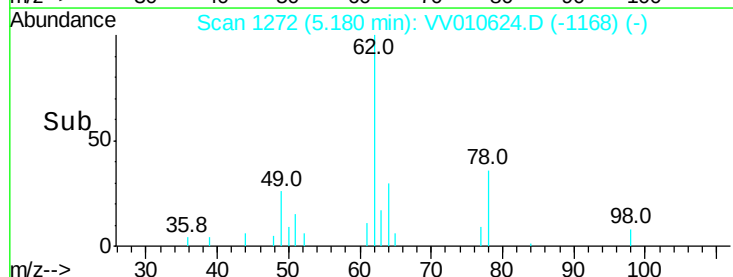
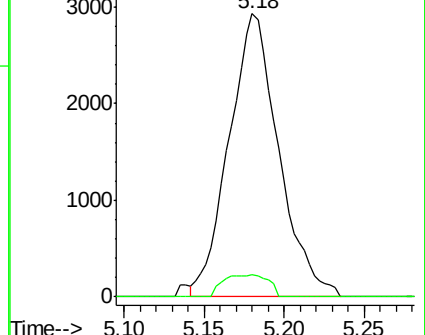
62 100

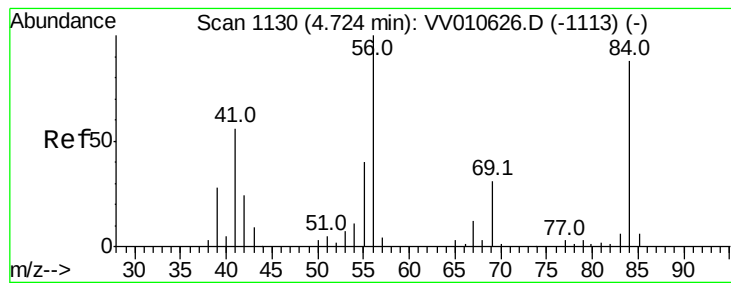
98 8.0 6.6 10.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#30

Cyclohexane

Concen: 2.552 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

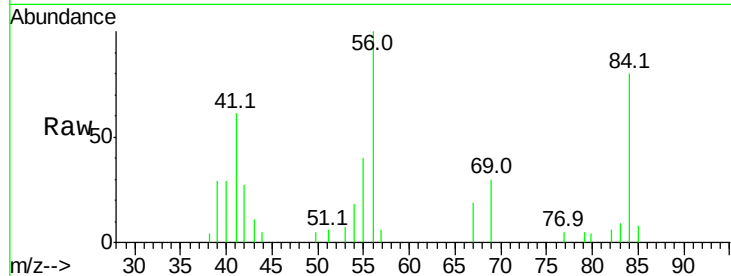
Tgt Ion: 56 Resp: 7094

Ion Ratio Lower Upper

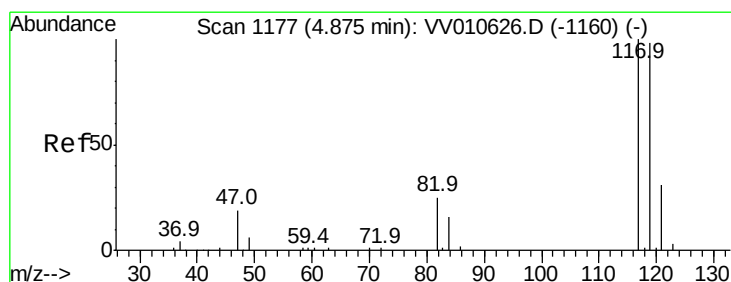
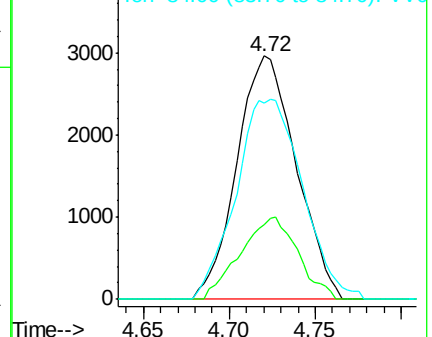
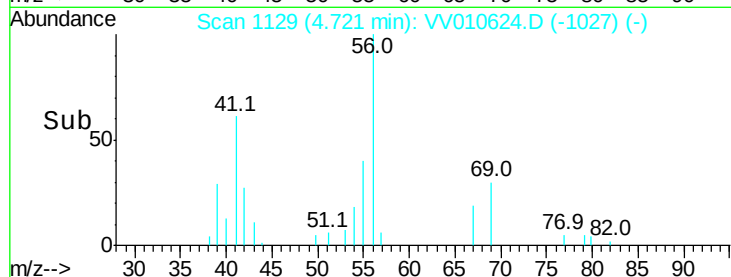
56 100

69 32.6 25.0 37.6

84 91.9 71.6 107.4



Abundance Ion 56.00 (55.70 to 56.70): VV010624.D (-1027) (-)



#32

Carbon tetrachloride

Concen: 2.150 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010624.D

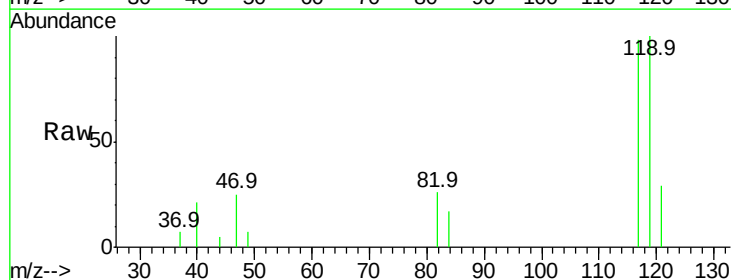
Acq: 02 May 2019 11:28

Tgt Ion: 117 Resp: 6835

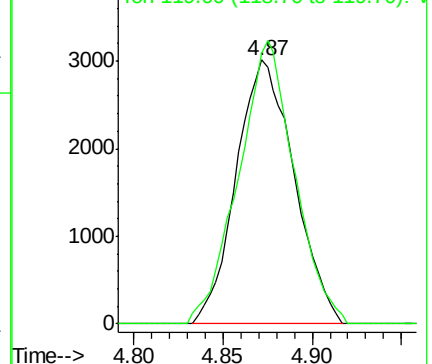
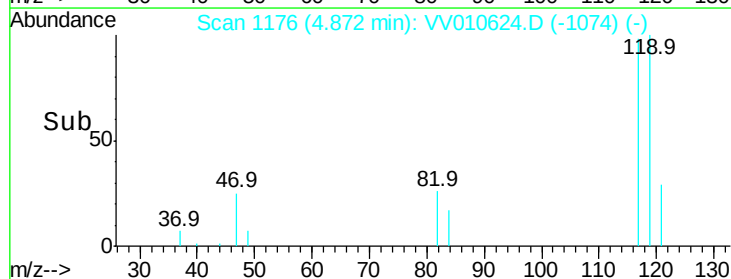
Ion Ratio Lower Upper

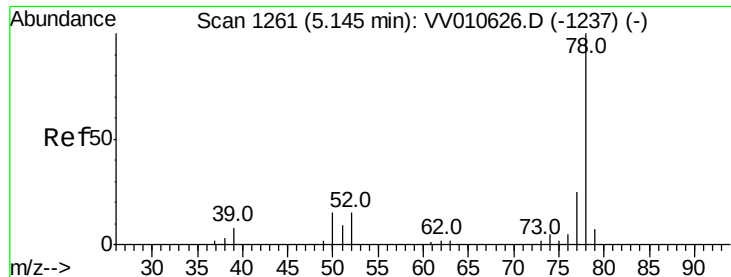
117 100

119 103.4 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): VV010624.D (-1074) (-)





#34

Benzene

Concen: 2.825 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

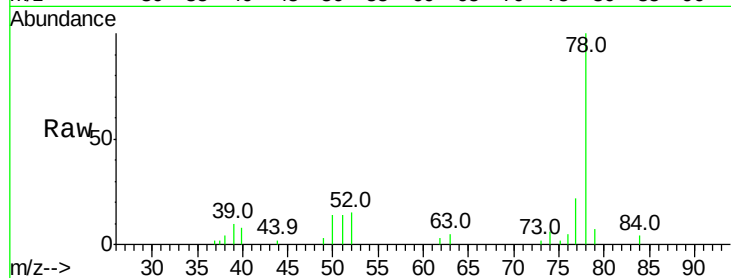
Instrument :

MSVOA_V

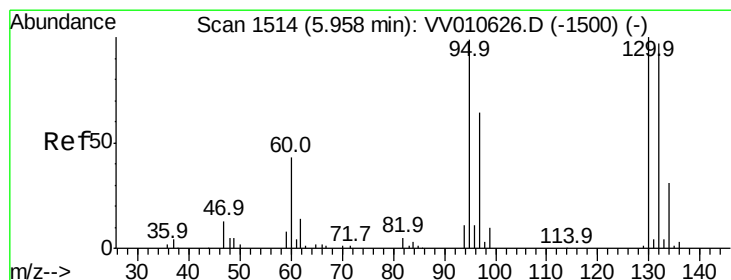
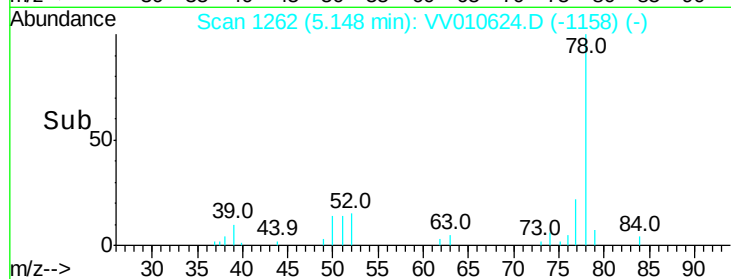
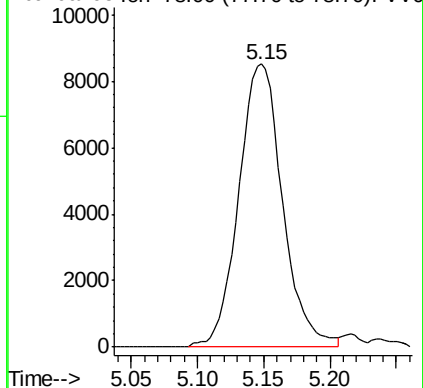
ClientSampleId :

VSTD2.560

Tgt Ion: 78 Resp: 19593



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 2.787 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Tgt Ion: 95 Resp: 5861

Ion	Ratio	Lower	Upper
95	100		
97	61.3	45.0	83.6
132	93.6	69.9	129.9
130	102.7	71.3	132.3

95 100

97 61.3 45.0 83.6

132 93.6 69.9 129.9

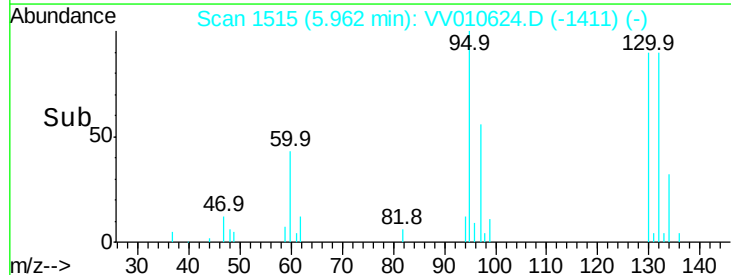
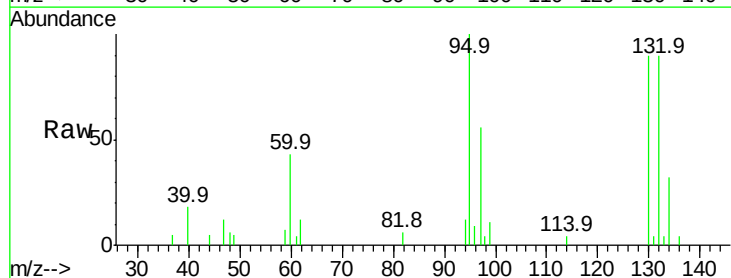
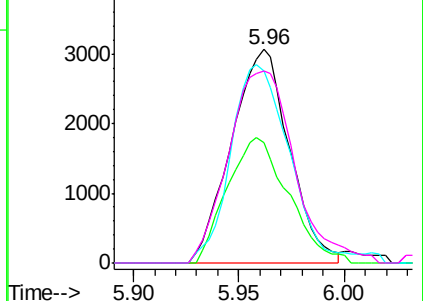
130 102.7 71.3 132.3

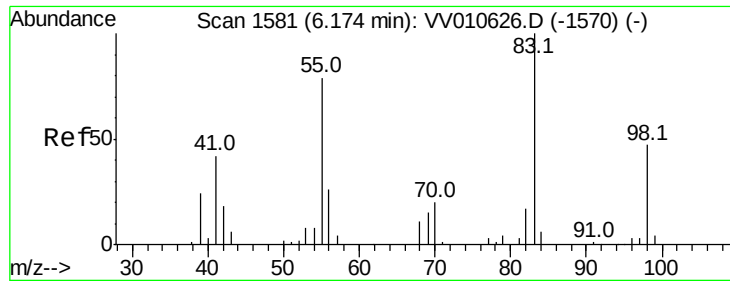
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

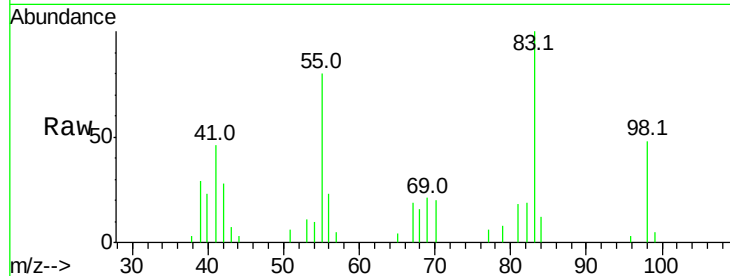




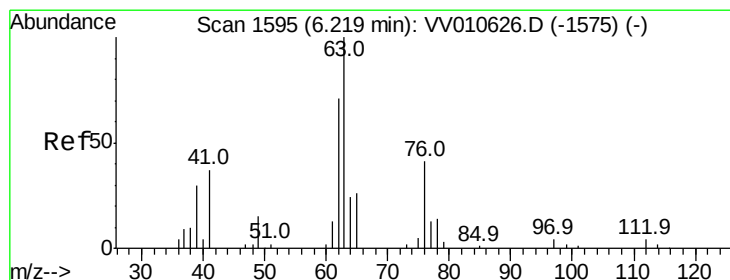
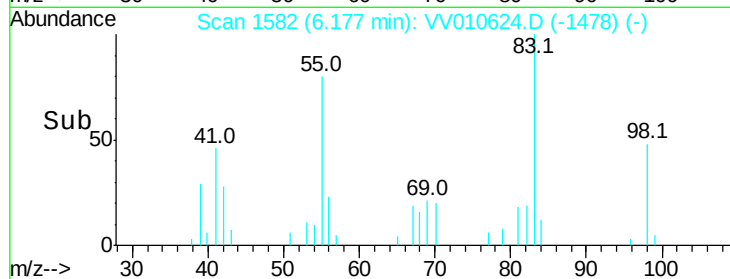
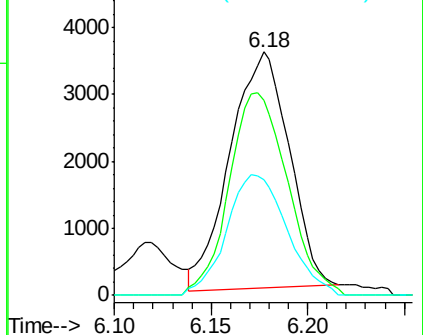
#36
Methylcyclohexane
Concen: 2.390 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

Tgt Ion: 83 Resp: 7510
Ion Ratio Lower Upper
83 100
55 84.5 61.4 92.0
98 52.1 37.4 56.2

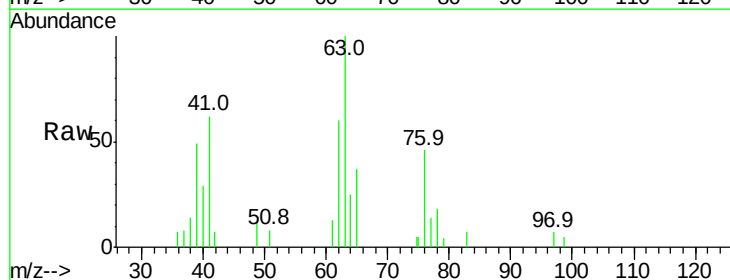


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

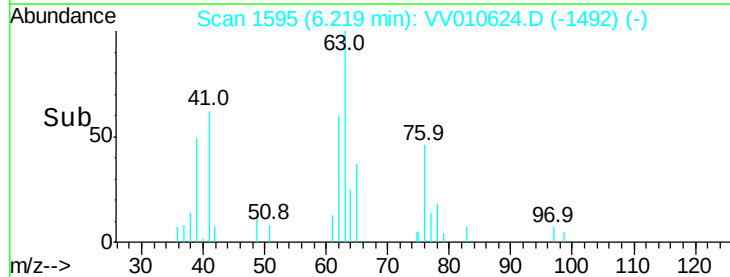
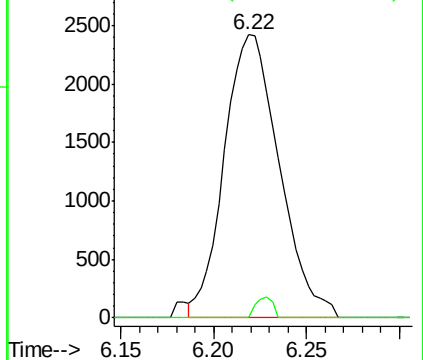


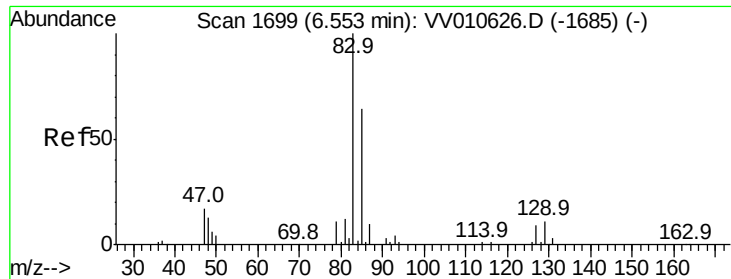
#40
1,2-Dichloropropane
Concen: 2.928 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion: 63 Resp: 4997
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V





#41

Bromodichloromethane

Concen: 2.333 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

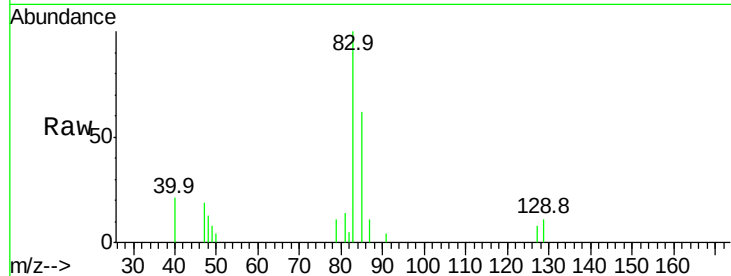
Tgt Ion: 83 Resp: 6143

Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.9

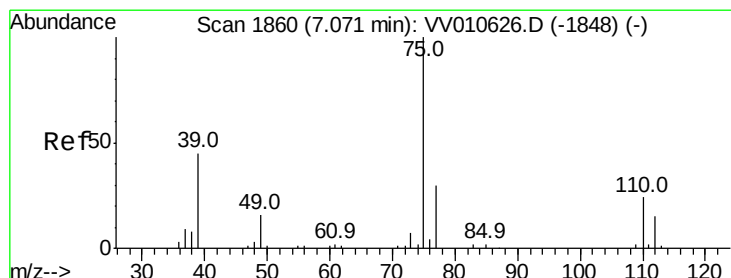
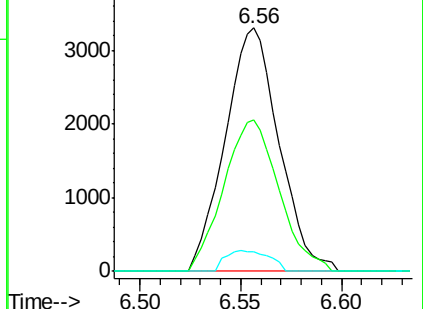
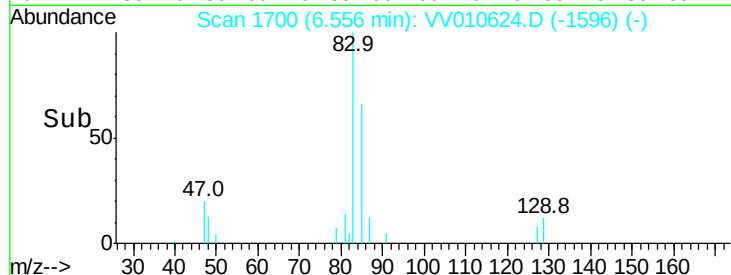
127 8.0 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV010624.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV010624.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV010624.D (-1596) (-)



#42

cis-1,3-Dichloropropene

Concen: 2.315 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV010624.D

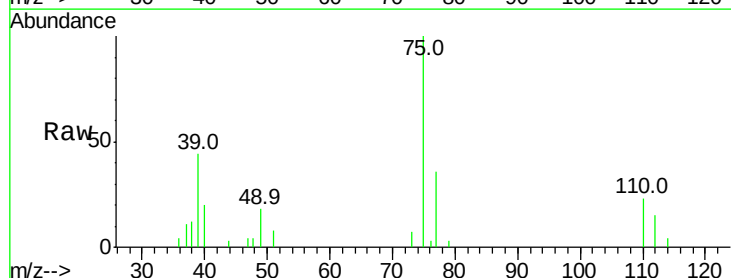
Acq: 02 May 2019 11:28

Tgt Ion: 75 Resp: 6526

Ion Ratio Lower Upper

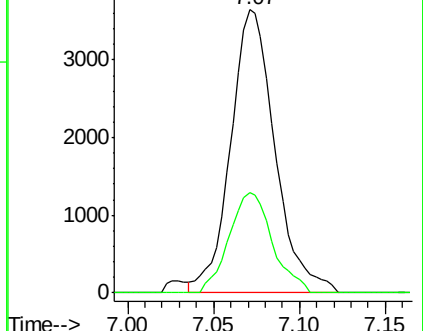
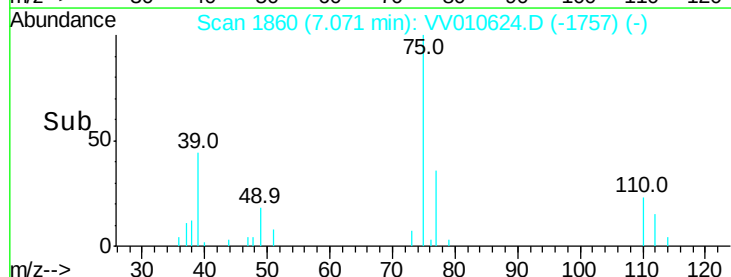
75 100

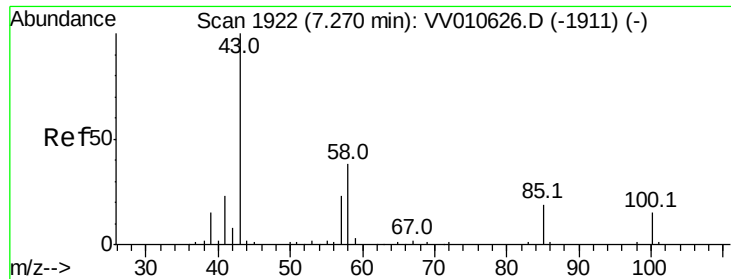
77 35.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV010624.D (-1757) (-)

Ion 77.00 (76.70 to 77.70): VV010624.D (-1757) (-)

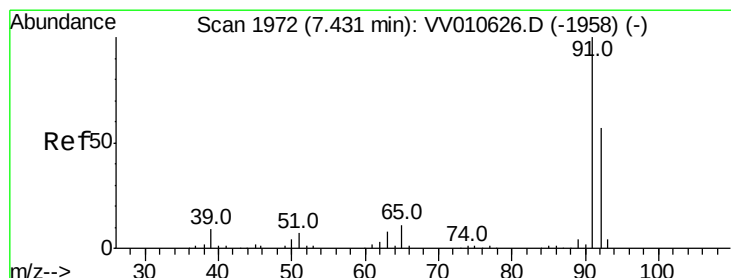
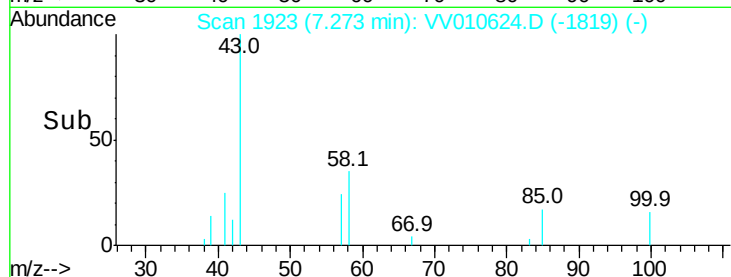
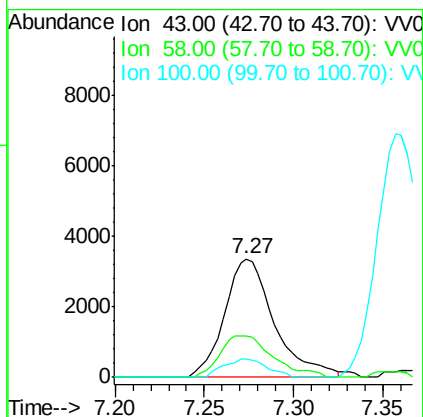
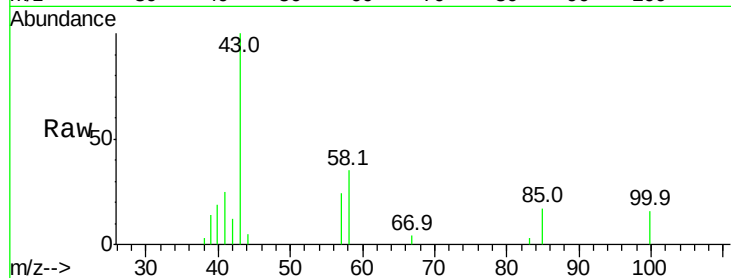




#43
4-Methyl-2-pentanone
Concen: 5.144 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

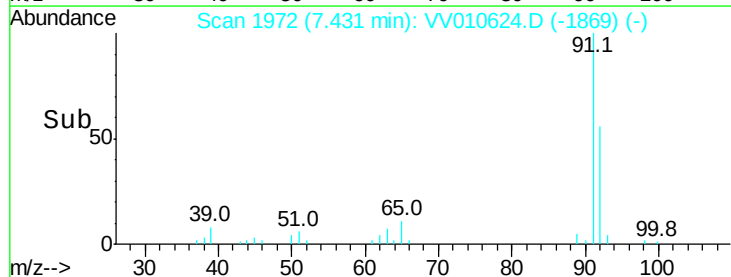
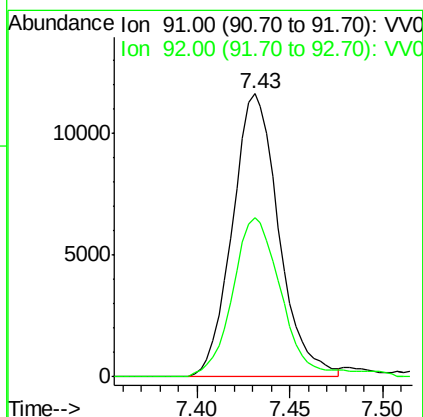
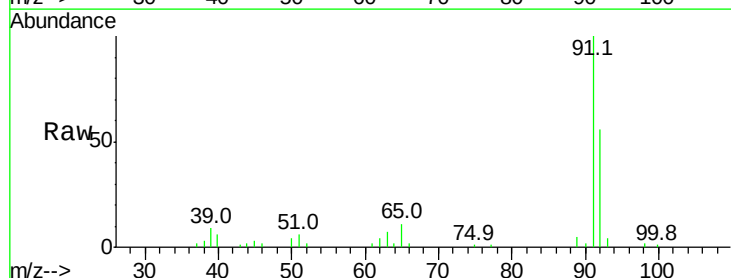
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

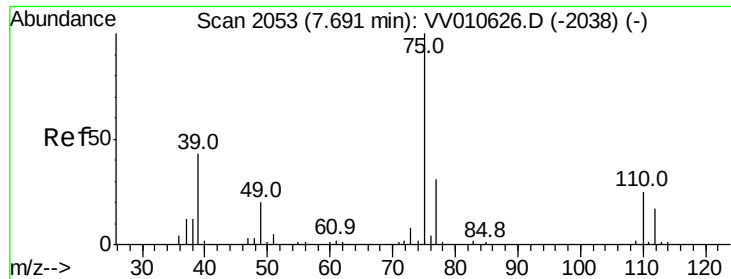
Tgt Ion: 43 Resp: 6520
Ion Ratio Lower Upper
43 100
58 35.3 29.6 44.4
100 13.4 11.2 16.8



#44
Toluene
Concen: 2.416 ug/L
RT: 7.43 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion: 91 Resp: 20250
Ion Ratio Lower Upper
91 100
92 56.3 40.1 74.5





#45

trans-1,3-Dichloropropene

Concen: 1.946 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

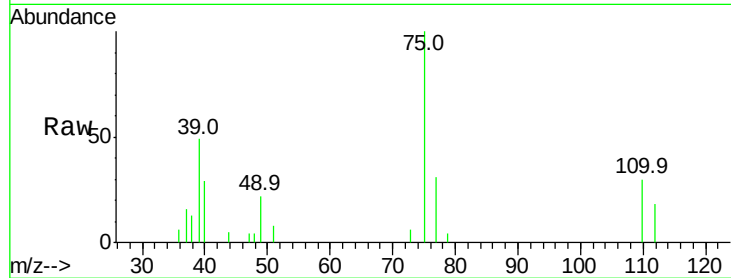
VSTD2.560

Tgt Ion: 75 Resp: 5009

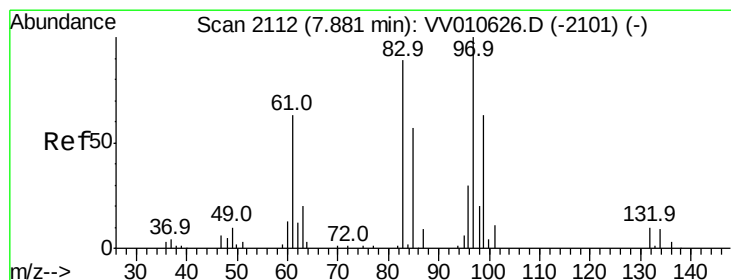
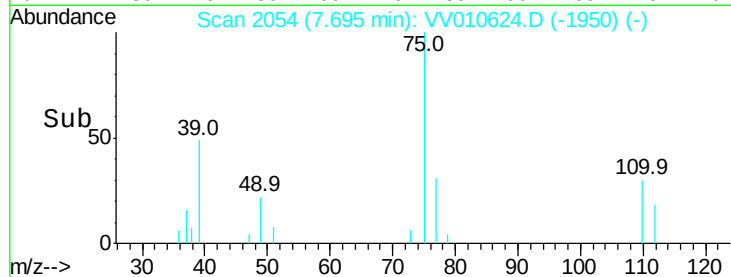
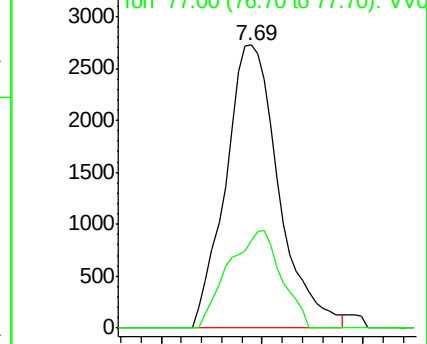
Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV010626.D (-2038) (-)



#46

1,1,2-Trichloroethane

Concen: 2.472 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Tgt Ion: 97 Resp: 3784

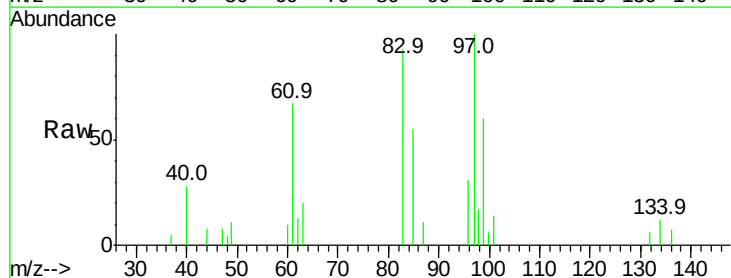
Ion Ratio Lower Upper

97 100

83 92.7 62.1 115.3

85 54.7 39.8 74.0

99 59.7 44.2 82.0

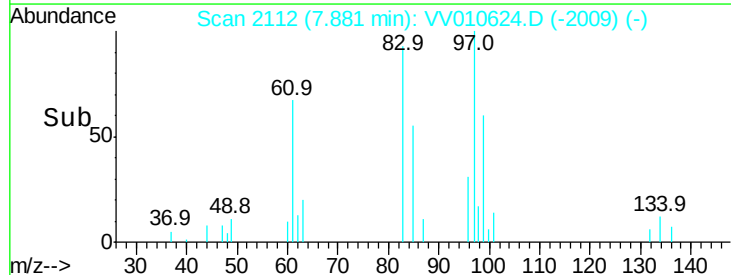
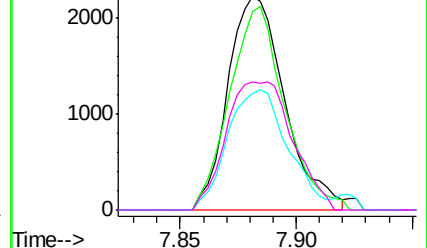


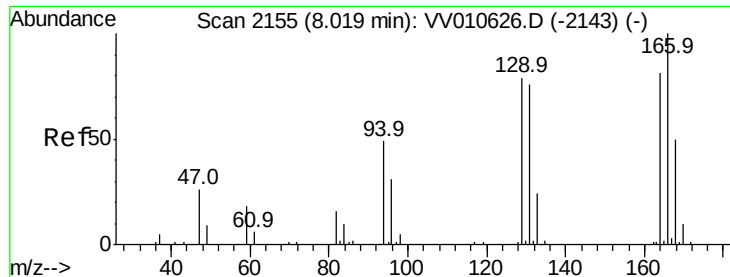
Abundance Ion 97.00 (96.70 to 97.70): VV010626.D (-2101) (-)

Ion 83.00 (82.70 to 83.70): VV010626.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV010626.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV010626.D (-2101) (-)





#47

Tetrachloroethene

Concen: 2.521 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

Tgt Ion:164 Resp: 4707

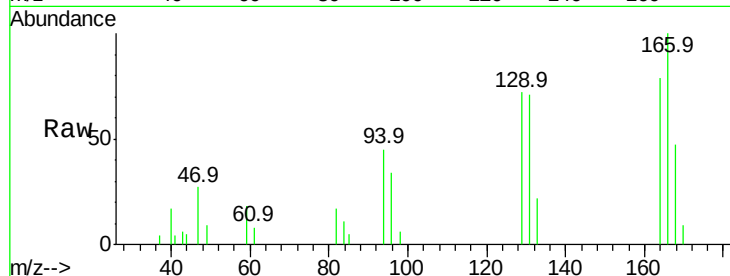
Ion Ratio Lower Upper

164 100

129 90.7 67.5 125.4

131 89.7 65.1 120.9

166 126.8 86.0 159.6

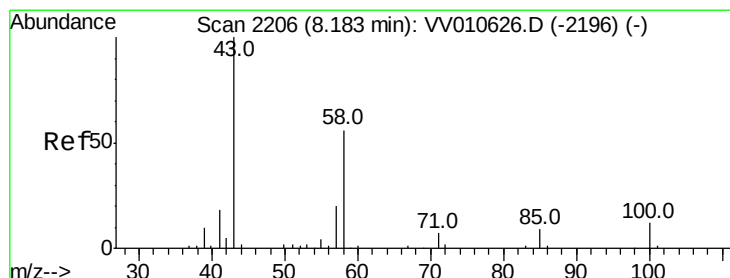
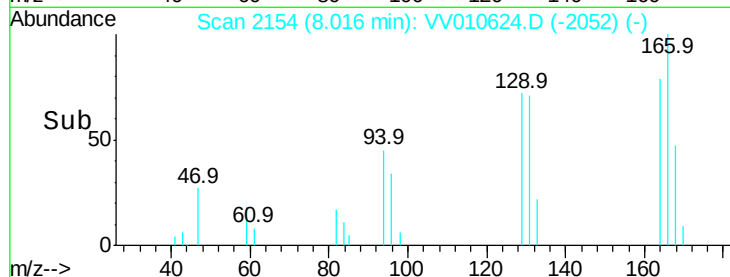
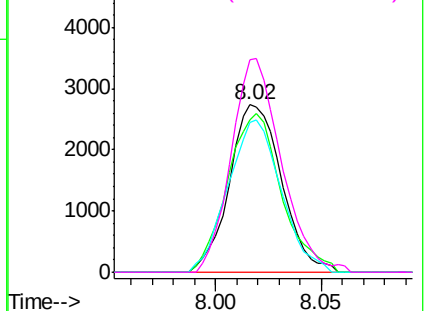


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 5.087 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Tgt Ion: 43 Resp: 4578

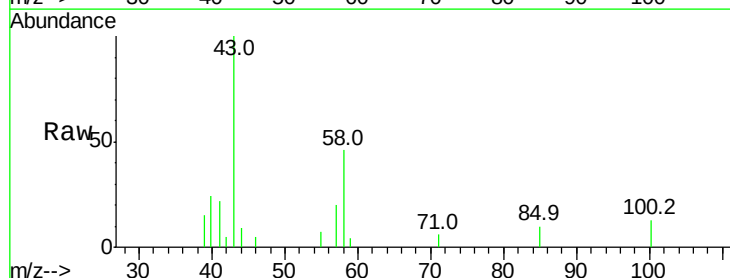
Ion Ratio Lower Upper

43 100

58 45.0 42.5 63.7

57 17.3 14.4 21.6

100 9.1 10.0 15.0#

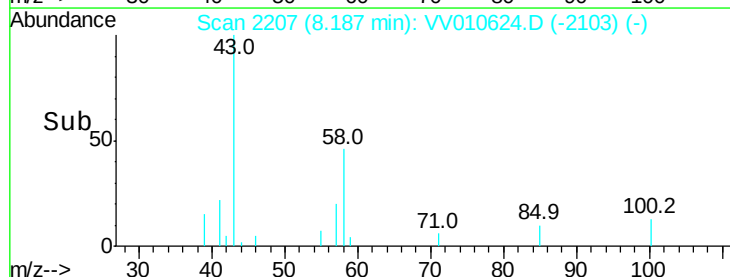
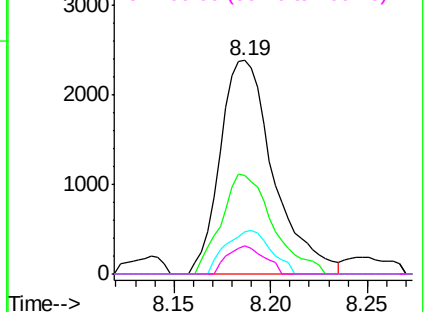


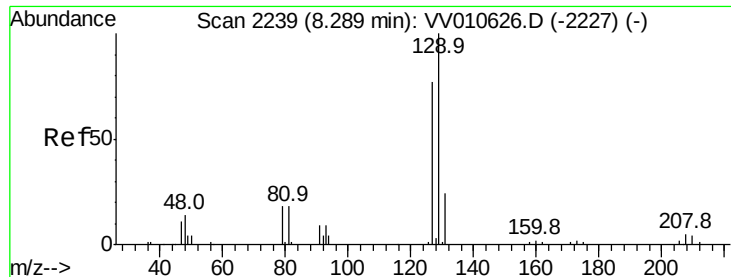
Abundance Ion 43.00 (42.70 to 43.70): VV0

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

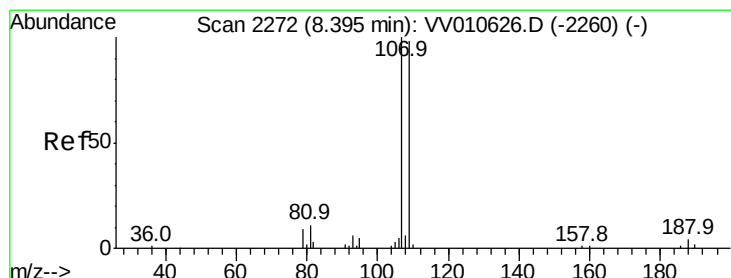
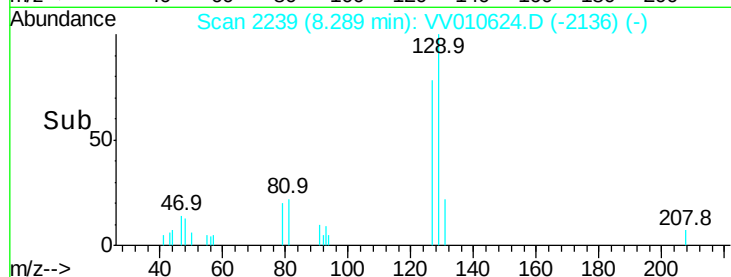
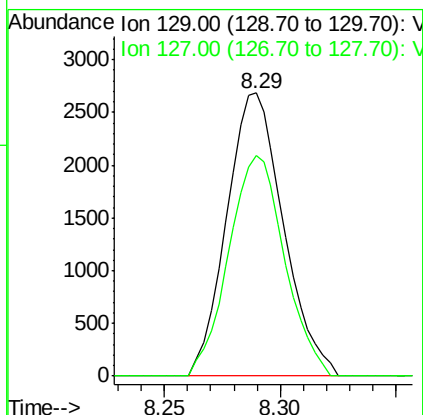
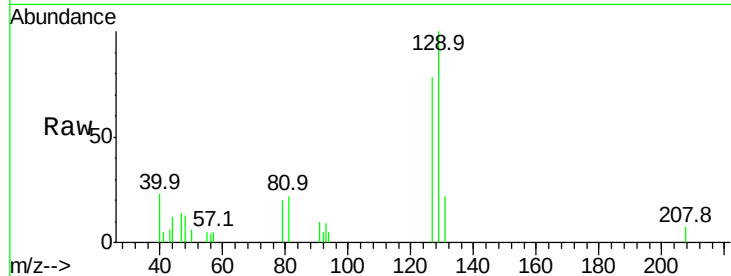




#50
Dibromochloromethane
Concen: 2.208 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

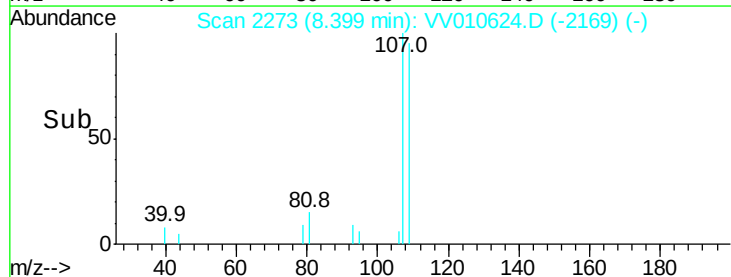
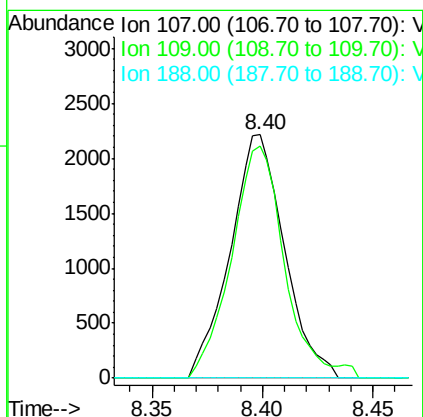
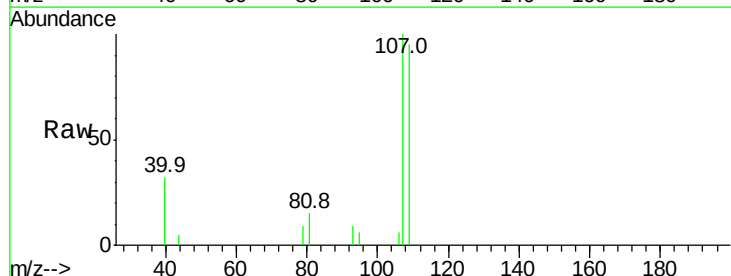
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

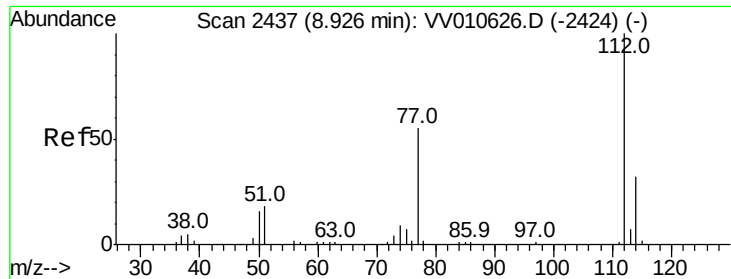
Tgt Ion:129 Resp: 4557
Ion Ratio Lower Upper
129 100
127 77.8 53.9 100.1



#51
1,2-Dibromoethane
Concen: 2.356 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion:107 Resp: 3784
Ion Ratio Lower Upper
107 100
109 95.4 68.7 127.7
188 0.0 3.0 4.4#

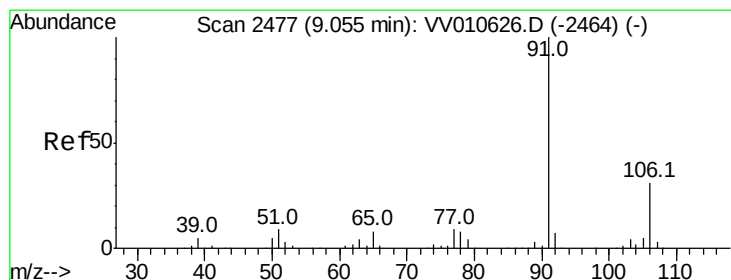
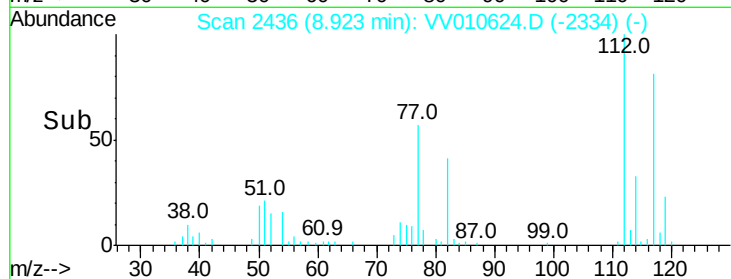
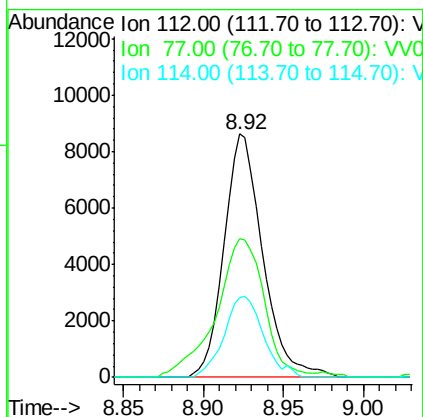
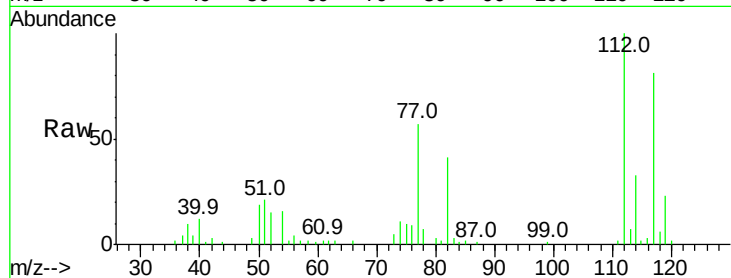




#52
Chlorobenzene
Concen: 2.425 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

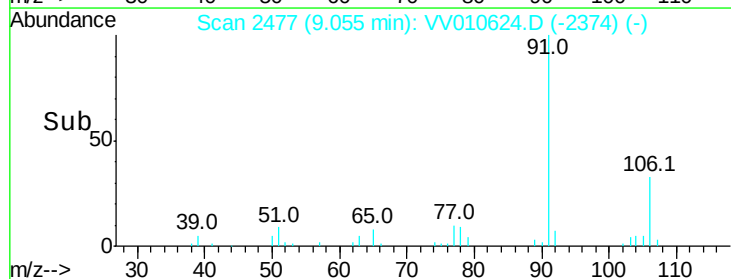
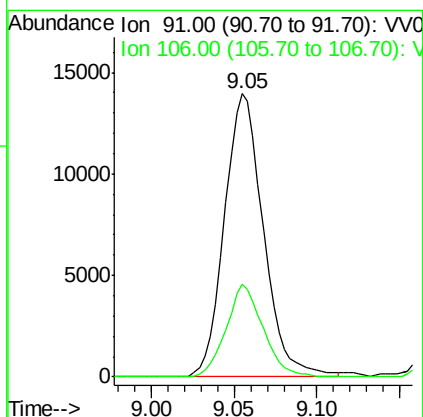
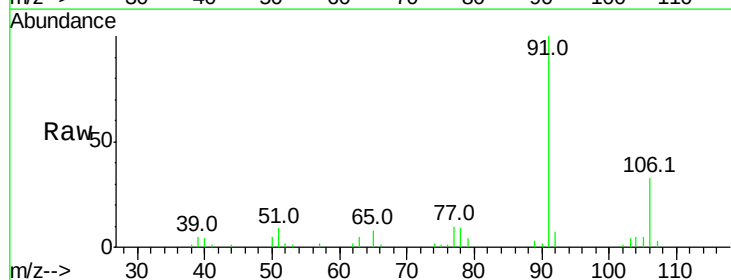
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.560

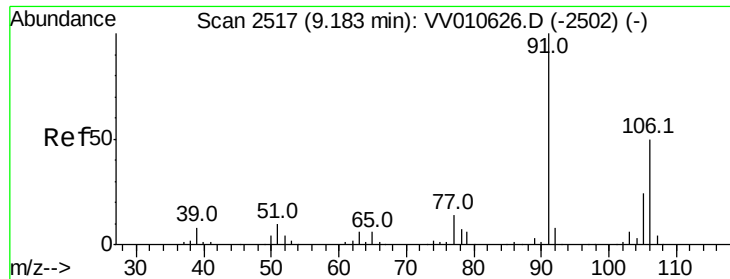
Tgt Ion: 112 Resp: 14251
Ion Ratio Lower Upper
112 100
77 56.8 44.5 66.7
114 32.7 22.5 41.7



#53
Ethylbenzene
Concen: 2.328 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV010624.D
Acq: 02 May 2019 11:28

Tgt Ion: 91 Resp: 22816
Ion Ratio Lower Upper
91 100
106 32.5 22.0 41.0





#54

m,p-Xylene

Concen: 2.028 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

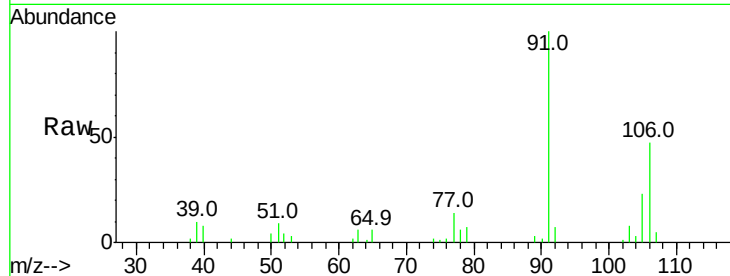
VSTD2.560

Tgt Ion:106 Resp: 7790

Ion Ratio Lower Upper

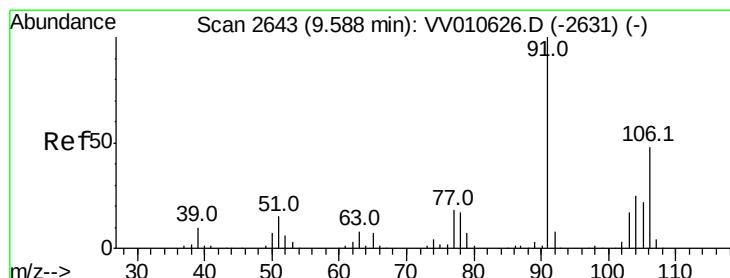
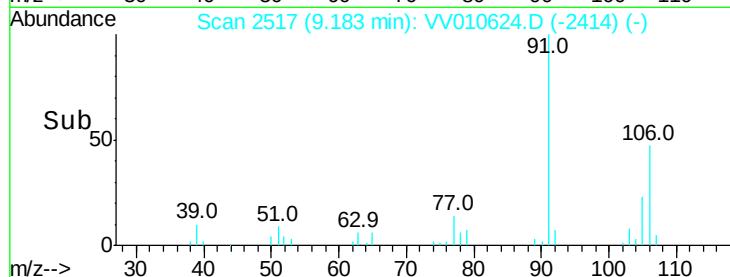
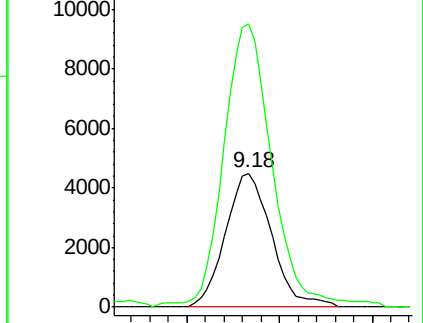
106 100

91 211.6 140.4 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

o-xylene

Concen: 1.965 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010624.D

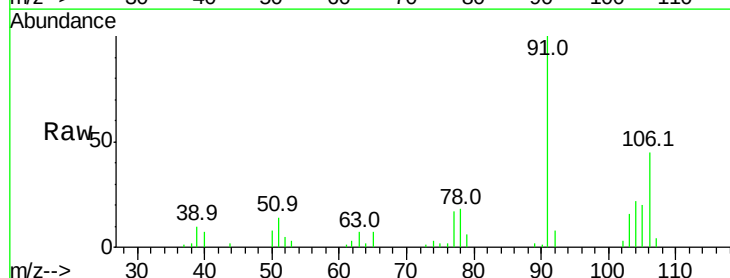
Acq: 02 May 2019 11:28

Tgt Ion:106 Resp: 7520

Ion Ratio Lower Upper

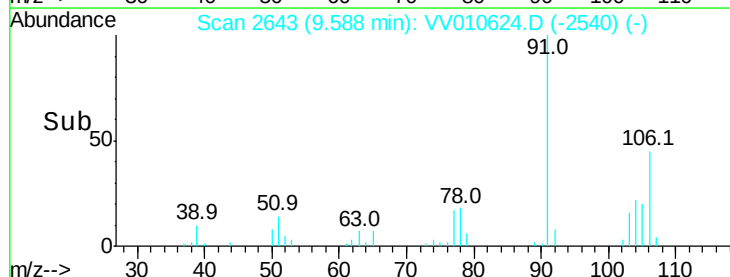
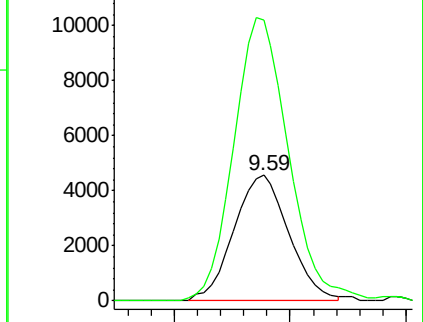
106 100

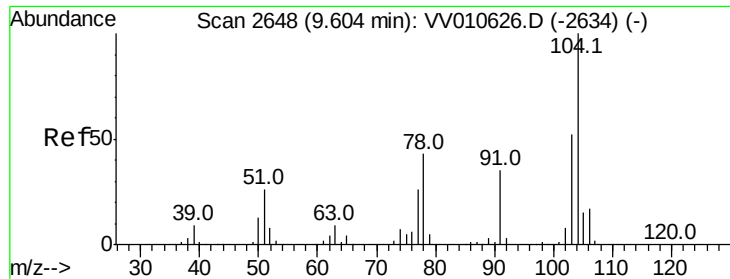
91 223.9 147.3 273.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Styrene

Concen: 1.987 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

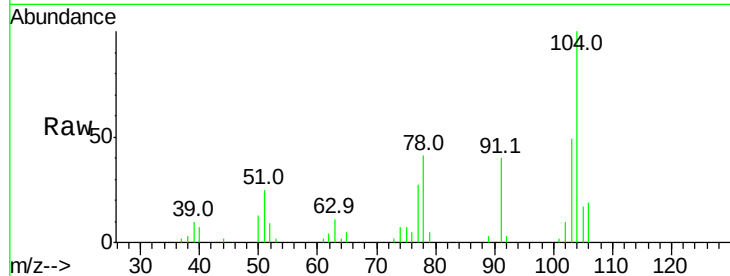
VSTD2.560

Tgt Ion:104 Resp: 12547

Ion Ratio Lower Upper

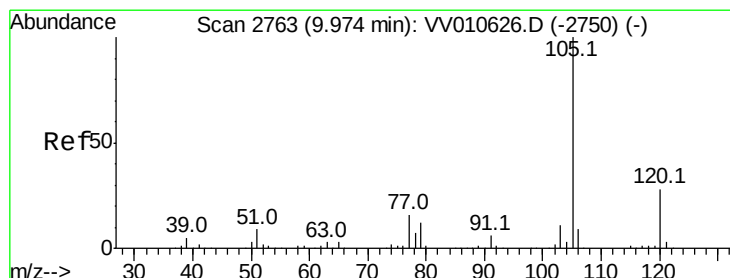
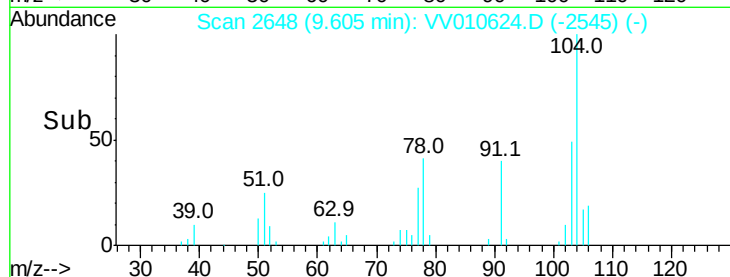
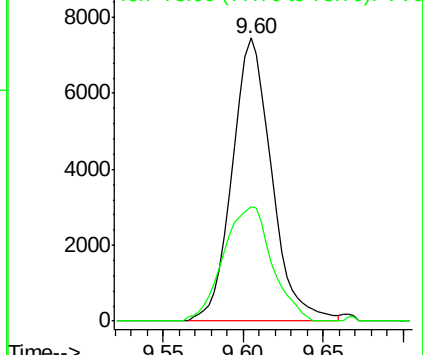
104 100

78 40.5 30.4 56.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



#57

Isopropylbenzene

Concen: 1.968 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

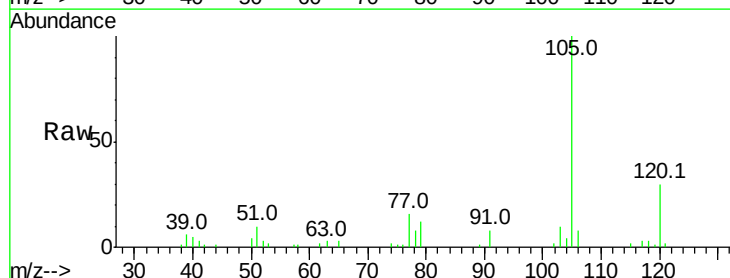
Tgt Ion:105 Resp: 20346

Ion Ratio Lower Upper

105 100

120 28.6 21.7 32.5

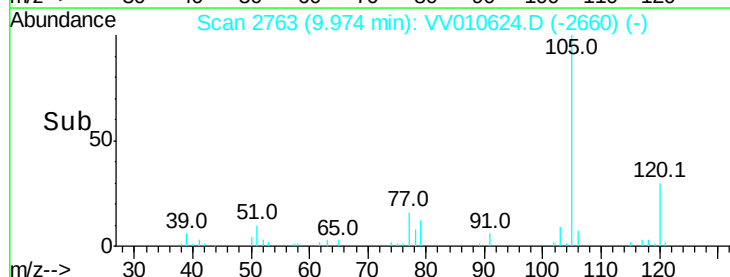
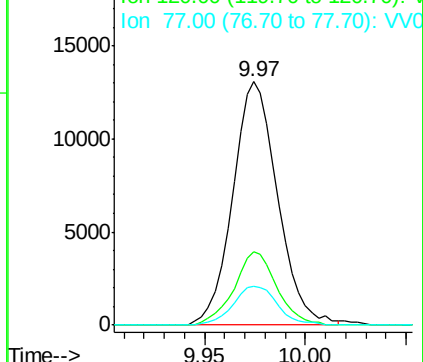
77 15.9 12.3 18.5

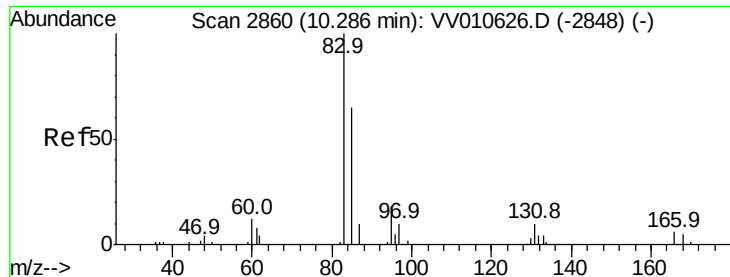


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 2.426 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

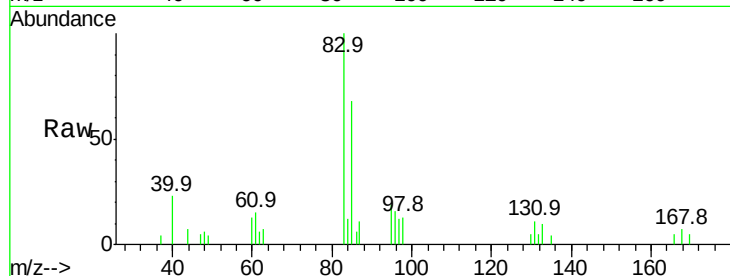
Tgt Ion: 83 Resp: 4812

Ion Ratio Lower Upper

83 100

85 67.8 46.5 86.3

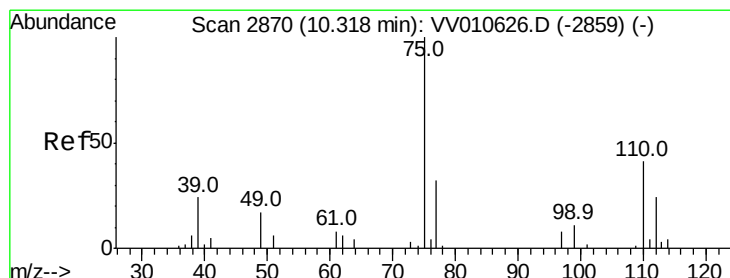
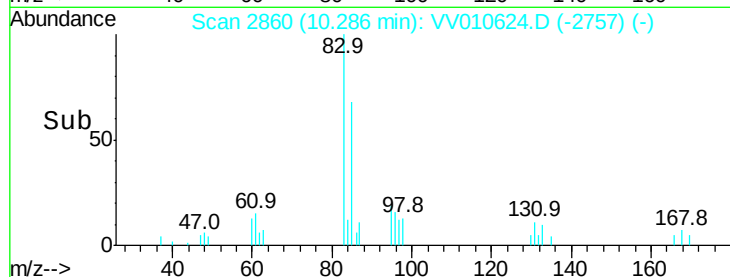
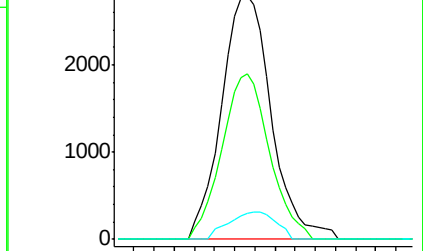
131 10.9 8.4 12.6



Abundance Ion 83.00 (82.70 to 83.70): VV010624.D (-2848) (-)

Ion 85.00 (84.70 to 85.70): VV010624.D (-2848) (-)

Ion 131.00 (130.70 to 131.70): VV010624.D (-2848) (-)



#59

1,2,3-Trichloropropane

Concen: 2.584 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010624.D

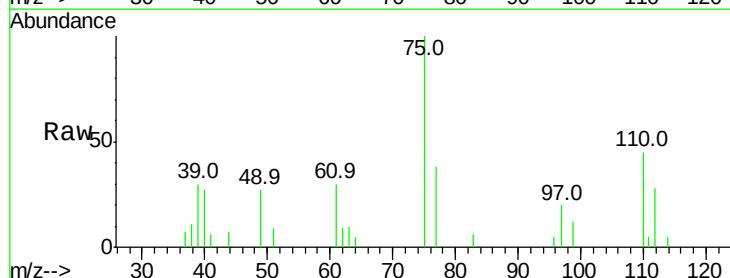
Acq: 02 May 2019 11:28

Tgt Ion: 75 Resp: 3797

Ion Ratio Lower Upper

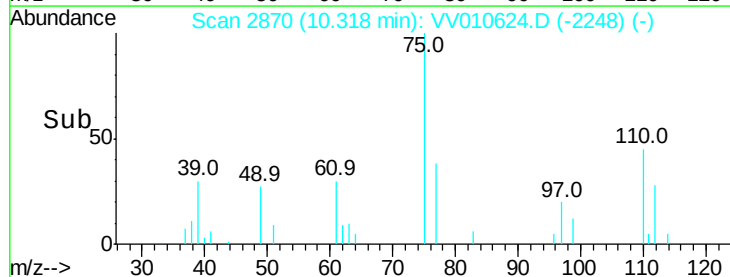
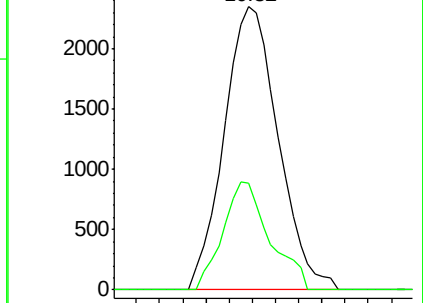
75 100

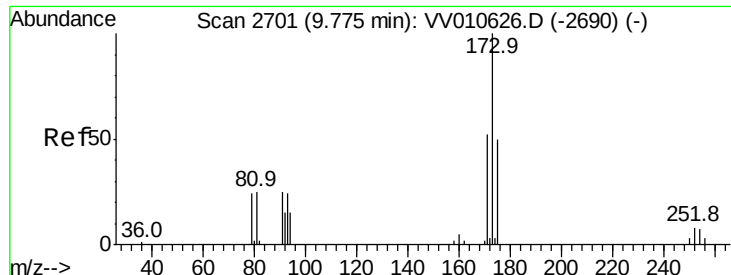
77 33.0 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV010624.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV010624.D (-2859) (-)





#62

Bromoform

Concen: 2.058 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

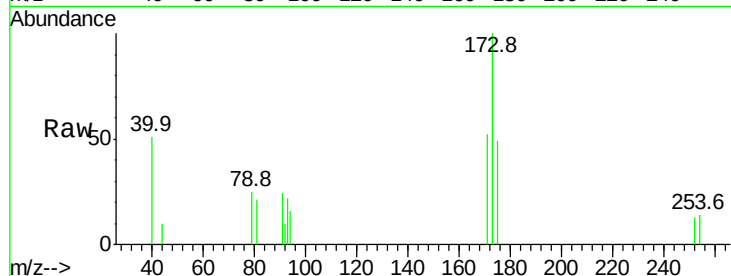
Tgt Ion:173 Resp: 2258

Ion Ratio Lower Upper

173 100

175 45.4 37.9 56.9

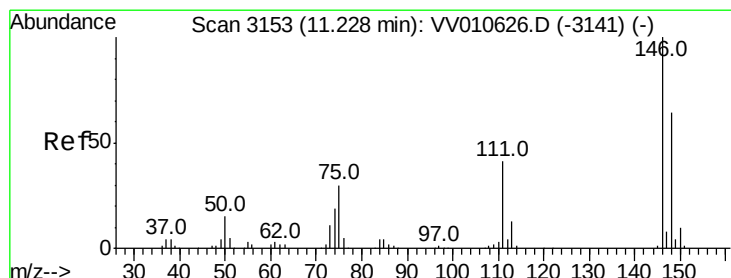
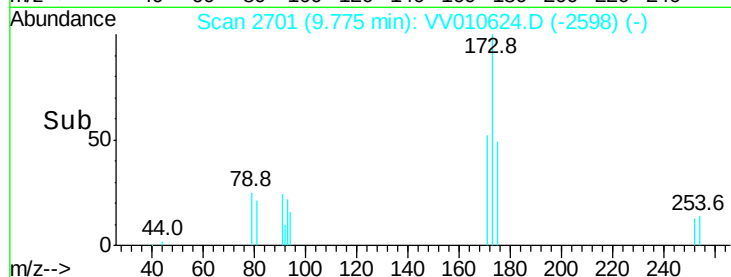
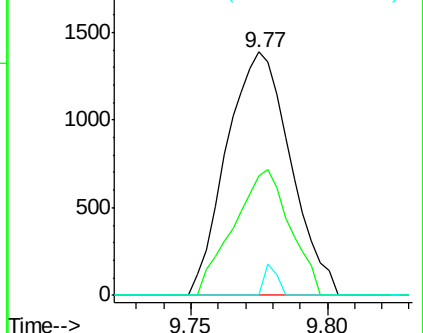
254 2.6 5.9 8.9#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#63

1,3-Dichlorobenzene

Concen: 2.355 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

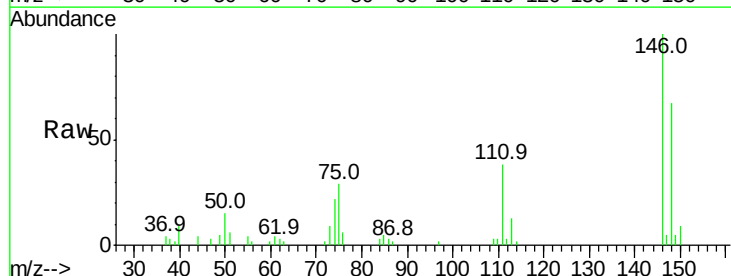
Tgt Ion:146 Resp: 10086

Ion Ratio Lower Upper

146 100

111 38.3 28.3 52.7

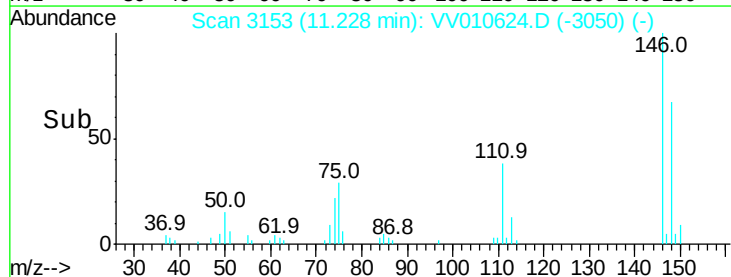
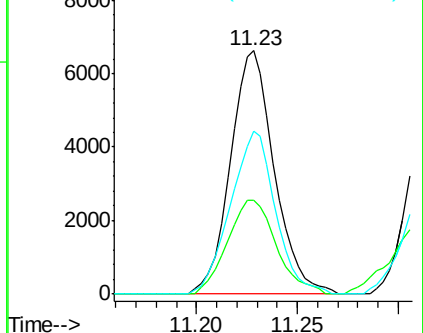
148 66.7 44.4 82.5

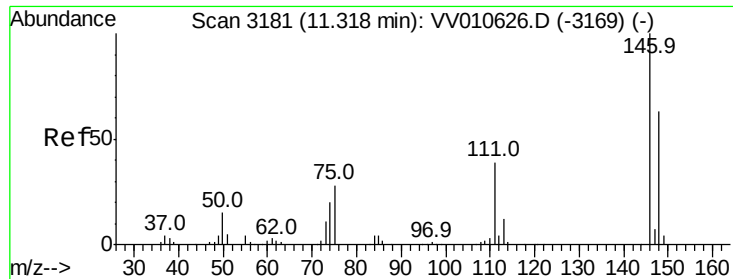


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 2.547 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

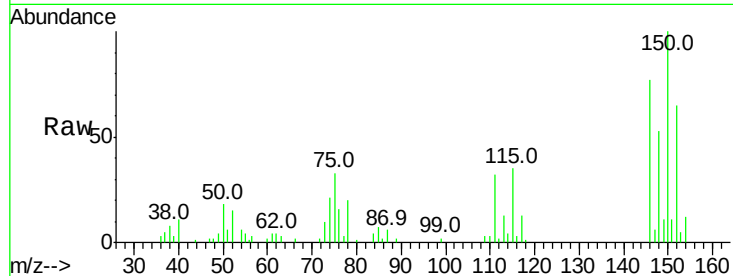
Tgt Ion:146 Resp: 11169

Ion Ratio Lower Upper

146 100

111 41.4 27.6 51.4

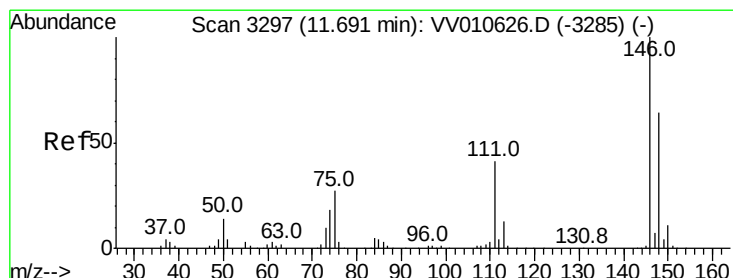
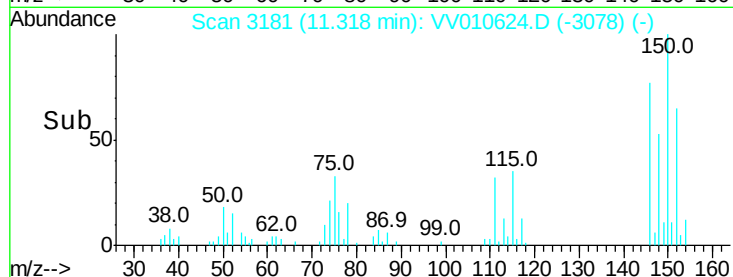
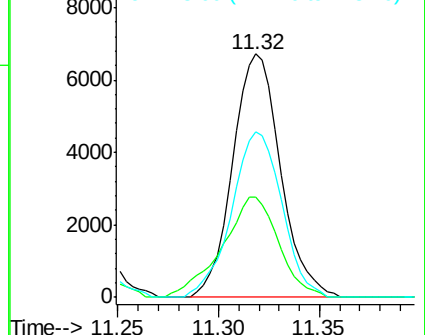
148 68.0 44.0 81.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 2.451 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

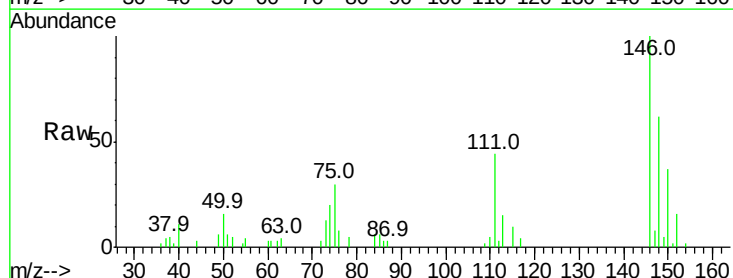
Tgt Ion:146 Resp: 10203

Ion Ratio Lower Upper

146 100

111 43.9 32.7 49.1

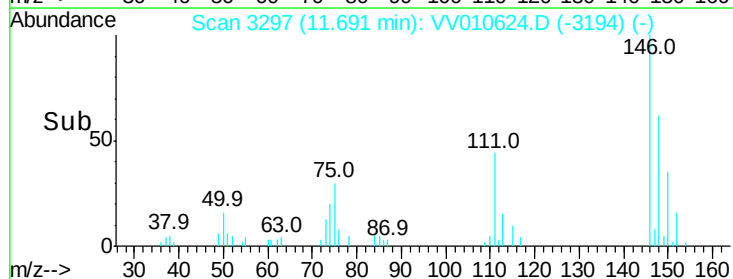
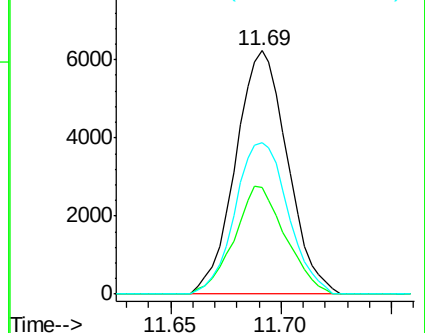
148 62.0 51.0 76.6

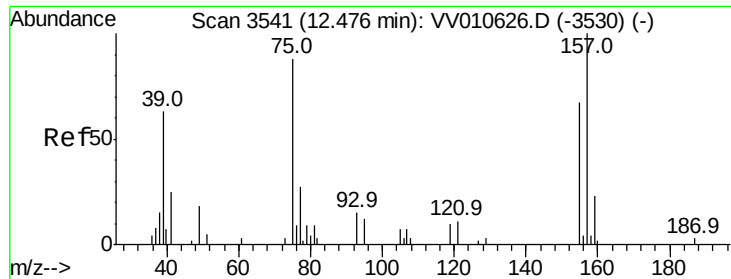


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

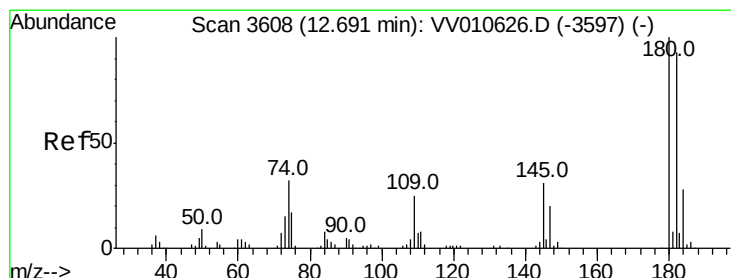
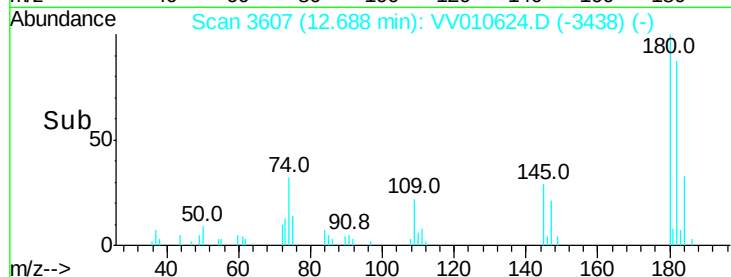
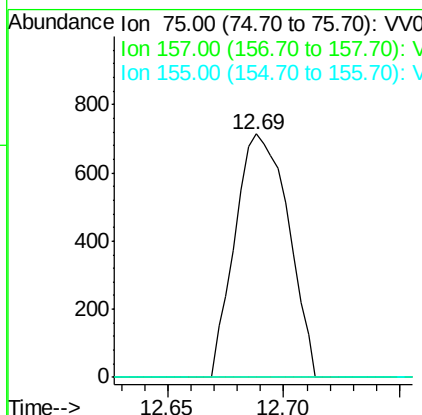
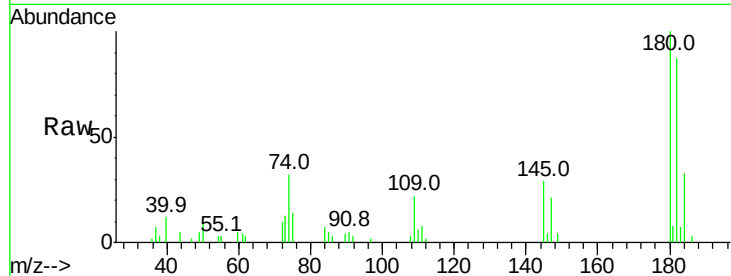




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.103 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.21 min
 Lab File: VV010624.D
 Acq: 02 May 2019 11:28

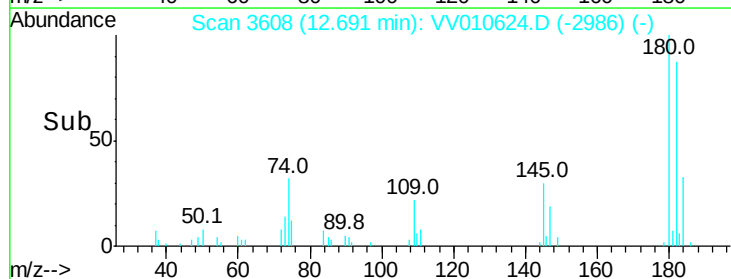
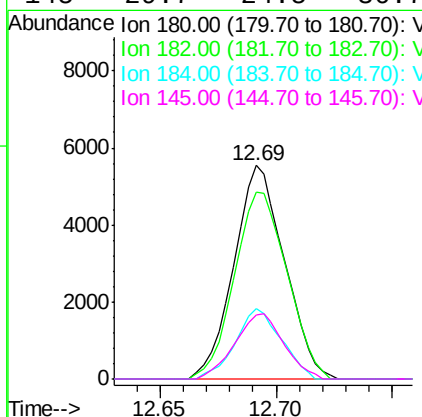
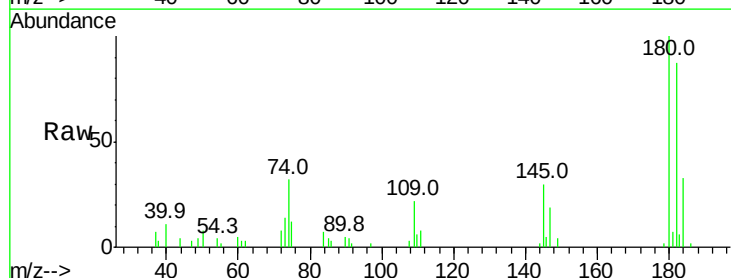
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.560

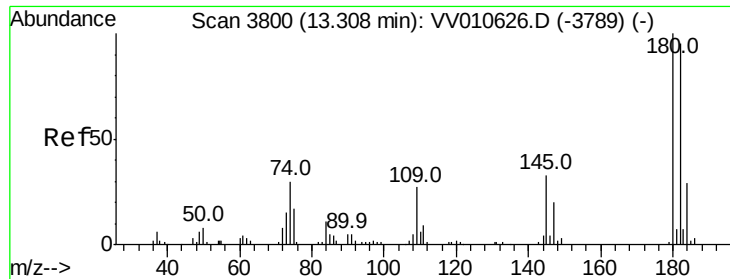
Tgt Ion: 75 Resp: 1132
 Ion Ratio Lower Upper
 75 100
 157 0.0 91.1 136.7#
 155 0.0 61.0 91.6#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.447 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010624.D
 Acq: 02 May 2019 11:28

Tgt Ion: 180 Resp: 8376
 Ion Ratio Lower Upper
 180 100
 182 90.9 75.2 112.8
 184 29.9 23.8 35.6
 145 29.7 24.5 36.7

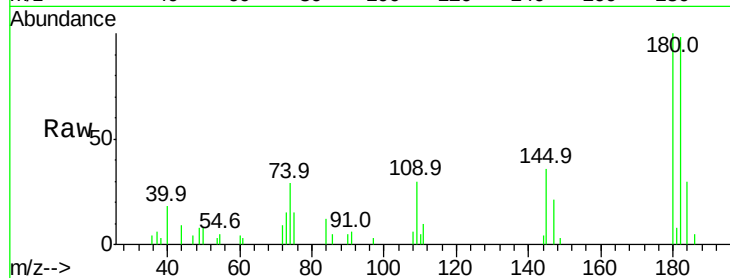




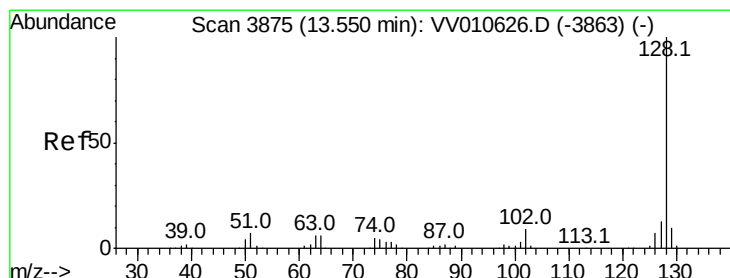
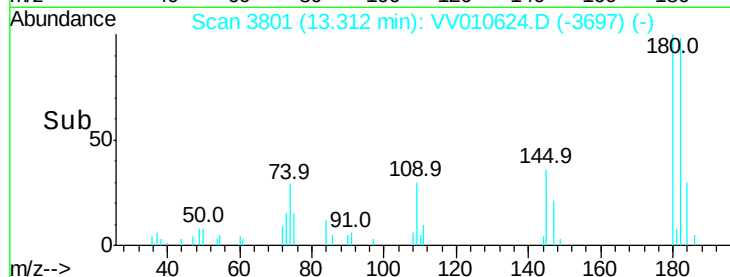
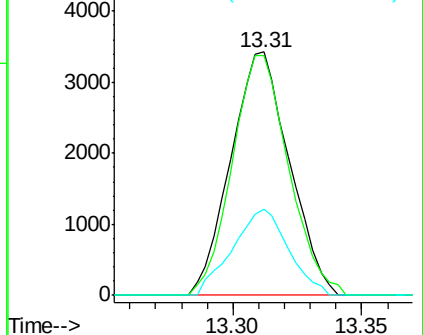
#68
 1,2,4-trichlorobenzene
 Concen: 2.099 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV010624.D
 Acq: 02 May 2019 11:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.560

Tgt Ion:180 Resp: 5421
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 145 33.8 26.0 39.0

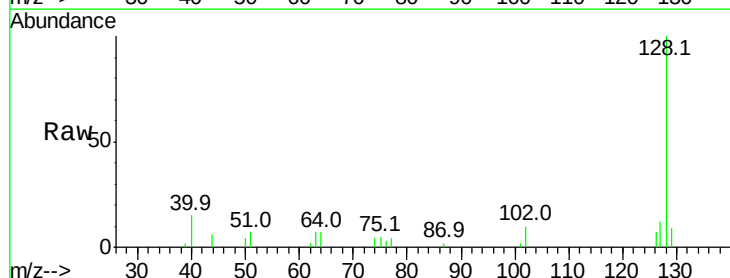


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

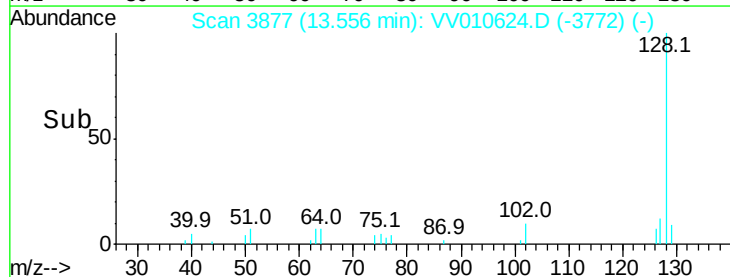
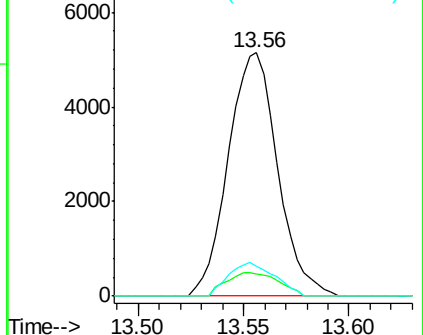


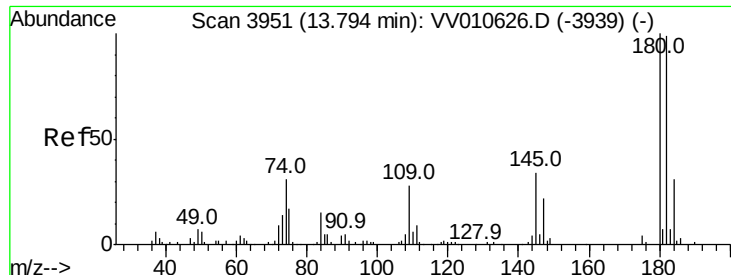
#69
 Naphthalene
 Concen: 2.019 ug/L
 RT: 13.56 min Scan# 3877
 Delta R.T. 0.01 min
 Lab File: VV010624.D
 Acq: 02 May 2019 11:28

Tgt Ion:128 Resp: 8379
 Ion Ratio Lower Upper
 128 100
 129 10.2 8.6 13.0
 127 12.8 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#70

1,2,3-Trichlorobenzene

Concen: 2.087 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010624.D

Acq: 02 May 2019 11:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.560

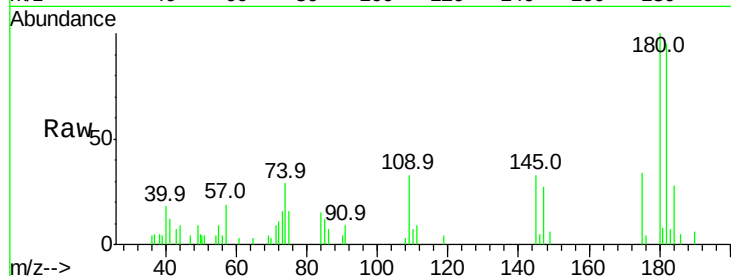
Tgt Ion:180 Resp: 4988

Ion Ratio Lower Upper

180 100

182 106.1 79.0 118.6

145 34.3 28.2 42.4



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

