

Data File : VV009631.D

Acq On : 13 Mar 2019 09:55

Operator : SY/MD

Sample : VSTD2.578

Misc : 5.00G/10ML/MSVOA_V/SOIL

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

Quant Time: Mar 13 14:59:24 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 13 14:55:46 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	157769	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	147916	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66065	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5023	2.42	ug/L	0.00
7) Chloroethane-d5	1.57	69	4949	1.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	14457	2.62	ug/L	0.00
20) 2-Butanone-d5	3.95	46	786	1.46	ug/L	0.02
24) Chloroform-d	4.40	84	9642	2.35	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	5309	2.28	ug/L	0.00
29) Benzene-d6	5.09	84	19101	2.40	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	5090	2.14	ug/L	0.00
37) Toluene-d8	7.36	98	17323	2.23	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.67	79	2211	2.06	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	1707	3.91	ug/L	0.01
48) 1,1,2,2-Tetrachloroethane-	10.26	84	4319	1.94	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	6613	2.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	6880	2.852 ug/L	98
3) Chloromethane	1.25	50	6137	2.804 ug/L	93
5) Vinyl chloride	1.32	62	6139	2.617 ug/L	92
6) Bromomethane	1.52	94	6944	2.482 ug/L	99
8) Chloroethane	1.59	64	4470	1.912 ug/L	100
9) Trichlorofluoromethane	1.76	101	13302	2.696 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	7224	2.706 ug/L	97
12) 1,1-Dichloroethene	2.14	96	6223	2.631 ug/L	89
13) Acetone	2.19	43	2705	4.279 ug/L	97
14) Carbon disulfide	2.31	76	16431	2.786 ug/L #	92
15) Methyl Acetate	2.46	43	2313	2.445 ug/L #	82
16) Methylene chloride	2.53	84	7216	3.210 ug/L	90
17) Methyl tert-butyl Ether	2.81	73	11336	2.292 ug/L #	85
18) trans-1,2-Dichloroethene	2.79	96	5415	2.648 ug/L	98
19) 1,1-Dichloroethane	3.23	63	9237	2.584 ug/L	99
21) 2-Butanone	4.04	43	2162	2.762 ug/L	84
22) cis-1,2-Dichloroethene	3.96	96	5765	2.487 ug/L	95
23) Bromochloromethane	4.29	128	2688	2.495 ug/L	77
25) Chloroform	4.43	83	9932	2.423 ug/L	97
27) 1,2-Dichloroethane	5.18	62	6938	2.433 ug/L #	92
30) Cyclohexane	4.72	56	4322	1.299 ug/L #	24
31) 1,1,1-Trichloroethane	4.65	97	9018	2.597 ug/L #	85
32) Carbon tetrachloride	4.87	117	6901	2.316 ug/L	94
34) Benzene	5.14	78	22250	2.685 ug/L	100
35) Trichloroethene	5.96	95	6219	2.684 ug/L	98
36) Methylcyclohexane	6.17	83	10442	2.683 ug/L	98
40) 1,2-Dichloropropane	6.22	63	5228	2.544 ug/L #	90
41) Bromodichloromethane	6.56	83	6606	2.355 ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	7175	2.322 ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	6481	4.516 ug/L #	96

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Instrument :
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ClientSampleId :
VSTD2.578

Quant Time: Mar 13 14:59:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM031319S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 13 14:55:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	23434	2.499	ug/L	96
45) trans-1,3-Dichloropropene	7.70	75	5766	2.134	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	4299	2.511	ug/L	83
47) Tetrachloroethene	8.02	164	4920	2.625	ug/L	95
49) 2-Hexanone	8.19	43	3843	3.572	ug/L #	95
50) Dibromochloromethane	8.29	129	3879	1.999	ug/L	94
51) 1,2-Dibromoethane	8.40	107	3664	2.136	ug/L #	98
52) Chlorobenzene	8.93	112	15762	2.593	ug/L	99
53) Ethylbenzene	9.06	91	25334	2.434	ug/L	99
54) m,p-Xylene	9.18	106	8839	2.241	ug/L	91
55) o-xylene	9.59	106	8966	2.318	ug/L	99
56) Styrene	9.60	104	13873	2.252	ug/L	98
57) Isopropylbenzene	9.98	105	23742	2.321	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	4936	2.171	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	3547	2.147	ug/L	98
62) Bromoform	9.77	173	2039	2.011	ug/L #	97
63) 1,3-Dichlorobenzene	11.23	146	10949	2.532	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	11750	2.702	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	9948	2.469	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.69	75	1571	5.235	ug/L #	6
67) 1,3,5-Trichlorobenzene	13.31	180	4314	1.436	ug/L	95
68) 1,2,4-trichlorobenzene	13.31	180	4314	2.003	ug/L	97
69) Naphthalene	13.55	128	4262	1.176	ug/L #	94
70) 1,2,3-Trichlorobenzene	13.80	180	3749	1.918	ug/L	96

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

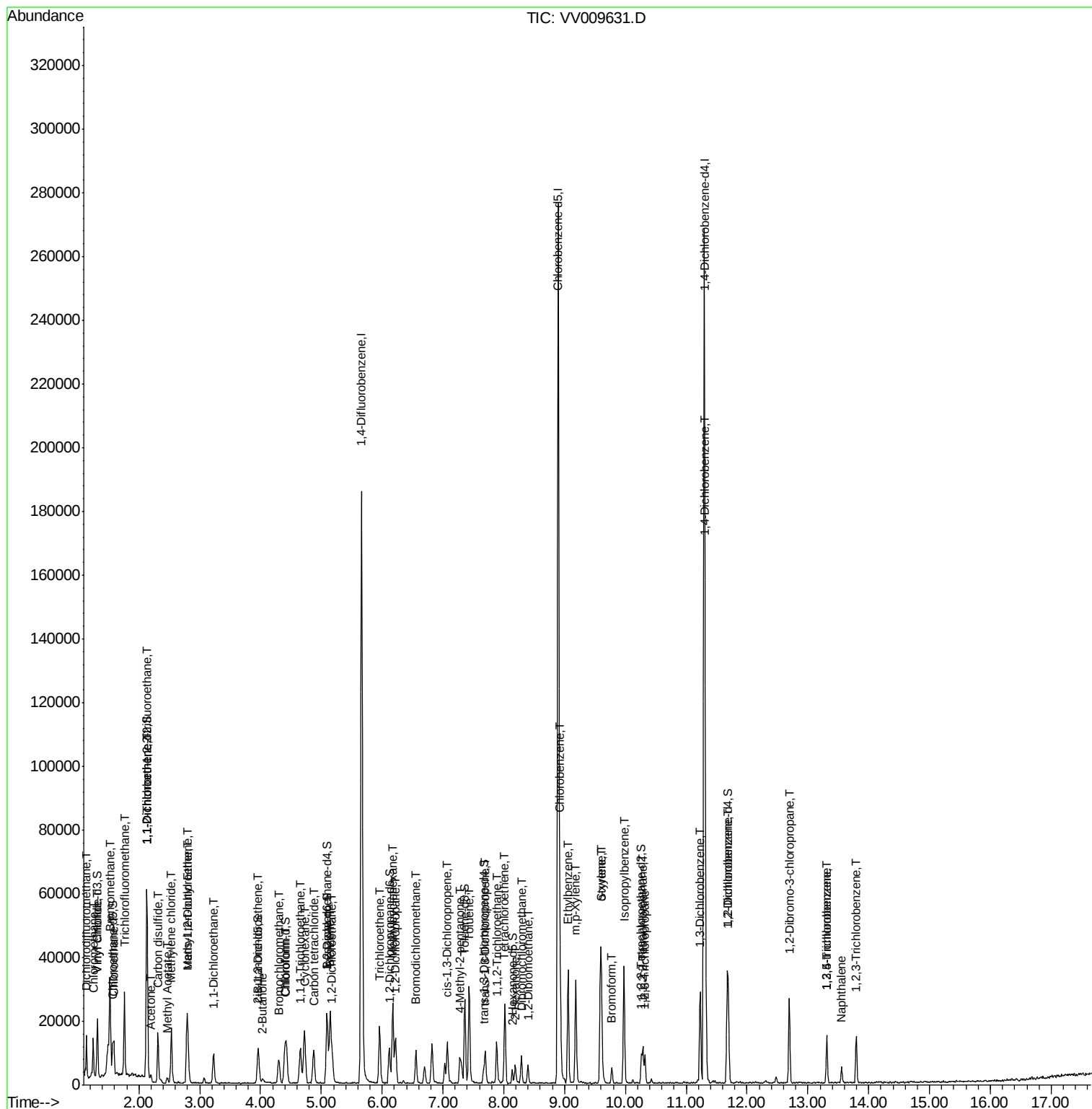
Quant Time: Mar 13 14:59:24 2019

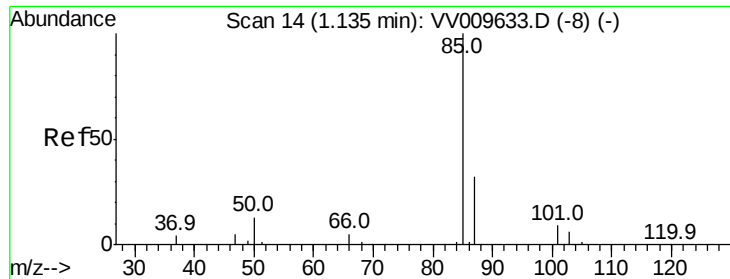
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM031319S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 13 14:55:46 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 2.852 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

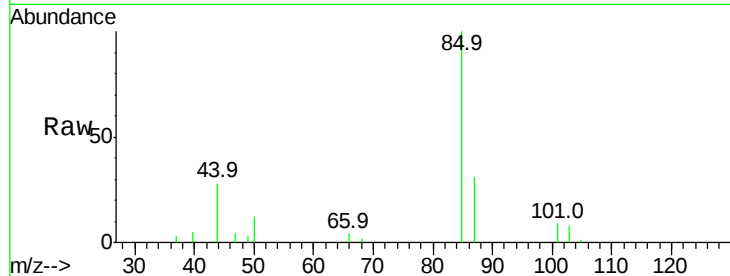
VSTD2.578

Tgt Ion: 85 Resp: 6880

Ion Ratio Lower Upper

85 100

87 30.8 22.4 41.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

8000

6000

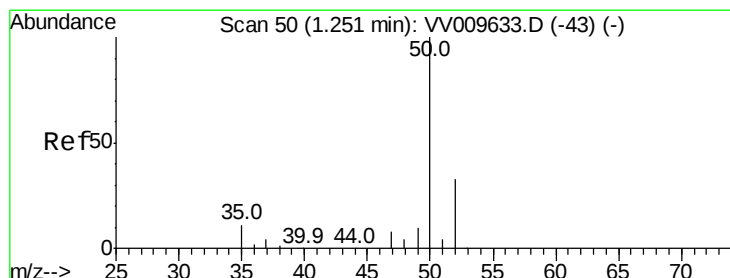
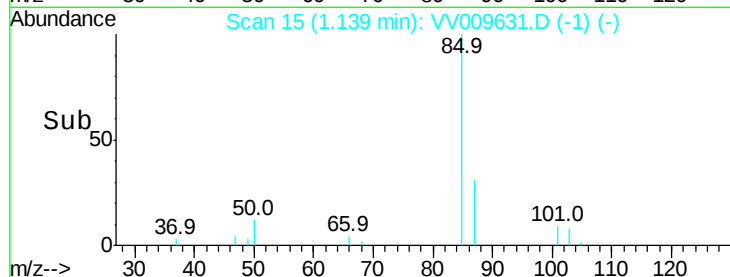
4000

2000

0

Time-->

1.10 1.12 1.14 1.16 1.18



#3

Chloromethane

Concen: 2.804 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009631.D

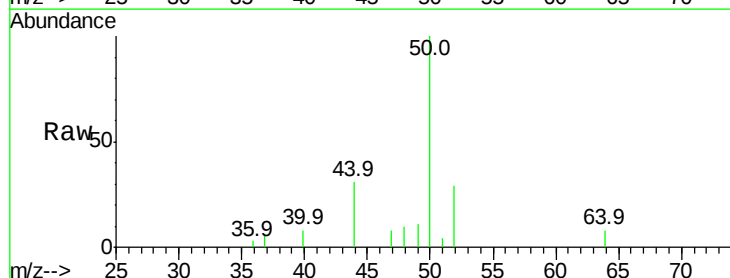
Acq: 13 Mar 2019 09:55

Tgt Ion: 50 Resp: 6137

Ion Ratio Lower Upper

50 100

52 28.6 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

8000

6000

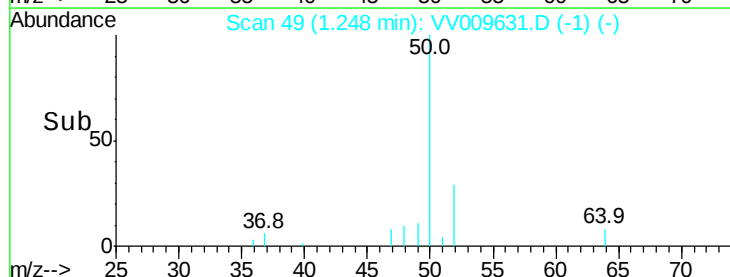
4000

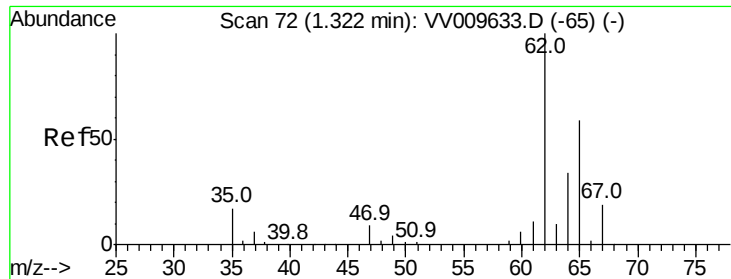
2000

0

Time-->

1.22 1.24 1.26 1.28





#5

Vinyl chloride

Concen: 2.617 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

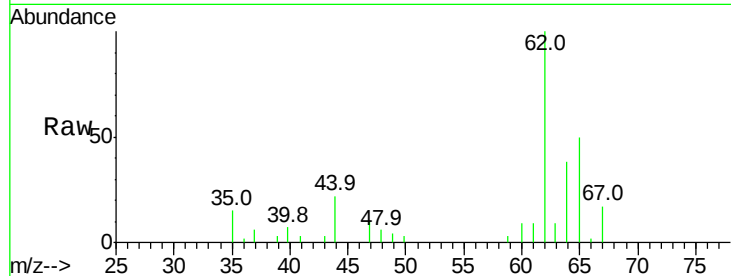
VSTD2.578

Tgt Ion: 62 Resp: 6139

Ion Ratio Lower Upper

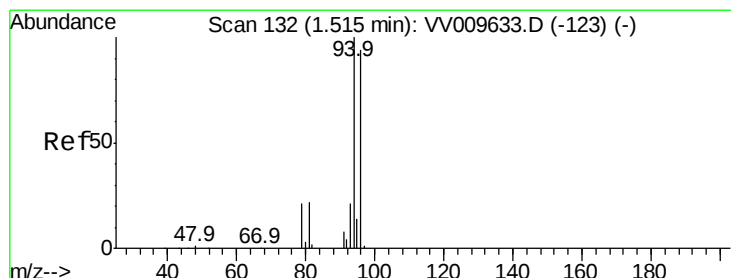
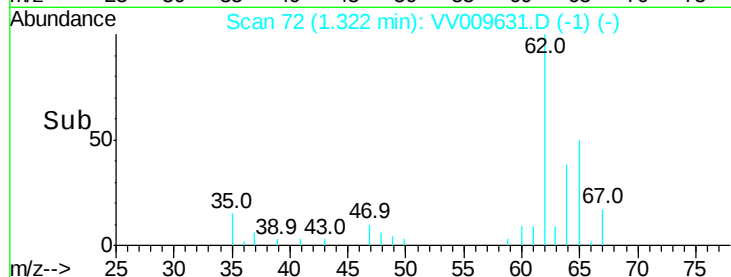
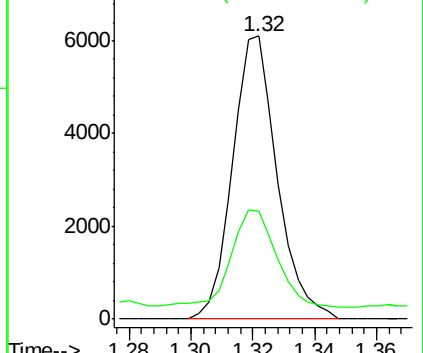
62 100

64 38.1 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.482 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV009631.D

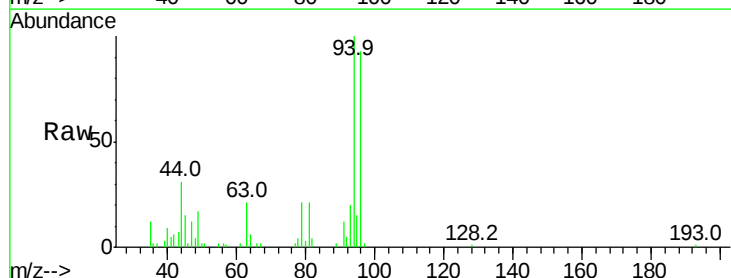
Acq: 13 Mar 2019 09:55

Tgt Ion: 94 Resp: 6944

Ion Ratio Lower Upper

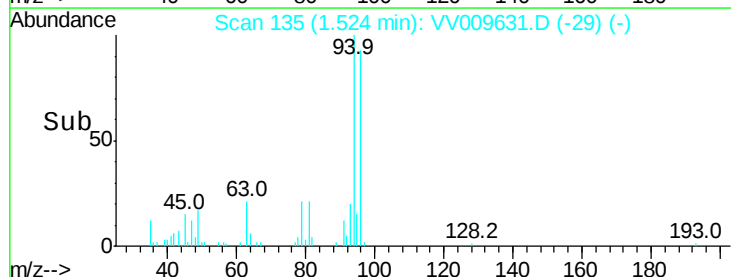
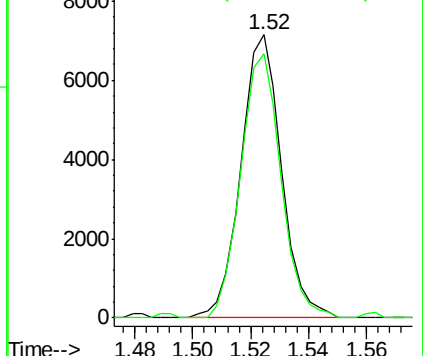
94 100

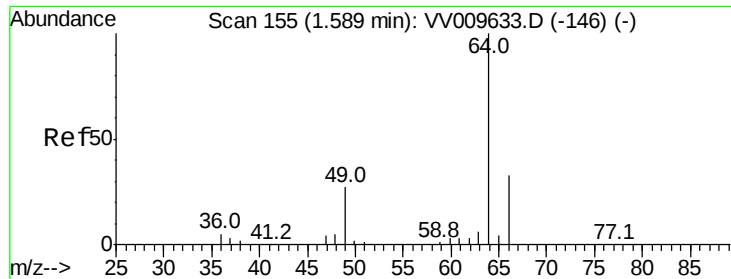
96 92.8 9.4 178.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 1.912 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

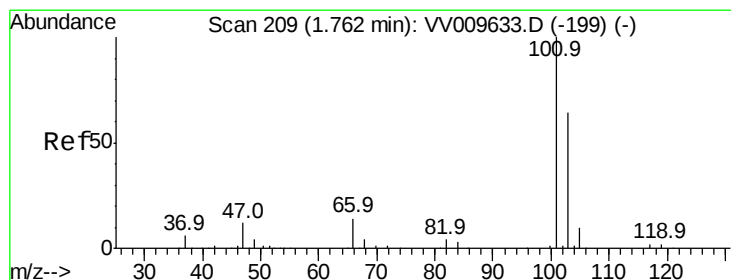
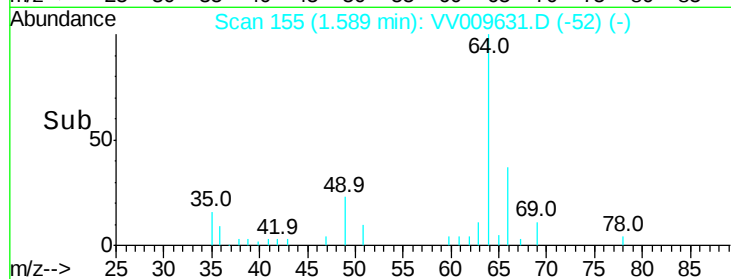
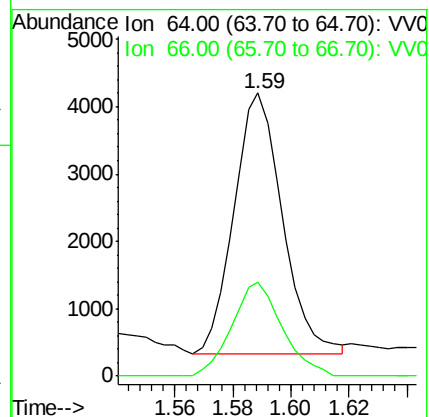
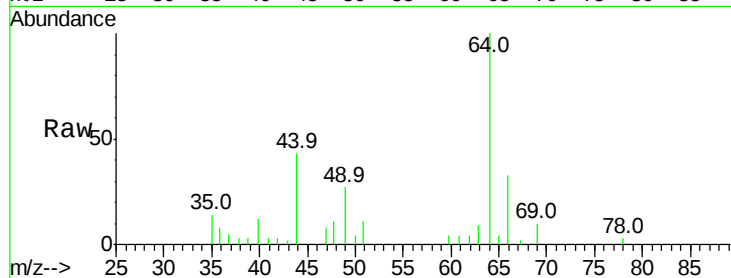
VSTD2.578

Tgt Ion: 64 Resp: 4470

Ion Ratio Lower Upper

64 100

66 33.1 23.0 42.8



#9

Trichlorofluoromethane

Concen: 2.696 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009631.D

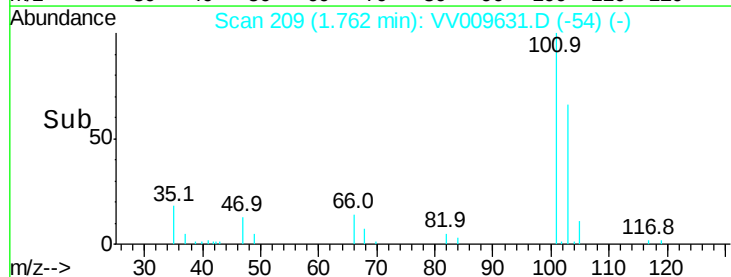
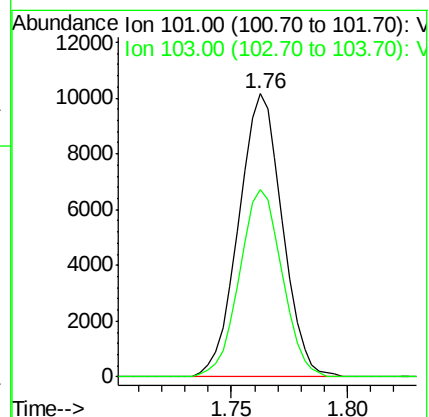
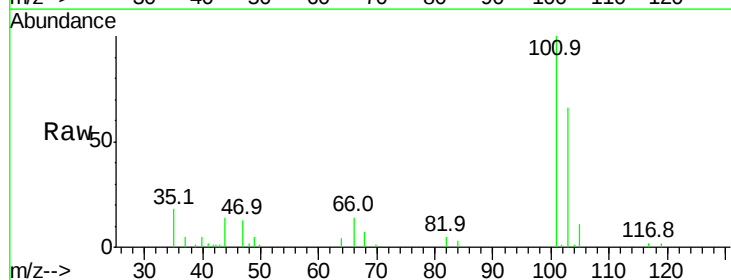
Acq: 13 Mar 2019 09:55

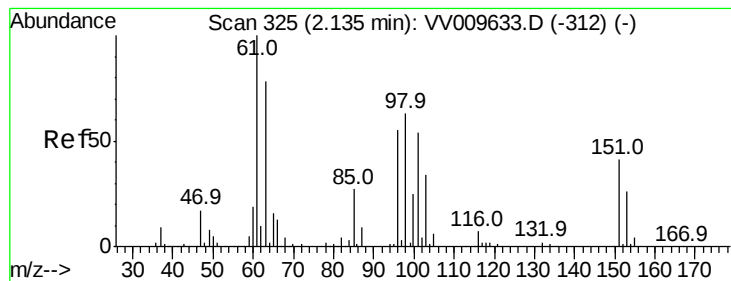
Tgt Ion: 101 Resp: 13302

Ion Ratio Lower Upper

101 100

103 64.5 45.4 84.2





#11

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

Concen: 2.706 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

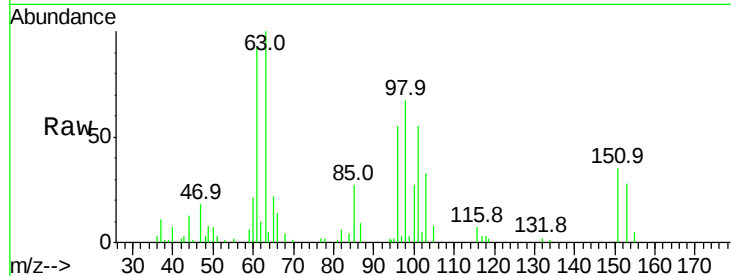
Tgt Ion: 101 Resp: 7224

Ion Ratio Lower Upper

101 100

85 51.4 38.7 58.1

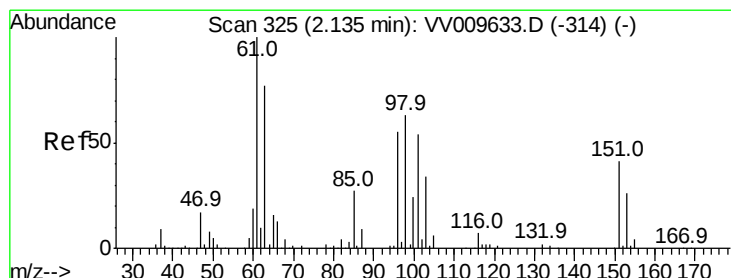
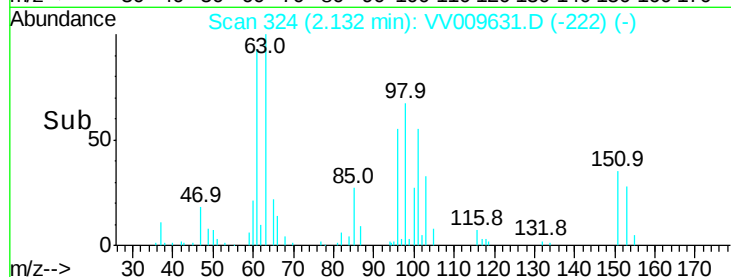
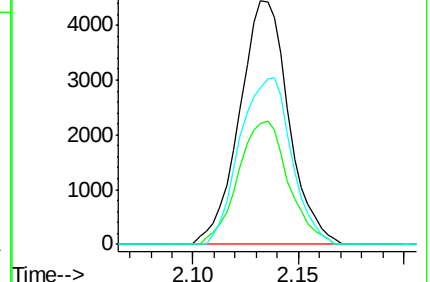
151 71.6 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009631.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009631.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009631.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 2.631 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

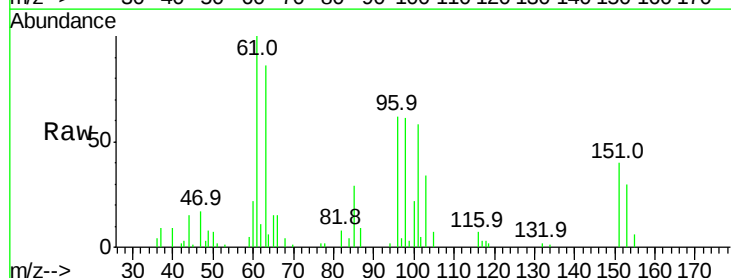
Tgt Ion: 96 Resp: 6223

Ion Ratio Lower Upper

96 100

61 160.9 128.4 238.5

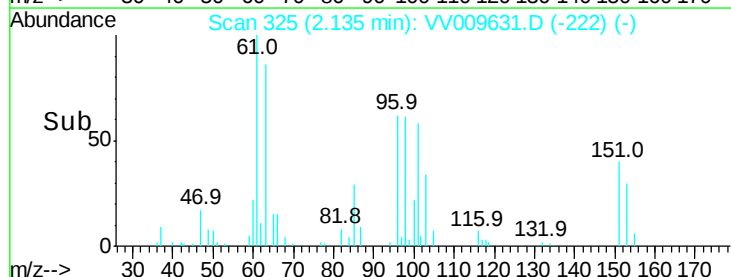
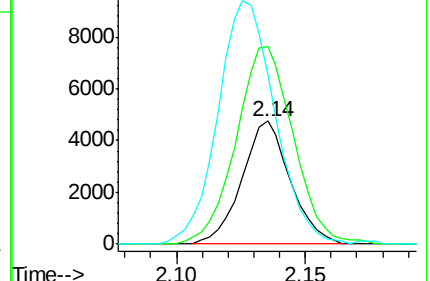
63 137.7 100.7 186.9

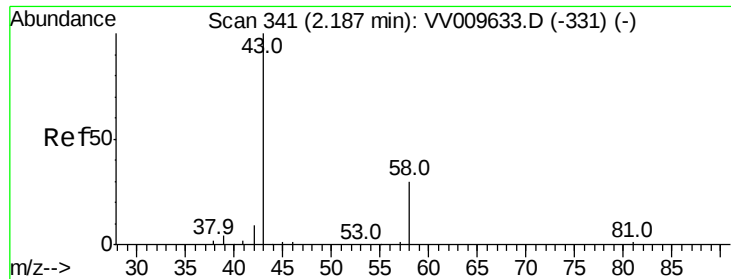


Abundance Ion 96.00 (95.70 to 96.70): VV009631.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009631.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009631.D (-222) (-)





#13

Acetone

Concen: 4.279 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

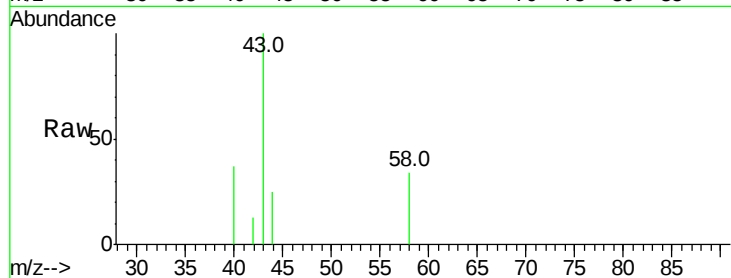
VSTD2.578

Tgt Ion: 43 Resp: 2705

Ion Ratio Lower Upper

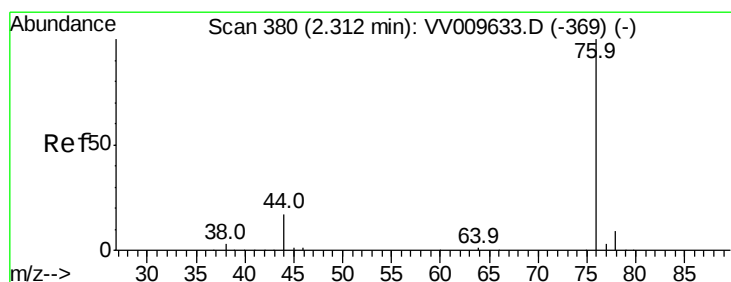
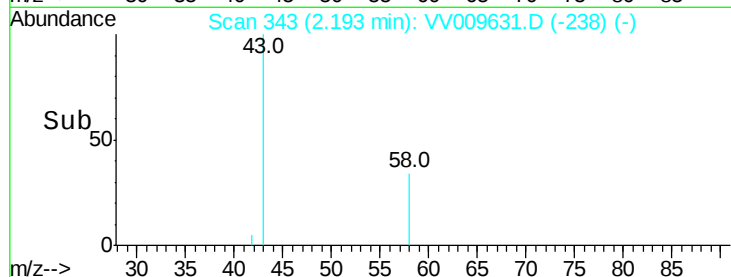
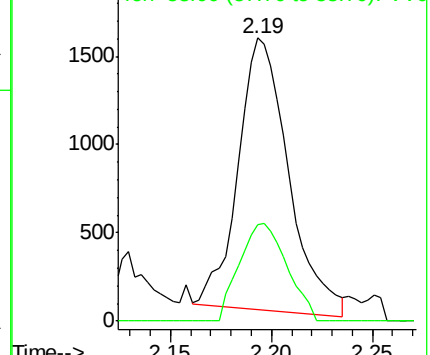
43 100

58 33.9 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 2.786 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009631.D

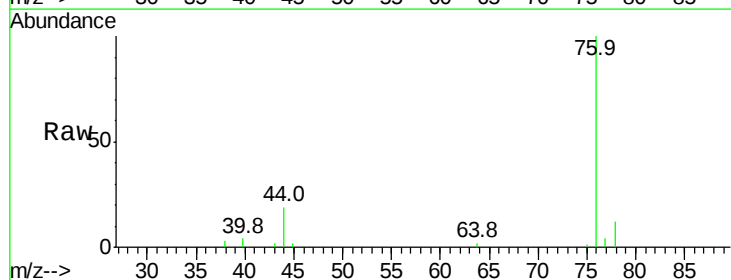
Acq: 13 Mar 2019 09:55

Tgt Ion: 76 Resp: 16431

Ion Ratio Lower Upper

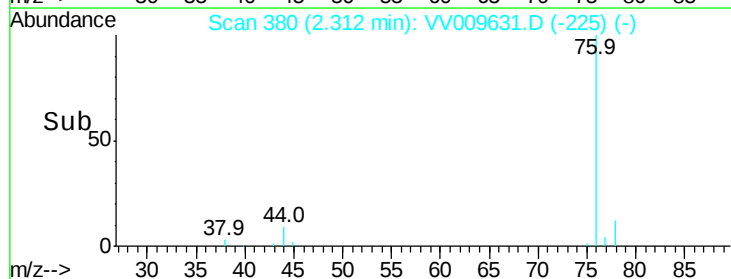
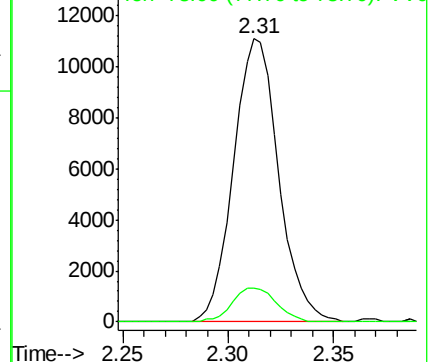
76 100

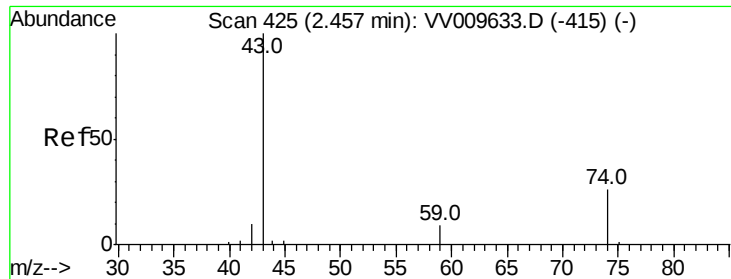
78 11.9 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 2.445 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

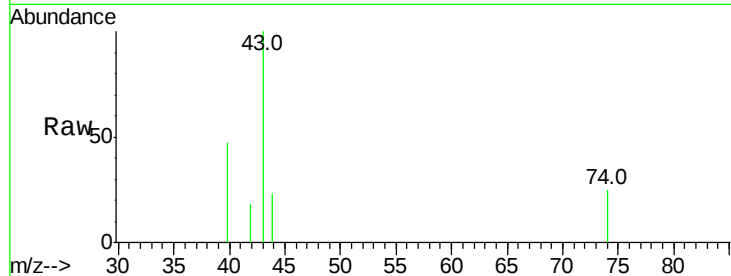
VSTD2.578

Tgt Ion: 43 Resp: 2313

Ion Ratio Lower Upper

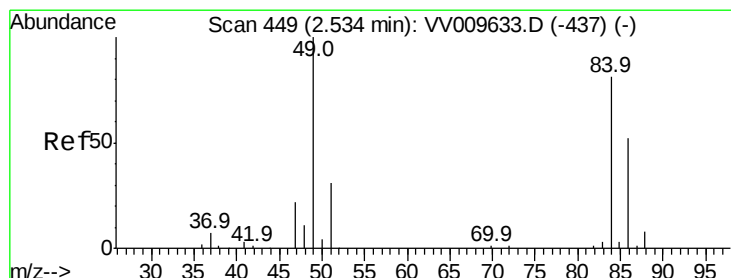
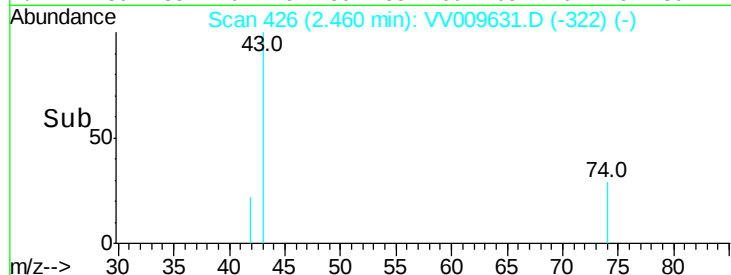
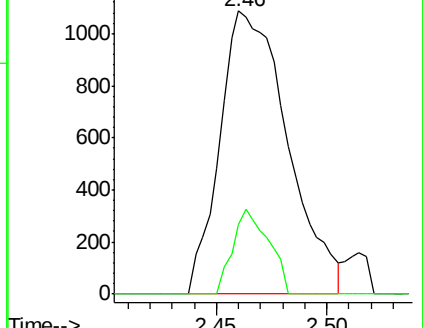
43 100

74 15.9 19.8 29.6#



Abundance Ion 43.00 (42.70 to 43.70): VV009631.D (-322) (-)

Ion 74.00 (73.70 to 74.70): VV009631.D (-322) (-)



#16

Methylene chloride

Concen: 3.210 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

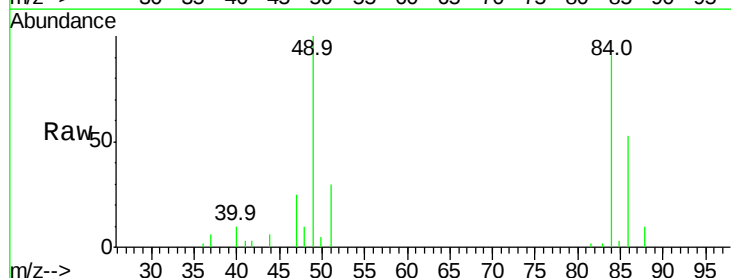
Tgt Ion: 84 Resp: 7216

Ion Ratio Lower Upper

84 100

49 110.3 86.1 159.9

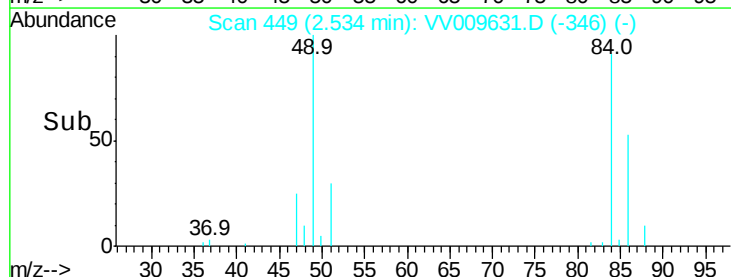
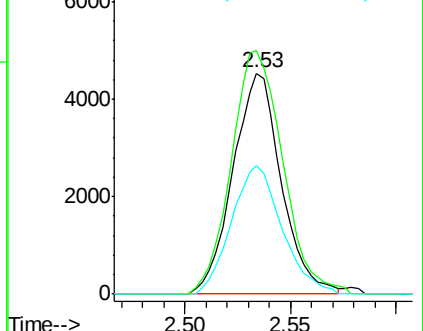
86 58.2 45.2 84.0

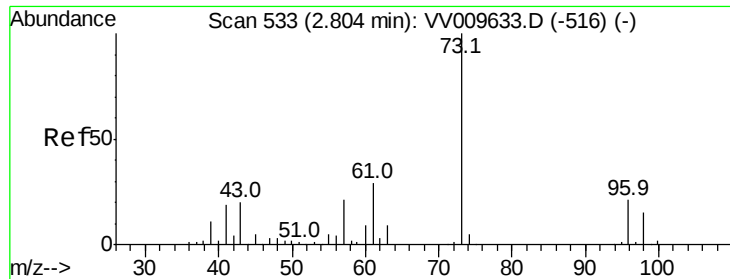


Abundance Ion 84.00 (83.70 to 84.70): VV009631.D (-346) (-)

Ion 49.00 (48.70 to 49.70): VV009631.D (-346) (-)

Ion 86.00 (85.70 to 86.70): VV009631.D (-346) (-)

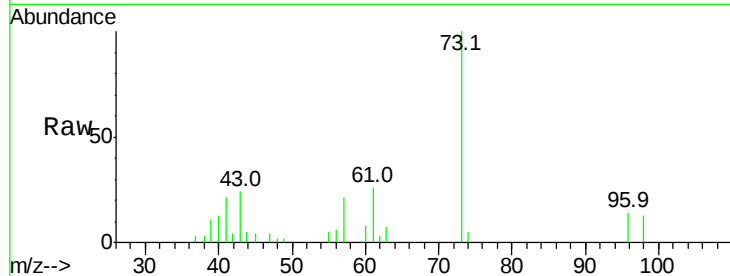




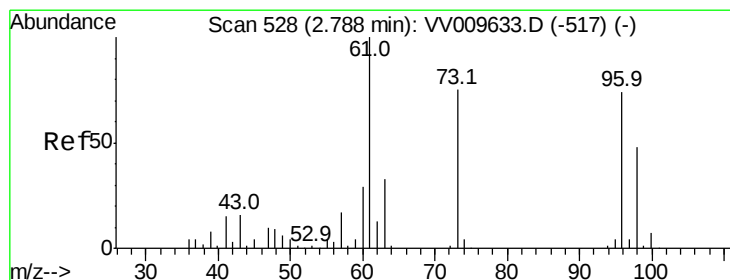
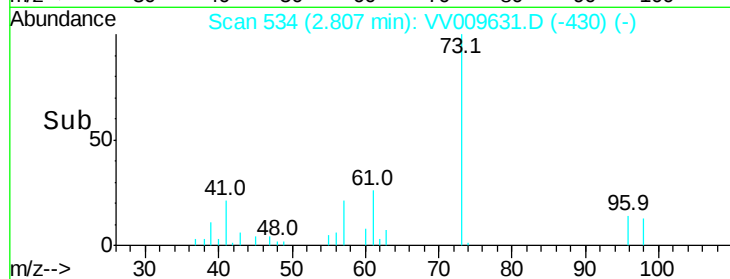
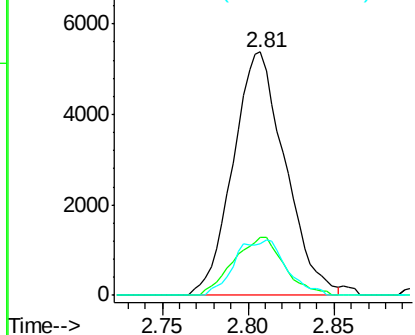
#17
Methyl tert-butyl Ether
Concen: 2.292 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

Tgt Ion: 73 Resp: 11336
Ion Ratio Lower Upper
73 100
43 23.1 16.3 24.5
57 10.1 16.7 25.1#

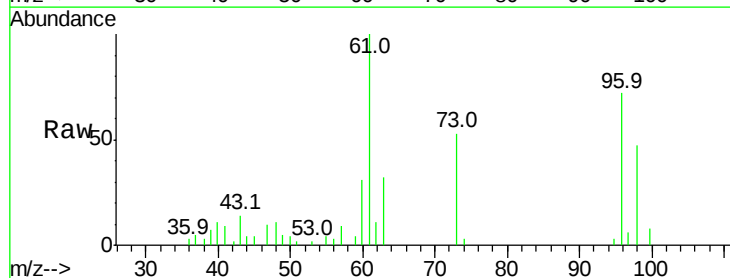


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

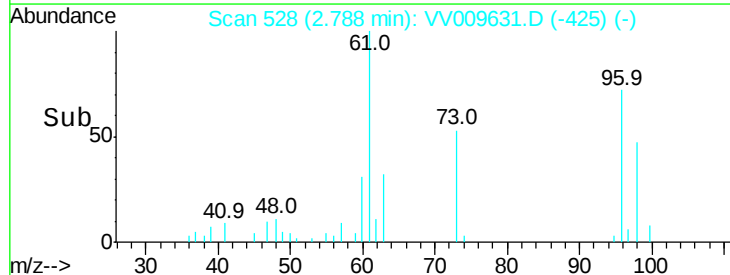
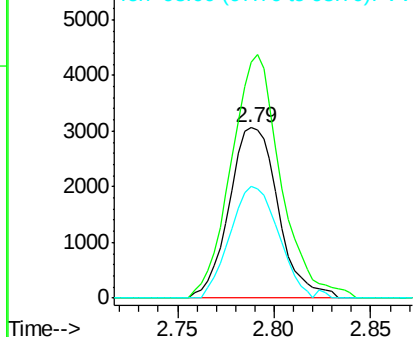


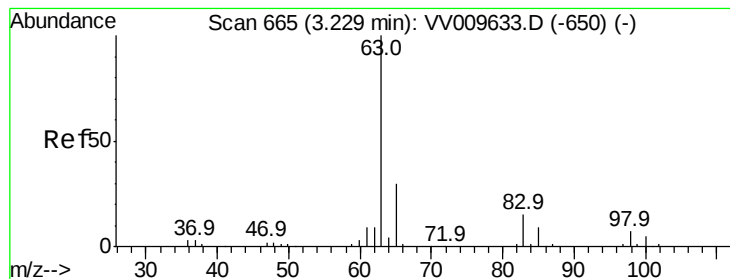
#18
trans-1,2-Dichloroethene
Concen: 2.648 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 96 Resp: 5415
Ion Ratio Lower Upper
96 100
61 138.7 94.4 175.2
98 65.3 45.4 84.4



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





#19

1,1-Dichloroethane

Concen: 2.584 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

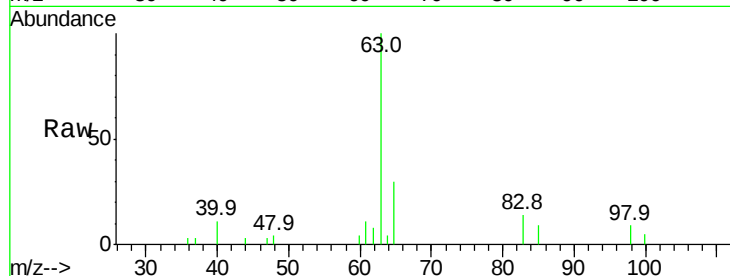
Tgt Ion: 63 Resp: 9237

Ion Ratio Lower Upper

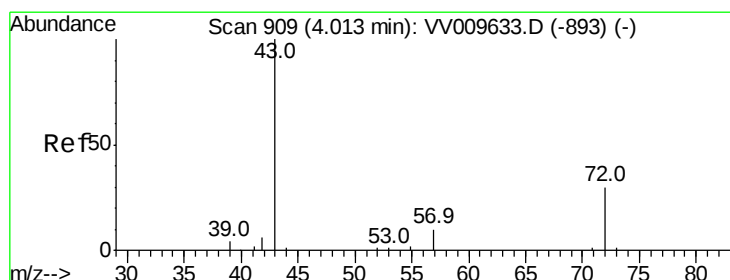
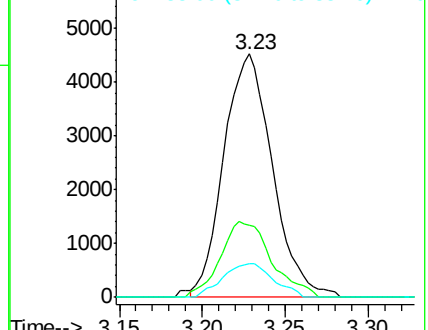
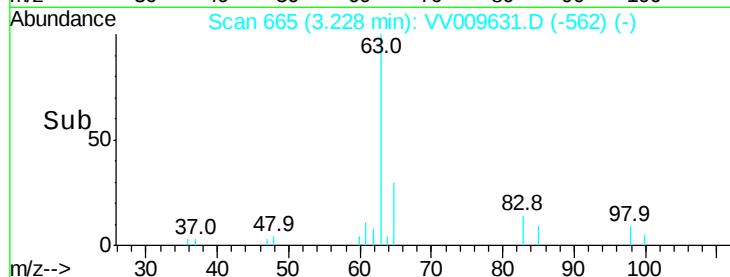
63 100

65 29.8 20.9 38.9

83 13.7 10.4 19.4



Abundance Ion 63.00 (62.70 to 63.70): VV009631.D (-562) (-)



#21

2-Butanone

Concen: 2.762 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.03 min

Lab File: VV009631.D

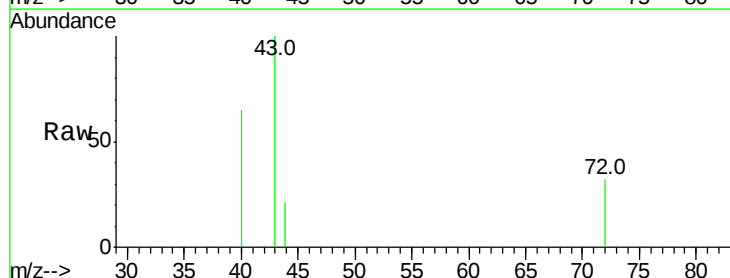
Acq: 13 Mar 2019 09:55

Tgt Ion: 43 Resp: 2162

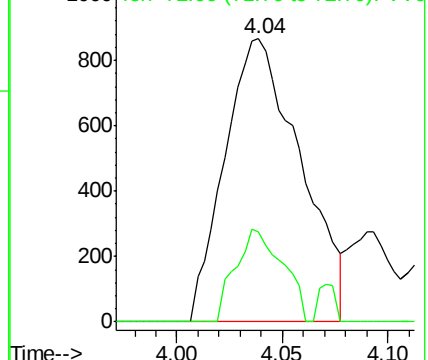
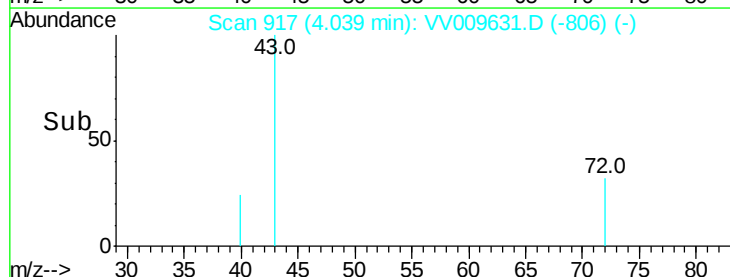
Ion Ratio Lower Upper

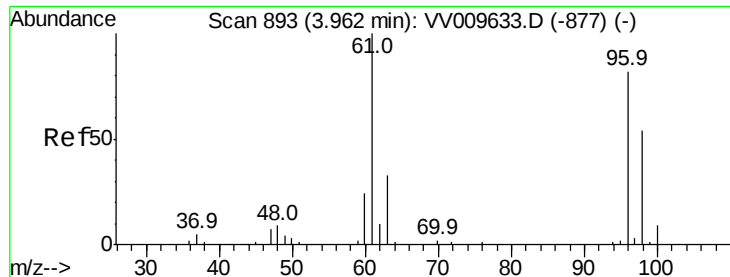
43 100

72 20.4 14.5 43.5



Abundance Ion 43.00 (42.70 to 43.70): VV009631.D (-806) (-)



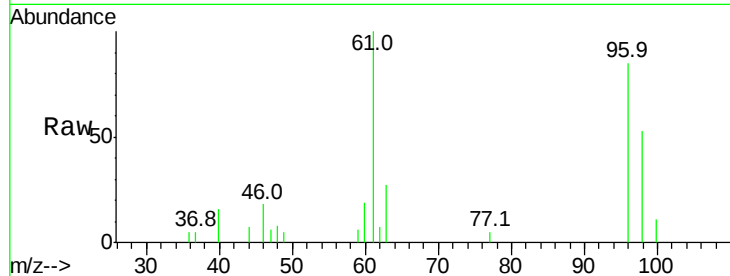


#22

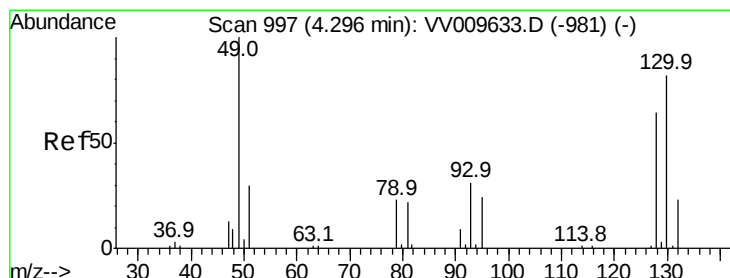
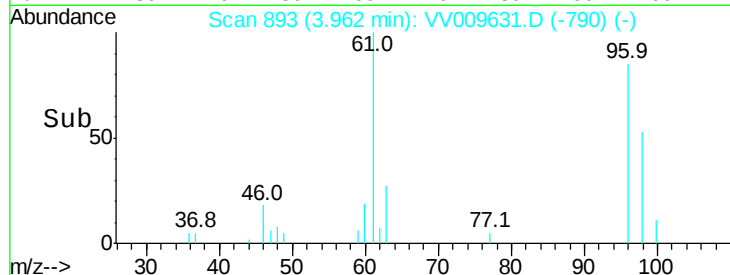
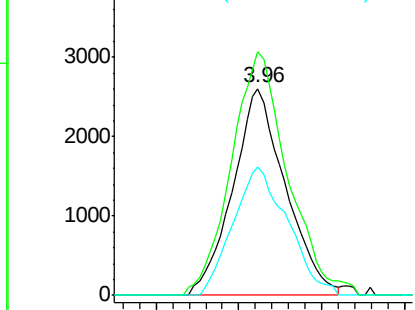
cis-1,2-Dichloroethene
Concen: 2.487 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

Tgt Ion: 96 Resp: 5765
Ion Ratio Lower Upper
96 100
61 117.8 86.2 160.0
98 62.1 46.5 86.3



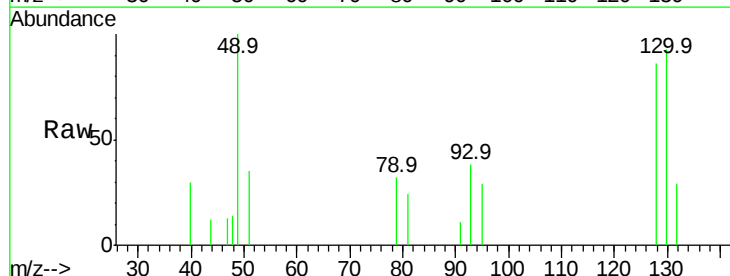
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



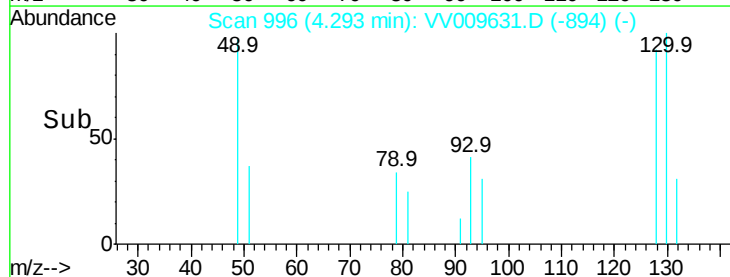
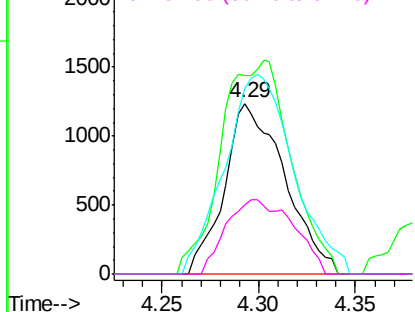
#23

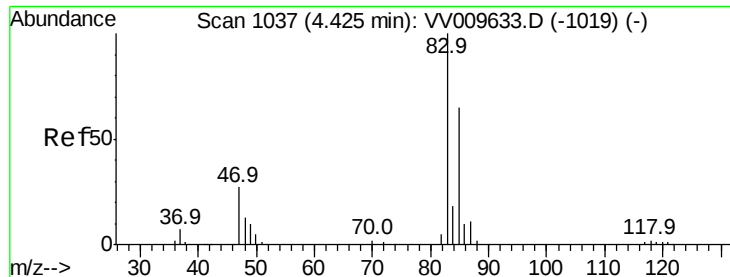
Bromochloromethane
Concen: 2.495 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 128 Resp: 2688
Ion Ratio Lower Upper
128 100
49 116.8 110.0 204.2
130 109.0 90.4 168.0
51 40.6 38.1 57.1



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

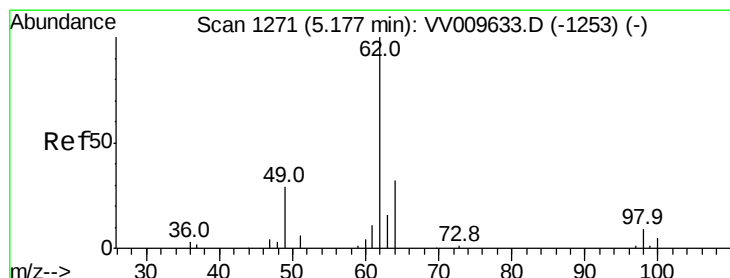
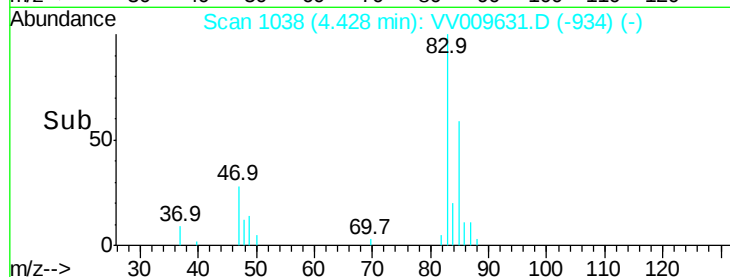
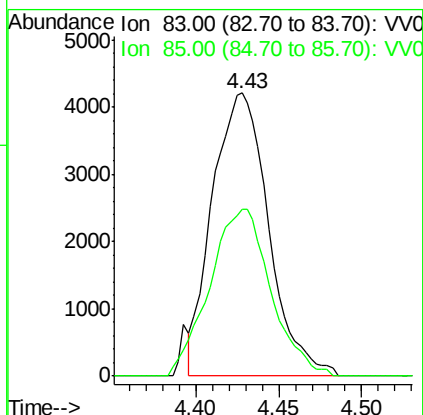
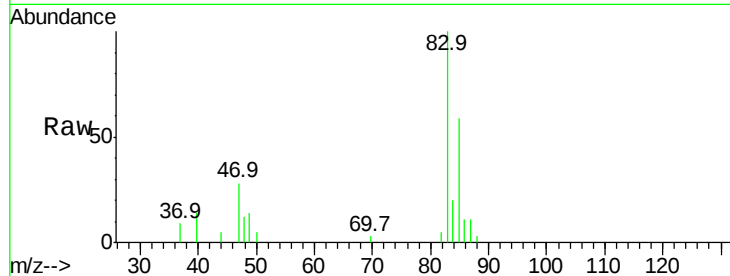




#25
Chloroform
Concen: 2.423 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

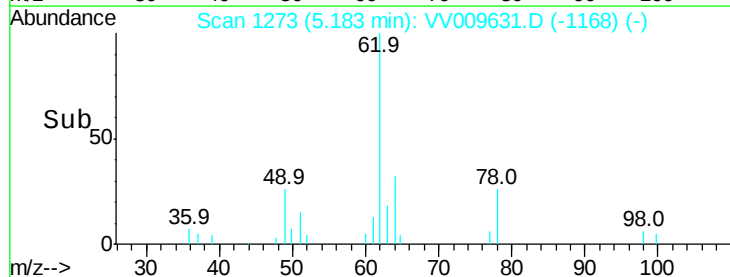
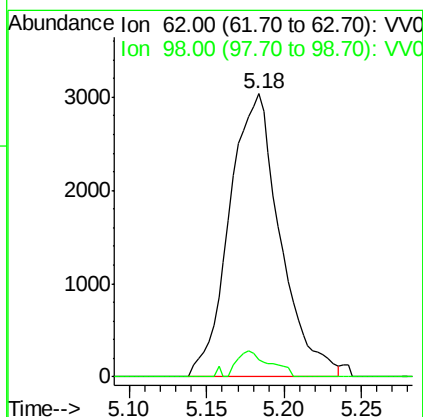
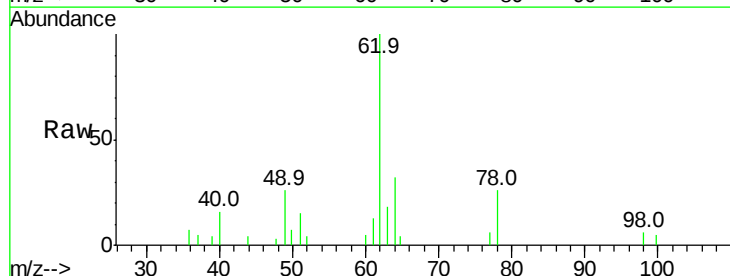
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

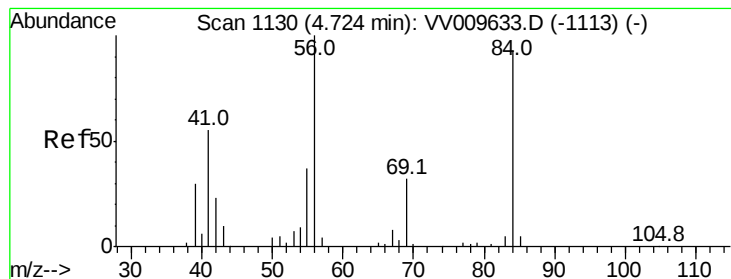
Tgt Ion: 83 Resp: 9932
Ion Ratio Lower Upper
83 100
85 64.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 2.433 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 62 Resp: 6938
Ion Ratio Lower Upper
62 100
98 6.2 7.2 10.8#





#30

Cyclohexane

Concen: 1.299 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

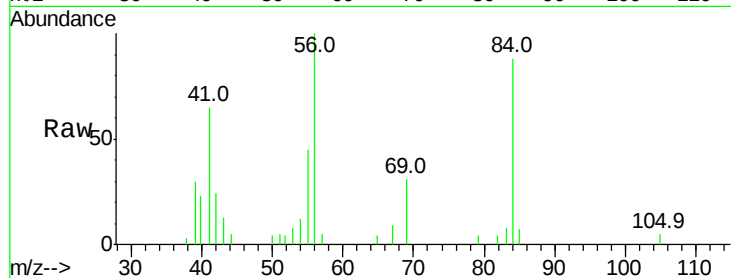
Tgt Ion: 56 Resp: 4322

Ion Ratio Lower Upper

56 100

69 37.8 25.4 38.0

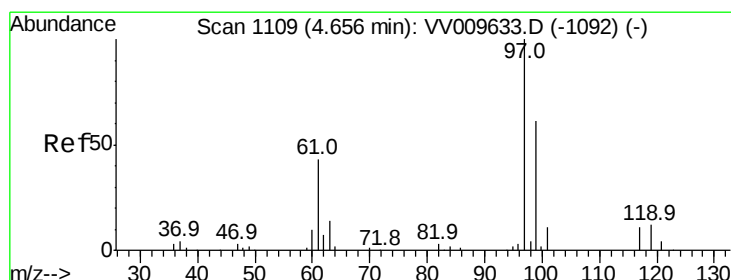
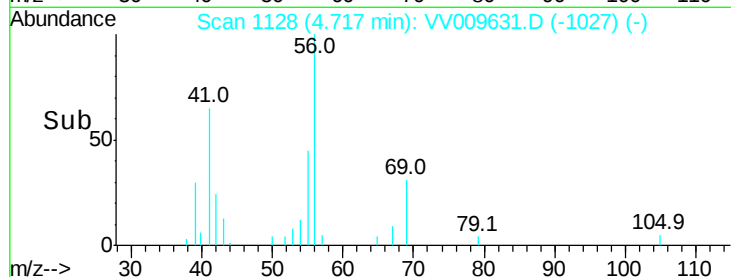
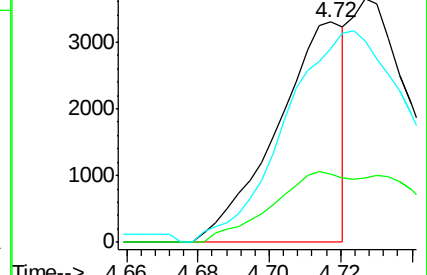
84 184.4 72.6 109.0#



Abundance Ion 56.00 (55.70 to 56.70): VV009631.D (-1128) (-)

Ion 69.00 (68.70 to 69.70): VV009631.D (-1128) (-)

Ion 84.00 (83.70 to 84.70): VV009631.D (-1128) (-)



#31

1,1,1-Trichloroethane

Concen: 2.597 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

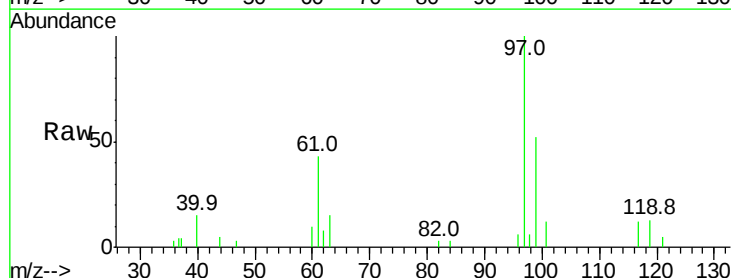
Tgt Ion: 97 Resp: 9018

Ion Ratio Lower Upper

97 100

99 60.1 51.0 76.6

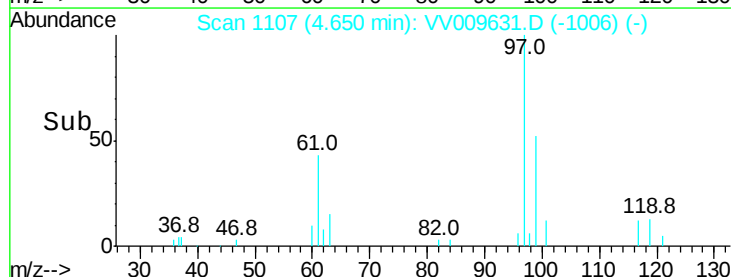
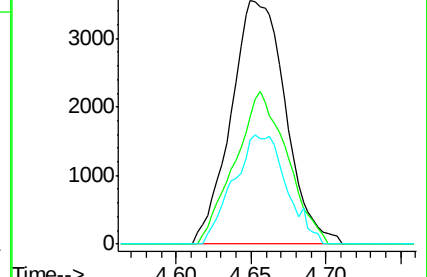
61 23.4 33.7 50.5#

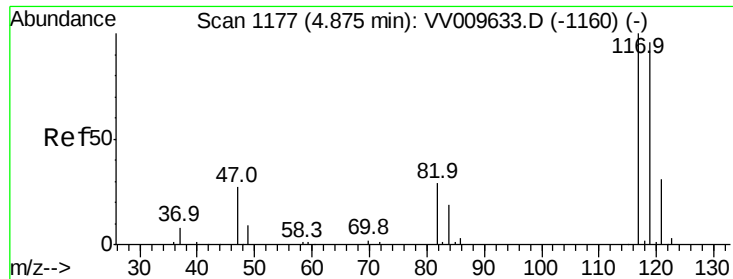


Abundance Ion 97.00 (96.70 to 97.70): VV009631.D (-1107) (-)

Ion 99.00 (98.70 to 99.70): VV009631.D (-1107) (-)

Ion 61.00 (60.70 to 61.70): VV009631.D (-1107) (-)





#32

Carbon tetrachloride

Concen: 2.316 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

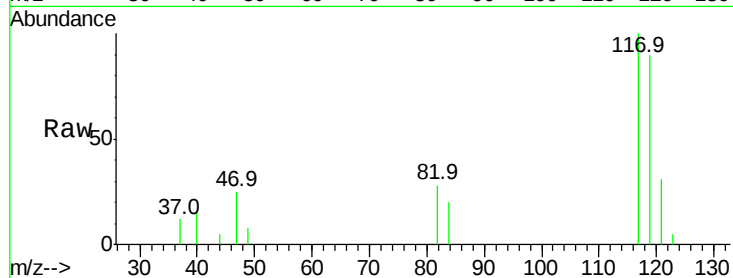
VSTD2.578

Tgt Ion:117 Resp: 6901

Ion Ratio Lower Upper

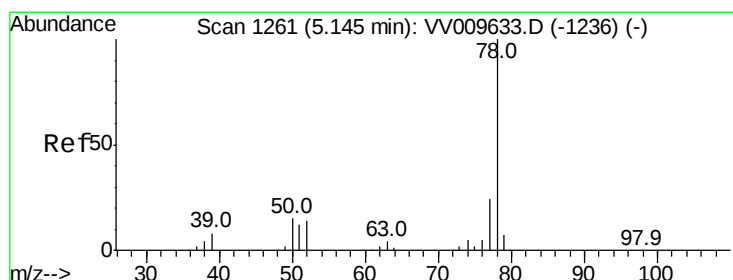
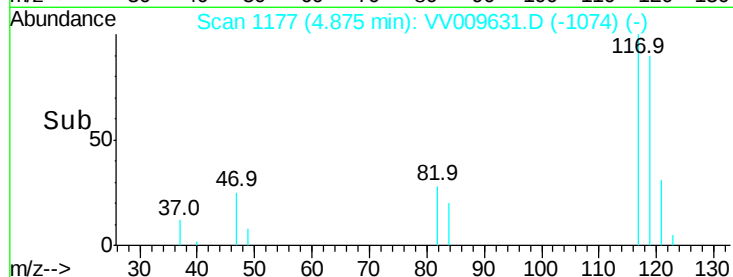
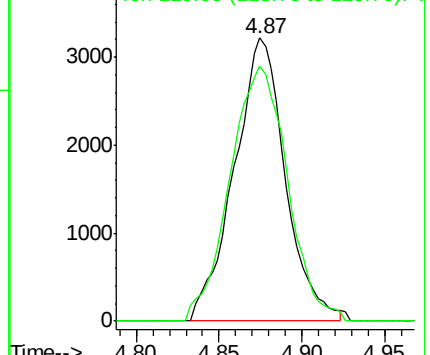
117 100

119 101.4 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.685 ug/L

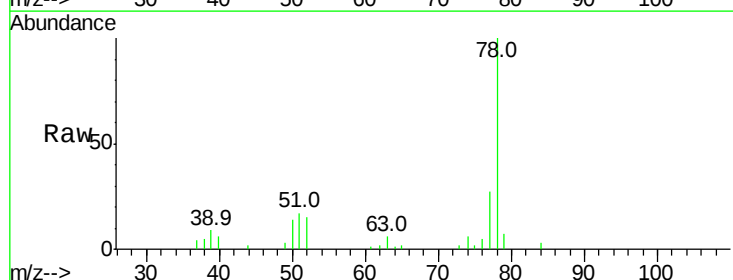
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

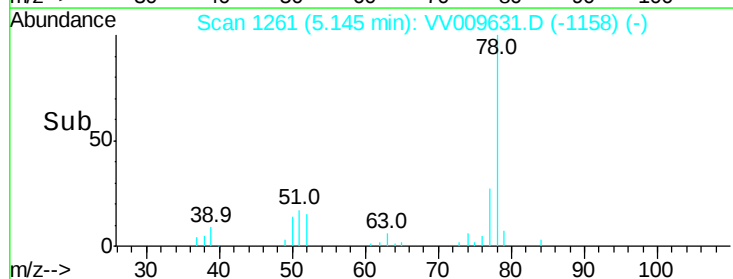
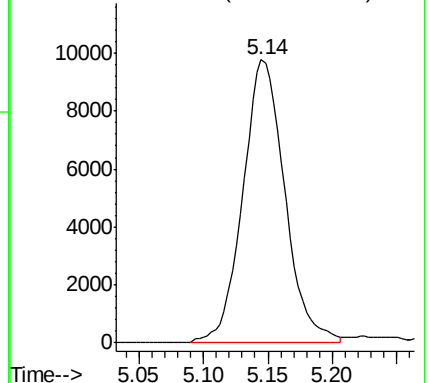
Lab File: VV009631.D

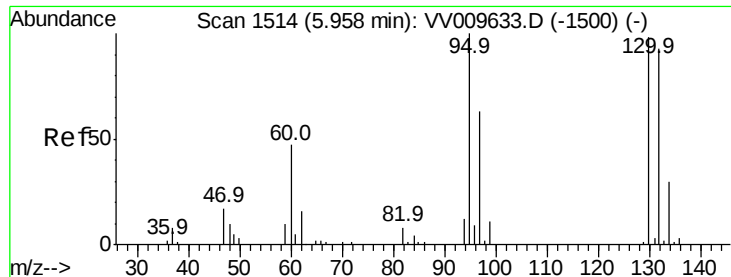
Acq: 13 Mar 2019 09:55

Tgt Ion: 78 Resp: 22250



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 2.684 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

Tgt Ion: 95 Resp: 6219

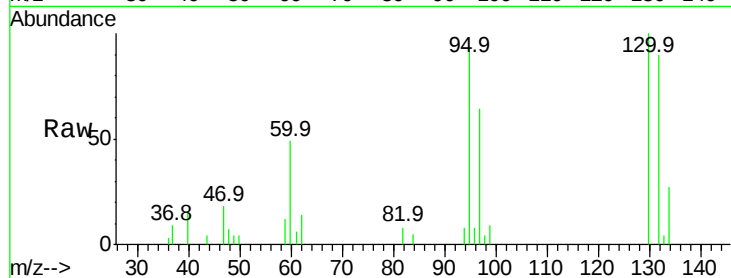
Ion Ratio Lower Upper

95 100

97 66.5 44.9 83.5

132 94.4 66.4 123.2

130 96.5 70.2 130.4

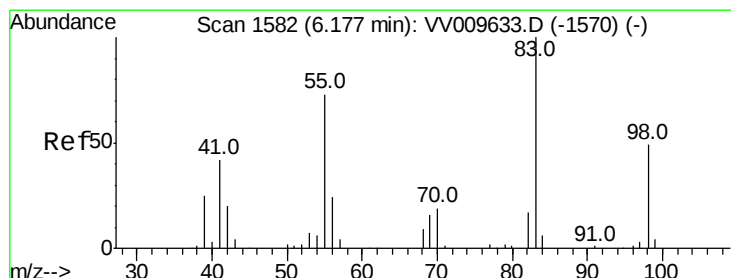
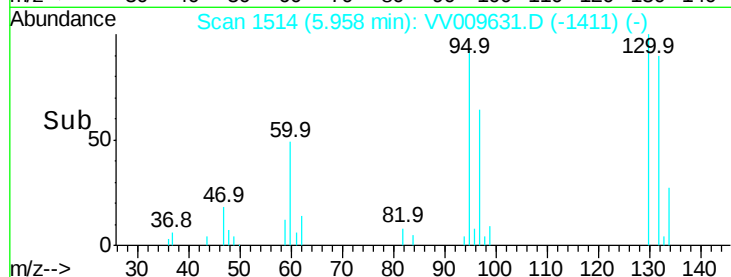
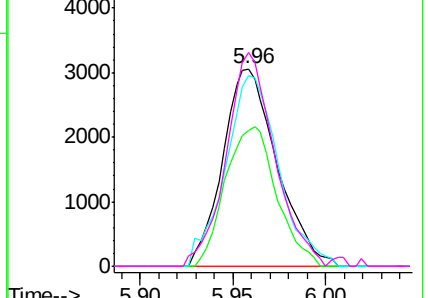


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.683 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

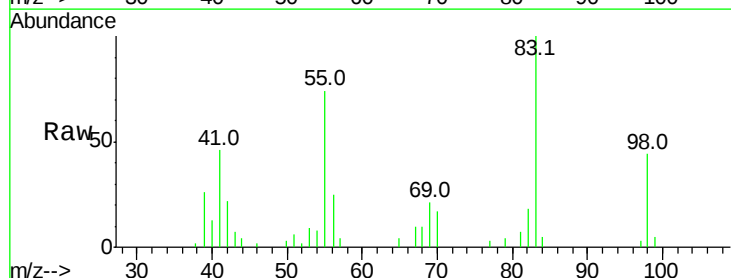
Tgt Ion: 83 Resp: 10442

Ion Ratio Lower Upper

83 100

55 70.7 57.4 86.0

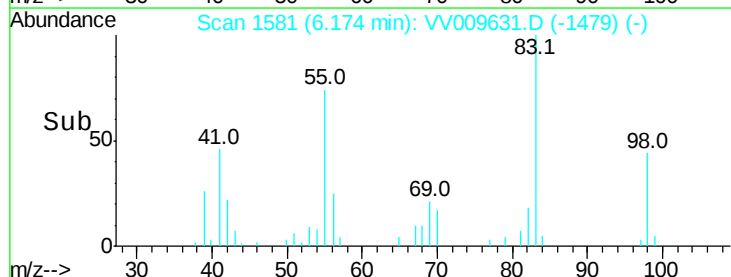
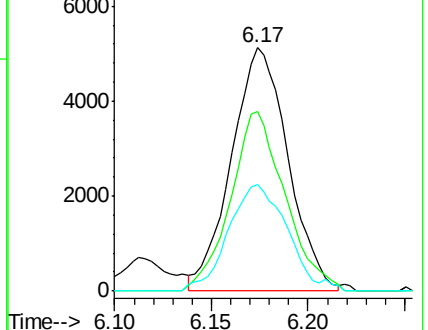
98 44.4 37.1 55.7

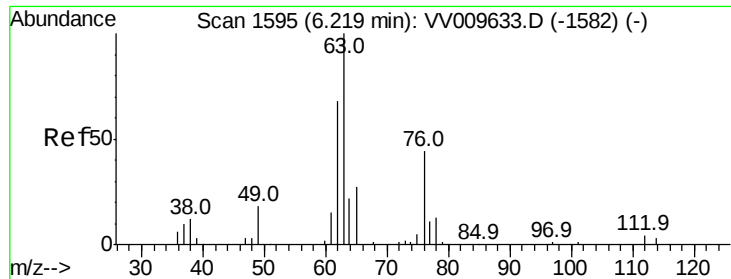


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 2.544 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

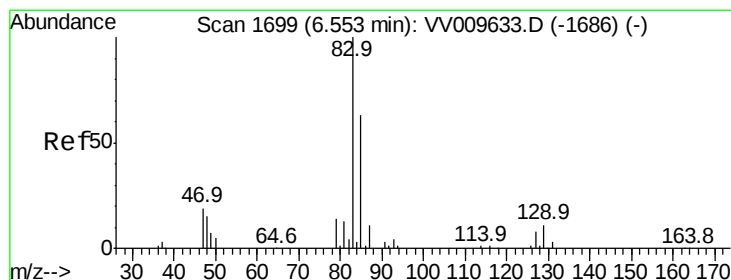
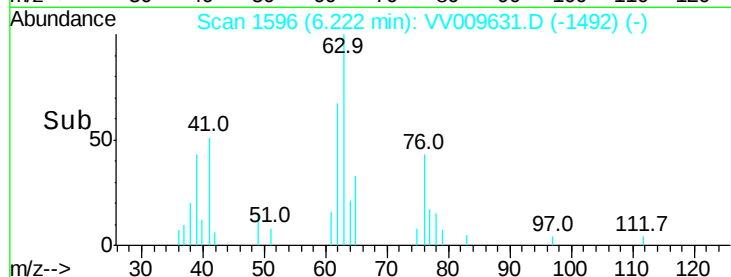
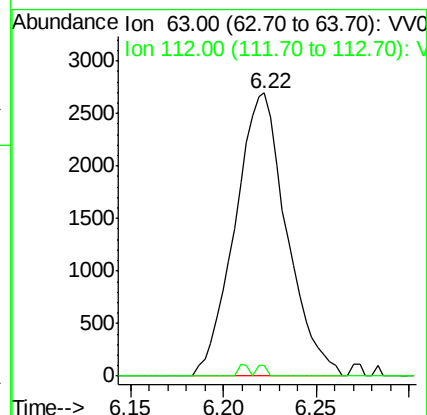
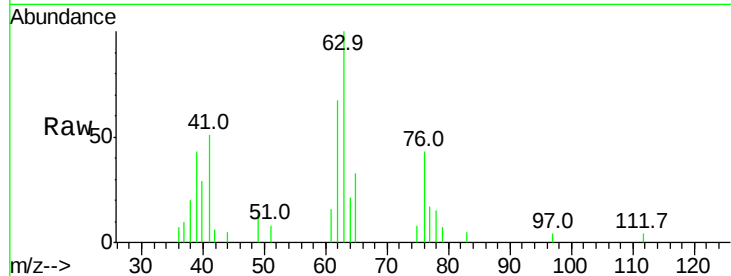
VSTD2.578

Tgt Ion: 63 Resp: 5228

Ion Ratio Lower Upper

63 100

112 0.8 3.2 4.8#



#41

Bromodichloromethane

Concen: 2.355 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

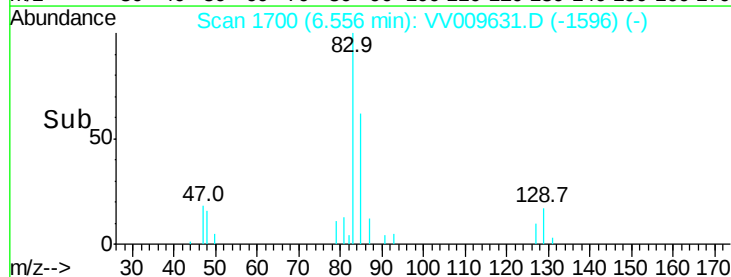
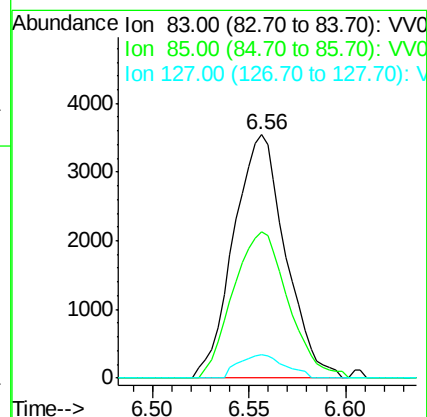
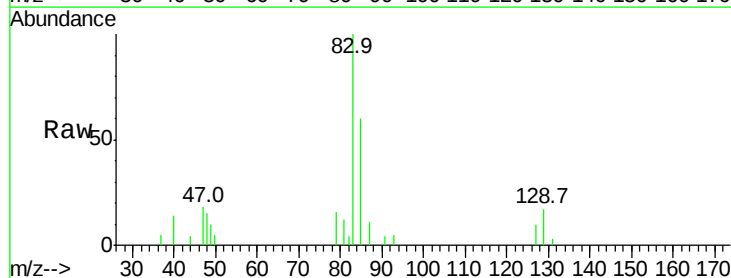
Tgt Ion: 83 Resp: 6606

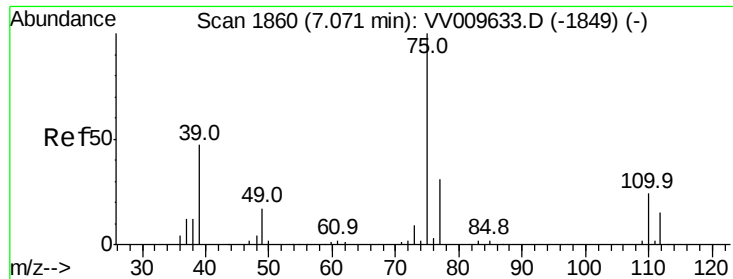
Ion Ratio Lower Upper

83 100

85 60.1 44.4 82.4

127 9.6 6.7 10.1



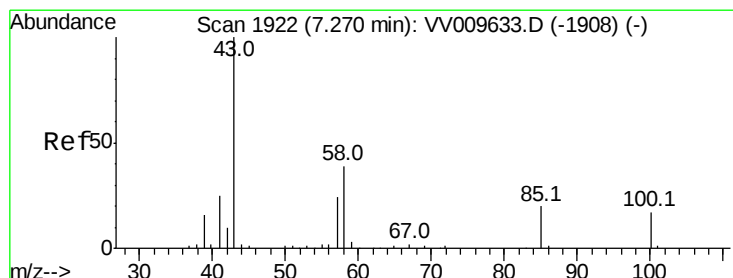
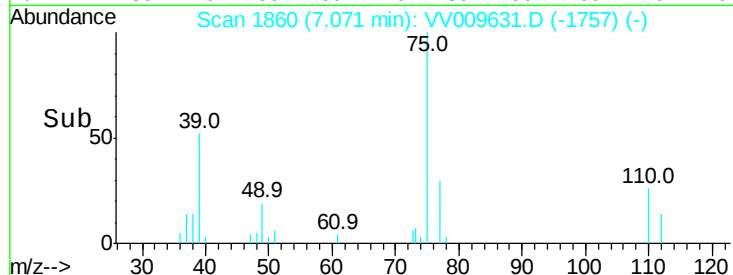
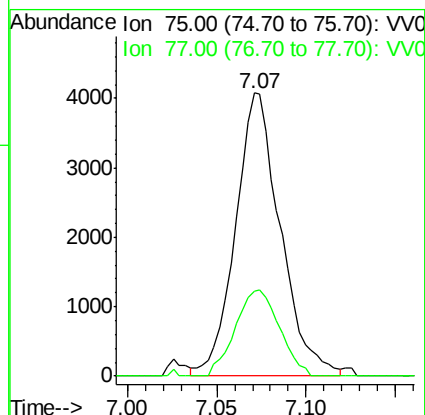
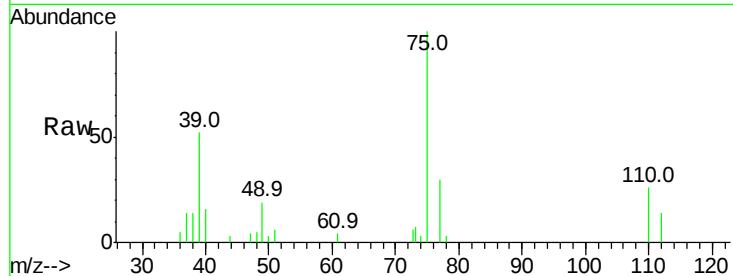


#42

cis-1,3-Dichloropropene
Concen: 2.322 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

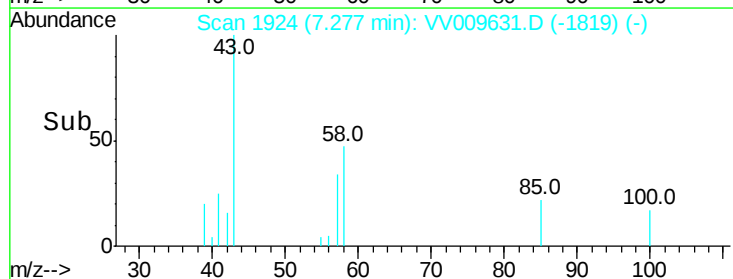
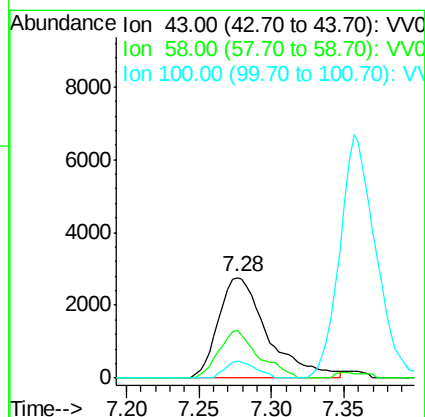
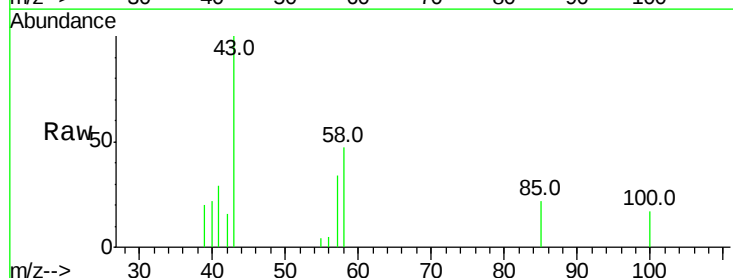
Tgt Ion: 75 Resp: 7175
Ion Ratio Lower Upper
75 100
77 30.1 22.0 40.8

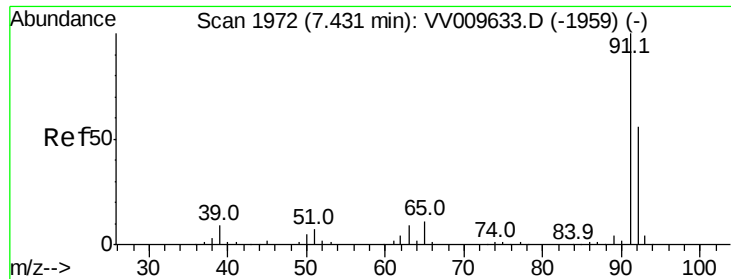


#43

4-Methyl-2-pentanone
Concen: 4.516 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.01 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 43 Resp: 6481
Ion Ratio Lower Upper
43 100
58 37.9 30.9 46.3
100 10.4 11.8 17.6#





#44

Toluene

Concen: 2.499 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

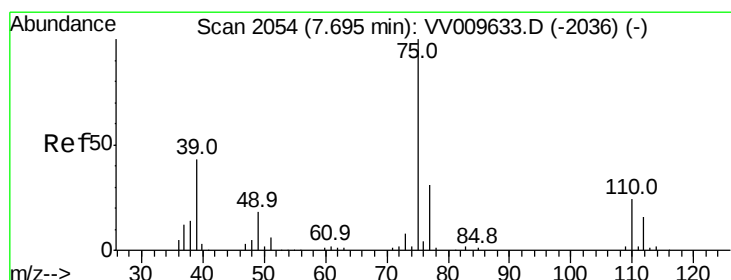
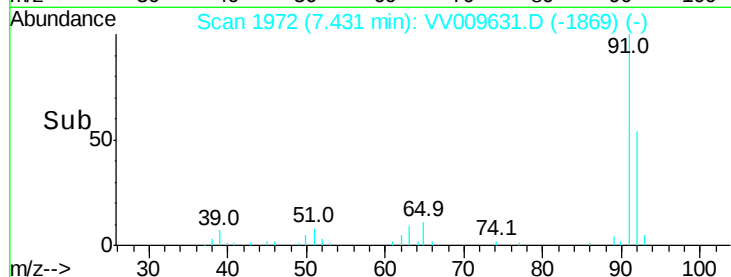
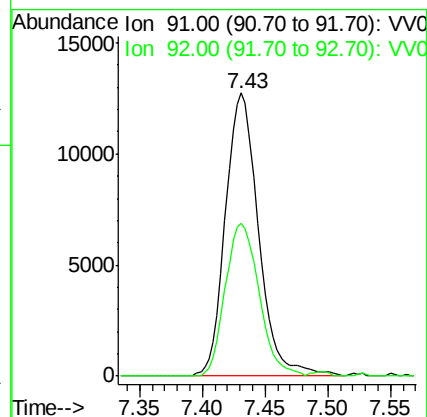
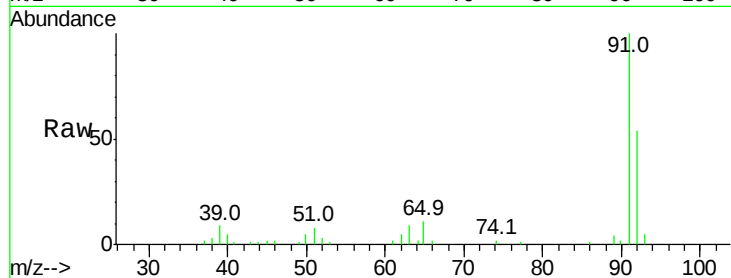
VSTD2.578

Tgt Ion: 91 Resp: 23434

Ion Ratio Lower Upper

91 100

92 53.9 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 2.134 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV009631.D

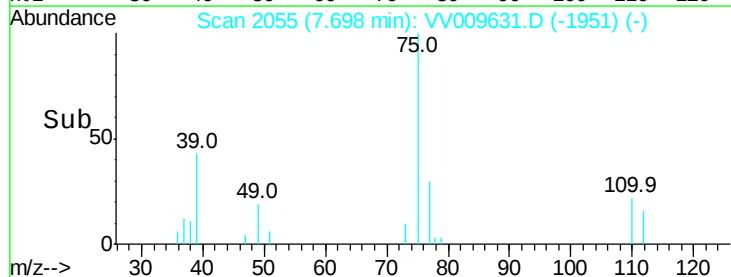
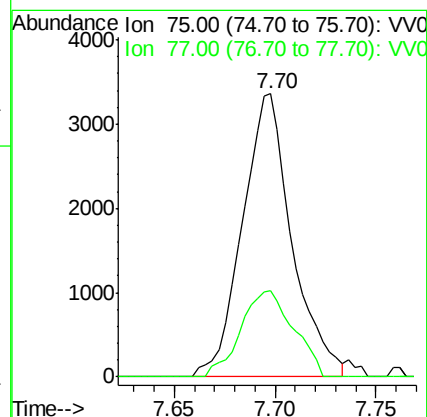
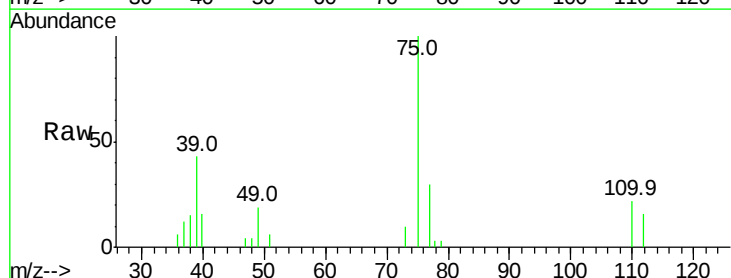
Acq: 13 Mar 2019 09:55

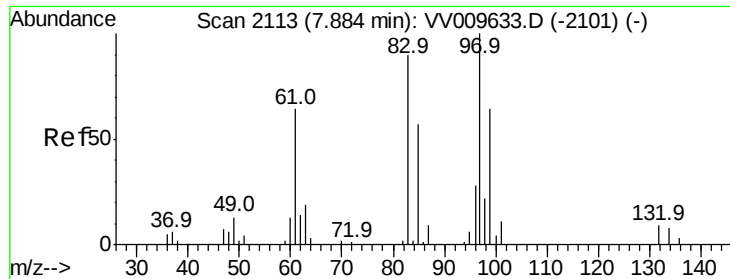
Tgt Ion: 75 Resp: 5766

Ion Ratio Lower Upper

75 100

77 30.4 22.0 40.8



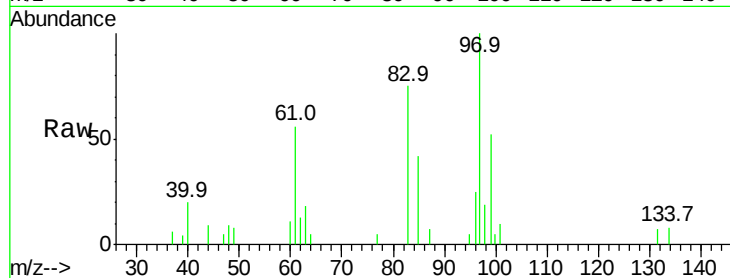


#46
 1,1,2-Trichloroethane
 Concen: 2.511 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.578

Tgt Ion: 97 Resp: 4299

Ion	Ratio	Lower	Upper
97	100		
83	75.1	62.9	116.7
85	42.0	40.0	74.2
99	52.3	44.9	83.3

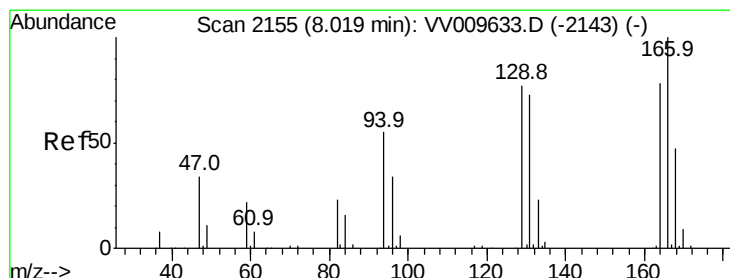
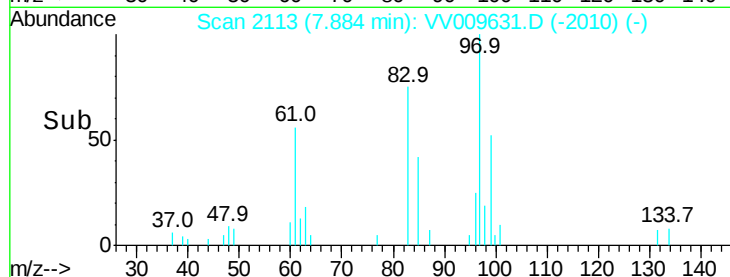
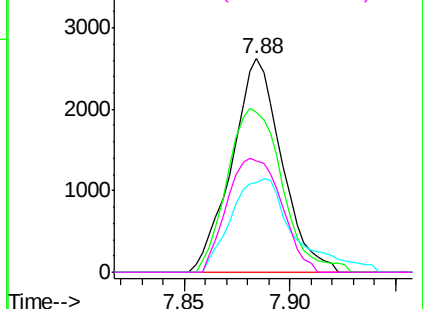


Abundance Ion 97.00 (96.70 to 97.70): VV009633.D (-2101) (-)

Ion 83.00 (82.70 to 83.70): VV009633.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV009633.D (-2101) (-)

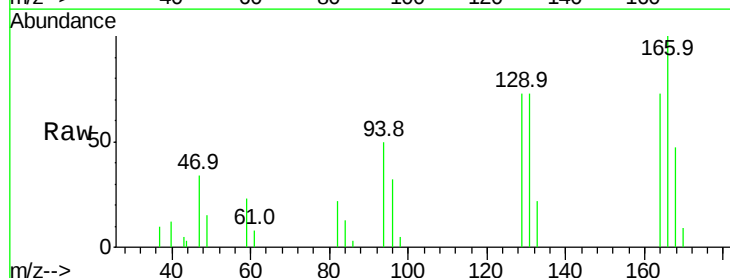
Ion 99.00 (98.70 to 99.70): VV009633.D (-2101) (-)



#47
 Tetrachloroethene
 Concen: 2.625 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Tgt Ion: 164 Resp: 4920

Ion	Ratio	Lower	Upper
164	100		
129	99.8	69.0	128.1
131	99.3	65.7	122.1
166	136.2	89.4	166.0

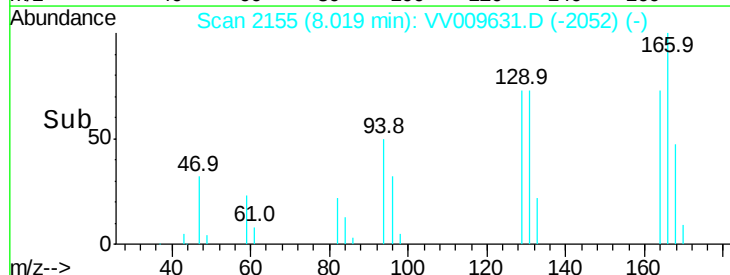
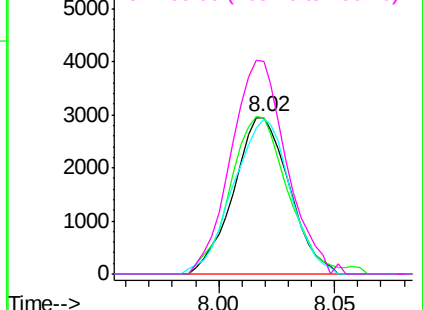


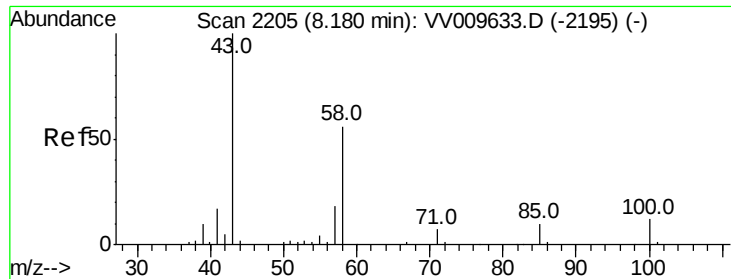
Abundance Ion 164.00 (163.70 to 164.70): VV009633.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV009633.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV009633.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV009633.D (-2143) (-)

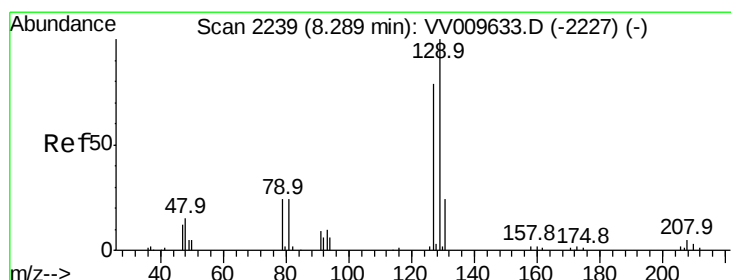
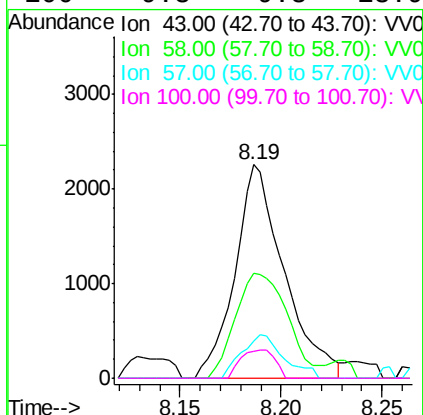
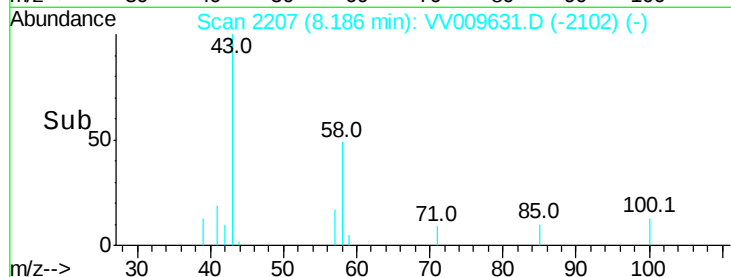
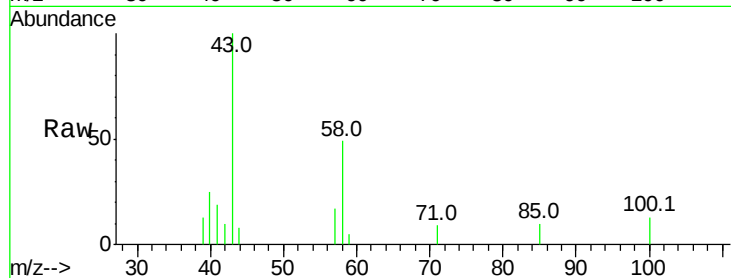




#49
2-Hexanone
Concen: 3.572 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.01 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

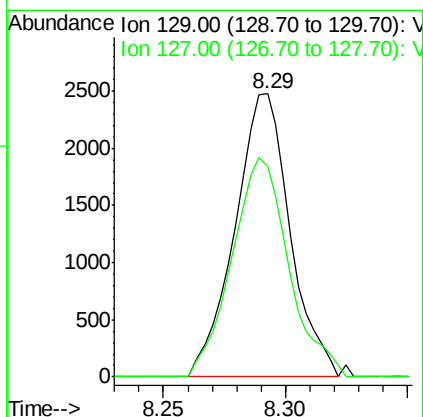
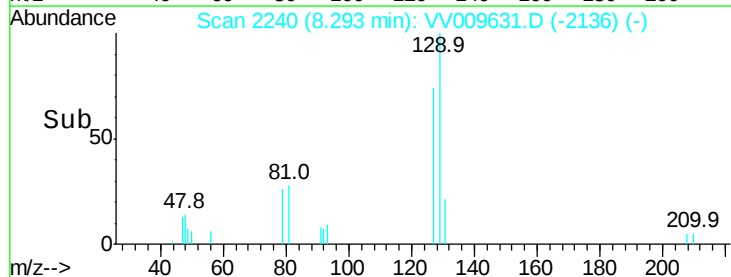
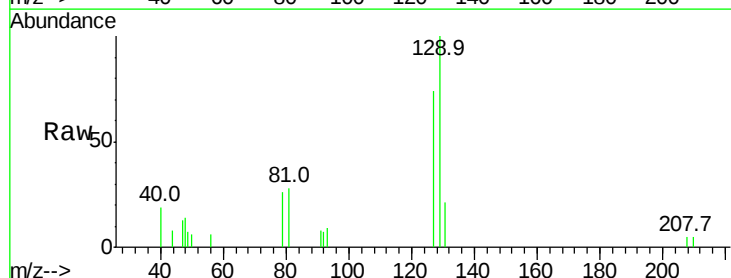
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

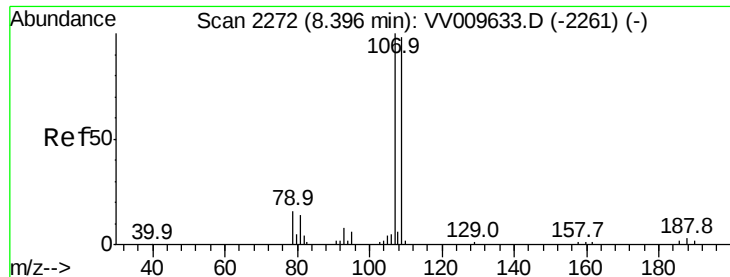
Tgt Ion: 43 Resp: 3843
Ion Ratio Lower Upper
43 100
58 52.4 44.9 67.3
57 16.9 14.5 21.7
100 9.3 9.3 13.9#



#50
Dibromochloromethane
Concen: 1.999 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 129 Resp: 3879
Ion Ratio Lower Upper
129 100
127 74.2 55.4 102.8





#51

1,2-Dibromoethane

Concen: 2.136 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

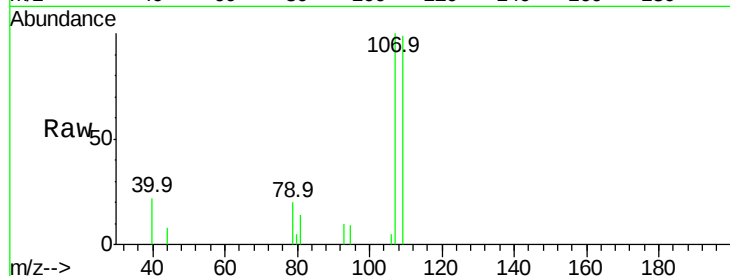
Tgt Ion:107 Resp: 3664

Ion Ratio Lower Upper

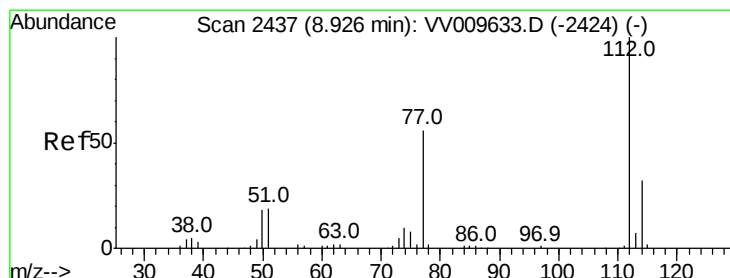
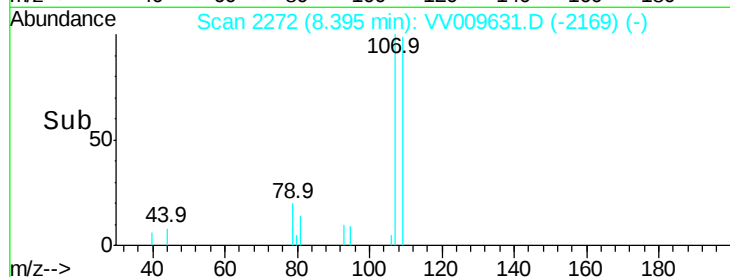
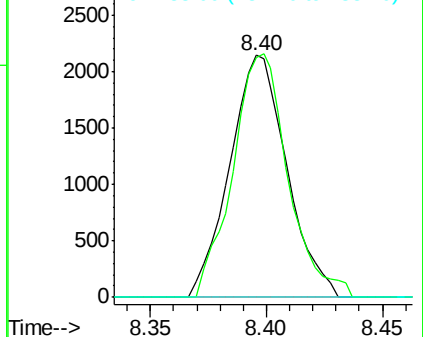
107 100

109 99.2 68.4 127.0

188 0.0 2.6 3.8#



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 2.593 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

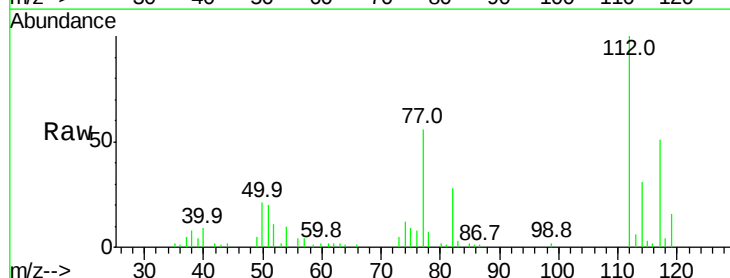
Tgt Ion:112 Resp: 15762

Ion Ratio Lower Upper

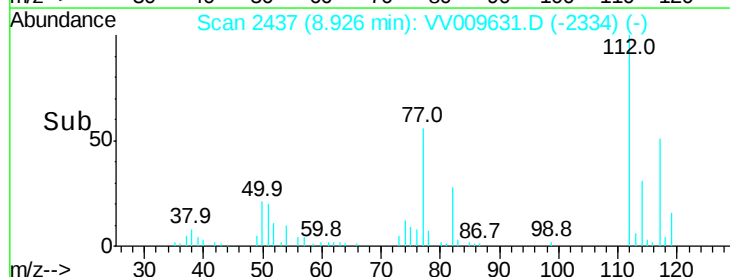
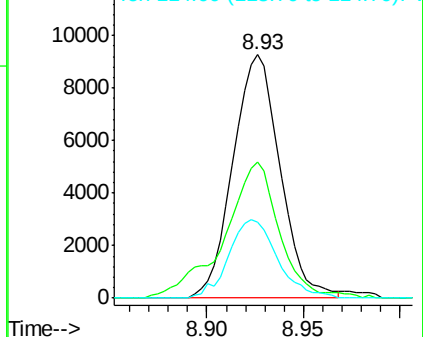
112 100

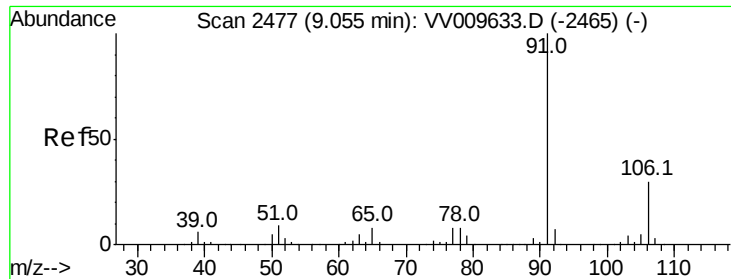
77 56.1 45.6 68.4

114 31.0 22.3 41.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

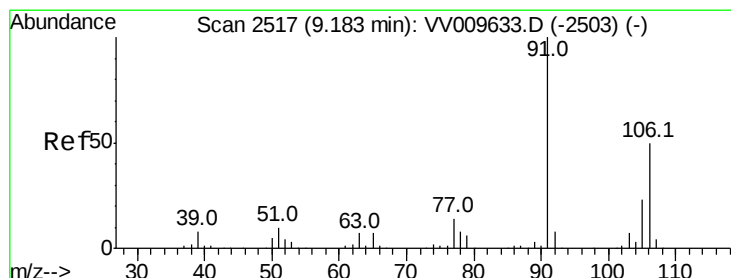
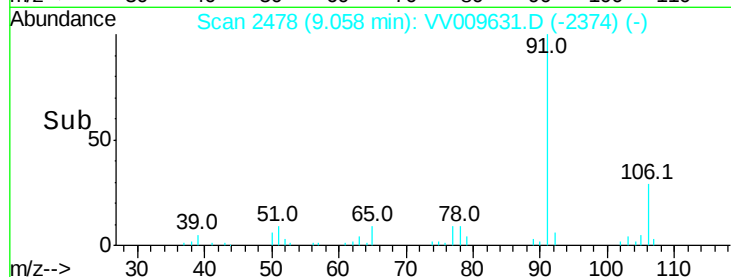
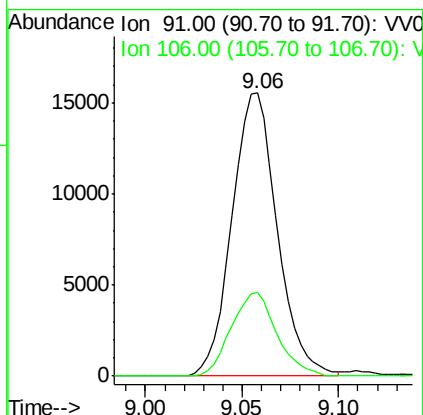
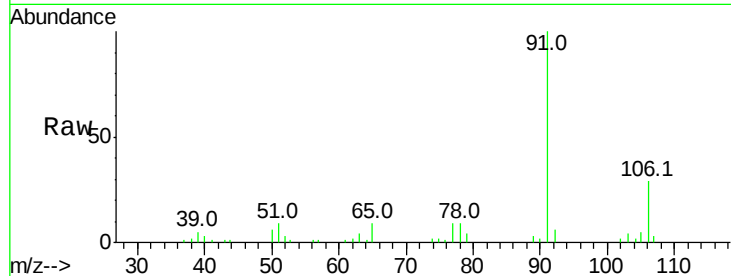




#53
Ethylbenzene
Concen: 2.434 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

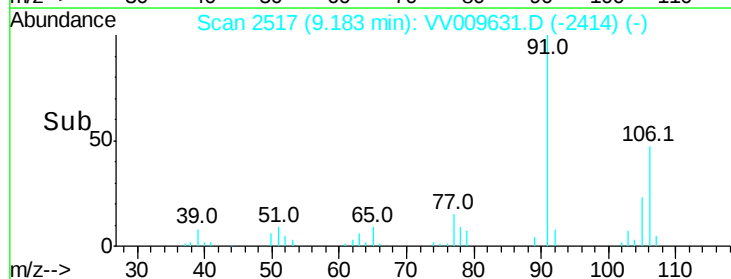
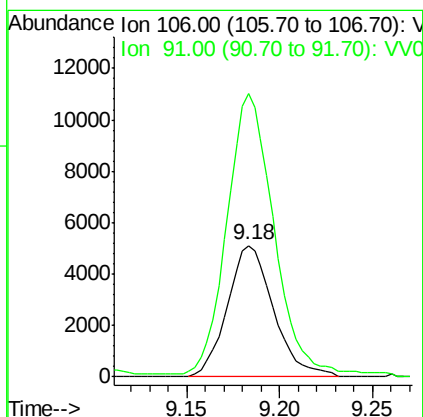
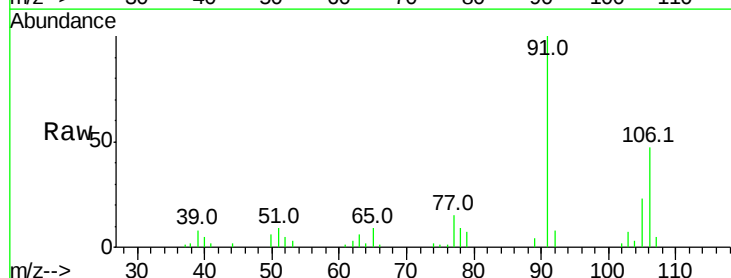
Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

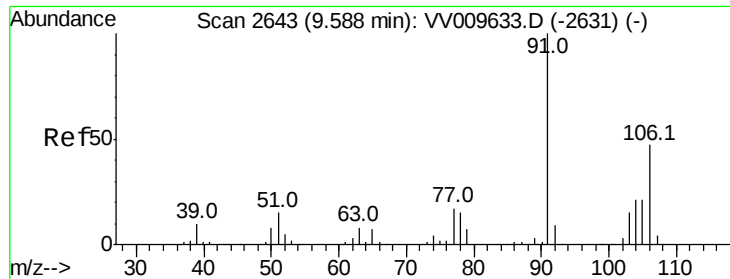
Tgt Ion: 91 Resp: 25334
Ion Ratio Lower Upper
91 100
106 29.3 21.1 39.1



#54
m,p-Xylene
Concen: 2.241 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion: 106 Resp: 8839
Ion Ratio Lower Upper
106 100
91 215.0 141.4 262.6

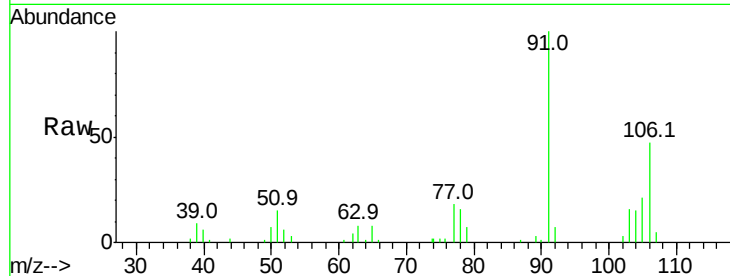




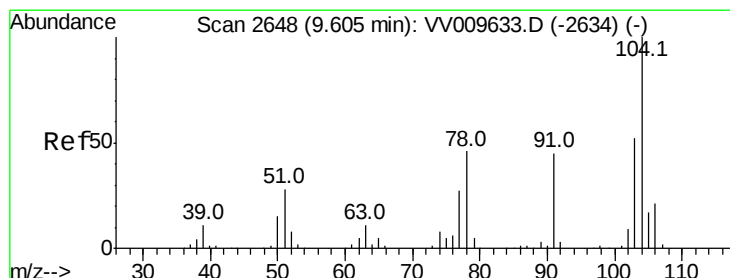
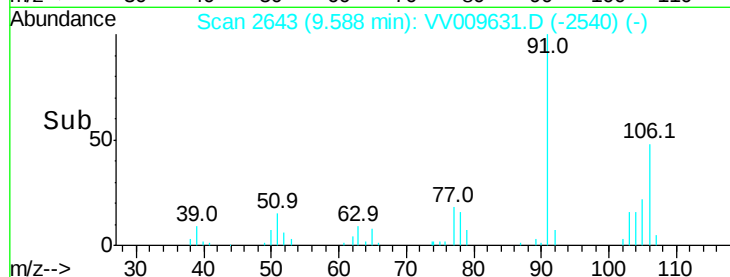
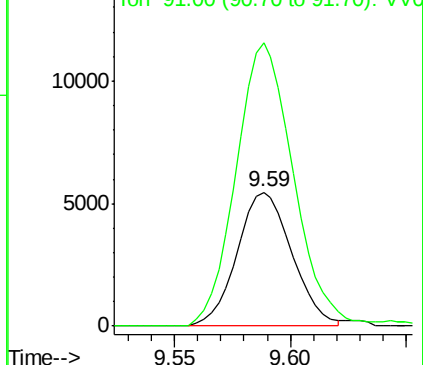
#55
o-xylene
Concen: 2.318 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.578

Tgt Ion:106 Resp: 8966
Ion Ratio Lower Upper
106 100
91 211.7 149.7 278.1

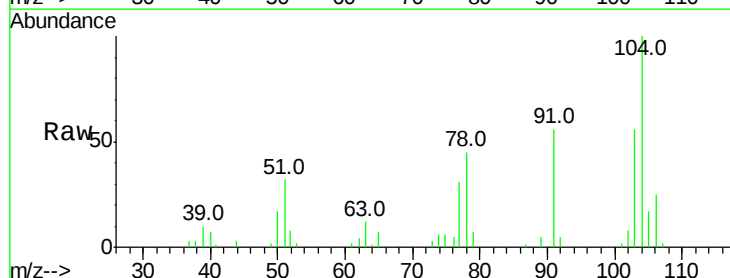


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

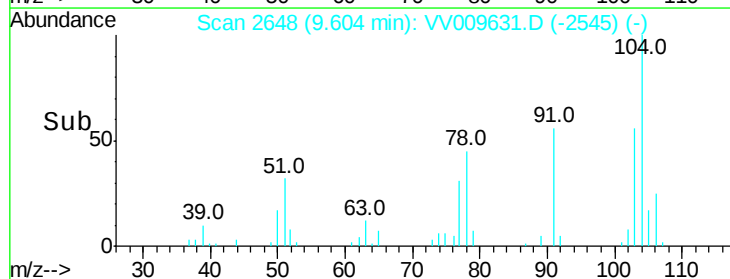
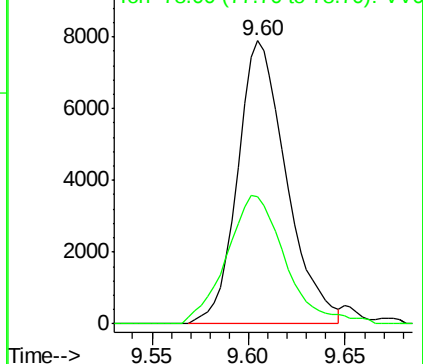


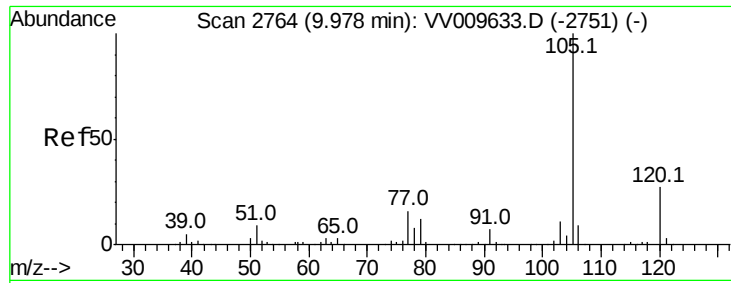
#56
Styrene
Concen: 2.252 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009631.D
Acq: 13 Mar 2019 09:55

Tgt Ion:104 Resp: 13873
Ion Ratio Lower Upper
104 100
78 45.1 32.3 59.9



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





#57

Isopropylbenzene

Concen: 2.321 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

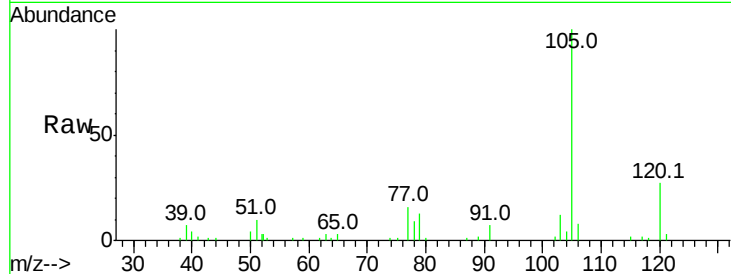
Tgt Ion:105 Resp: 23742

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

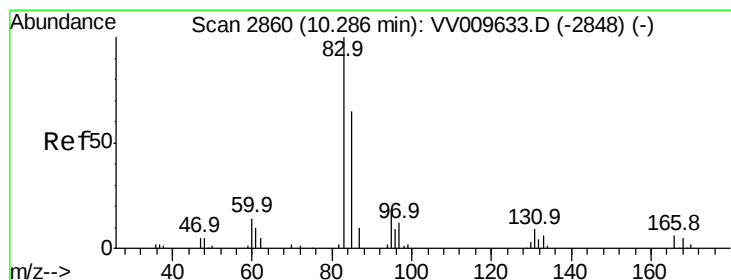
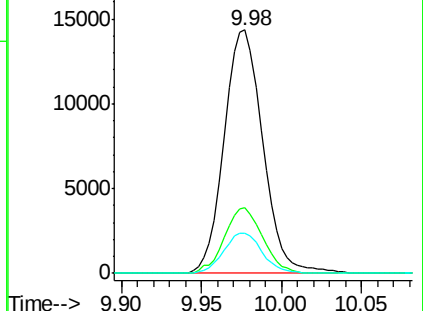
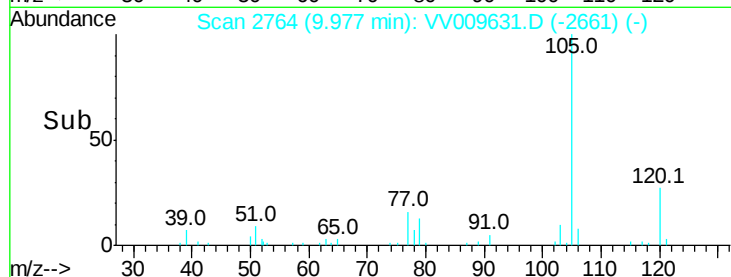
77 16.5 12.9 19.3



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: 2.171 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

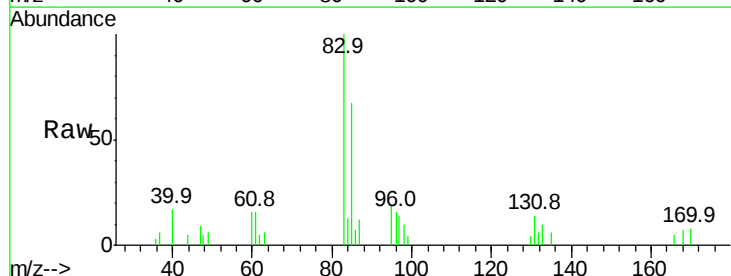
Tgt Ion: 83 Resp: 4936

Ion Ratio Lower Upper

83 100

85 67.2 46.1 85.7

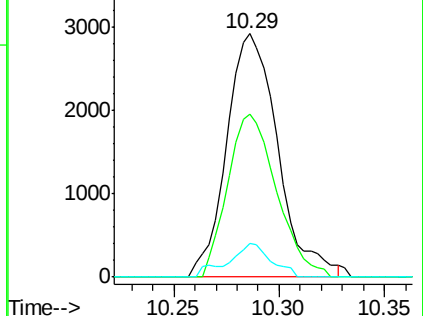
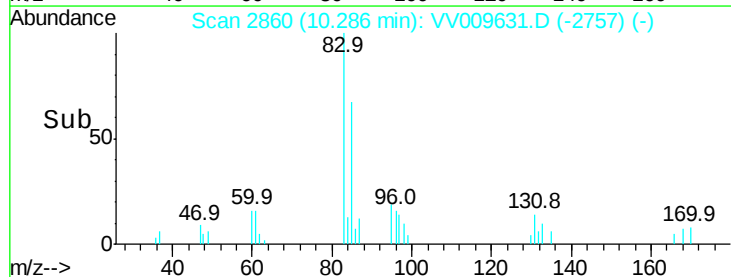
131 19.9 8.0 12.0#

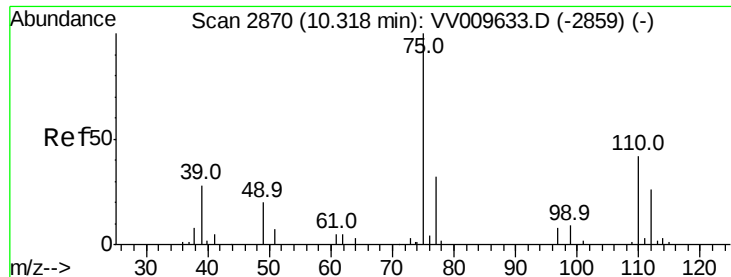


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

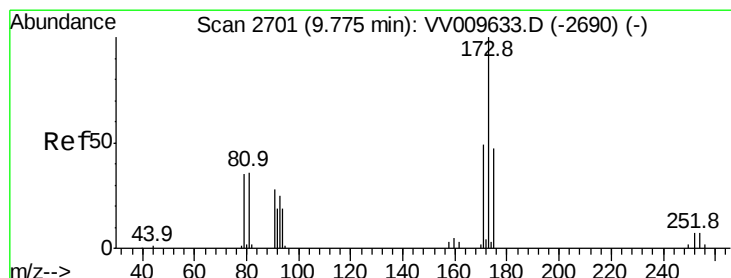
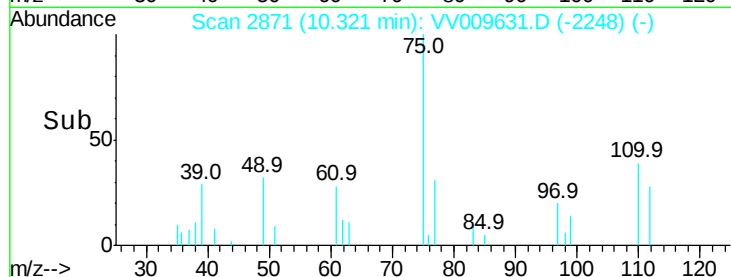
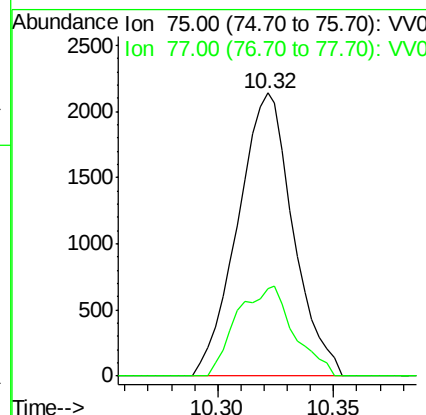
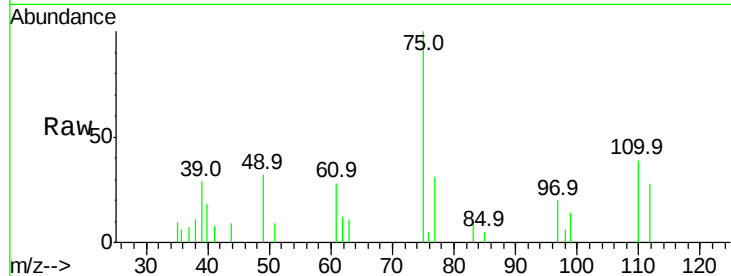




#59
 1,2,3-Trichloropropane
 Concen: 2.147 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

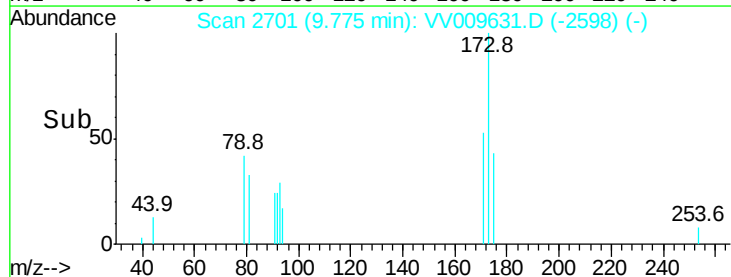
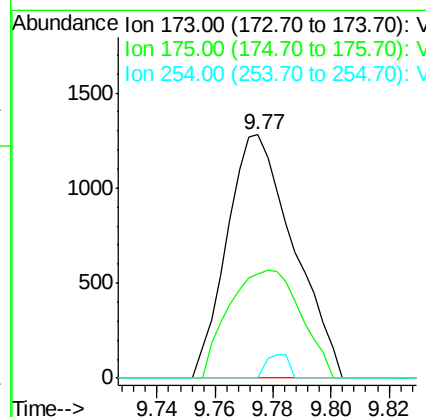
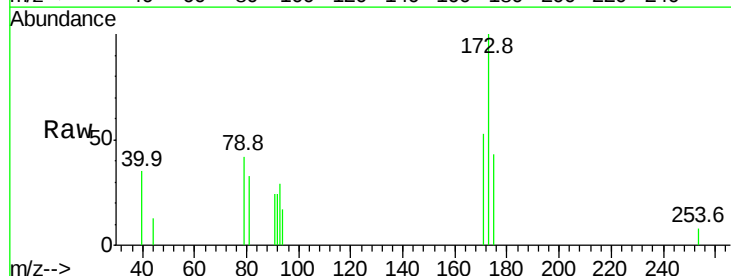
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.578

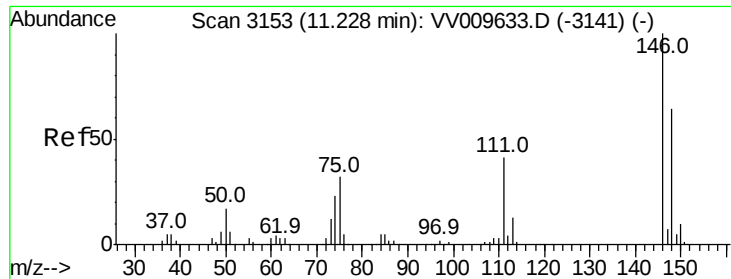
Tgt Ion: 75 Resp: 3547
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.3 37.9



#62
 Bromoform
 Concen: 2.011 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Tgt Ion: 173 Resp: 2039
 Ion Ratio Lower Upper
 173 100
 175 48.0 37.8 56.6
 254 3.4 6.1 9.1#

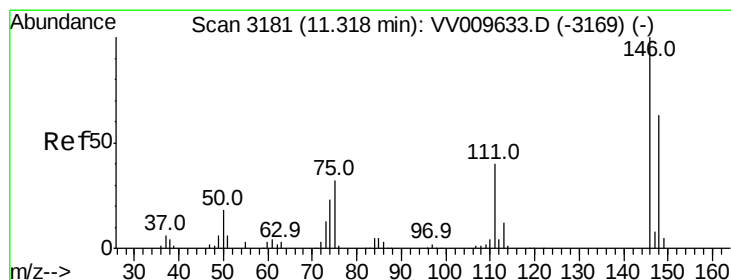
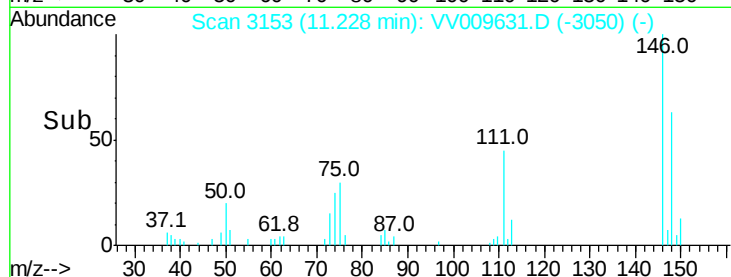
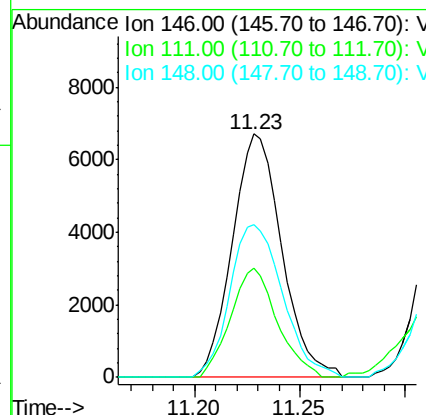
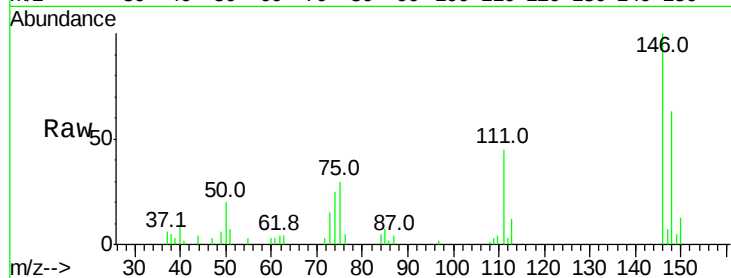




#63
 1,3-Dichlorobenzene
 Concen: 2.532 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

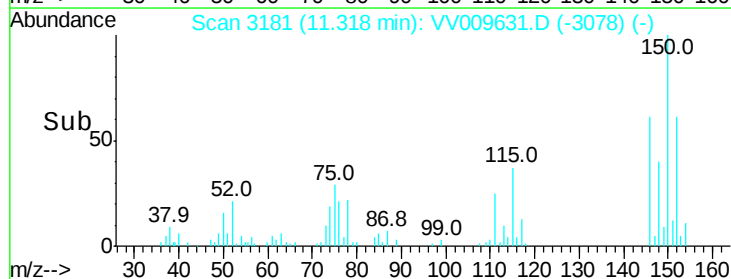
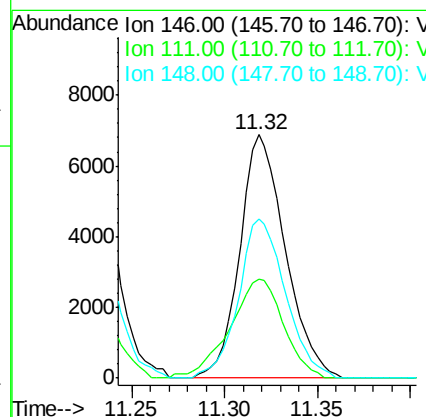
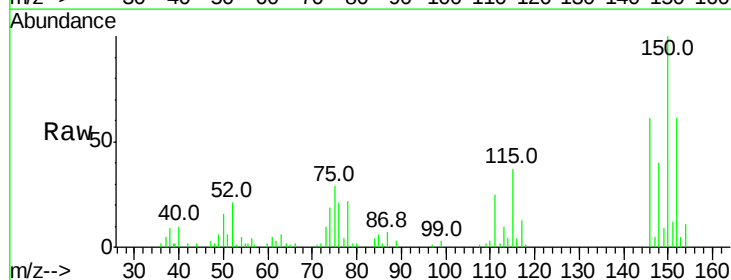
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.578

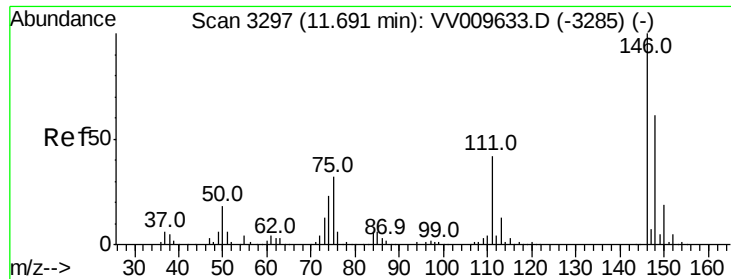
Tgt Ion:146 Resp: 10949
 Ion Ratio Lower Upper
 146 100
 111 45.1 28.8 53.6
 148 63.0 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 2.702 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Tgt Ion:146 Resp: 11750
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.2 52.4
 148 65.5 44.2 82.0

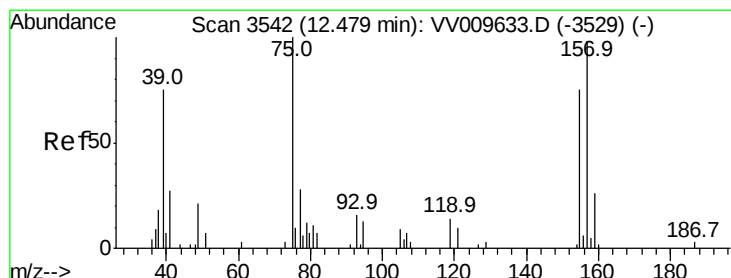
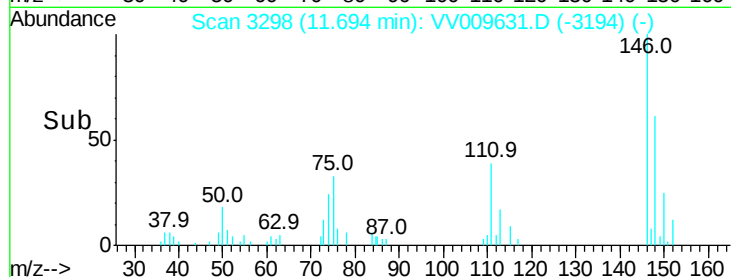
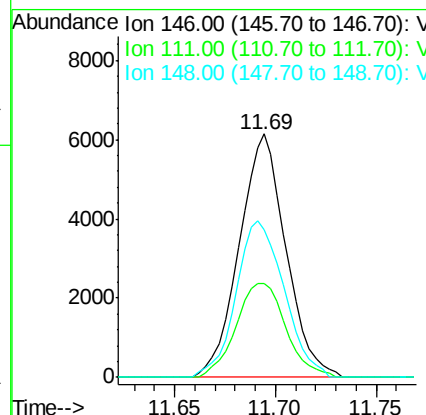
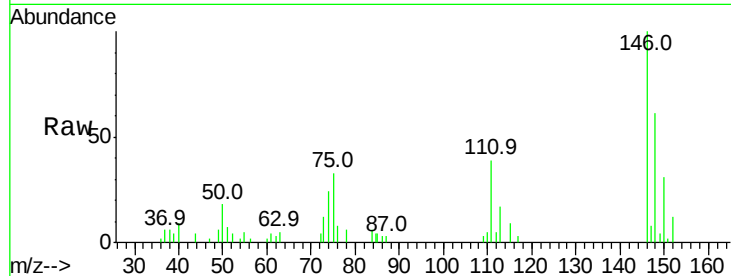




#65
 1,2-Dichlorobenzene
 Concen: 2.469 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

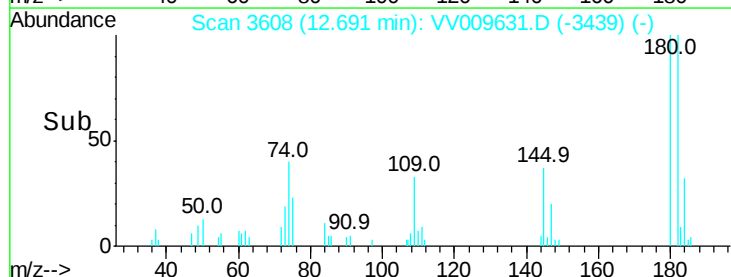
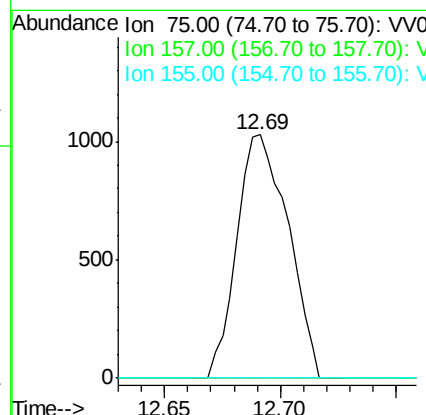
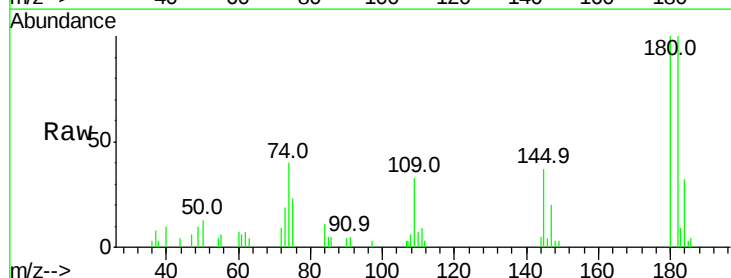
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.578

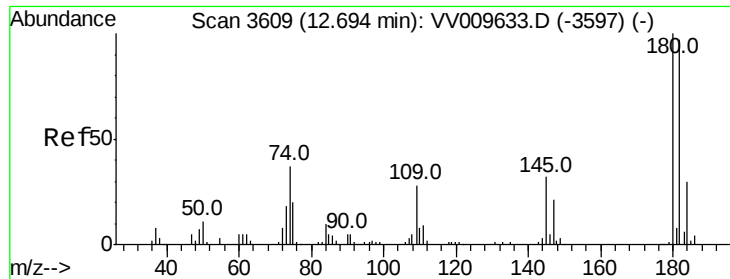
Tgt Ion: 146 Resp: 9948
 Ion Ratio Lower Upper
 146 100
 111 38.6 33.8 50.6
 148 60.6 49.1 73.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.235 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.21 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Tgt Ion: 75 Resp: 1571
 Ion Ratio Lower Upper
 75 100
 157 0.0 78.6 118.0#
 155 0.0 60.0 90.0#

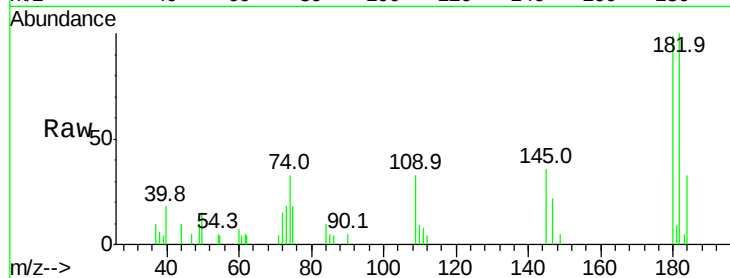




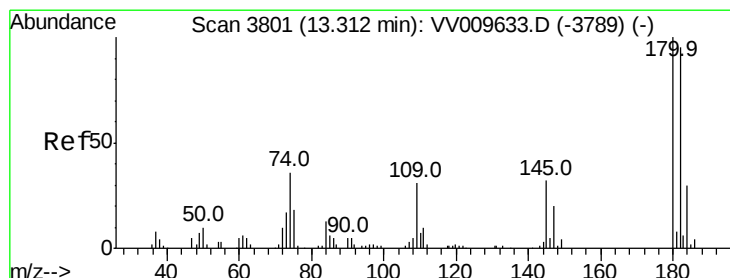
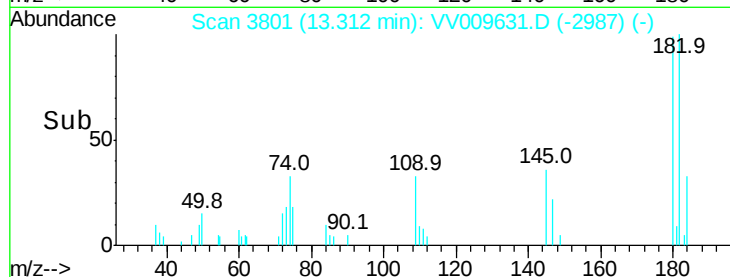
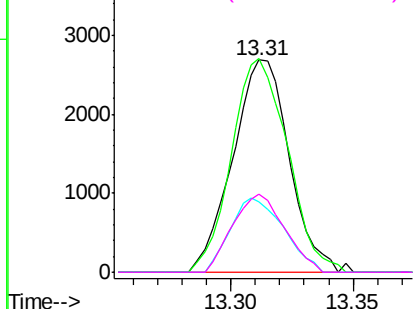
#67
 1,3,5-Trichlorobenzene
 Concen: 1.436 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD2.578

Tgt Ion:180 Resp: 4314
 Ion Ratio Lower Upper
 180 100
 182 100.1 76.3 114.5
 184 33.2 23.8 35.8
 145 33.9 25.8 38.8

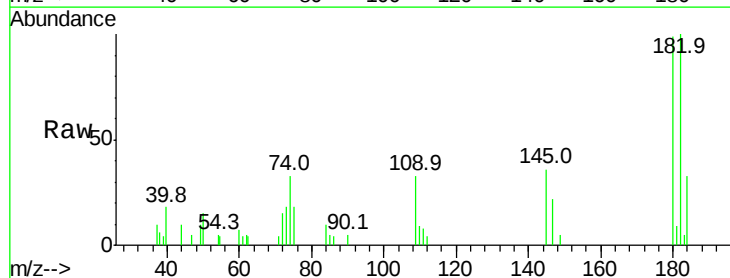


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

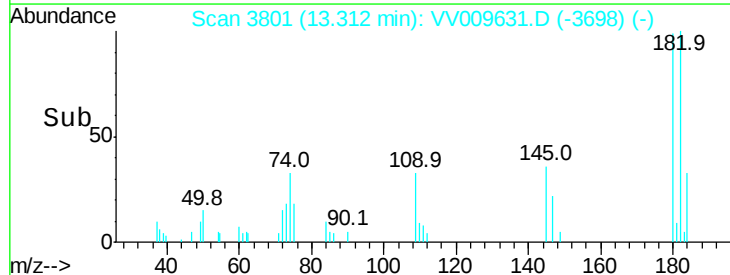
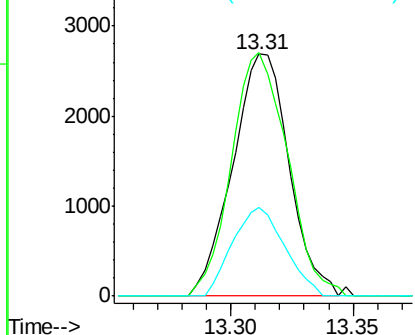


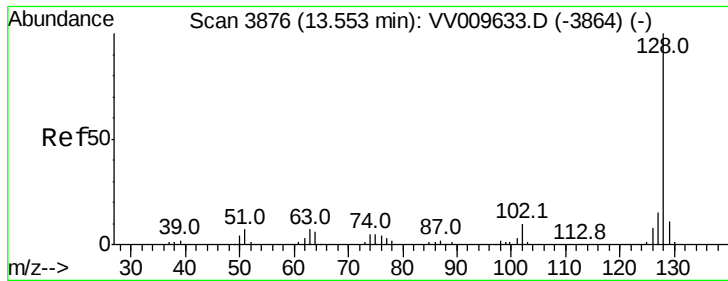
#68
 1,2,4-trichlorobenzene
 Concen: 2.003 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009631.D
 Acq: 13 Mar 2019 09:55

Tgt Ion:180 Resp: 4314
 Ion Ratio Lower Upper
 180 100
 182 100.1 77.4 116.0
 145 33.9 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





#69

Naphthalene

Concen: 1.176 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

Instrument :

MSVOA_V

ClientSampleId :

VSTD2.578

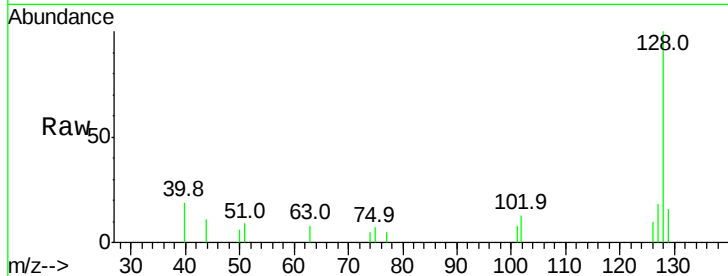
Tgt Ion:128 Resp: 4262

Ion Ratio Lower Upper

128 100

129 13.7 8.3 12.5#

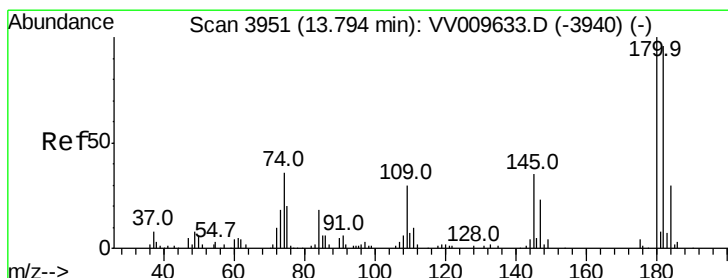
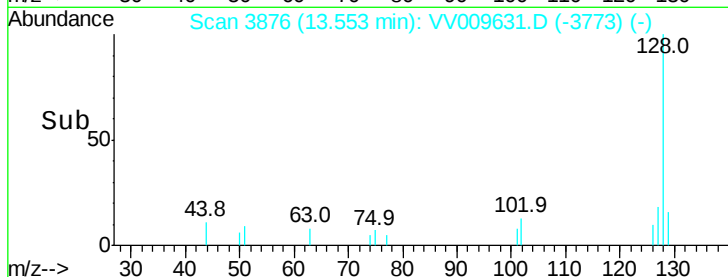
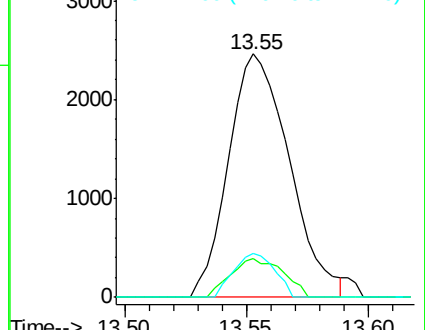
127 12.2 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 1.918 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009631.D

Acq: 13 Mar 2019 09:55

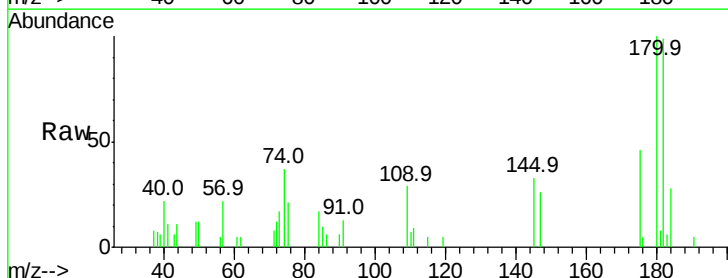
Tgt Ion:180 Resp: 3749

Ion Ratio Lower Upper

180 100

182 91.9 76.9 115.3

145 33.3 27.3 40.9



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

