

Data File : VV010627.D
Acq On : 02 May 2019 12:50
Operator : SY/MD
Sample : VSTD05063
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Quant Time: May 02 13:13:10 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	155735	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	162230	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	83380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92477	43.10	ug/L	0.00
7) Chloroethane-d5	1.57	69	63901	38.29	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	166394	41.54	ug/L	0.00
20) 2-Butanone-d5	3.93	46	71035	141.59	ug/L	0.00
24) Chloroform-d	4.40	84	208085	54.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	121521	52.05	ug/L	0.00
29) Benzene-d6	5.10	84	427466	57.07	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	130285	58.97	ug/L	0.00
37) Toluene-d8	7.36	98	429585	55.68	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	60463	55.57	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	53312	121.47	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	126385	58.71	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	166096	52.41	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	114049	48.014	ug/L	100
3) Chloromethane	1.25	50	102752	52.138	ug/L	100
5) Vinyl chloride	1.32	62	92478	39.714	ug/L	97
6) Bromomethane	1.51	94	47077	38.782	ug/L	100
8) Chloroethane	1.59	64	48461	37.016	ug/L	100
9) Trichlorofluoromethane	1.76	101	165669	41.646	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83514	37.496	ug/L	97
12) 1,1-Dichloroethene	2.14	96	72792	37.119	ug/L	96
13) Acetone	2.19	43	44024	81.870	ug/L	97
14) Carbon disulfide	2.31	76	237336	54.155	ug/L	100
15) Methyl Acetate	2.46	43	55029	68.753	ug/L	98
16) Methylene chloride	2.53	84	103071	45.130	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	253451	54.520	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	95893	55.286	ug/L	98
19) 1,1-Dichloroethane	3.23	63	177148	57.152	ug/L	99
21) 2-Butanone	4.01	43	75284	131.362	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	110229	56.372	ug/L	98
23) Bromochloromethane	4.30	128	52034	55.158	ug/L	99
25) Chloroform	4.42	83	197935	53.148	ug/L	99
27) 1,2-Dichloroethane	5.18	62	132850	50.856	ug/L	98
30) Cyclohexane	4.72	56	146672	51.031	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	161259	46.508	ug/L	99
32) Carbon tetrachloride	4.87	117	146197	44.485	ug/L	99
34) Benzene	5.15	78	397050	55.369	ug/L	100
35) Trichloroethene	5.96	95	109197	50.213	ug/L	99
36) Methylcyclohexane	6.18	83	161773	49.795	ug/L	97
40) 1,2-Dichloropropane	6.22	63	105191	59.605	ug/L	100
41) Bromodichloromethane	6.55	83	143719	52.798	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	169735	58.242	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	160486	122.451	ug/L	98

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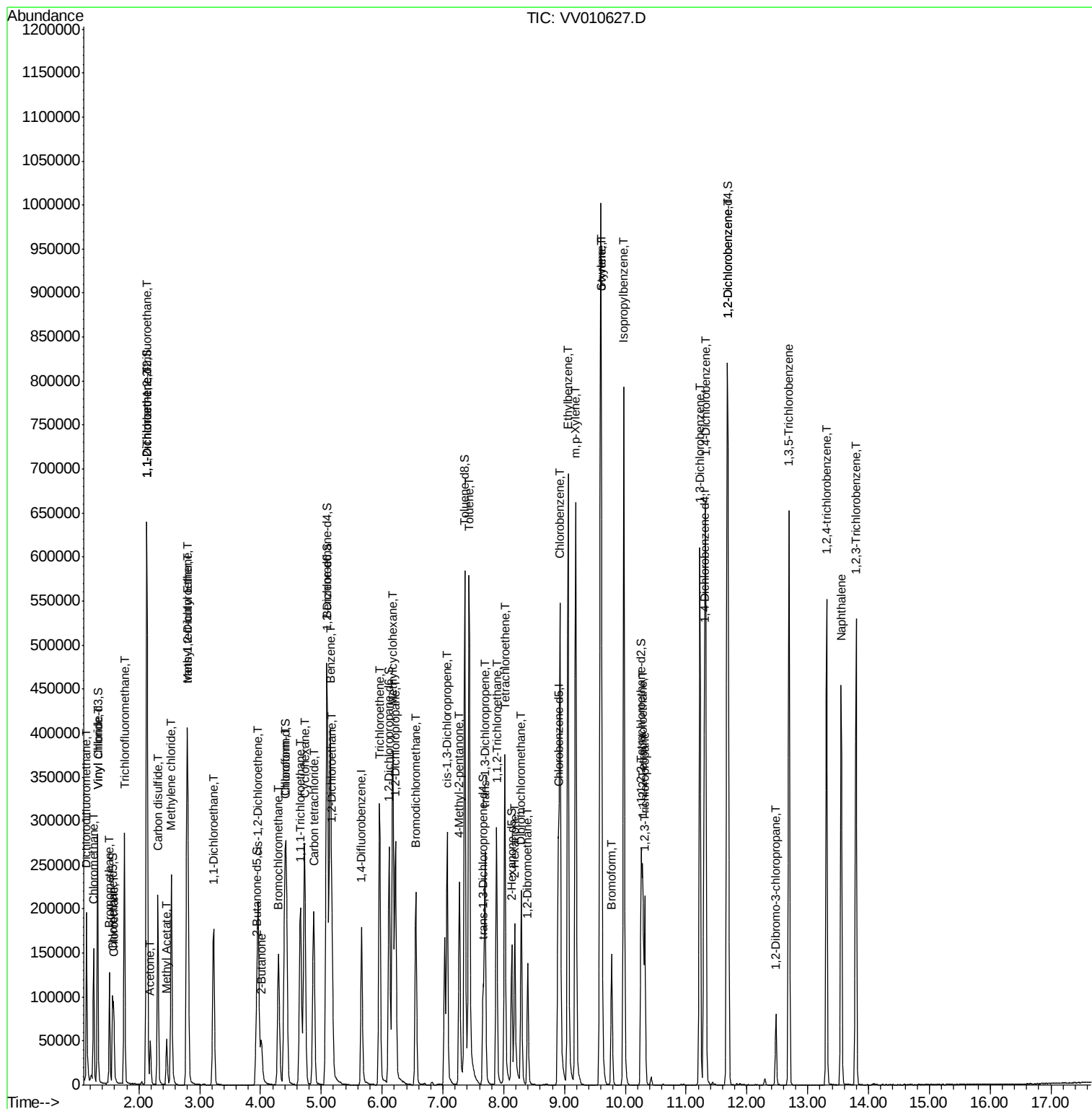
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	461010	53.199	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	144855	54.438	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	91916	58.071	ug/L	98
47) Tetrachloroethene	8.02	164	86292	44.705	ug/L	99
49) 2-Hexanone	8.18	43	127928	137.487	ug/L	97
50) Dibromochloromethane	8.29	129	112248	52.606	ug/L	99
51) 1,2-Dibromoethane	8.40	107	88985	53.581	ug/L	94
52) Chlorobenzene	8.93	112	312065	51.366	ug/L	99
53) Ethylbenzene	9.06	91	520967	51.418	ug/L	100
54) m,p-Xylene	9.18	106	207963	52.358	ug/L	96
55) o-xylene	9.59	106	202822	51.264	ug/L	98
56) Styrene	9.60	104	352154	53.948	ug/L	100
57) Isopropylbenzene	9.98	105	528152	49.411	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	115410	56.284	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	87656	57.698	ug/L	100
62) Bromoform	9.77	173	65979	52.836	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	252792	51.843	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	259694	52.023	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	249320	52.615	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	19348	61.607	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	191566	49.162	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	159781	54.358	ug/L	99
69) Naphthalene	13.55	128	344278	72.873	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	155047	56.988	ug/L	97

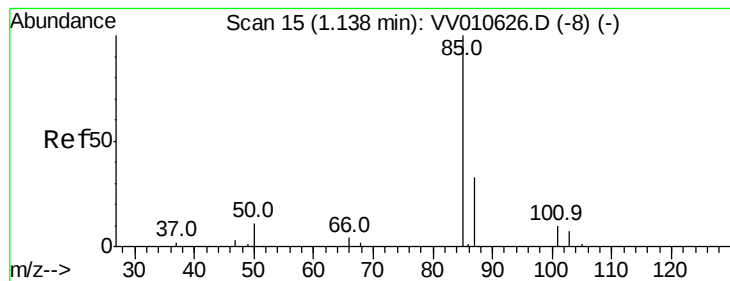
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.014 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

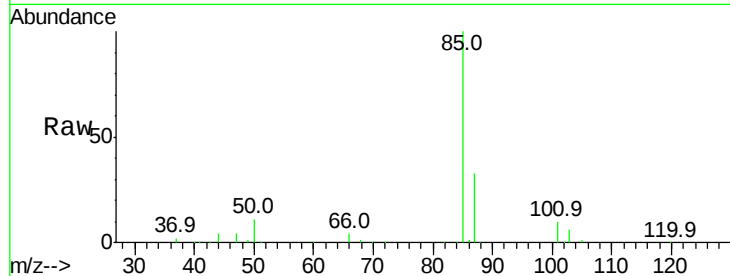
VSTD05063

Tgt Ion: 85 Resp: 114049

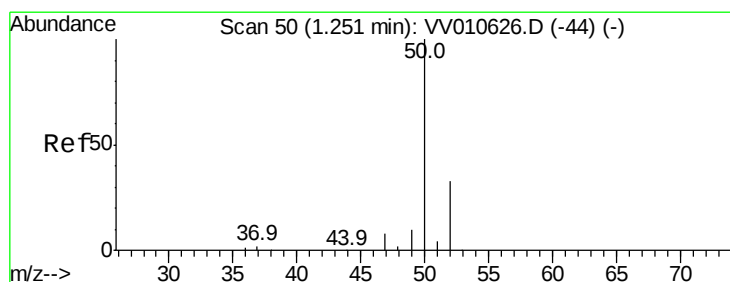
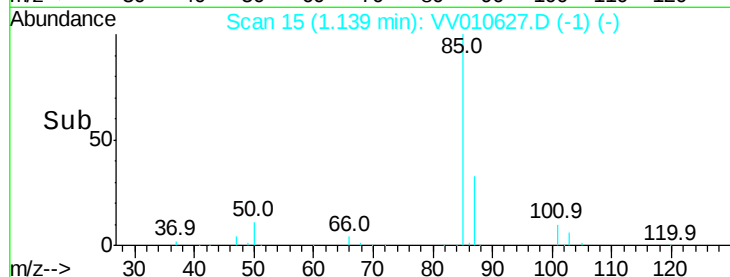
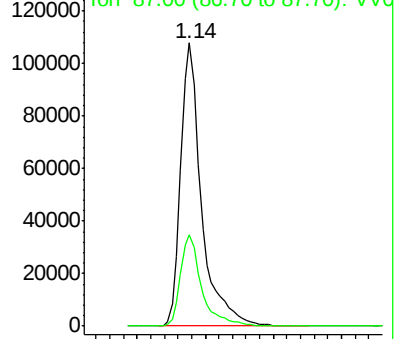
Ion Ratio Lower Upper

85 100

87 32.7 23.0 42.8



Abundance Ion 85.00 (84.70 to 85.70): VV010627.D (-8) (-)



#3

Chloromethane

Concen: 52.138 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010627.D

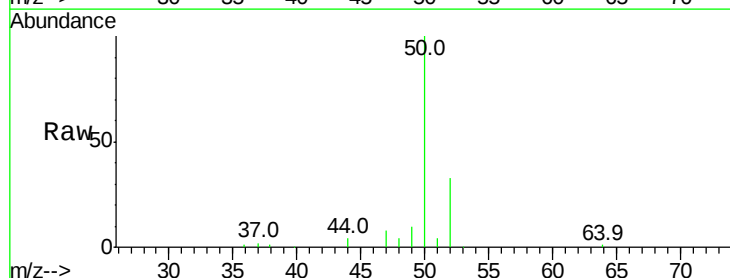
Acq: 02 May 2019 12:50

Tgt Ion: 50 Resp: 102752

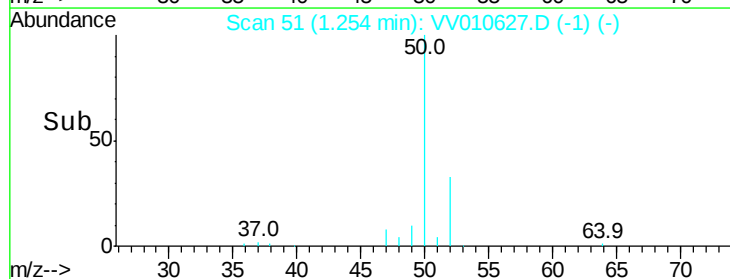
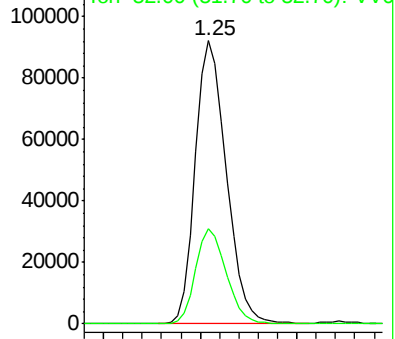
Ion Ratio Lower Upper

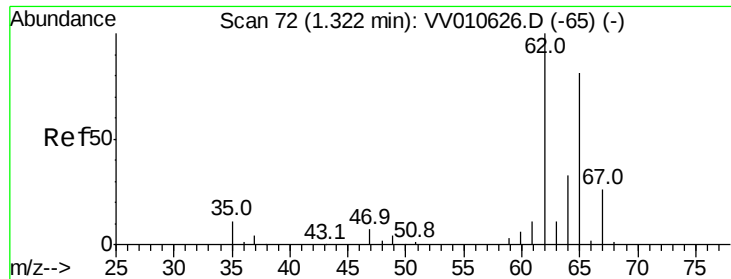
50 100

52 33.5 23.4 43.4



Abundance Ion 50.00 (49.70 to 50.70): VV010627.D (-44) (-)





#5

Vinyl chloride

Concen: 39.714 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

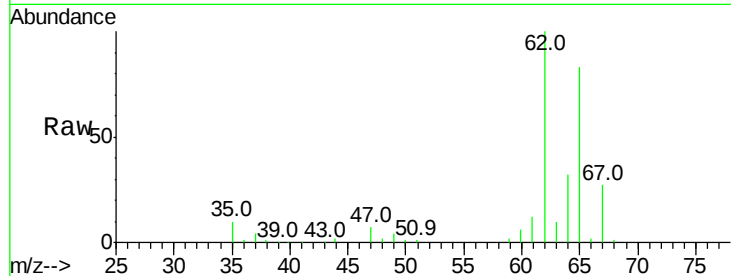
VSTD05063

Tgt Ion: 62 Resp: 92478

Ion Ratio Lower Upper

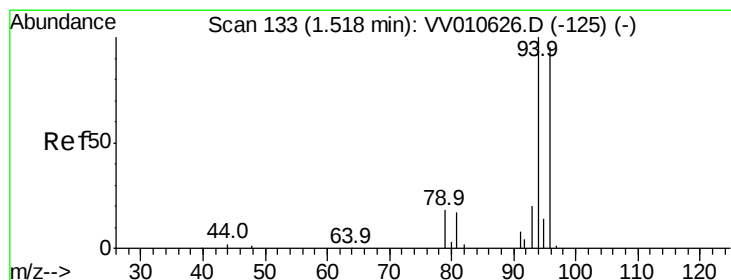
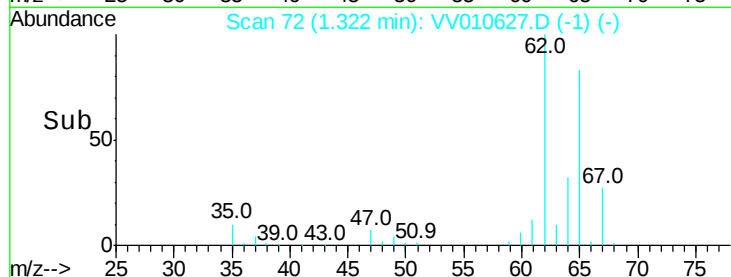
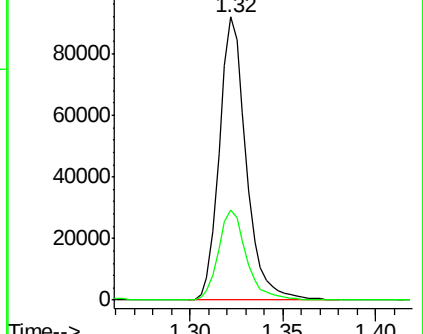
62 100

64 32.0 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 38.782 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010627.D

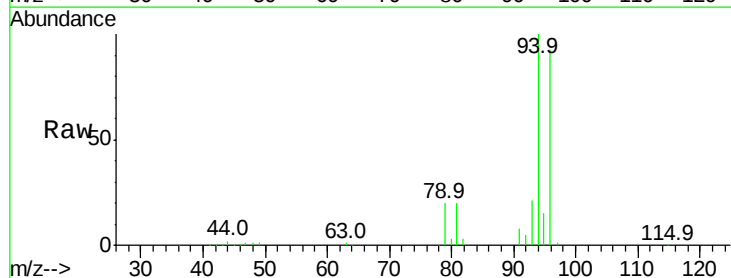
Acq: 02 May 2019 12:50

Tgt Ion: 94 Resp: 47077

Ion Ratio Lower Upper

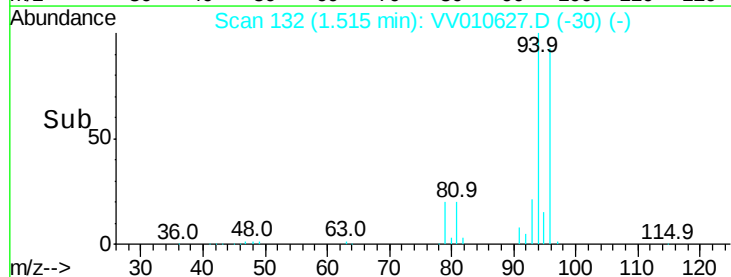
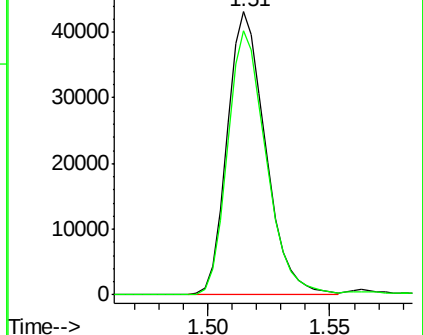
94 100

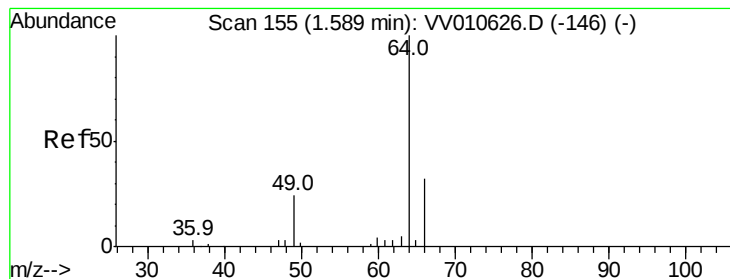
96 93.6 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 37.016 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

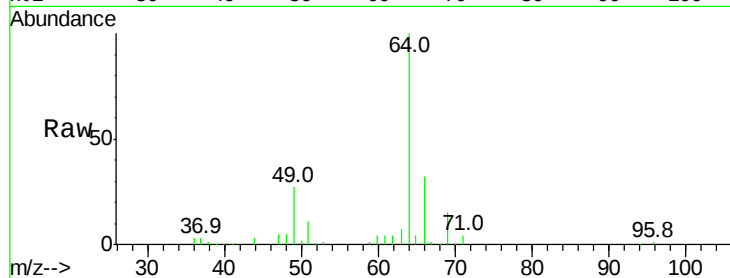
VSTD05063

Tgt Ion: 64 Resp: 48461

Ion Ratio Lower Upper

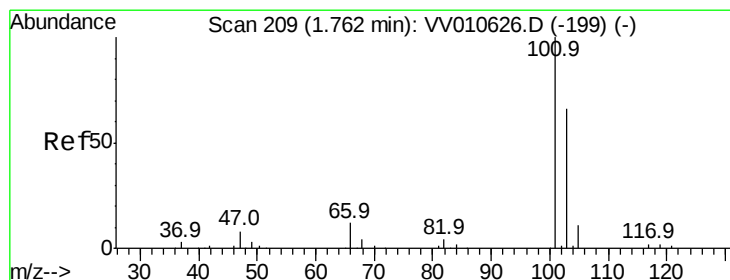
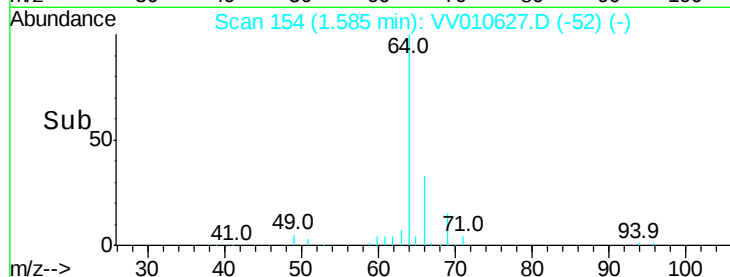
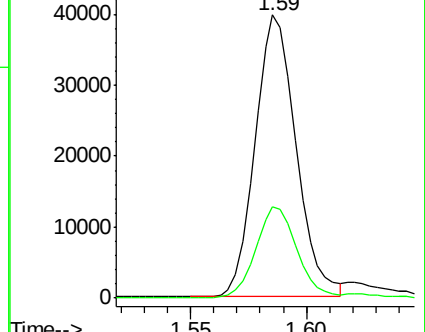
64 100

66 32.1 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV010626.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV010626.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 41.646 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV010627.D

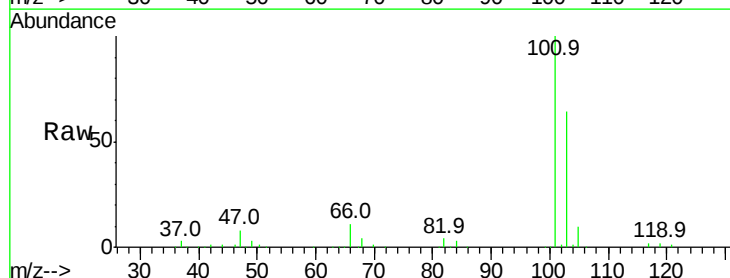
Acq: 02 May 2019 12:50

Tgt Ion: 101 Resp: 165669

Ion Ratio Lower Upper

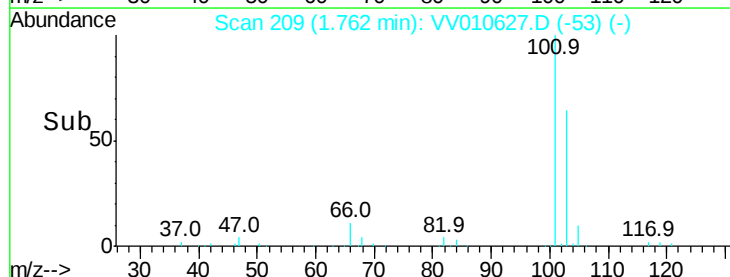
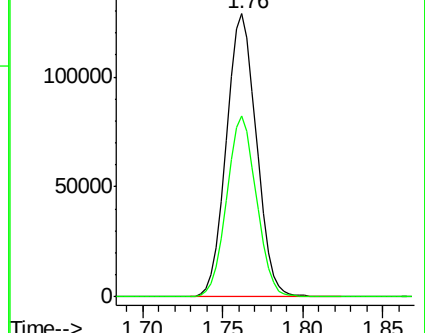
101 100

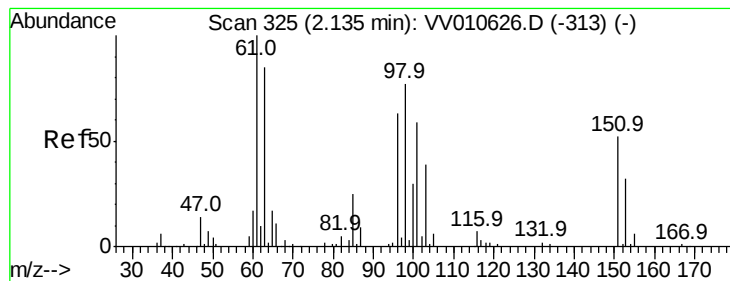
103 63.1 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV010626.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010626.D (-199) (-)





#11

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

Concen: 37.496 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

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ClientSampleId :

VSTD05063

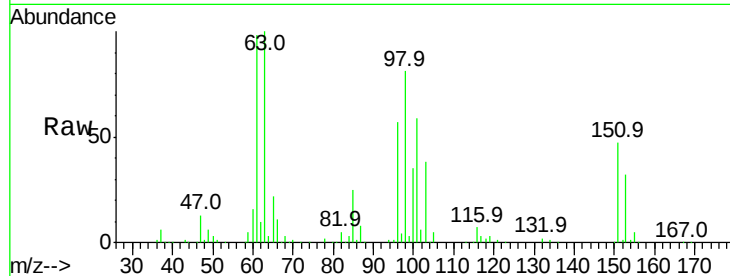
Tgt Ion:101 Resp: 83514

Ion Ratio Lower Upper

101 100

85 43.8 34.6 51.8

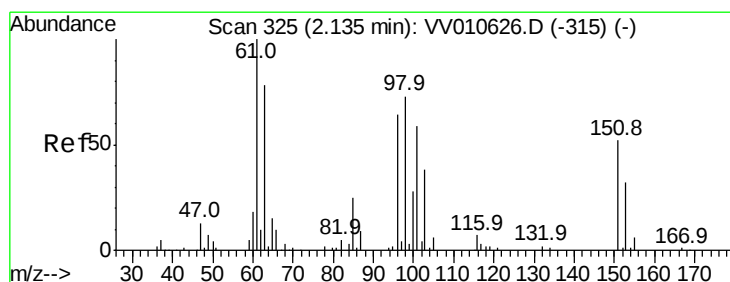
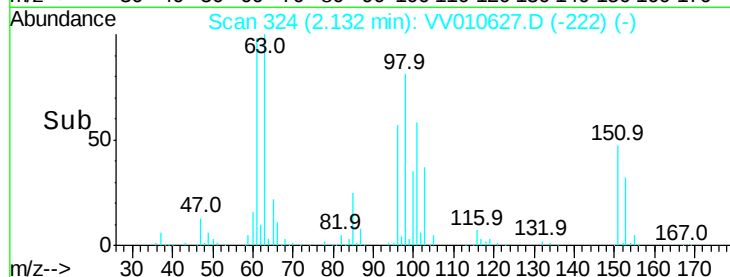
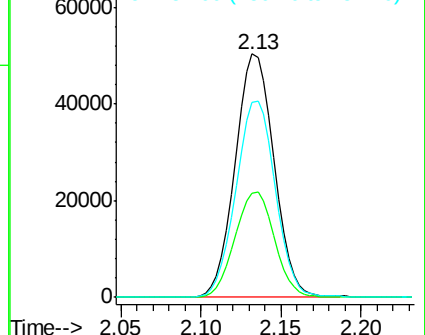
151 81.4 68.6 103.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 37.119 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

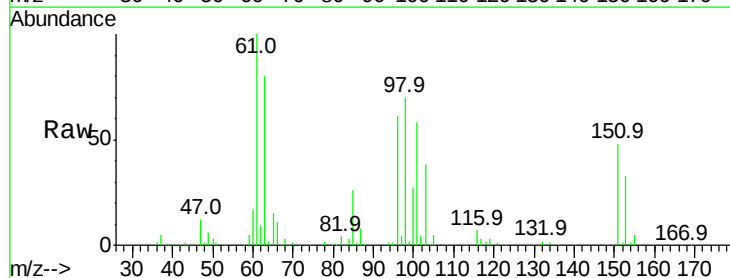
Tgt Ion: 96 Resp: 72792

Ion Ratio Lower Upper

96 100

61 164.7 111.1 206.3

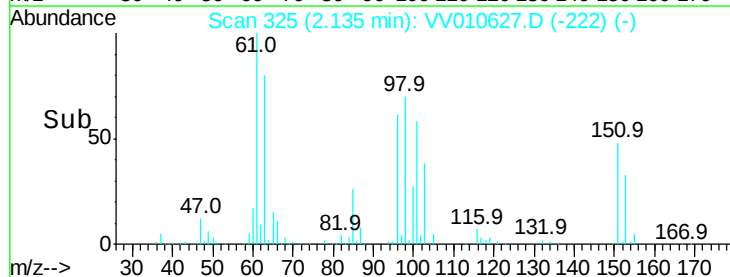
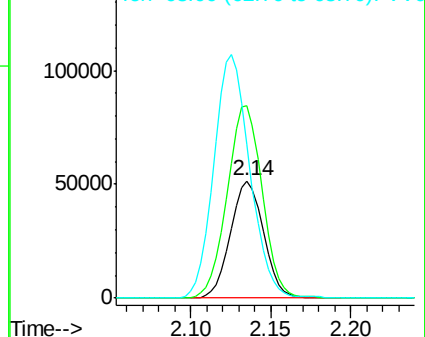
63 131.0 95.2 176.8

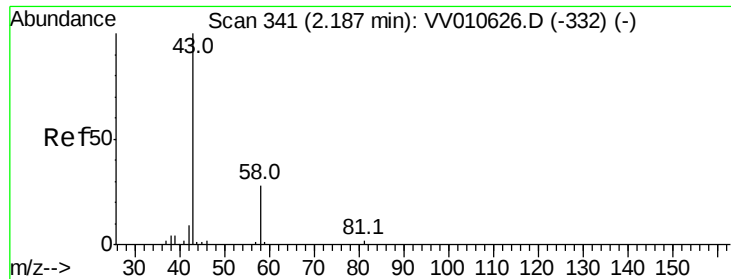


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 81.870 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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ClientSampleId :

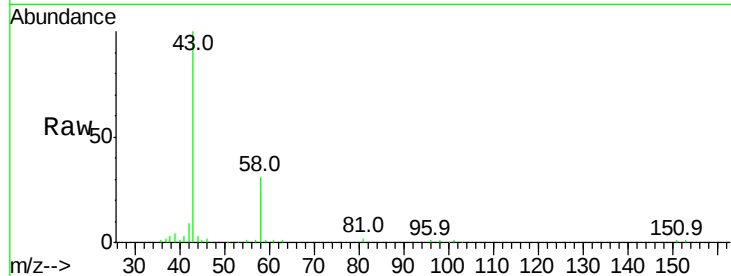
VSTD05063

Tgt Ion: 43 Resp: 44024

Ion Ratio Lower Upper

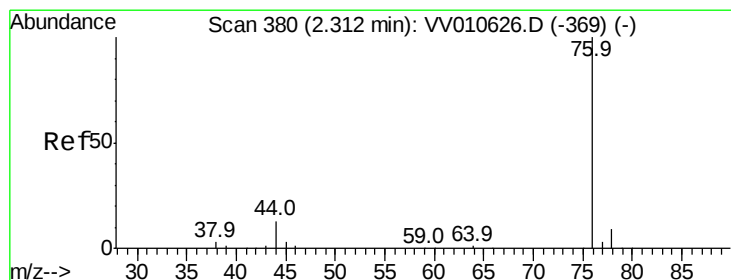
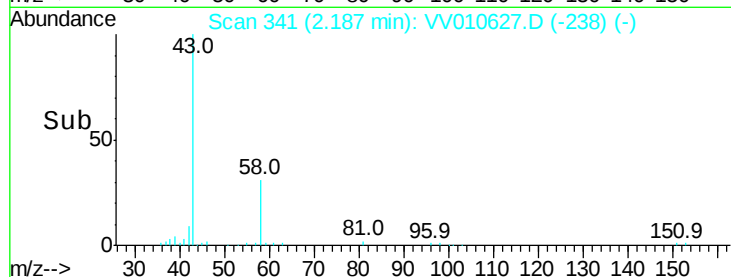
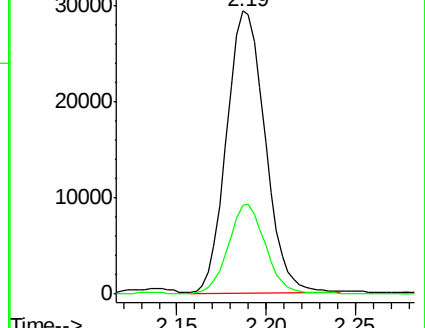
43 100

58 30.6 0.0 58.2



Abundance Ion 43.00 (42.70 to 43.70): VV010627.D (-238) (-)

Ion 58.00 (57.70 to 58.70): VV010627.D (-238) (-)



#14

Carbon disulfide

Concen: 54.155 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV010627.D

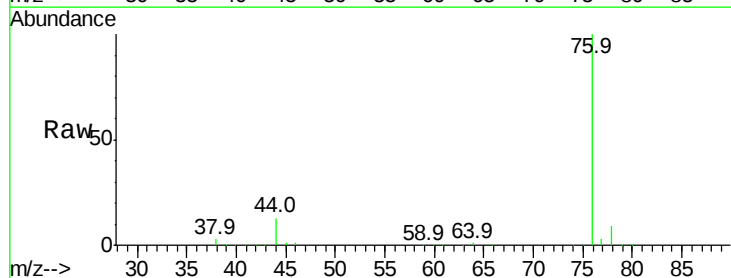
Acq: 02 May 2019 12:50

Tgt Ion: 76 Resp: 237336

Ion Ratio Lower Upper

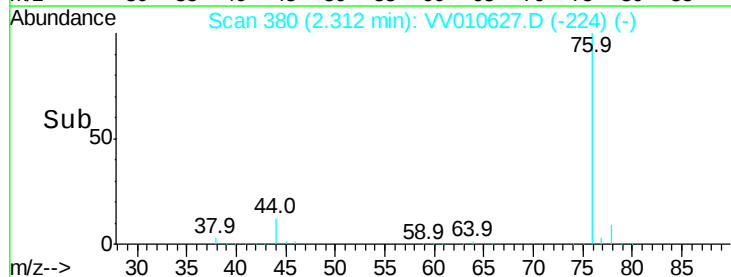
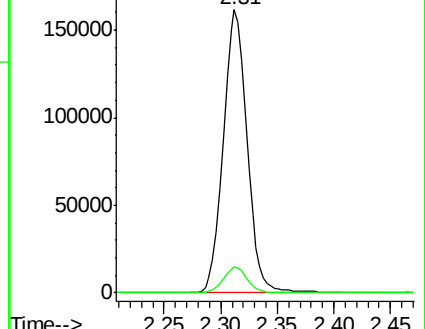
76 100

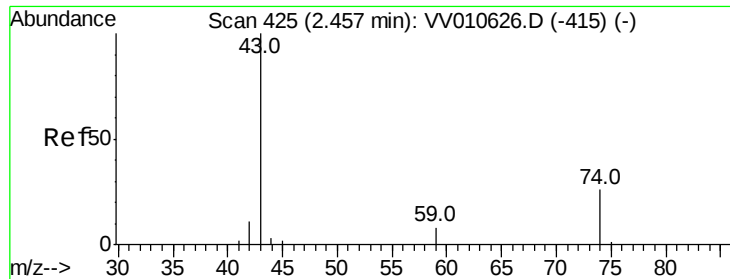
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV010627.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV010627.D (-224) (-)

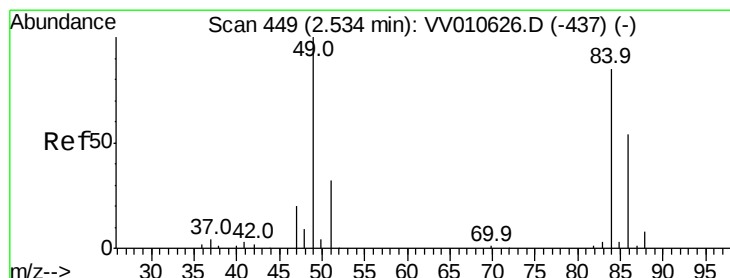
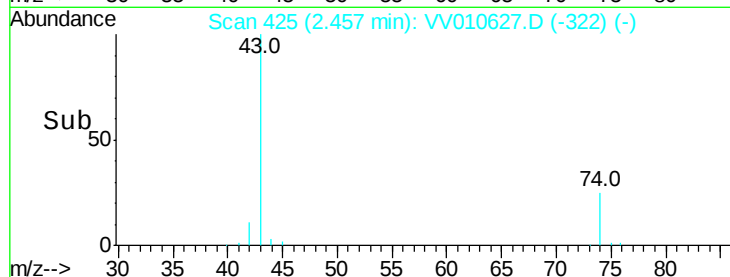
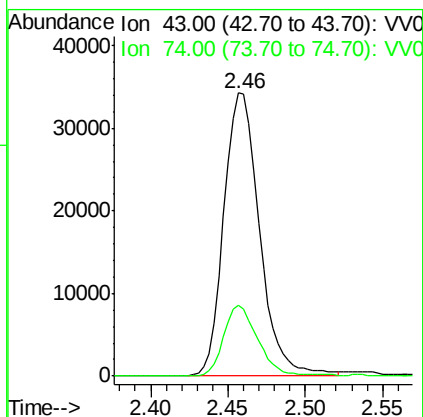
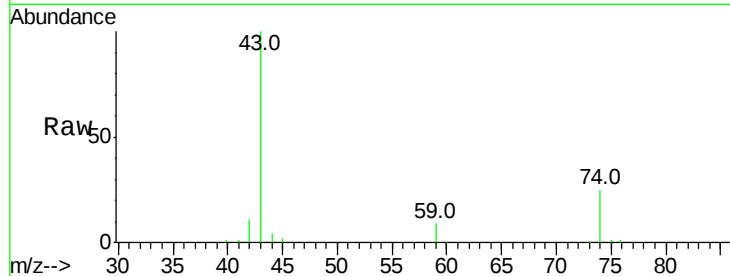




#15
Methyl Acetate
Concen: 68.753 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

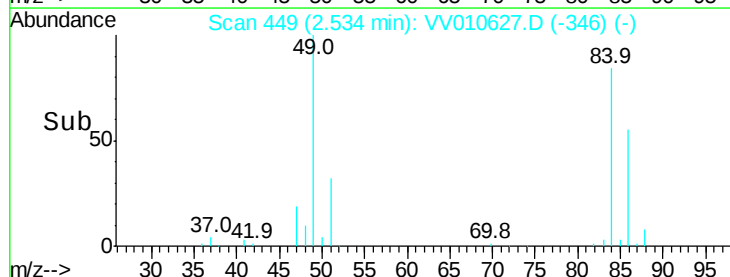
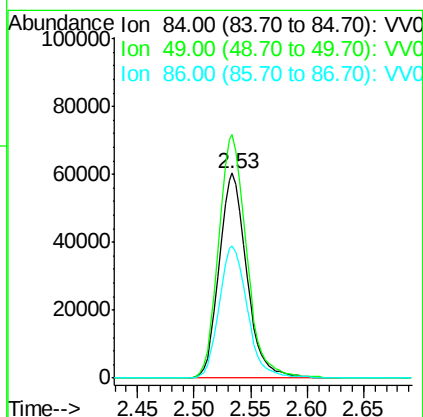
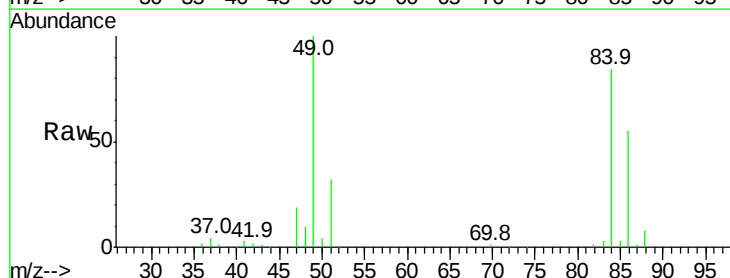
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

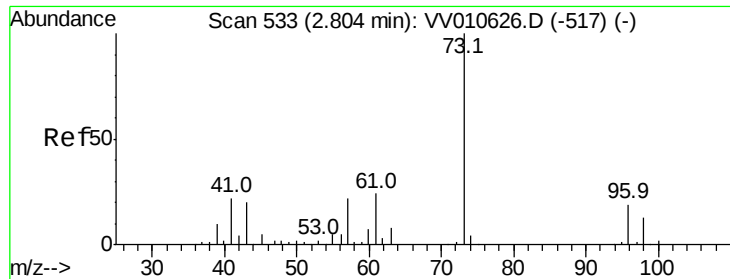
Tgt Ion: 43 Resp: 55029
Ion Ratio Lower Upper
43 100
74 24.1 20.0 30.0



#16
Methylene chloride
Concen: 45.130 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 84 Resp: 103071
Ion Ratio Lower Upper
84 100
49 119.0 81.9 152.1
86 64.9 44.0 81.6

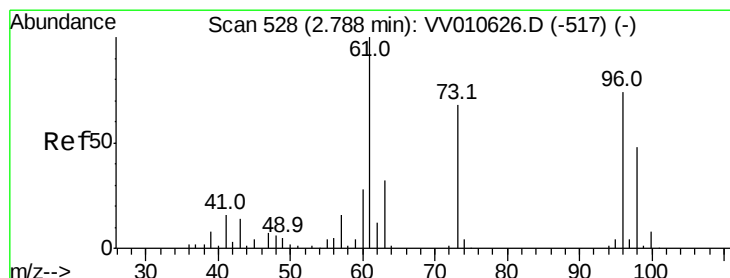
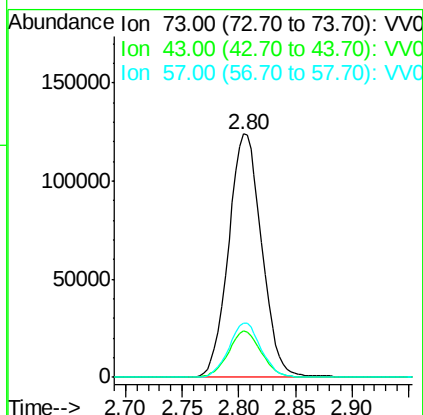
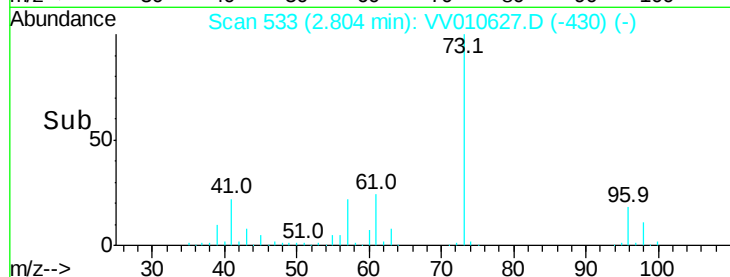
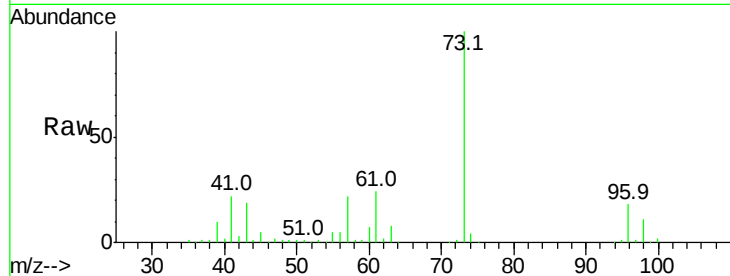




#17
Methyl tert-butyl Ether
Concen: 54.520 ug/L
RT: 2.80 min Scan# 533
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

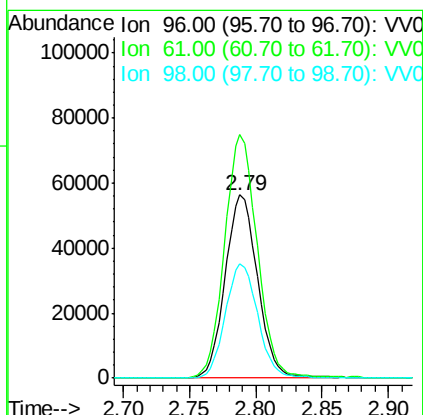
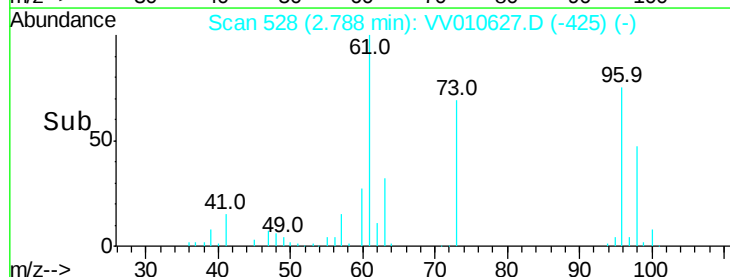
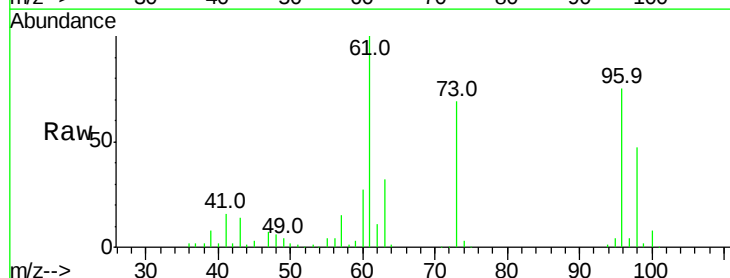
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

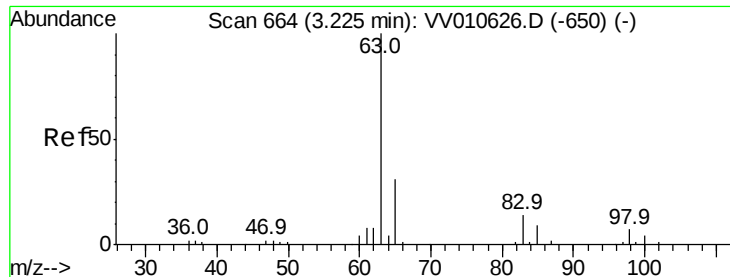
Tgt Ion: 73 Resp: 253451
Ion Ratio Lower Upper
73 100
43 18.9 15.9 23.9
57 21.7 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 55.286 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 96 Resp: 95893
Ion Ratio Lower Upper
96 100
61 133.0 94.6 175.8
98 62.2 45.2 84.0





#19

1,1-Dichloroethane

Concen: 57.152 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampled :

VSTD05063

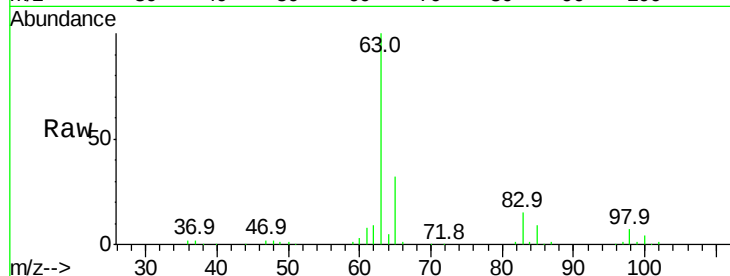
Tgt Ion: 63 Resp: 177148

Ion Ratio Lower Upper

63 100

65 32.0 22.0 40.8

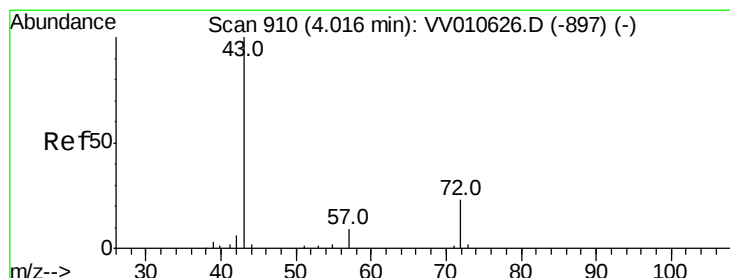
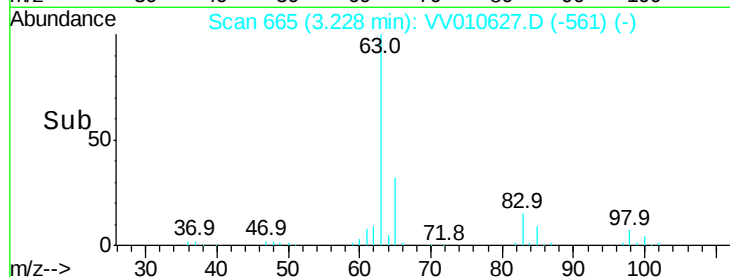
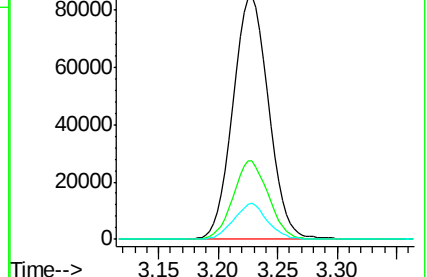
83 14.7 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VV010627.D (-665) (-)

Ion 65.00 (64.70 to 65.70): VV010627.D (-665) (-)

Ion 83.00 (82.70 to 83.70): VV010627.D (-665) (-)



#21

2-Butanone

Concen: 131.362 ug/L

RT: 4.01 min Scan# 909

Delta R.T. -0.00 min

Lab File: VV010627.D

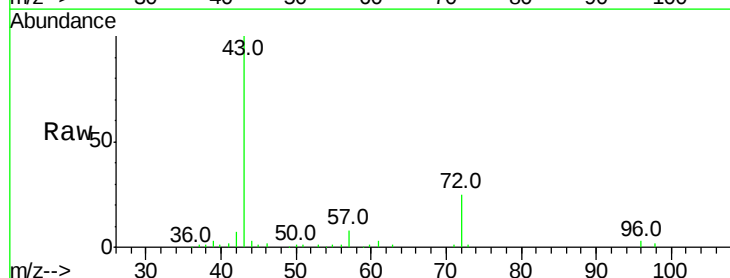
Acq: 02 May 2019 12:50

Tgt Ion: 43 Resp: 75284

Ion Ratio Lower Upper

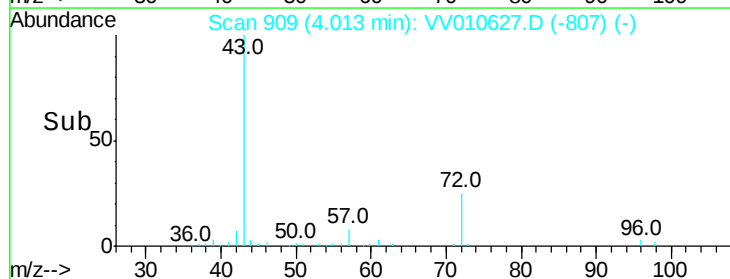
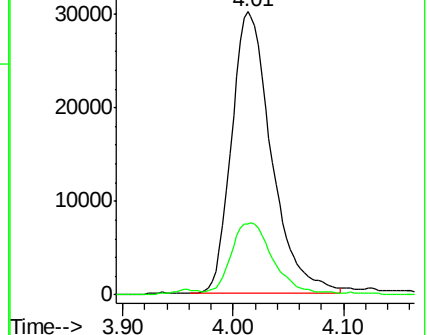
43 100

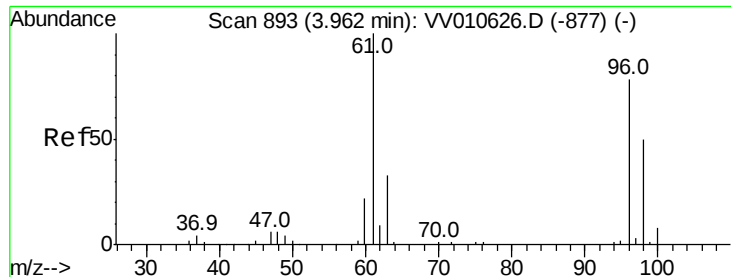
72 25.3 14.2 42.6



Abundance Ion 43.00 (42.70 to 43.70): VV010627.D (-807) (-)

Ion 72.00 (71.70 to 72.70): VV010627.D (-807) (-)



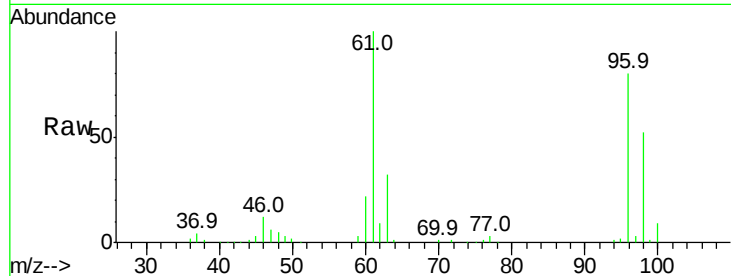


#22

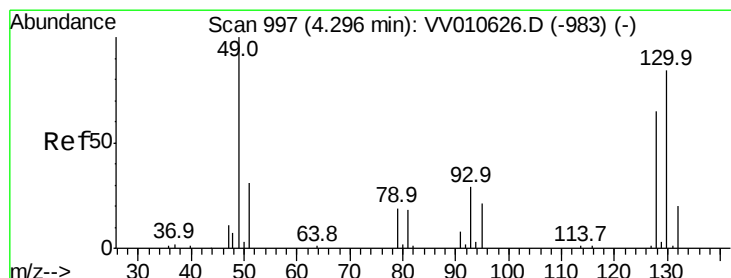
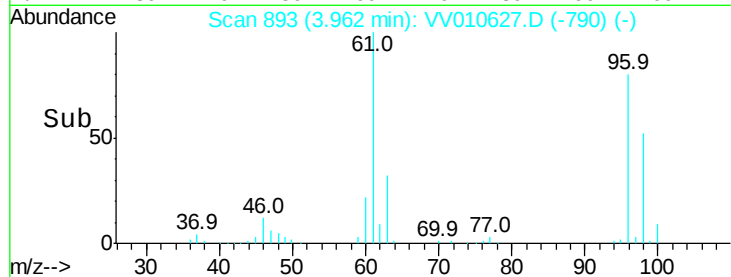
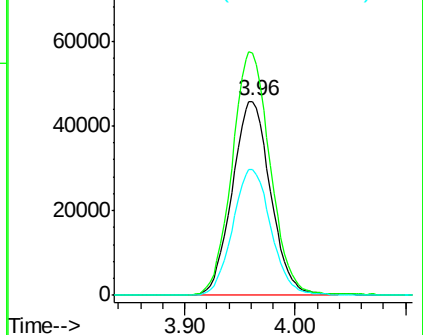
cis-1,2-Dichloroethene
Concen: 56.372 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

Tgt Ion: 96 Resp: 110229
Ion Ratio Lower Upper
96 100
61 124.6 89.6 166.4
98 64.6 44.5 82.7



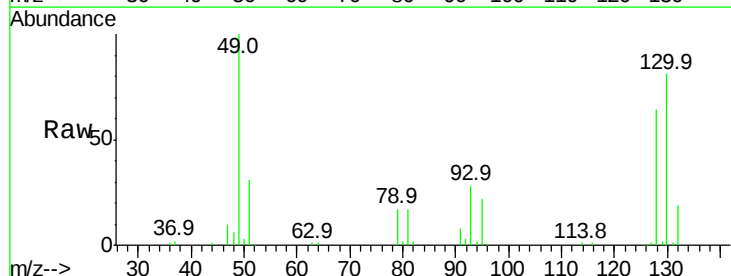
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



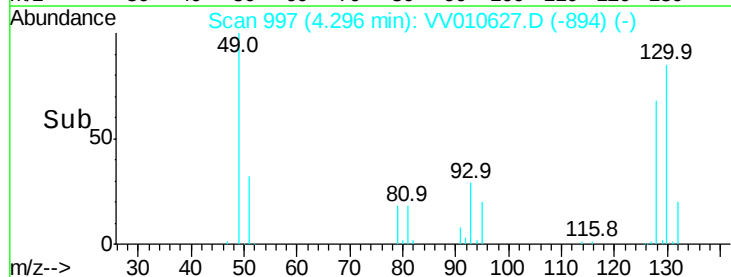
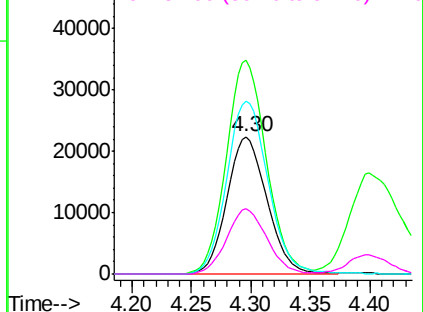
#23

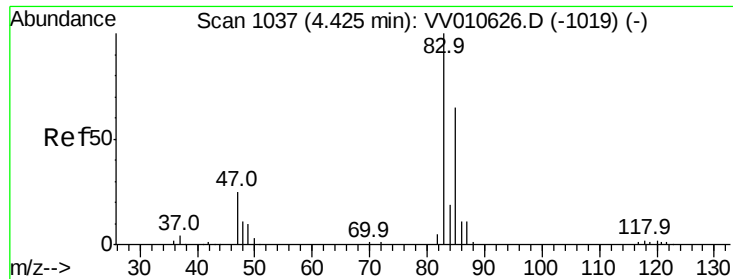
Bromochloromethane
Concen: 55.158 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 128 Resp: 52034
Ion Ratio Lower Upper
128 100
49 155.4 108.0 200.6
130 125.5 89.7 166.7
51 47.5 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

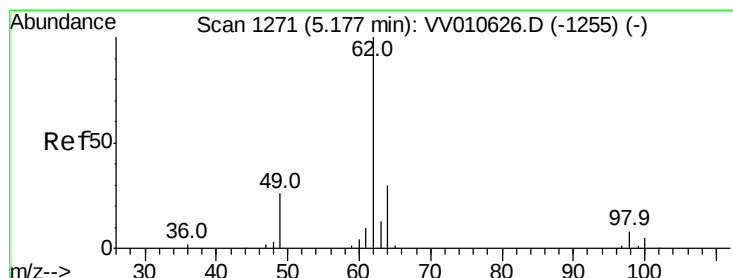
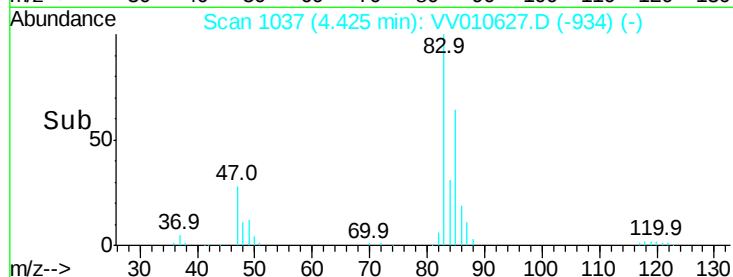
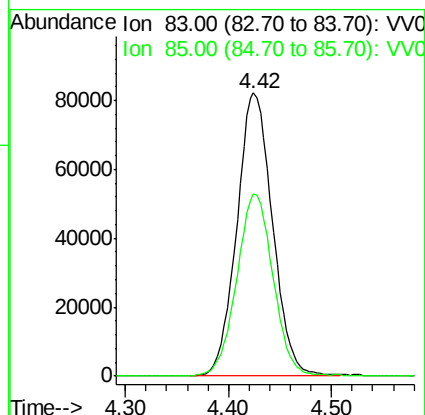
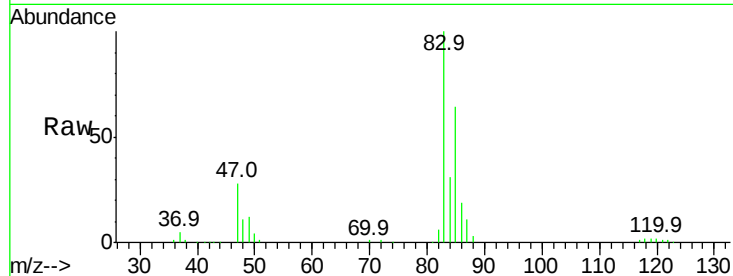




#25
Chloroform
Concen: 53.148 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

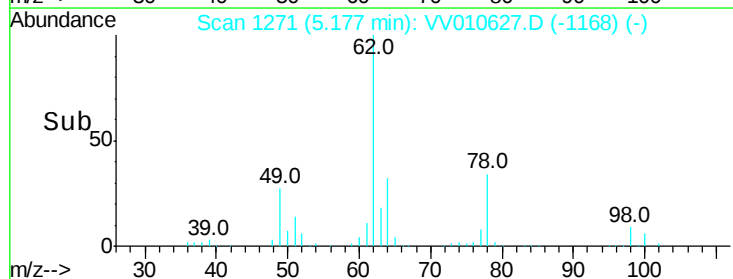
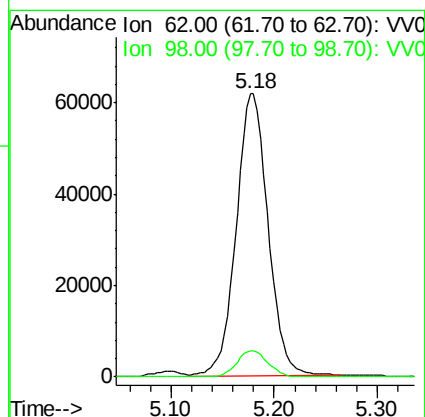
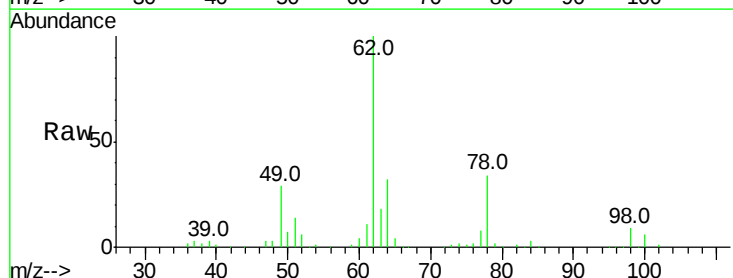
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

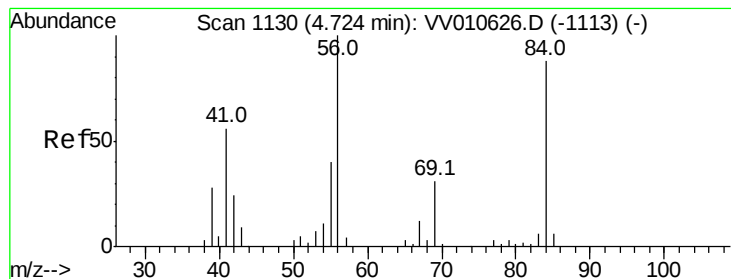
Tgt Ion: 83 Resp: 197935
Ion Ratio Lower Upper
83 100
85 65.6 46.3 86.1



#27
1,2-Dichloroethane
Concen: 50.856 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 62 Resp: 132850
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#30

Cyclohexane

Concen: 51.031 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

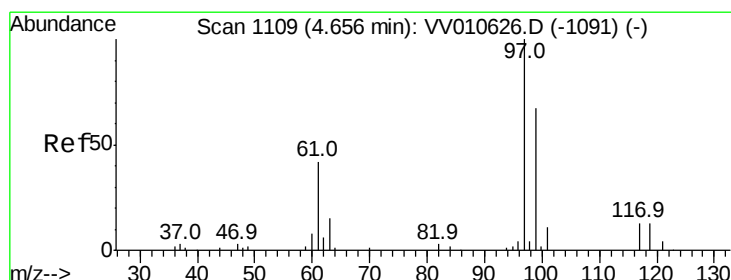
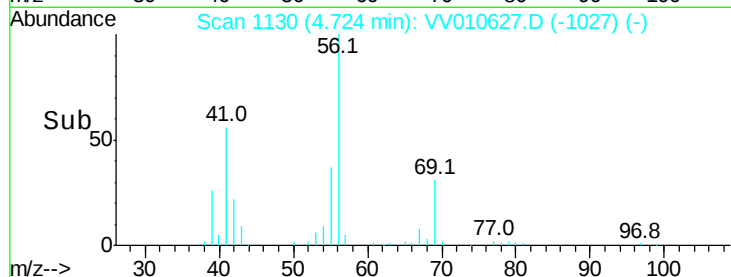
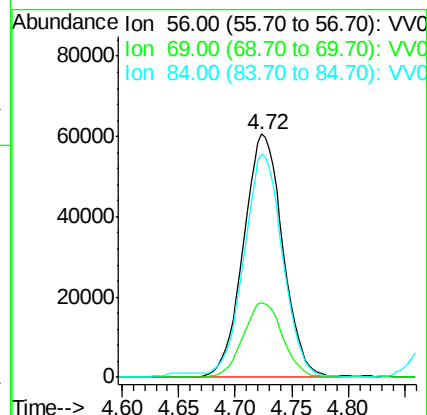
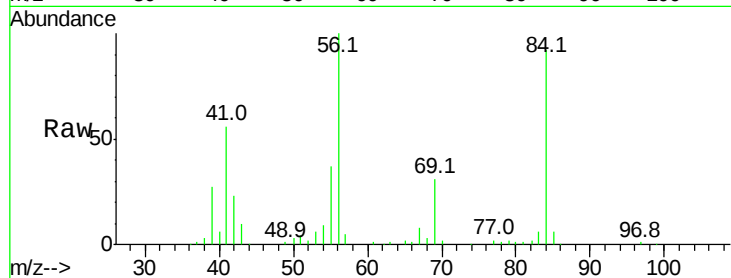
Tgt Ion: 56 Resp: 146672

Ion Ratio Lower Upper

56 100

69 30.9 25.0 37.6

84 90.6 71.6 107.4



#31

1,1,1-Trichloroethane

Concen: 46.508 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

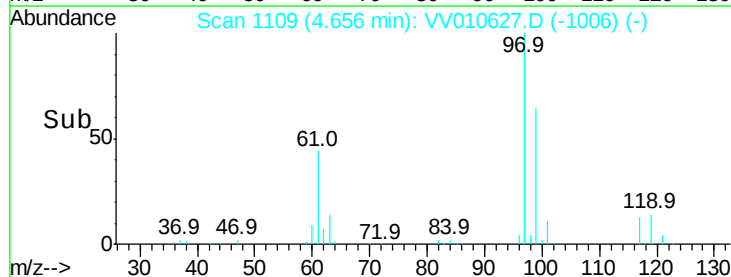
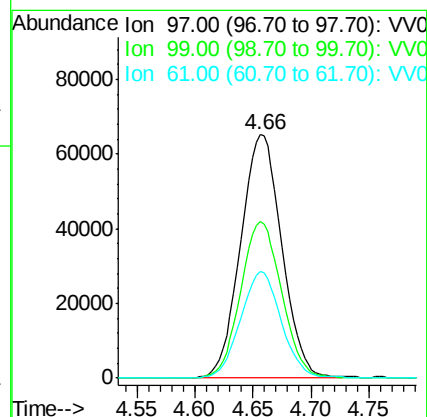
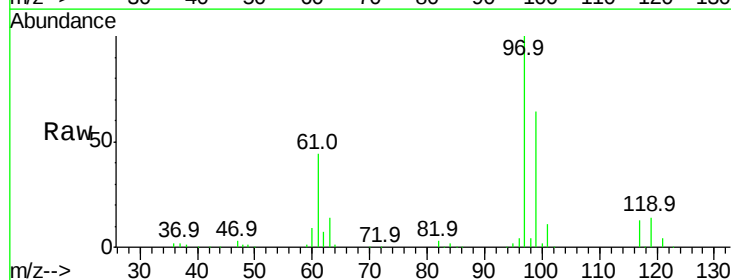
Tgt Ion: 97 Resp: 161259

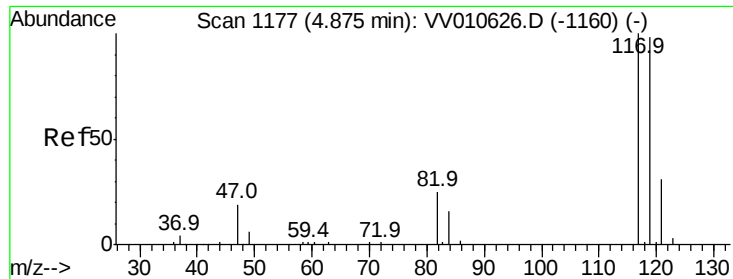
Ion Ratio Lower Upper

97 100

99 64.1 50.3 75.5

61 43.5 34.1 51.1





#32

Carbon tetrachloride

Concen: 44.485 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

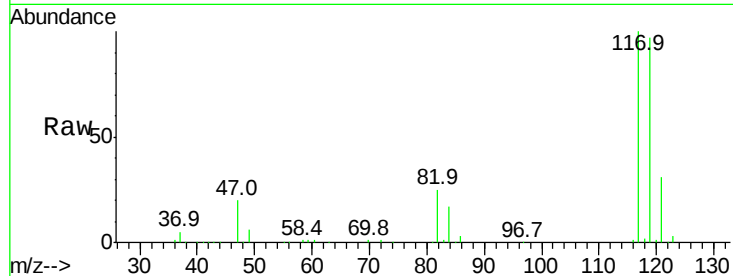
VSTD05063

Tgt Ion:117 Resp: 146197

Ion Ratio Lower Upper

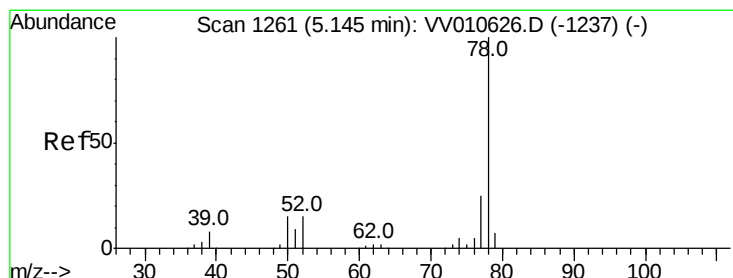
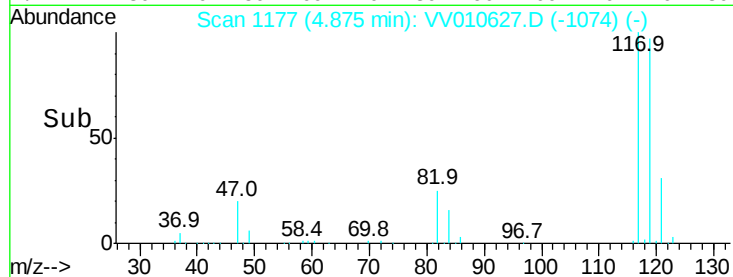
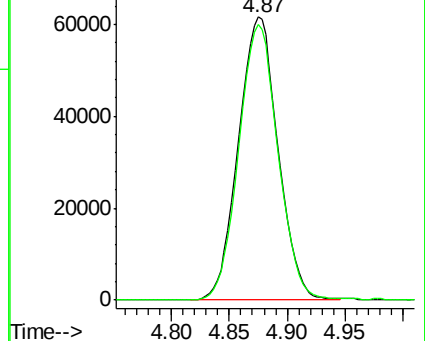
117 100

119 96.5 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 55.369 ug/L

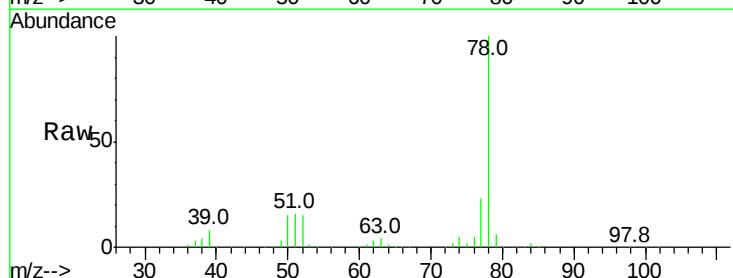
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

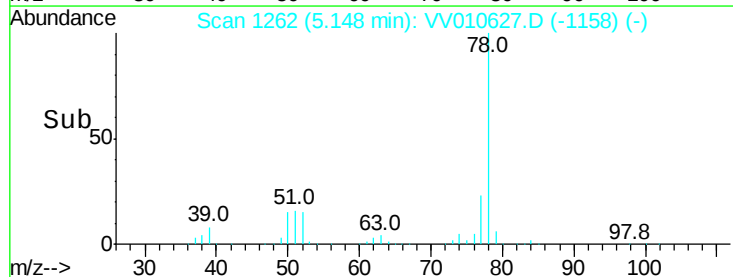
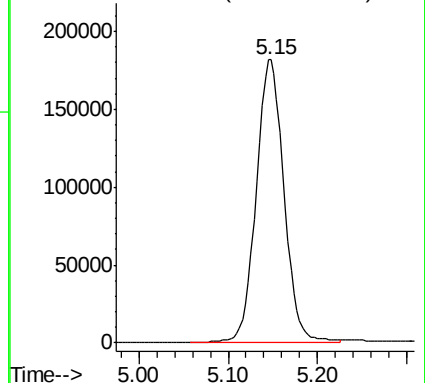
Lab File: VV010627.D

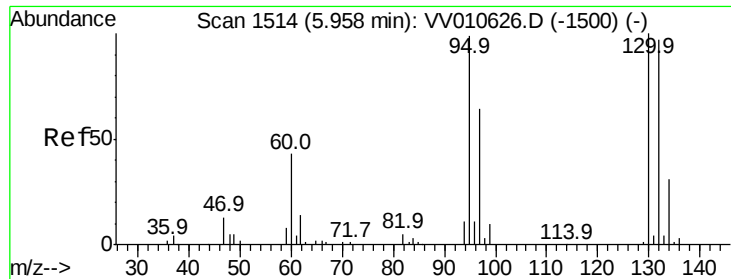
Acq: 02 May 2019 12:50

Tgt Ion: 78 Resp: 397050



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 50.213 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tgt Ion: 95 Resp: 109197

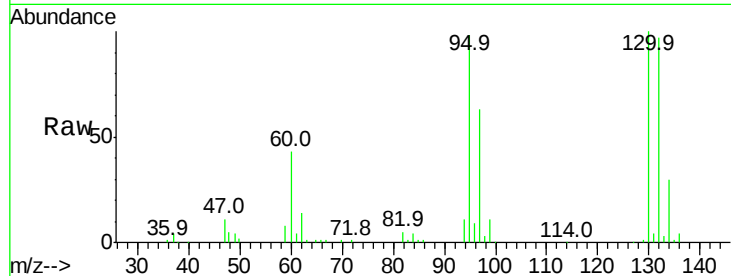
Ion Ratio Lower Upper

95 100

97 64.9 45.0 83.6

132 99.3 69.9 129.9

130 102.9 71.3 132.3

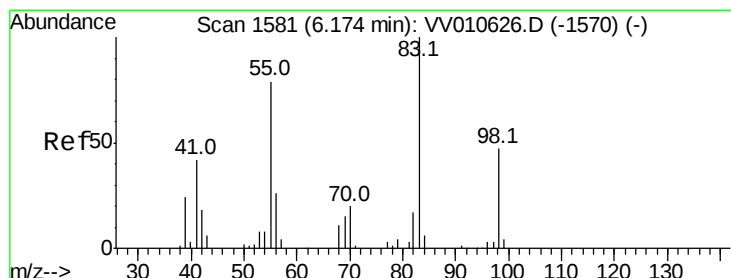
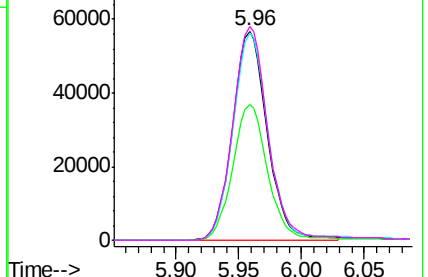
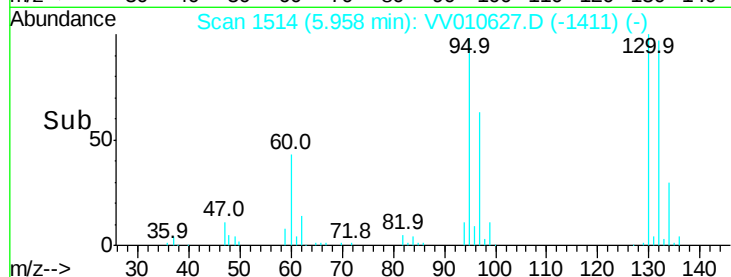


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.795 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

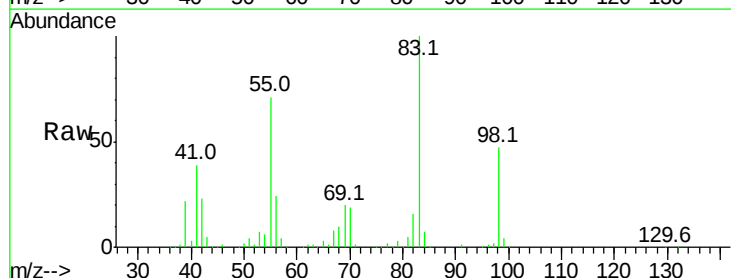
Tgt Ion: 83 Resp: 161773

Ion Ratio Lower Upper

83 100

55 72.7 61.4 92.0

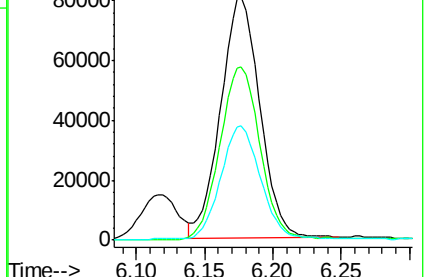
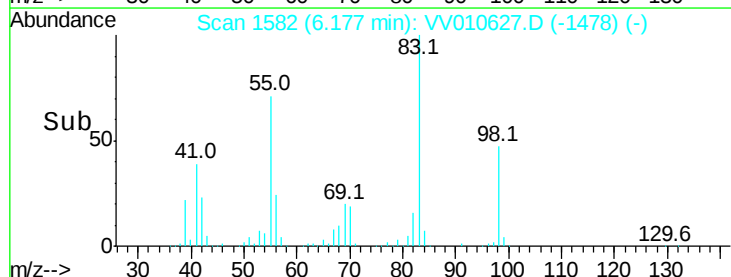
98 47.3 37.4 56.2

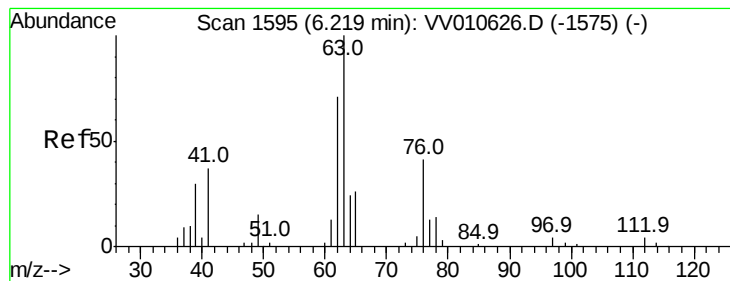


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 59.605 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

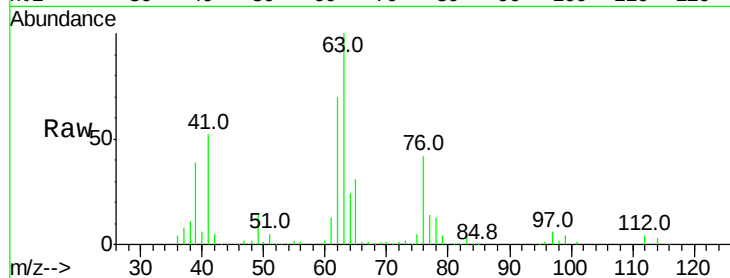
VSTD05063

Tgt Ion: 63 Resp: 105191

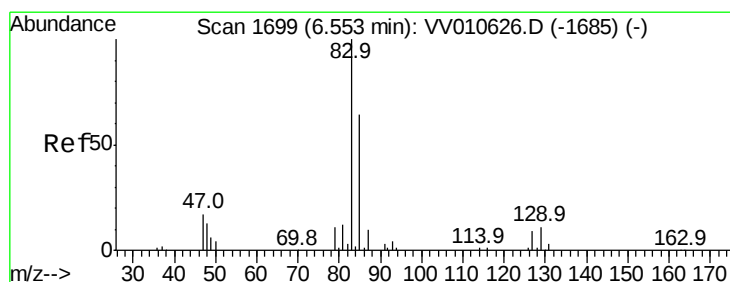
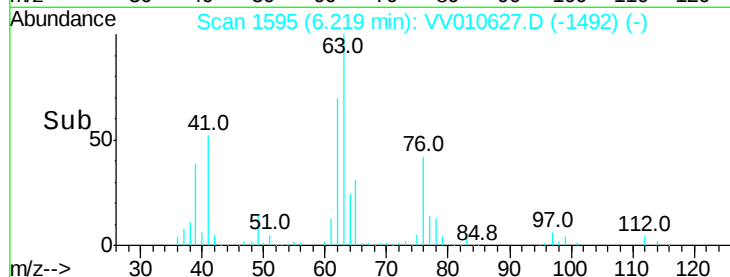
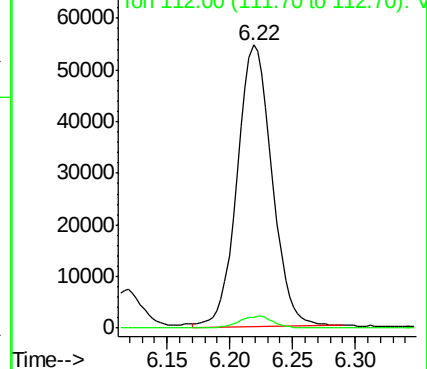
Ion Ratio Lower Upper

63 100

112 4.3 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VV010627.D (-1492) (-)



#41

Bromodichloromethane

Concen: 52.798 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

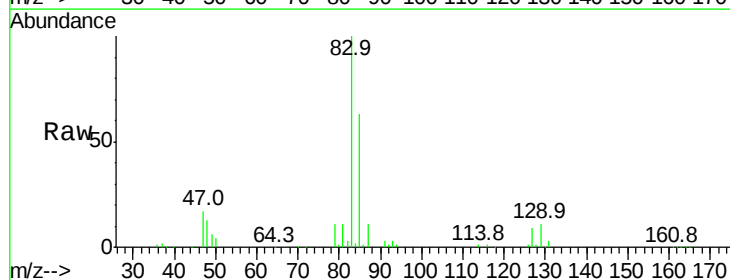
Tgt Ion: 83 Resp: 143719

Ion Ratio Lower Upper

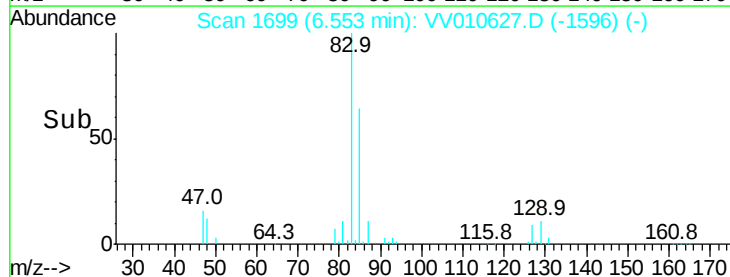
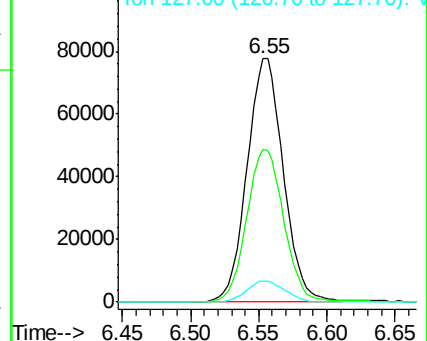
83 100

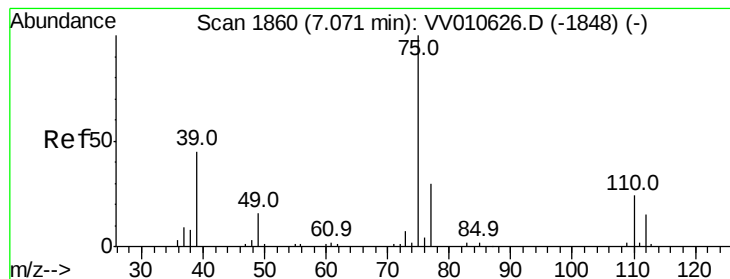
85 62.8 45.1 83.9

127 8.8 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV010627.D (-1596) (-)



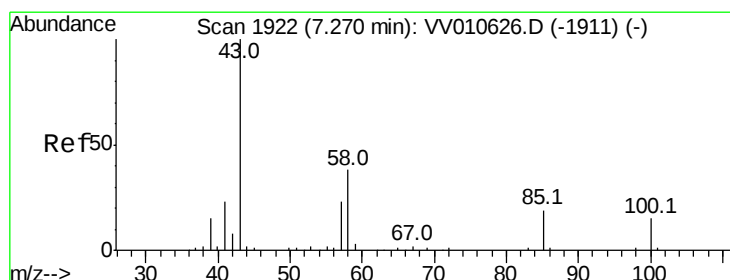
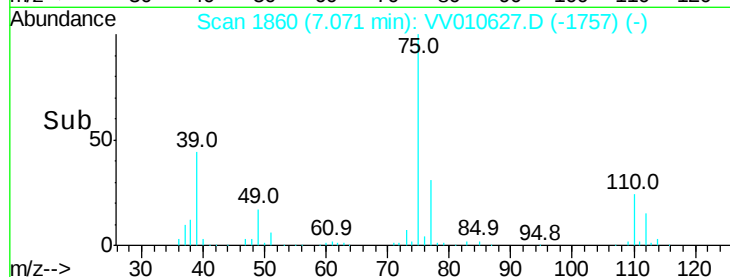
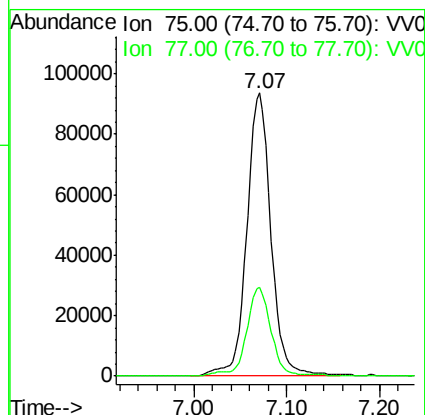
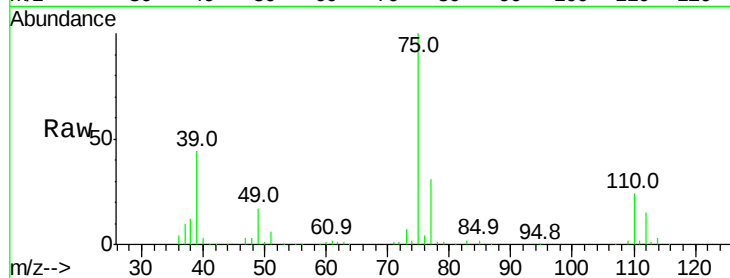


#42

cis-1,3-Dichloropropene
Concen: 58.242 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Instrument :
MSVOA_V
ClientSampled :
VSTD05063

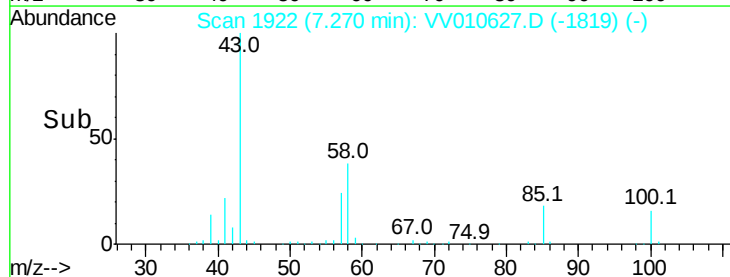
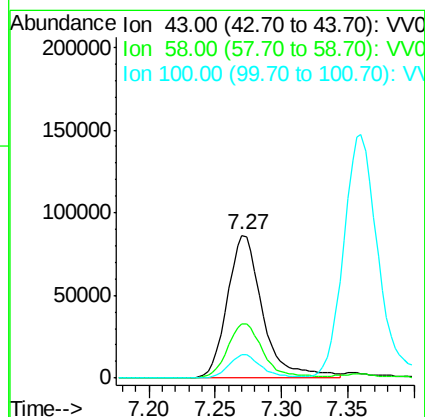
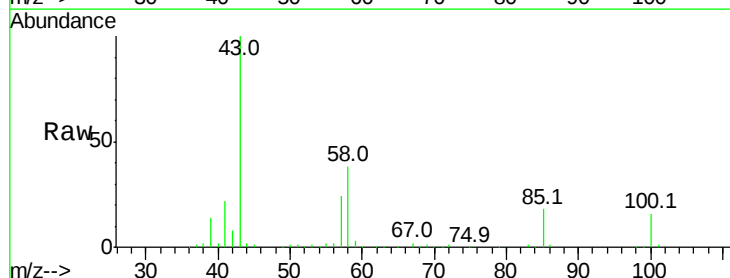
Tgt Ion: 75 Resp: 169735
Ion Ratio Lower Upper
75 100
77 31.4 21.8 40.4

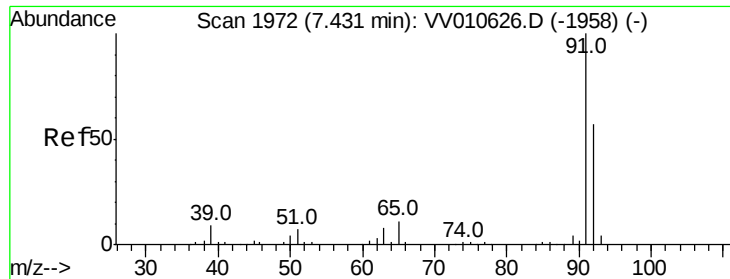


#43

4-Methyl-2-pentanone
Concen: 122.451 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 43 Resp: 160486
Ion Ratio Lower Upper
43 100
58 38.3 29.6 44.4
100 15.4 11.2 16.8





#44

Toluene

Concen: 53.199 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

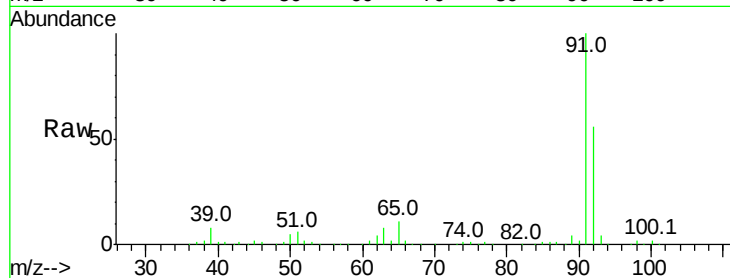
VSTD05063

Tgt Ion: 91 Resp: 461010

Ion Ratio Lower Upper

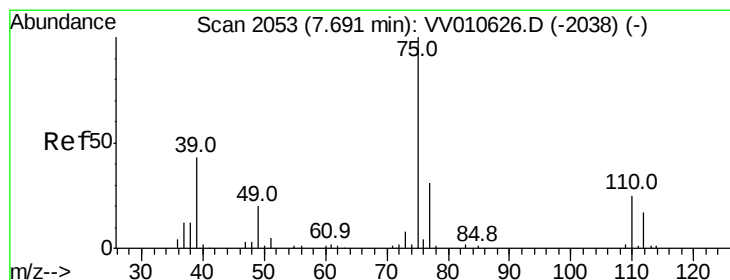
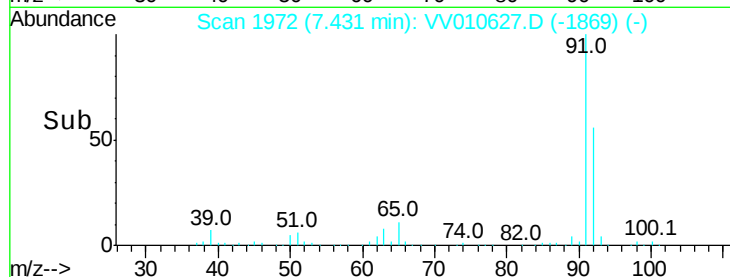
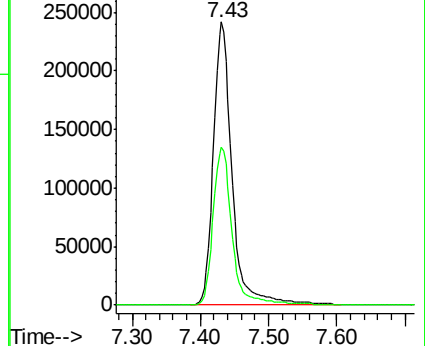
91 100

92 55.6 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

trans-1,3-Dichloropropene

Concen: 54.438 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010627.D

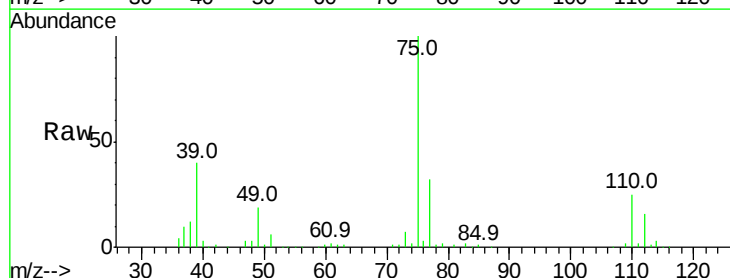
Acq: 02 May 2019 12:50

Tgt Ion: 75 Resp: 144855

Ion Ratio Lower Upper

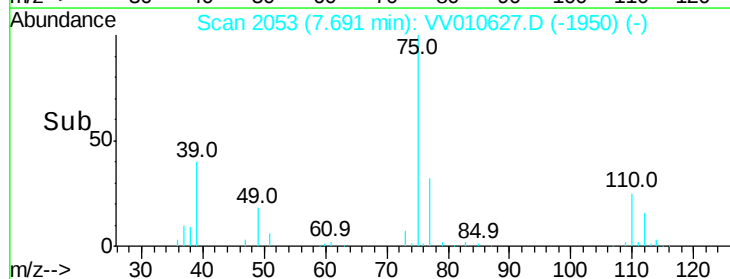
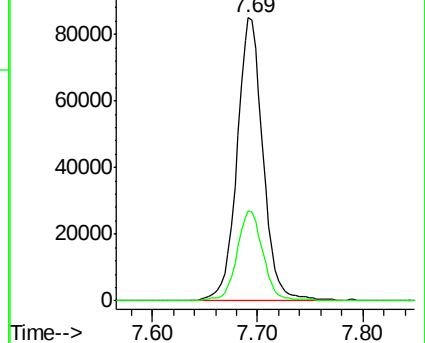
75 100

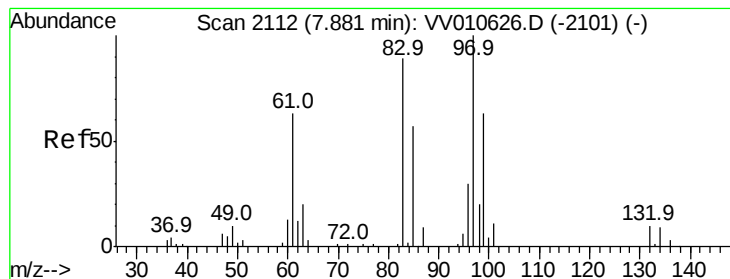
77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#46

1,1,2-Trichloroethane

Concen: 58.071 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tgt Ion: 97 Resp: 91916

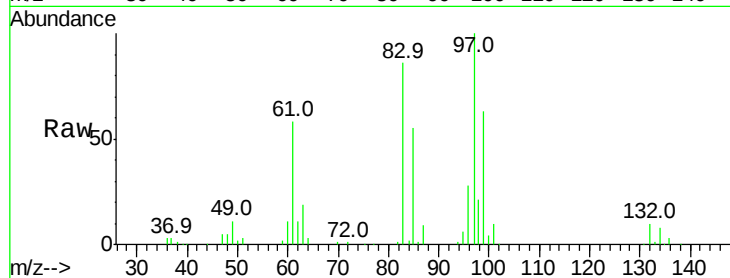
Ion Ratio Lower Upper

97 100

83 85.7 62.1 115.3

85 54.7 39.8 74.0

99 63.4 44.2 82.0



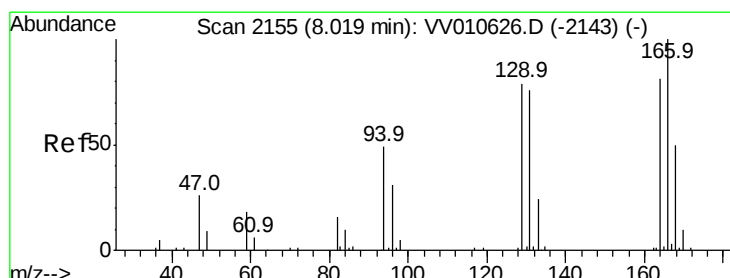
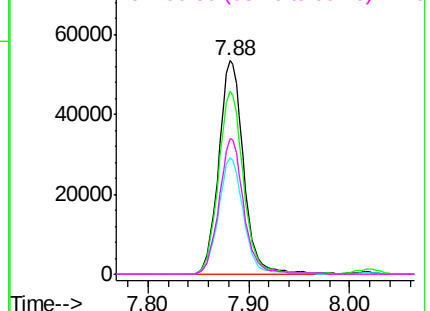
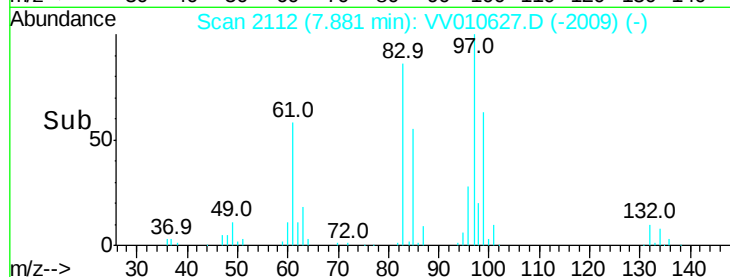
Abundance

Ion 97.00 (96.70 to 97.70): VV010627.D (-2101) (-)

Ion 83.00 (82.70 to 83.70): VV010627.D (-2101) (-)

Ion 85.00 (84.70 to 85.70): VV010627.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV010627.D (-2101) (-)



#47

Tetrachloroethene

Concen: 44.705 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Tgt Ion: 164 Resp: 86292

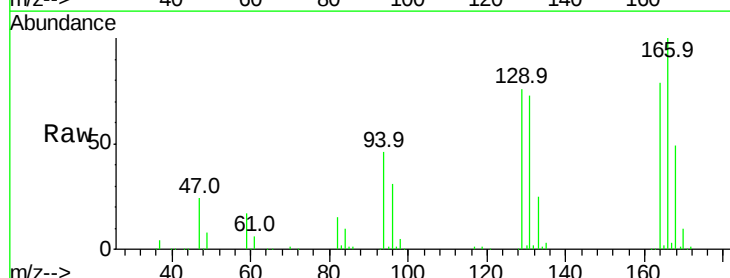
Ion Ratio Lower Upper

164 100

129 96.2 67.5 125.4

131 92.6 65.1 120.9

166 126.2 86.0 159.6



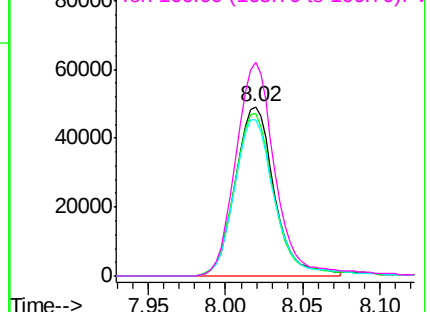
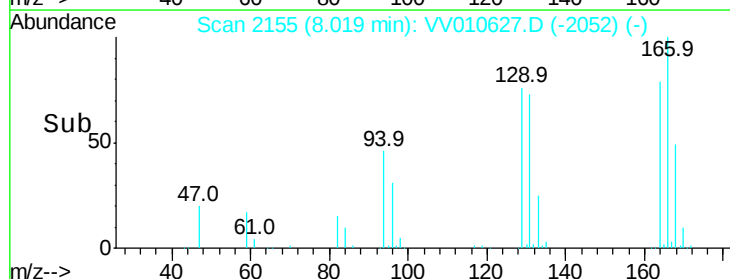
Abundance

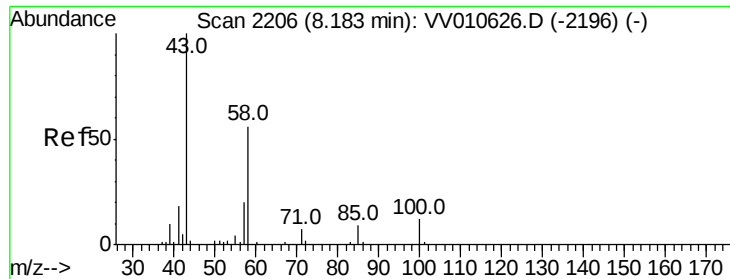
Ion 164.00 (163.70 to 164.70): VV010627.D (-2143) (-)

Ion 129.00 (128.70 to 129.70): VV010627.D (-2143) (-)

Ion 131.00 (130.70 to 131.70): VV010627.D (-2143) (-)

Ion 166.00 (165.70 to 166.70): VV010627.D (-2143) (-)





#49

2-Hexanone

Concen: 137.487 ug/L

RT: 8.18 min Scan# 2205

Delta R.T. -0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

Tgt Ion: 43 Resp: 127928

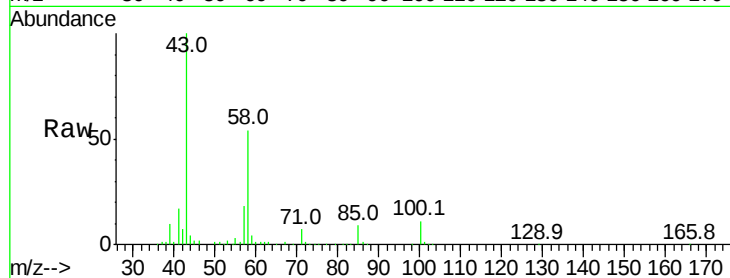
Ion Ratio Lower Upper

43 100

58 51.2 42.5 63.7

57 16.6 14.4 21.6

100 11.0 10.0 15.0



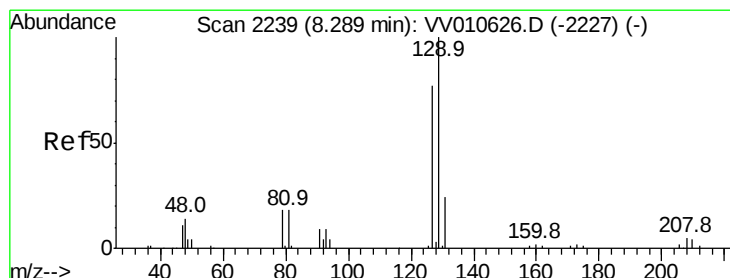
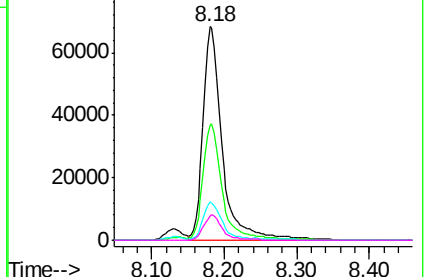
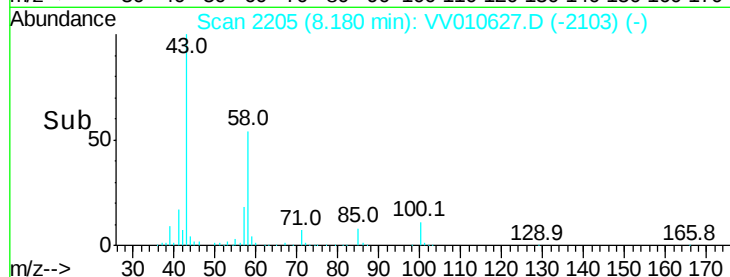
Abundance Ion 43.00 (42.70 to 43.70): VV0

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

Time-->



#50

Dibromochloromethane

Concen: 52.606 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV010627.D

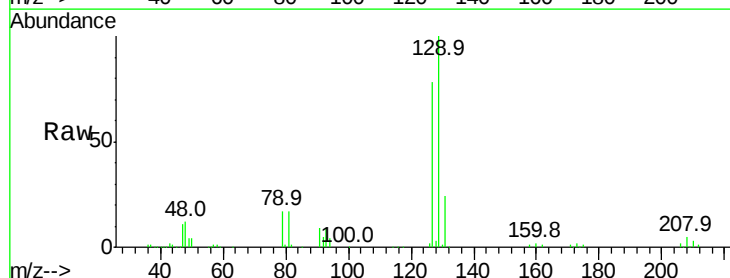
Acq: 02 May 2019 12:50

Tgt Ion: 129 Resp: 112248

Ion Ratio Lower Upper

129 100

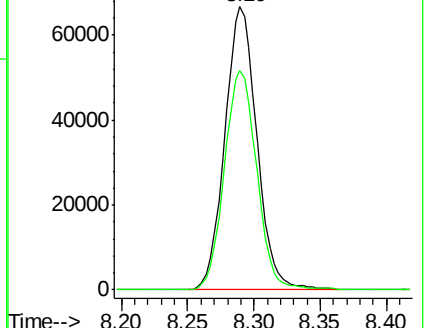
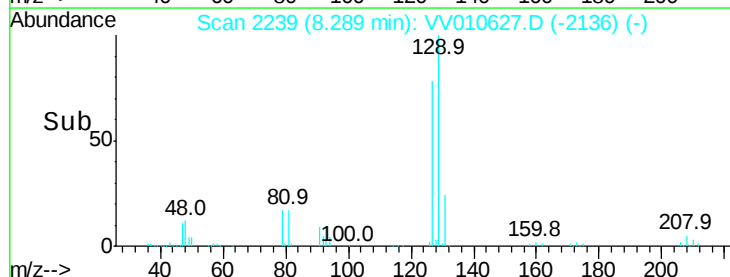
127 77.6 53.9 100.1

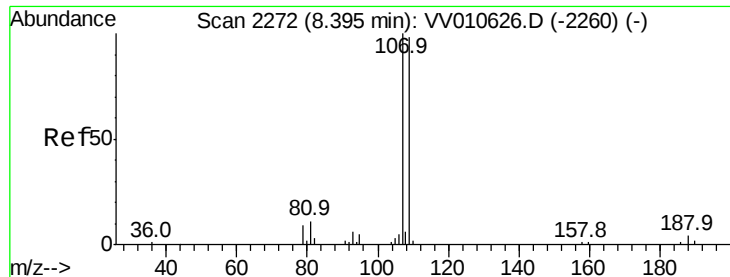


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

Time-->

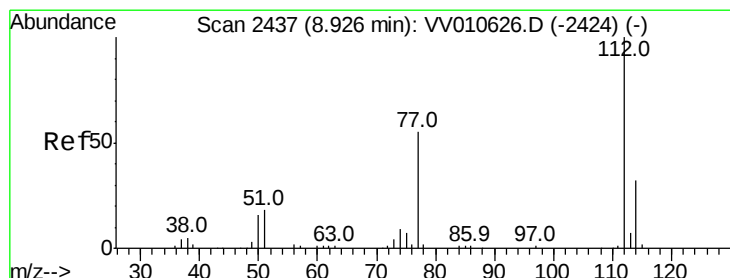
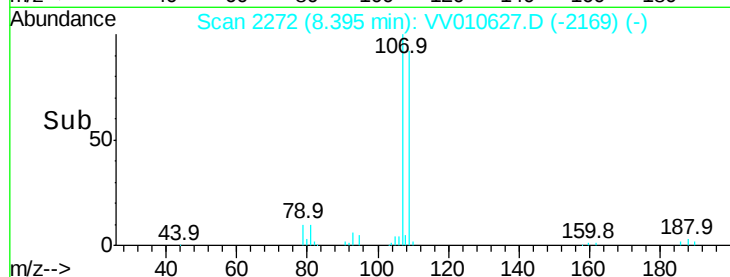
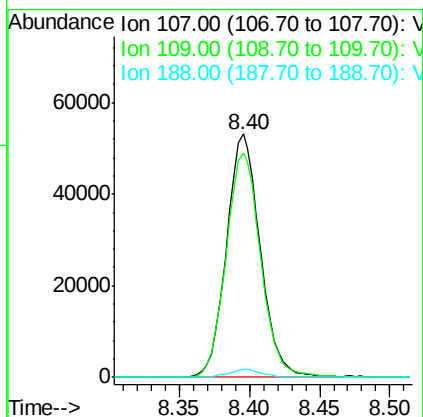
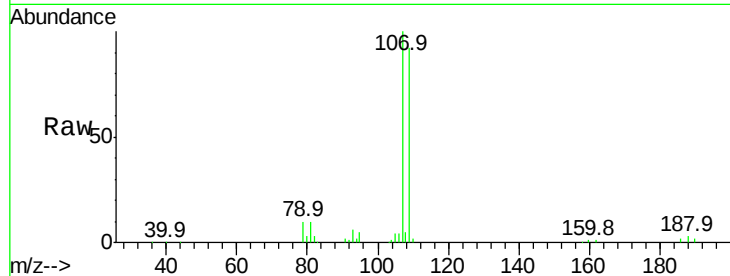




#51
 1,2-Dibromoethane
 Concen: 53.581 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

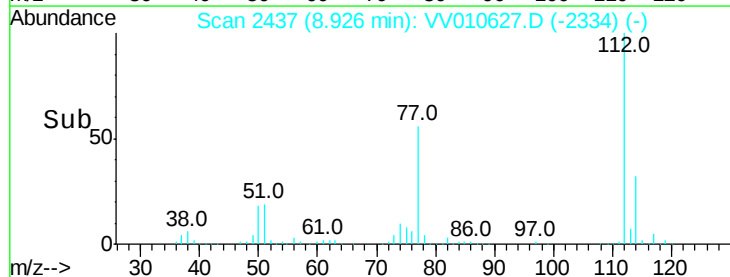
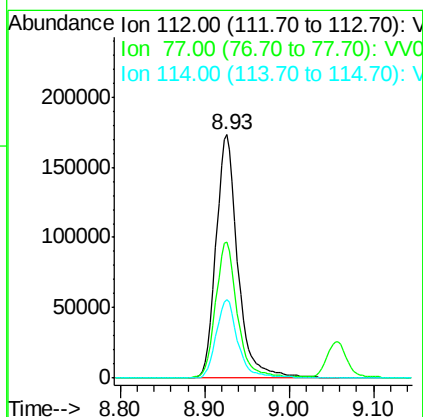
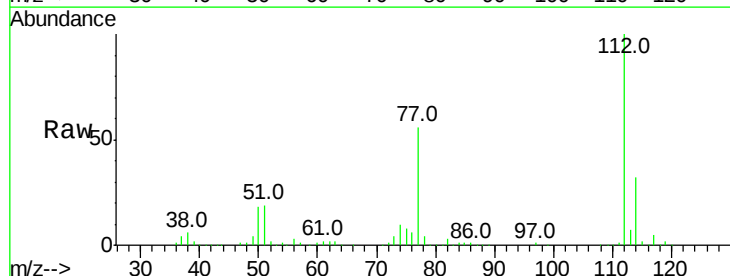
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

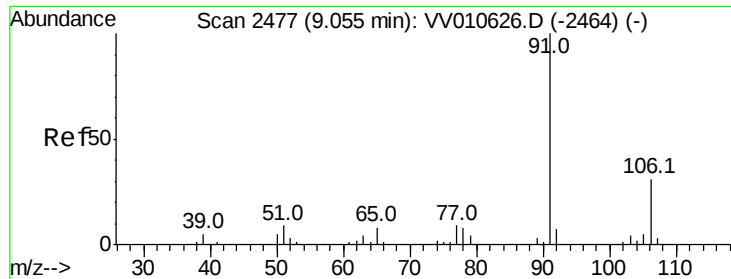
Tgt Ion:107 Resp: 88985
 Ion Ratio Lower Upper
 107 100
 109 92.0 68.7 127.7
 188 3.2 3.0 4.4



#52
 Chlorobenzene
 Concen: 51.366 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

Tgt Ion:112 Resp: 312065
 Ion Ratio Lower Upper
 112 100
 77 56.1 44.5 66.7
 114 32.5 22.5 41.7

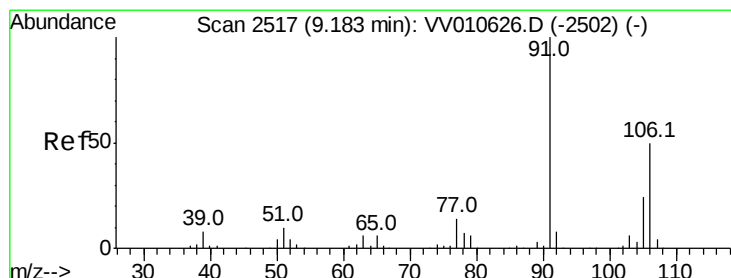
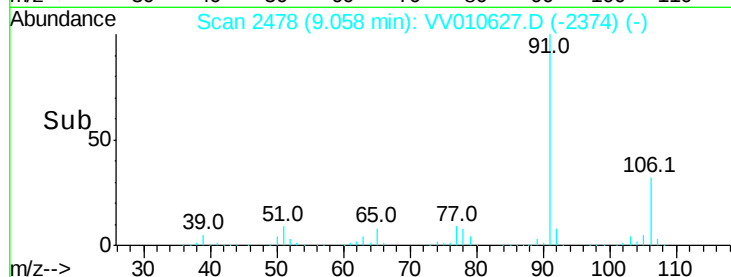
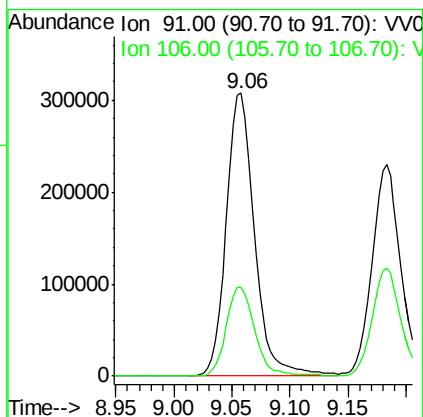
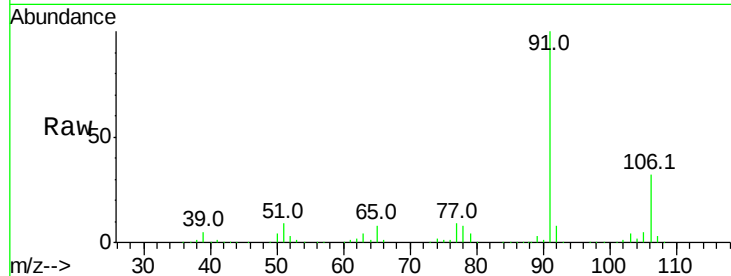




#53
Ethylbenzene
Concen: 51.418 ug/L
RT: 9.06 min Scan# 2478
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

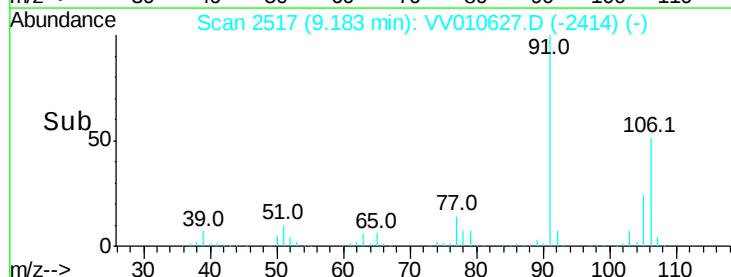
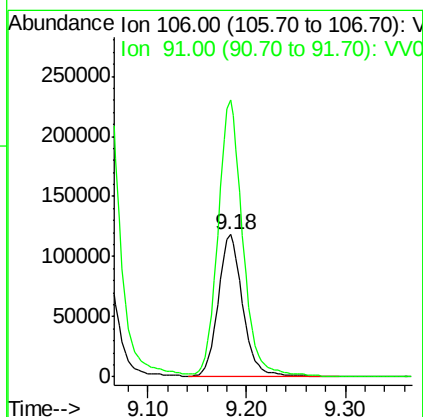
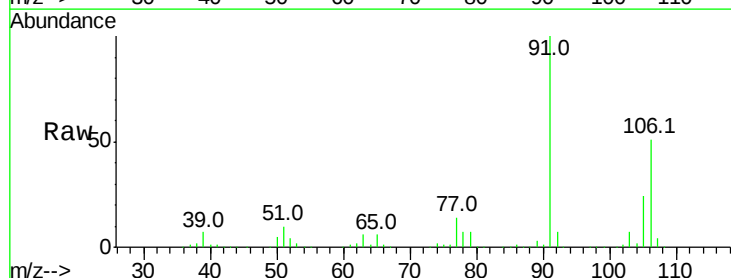
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

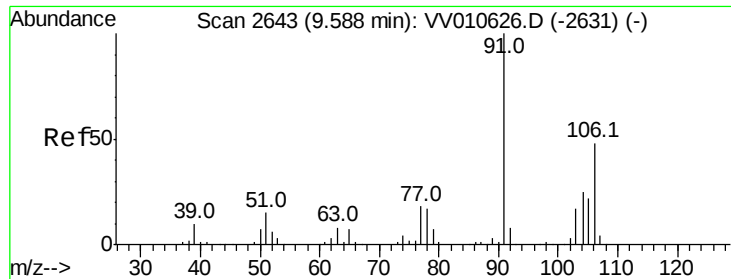
Tgt Ion: 91 Resp: 520967
Ion Ratio Lower Upper
91 100
106 31.6 22.0 41.0



#54
m,p-Xylene
Concen: 52.358 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion: 106 Resp: 207963
Ion Ratio Lower Upper
106 100
91 194.9 140.4 260.8

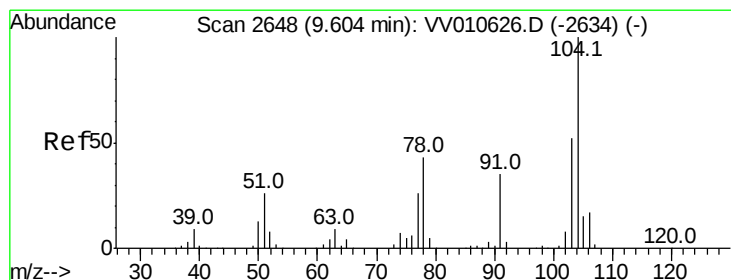
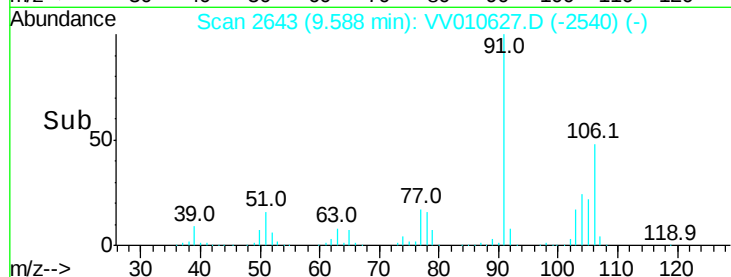
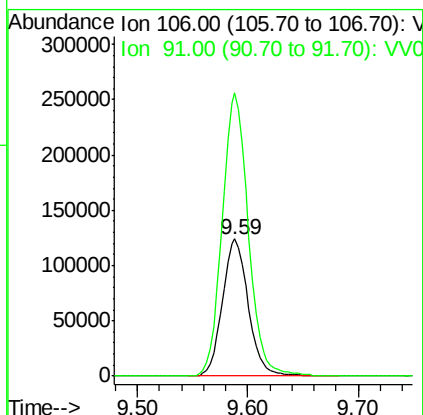
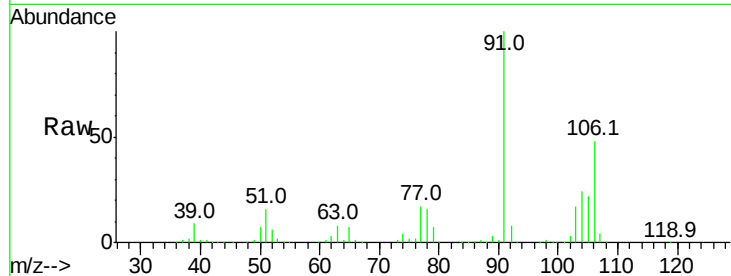




#55
o-xylene
Concen: 51.264 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

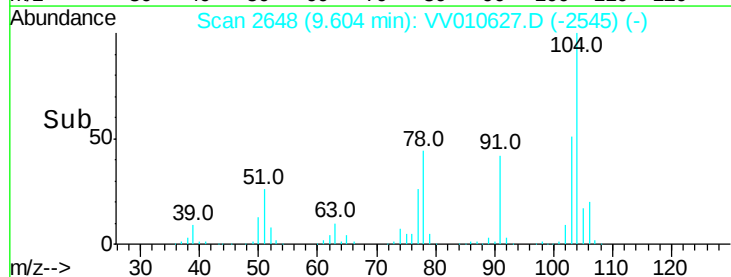
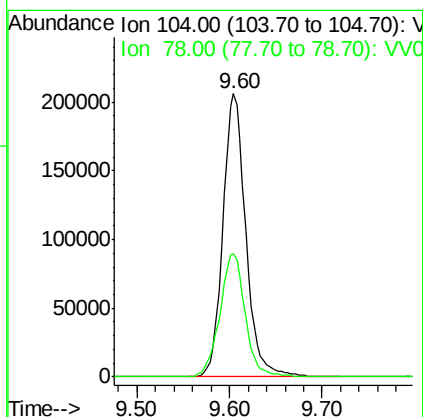
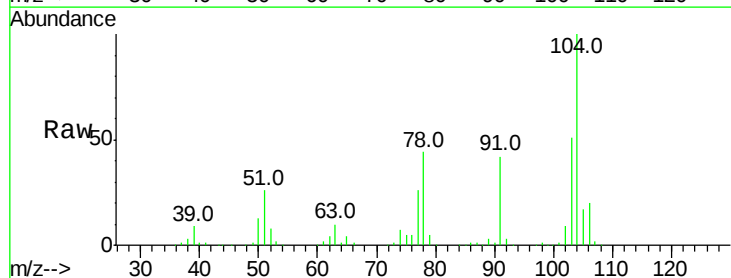
Instrument :
MSVOA_V
ClientSampleId :
VSTD05063

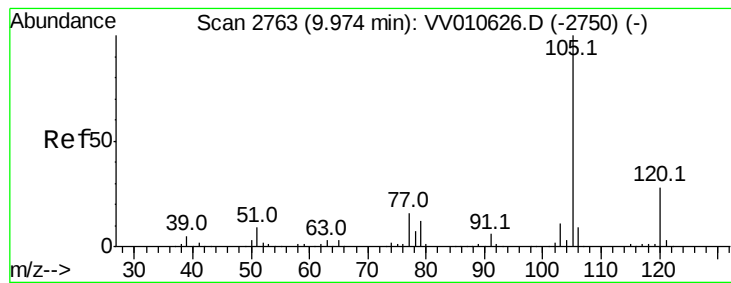
Tgt Ion:106 Resp: 202822
Ion Ratio Lower Upper
106 100
91 206.7 147.3 273.5



#56
Styrene
Concen: 53.948 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010627.D
Acq: 02 May 2019 12:50

Tgt Ion:104 Resp: 352154
Ion Ratio Lower Upper
104 100
78 43.8 30.4 56.5





#57

Isopropylbenzene

Concen: 49.411 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

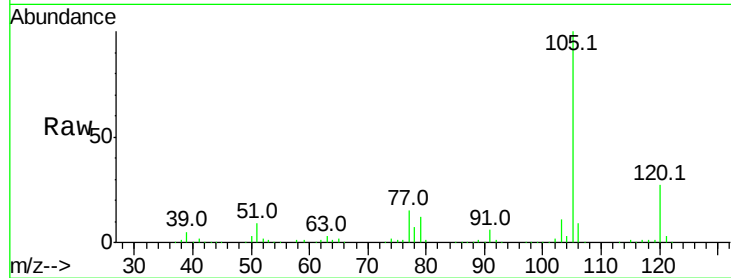
Tgt Ion:105 Resp: 528152

Ion Ratio Lower Upper

105 100

120 27.5 21.7 32.5

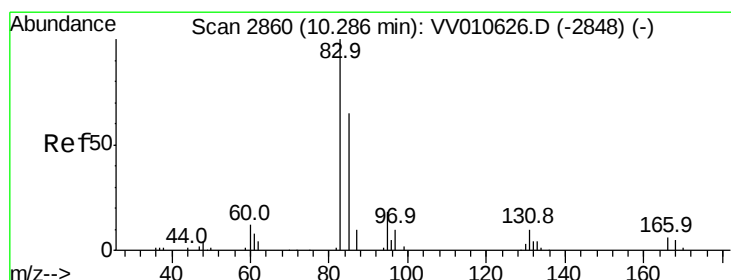
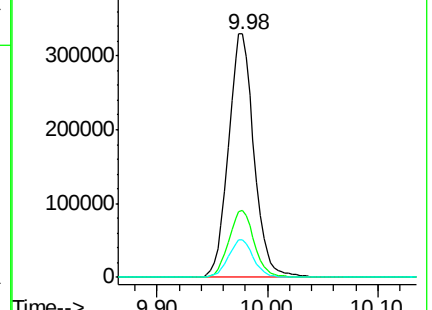
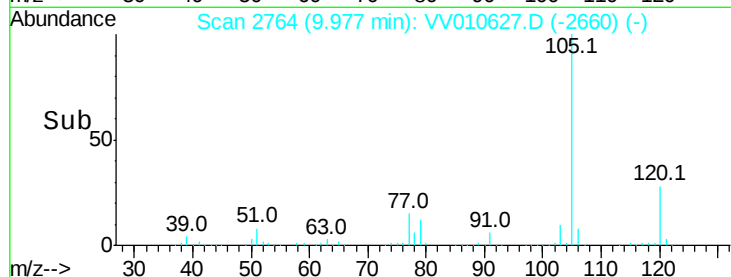
77 15.3 12.3 18.5



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 56.284 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

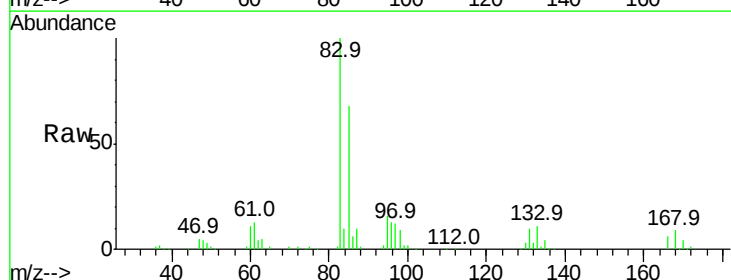
Tgt Ion: 83 Resp: 115410

Ion Ratio Lower Upper

83 100

85 67.6 46.5 86.3

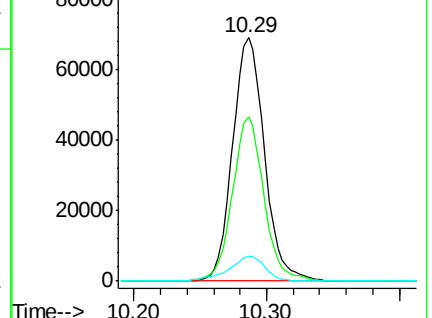
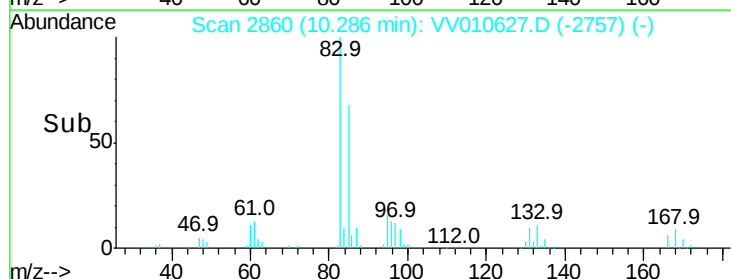
131 10.2 8.4 12.6

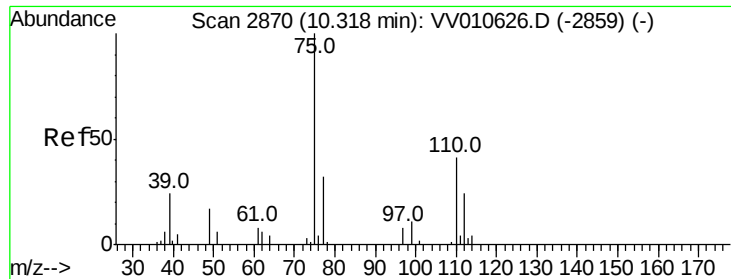


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 57.698 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

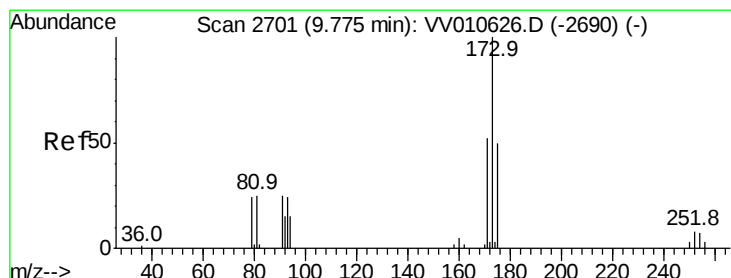
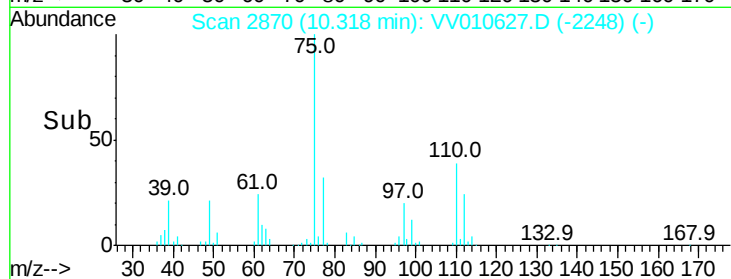
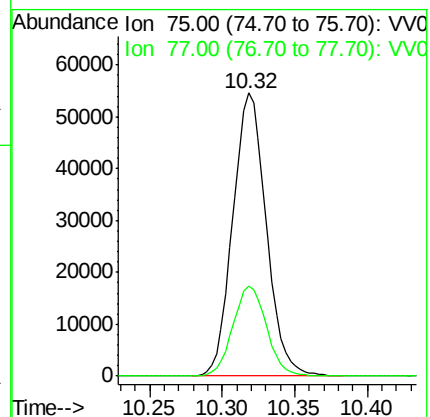
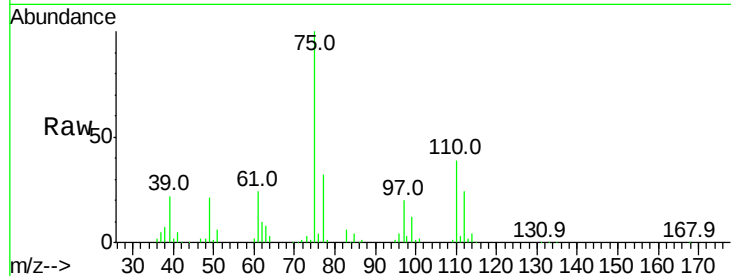
VSTD05063

Tgt Ion: 75 Resp: 87656

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#62

Bromoform

Concen: 52.836 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

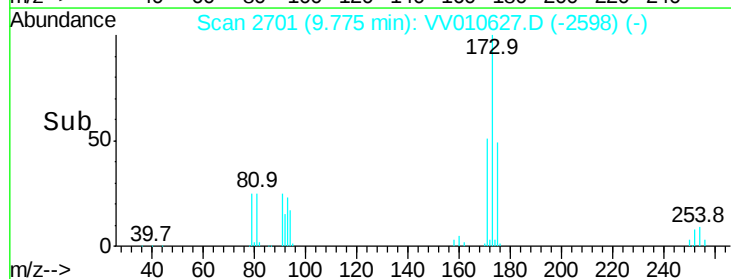
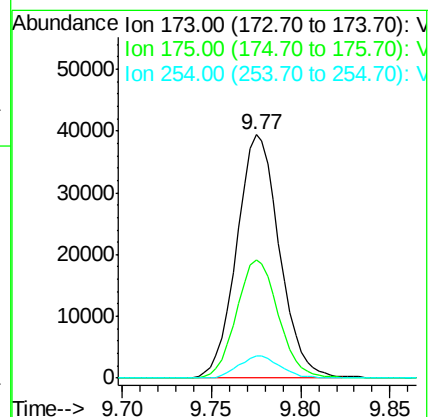
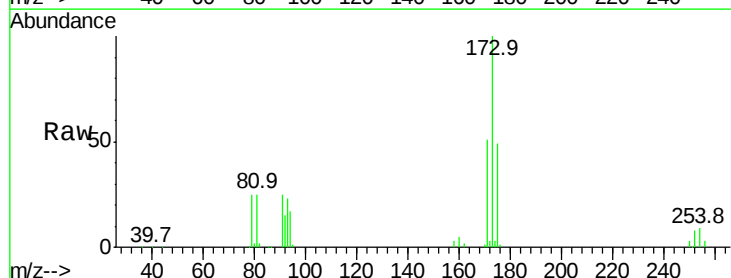
Tgt Ion: 173 Resp: 65979

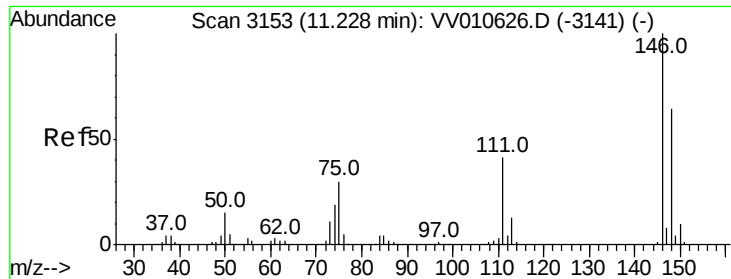
Ion Ratio Lower Upper

173 100

175 47.5 37.9 56.9

254 8.8 5.9 8.9

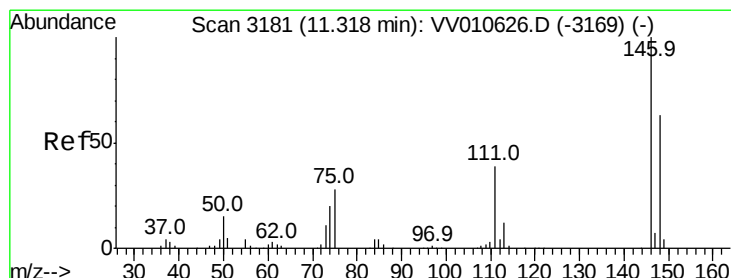
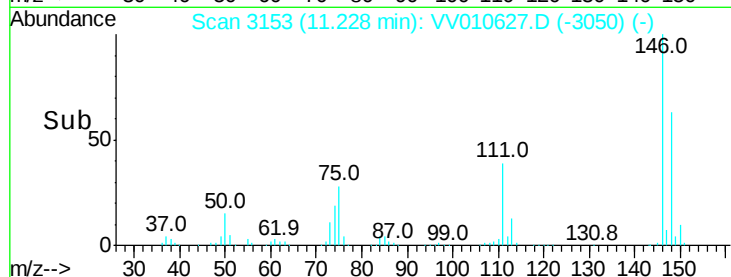
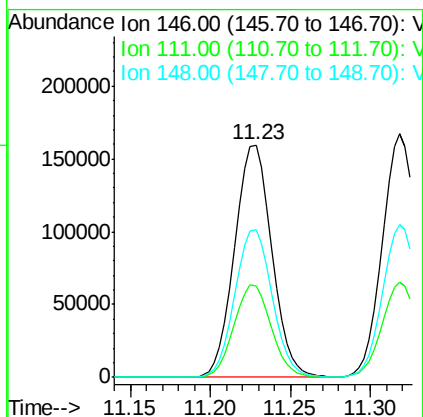
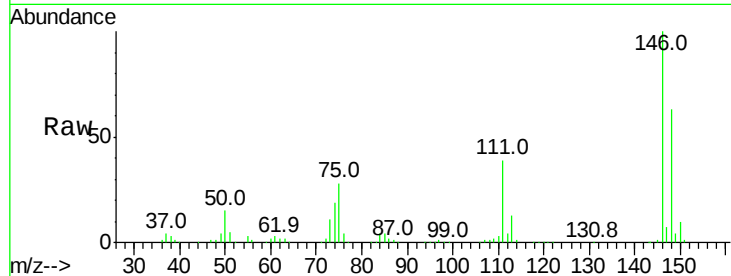




#63
 1,3-Dichlorobenzene
 Concen: 51.843 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

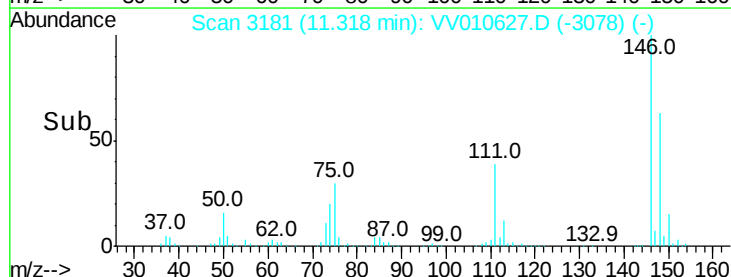
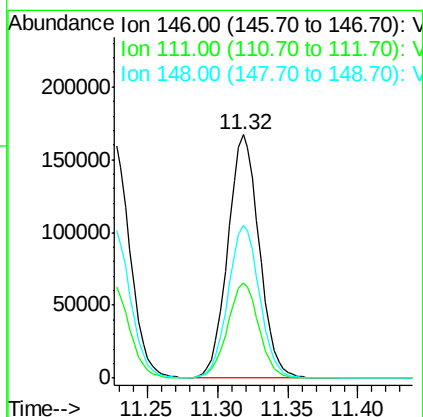
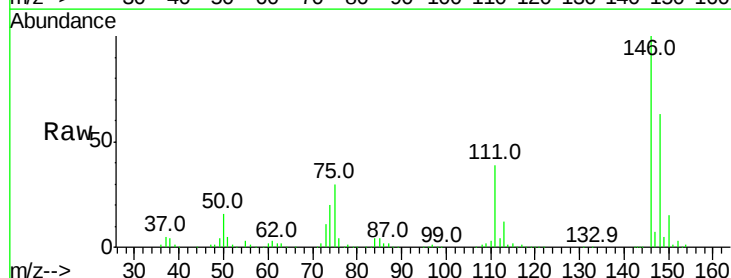
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

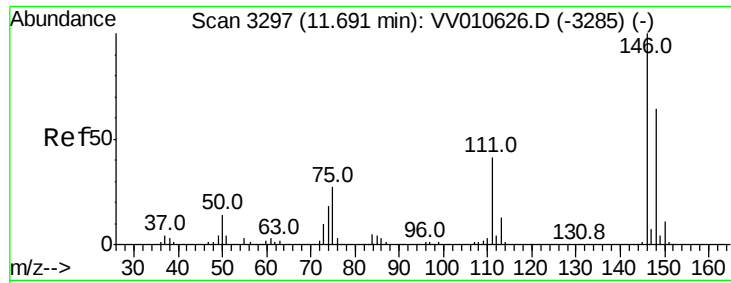
Tgt Ion:146 Resp: 252792
 Ion Ratio Lower Upper
 146 100
 111 39.2 28.3 52.7
 148 63.3 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 52.023 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

Tgt Ion:146 Resp: 259694
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.6 51.4
 148 62.7 44.0 81.8





#65

1,2-Dichlorobenzene

Concen: 52.615 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

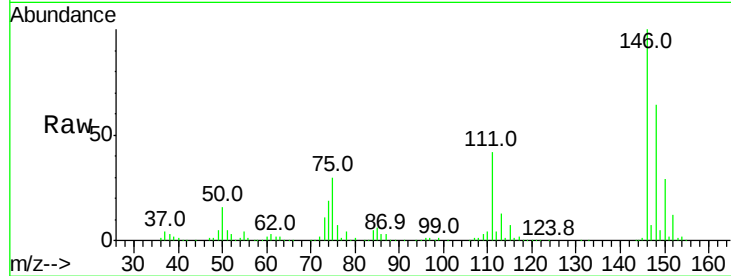
Tgt Ion:146 Resp: 249320

Ion Ratio Lower Upper

146 100

111 41.7 32.7 49.1

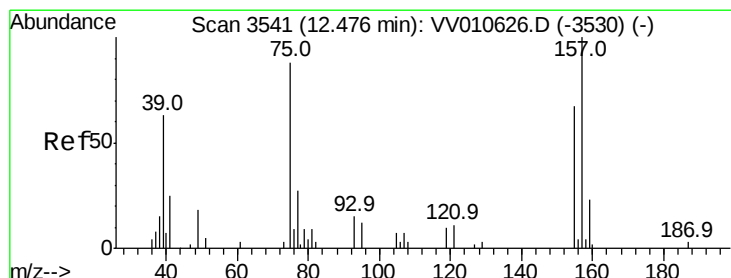
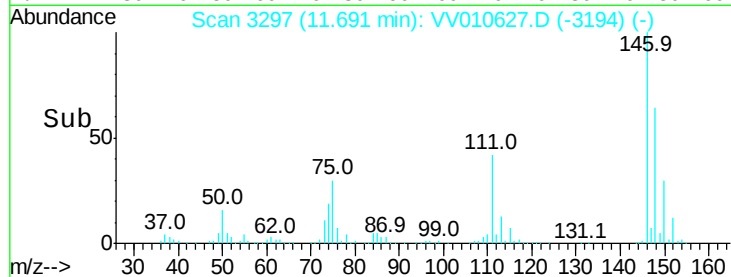
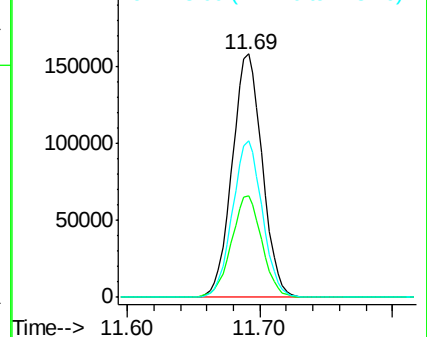
148 64.2 51.0 76.6



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: 61.607 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

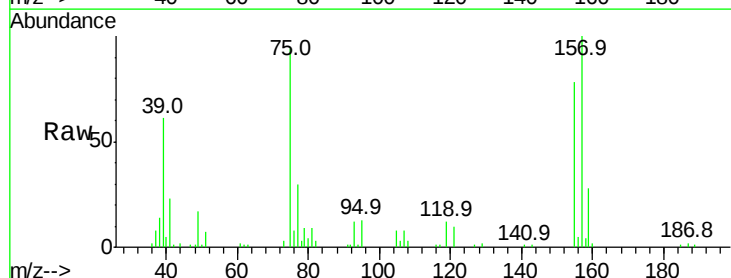
Tgt Ion: 75 Resp: 19348

Ion Ratio Lower Upper

75 100

157 106.0 91.1 136.7

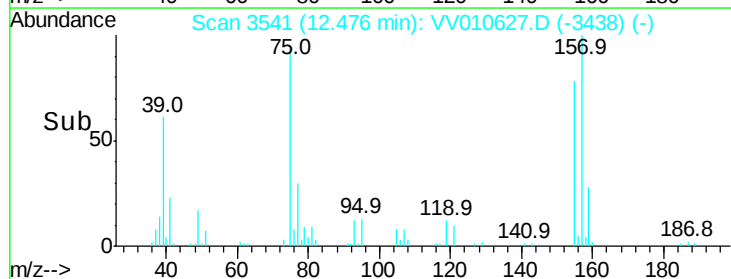
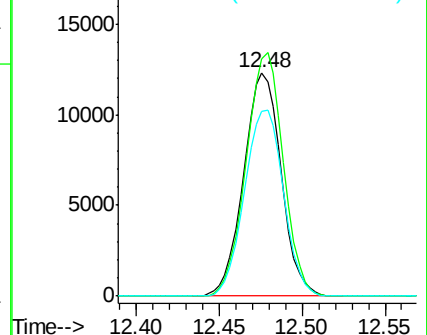
155 82.7 61.0 91.6

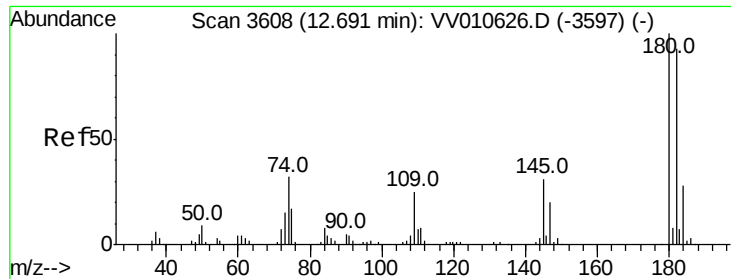


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

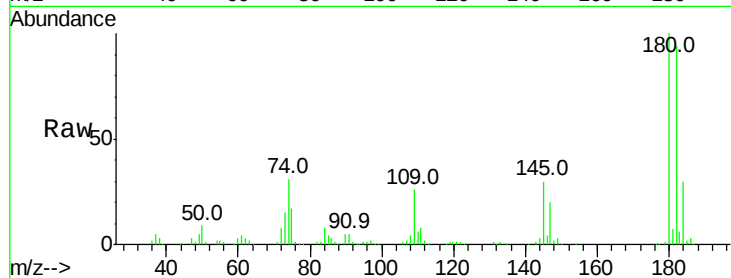




#67
 1,3,5-Trichlorobenzene
 Concen: 49.162 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05063

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.2	112.8
184	29.8	23.8	35.6
145	30.8	24.5	36.7

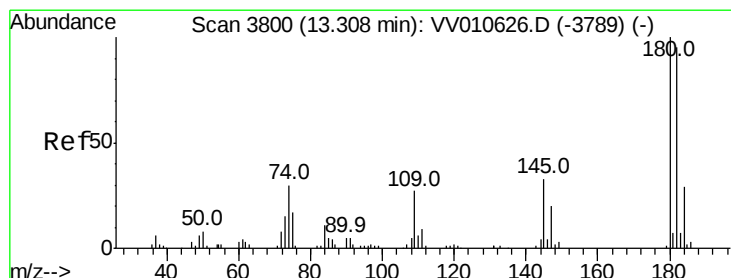
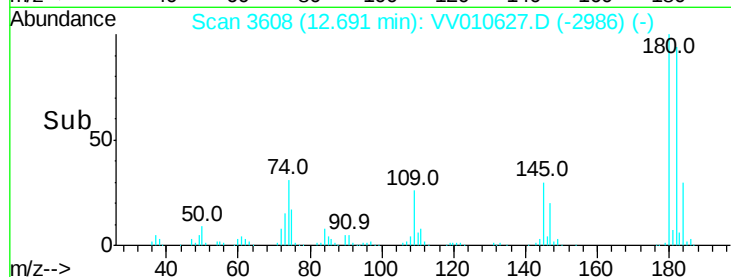
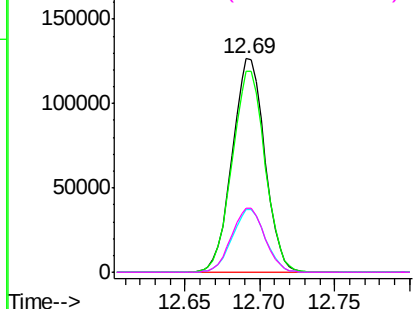


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

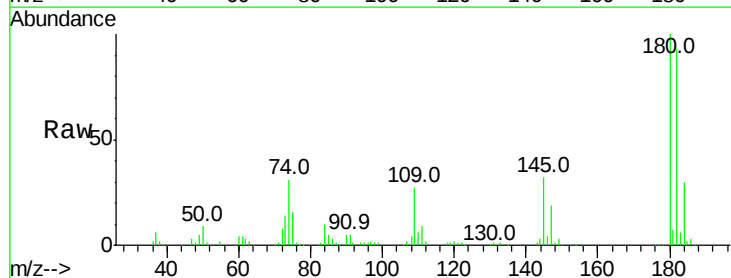
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.358 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010627.D
 Acq: 02 May 2019 12:50

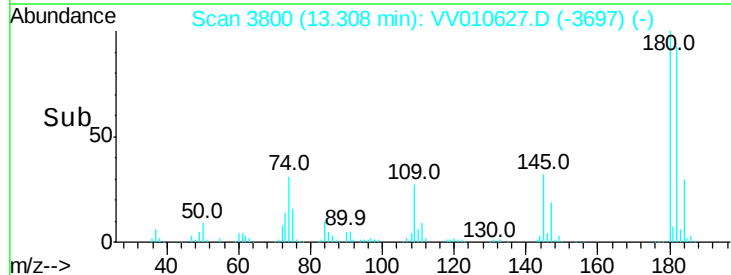
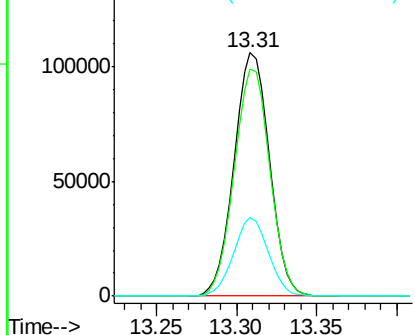
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	31.6	26.0	39.0

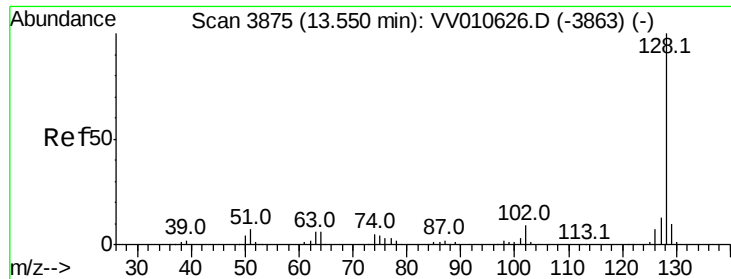


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 72.873 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05063

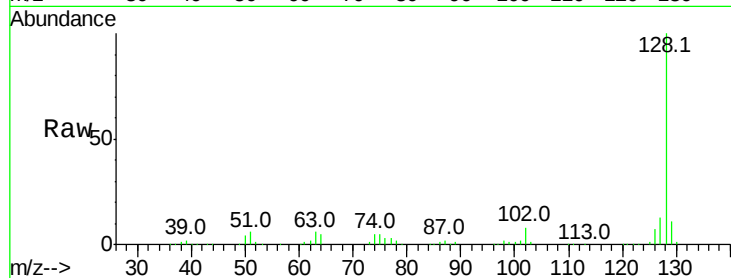
Tgt Ion:128 Resp: 344278

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

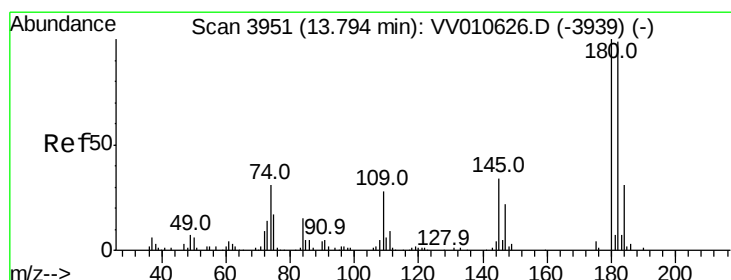
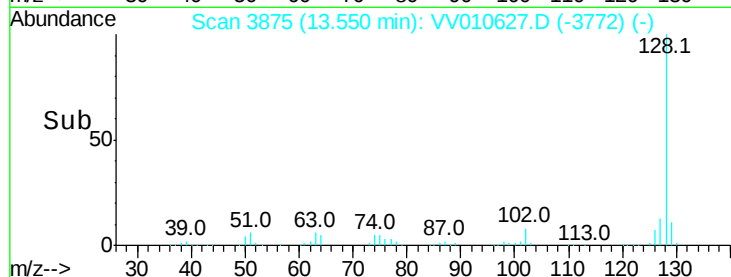
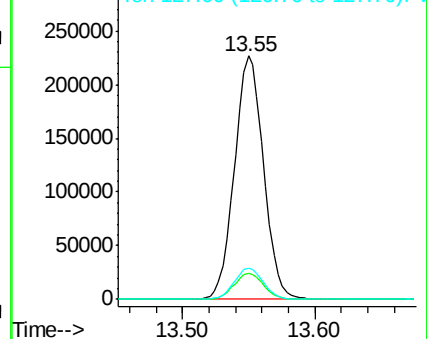
127 12.8 10.6 15.8



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: 56.988 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010627.D

Acq: 02 May 2019 12:50

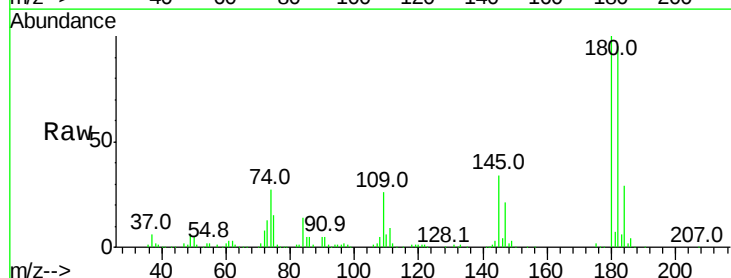
Tgt Ion:180 Resp: 155047

Ion Ratio Lower Upper

180 100

182 95.1 79.0 118.6

145 34.2 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

