

Data File : VV011475.D
Acq On : 13 Jun 2019 22:00
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Quant Time: Jun 14 04:44:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 04:38:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	125192	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	114737	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	49495	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43862	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	37854	4.80	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.00%
11) 1,1-Dichloroethene-d2	2.13	63	94988	5.01	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	3.97	46	131685	61.66	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.32%
24) Chloroform-d	4.40	84	95625	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.60%
26) 1,2-Dichloroethane-d4	5.08	65	52020	5.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	115.20%
32) Benzene-d6	5.10	84	175999	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	6.12	67	54622	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.36	98	159372	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
43) trans-1,3-Dichloropropene-	7.66	79	17769	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.14	63	102090	59.96	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	42198	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	50877	5.21	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	55576	4.501	ug/L 97
3) Chloromethane	1.25	50	60648	5.080	ug/L 98
5) Vinyl chloride	1.32	62	59039	5.126	ug/L 94
6) Bromomethane	1.53	94	22761	3.798	ug/L 92
8) Chloroethane	1.60	64	35293	4.795	ug/L 97
9) Trichlorofluoromethane	1.77	101	87804	5.553	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44843	5.526	ug/L 98
12) 1,1-Dichloroethene	2.13	96	41885	5.310	ug/L 92
13) Acetone	2.23	43	90570	63.250	ug/L 98
14) Carbon disulfide	2.31	76	97081	4.057	ug/L 99
15) Methyl Acetate	2.47	43	22458	5.905	ug/L 95
16) Methylene chloride	2.53	84	46018	5.662	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	110218	5.234	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	43464	4.922	ug/L 96
19) 1,1-Dichloroethane	3.23	63	92091	5.286	ug/L 98
21) 2-Butanone	4.05	43	127042	57.611	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	49019	5.012	ug/L 96

Data File : VV011475.D
Acq On : 13 Jun 2019 22:00
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Quant Time: Jun 14 04:44:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 04:38:08 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19896	5.307	ug/L	97
25) Chloroform	4.43	83	92300	5.130	ug/L	95
27) 1,2-Dichloroethane	5.18	62	62915	5.723	ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	73213	5.003	ug/L	98
30) Cyclohexane	4.72	56	74040	4.563	ug/L	97
31) Carbon tetrachloride	4.87	117	58950	4.820	ug/L	96
33) Benzene	5.14	78	192925	5.284	ug/L	100
34) Trichloroethene	5.96	95	48378	5.129	ug/L	98
35) Methylcyclohexane	6.17	83	73717	4.726	ug/L	99
37) 1,2-Dichloropropane	6.22	63	50566	5.565	ug/L	100
38) Bromodichloromethane	6.55	83	56254	5.007	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	61448	4.622	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	341698	59.050	ug/L	98
42) Toluene	7.43	91	202400	5.201	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	48678	4.816	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	33742	5.801	ug/L	98
47) Tetrachloroethene	8.02	164	33899	4.973	ug/L	99
48) 2-Hexanone	8.19	43	238158	59.013	ug/L	96
49) Dibromochloromethane	8.29	129	32415	4.906	ug/L	96
50) 1,2-Dibromoethane	8.40	107	30045	5.434	ug/L	98
51) Chlorobenzene	8.92	112	121432	5.117	ug/L	99
52) Ethylbenzene	9.05	91	216427	5.008	ug/L	98
53) m,p-xylene	9.18	106	77947	4.877	ug/L	97
54) o-xylene	9.59	106	79898	5.094	ug/L	97
55) Styrene	9.60	104	130765	5.119	ug/L	97
56) Isopropylbenzene	9.97	105	208641	4.943	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	39119	5.547	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	29531	5.572	ug/L	99
61) Bromoform	9.78	173	14366	4.832	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	81941	5.007	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	80991	5.098	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	80344	5.311	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	4895	4.515	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	57323	4.868	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	41384	4.629	ug/L	93
69) Naphthalene	13.55	128	64227	4.389	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	38764	4.836	ug/L	96

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

Data File : VV011475.D

Acq On : 13 Jun 2019 22:00

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25ML/MSV0A V/WATER

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

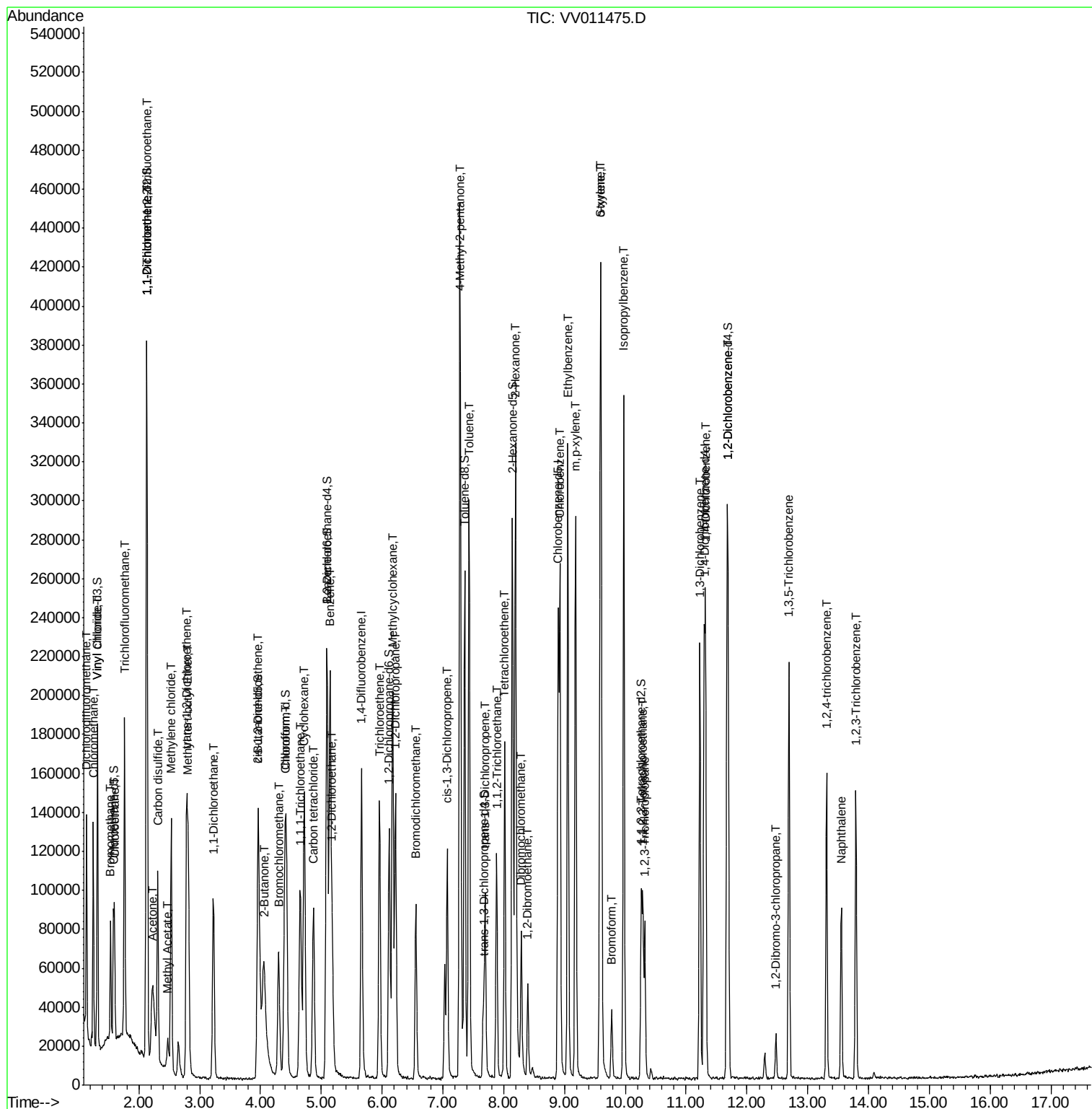
Quant Time: Jun 14 04:44:07 2019

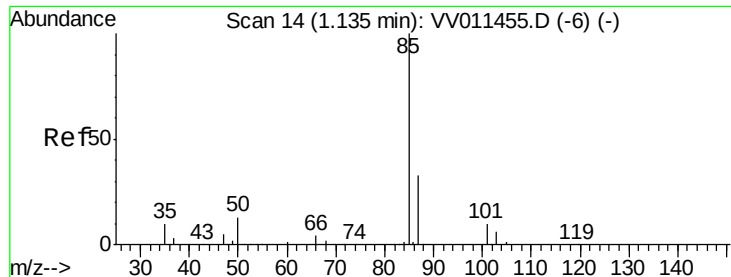
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 04:38:08 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.501 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

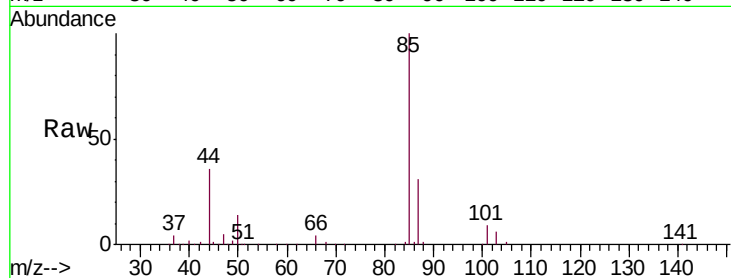
VSTD00552

Tgt Ion: 85 Resp: 55576

Ion Ratio Lower Upper

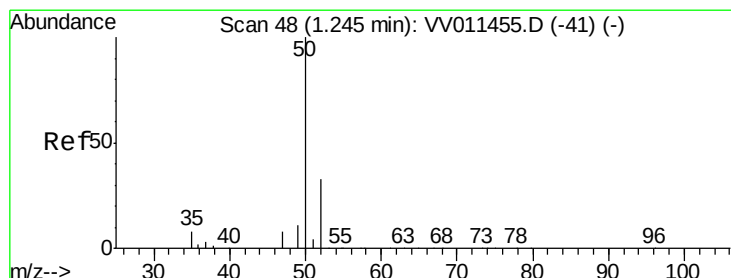
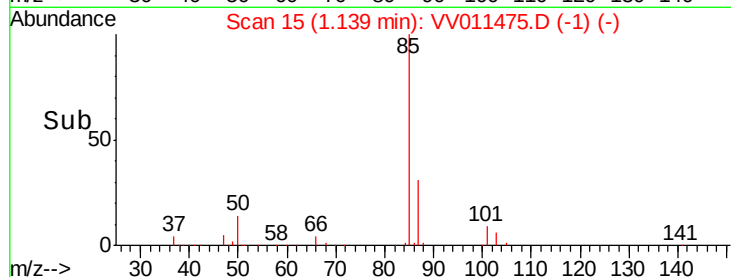
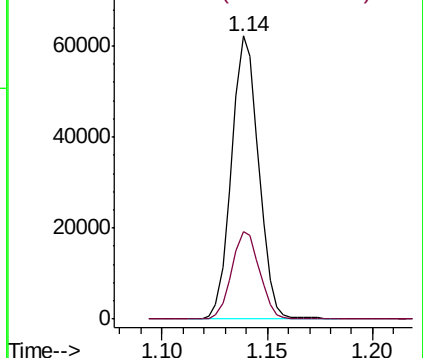
85 100

87 31.6 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.080 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV011475.D

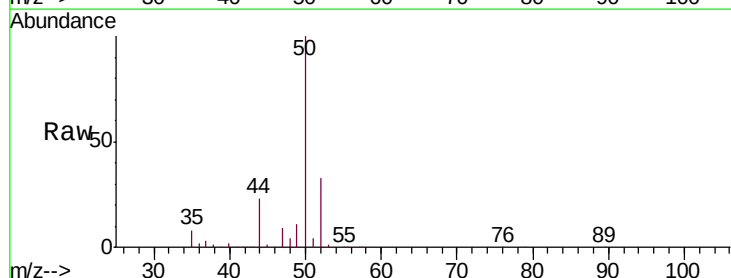
Acq: 13 Jun 2019 22:00

Tgt Ion: 50 Resp: 60648

Ion Ratio Lower Upper

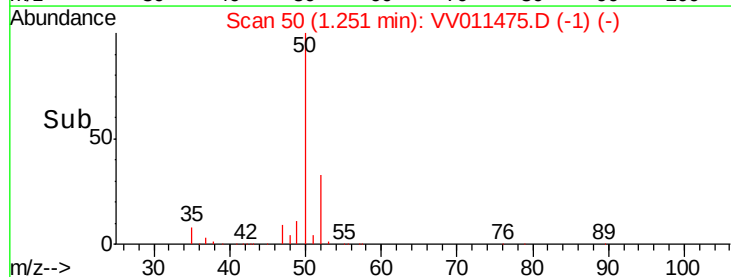
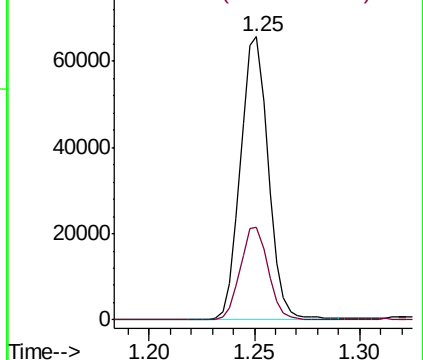
50 100

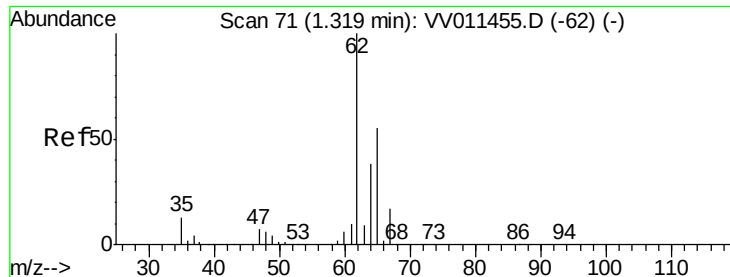
52 32.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.126 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

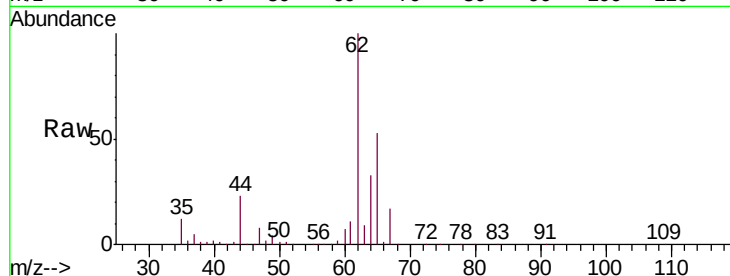
VSTD00552

Tgt Ion: 62 Resp: 59039

Ion Ratio Lower Upper

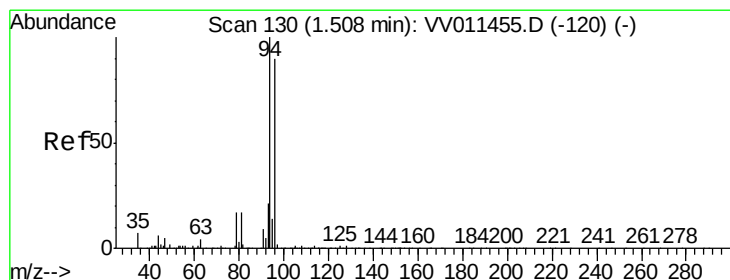
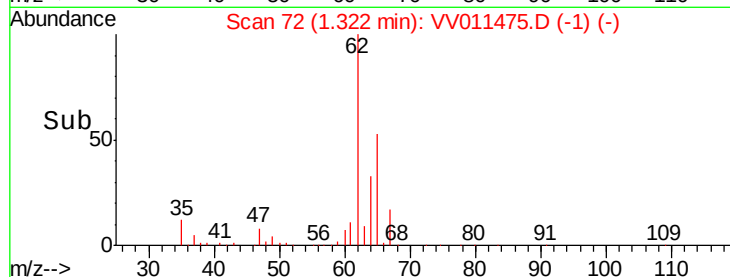
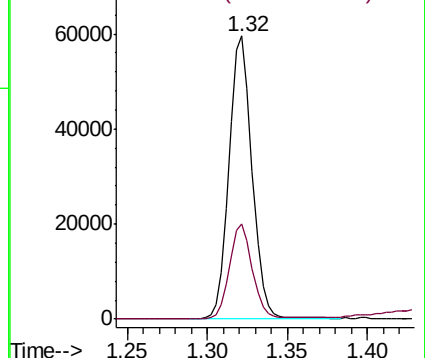
62 100

64 33.4 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 3.798 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.03 min

Lab File: VV011475.D

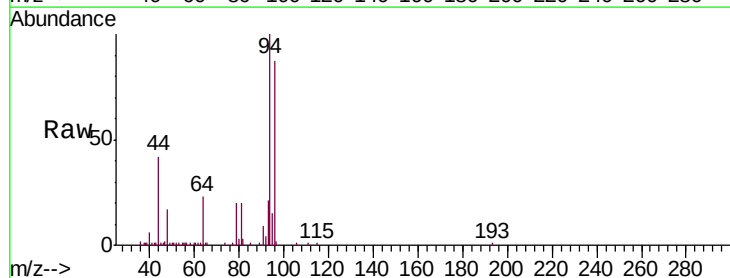
Acq: 13 Jun 2019 22:00

Tgt Ion: 94 Resp: 22761

Ion Ratio Lower Upper

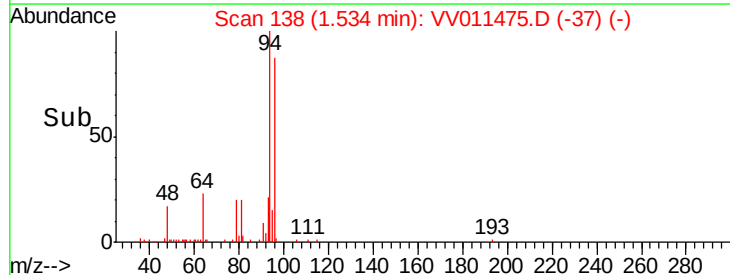
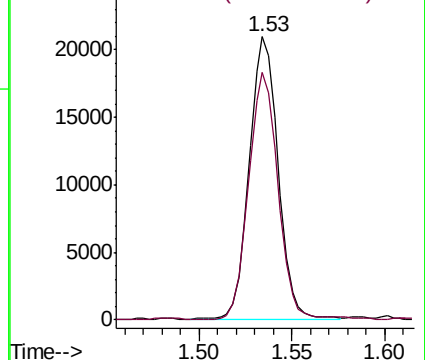
94 100

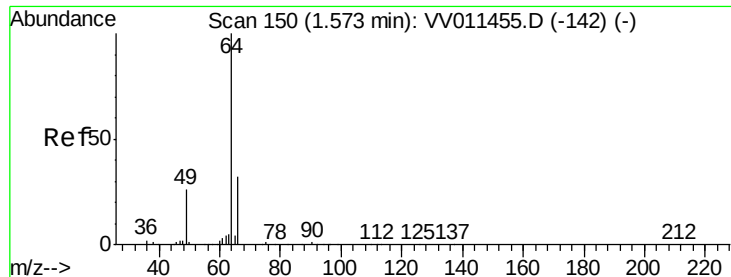
96 87.5 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.795 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.03 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

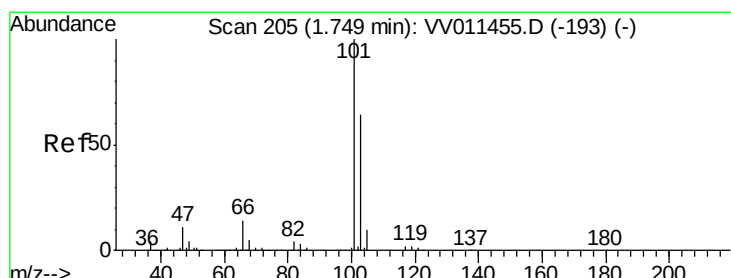
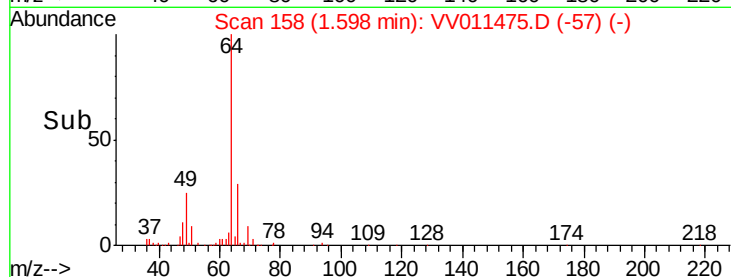
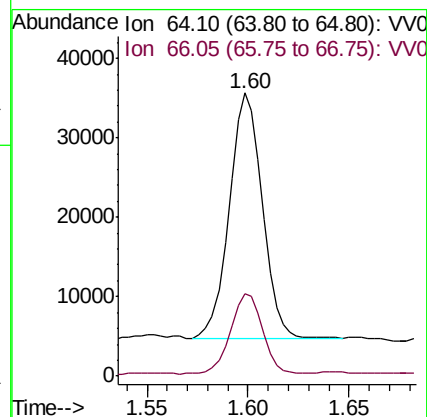
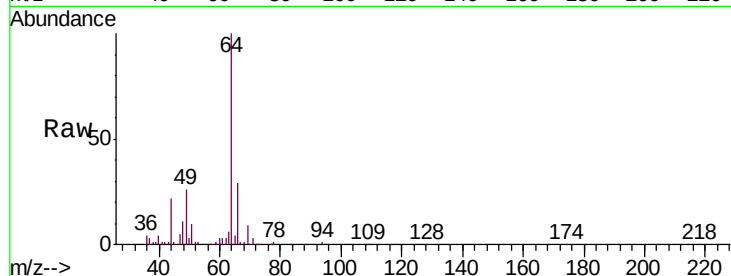
VSTD00552

Tgt Ion: 64 Resp: 35293

Ion Ratio Lower Upper

64 100

66 29.3 19.4 36.0



#9

Trichlorofluoromethane

Concen: 5.553 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.02 min

Lab File: VV011475.D

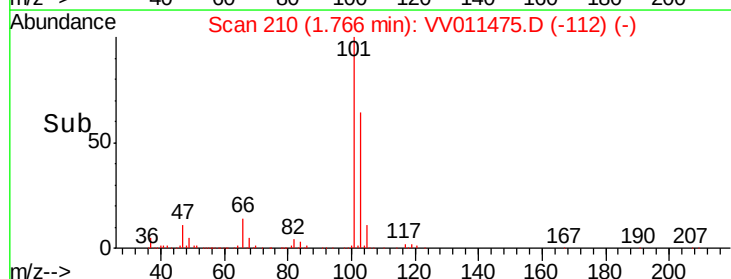
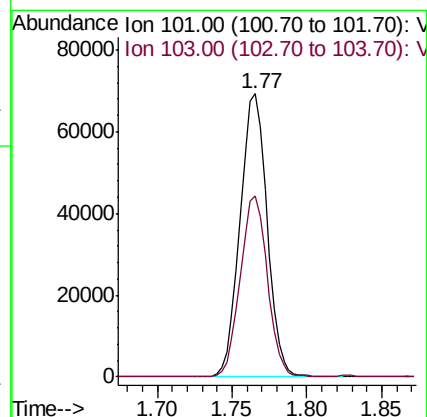
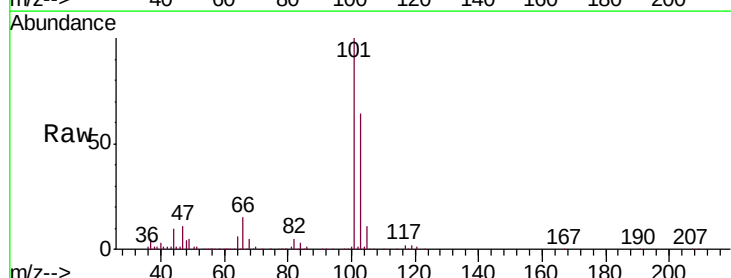
Acq: 13 Jun 2019 22:00

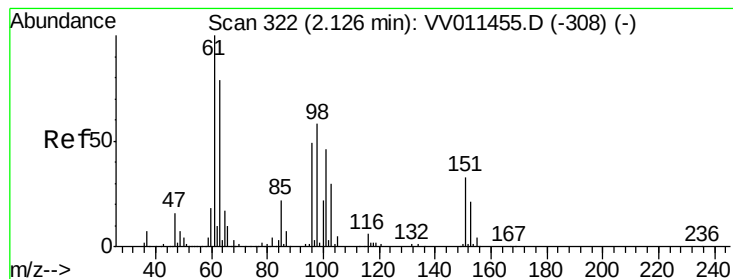
Tgt Ion: 101 Resp: 87804

Ion Ratio Lower Upper

101 100

103 63.5 50.8 76.2





#10

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

Concen: 5.526 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

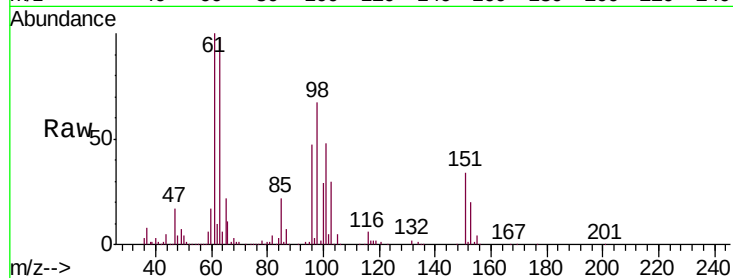
Tgt Ion: 101 Resp: 44843

Ion Ratio Lower Upper

101 100

85 46.2 35.5 53.3

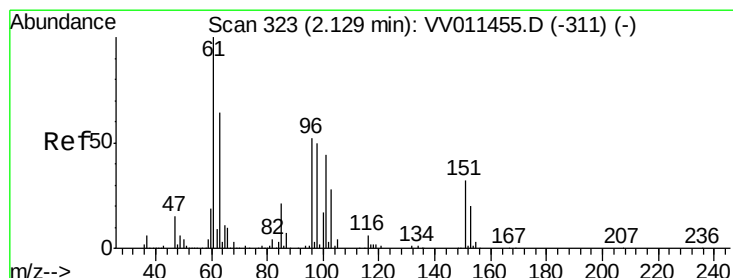
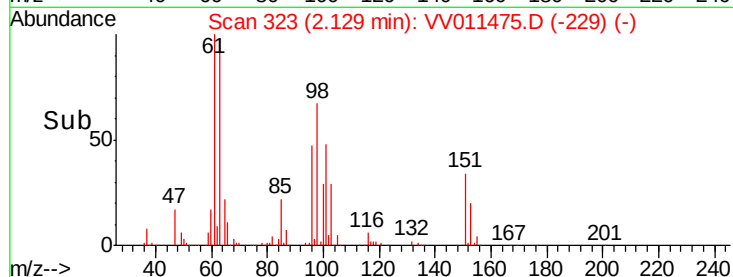
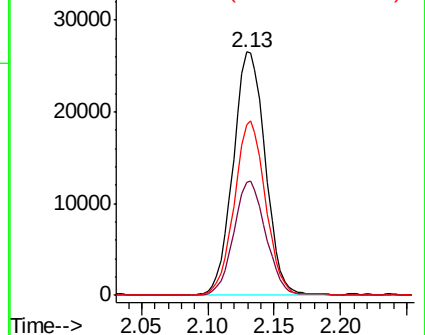
151 69.3 56.9 85.3



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: 5.310 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

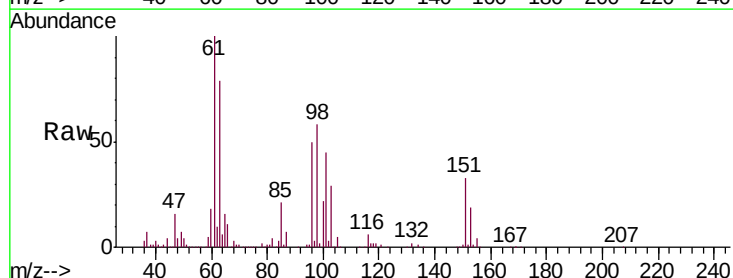
Tgt Ion: 96 Resp: 41885

Ion Ratio Lower Upper

96 100

61 199.5 139.8 259.6

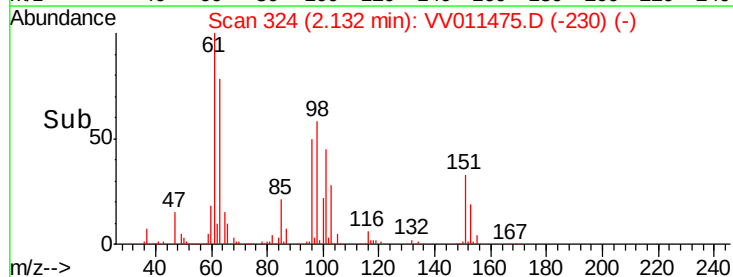
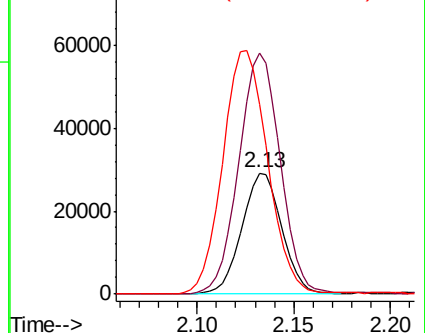
63 157.5 94.3 175.1

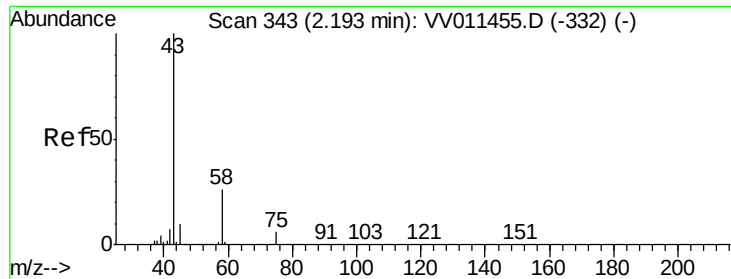


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0

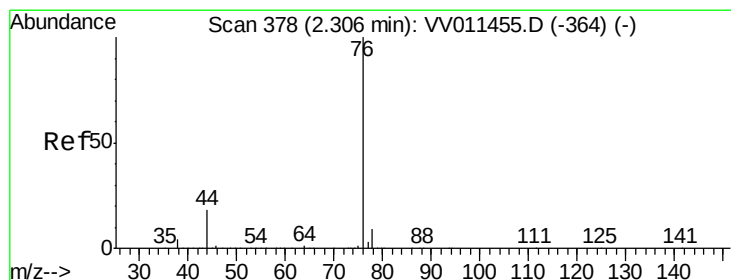
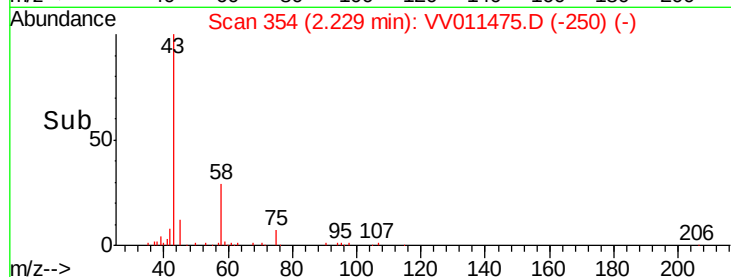
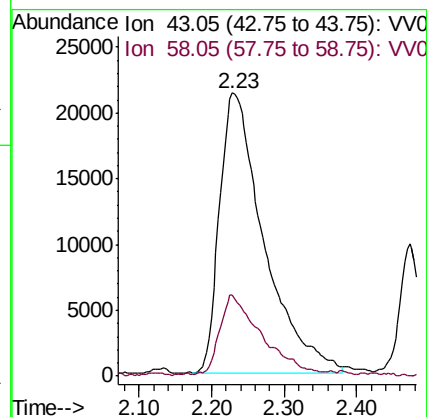
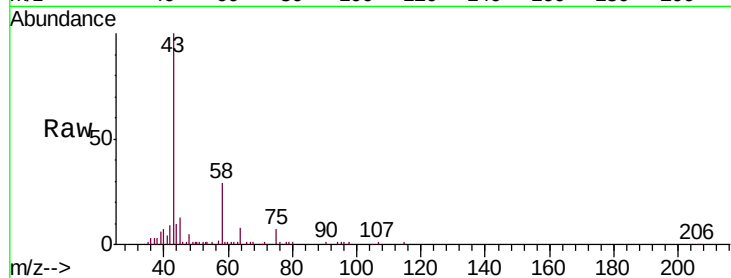




#13
Acetone
Concen: 63.250 ug/L
RT: 2.23 min Scan# 354
Delta R.T. 0.04 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

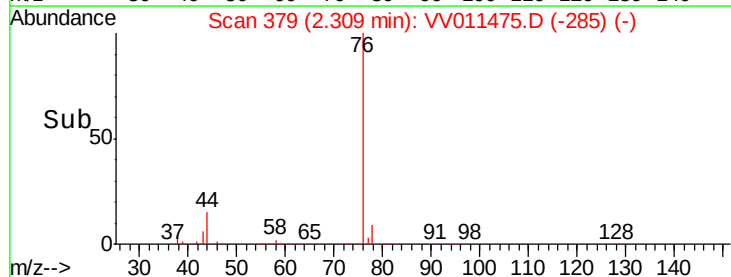
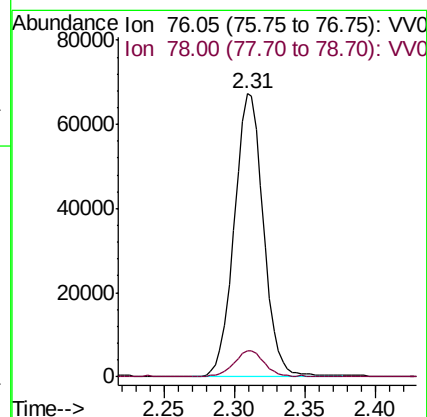
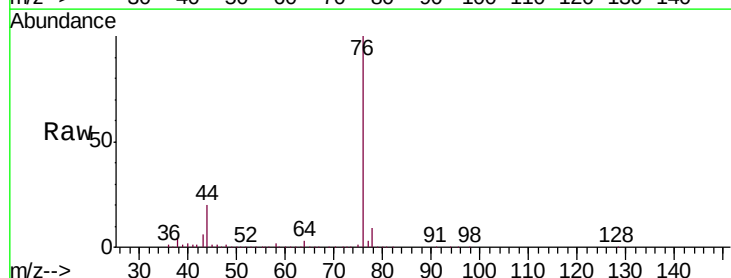
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

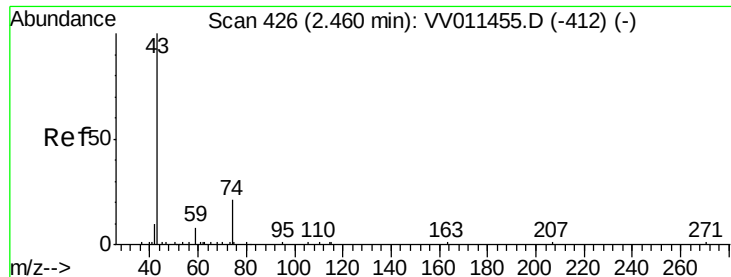
Tgt Ion: 43 Resp: 90570
Ion Ratio Lower Upper
43 100
58 26.5 0.0 55.2



#14
Carbon disulfide
Concen: 4.057 ug/L
RT: 2.31 min Scan# 379
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion: 76 Resp: 97081
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

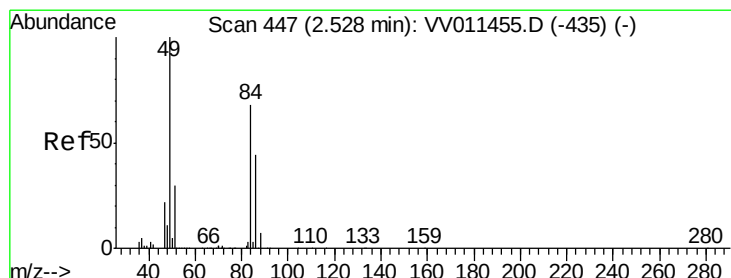
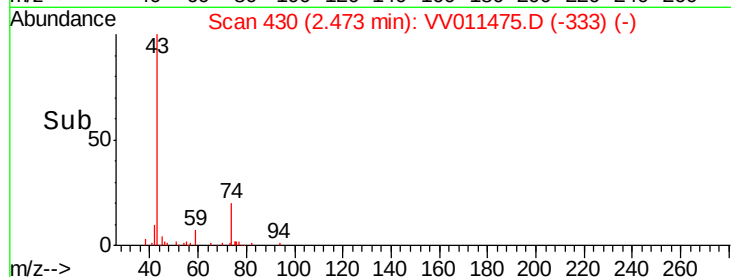
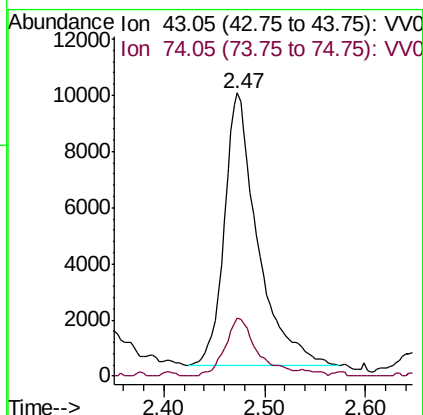
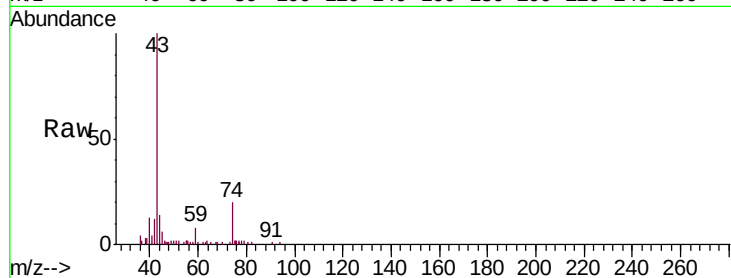




#15
Methyl Acetate
Concen: 5.905 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.01 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

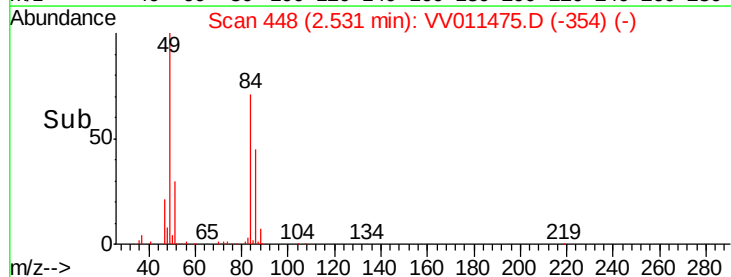
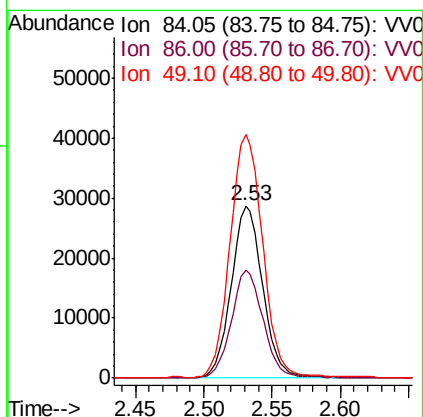
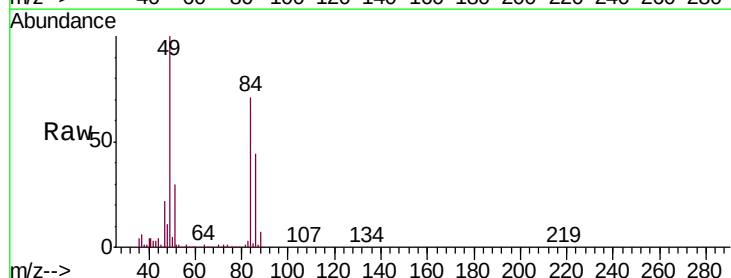
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

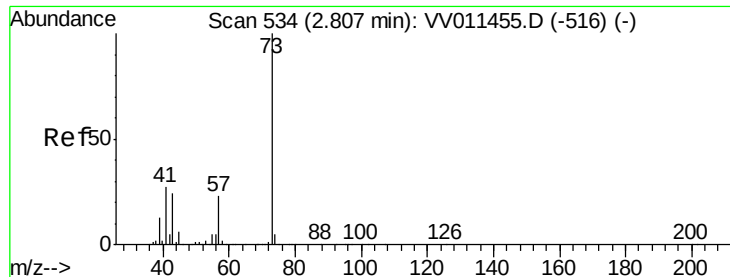
Tgt Ion: 43 Resp: 22458
Ion Ratio Lower Upper
43 100
74 20.6 18.5 27.7



#16
Methylene chloride
Concen: 5.662 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion: 84 Resp: 46018
Ion Ratio Lower Upper
84 100
86 62.9 44.9 83.3
49 141.6 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 5.234 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

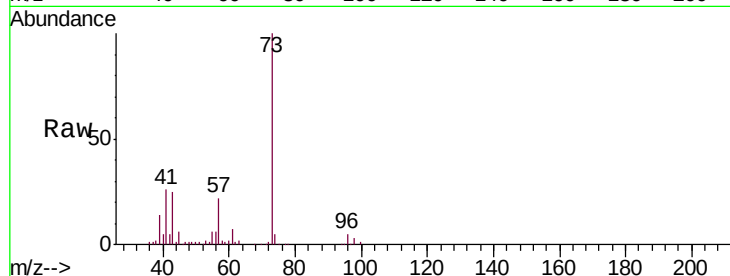
Tgt Ion: 73 Resp: 110218

Ion Ratio Lower Upper

73 100

43 24.1 18.7 28.1

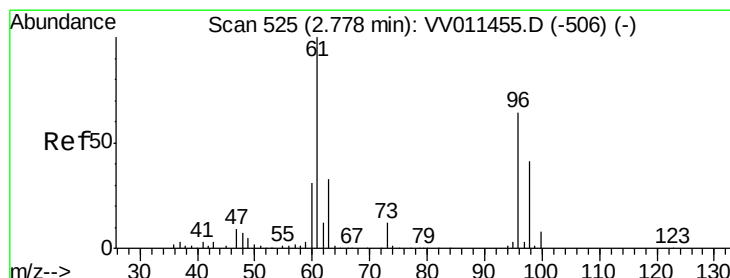
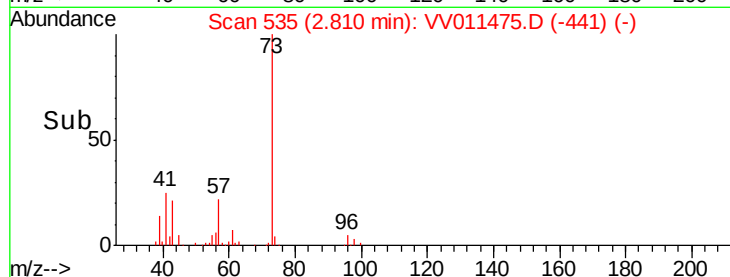
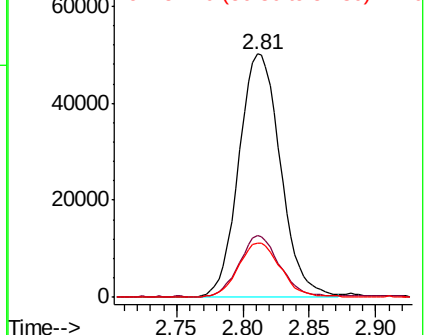
57 23.0 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.922 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

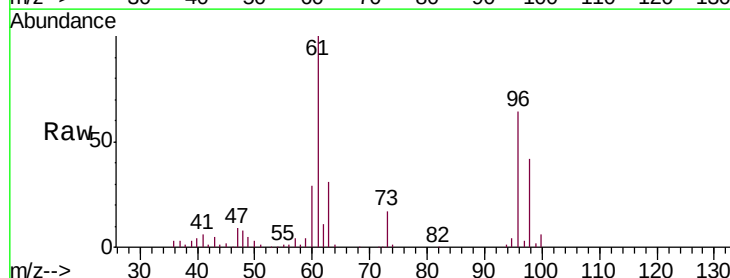
Tgt Ion: 96 Resp: 43464

Ion Ratio Lower Upper

96 100

61 156.2 104.0 193.2

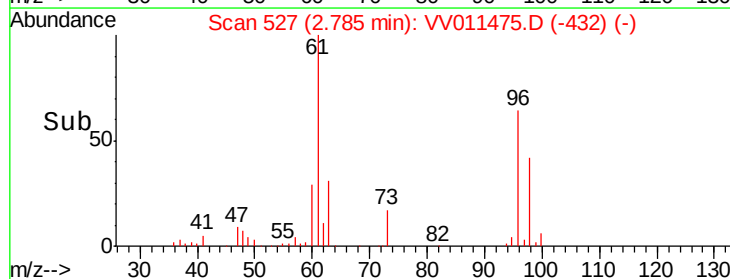
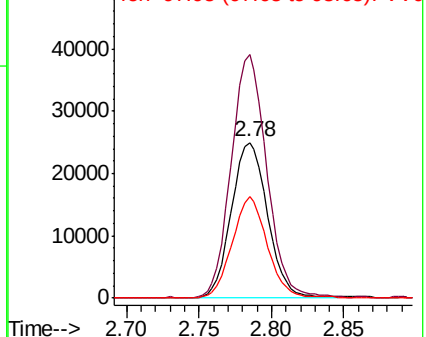
98 65.2 45.7 84.9

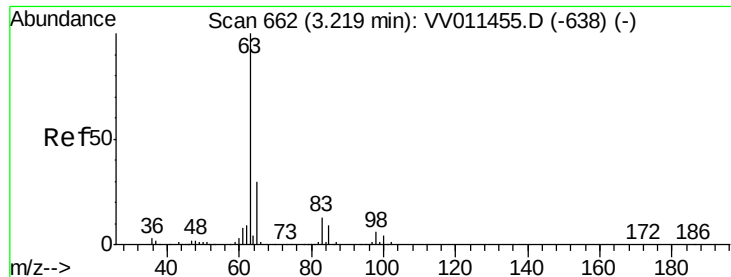


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

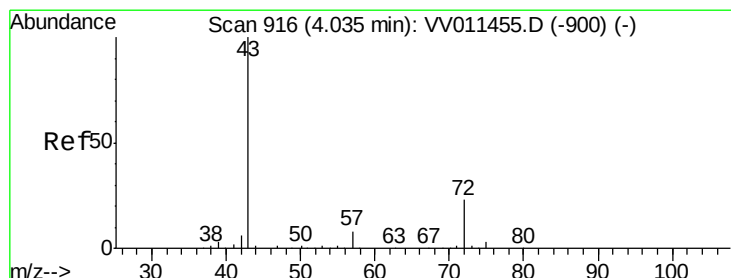
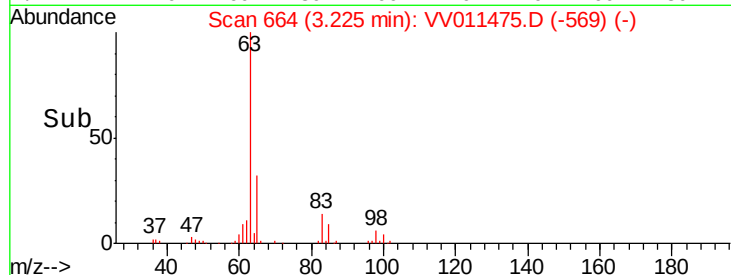
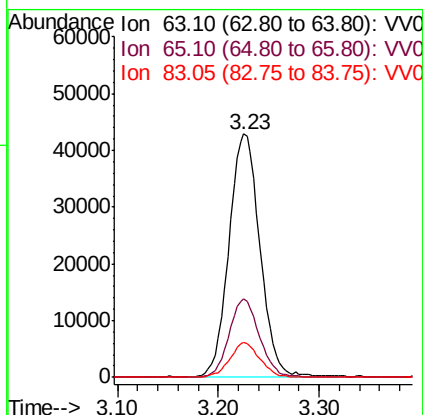
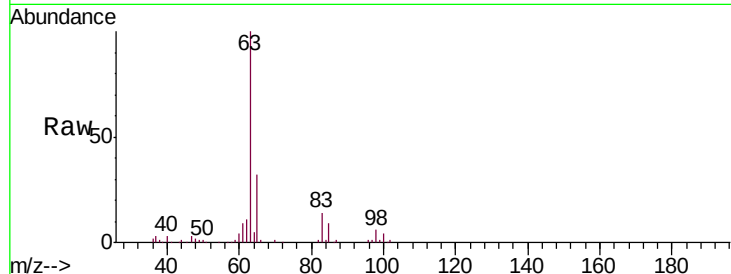




#19
 1,1-Dichloroethane
 Concen: 5.286 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.01 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

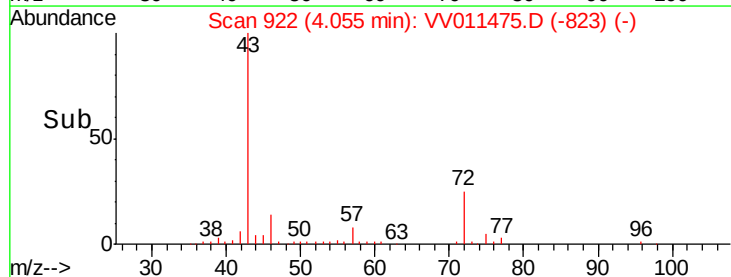
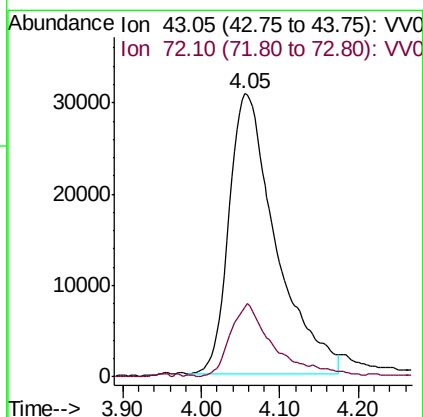
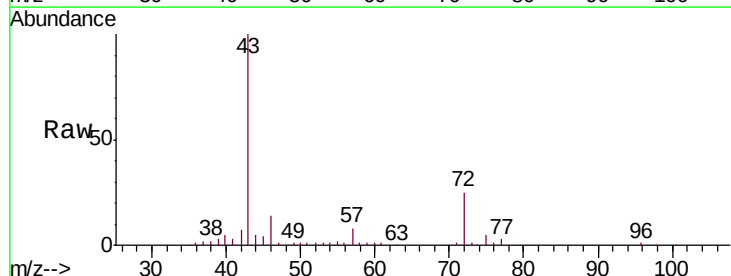
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

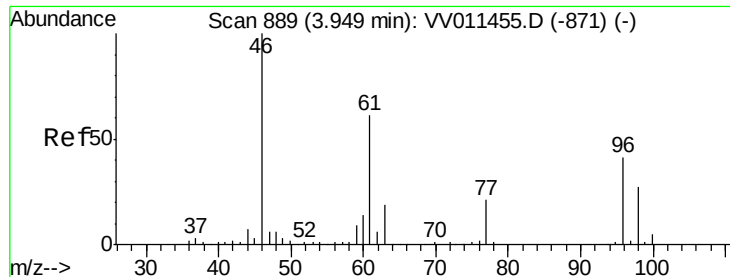
Tgt Ion: 63 Resp: 92091
 Ion Ratio Lower Upper
 63 100
 65 32.2 22.1 41.1
 83 14.3 9.2 17.0



#21
 2-Butanone
 Concen: 57.611 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.02 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Tgt Ion: 43 Resp: 127042
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.7 38.1

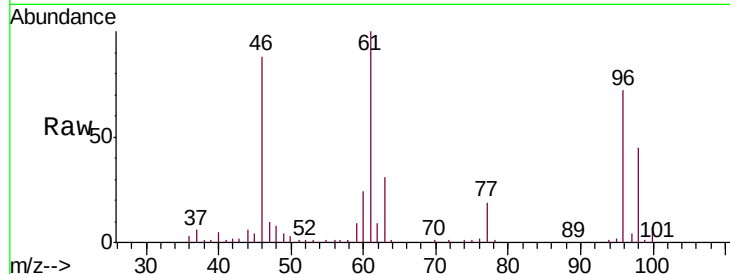




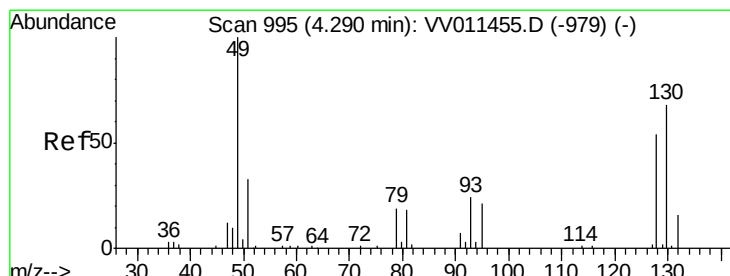
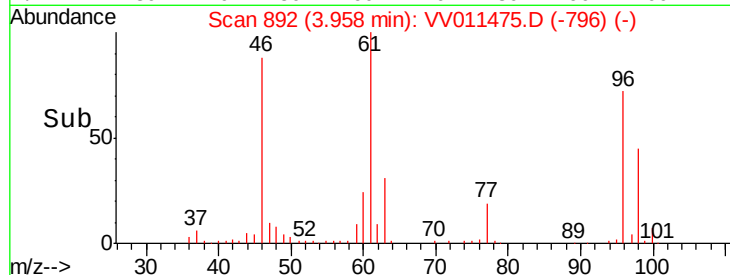
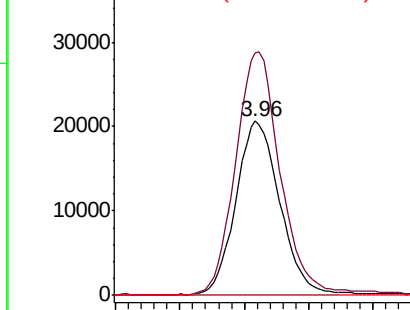
#22
 cis-1,2-Dichloroethene
 Concen: 5.012 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.01 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion: 96 Resp: 49019
 Ion Ratio Lower Upper
 96 100
 61 139.4 100.8 187.2
 68 0.0 0.0 0.0

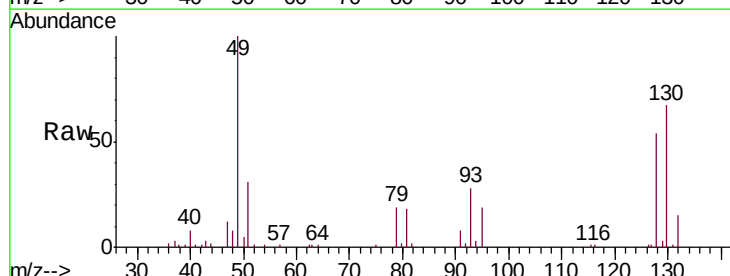


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

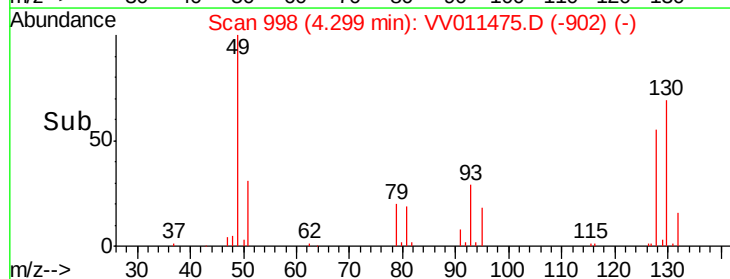
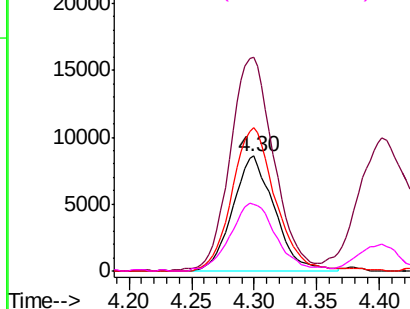


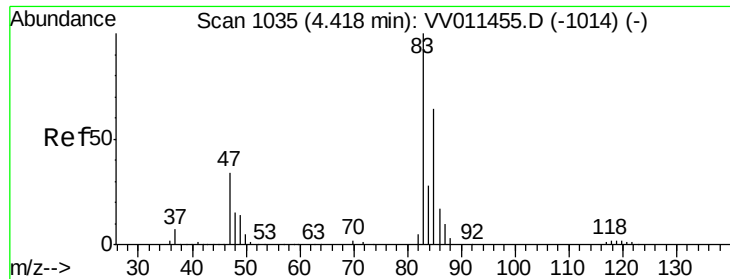
#23
 Bromochloromethane
 Concen: 5.307 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.01 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Tgt Ion: 128 Resp: 19896
 Ion Ratio Lower Upper
 128 100
 49 186.4 128.9 239.5
 130 124.9 82.5 153.1
 51 58.6 47.2 70.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

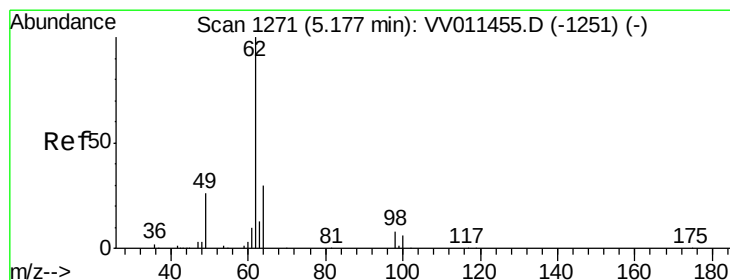
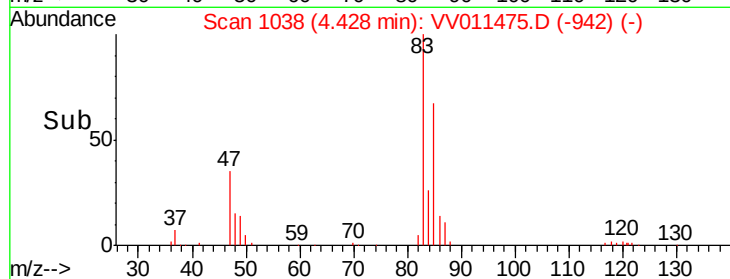
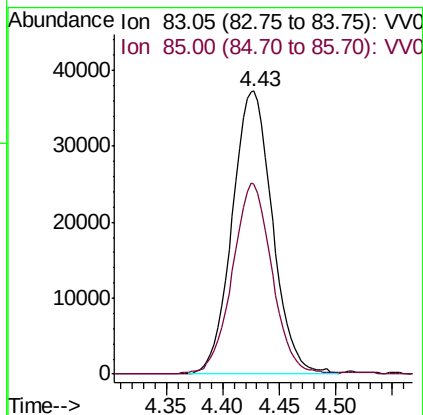
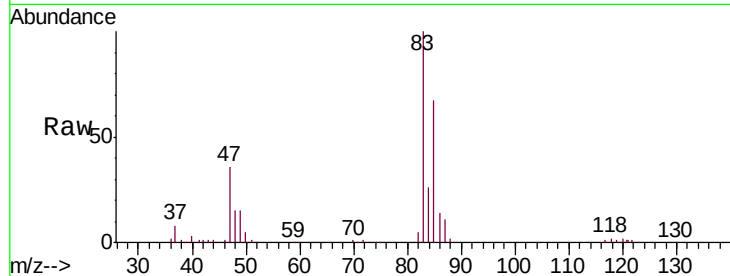




#25
Chloroform
Concen: 5.130 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

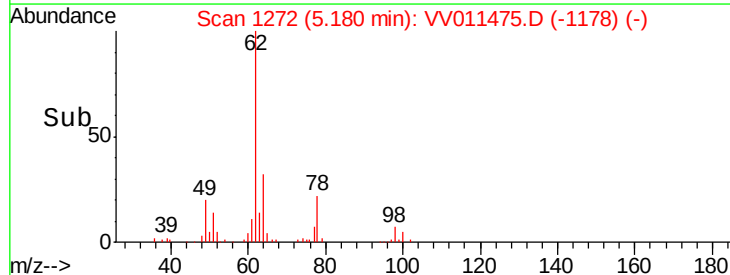
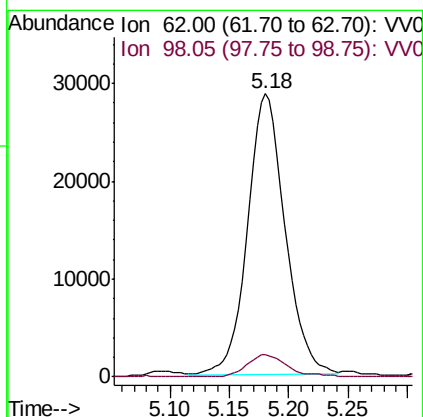
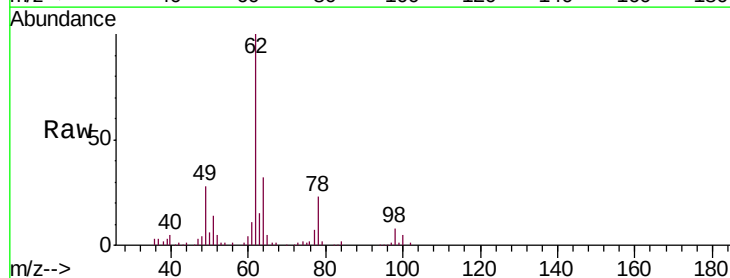
Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

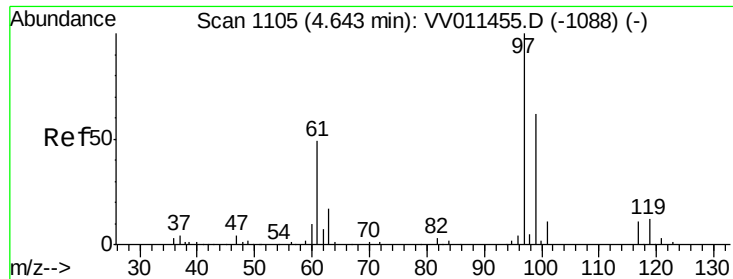
Tgt Ion: 83 Resp: 92300
Ion Ratio Lower Upper
83 100
85 67.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.723 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion: 62 Resp: 62915
Ion Ratio Lower Upper
62 100
98 7.7 6.9 10.3

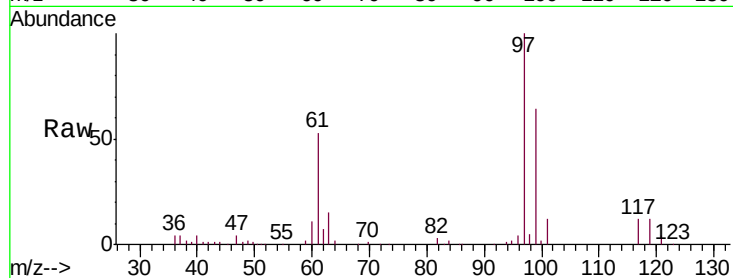




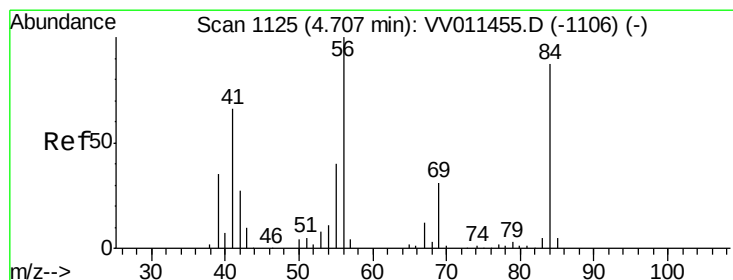
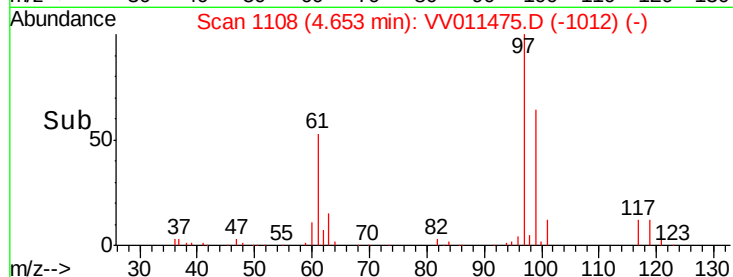
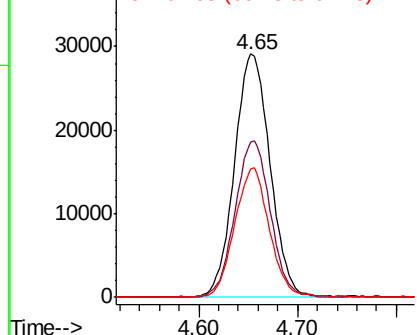
#29
 1,1,1-Trichloroethane
 Concen: 5.003 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.01 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion: 97 Resp: 73213
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.8 76.2
 61 51.8 38.9 58.3

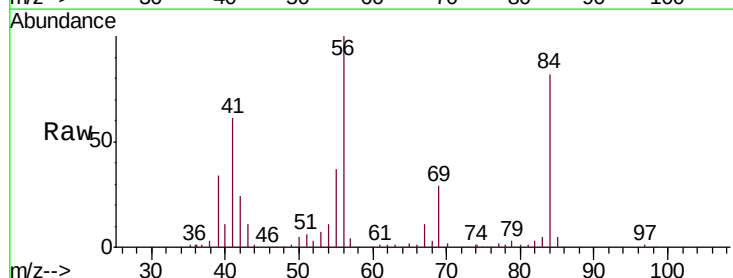


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

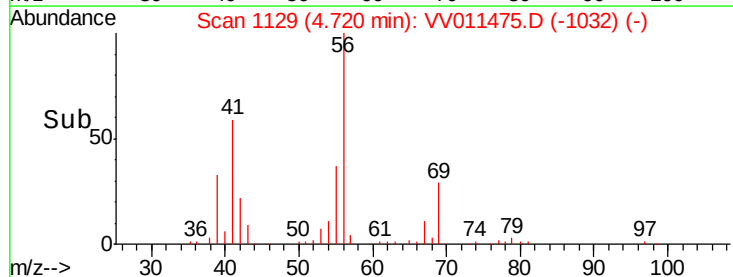
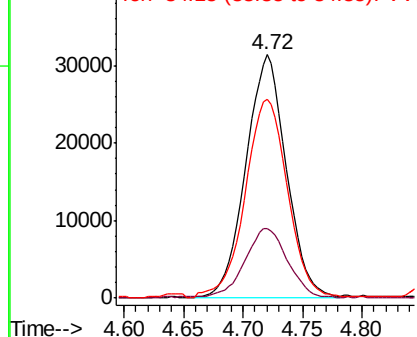


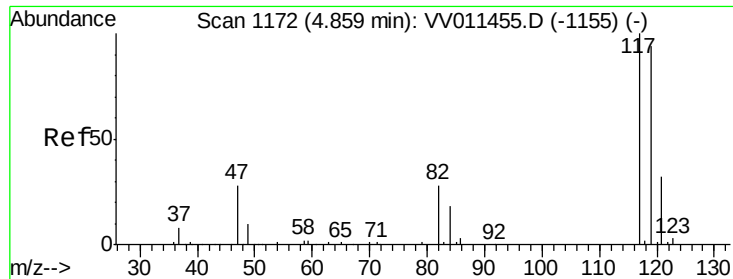
#30
 Cyclohexane
 Concen: 4.563 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Tgt Ion: 56 Resp: 74040
 Ion Ratio Lower Upper
 56 100
 69 29.3 24.1 36.1
 84 85.6 66.4 99.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.820 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

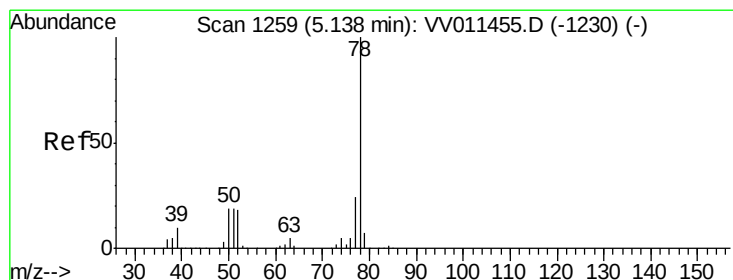
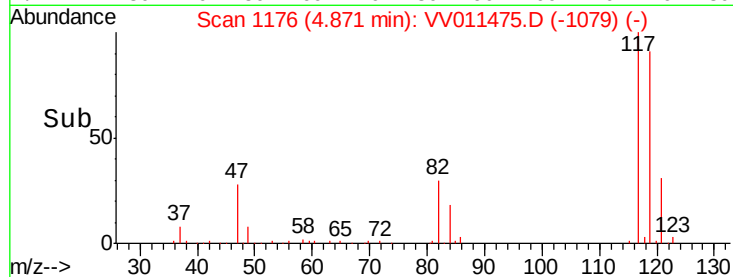
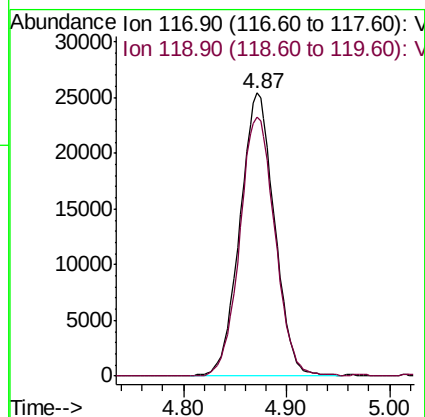
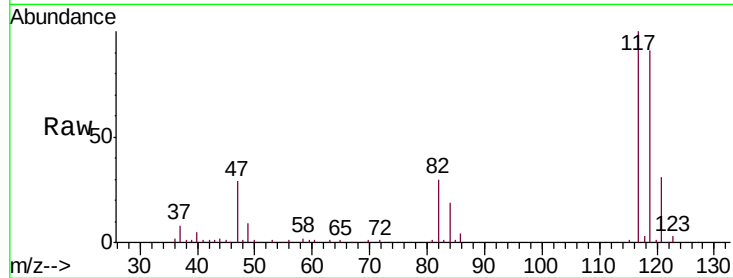
VSTD00552

Tgt Ion:117 Resp: 58950

Ion Ratio Lower Upper

117 100

119 93.3 77.9 116.9



#33

Benzene

Concen: 5.284 ug/L

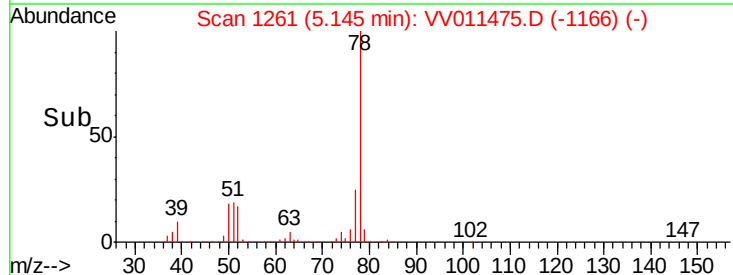
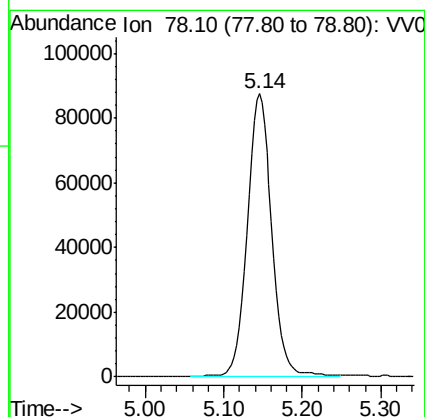
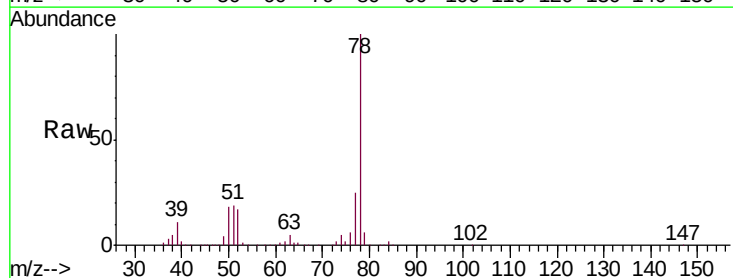
RT: 5.14 min Scan# 1261

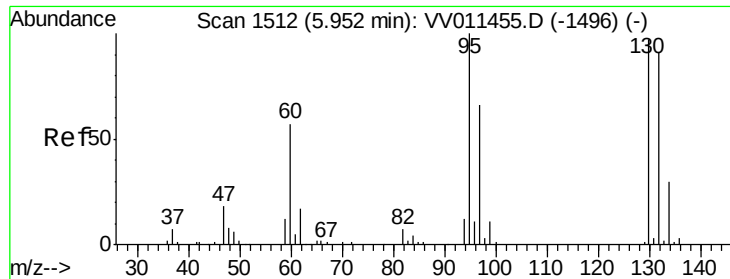
Delta R.T. 0.01 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Tgt Ion: 78 Resp: 192925





#34

Trichloroethene

Concen: 5.129 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 95 Resp: 48378

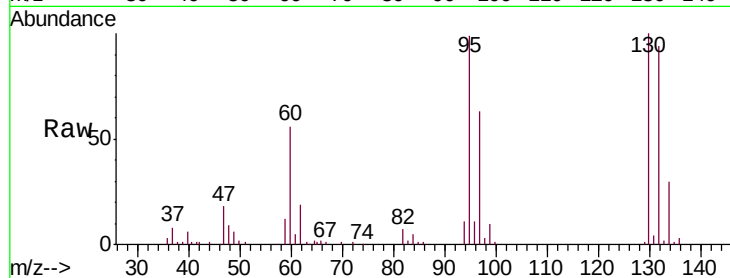
Ion Ratio Lower Upper

95 100

97 63.4 45.8 85.2

132 94.1 66.4 123.2

130 100.6 68.3 126.8

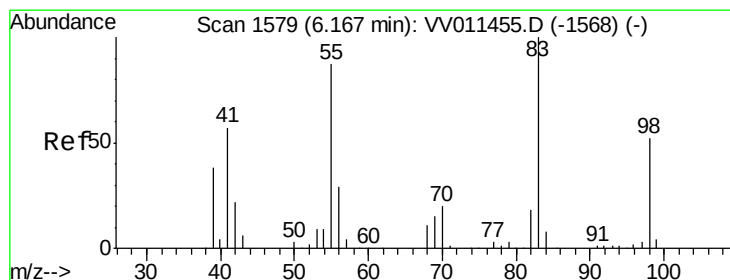
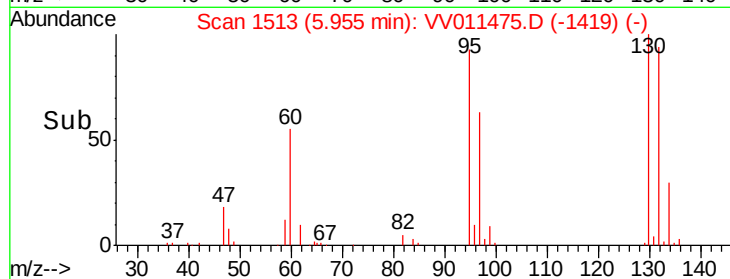
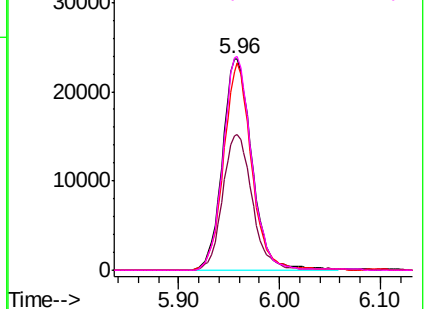


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.726 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

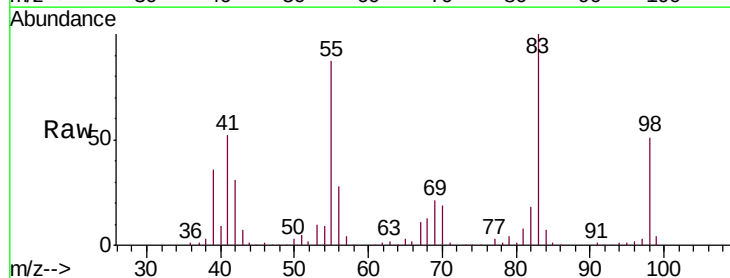
Tgt Ion: 83 Resp: 73717

Ion Ratio Lower Upper

83 100

55 83.6 67.0 100.6

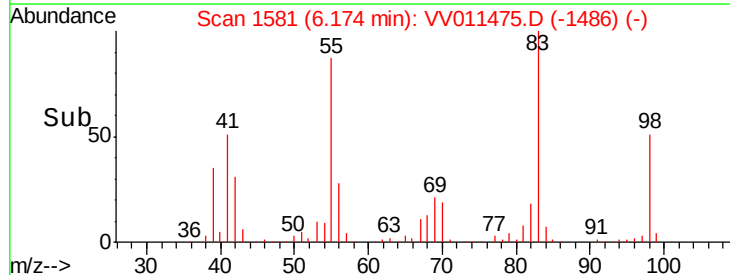
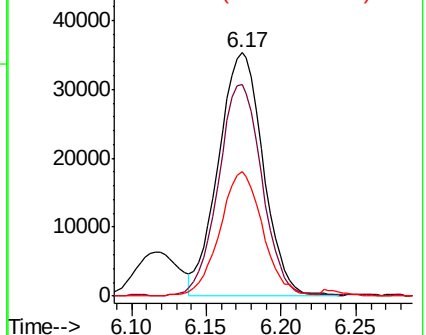
98 49.2 40.0 60.0

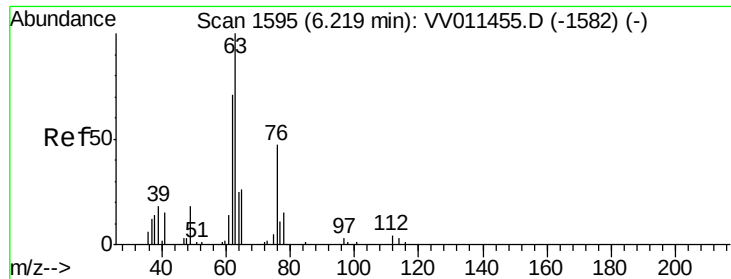


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

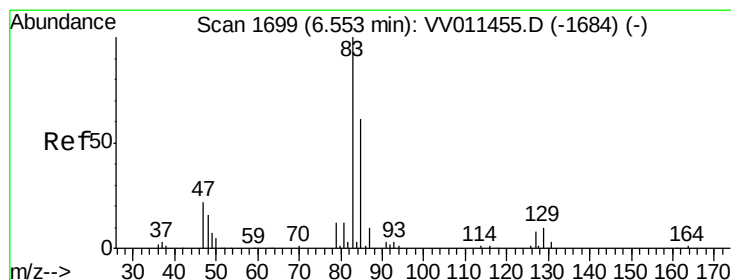
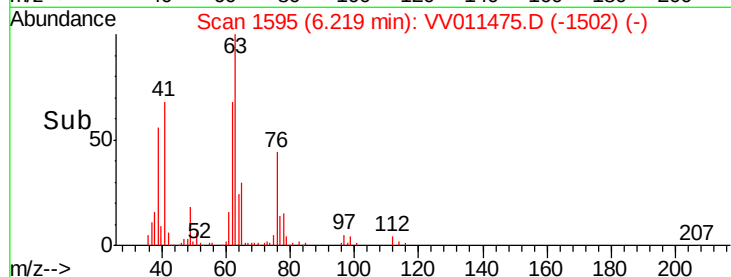
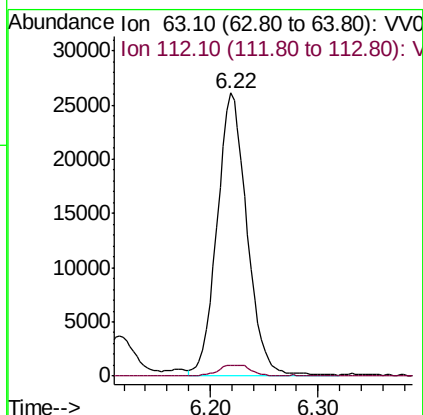
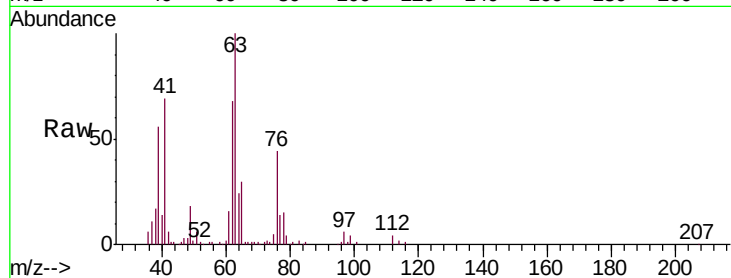




#37
 1,2-Dichloropropane
 Concen: 5.565 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

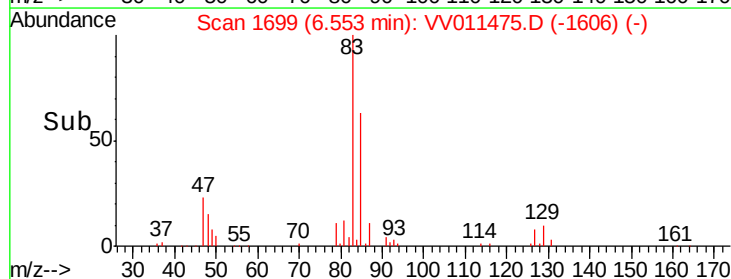
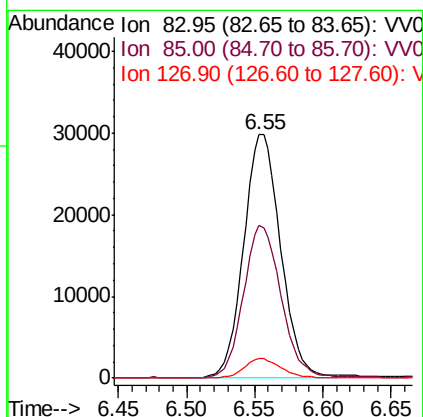
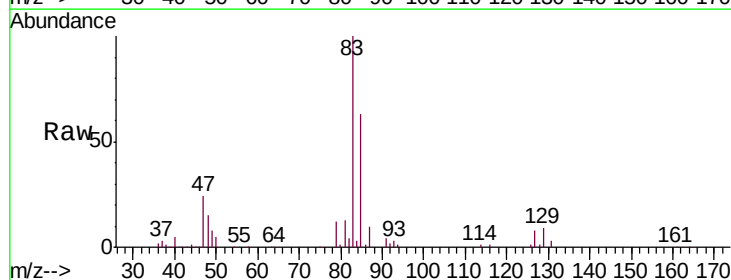
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

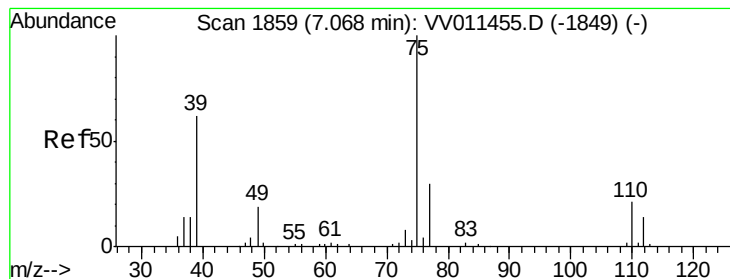
Tgt Ion: 63 Resp: 50566
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.007 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Tgt Ion: 83 Resp: 56254
 Ion Ratio Lower Upper
 83 100
 85 62.9 44.5 82.7
 127 8.3 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.622 ug/L

RT: 7.07 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

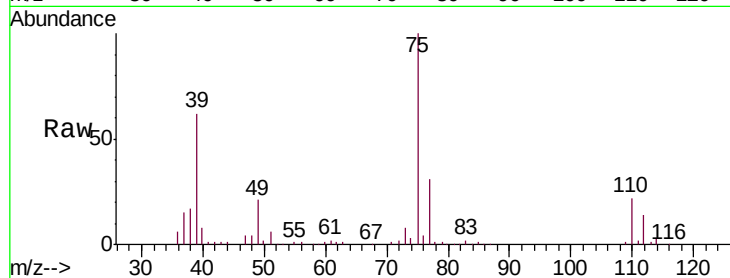
VSTD00552

Tgt Ion: 75 Resp: 61448

Ion Ratio Lower Upper

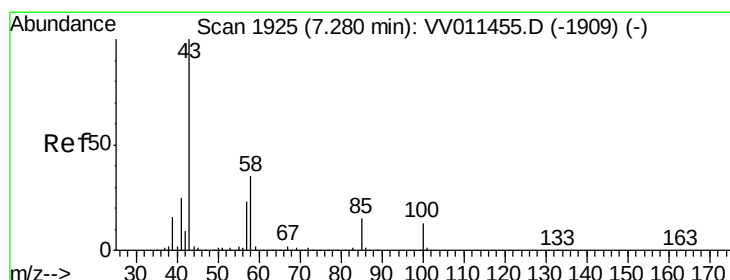
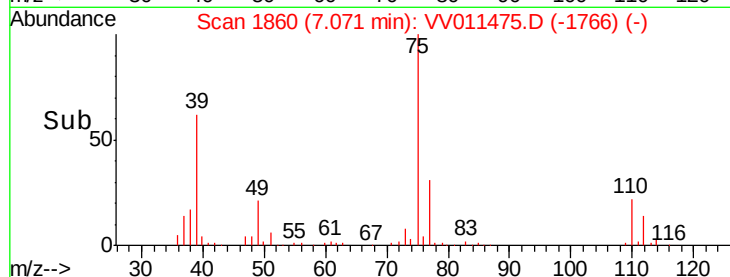
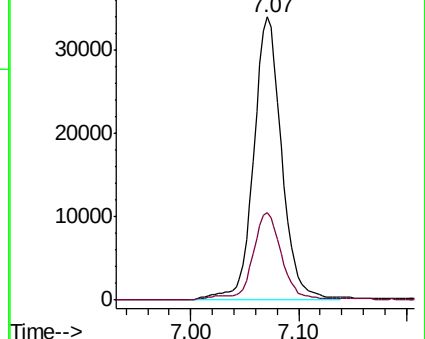
75 100

77 30.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 59.050 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

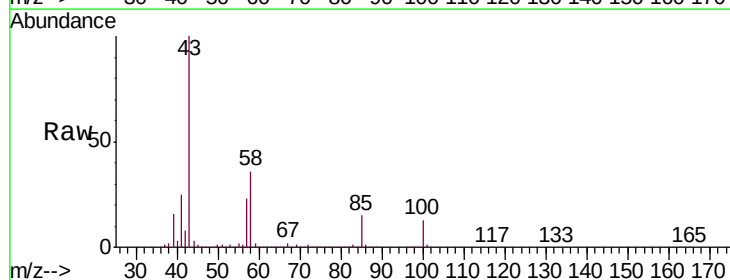
Tgt Ion: 43 Resp: 341698

Ion Ratio Lower Upper

43 100

58 35.1 29.3 43.9

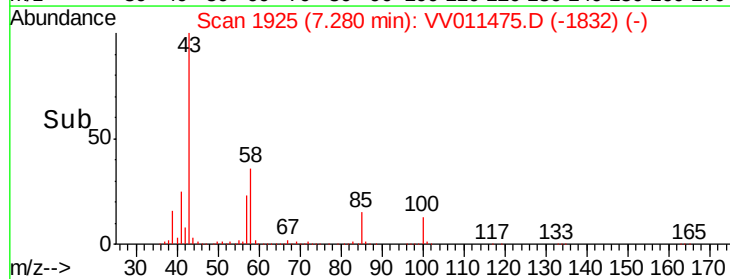
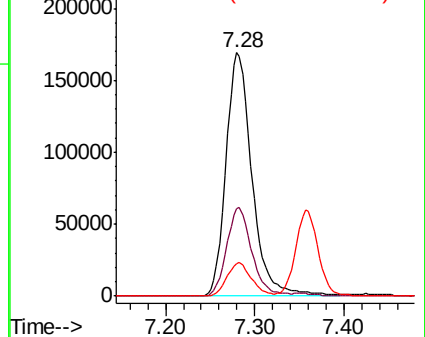
100 13.0 10.6 16.0

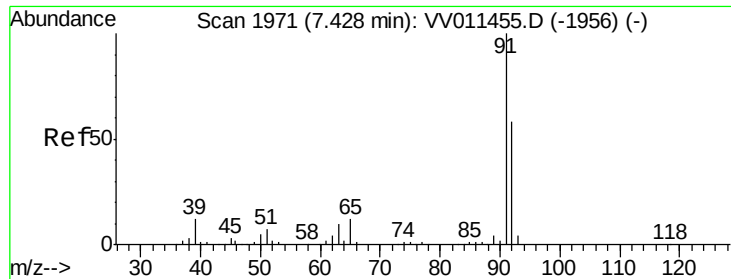


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.201 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

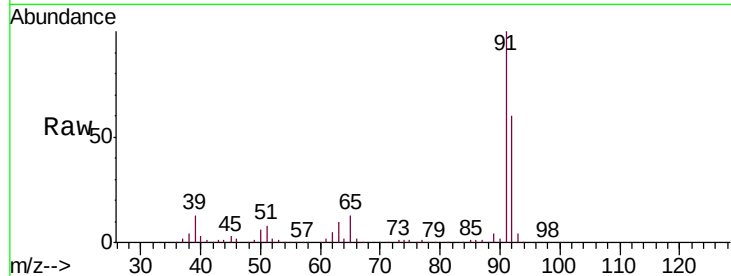
VSTD00552

Tgt Ion: 91 Resp: 202400

Ion Ratio Lower Upper

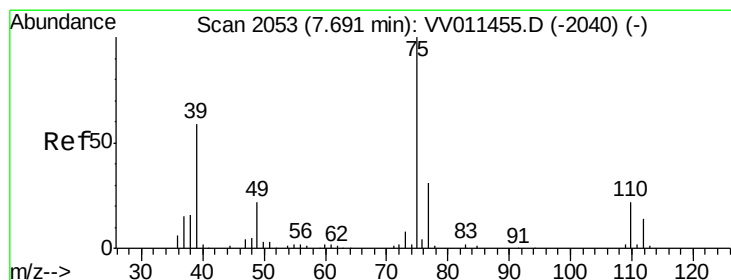
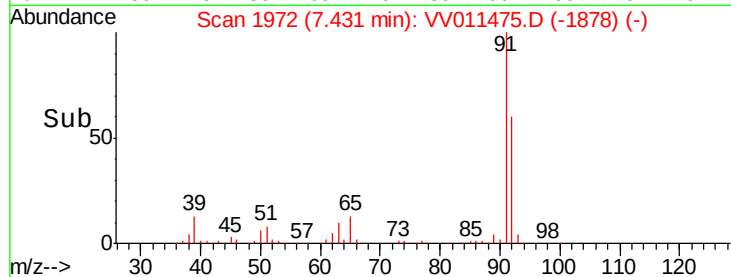
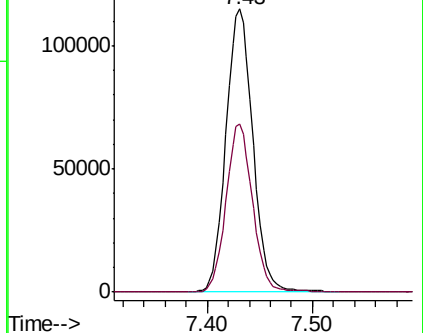
91 100

92 59.6 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.816 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011475.D

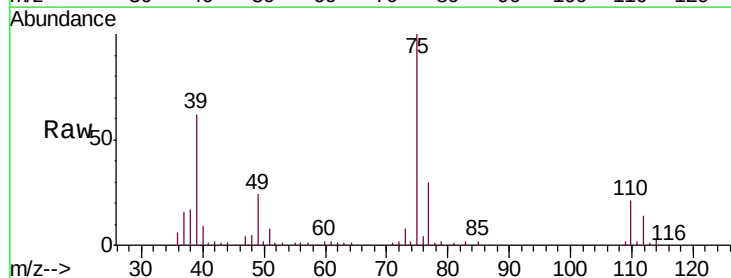
Acq: 13 Jun 2019 22:00

Tgt Ion: 75 Resp: 48678

Ion Ratio Lower Upper

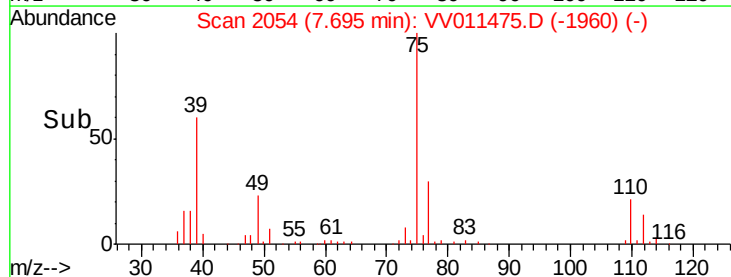
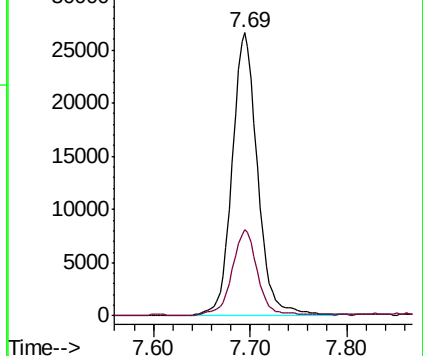
75 100

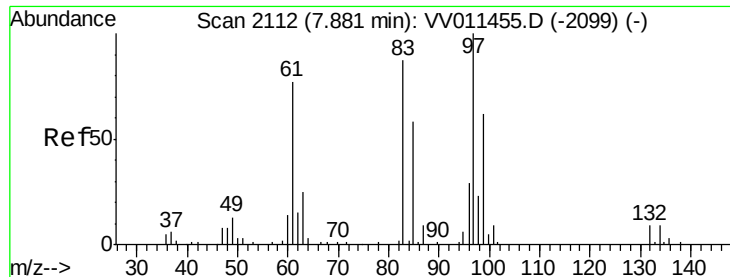
77 30.4 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.801 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

Tgt Ion: 97 Resp: 33742

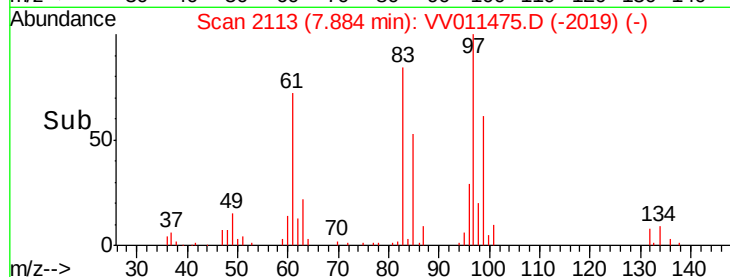
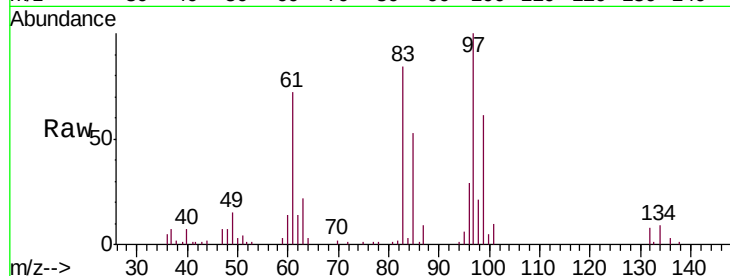
Ion Ratio Lower Upper

97 100

99 61.0 42.1 78.3

83 83.8 59.4 110.2

85 53.1 39.7 73.7

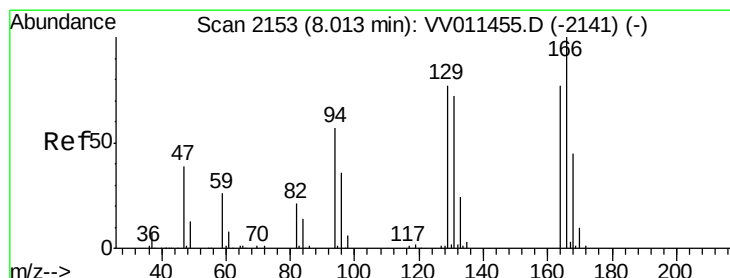
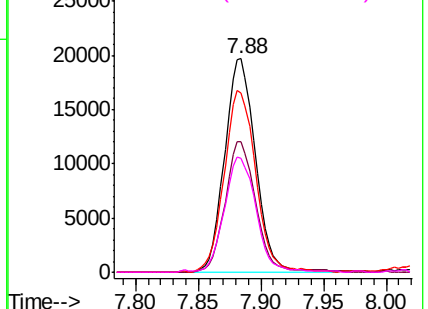


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 4.973 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Tgt Ion: 164 Resp: 33899

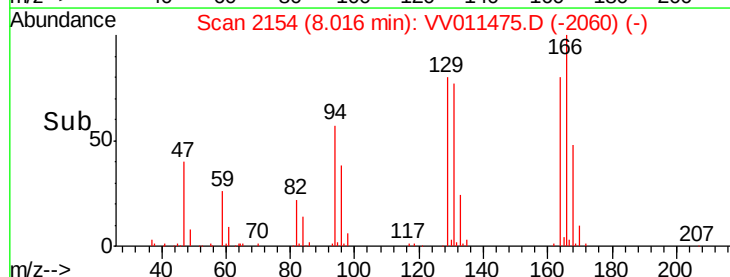
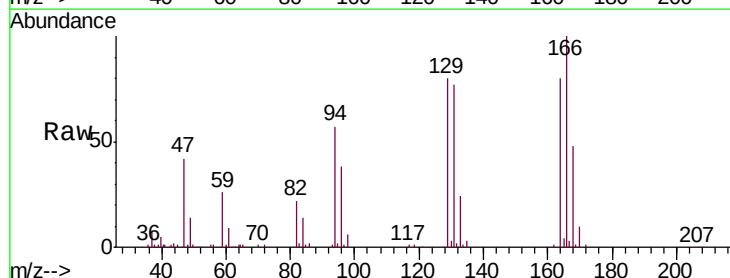
Ion Ratio Lower Upper

164 100

129 100.1 69.9 129.9

131 95.8 66.8 124.2

166 125.0 90.2 167.6

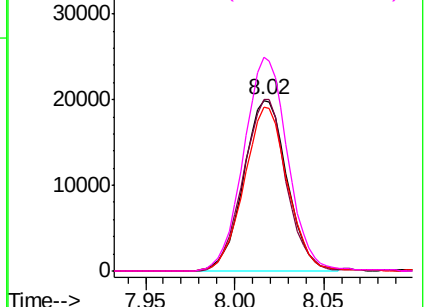


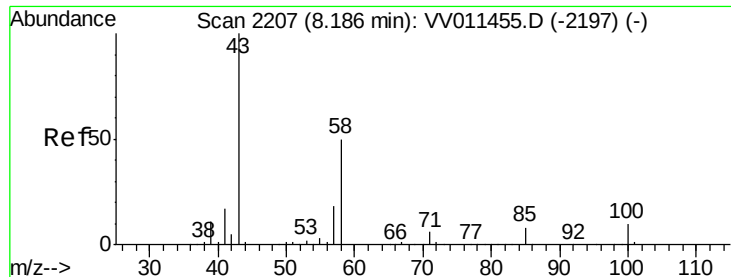
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

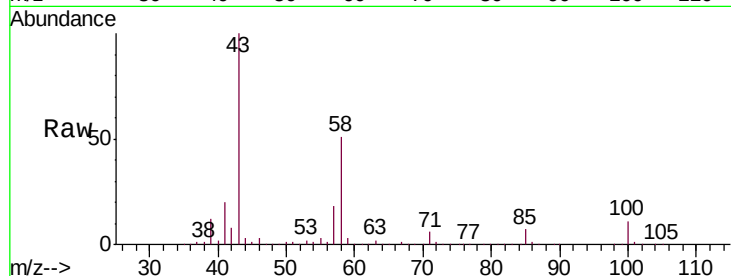




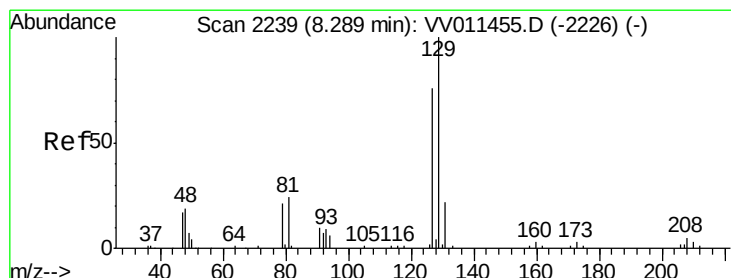
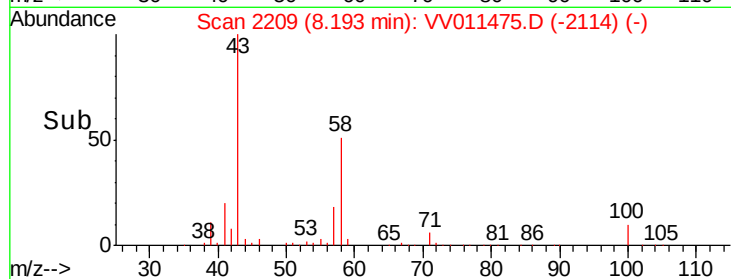
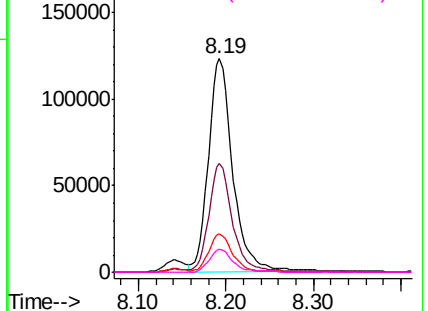
#48
2-Hexanone
Concen: 59.013 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion: 43 Resp: 238158
Ion Ratio Lower Upper
43 100
58 48.8 41.4 62.0
57 17.5 15.0 22.4
100 10.4 9.0 13.4

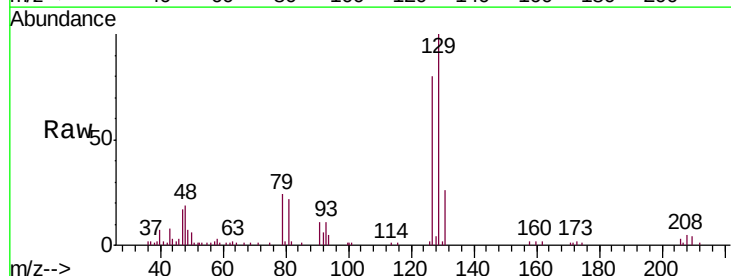


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

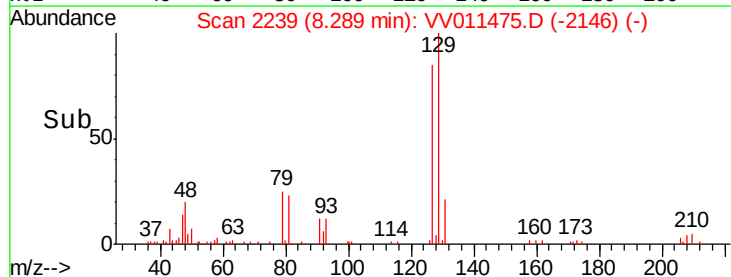
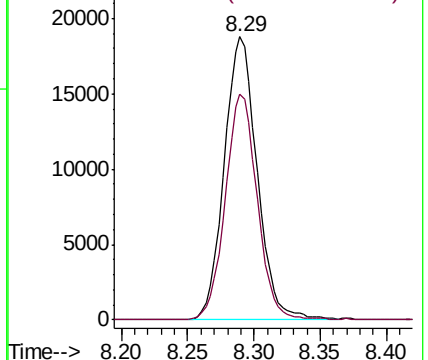


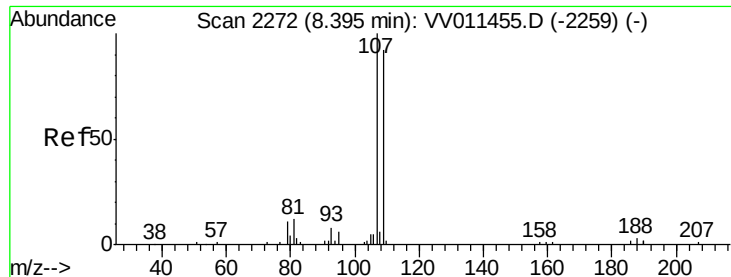
#49
Dibromochloromethane
Concen: 4.906 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion: 129 Resp: 32415
Ion Ratio Lower Upper
129 100
127 79.8 53.7 99.7



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

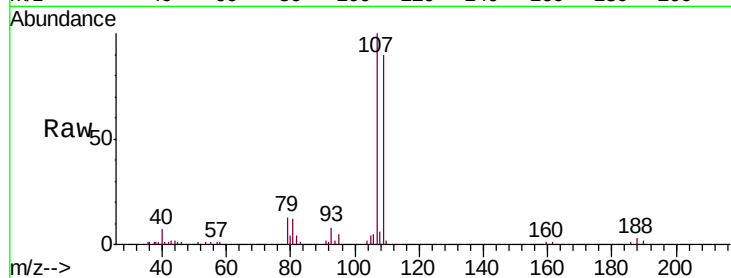




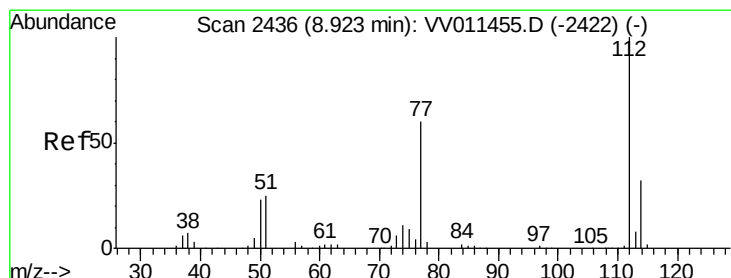
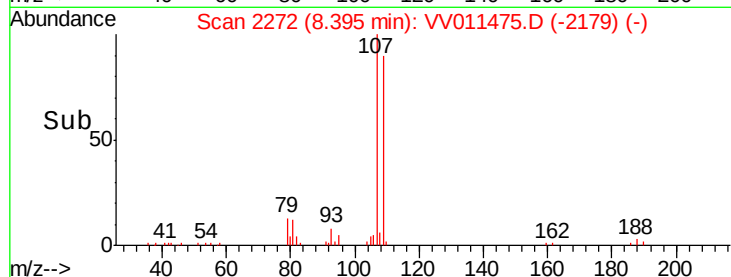
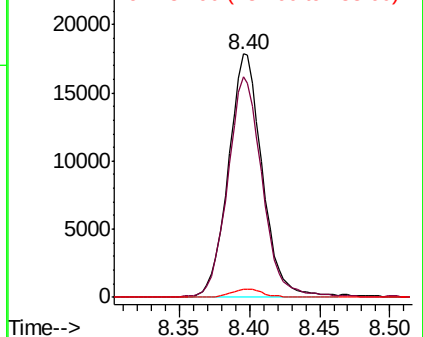
#50
1,2-Dibromoethane
Concen: 5.434 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion:107 Resp: 30045
Ion Ratio Lower Upper
107 100
109 90.4 64.5 119.9
188 3.2 2.7 4.1

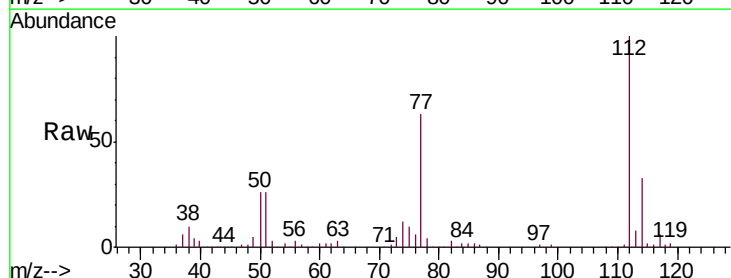


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

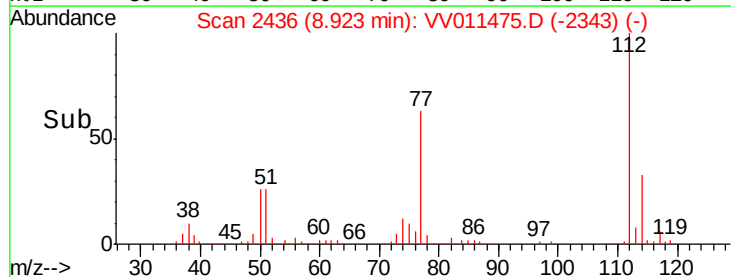
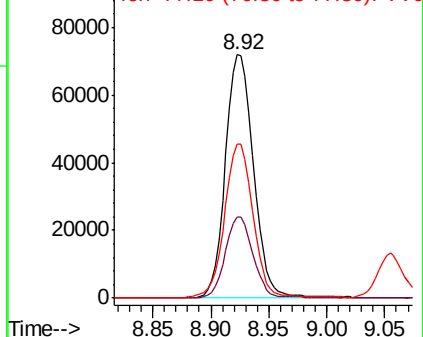


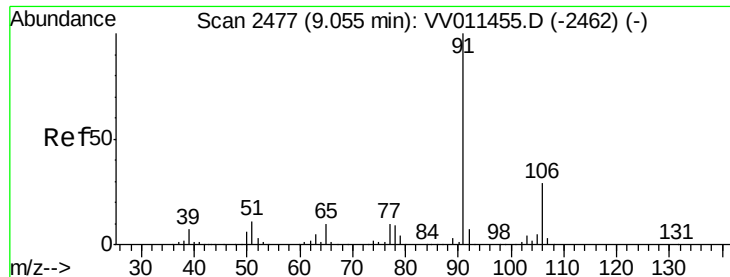
#51
Chlorobenzene
Concen: 5.117 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion:112 Resp: 121432
Ion Ratio Lower Upper
112 100
114 33.4 22.6 42.0
77 63.4 50.1 75.1



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.008 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

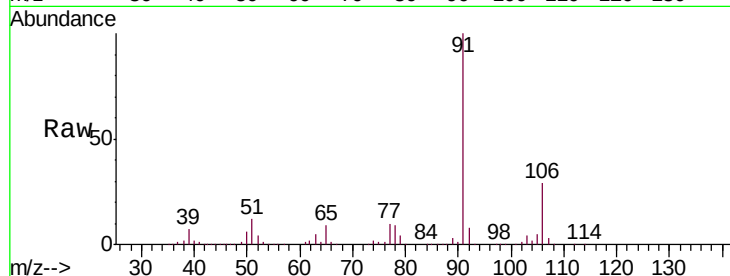
VSTD00552

Tgt Ion: 91 Resp: 216427

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011475.D (-2462) (-)

Ion 106.15 (105.85 to 106.85): VV011475.D (-2462) (-)

9.05

150000

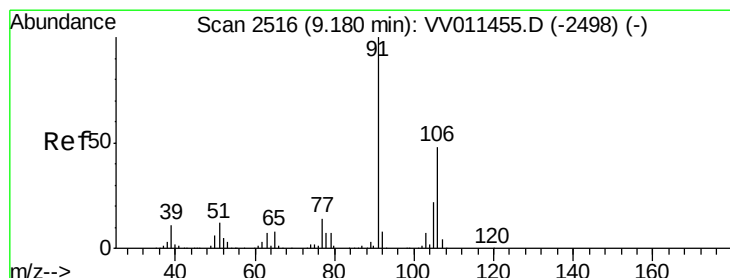
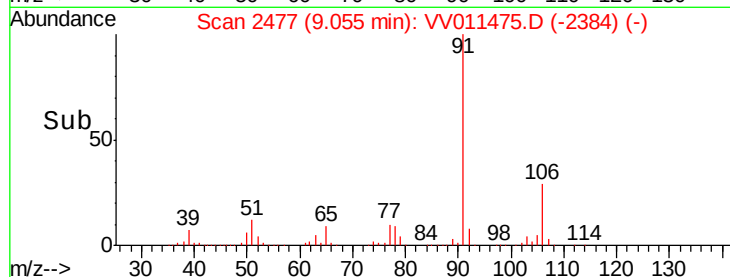
100000

50000

0

Time-->

9.00 9.05 9.10 9.15



#53

m,p-xylene

Concen: 4.877 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV011475.D

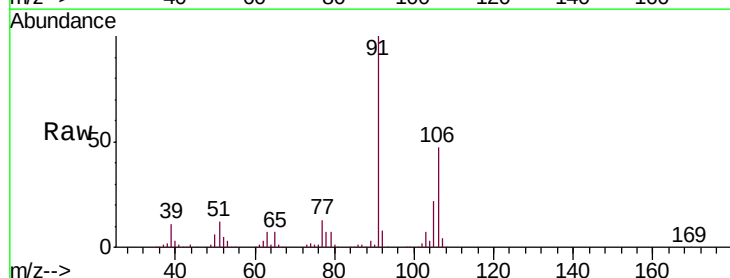
Acq: 13 Jun 2019 22:00

Tgt Ion: 106 Resp: 77947

Ion Ratio Lower Upper

106 100

91 212.6 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011475.D (-2498) (-)

Ion 91.15 (90.85 to 91.85): VV011475.D (-2498) (-)

9.18

100000

80000

60000

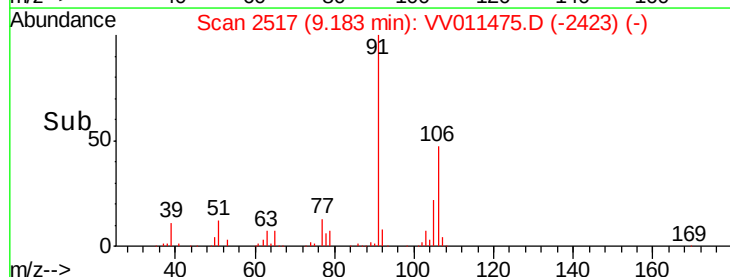
40000

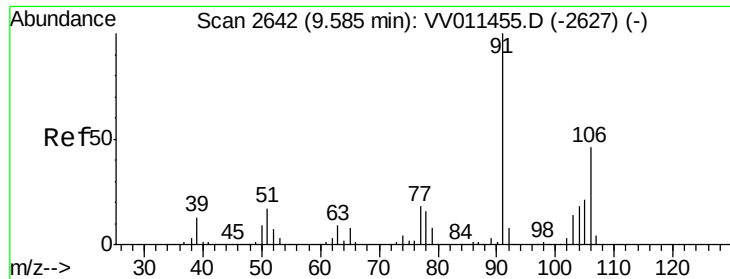
20000

0

Time-->

9.10 9.20 9.30

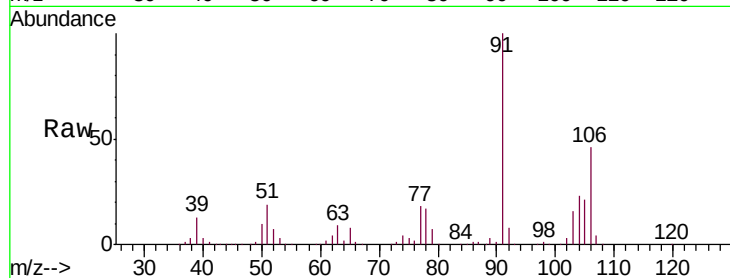




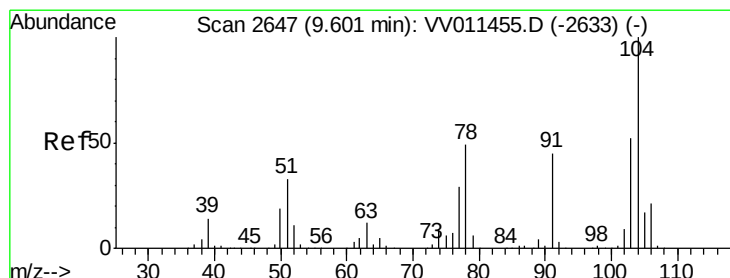
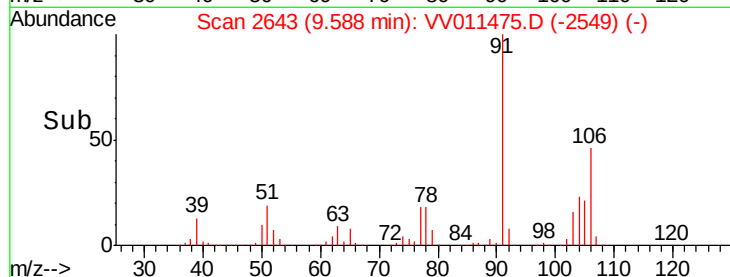
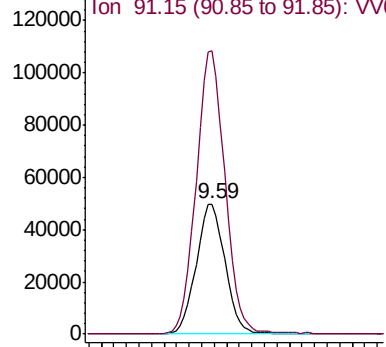
#54
o-xylene
Concen: 5.094 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00552

Tgt Ion:106 Resp: 79898
Ion Ratio Lower Upper
106 100
91 217.2 155.4 288.6

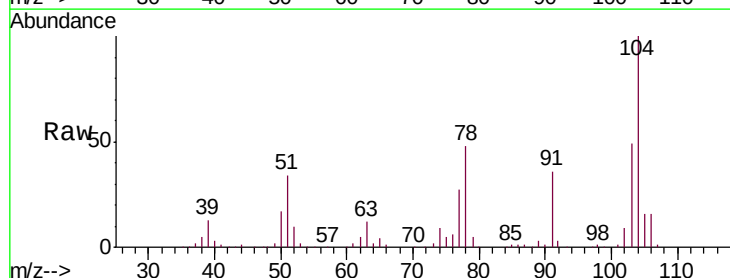


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

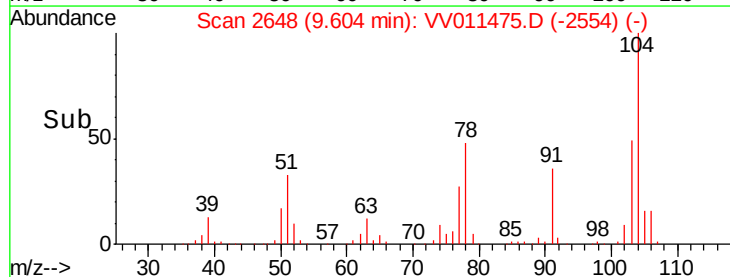
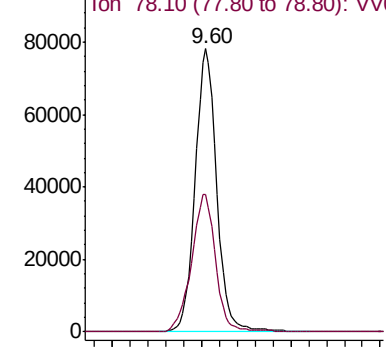


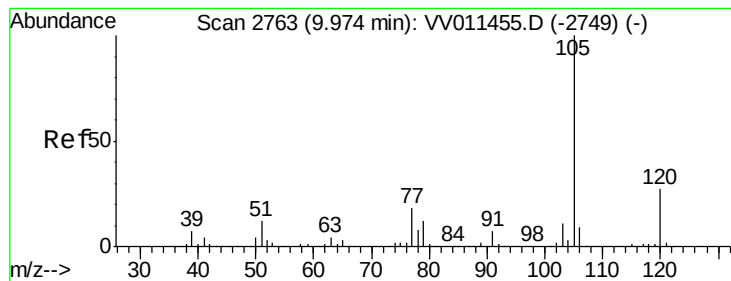
#55
Styrene
Concen: 5.119 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011475.D
Acq: 13 Jun 2019 22:00

Tgt Ion:104 Resp: 130765
Ion Ratio Lower Upper
104 100
78 48.4 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.943 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

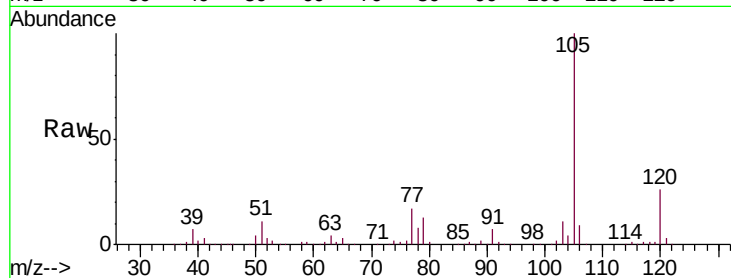
Tgt Ion: 105 Resp: 208641

Ion Ratio Lower Upper

105 100

120 25.7 20.9 31.3

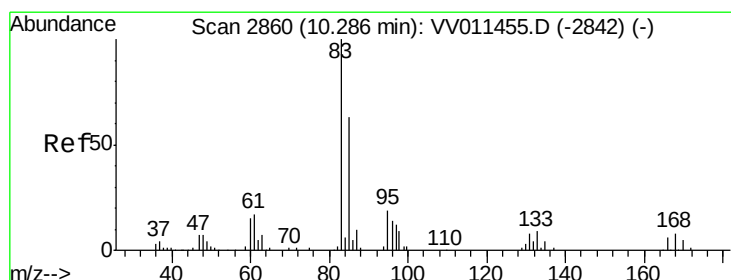
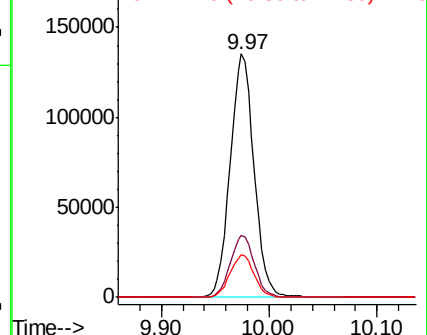
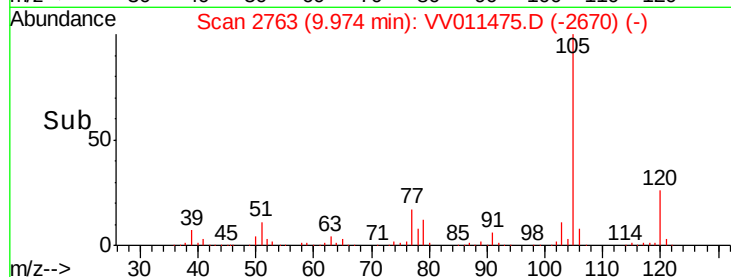
77 17.6 13.8 20.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.547 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

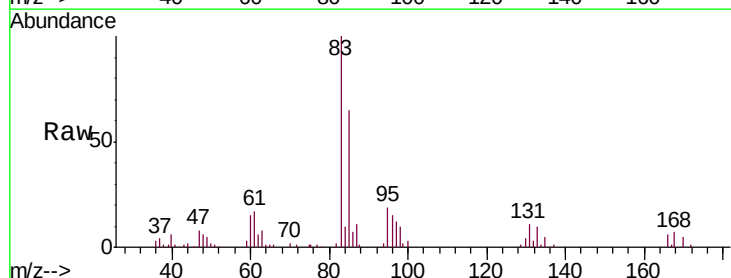
Tgt Ion: 83 Resp: 39119

Ion Ratio Lower Upper

83 100

85 64.7 43.5 80.9

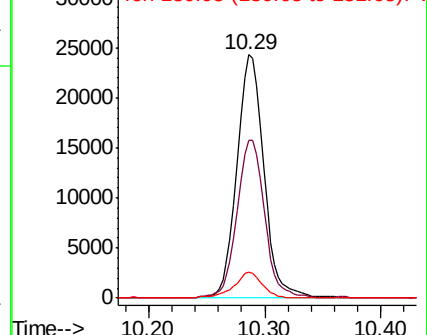
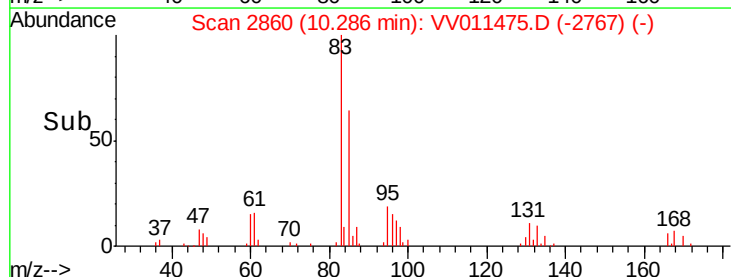
131 10.9 7.5 11.3

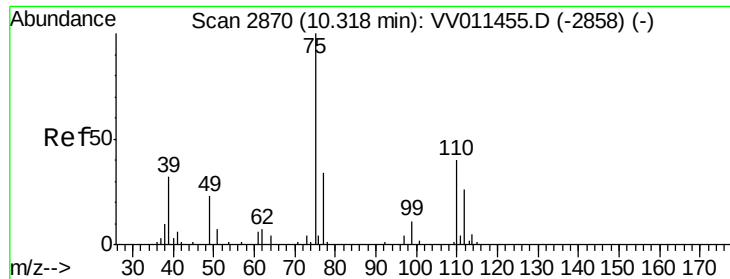


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.572 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

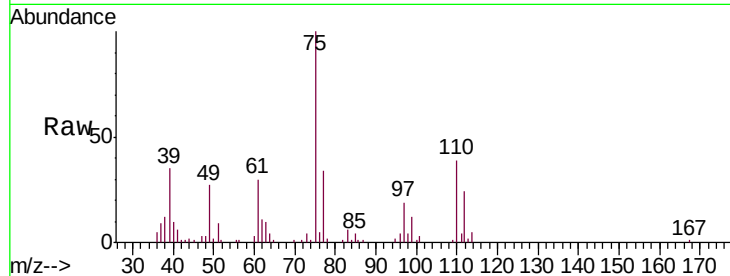
VSTD00552

Tgt Ion: 75 Resp: 29531

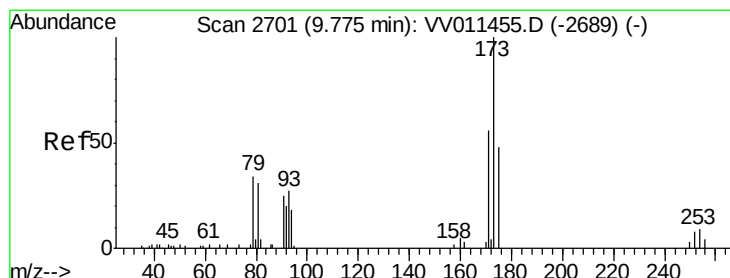
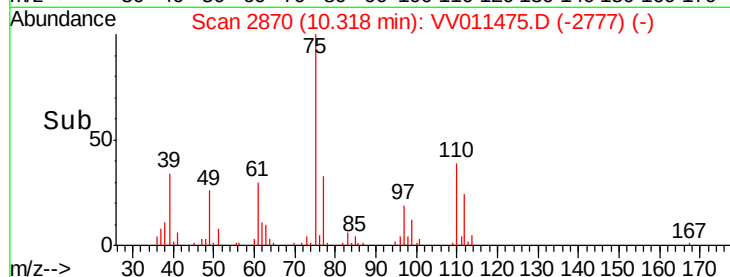
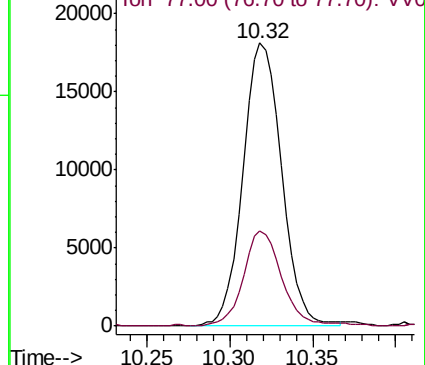
Ion Ratio Lower Upper

75 100

77 33.8 26.7 40.1



Abundance Ion 75.00 (74.70 to 75.70): VV011475.D (-2777) (-)



#61

Bromoform

Concen: 4.832 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

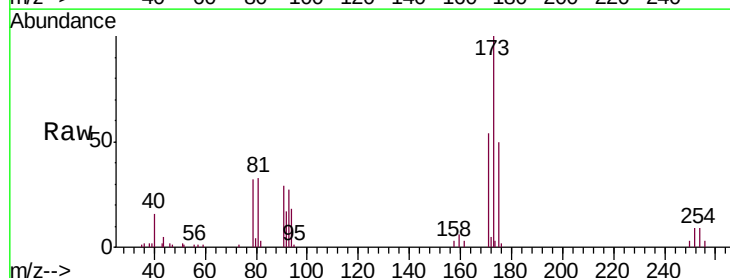
Tgt Ion: 173 Resp: 14366

Ion Ratio Lower Upper

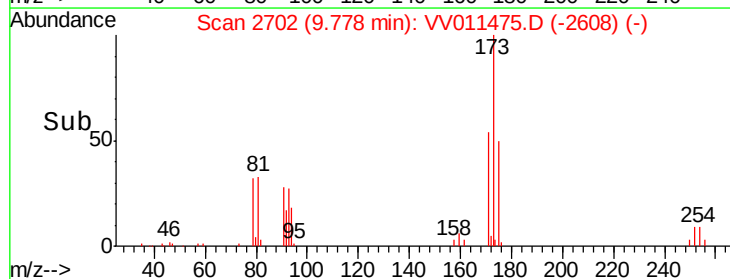
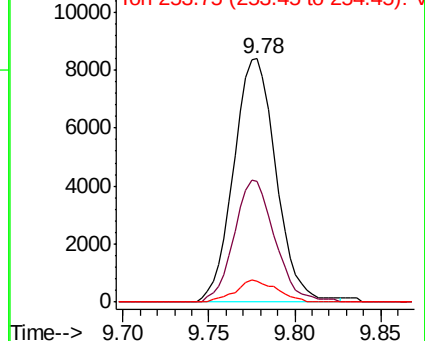
173 100

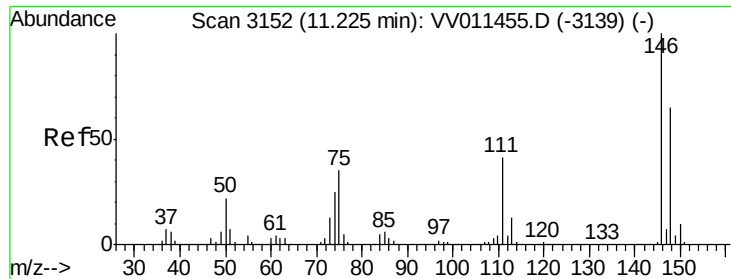
175 48.2 37.0 55.4

254 8.8 6.9 10.3



Abundance Ion 172.90 (172.60 to 173.60): VV011475.D (-2608) (-)





#62

1,3-Dichlorobenzene

Concen: 5.007 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

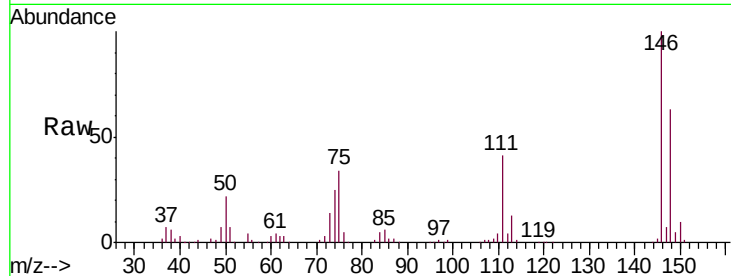
Tgt Ion:146 Resp: 81941

Ion Ratio Lower Upper

146 100

111 41.4 29.0 53.9

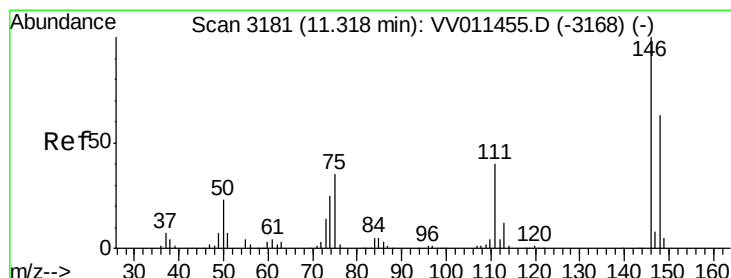
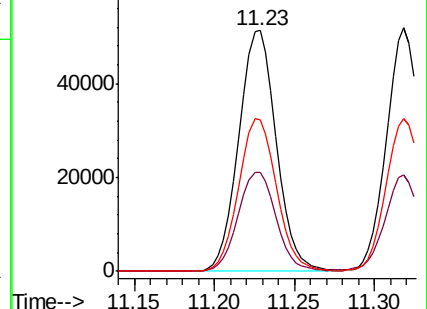
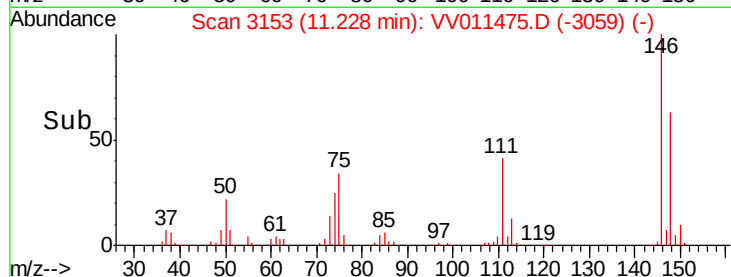
148 62.7 44.0 81.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.098 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

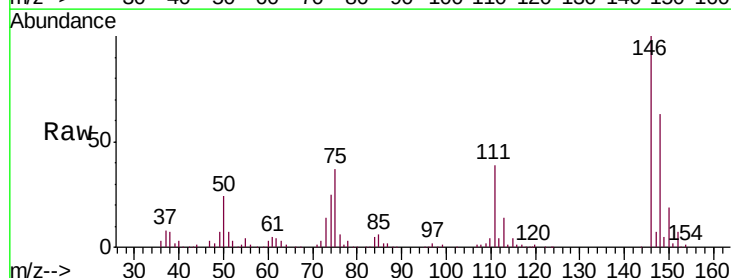
Tgt Ion:146 Resp: 80991

Ion Ratio Lower Upper

146 100

111 39.5 28.3 52.5

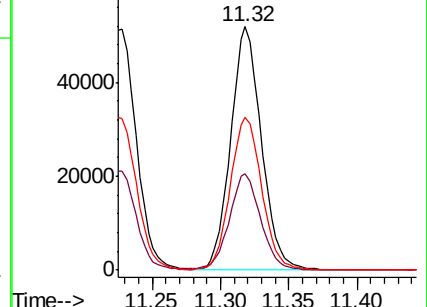
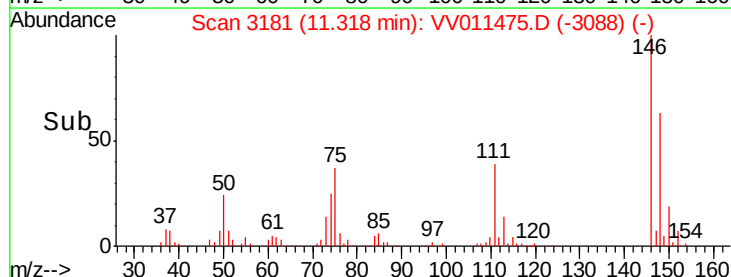
148 62.6 44.6 82.8

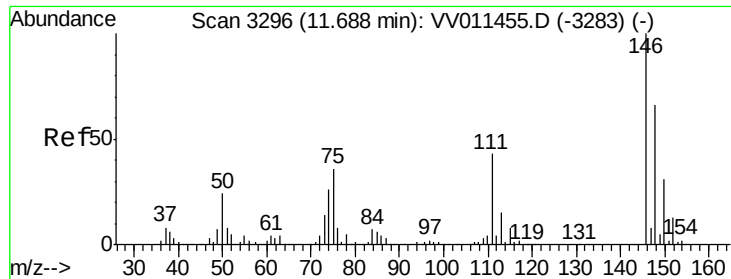


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.311 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

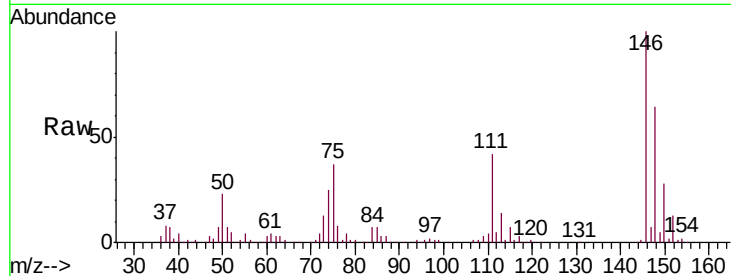
Tgt Ion:146 Resp: 80344

Ion Ratio Lower Upper

146 100

111 42.4 33.9 50.9

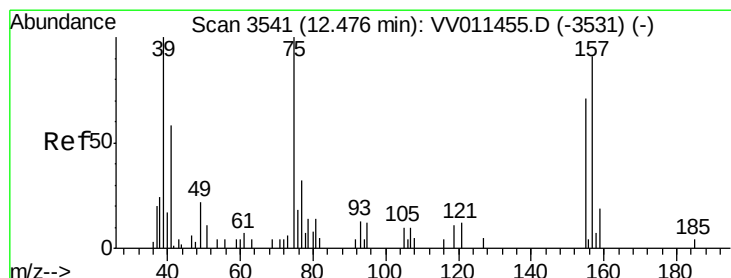
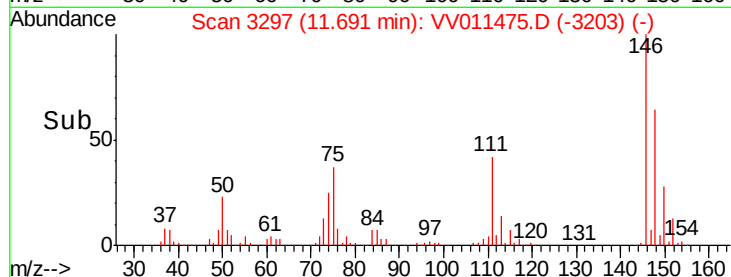
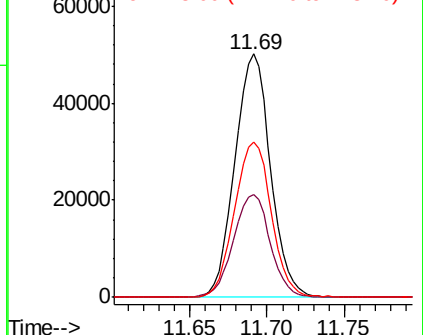
148 63.8 50.3 75.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.515 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

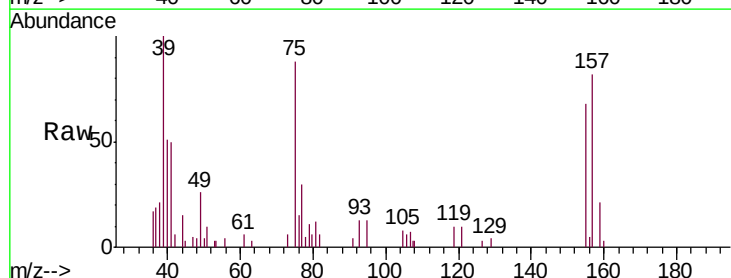
Tgt Ion: 75 Resp: 4895

Ion Ratio Lower Upper

75 100

155 77.8 64.4 96.6

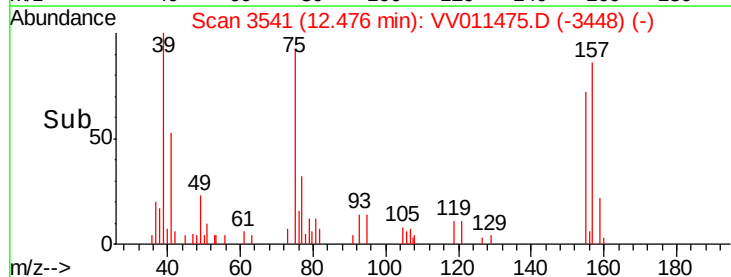
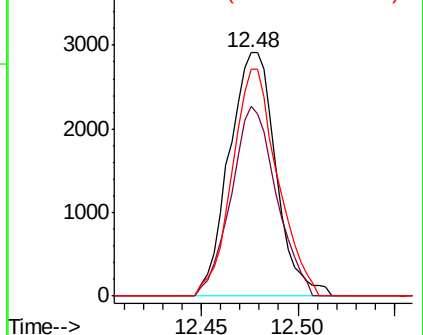
157 93.3 66.7 100.1

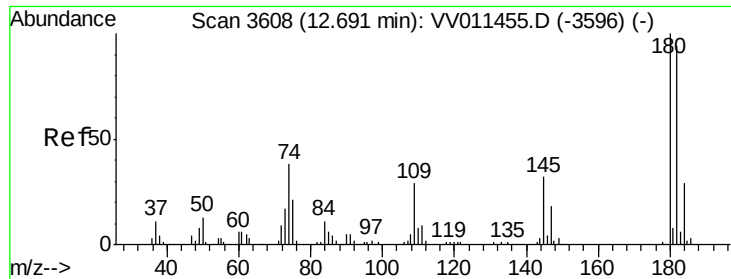


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

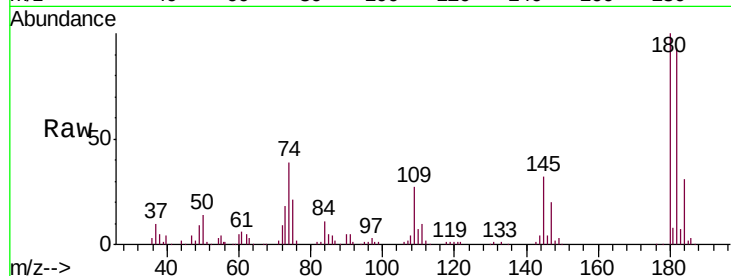




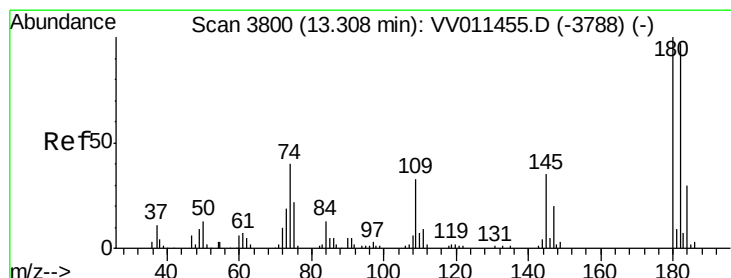
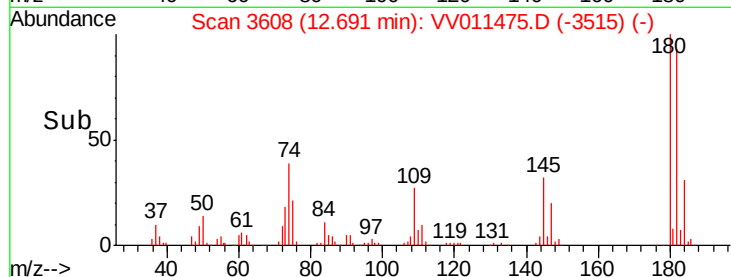
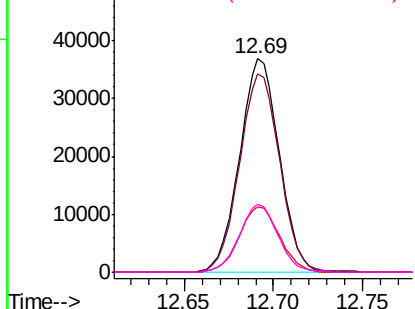
#67
 1,3,5-Trichlorobenzene
 Concen: 4.868 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00552

Tgt Ion:180 Resp: 57323
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 184 31.2 23.8 35.8
 145 30.8 24.2 36.2

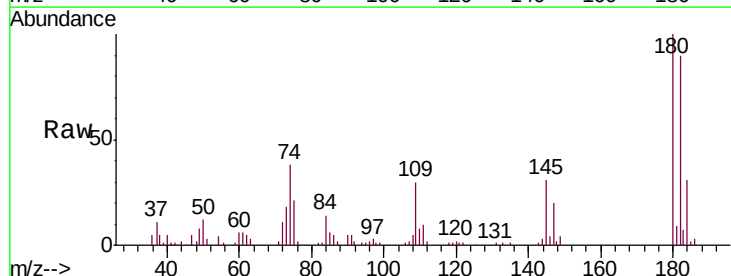


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

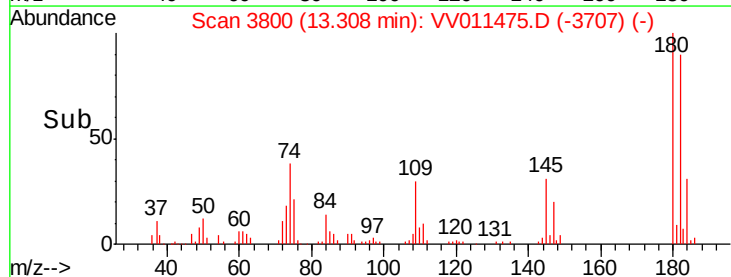
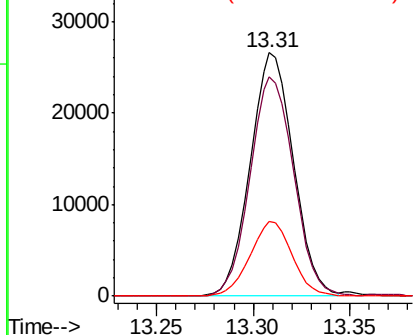


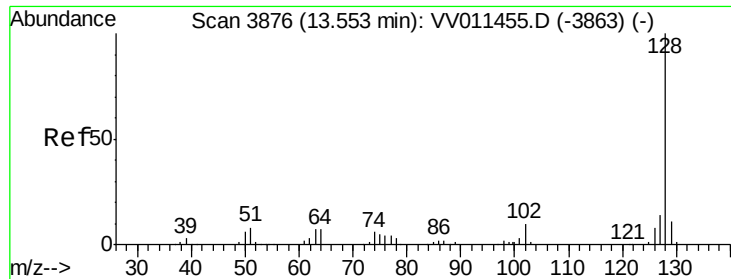
#68
 1,2,4-trichlorobenzene
 Concen: 4.629 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011475.D
 Acq: 13 Jun 2019 22:00

Tgt Ion:180 Resp: 41384
 Ion Ratio Lower Upper
 180 100
 182 91.1 78.8 118.2
 145 29.8 26.3 39.5



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.389 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00552

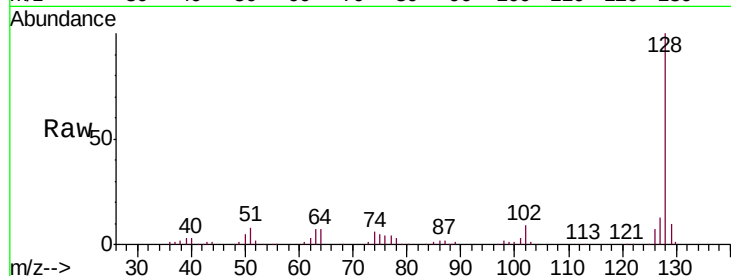
Tgt Ion:128 Resp: 64227

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

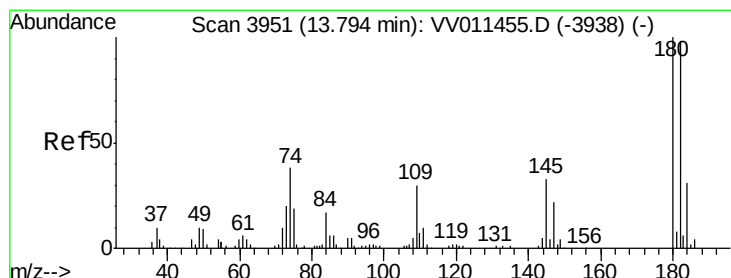
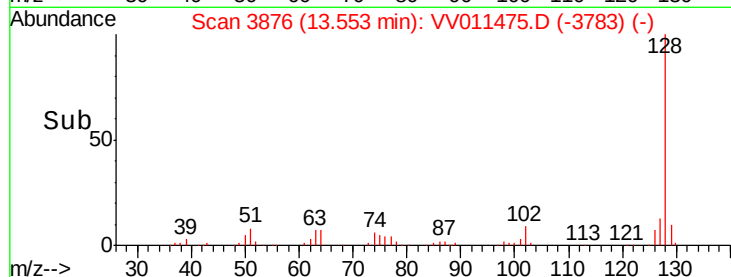
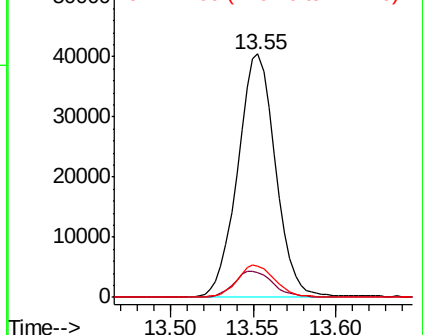
127 13.3 10.5 15.7



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: 4.836 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011475.D

Acq: 13 Jun 2019 22:00

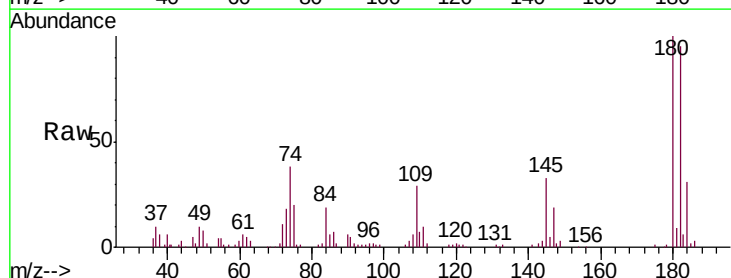
Tgt Ion:180 Resp: 38764

Ion Ratio Lower Upper

180 100

182 93.4 78.6 117.8

145 35.0 26.9 40.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

