

Data File : VV011455.D
Acq On : 13 Jun 2019 11:24
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Jun 14 04:02:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 03:57:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	119135	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	115839	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	52717	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	44523	4.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.60%
7) Chloroethane-d5	1.55	69	34279	4.57	ug/L	-0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	2.12	63	92362	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	3.95	46	117076	57.61	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.22%
24) Chloroform-d	4.39	84	86787	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.20%
26) 1,2-Dichloroethane-d4	5.08	65	47079	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.09	84	163680	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.11	67	50694	4.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.00%
41) Toluene-d8	7.36	98	152041	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.66	79	16621	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.13	63	90815	52.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.66%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38737	5.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	51316	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	56698	4.826	ug/L 99
3) Chloromethane	1.24	50	57067	5.023	ug/L 98
5) Vinyl chloride	1.32	62	57606	5.256	ug/L # 60
6) Bromomethane	1.51	94	29346	5.146	ug/L 94
8) Chloroethane	1.57	64	34505	4.926	ug/L 97
9) Trichlorofluoromethane	1.75	101	84308	5.603	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44075	5.707	ug/L 97
12) 1,1-Dichloroethene	2.13	96	39876	5.312	ug/L 95
13) Acetone	2.19	43	82572	60.596	ug/L 99
14) Carbon disulfide	2.31	76	98913	4.344	ug/L 100
15) Methyl Acetate	2.46	43	20991	5.800	ug/L 97
16) Methylene chloride	2.53	84	41290	5.339	ug/L 100
17) Methyl tert-butyl Ether	2.81	73	104401	5.210	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	42481	5.055	ug/L 95
19) 1,1-Dichloroethane	3.22	63	89546	5.402	ug/L 98
21) 2-Butanone	4.04	43	119696	57.039	ug/L 95
22) cis-1,2-Dichloroethene	3.95	96	46100	4.953	ug/L # 97

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Quant Time: Jun 14 04:02:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 14 03:57:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	18060	5.062	ug/L	95
25) Chloroform	4.42	83	85732	5.008	ug/L	99
27) 1,2-Dichloroethane	5.18	62	57716	5.517	ug/L	98
29) 1,1,1-Trichloroethane	4.64	97	68733	4.652	ug/L	99
30) Cyclohexane	4.71	56	71748	4.380	ug/L	97
31) Carbon tetrachloride	4.86	117	56409	4.568	ug/L	97
33) Benzene	5.14	78	179682	4.875	ug/L	100
34) Trichloroethene	5.95	95	46500	4.883	ug/L	98
35) Methylcyclohexane	6.17	83	73139	4.644	ug/L	99
37) 1,2-Dichloropropane	6.22	63	44801	4.884	ug/L	99
38) Bromodichloromethane	6.55	83	51889	4.575	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	54131	4.033	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	299557	51.275	ug/L	99
42) Toluene	7.43	91	192923	4.911	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	42972	4.211	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	29508	5.025	ug/L	98
47) Tetrachloroethene	8.01	164	33658	4.891	ug/L	99
48) 2-Hexanone	8.19	43	209983	51.536	ug/L	96
49) Dibromochloromethane	8.29	129	29246	4.384	ug/L	99
50) 1,2-Dibromoethane	8.40	107	26824	4.805	ug/L	100
51) Chlorobenzene	8.92	112	119814	5.001	ug/L	98
52) Ethylbenzene	9.05	91	213632	4.897	ug/L	97
53) m,p-xylene	9.18	106	79660	4.937	ug/L	99
54) o-xylene	9.59	106	78980	4.988	ug/L	96
55) Styrene	9.60	104	126654	4.911	ug/L	96
56) Isopropylbenzene	9.97	105	206822	4.853	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	37468	5.263	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	27461	5.132	ug/L	100
61) Bromoform	9.77	173	12998	4.104	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	84089	4.824	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	82511	4.876	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	81300	5.046	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	4671	4.046	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	60449	4.820	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	42008	4.412	ug/L	99
69) Naphthalene	13.55	128	63299	4.062	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	40816	4.781	ug/L	98

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

Data File : VV011455.D

Acq On : 13 Jun 2019 11:24

Operator : SY/MD

Sample : VSTDCCC005

Misc : 25ML/MSV0A V/WATER

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

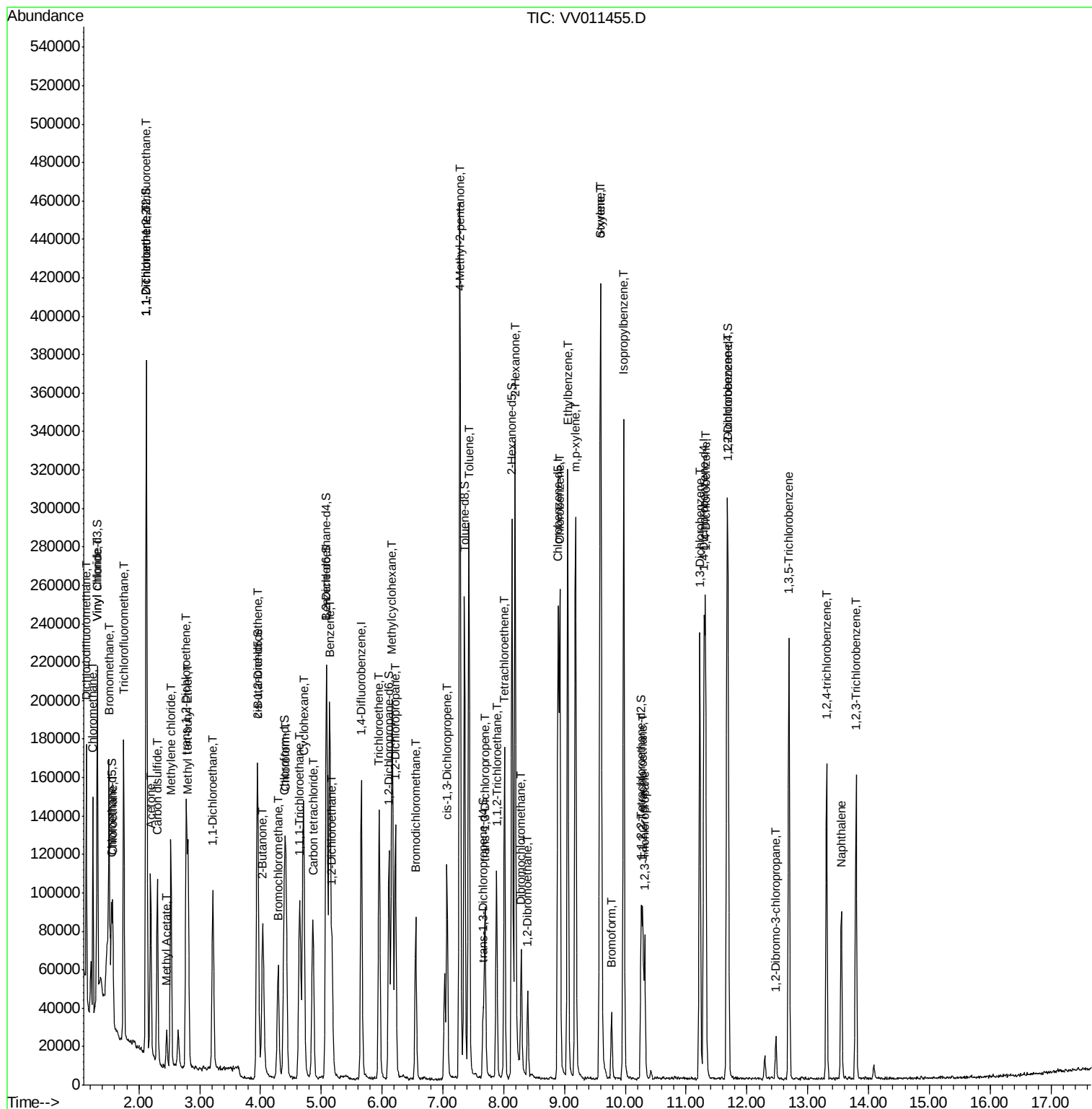
Quant Time: Jun 14 04:02:47 2019

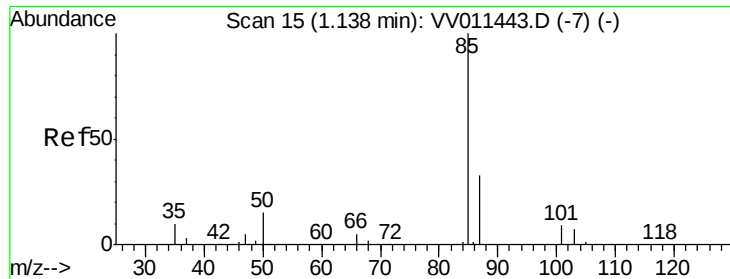
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Jun 14 03:57:16 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.826 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

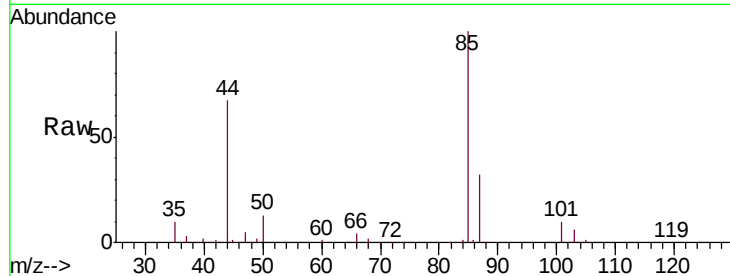
VSTD00551

Tgt Ion: 85 Resp: 56698

Ion Ratio Lower Upper

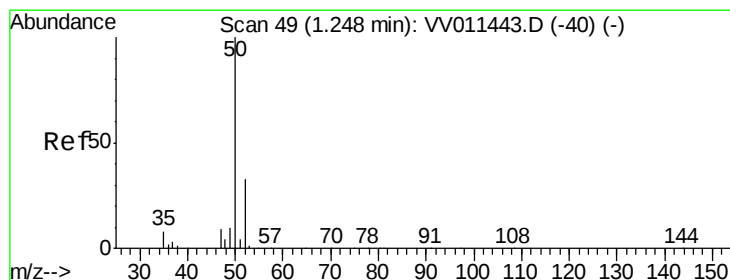
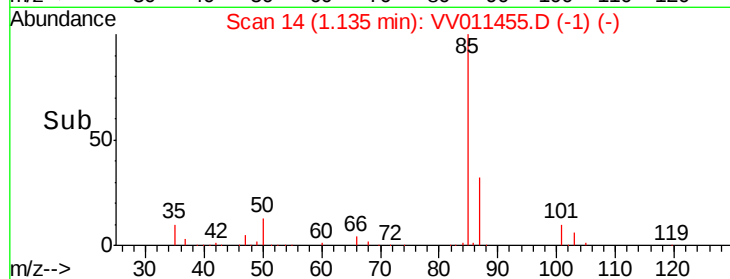
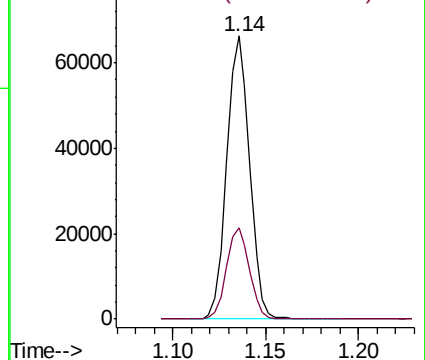
85 100

87 32.4 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: 5.023 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.00 min

Lab File: VV011455.D

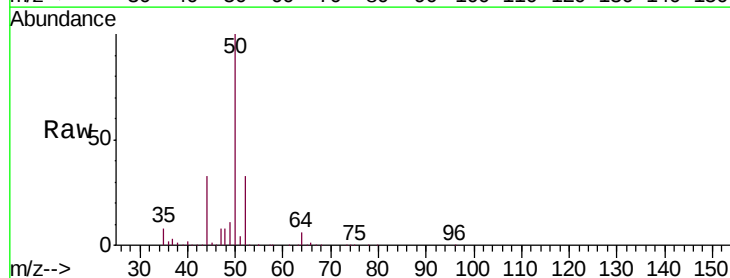
Acq: 13 Jun 2019 11:24

Tgt Ion: 50 Resp: 57067

Ion Ratio Lower Upper

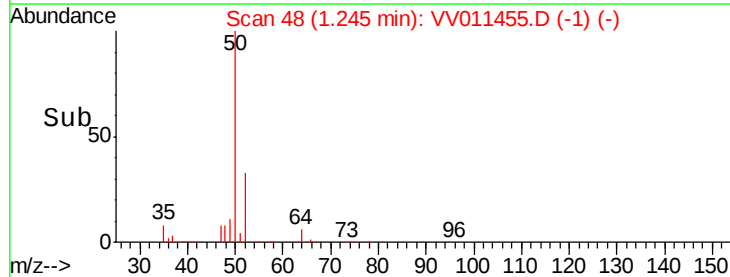
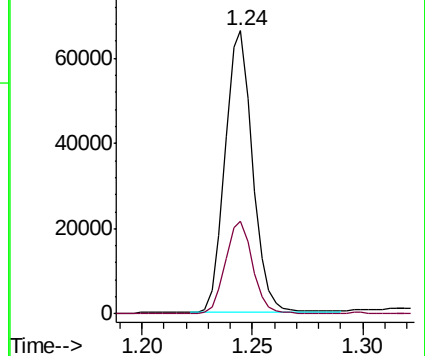
50 100

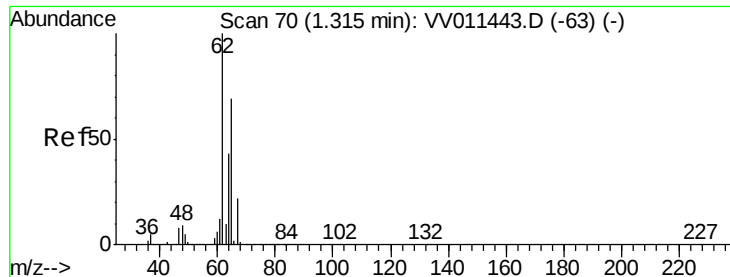
52 32.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 5.256 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

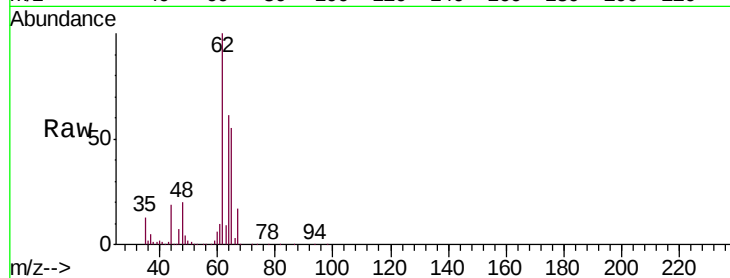
VSTD00551

Tgt Ion: 62 Resp: 57606

Ion Ratio Lower Upper

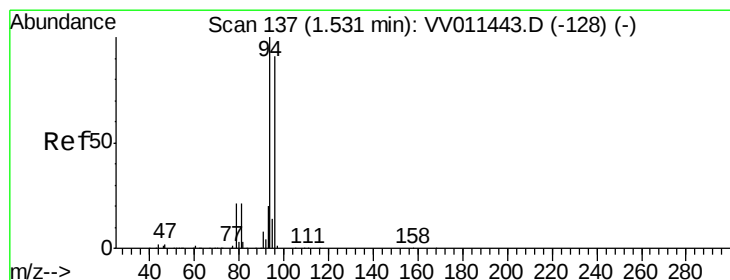
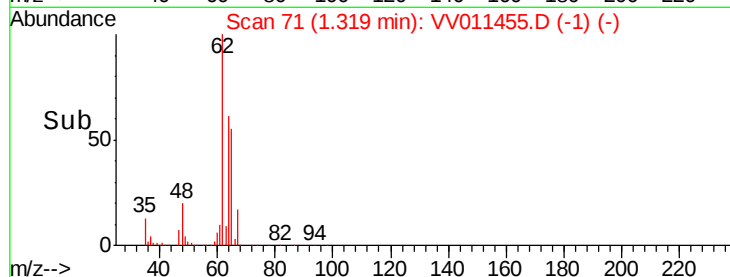
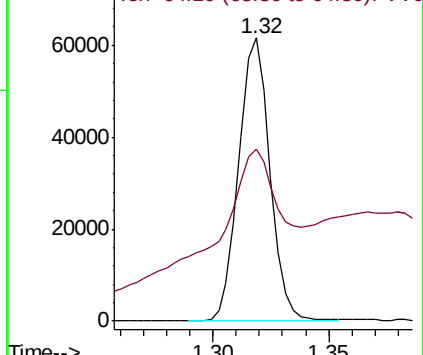
62 100

64 60.9 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: 5.146 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV011455.D

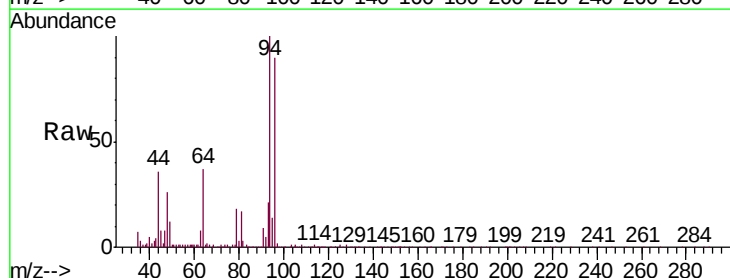
Acq: 13 Jun 2019 11:24

Tgt Ion: 94 Resp: 29346

Ion Ratio Lower Upper

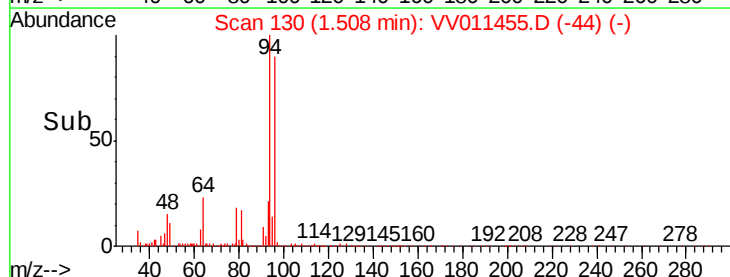
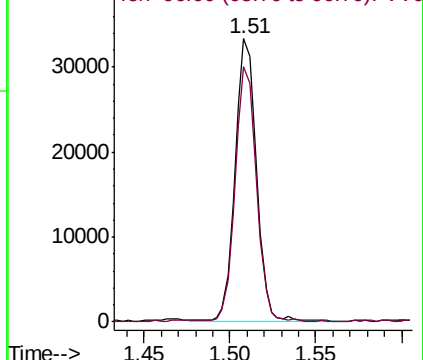
94 100

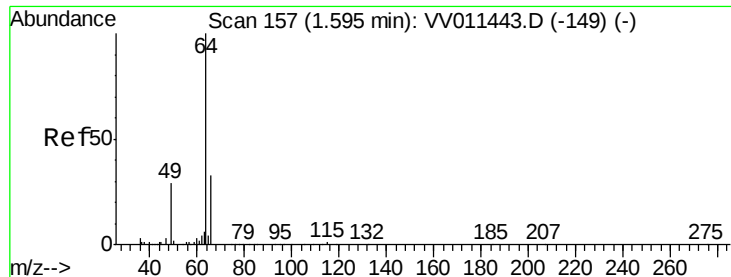
96 89.9 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.926 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.02 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

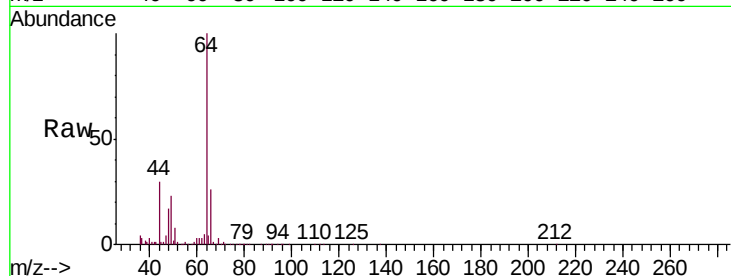
VSTD00551

Tgt Ion: 64 Resp: 34505

Ion Ratio Lower Upper

64 100

66 26.1 19.4 36.0



Abundance Ion 64.10 (63.80 to 64.80): VV011443.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV011443.D (-149) (-)

1.57

40000

30000

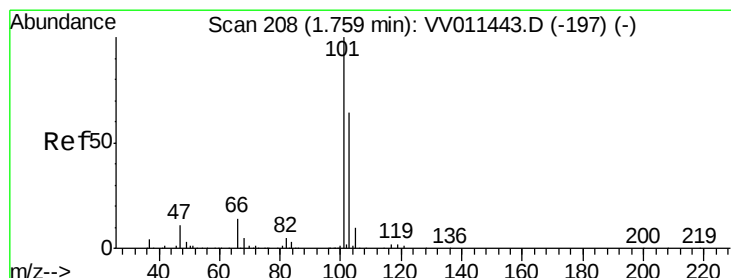
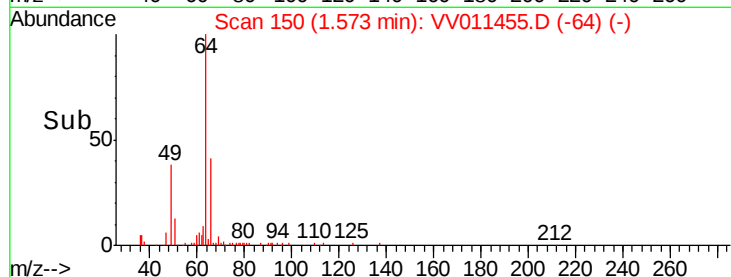
20000

10000

0

Time-->

1.55 1.60



#9

Trichlorofluoromethane

Concen: 5.603 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV011455.D

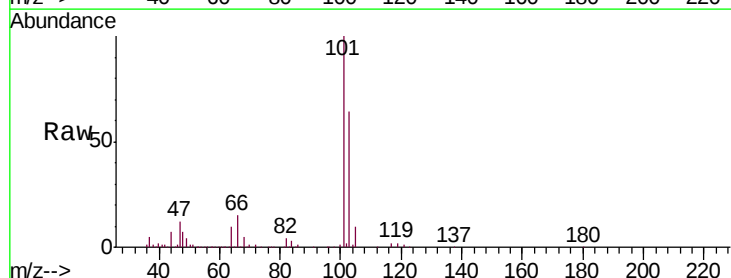
Acq: 13 Jun 2019 11:24

Tgt Ion: 101 Resp: 84308

Ion Ratio Lower Upper

101 100

103 64.6 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): VV011443.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV011443.D (-197) (-)

1.75

60000

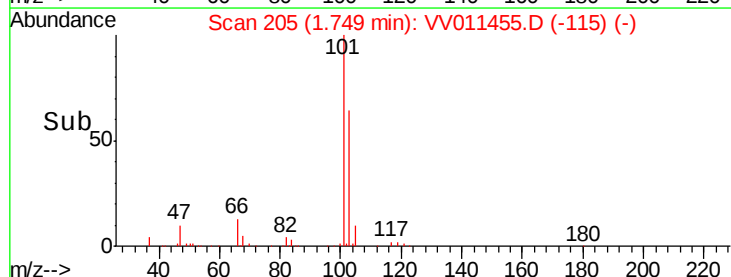
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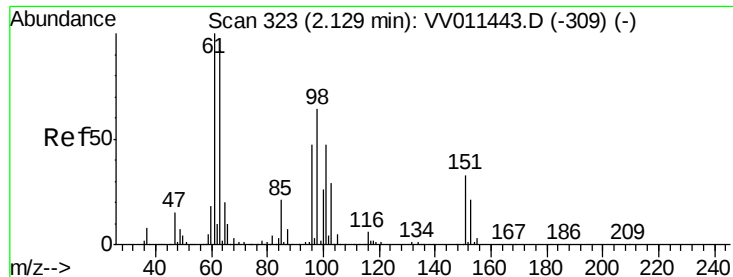
20000

0

Time-->

1.70 1.75 1.80





#10

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

Concen: 5.707 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

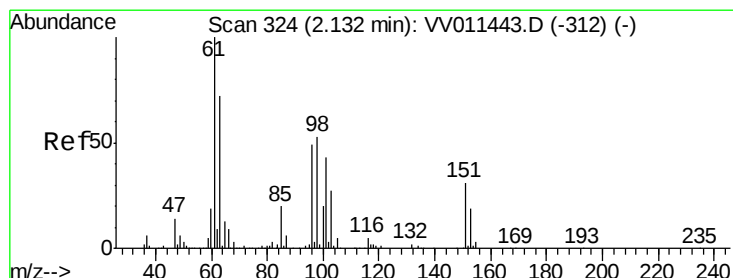
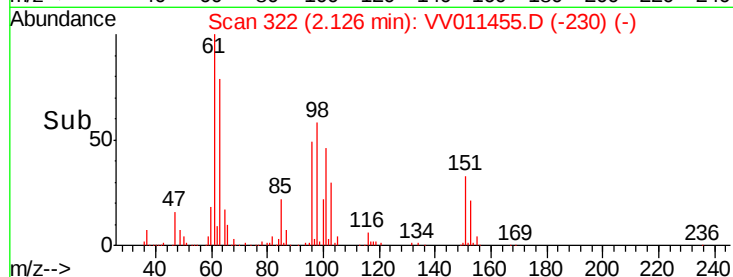
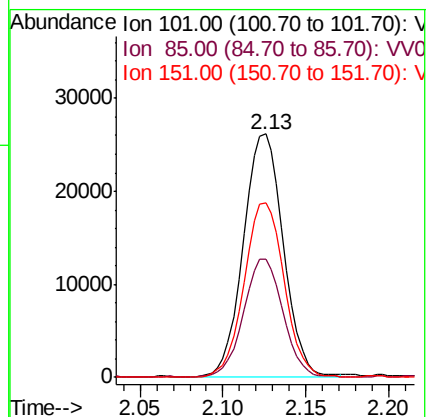
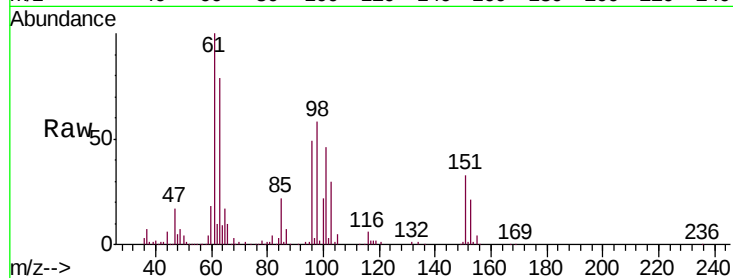
Tgt Ion: 101 Resp: 44075

Ion Ratio Lower Upper

101 100

85 48.3 35.5 53.3

151 71.9 56.9 85.3



#12

1,1-Dichloroethene

Concen: 5.312 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

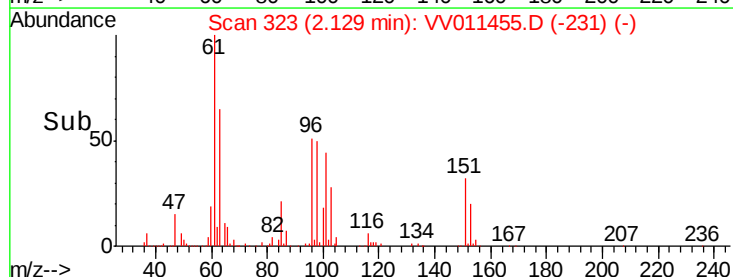
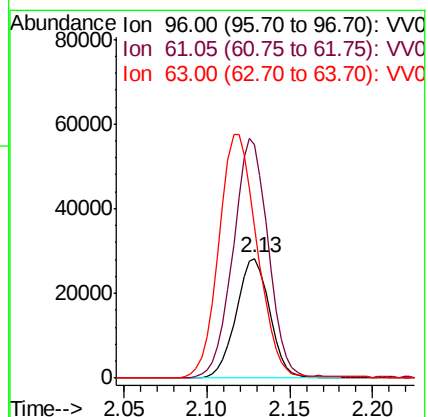
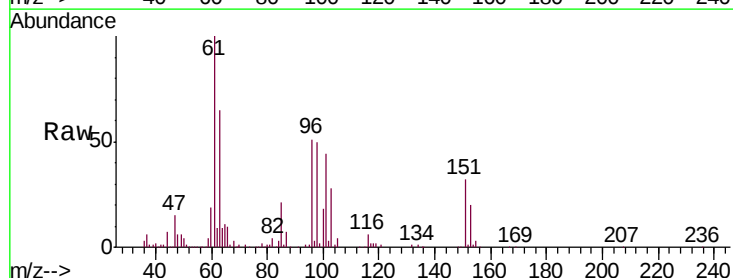
Tgt Ion: 96 Resp: 39876

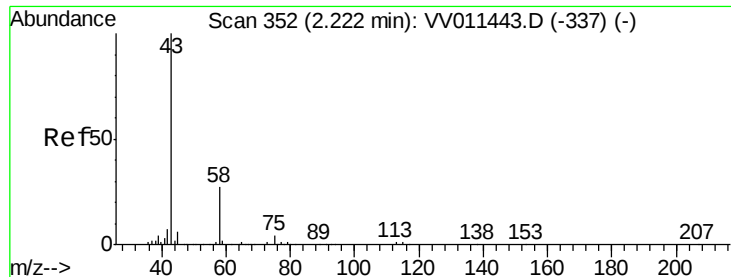
Ion Ratio Lower Upper

96 100

61 194.7 139.8 259.6

63 126.8 94.3 175.1





#13

Acetone

Concen: 60.596 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.03 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

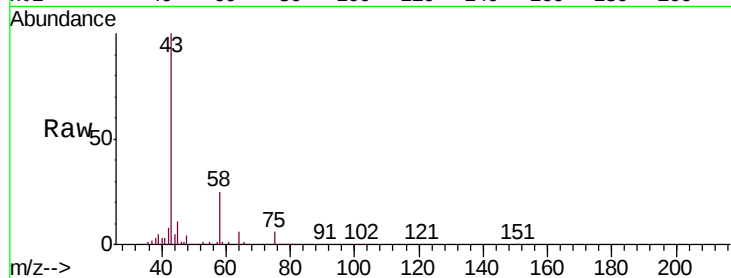
VSTD00551

Tgt Ion: 43 Resp: 82572

Ion Ratio Lower Upper

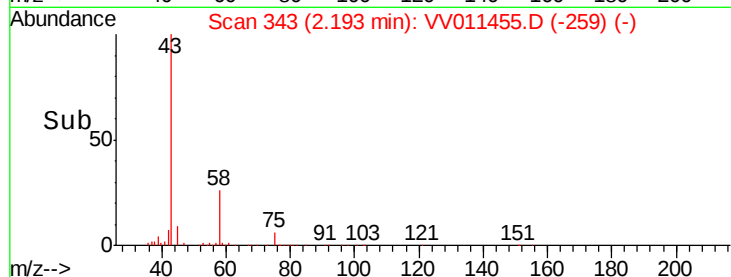
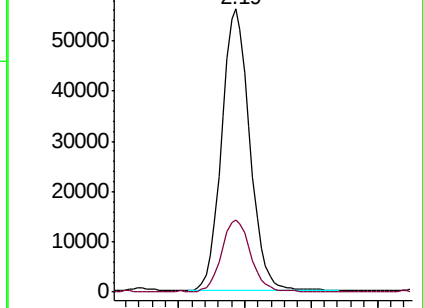
43 100

58 26.9 0.0 55.2

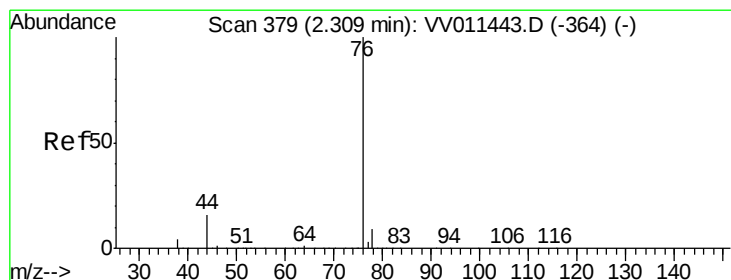


Abundance Ion 43.05 (42.75 to 43.75): VV011443.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV011443.D (-337) (-)



Time-->



#14

Carbon disulfide

Concen: 4.344 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011455.D

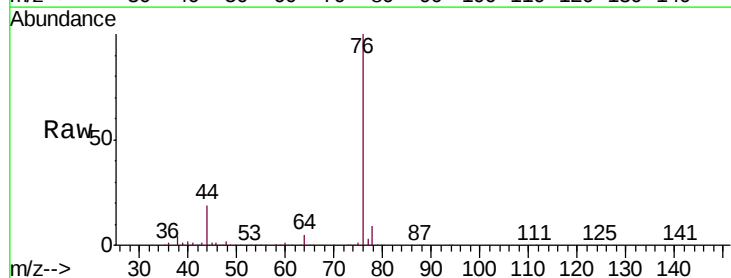
Acq: 13 Jun 2019 11:24

Tgt Ion: 76 Resp: 98913

Ion Ratio Lower Upper

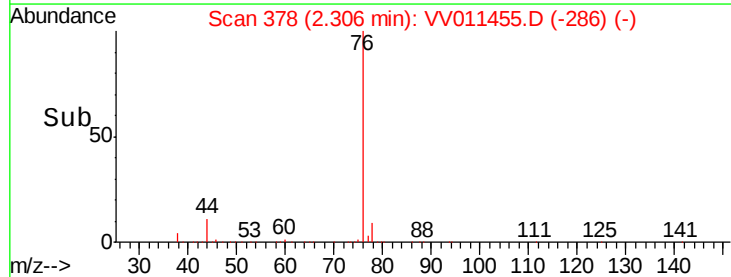
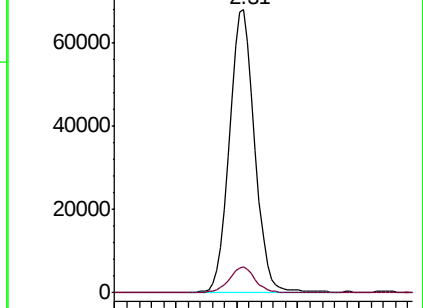
76 100

78 9.0 7.3 10.9

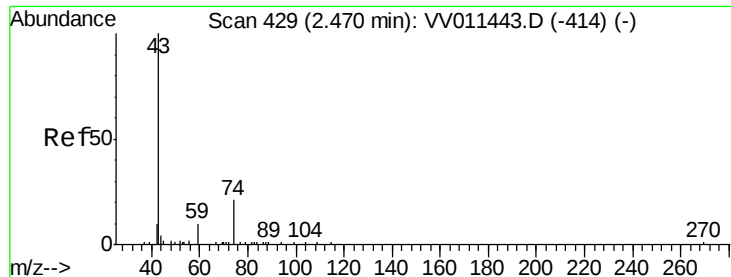


Abundance Ion 76.05 (75.75 to 76.75): VV011443.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV011443.D (-364) (-)



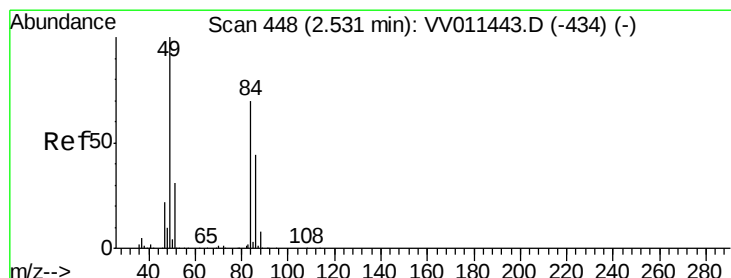
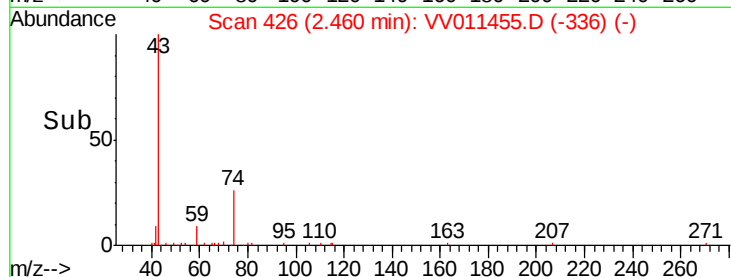
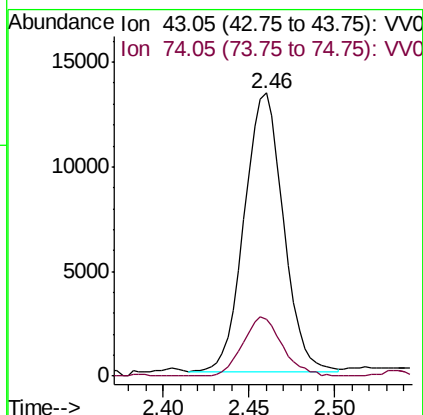
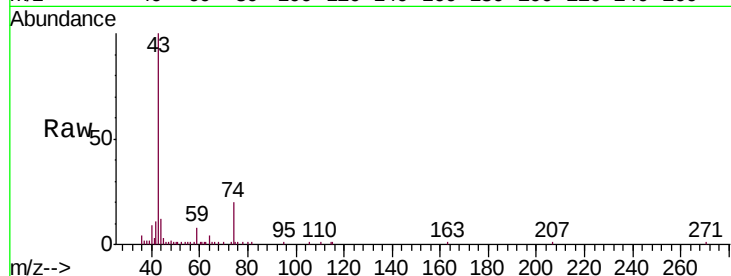
Time-->



#15
Methyl Acetate
Concen: 5.800 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

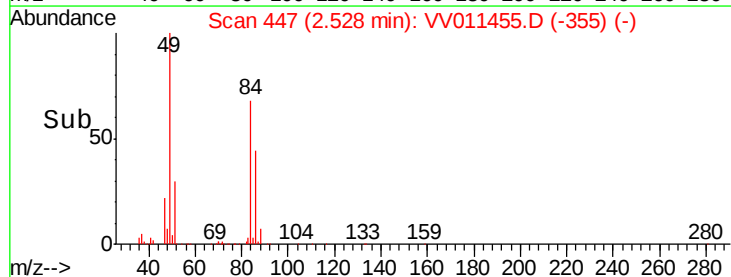
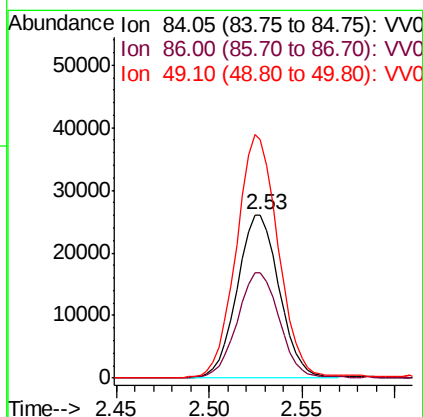
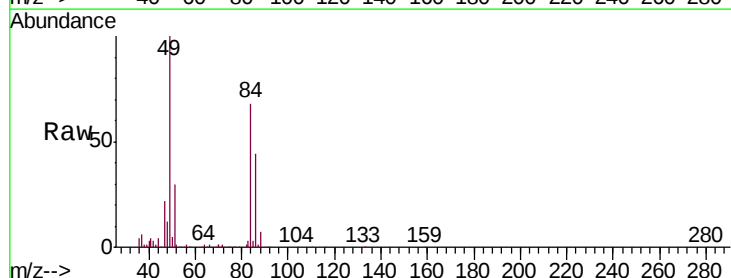
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

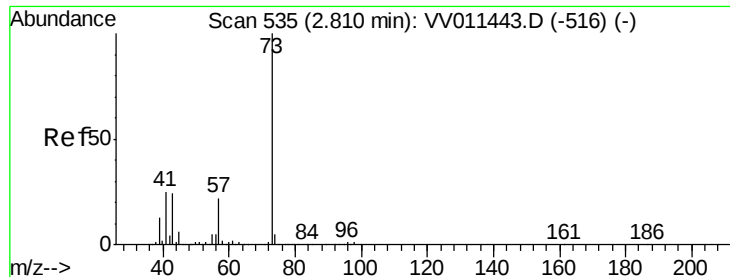
Tgt Ion: 43 Resp: 20991
Ion Ratio Lower Upper
43 100
74 21.6 18.5 27.7



#16
Methylene chloride
Concen: 5.339 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion: 84 Resp: 41290
Ion Ratio Lower Upper
84 100
86 64.6 44.9 83.3
49 146.2 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 5.210 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

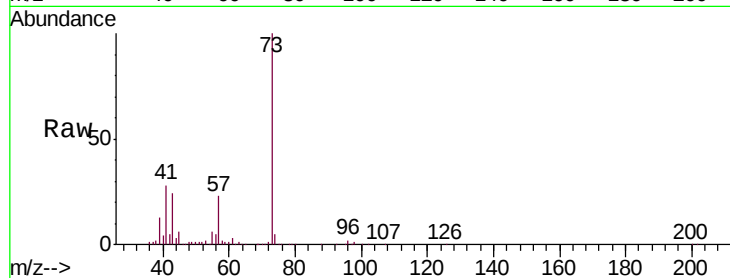
Tgt Ion: 73 Resp: 104401

Ion Ratio Lower Upper

73 100

43 24.7 18.7 28.1

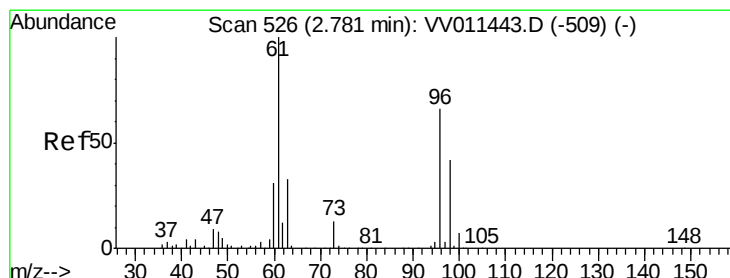
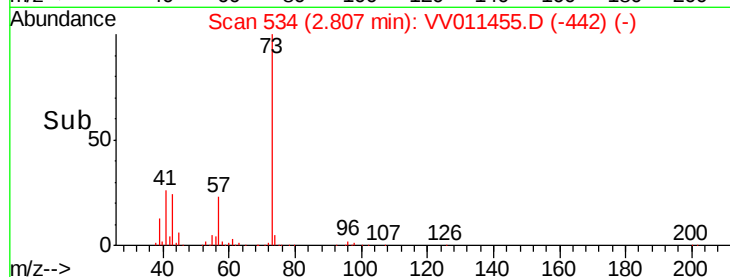
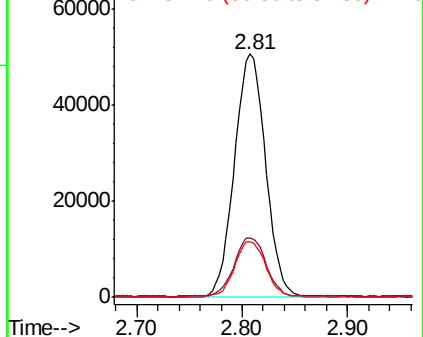
57 23.5 18.1 27.1



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: 5.055 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

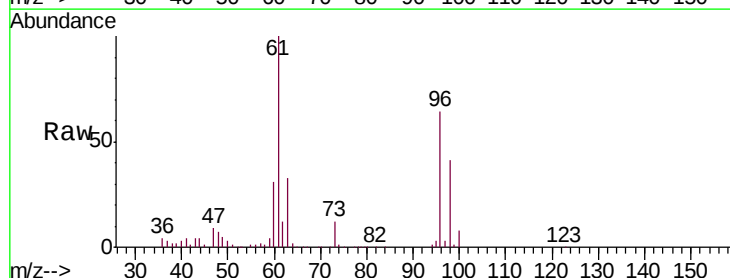
Tgt Ion: 96 Resp: 42481

Ion Ratio Lower Upper

96 100

61 155.9 104.0 193.2

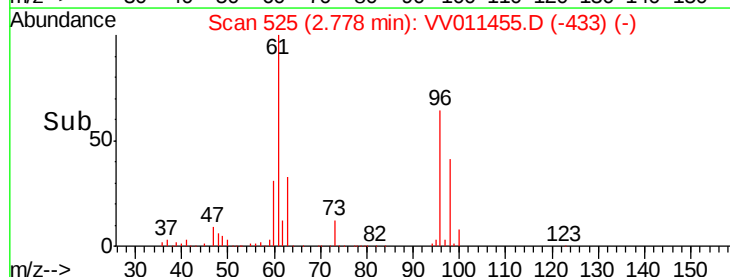
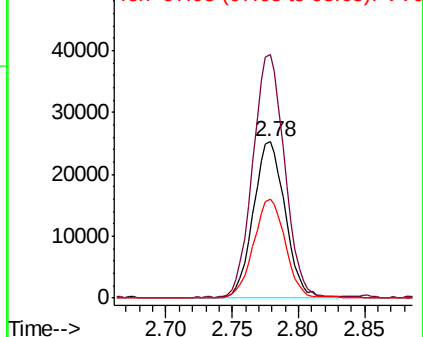
98 63.4 45.7 84.9

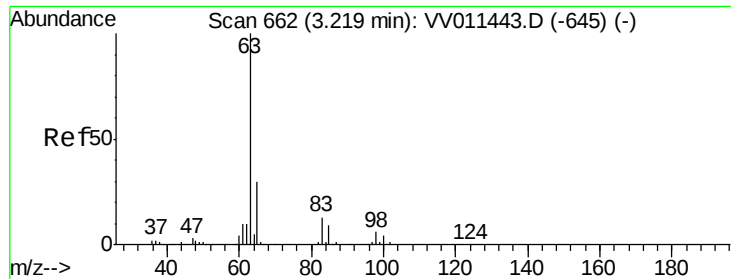


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

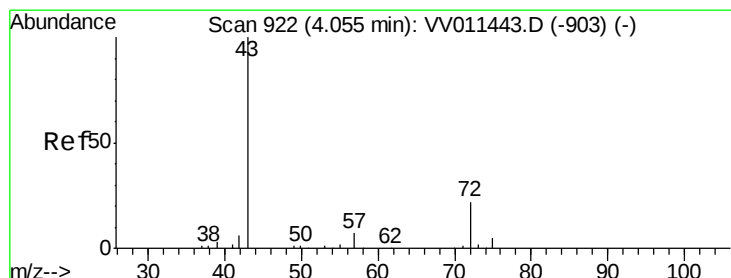
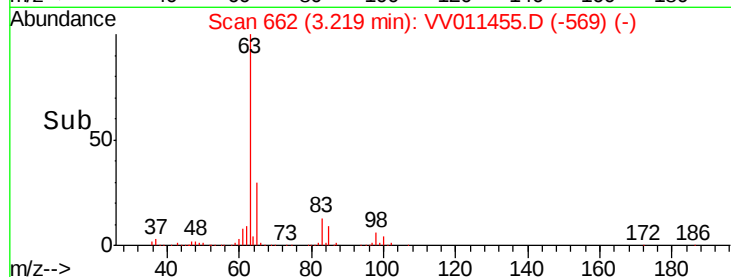
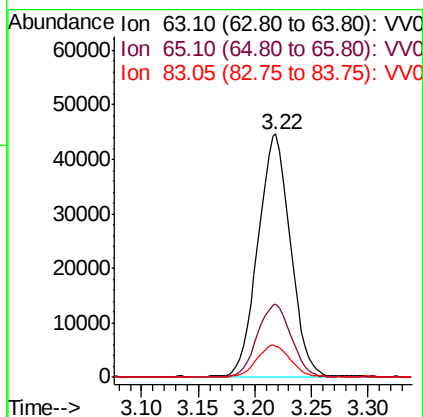
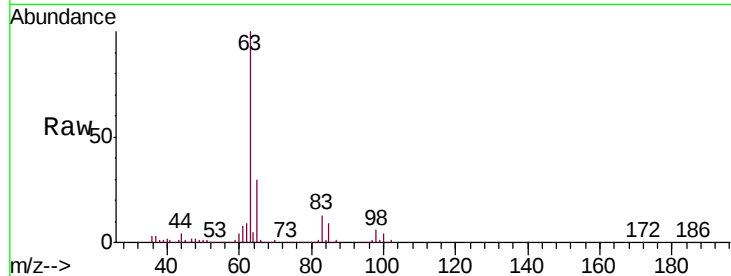




#19
 1,1-Dichloroethane
 Concen: 5.402 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

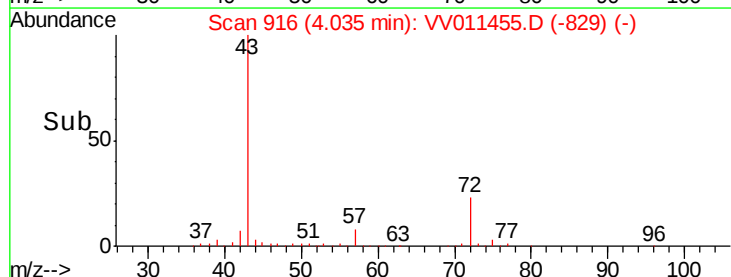
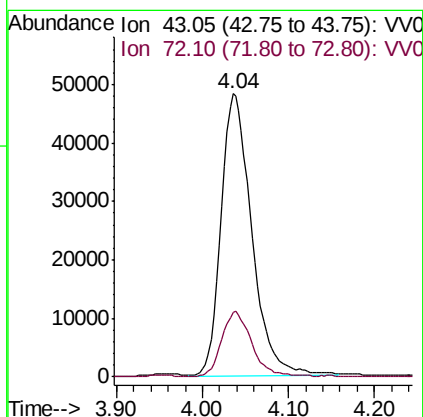
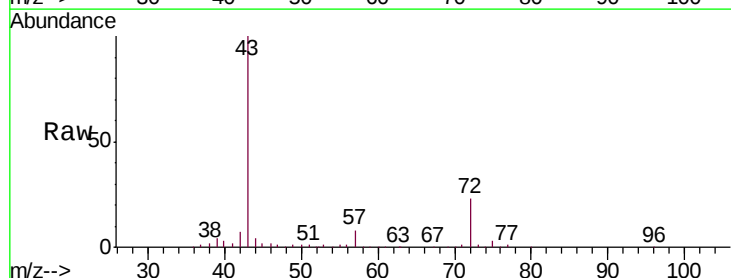
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

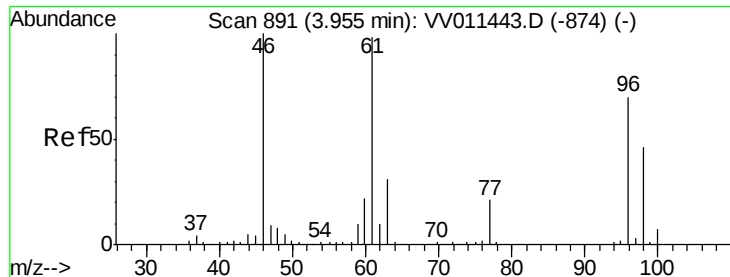
Tgt Ion: 63 Resp: 89546
 Ion Ratio Lower Upper
 63 100
 65 30.2 22.1 41.1
 83 12.9 9.2 17.0



#21
 2-Butanone
 Concen: 57.039 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion: 43 Resp: 119696
 Ion Ratio Lower Upper
 43 100
 72 23.1 12.7 38.1



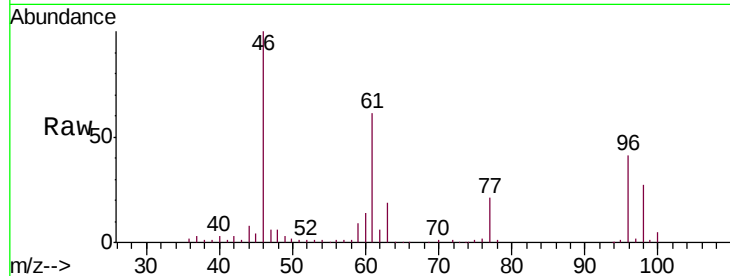


#22

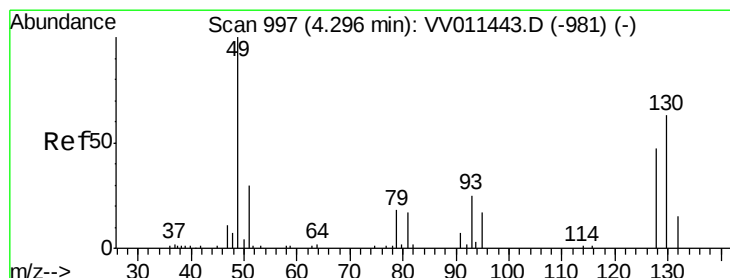
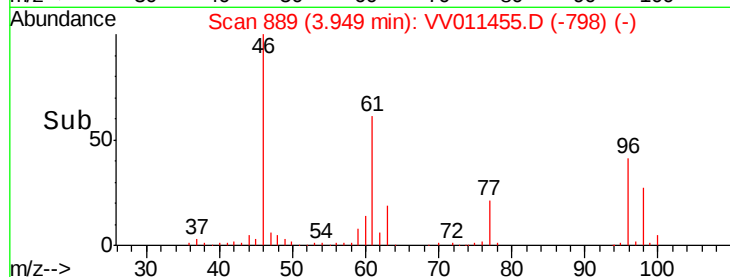
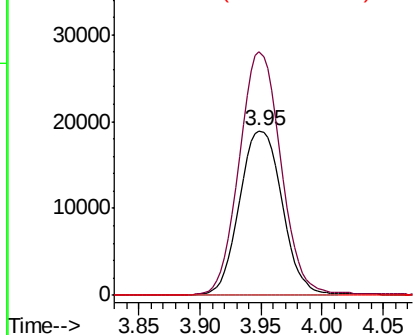
cis-1,2-Dichloroethene
Concen: 4.953 ug/L
RT: 3.95 min Scan# 889
Delta R.T. -0.01 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion: 96 Resp: 46100
Ion Ratio Lower Upper
96 100
61 148.2 100.8 187.2
68 0.6 0.0 0.0#



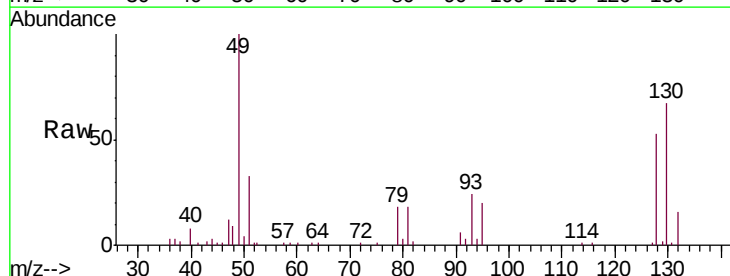
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



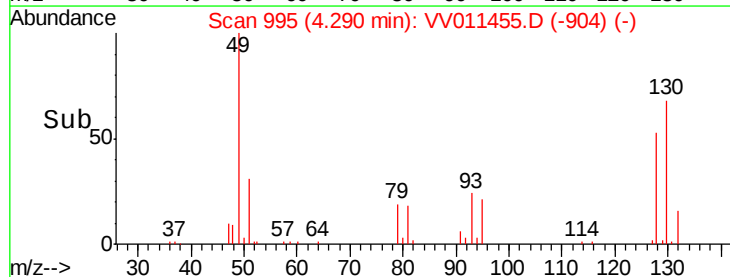
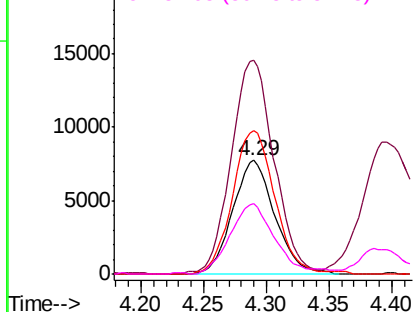
#23

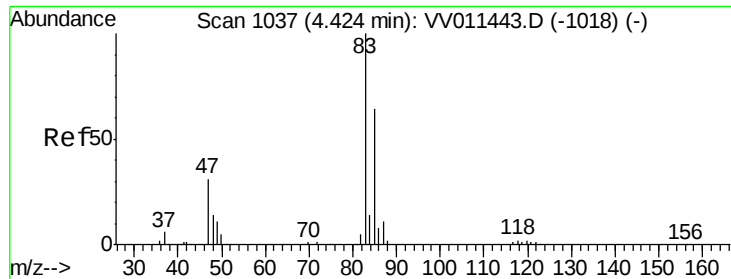
Bromochloromethane
Concen: 5.062 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.01 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion: 128 Resp: 18060
Ion Ratio Lower Upper
128 100
49 188.4 128.9 239.5
130 126.9 82.5 153.1
51 62.2 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

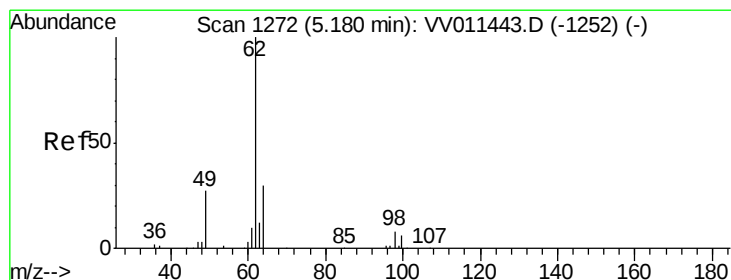
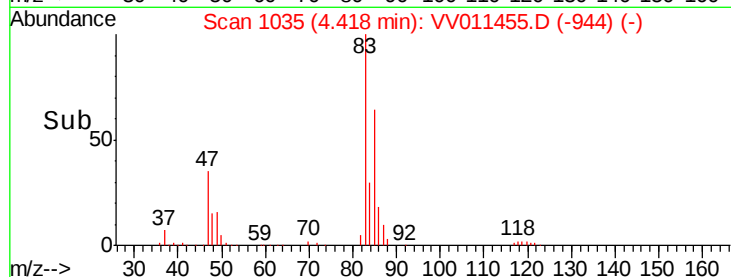
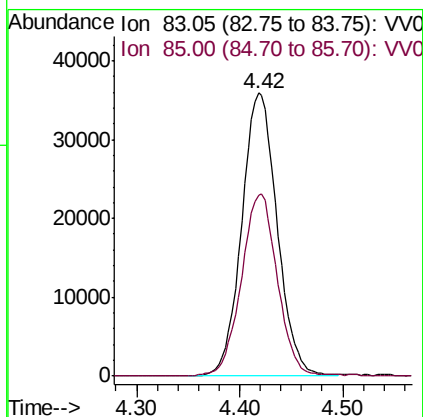
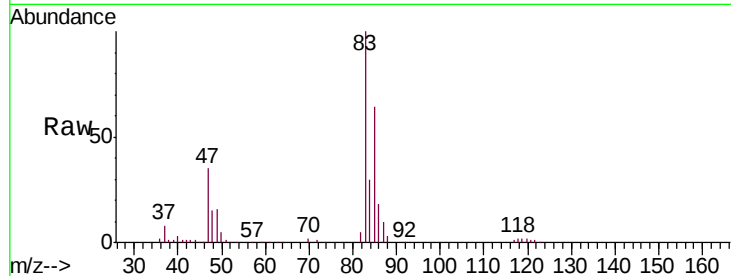




#25
Chloroform
Concen: 5.008 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

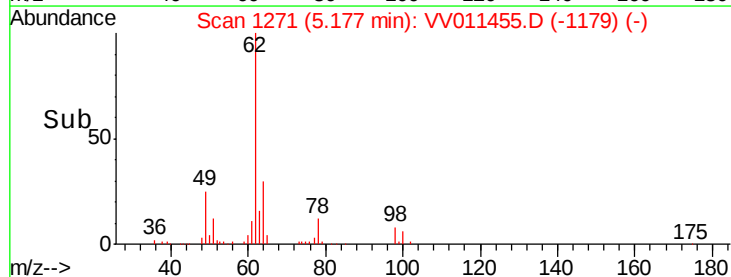
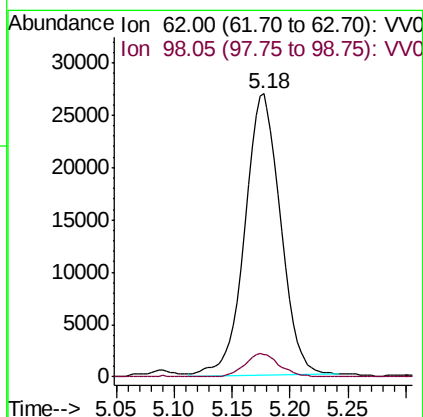
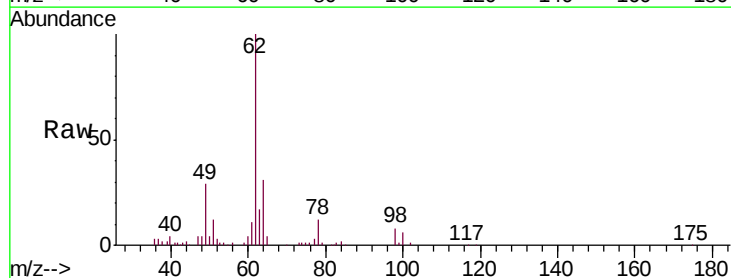
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

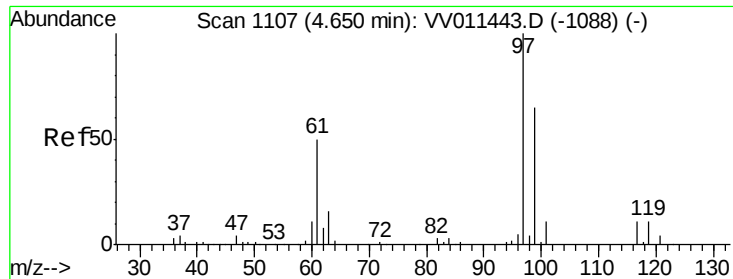
Tgt Ion: 83 Resp: 85732
Ion Ratio Lower Upper
83 100
85 63.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.517 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion: 62 Resp: 57716
Ion Ratio Lower Upper
62 100
98 8.0 6.9 10.3

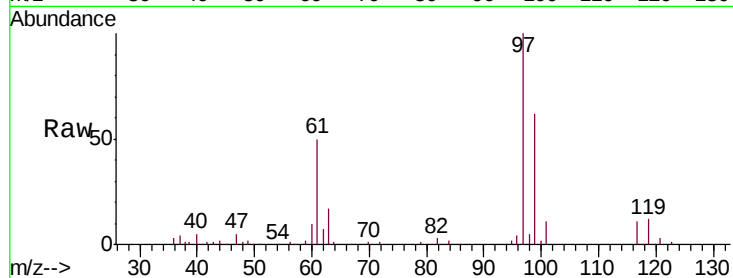




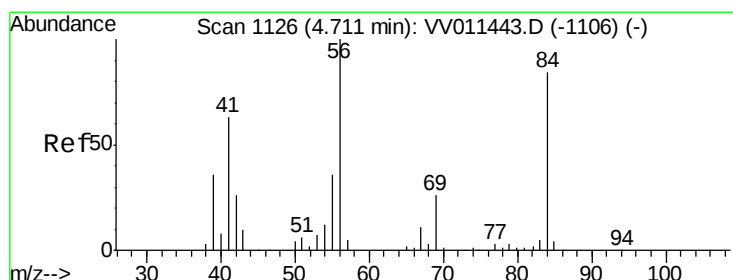
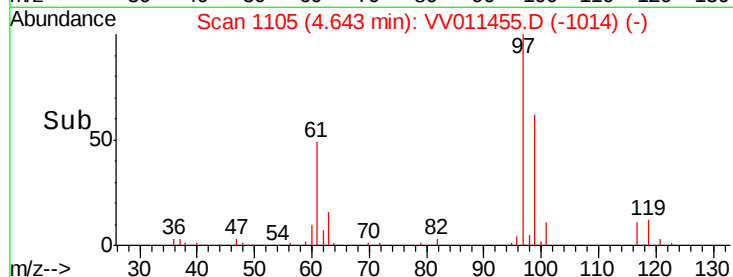
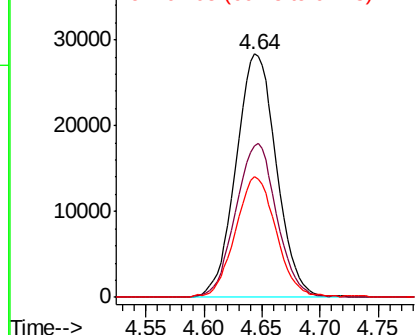
#29
 1,1,1-Trichloroethane
 Concen: 4.652 ug/L
 RT: 4.64 min Scan# 1105
 Delta R.T. -0.01 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion: 97 Resp: 68733
 Ion Ratio Lower Upper
 97 100
 99 63.9 50.8 76.2
 61 50.0 38.9 58.3

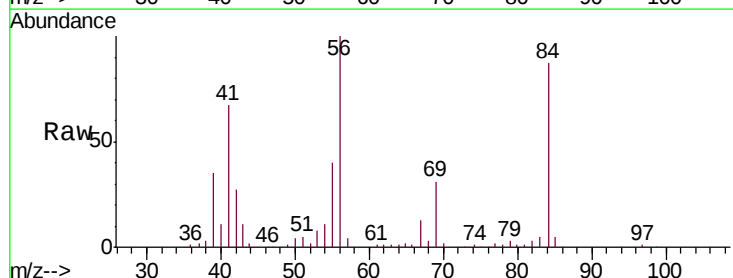


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

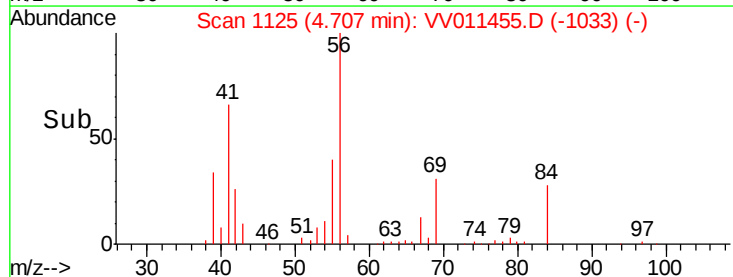
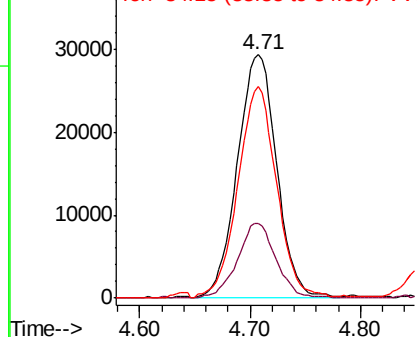


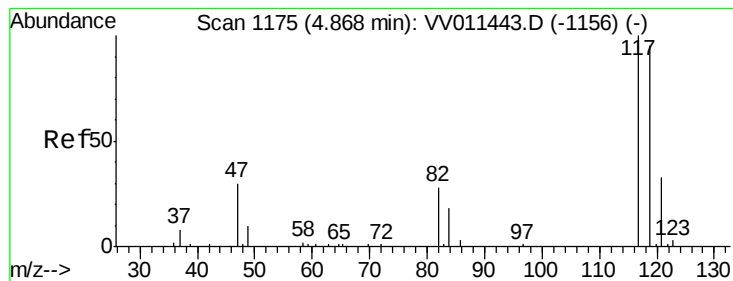
#30
 Cyclohexane
 Concen: 4.380 ug/L
 RT: 4.71 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion: 56 Resp: 71748
 Ion Ratio Lower Upper
 56 100
 69 30.4 24.1 36.1
 84 86.7 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: 4.568 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. -0.01 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampled :

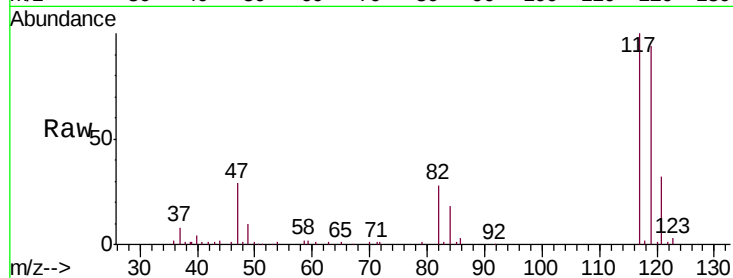
VSTD00551

Tgt Ion:117 Resp: 56409

Ion Ratio Lower Upper

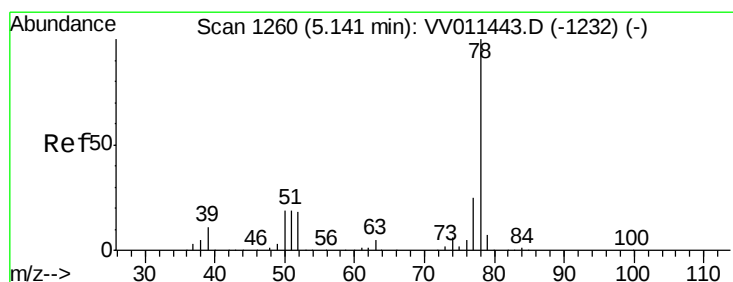
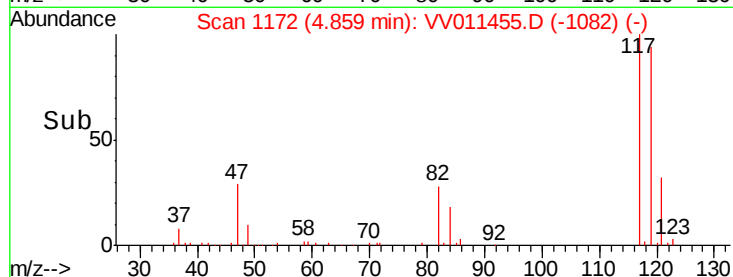
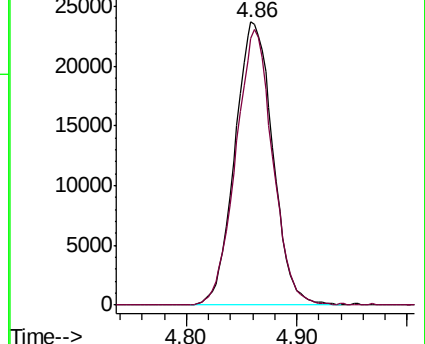
117 100

119 94.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.875 ug/L

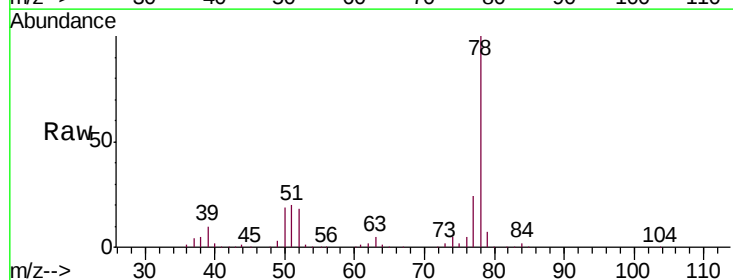
RT: 5.14 min Scan# 1259

Delta R.T. -0.00 min

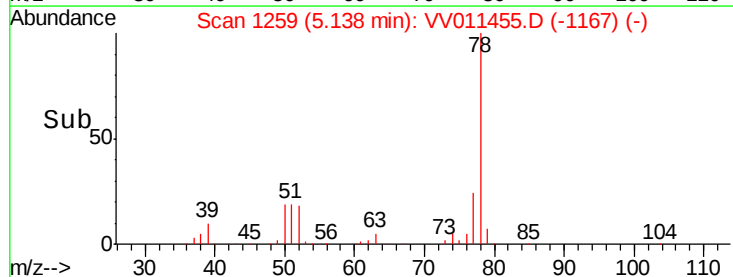
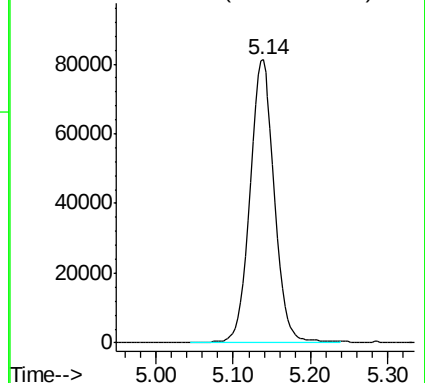
Lab File: VV011455.D

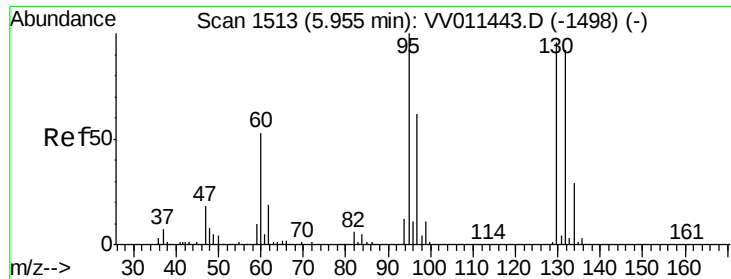
Acq: 13 Jun 2019 11:24

Tgt Ion: 78 Resp: 179682



Abundance Ion 78.10 (77.80 to 78.80): VV0

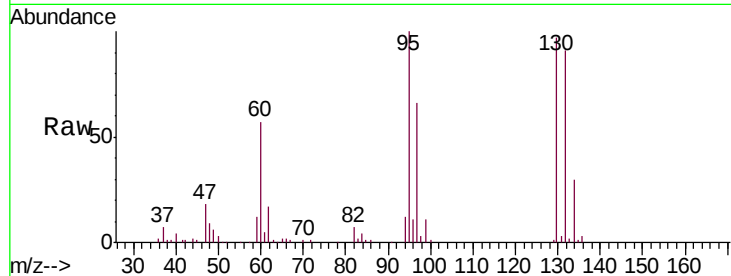




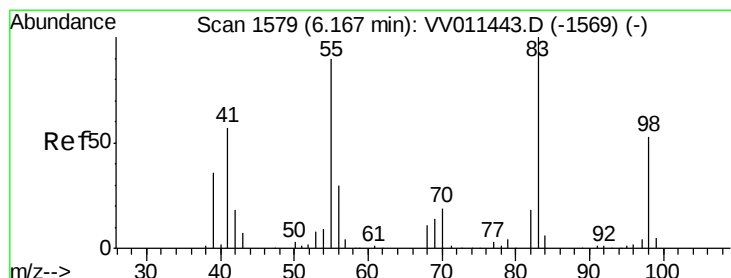
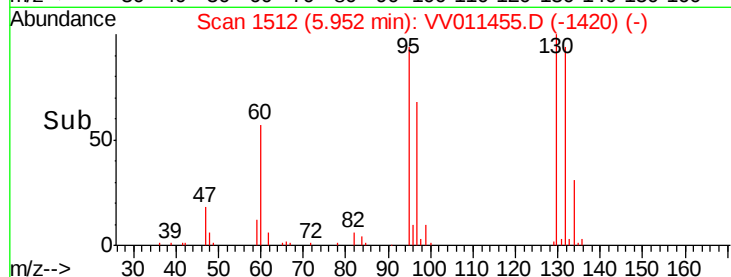
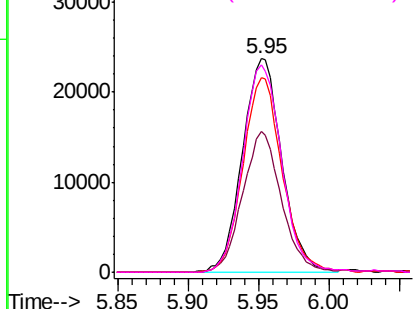
#34
 Trichloroethene
 Concen: 4.883 ug/L
 RT: 5.95 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00551

Tgt Ion: 95 Resp: 46500
 Ion Ratio Lower Upper
 95 100
 97 66.2 45.8 85.2
 132 91.2 66.4 123.2
 130 97.3 68.3 126.8

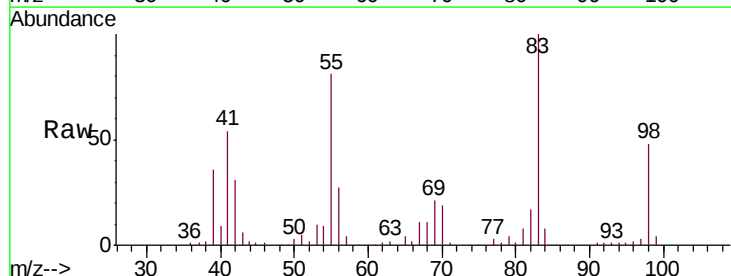


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

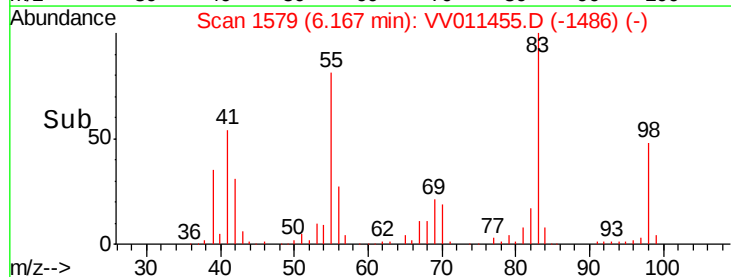
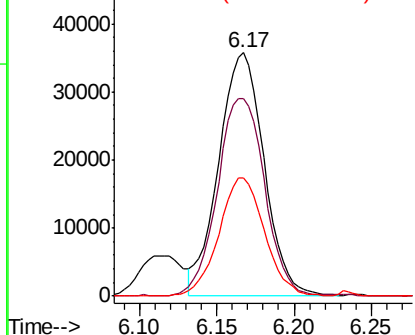


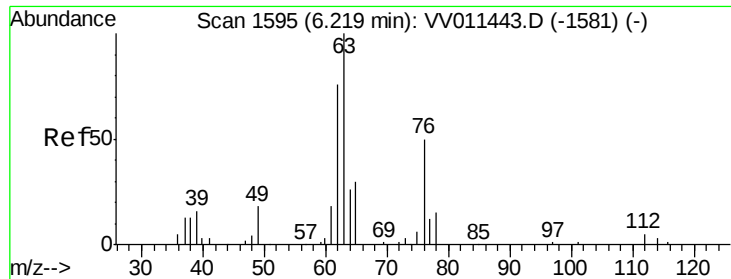
#35
 Methylcyclohexane
 Concen: 4.644 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion: 83 Resp: 73139
 Ion Ratio Lower Upper
 83 100
 55 84.5 67.0 100.6
 98 48.6 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

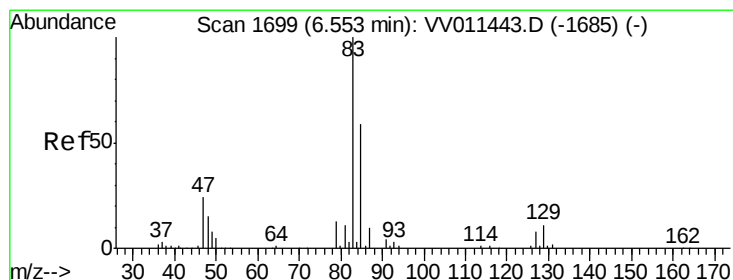
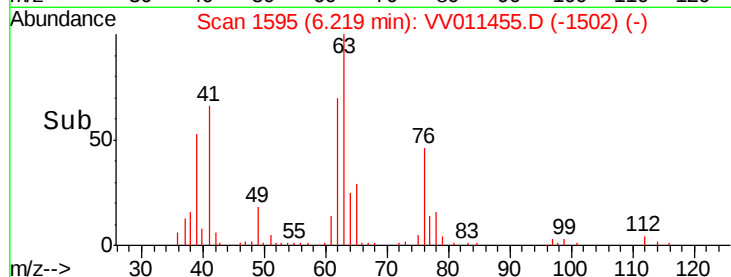
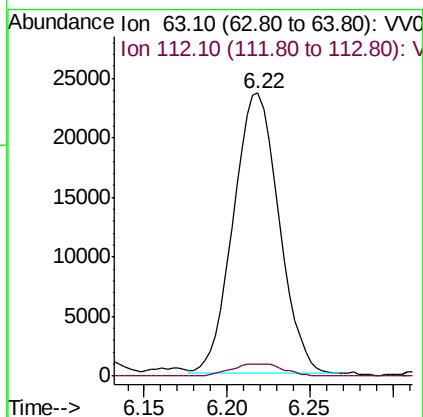
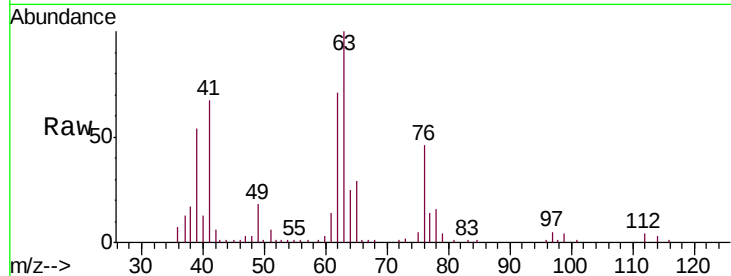




#37
 1,2-Dichloropropane
 Concen: 4.884 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

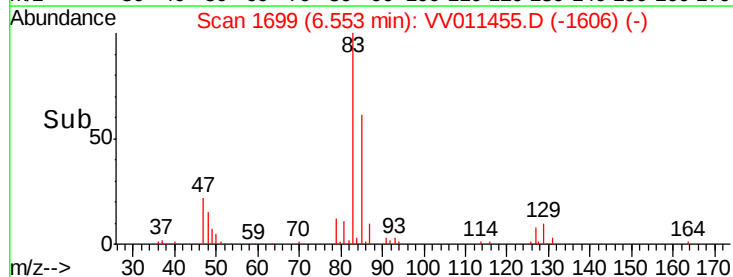
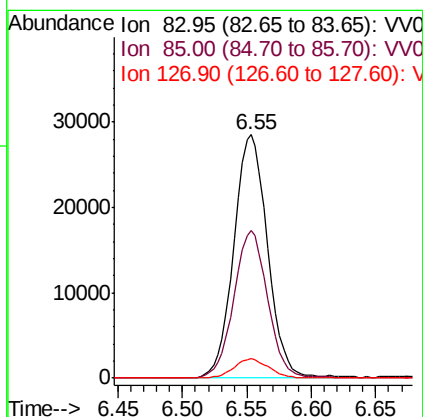
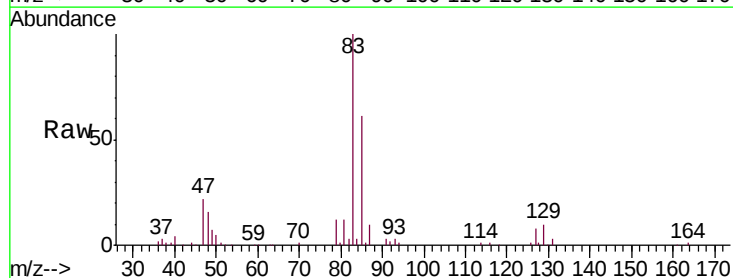
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

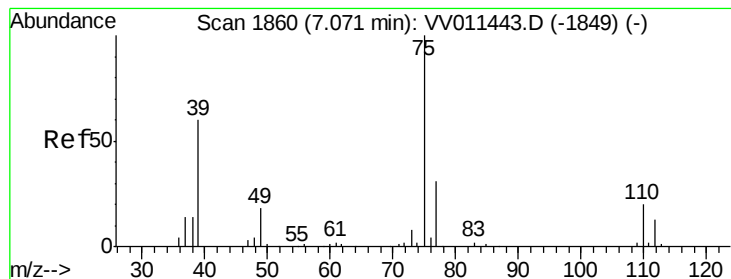
Tgt Ion: 63 Resp: 44801
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.575 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion: 83 Resp: 51889
 Ion Ratio Lower Upper
 83 100
 85 60.8 44.5 82.7
 127 8.0 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 4.033 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

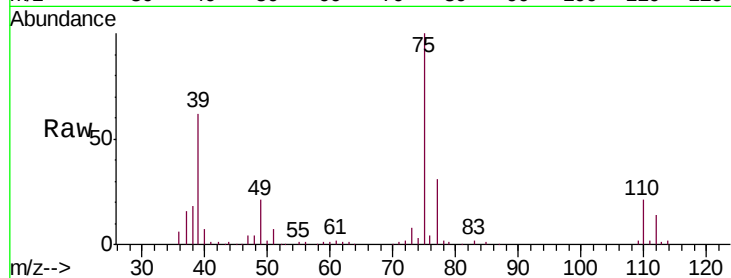
VSTD00551

Tgt Ion: 75 Resp: 54131

Ion Ratio Lower Upper

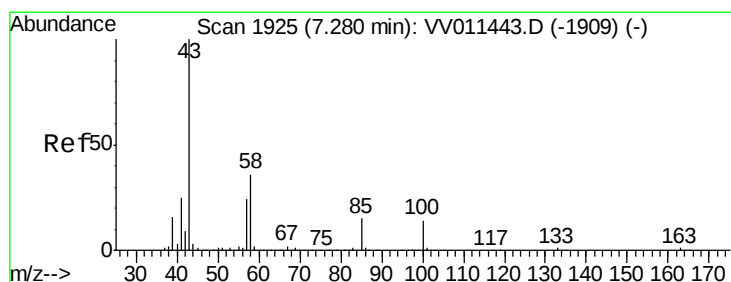
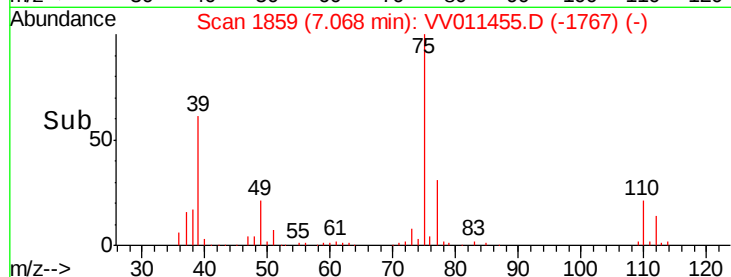
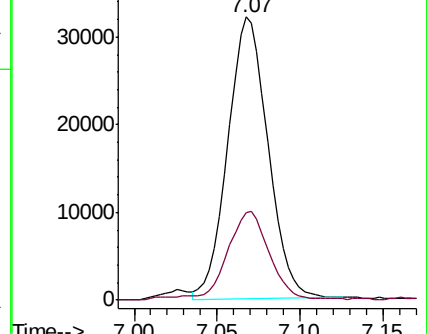
75 100

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: 51.275 ug/L

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

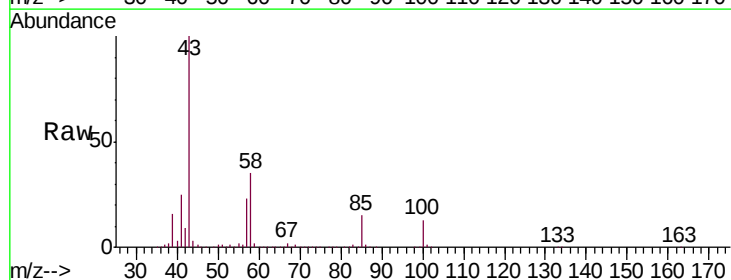
Tgt Ion: 43 Resp: 299557

Ion Ratio Lower Upper

43 100

58 35.5 29.3 43.9

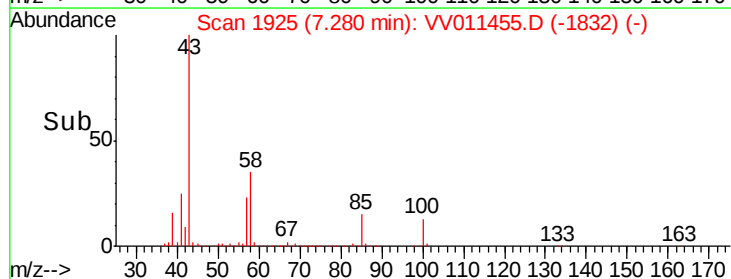
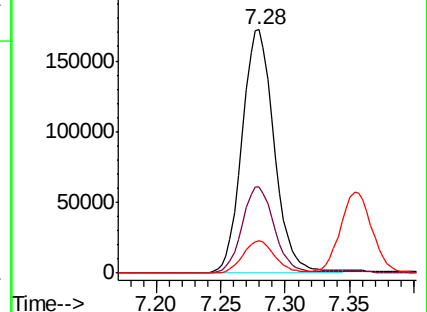
100 13.1 10.6 16.0

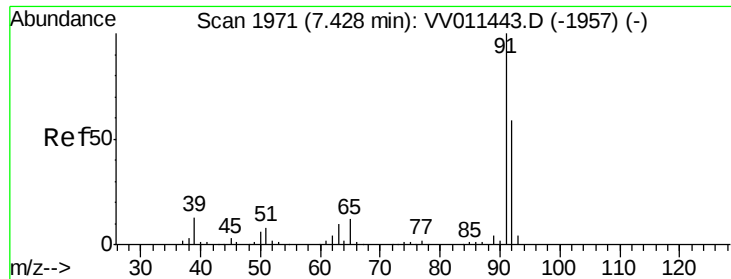


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 4.911 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

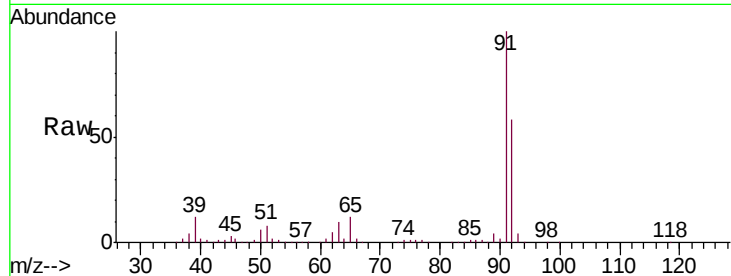
VSTD00551

Tgt Ion: 91 Resp: 192923

Ion Ratio Lower Upper

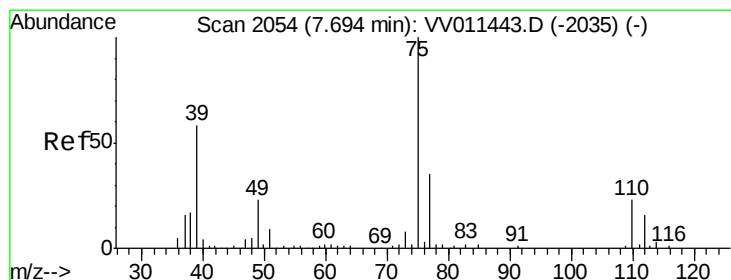
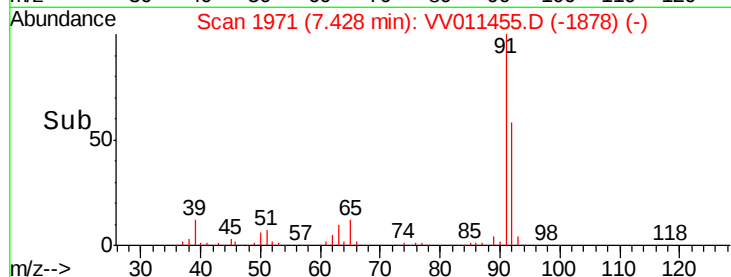
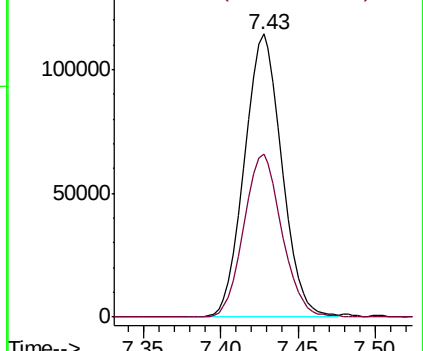
91 100

92 57.7 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: 4.211 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011455.D

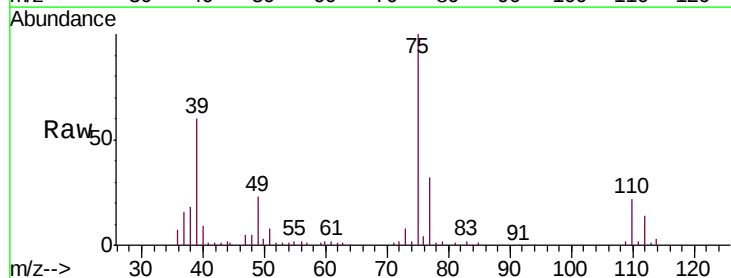
Acq: 13 Jun 2019 11:24

Tgt Ion: 75 Resp: 42972

Ion Ratio Lower Upper

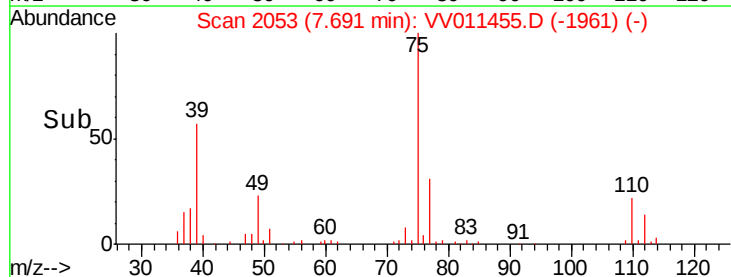
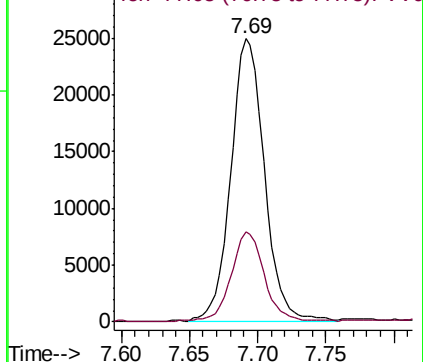
75 100

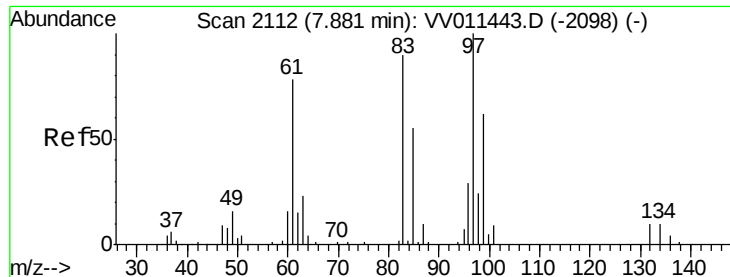
77 31.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

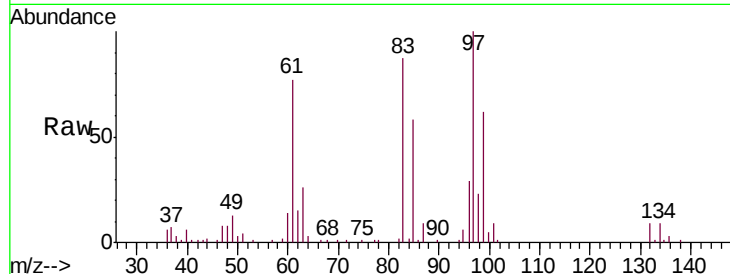




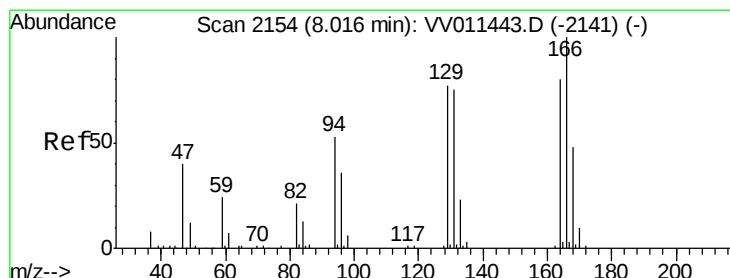
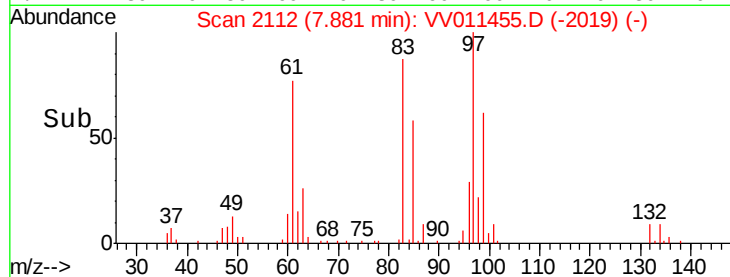
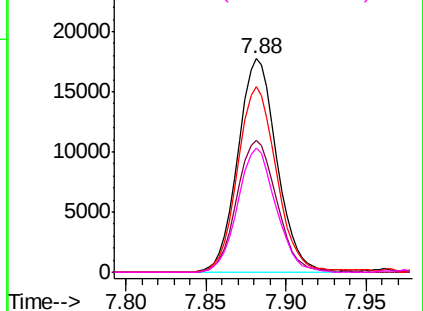
#45
 1,1,2-Trichloroethane
 Concen: 5.025 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion:	97	Resp:	29508
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.1	78.3
83	87.0	59.4	110.2
85	58.4	39.7	73.7

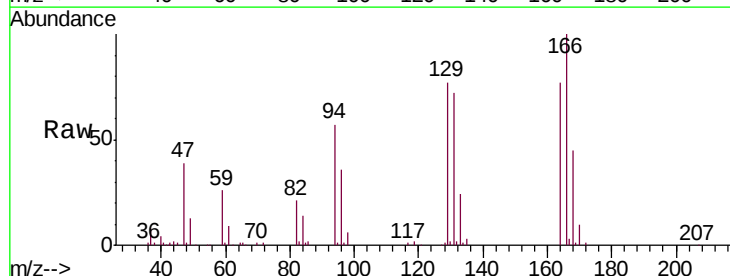


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

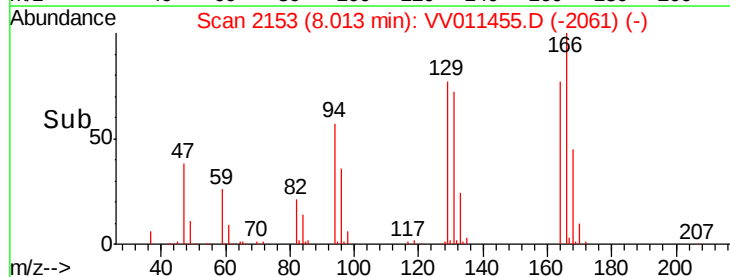
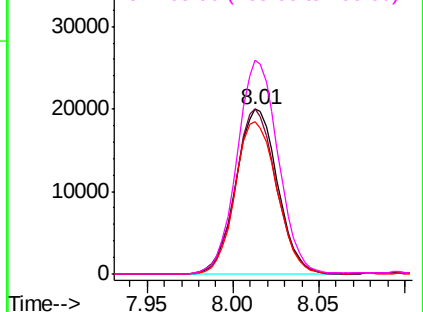


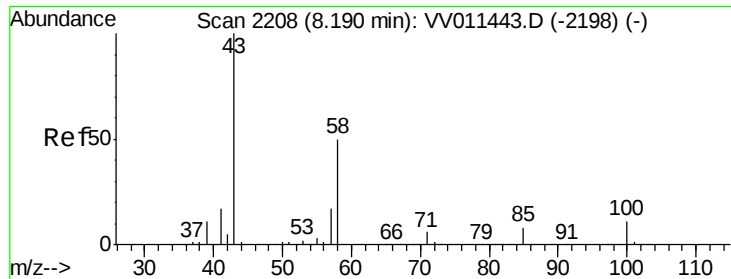
#47
 Tetrachloroethene
 Concen: 4.891 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion:	164	Resp:	33658
Ion	Ratio	Lower	Upper
164	100		
129	100.3	69.9	129.9
131	92.8	66.8	124.2
166	129.6	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

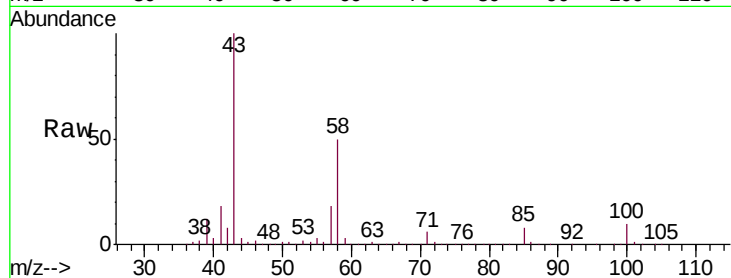




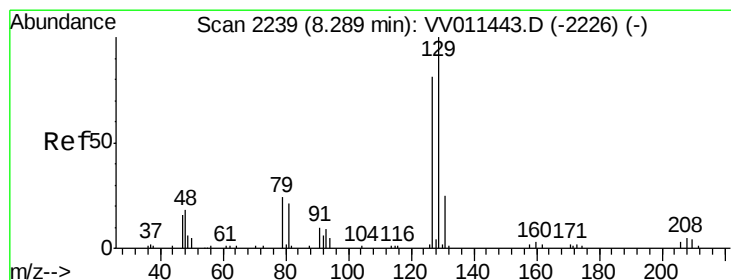
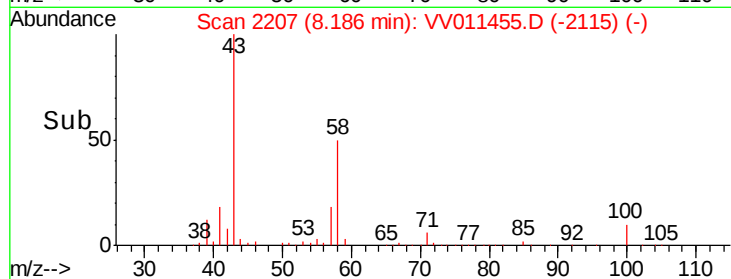
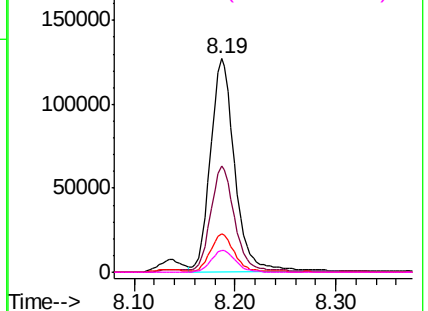
#48
2-Hexanone
Concen: 51.536 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:	43	Resp:	209983
Ion	Ratio	Lower	Upper
43	100		
58	48.6	41.4	62.0
57	17.6	15.0	22.4
100	10.5	9.0	13.4

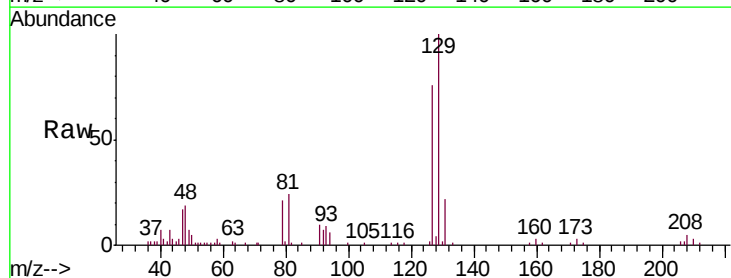


Abundance Ion 43.05 (42.75 to 43.75): VV011443.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV011443.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV011443.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV011443.D (-2198) (-)

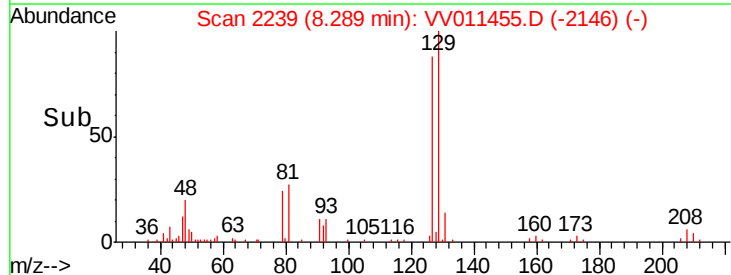
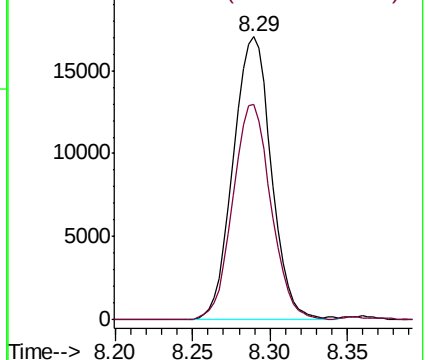


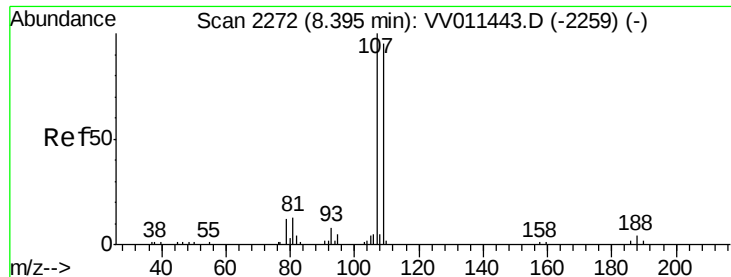
#49
Dibromochloromethane
Concen: 4.384 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion:	129	Resp:	29246
Ion	Ratio	Lower	Upper
129	100		
127	76.2	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV011443.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV011443.D (-2226) (-)

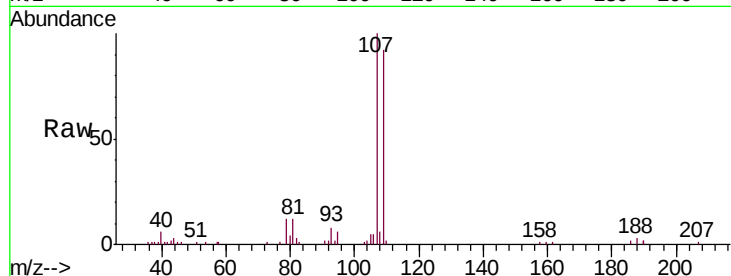




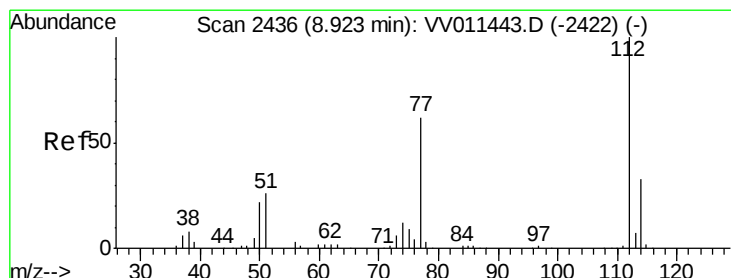
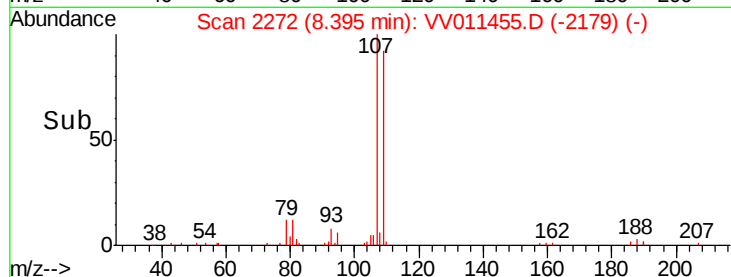
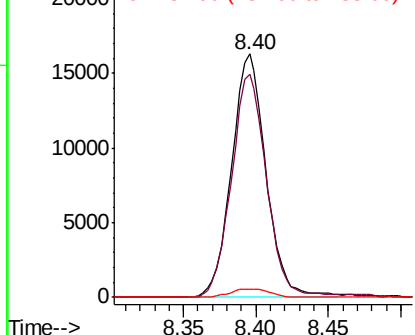
#50
1,2-Dibromoethane
Concen: 4.805 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tgt Ion:107 Resp: 26824
Ion Ratio Lower Upper
107 100
109 91.8 64.5 119.9
188 3.4 2.7 4.1

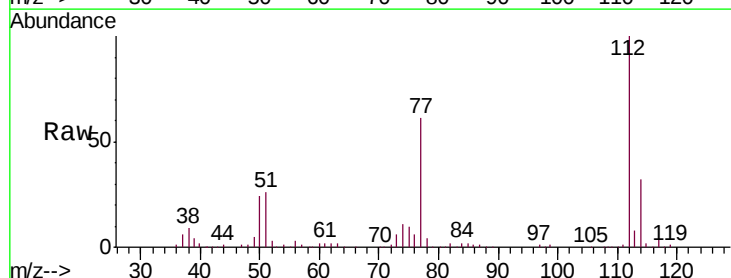


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

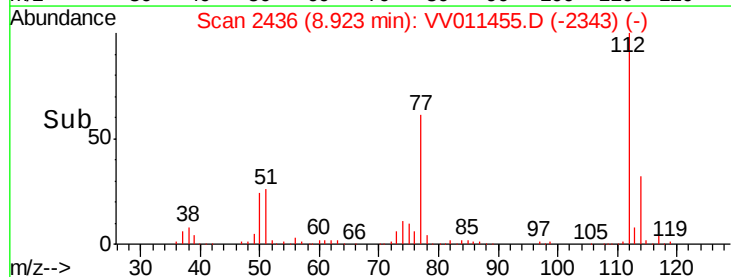
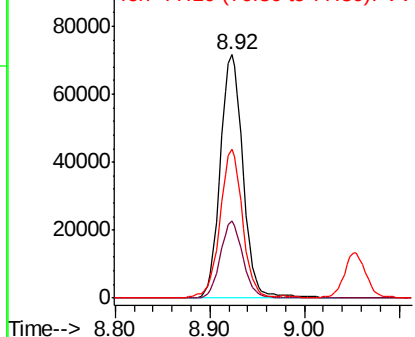


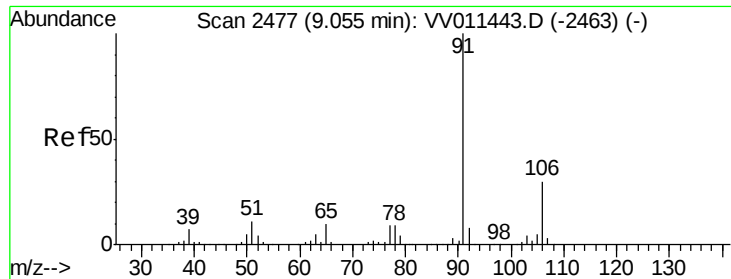
#51
Chlorobenzene
Concen: 5.001 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion:112 Resp: 119814
Ion Ratio Lower Upper
112 100
114 31.6 22.6 42.0
77 61.1 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

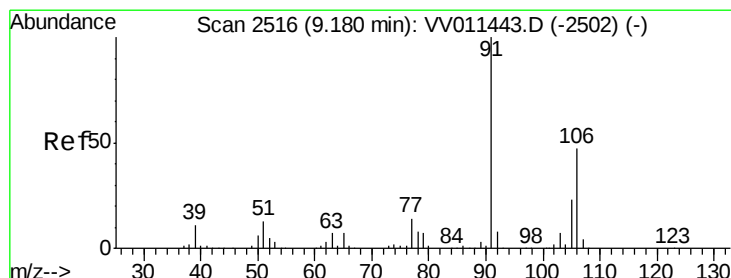
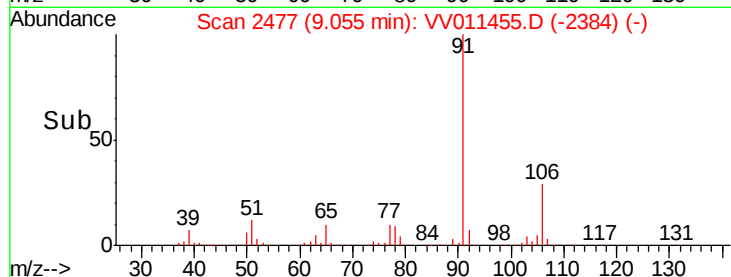
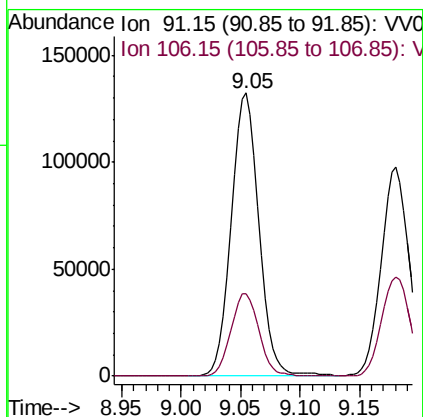
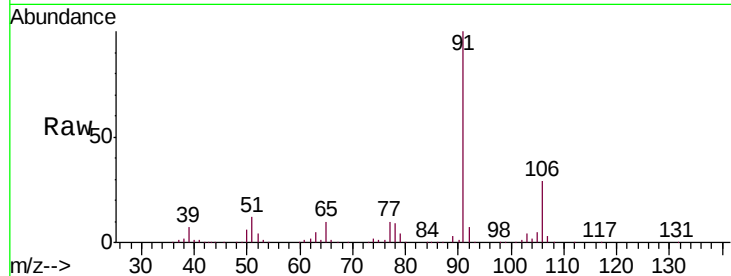




#52
Ethylbenzene
Concen: 4.897 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

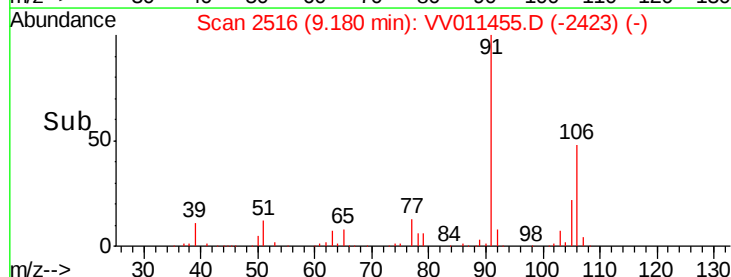
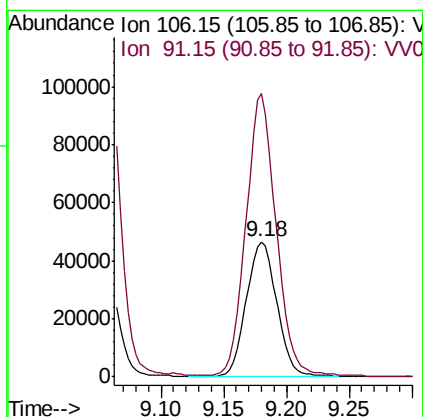
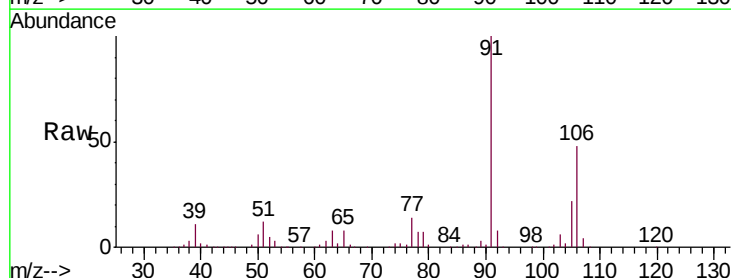
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

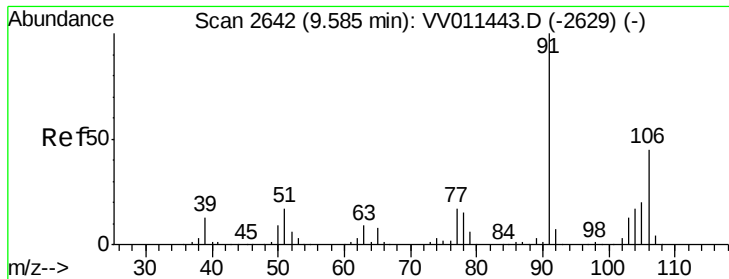
Tgt Ion: 91 Resp: 213632
Ion Ratio Lower Upper
91 100
106 29.1 21.5 39.9



#53
m,p-xylene
Concen: 4.937 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011455.D
Acq: 13 Jun 2019 11:24

Tgt Ion: 106 Resp: 79660
Ion Ratio Lower Upper
106 100
91 209.6 145.5 270.3





#54

o-xylene

Concen: 4.988 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

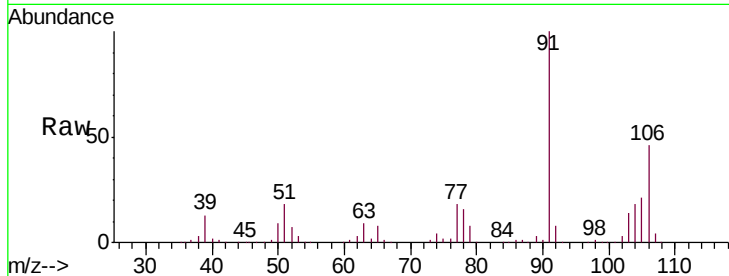
VSTD00551

Tgt Ion:106 Resp: 78980

Ion Ratio Lower Upper

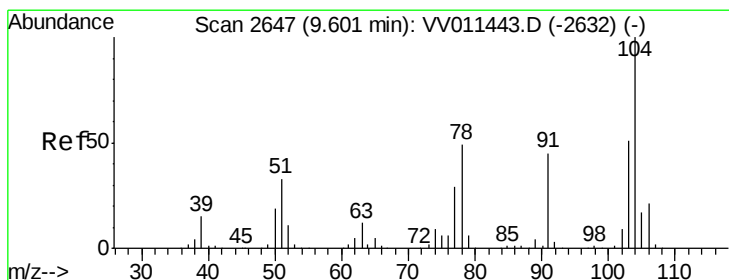
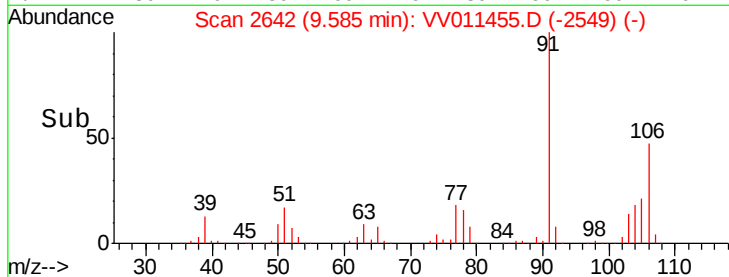
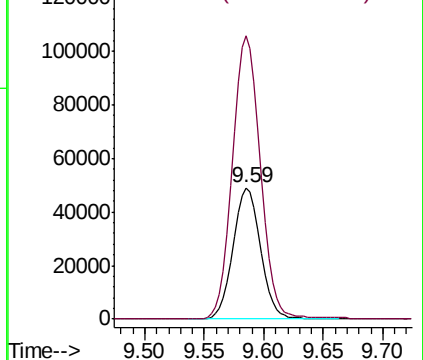
106 100

91 215.6 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.911 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011455.D

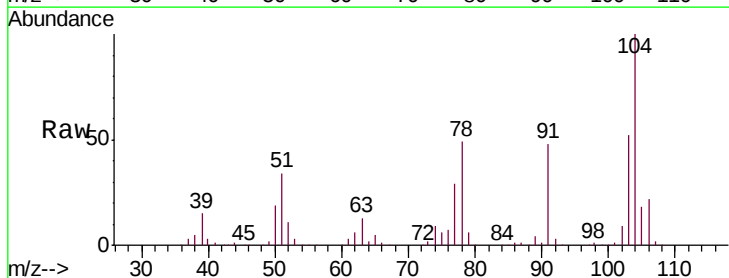
Acq: 13 Jun 2019 11:24

Tgt Ion:104 Resp: 126654

Ion Ratio Lower Upper

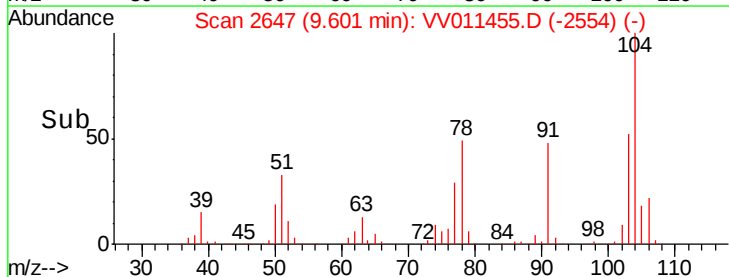
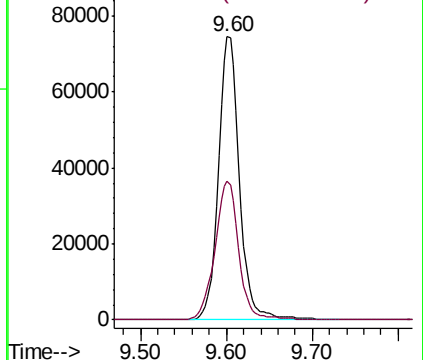
104 100

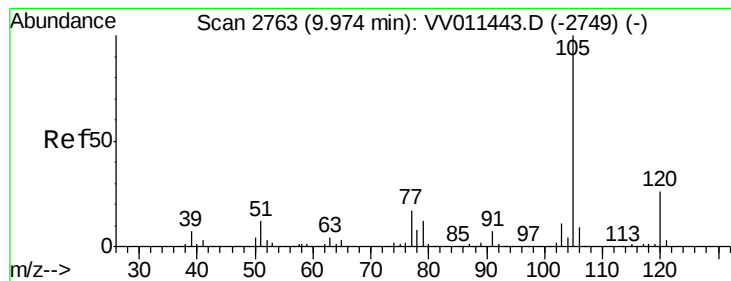
78 49.2 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.853 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

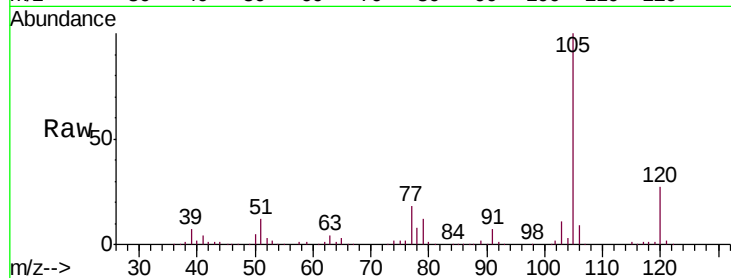
Tgt Ion: 105 Resp: 206822

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

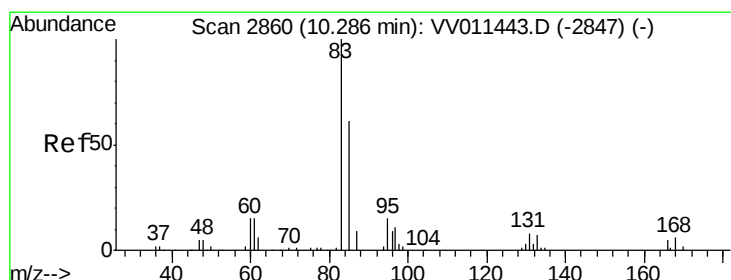
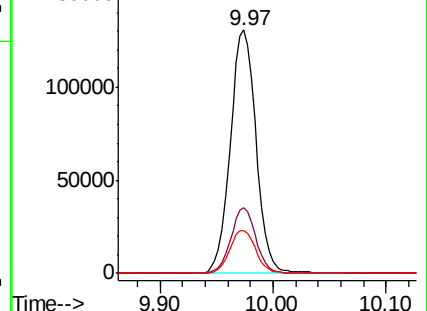
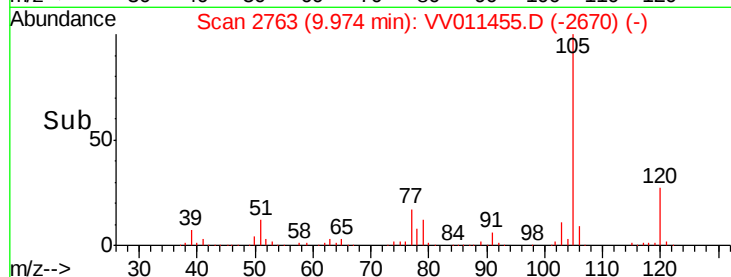
77 18.0 13.8 20.6



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: 5.263 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

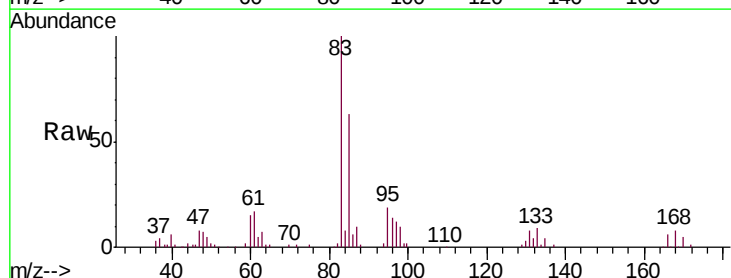
Tgt Ion: 83 Resp: 37468

Ion Ratio Lower Upper

83 100

85 63.2 43.5 80.9

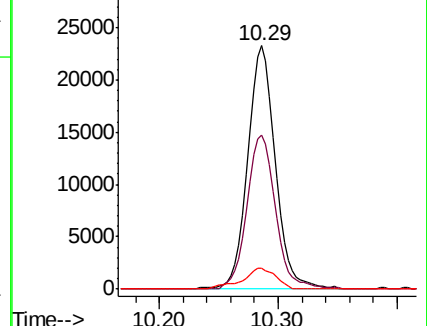
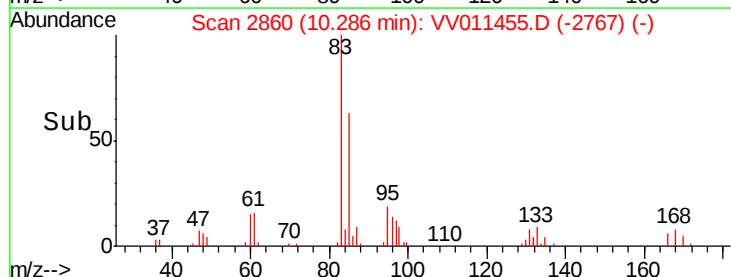
131 8.5 7.5 11.3

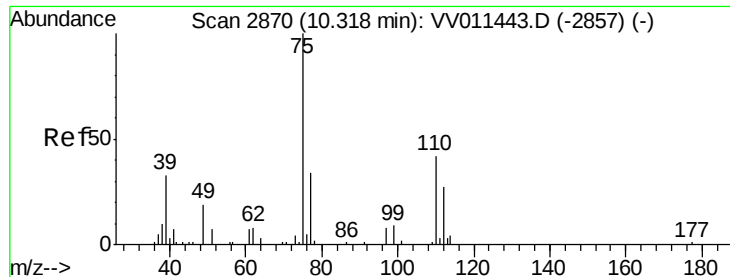


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

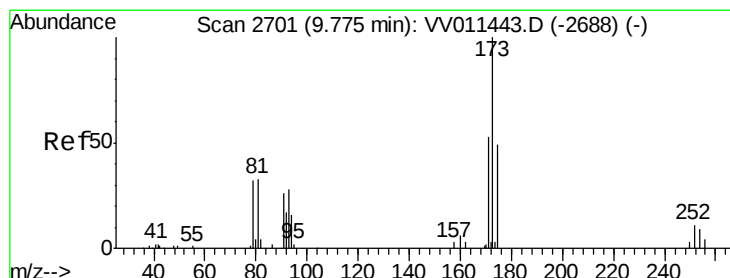
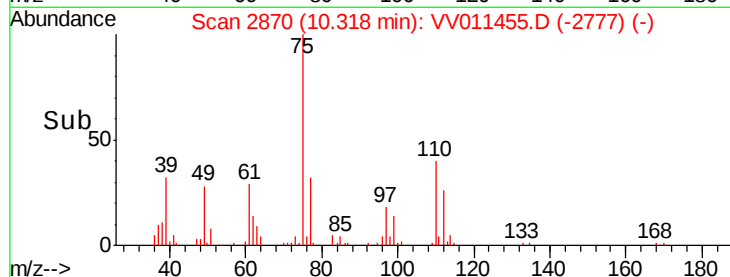
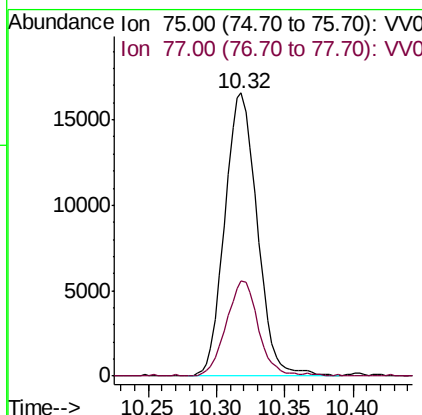
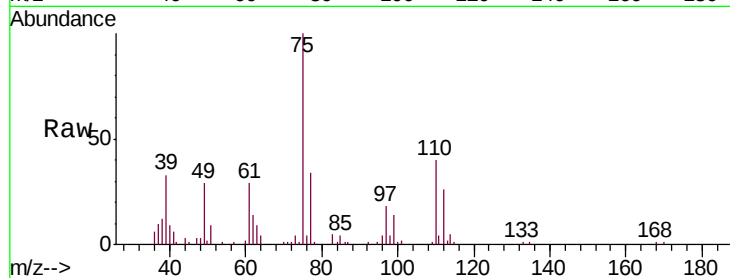




#59
 1,2,3-Trichloropropane
 Concen: 5.132 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

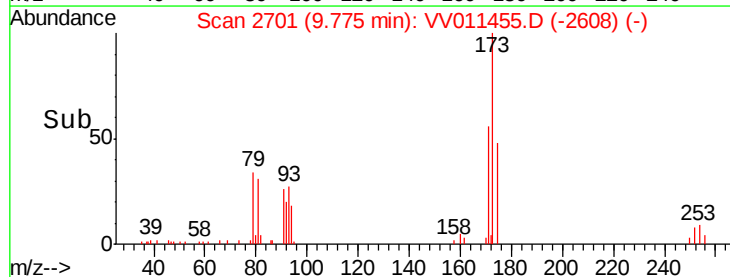
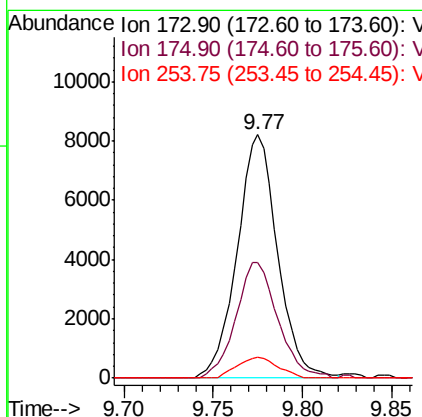
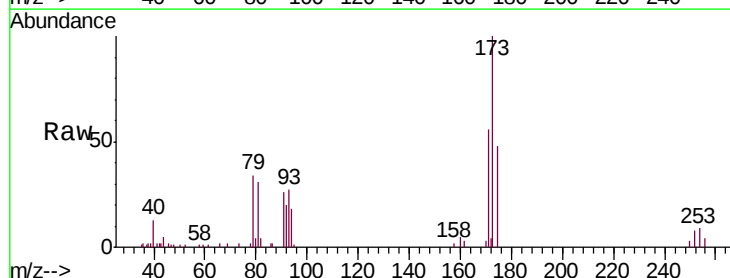
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

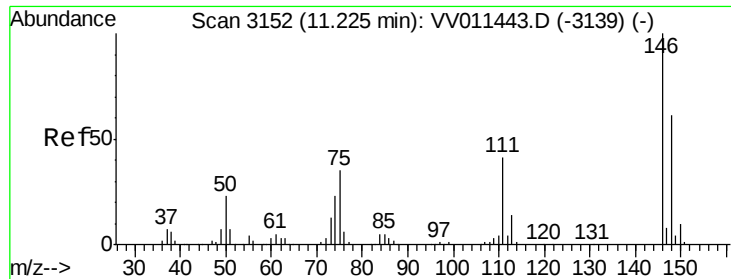
Tgt Ion: 75 Resp: 27461
 Ion Ratio Lower Upper
 75 100
 77 33.4 26.7 40.1



#61
 Bromoform
 Concen: 4.104 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion: 173 Resp: 12998
 Ion Ratio Lower Upper
 173 100
 175 49.1 37.0 55.4
 254 8.6 6.9 10.3

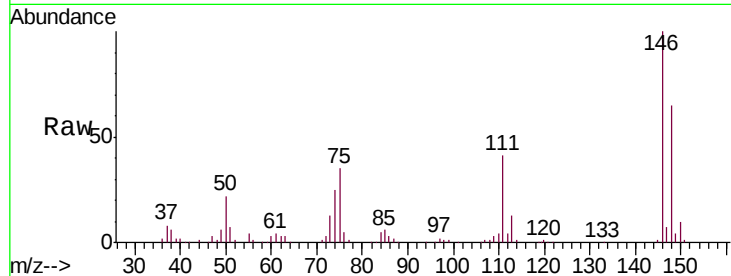




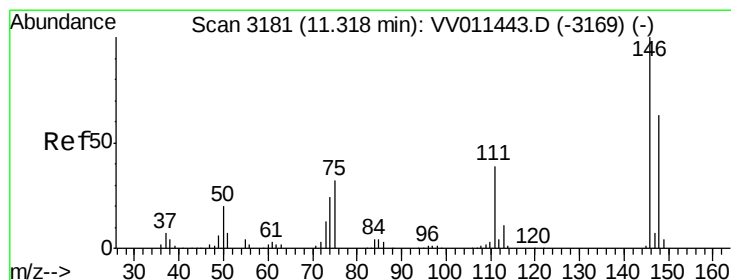
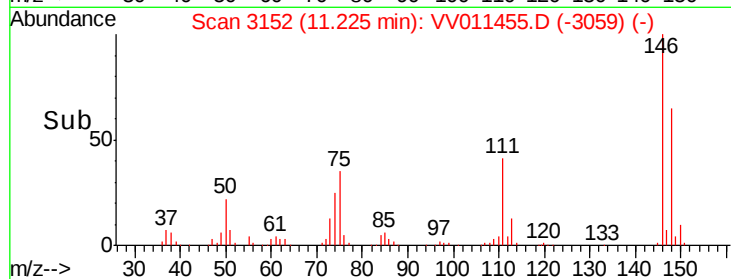
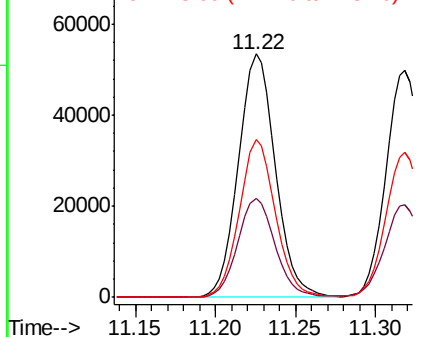
#62
 1,3-Dichlorobenzene
 Concen: 4.824 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tgt Ion:146 Resp: 84089
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.0 53.9
 148 64.9 44.0 81.8

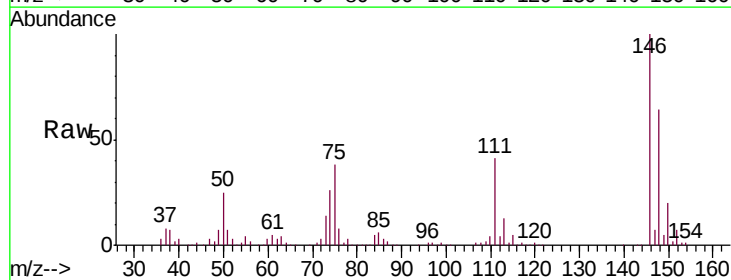


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

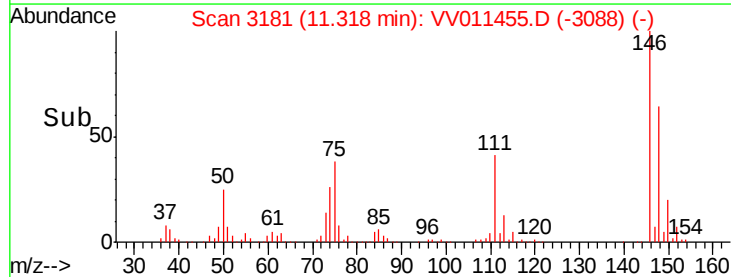
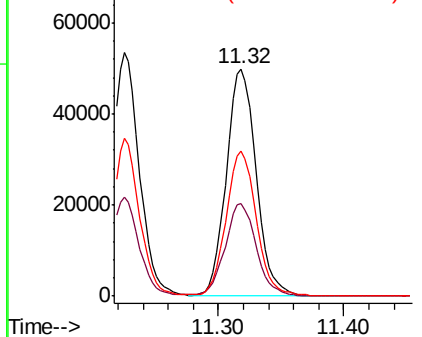


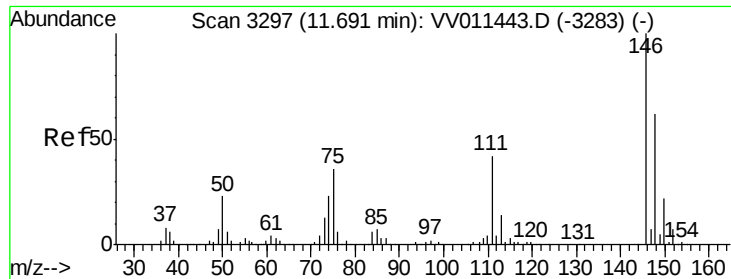
#63
 1,4-Dichlorobenzene
 Concen: 4.876 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011455.D
 Acq: 13 Jun 2019 11:24

Tgt Ion:146 Resp: 82511
 Ion Ratio Lower Upper
 146 100
 111 40.8 28.3 52.5
 148 63.6 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: 5.046 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

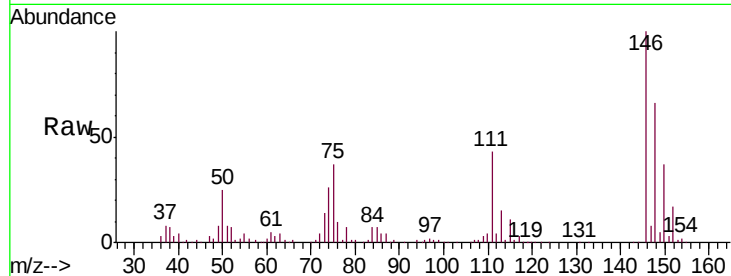
Tgt Ion:146 Resp: 81300

Ion Ratio Lower Upper

146 100

111 43.4 33.9 50.9

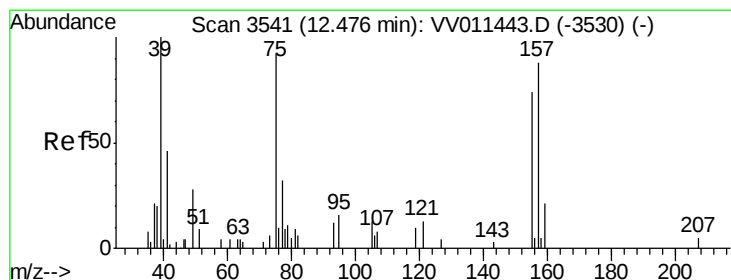
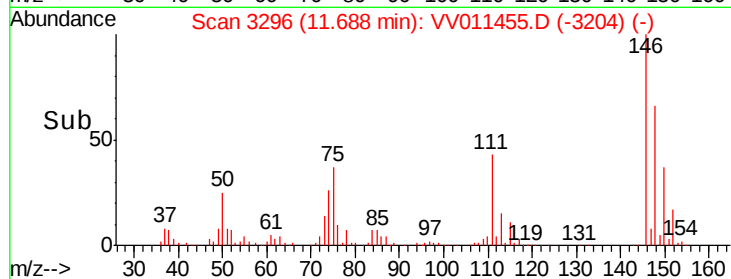
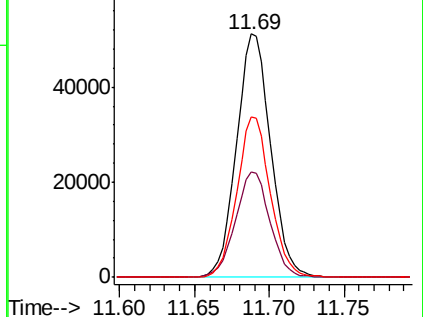
148 66.1 50.3 75.5



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: 4.046 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

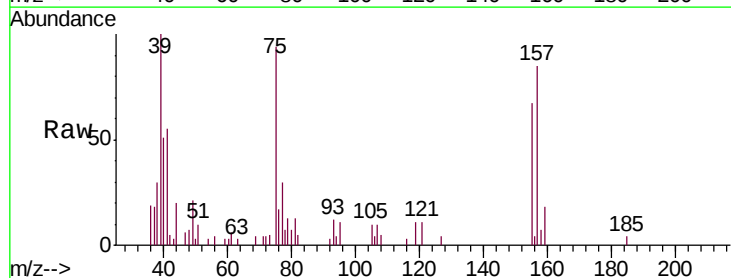
Tgt Ion: 75 Resp: 4671

Ion Ratio Lower Upper

75 100

155 71.4 64.4 96.6

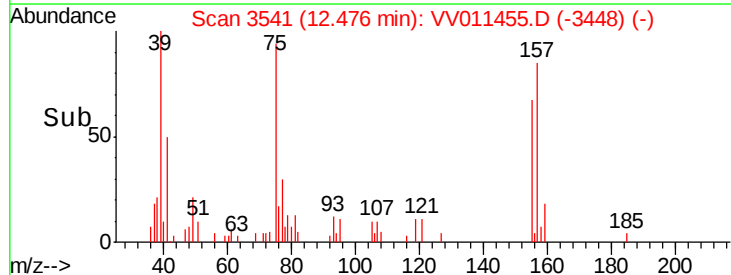
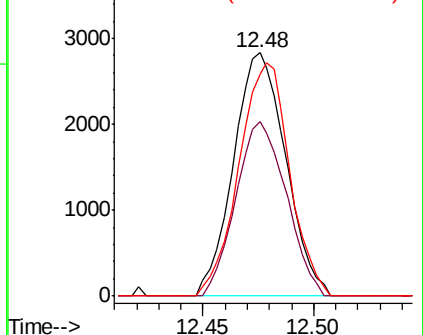
157 91.3 66.7 100.1

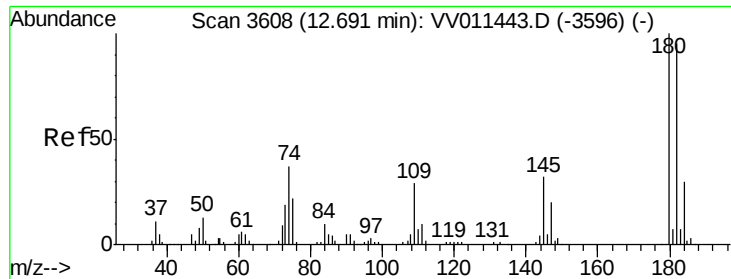


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#67

1,3,5-Trichlorobenzene

Concen: 4.820 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tgt Ion:180 Resp: 60449

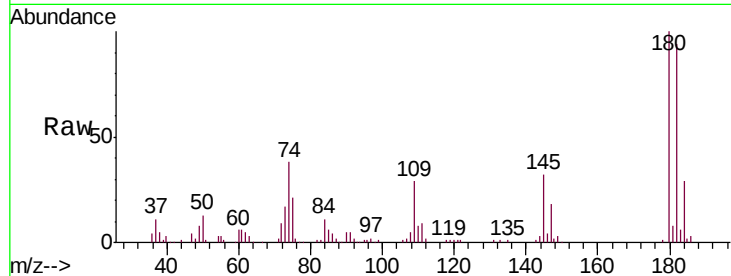
Ion Ratio Lower Upper

180 100

182 94.7 76.7 115.1

184 29.6 23.8 35.8

145 32.0 24.2 36.2

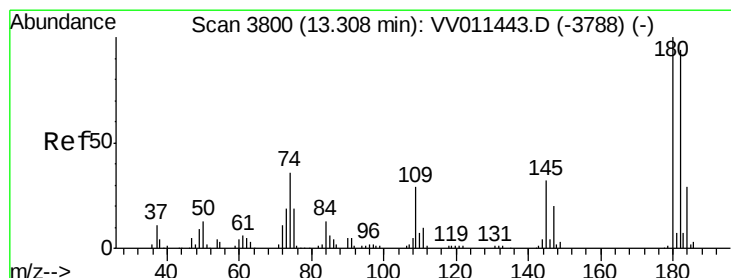
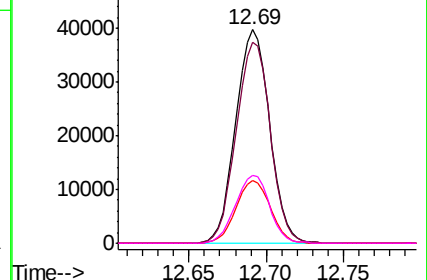
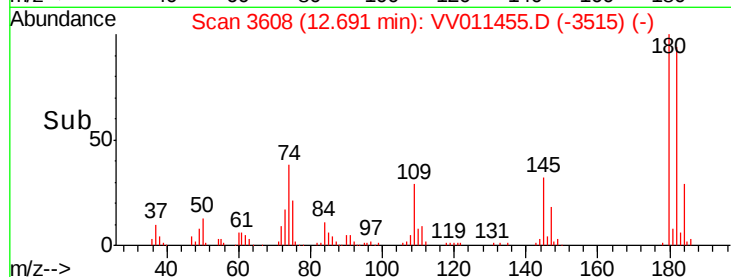


Abundance Ion 180.00 (179.70 to 180.70): V

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: 4.412 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

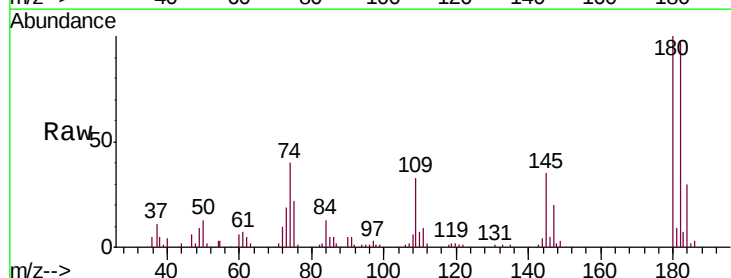
Tgt Ion:180 Resp: 42008

Ion Ratio Lower Upper

180 100

182 98.9 78.8 118.2

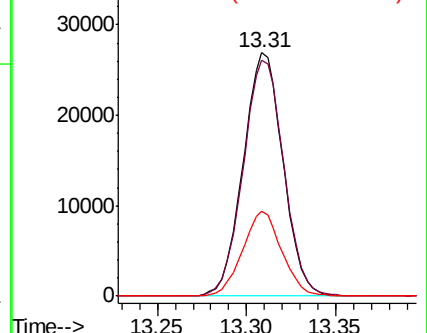
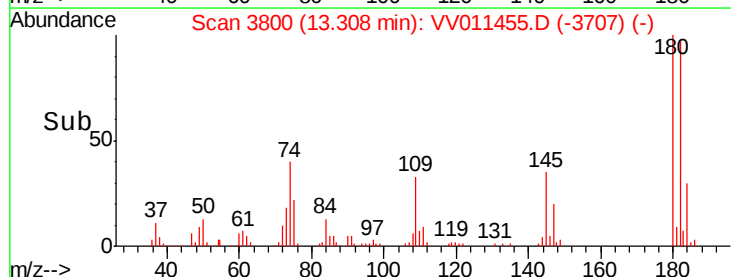
145 34.2 26.3 39.5

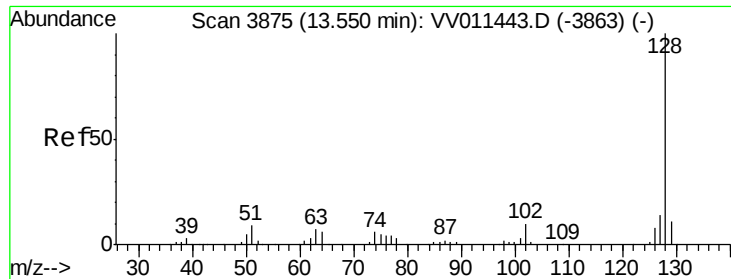


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.062 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

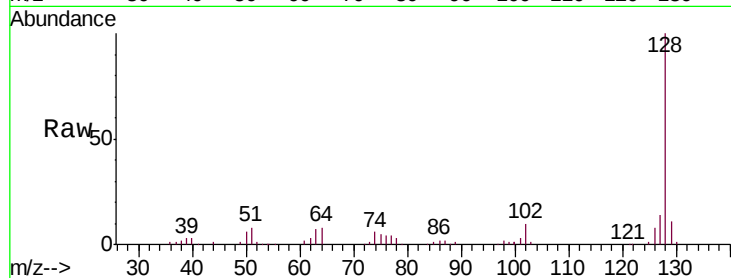
Tgt Ion:128 Resp: 63299

Ion Ratio Lower Upper

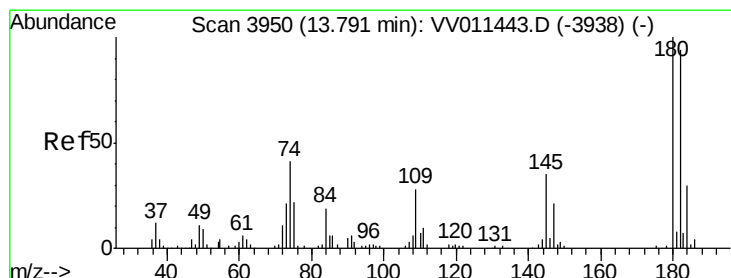
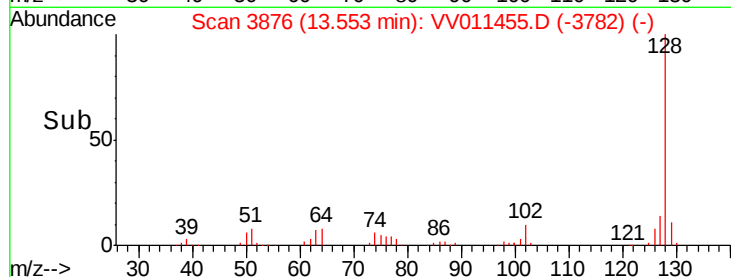
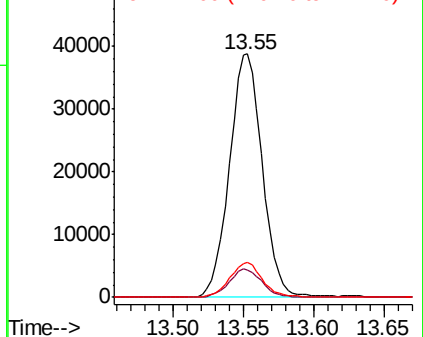
128 100

129 11.4 8.9 13.3

127 14.3 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: 4.781 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011455.D

Acq: 13 Jun 2019 11:24

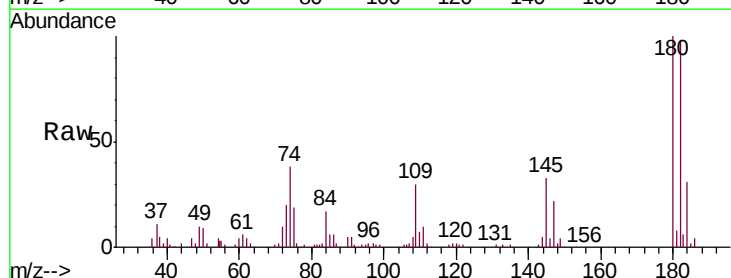
Tgt Ion:180 Resp: 40816

Ion Ratio Lower Upper

180 100

182 95.5 78.6 117.8

145 32.6 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

