

Data File : VV010492.D
Acq On : 25 Apr 2019 11:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Apr 26 05:07:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 04:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	248986	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	255200	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	135795	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	52939	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.58	69	42204	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.13	63	113256	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	3.95	46	138458	44.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.98%
24) Chloroform-d	4.40	84	126657	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.20%
26) 1,2-Dichloroethane-d4	5.08	65	64919	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.09	84	253498	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
36) 1,2-Dichloropropane-d6	6.12	67	75072	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.00%
41) Toluene-d8	7.36	98	253499	4.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	7.66	79	28782	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.13	63	115852	43.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57964	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	102561	4.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96761	4.983	ug/L 100
3) Chloromethane	1.25	50	79269	5.054	ug/L 99
5) Vinyl chloride	1.32	62	78242	4.611	ug/L 96
6) Bromomethane	1.53	94	50156	4.495	ug/L 97
8) Chloroethane	1.60	64	45748	4.800	ug/L 99
9) Trichlorofluoromethane	1.77	101	157585	5.010	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	79873	4.827	ug/L 98
12) 1,1-Dichloroethene	2.14	96	68815	4.586	ug/L 96
13) Acetone	2.19	43	81859	44.209	ug/L 98
14) Carbon disulfide	2.32	76	180272	4.445	ug/L 99
15) Methyl Acetate	2.46	43	19739	4.115	ug/L 95
16) Methylene chloride	2.53	84	71505	4.363	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	157240	4.462	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	71677	4.380	ug/L 99
19) 1,1-Dichloroethane	3.22	63	117422	4.502	ug/L 99
21) 2-Butanone	4.03	43	165842	51.097	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	88790	5.208	ug/L 98

Data File : VV010492.D
Acq On : 25 Apr 2019 11:40
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Apr 26 05:07:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 04:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	38626	5.196	ug/L	92
25) Chloroform	4.42	83	168055	5.466	ug/L	99
27) 1,2-Dichloroethane	5.18	62	90377	5.010	ug/L	96
29) 1,1,1-Trichloroethane	4.65	97	146246	4.921	ug/L	98
30) Cyclohexane	4.71	56	118458	4.725	ug/L	95
31) Carbon tetrachloride	4.87	117	132064	4.888	ug/L	98
33) Benzene	5.14	78	325523	4.989	ug/L	100
34) Trichloroethene	5.95	95	94008	4.994	ug/L	92
35) Methylcyclohexane	6.17	83	135463	4.795	ug/L	99
37) 1,2-Dichloropropane	6.22	63	76243	4.815	ug/L	100
38) Bromodichloromethane	6.55	83	104650	4.910	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	108298	4.612	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	417237	46.604	ug/L	99
42) Toluene	7.43	91	369520	4.977	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	86796	4.786	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	58729	5.064	ug/L	93
47) Tetrachloroethene	8.02	164	86115	5.123	ug/L	96
48) 2-Hexanone	8.19	43	302406	48.560	ug/L	99
49) Dibromochloromethane	8.29	129	75451	5.036	ug/L	100
50) 1,2-Dibromoethane	8.40	107	55108	4.901	ug/L	97
51) Chlorobenzene	8.92	112	255387	5.064	ug/L	96
52) Ethylbenzene	9.05	91	415307	5.034	ug/L	100
53) m,p-xylene	9.18	106	166299	5.127	ug/L	99
54) o-xylene	9.59	106	156444	4.916	ug/L	95
55) Styrene	9.60	104	272020	5.269	ug/L	96
56) Isopropylbenzene	9.97	105	433148	5.110	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66725	5.002	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	48176	4.919	ug/L	95
61) Bromoform	9.77	173	39571	4.915	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	211358	4.995	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	216796	5.088	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	205247	5.114	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9930	4.568	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	181169	5.228	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	134005	5.111	ug/L	99
69) Naphthalene	13.55	128	174153	4.477	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	126485	5.089	ug/L	98

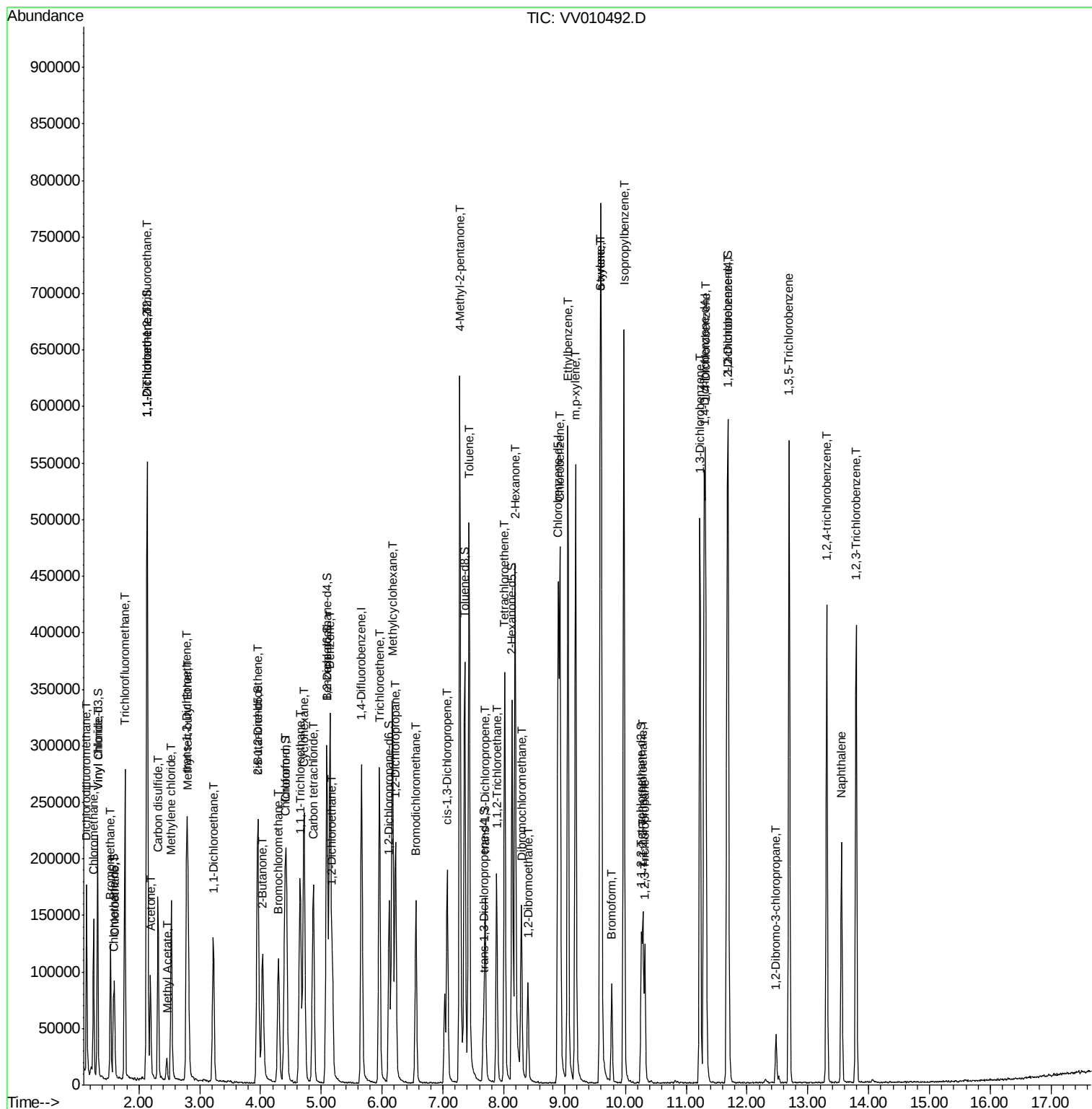
(#) = qualifier out of range (m) = manual integration (+) = signals summed

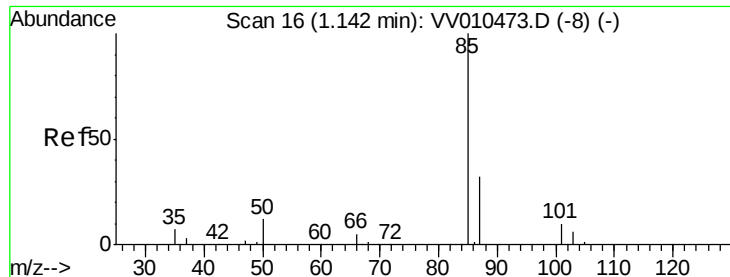
Data File : VV010492.D

```
Acq On       : 25 Apr 2019   11:40
Operator     : SY/MD
Sample       : VSTDCCC005
Misc         : 25mL/MSVOA_V/WATER
ALS Vial     : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Quant Time: Apr 26 05:07:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 04:02:34 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.983 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

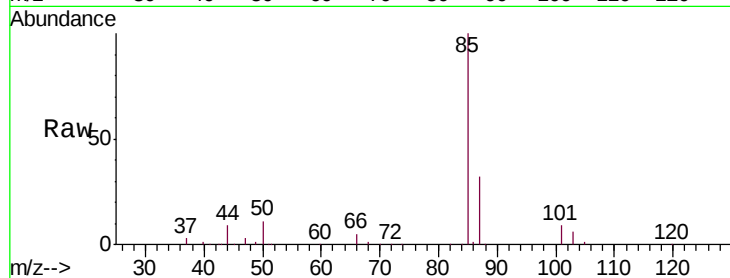
VSTD00547

Tgt Ion: 85 Resp: 96761

Ion Ratio Lower Upper

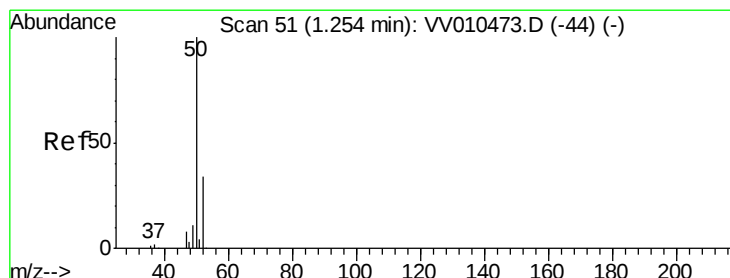
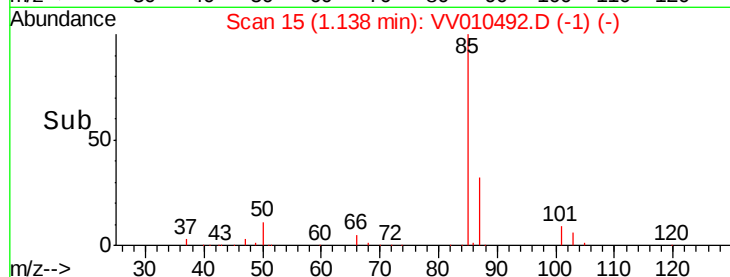
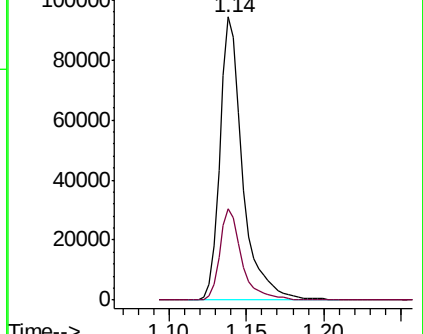
85 100

87 31.1 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.054 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010492.D

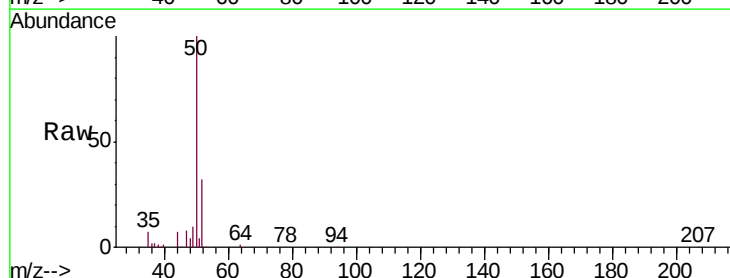
Acq: 25 Apr 2019 11:40

Tgt Ion: 50 Resp: 79269

Ion Ratio Lower Upper

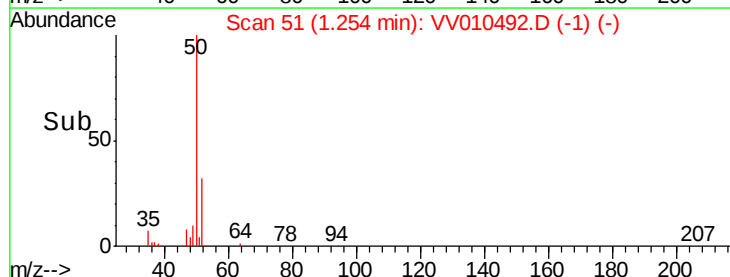
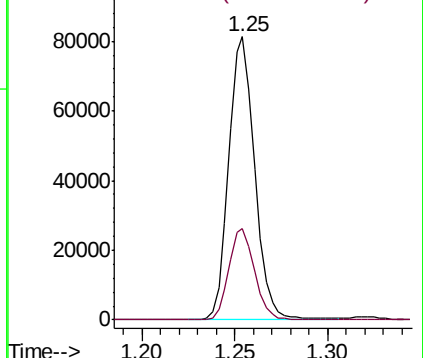
50 100

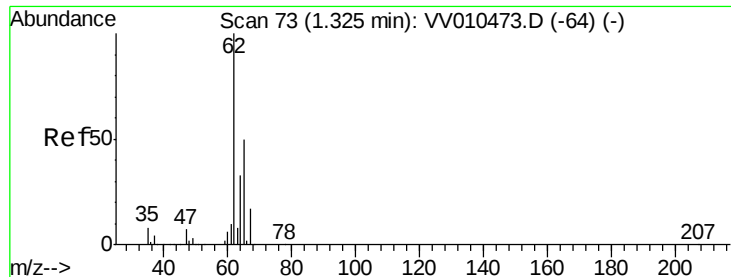
52 32.2 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.611 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

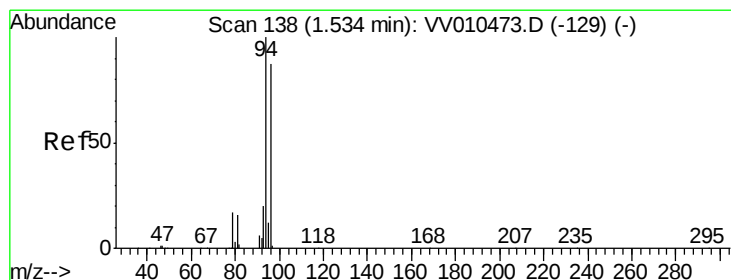
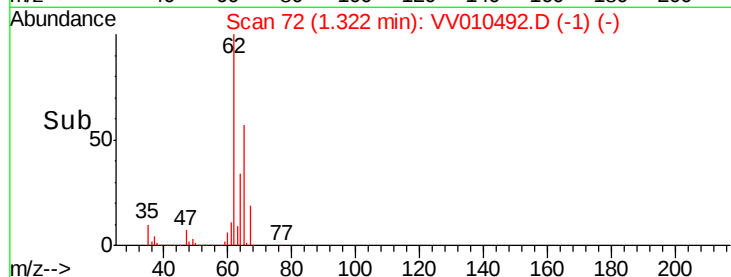
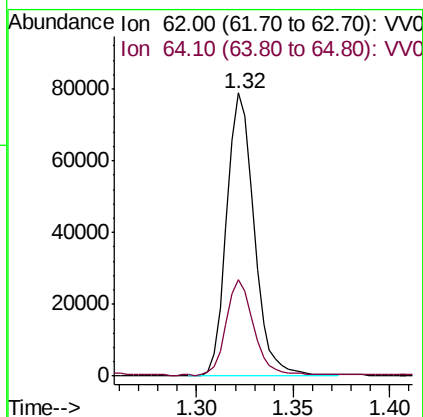
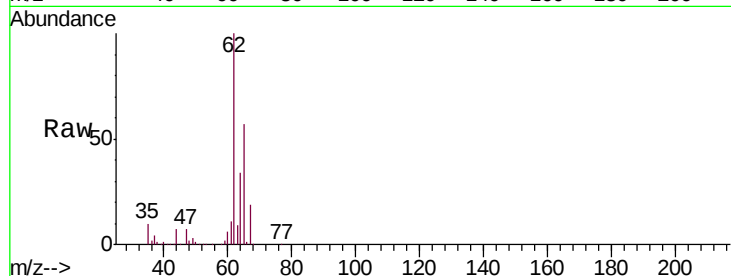
VSTD00547

Tgt Ion: 62 Resp: 78242

Ion Ratio Lower Upper

62 100

64 34.1 25.4 47.2



#6

Bromomethane

Concen: 4.495 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV010492.D

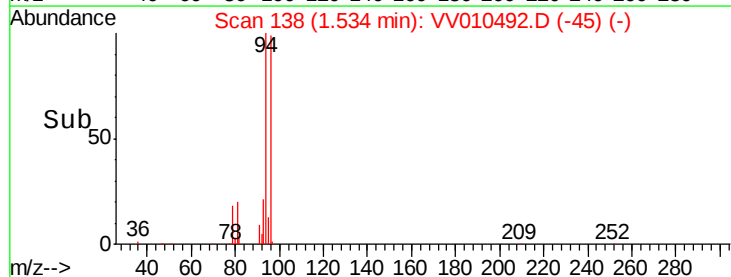
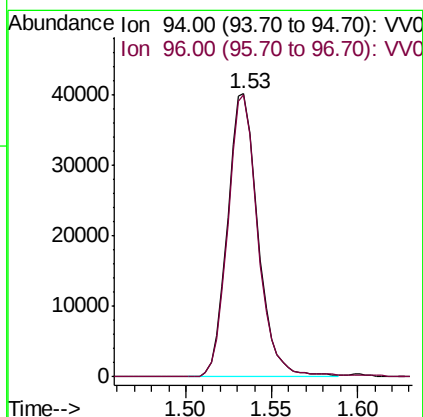
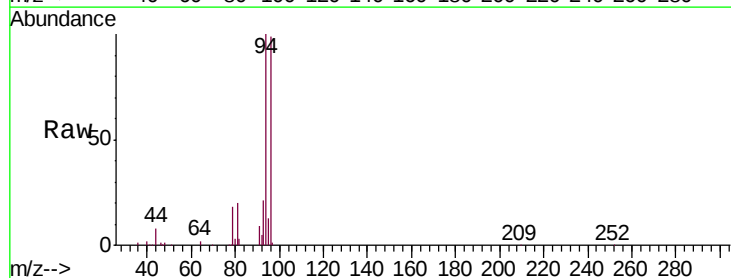
Acq: 25 Apr 2019 11:40

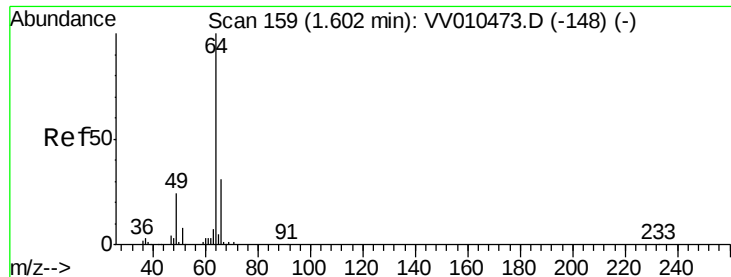
Tgt Ion: 94 Resp: 50156

Ion Ratio Lower Upper

94 100

96 99.5 67.6 125.6





#8

Chloroethane

Concen: 4.800 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

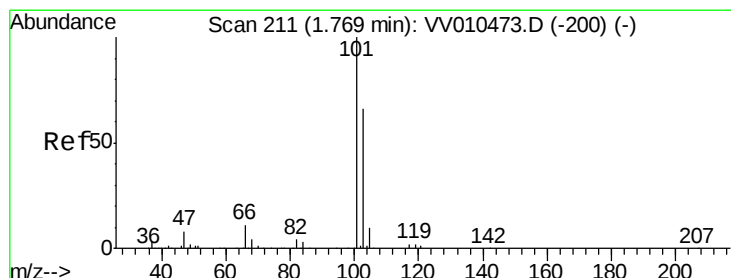
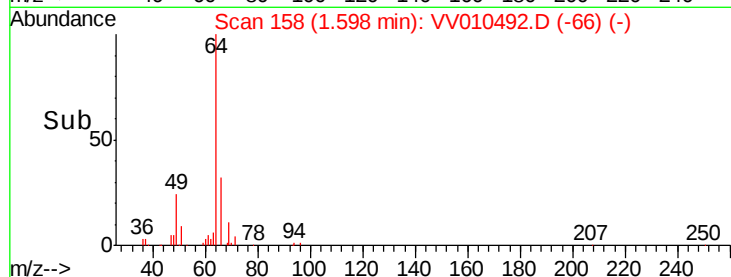
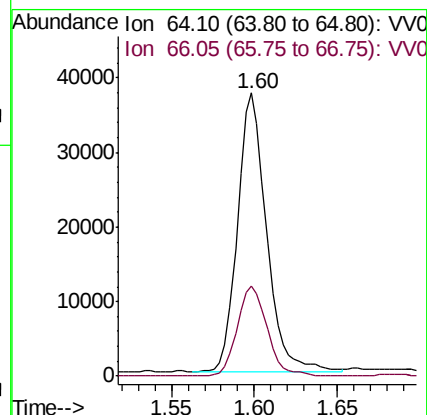
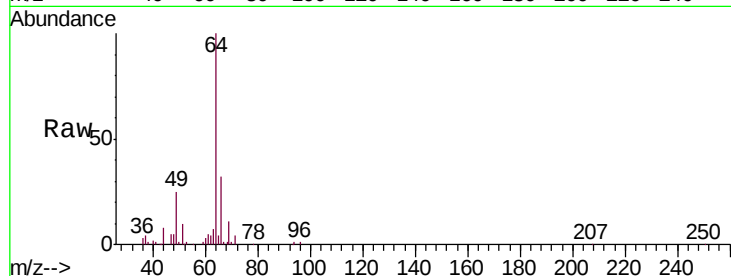
VSTD00547

Tgt Ion: 64 Resp: 45748

Ion Ratio Lower Upper

64 100

66 31.6 22.5 41.9



#9

Trichlorofluoromethane

Concen: 5.010 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV010492.D

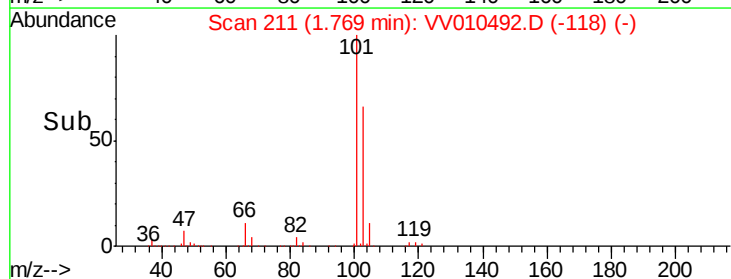
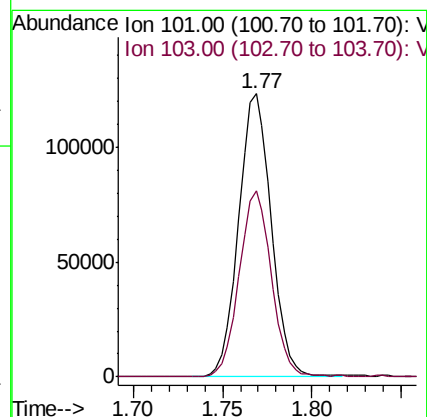
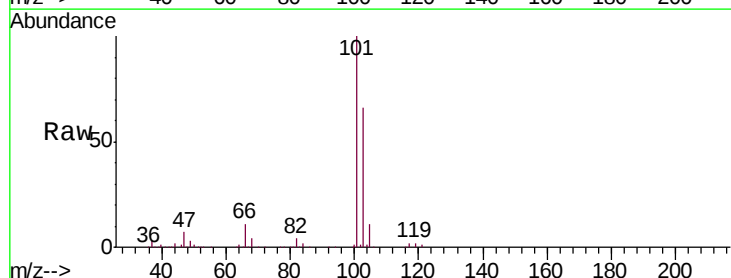
Acq: 25 Apr 2019 11:40

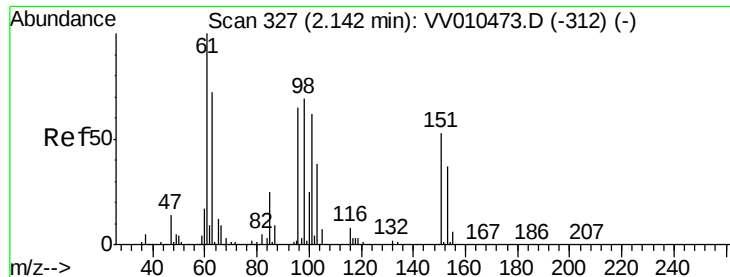
Tgt Ion: 101 Resp: 157585

Ion Ratio Lower Upper

101 100

103 65.4 52.6 78.8





#10

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

Concen: 4.827 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

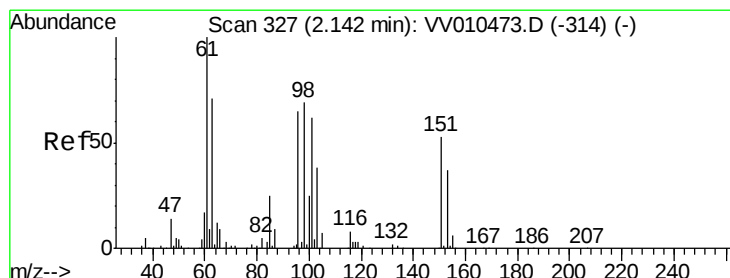
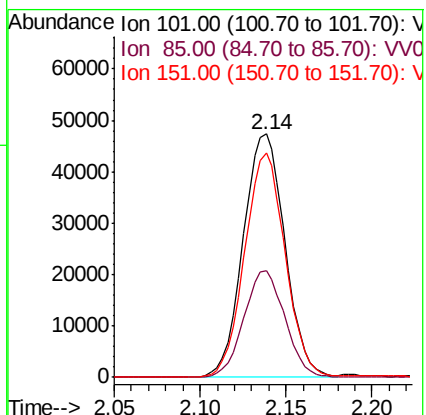
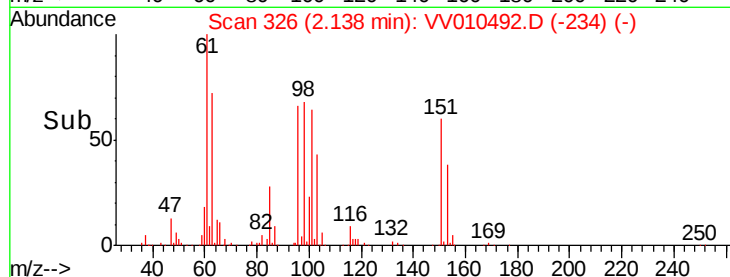
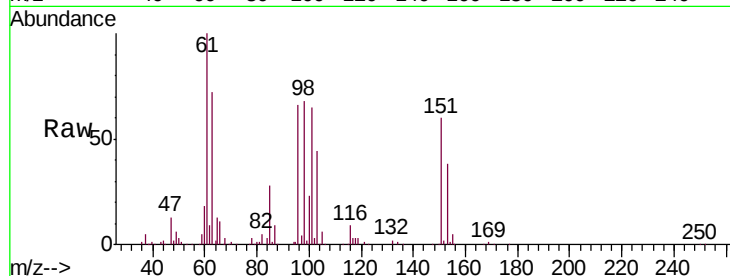
Tgt Ion:101 Resp: 79873

Ion Ratio Lower Upper

101 100

85 42.8 33.8 50.8

151 89.5 73.8 110.6



#12

1,1-Dichloroethene

Concen: 4.586 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

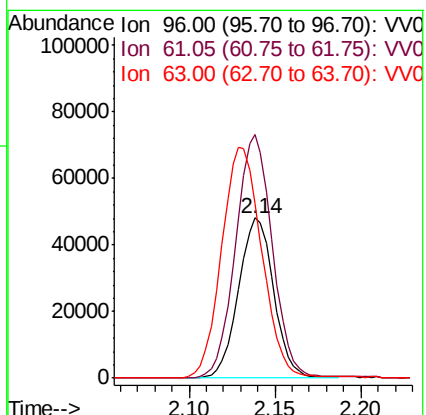
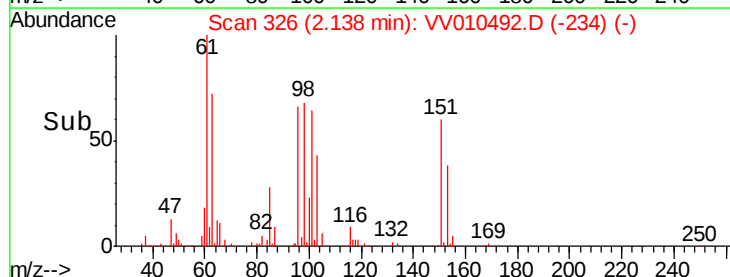
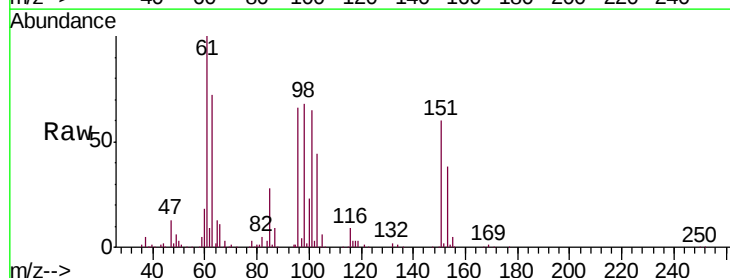
Tgt Ion: 96 Resp: 68815

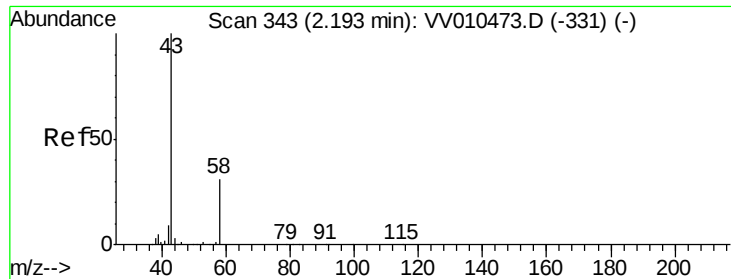
Ion Ratio Lower Upper

96 100

61 152.2 104.3 193.7

63 109.3 72.1 133.9





#13

Acetone

Concen: 44.209 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

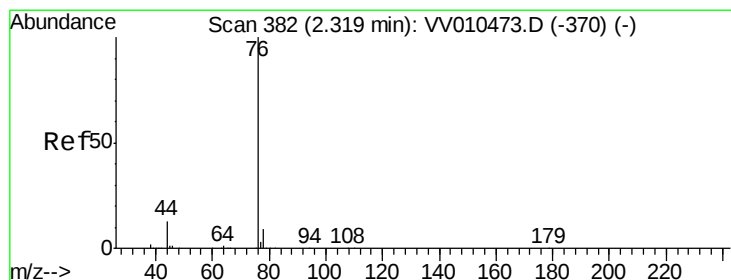
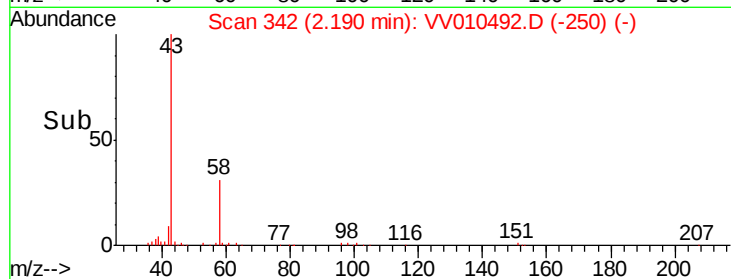
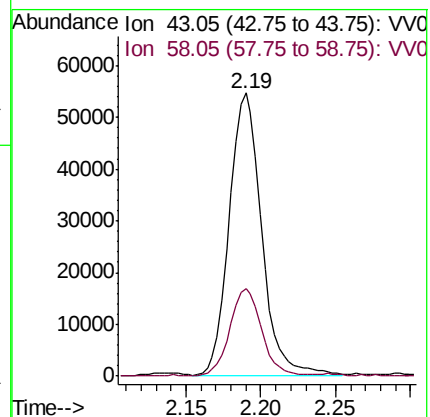
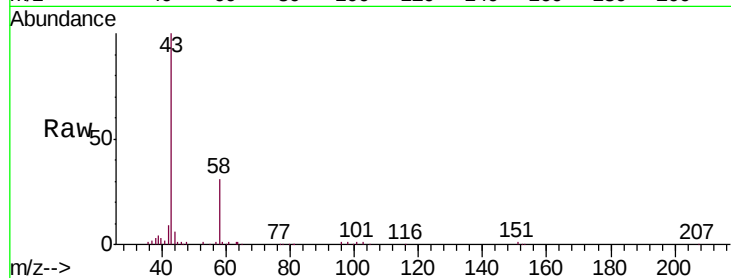
VSTD00547

Tgt Ion: 43 Resp: 81859

Ion Ratio Lower Upper

43 100

58 30.7 0.0 59.6



#14

Carbon disulfide

Concen: 4.445 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV010492.D

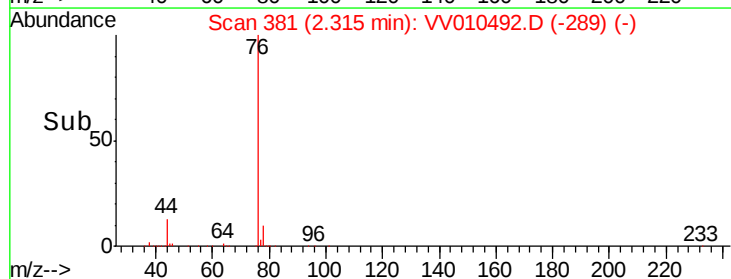
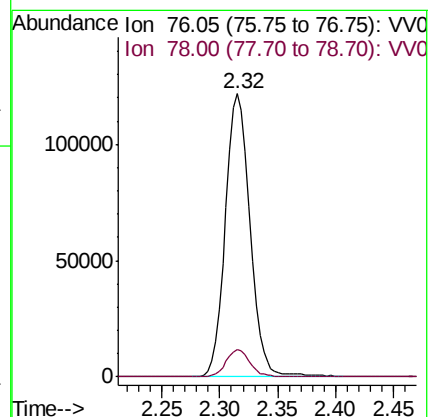
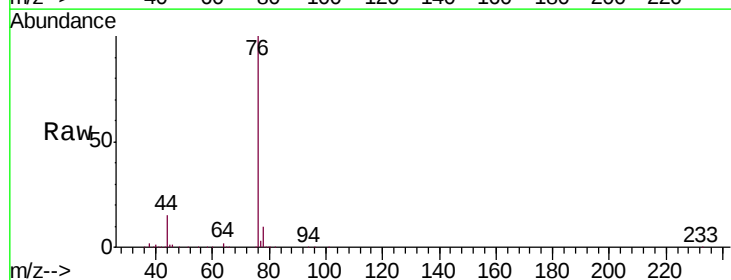
Acq: 25 Apr 2019 11:40

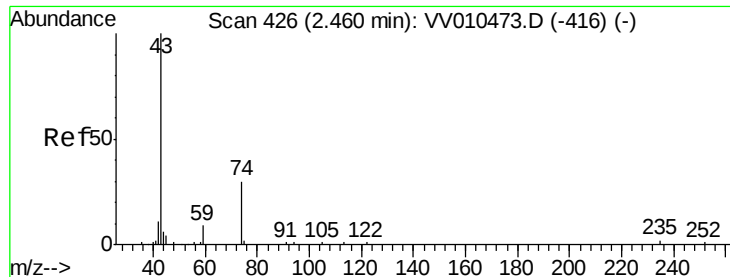
Tgt Ion: 76 Resp: 180272

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

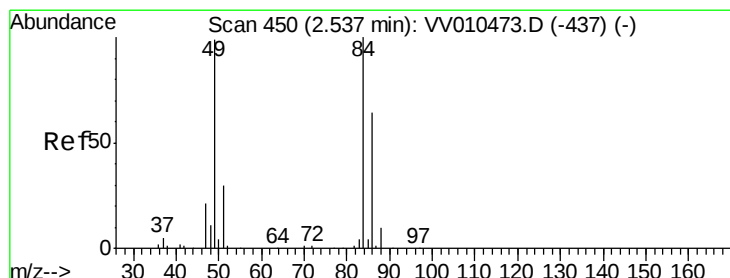
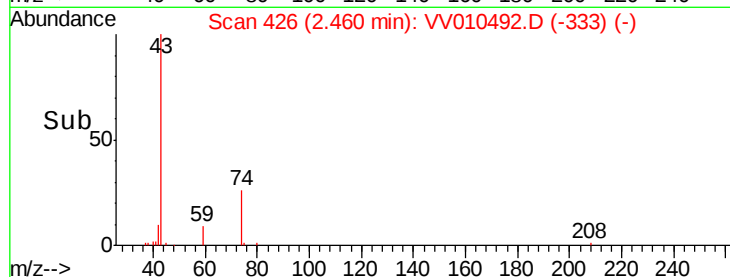
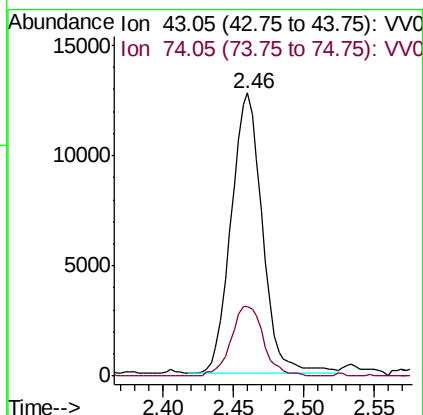
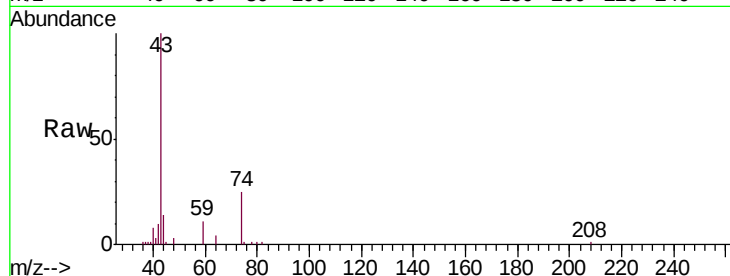




#15
Methyl Acetate
Concen: 4.115 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

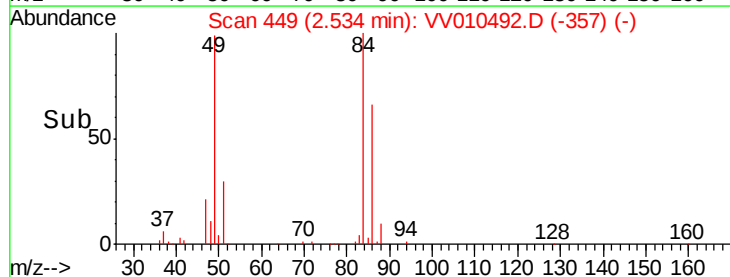
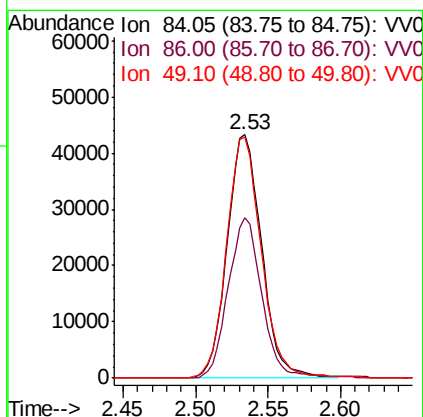
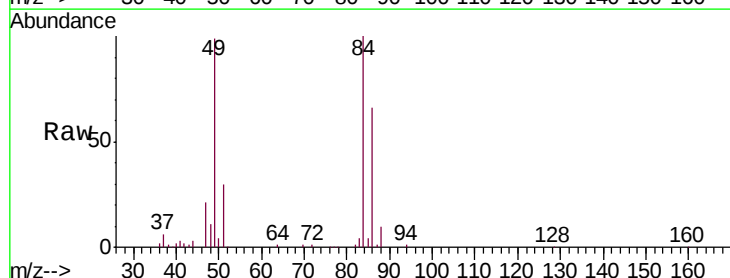
Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

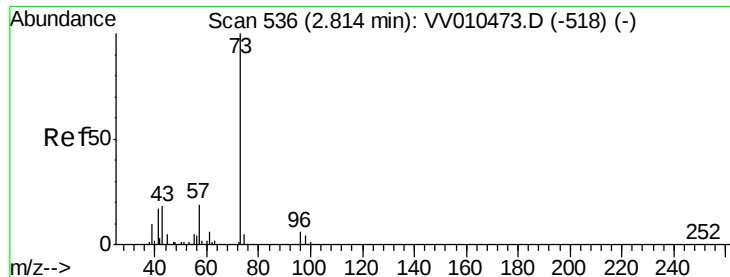
Tgt Ion: 43 Resp: 19739
Ion Ratio Lower Upper
43 100
74 25.9 23.0 34.6



#16
Methylene chloride
Concen: 4.363 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Tgt Ion: 84 Resp: 71505
Ion Ratio Lower Upper
84 100
86 65.9 44.7 83.1
49 99.1 72.7 135.1



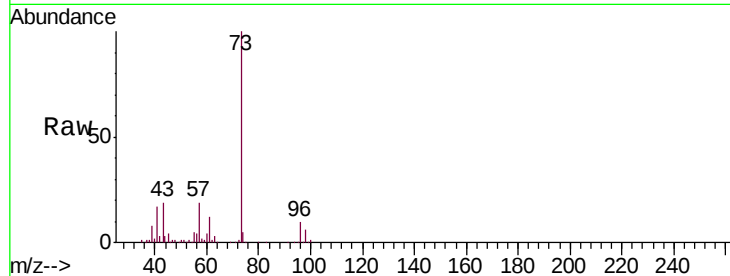


#17

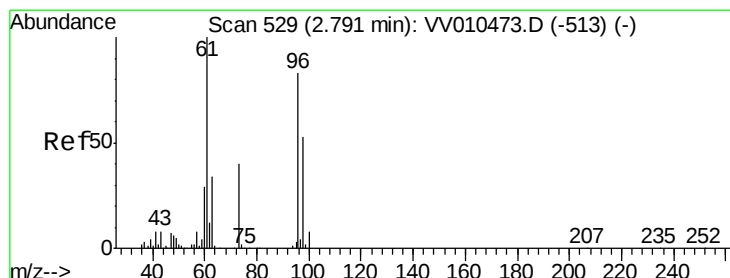
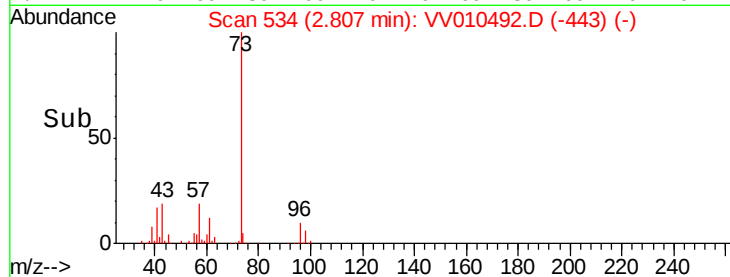
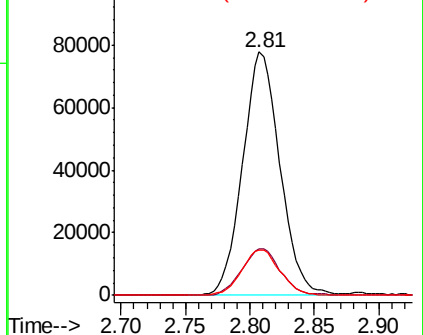
Methyl tert-butyl Ether
 Concen: 4.462 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	73	Resp:	157240
Ion	Ratio	Lower	Upper
73	100		
43	19.9	14.9	22.3
57	19.2	15.7	23.5



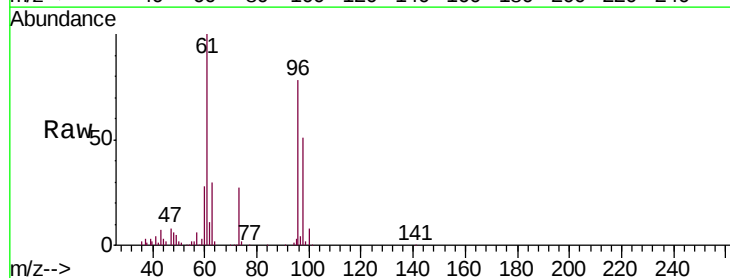
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



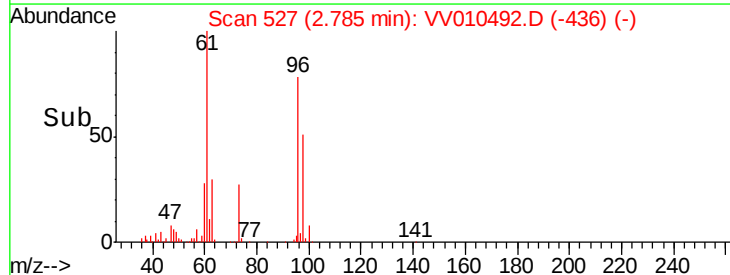
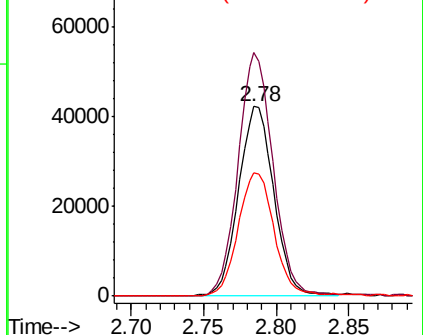
#18

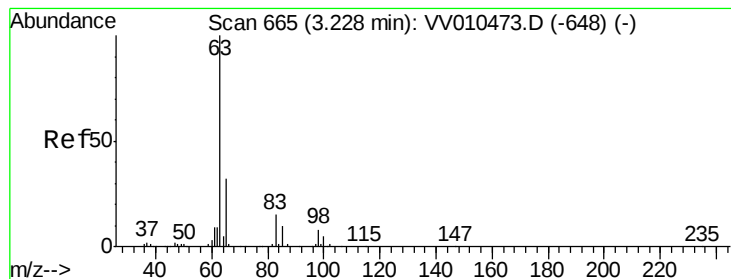
trans-1,2-Dichloroethene
 Concen: 4.380 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion:	96	Resp:	71677
Ion	Ratio	Lower	Upper
96	100		
61	128.3	89.2	165.6
98	65.1	44.8	83.2



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: 4.502 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.01 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

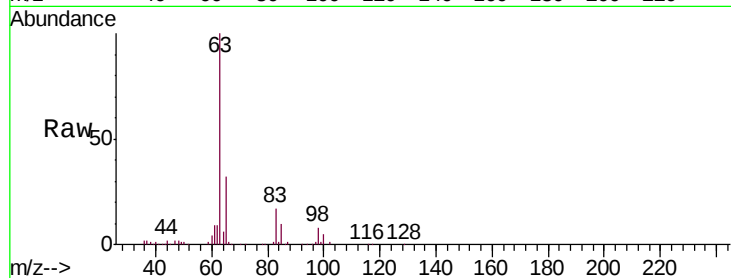
Tgt Ion: 63 Resp: 117422

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

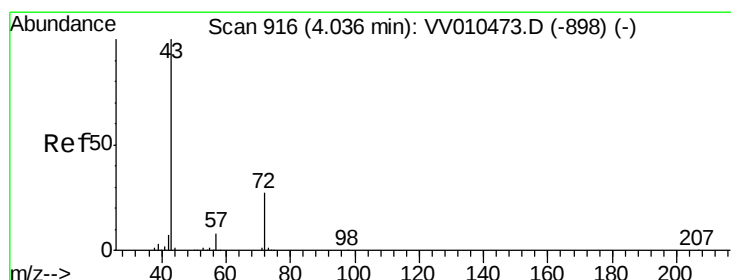
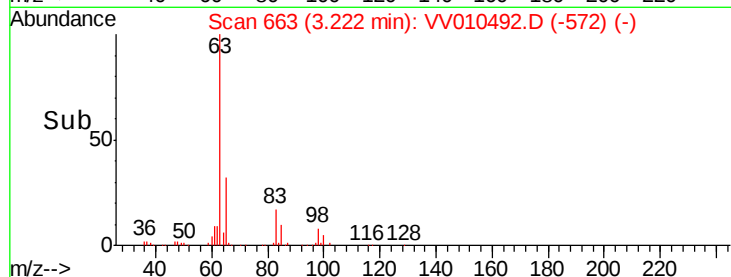
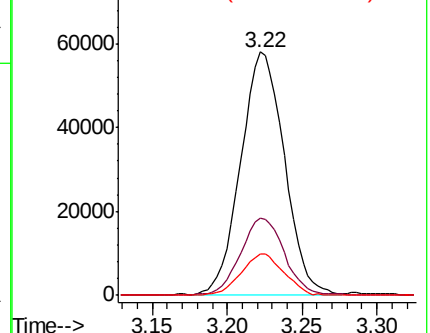
83 16.8 11.3 20.9



Abundance Ion 63.10 (62.80 to 63.80): VV010492.D (-572) (-)

Ion 65.10 (64.80 to 65.80): VV010492.D (-572) (-)

Ion 83.05 (82.75 to 83.75): VV010492.D (-572) (-)



#21

2-Butanone

Concen: 51.097 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.00 min

Lab File: VV010492.D

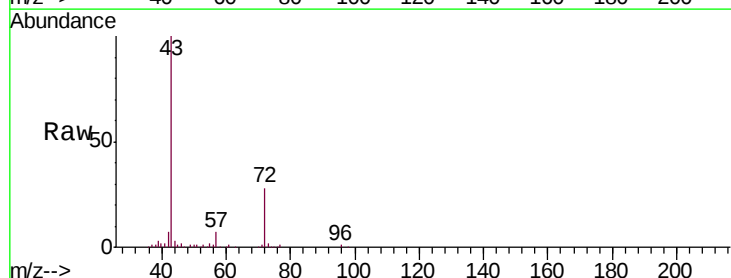
Acq: 25 Apr 2019 11:40

Tgt Ion: 43 Resp: 165842

Ion Ratio Lower Upper

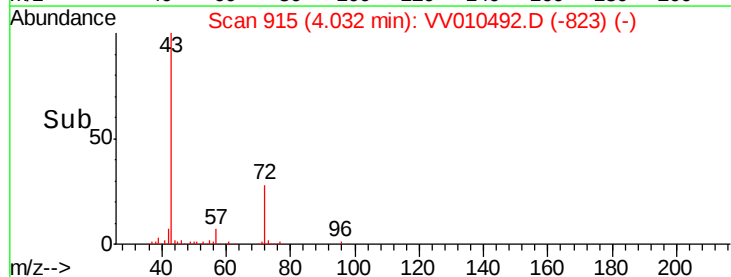
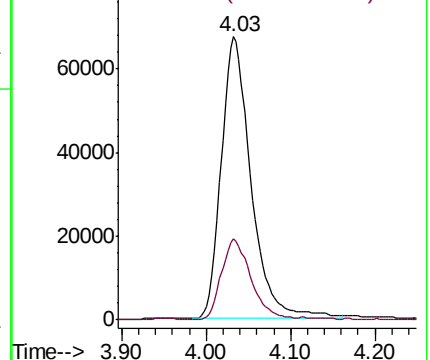
43 100

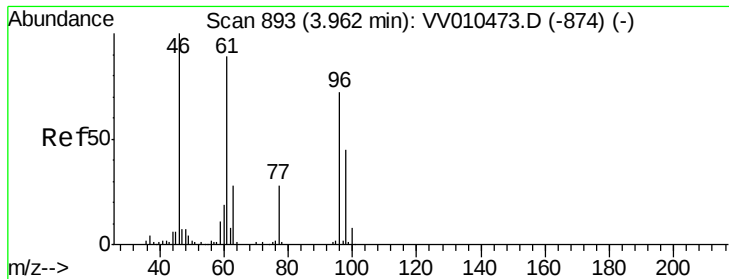
72 28.4 14.1 42.2



Abundance Ion 43.05 (42.75 to 43.75): VV010492.D (-823) (-)

Ion 72.10 (71.80 to 72.80): VV010492.D (-823) (-)



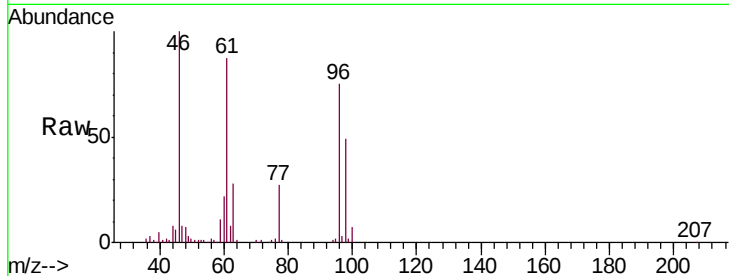


#22

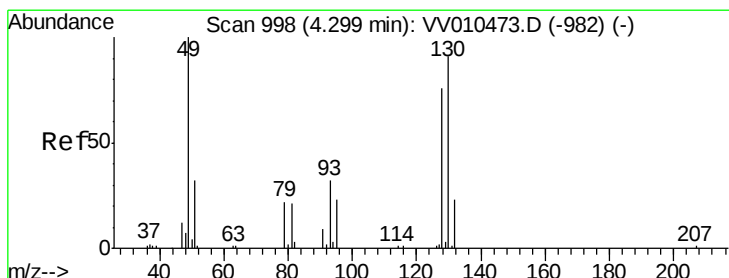
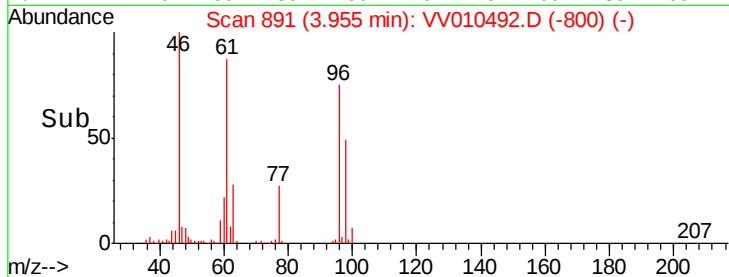
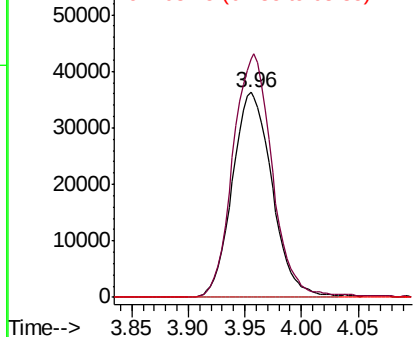
cis-1,2-Dichloroethene
 Concen: 5.208 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 96 Resp: 88790
 Ion Ratio Lower Upper
 96 100
 61 116.5 83.2 154.6
 68 0.0 0.0 0.0



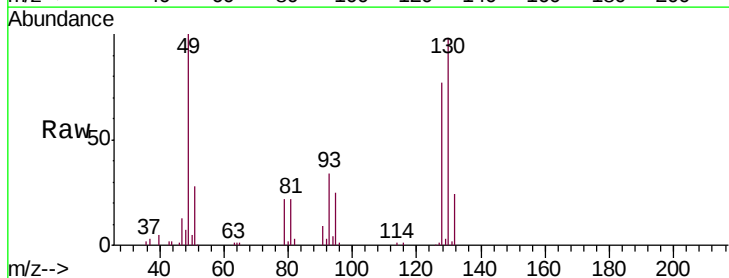
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



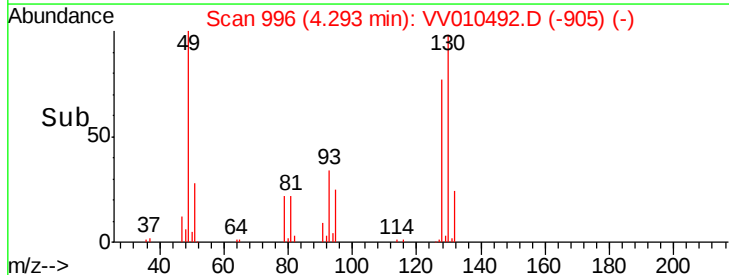
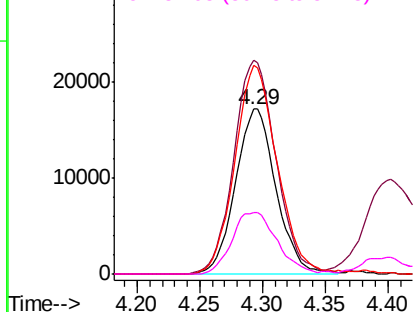
#23

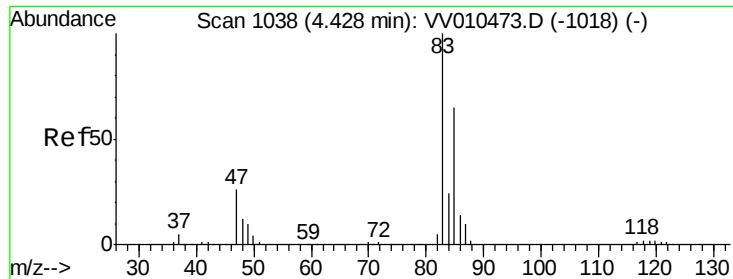
Bromochloromethane
 Concen: 5.196 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 128 Resp: 38626
 Ion Ratio Lower Upper
 128 100
 49 129.8 102.0 189.4
 130 126.6 87.6 162.6
 51 37.0 35.4 53.2



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

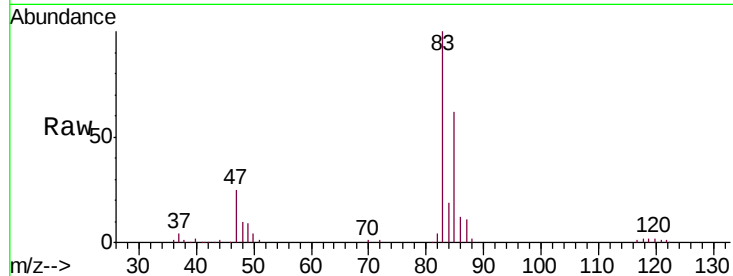




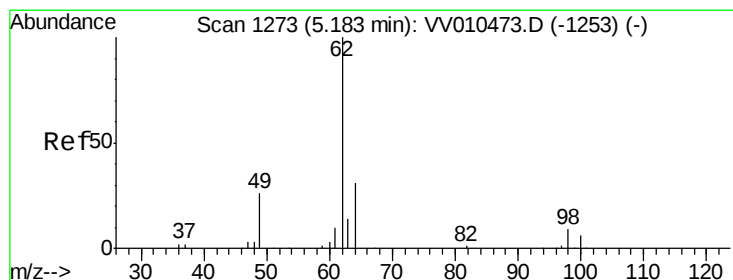
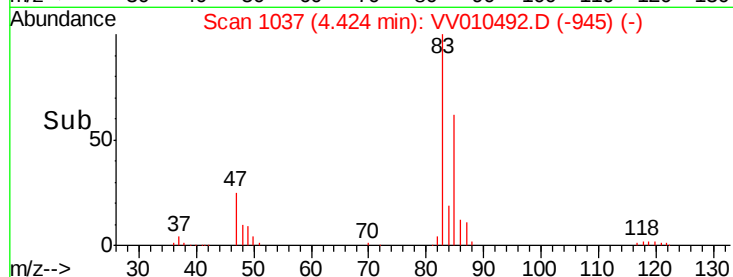
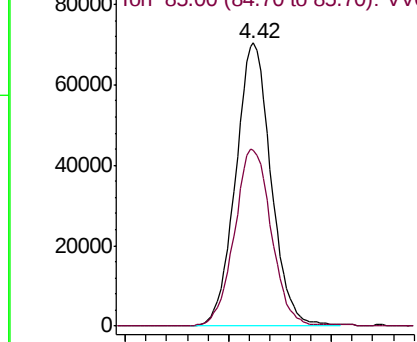
#25
Chloroform
Concen: 5.466 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion: 83 Resp: 168055
Ion Ratio Lower Upper
83 100
85 62.2 44.3 82.3

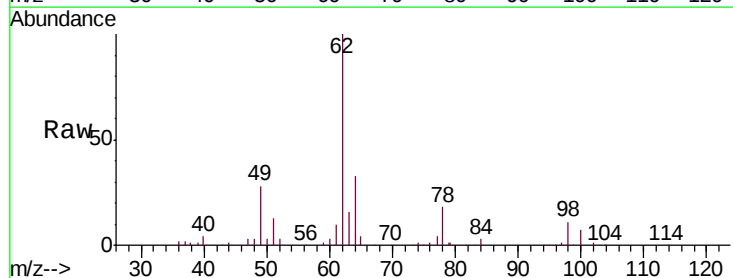


Abundance Ion 83.05 (82.75 to 83.75): VV010473.D (-1018) (-)
Ion 85.00 (84.70 to 85.70): VV010473.D (-1018) (-)

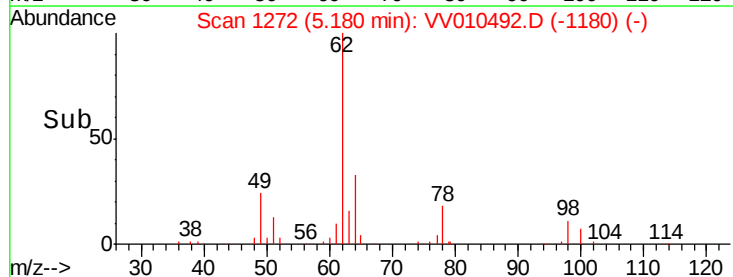
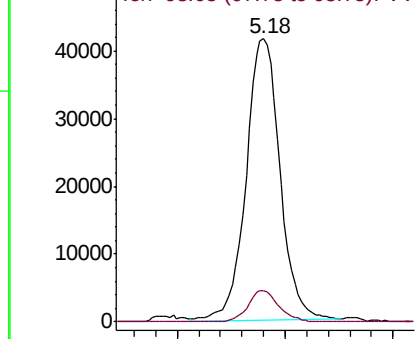


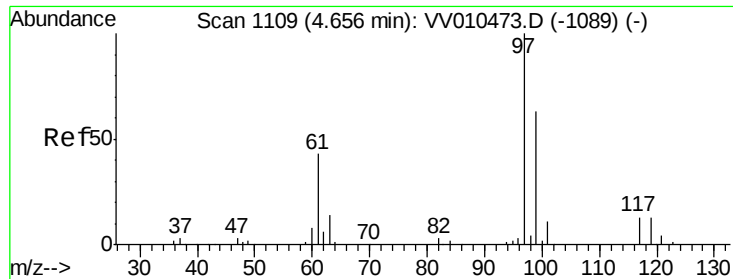
#27
1,2-Dichloroethane
Concen: 5.010 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Tgt Ion: 62 Resp: 90377
Ion Ratio Lower Upper
62 100
98 10.8 7.5 11.3



Abundance Ion 62.00 (61.70 to 62.70): VV010473.D (-1253) (-)
Ion 98.05 (97.75 to 98.75): VV010473.D (-1253) (-)

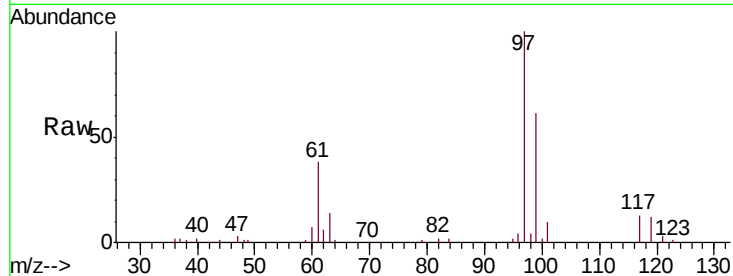




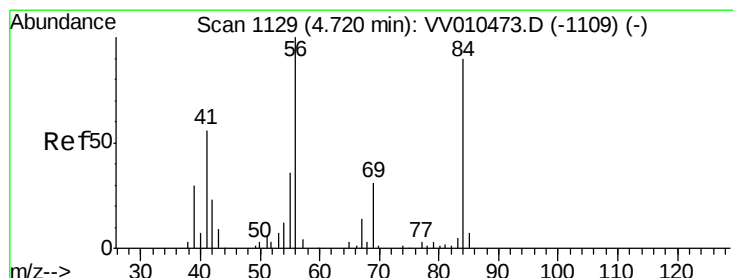
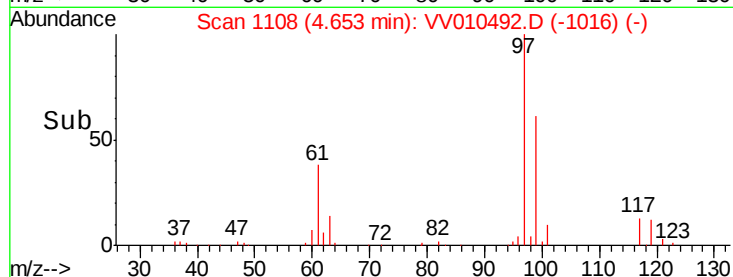
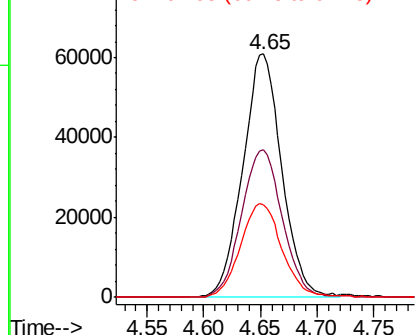
#29
 1,1,1-Trichloroethane
 Concen: 4.921 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 97 Resp: 146246
 Ion Ratio Lower Upper
 97 100
 99 63.4 52.2 78.2
 61 41.0 33.7 50.5

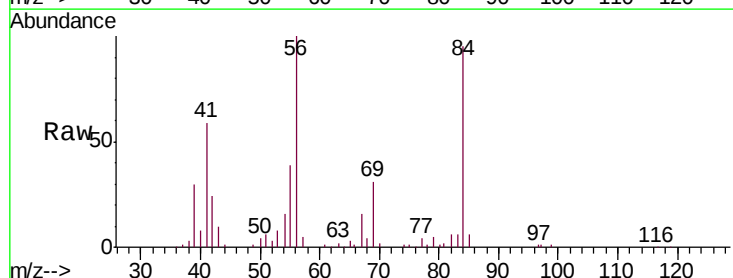


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

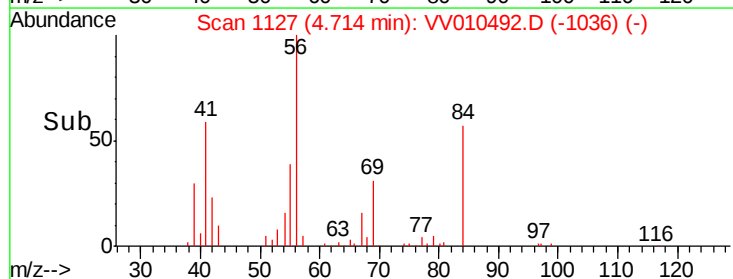
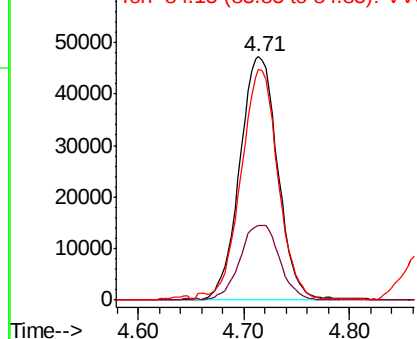


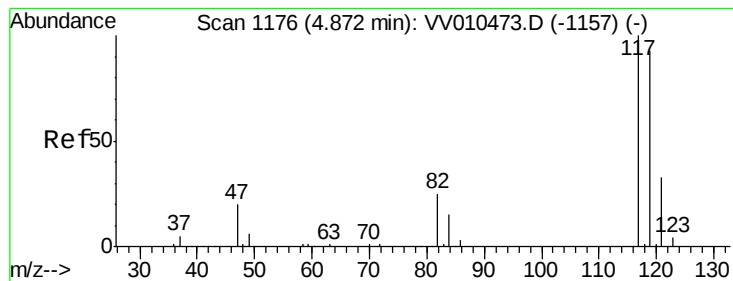
#30
 Cyclohexane
 Concen: 4.725 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 56 Resp: 118458
 Ion Ratio Lower Upper
 56 100
 69 32.0 25.5 38.3
 84 89.9 76.7 115.1



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: 4.888 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

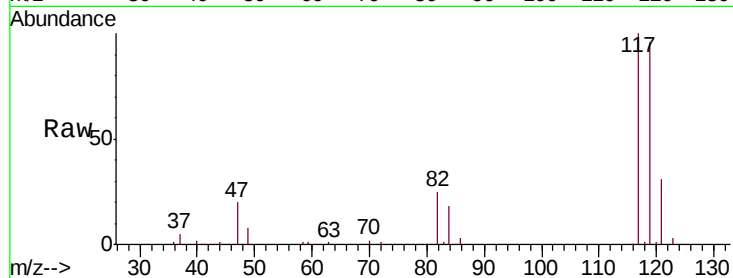
VSTD00547

Tgt Ion:117 Resp: 132064

Ion Ratio Lower Upper

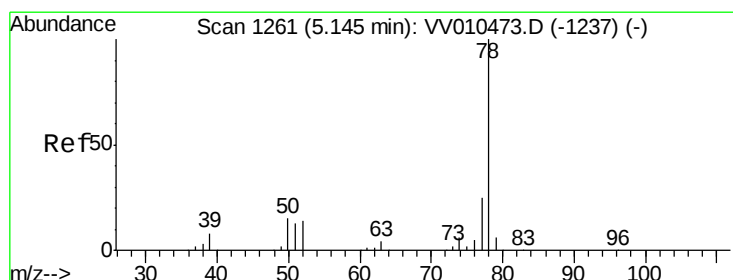
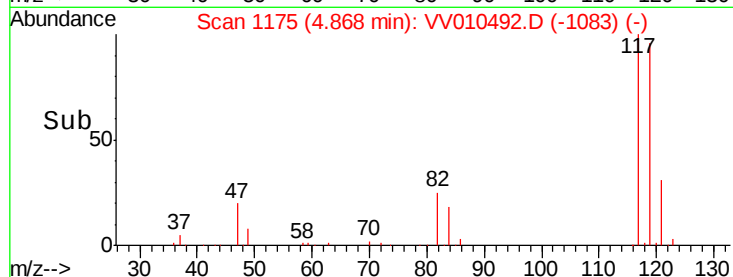
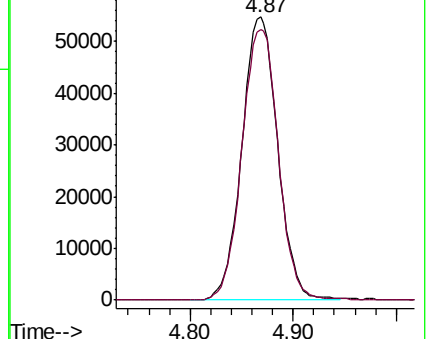
117 100

119 97.6 76.5 114.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.989 ug/L

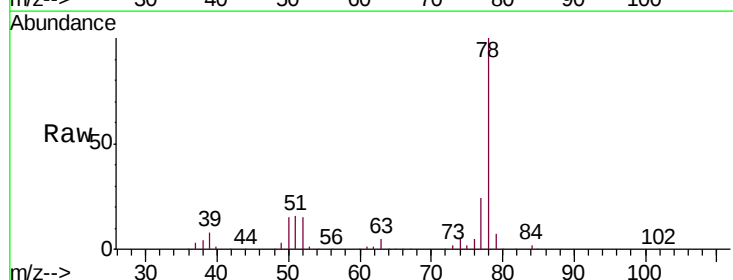
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

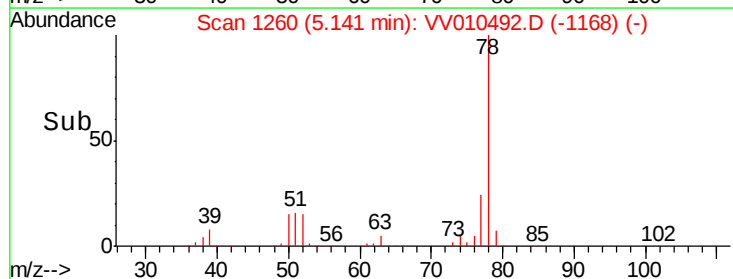
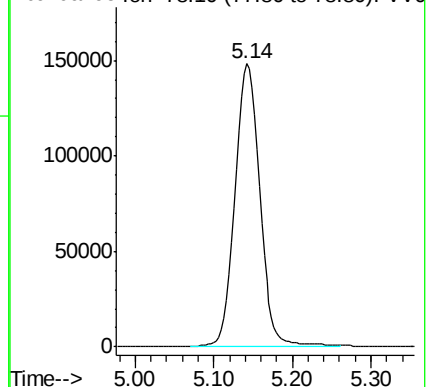
Lab File: VV010492.D

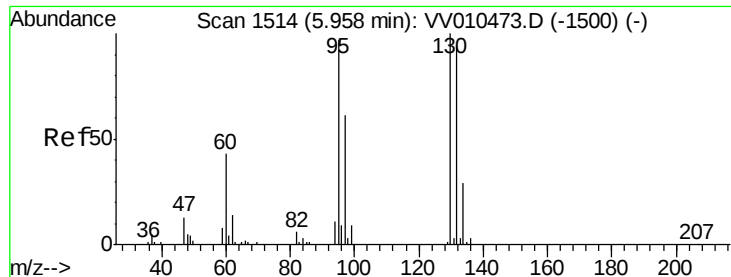
Acq: 25 Apr 2019 11:40

Tgt Ion: 78 Resp: 325523



Abundance Ion 78.10 (77.80 to 78.80): VV0

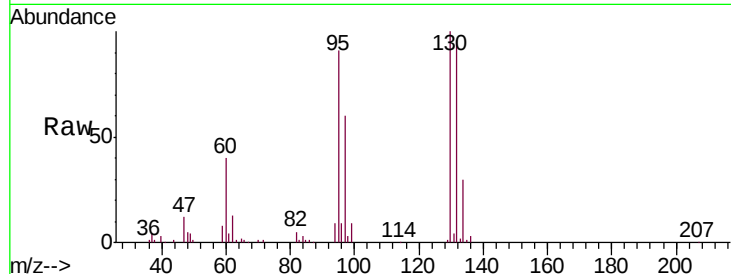




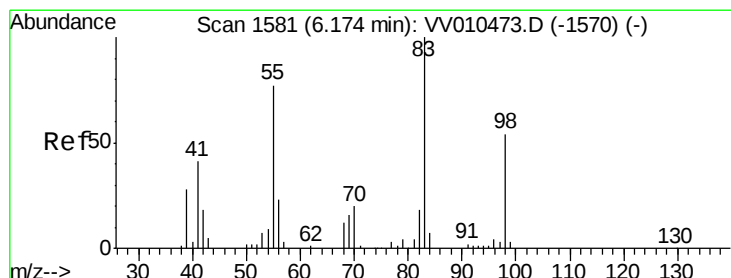
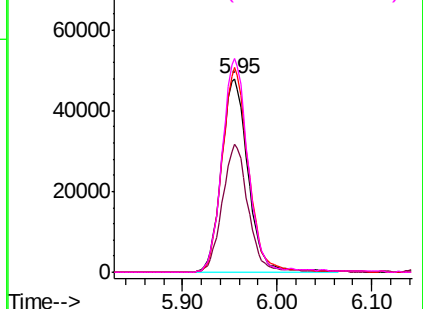
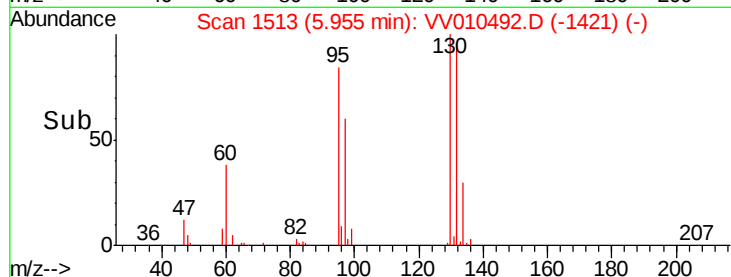
#34
 Trichloroethene
 Concen: 4.994 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 95 Resp: 94008
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.6 84.6
 132 105.8 67.8 126.0
 130 110.2 69.0 128.2

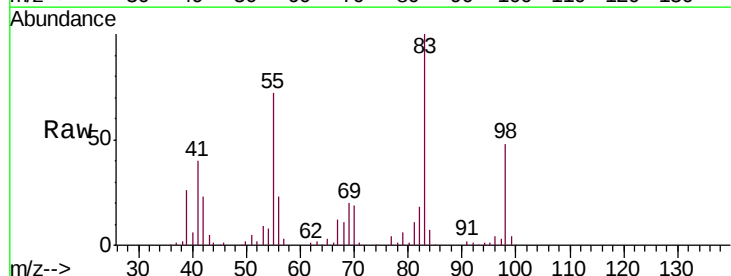


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

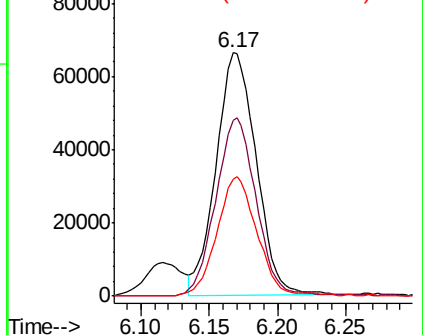
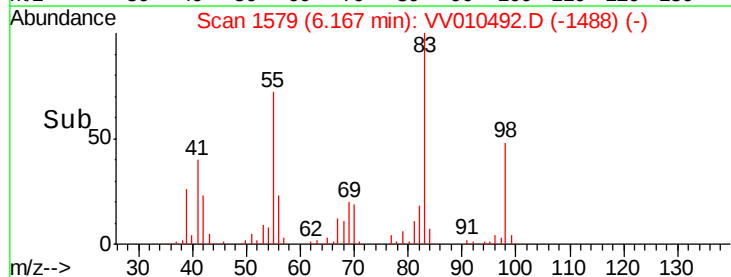


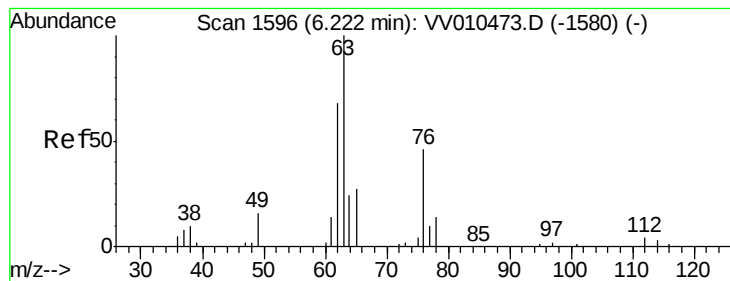
#35
 Methylcyclohexane
 Concen: 4.795 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 83 Resp: 135463
 Ion Ratio Lower Upper
 83 100
 55 73.9 57.8 86.6
 98 48.7 38.8 58.2



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: 4.815 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

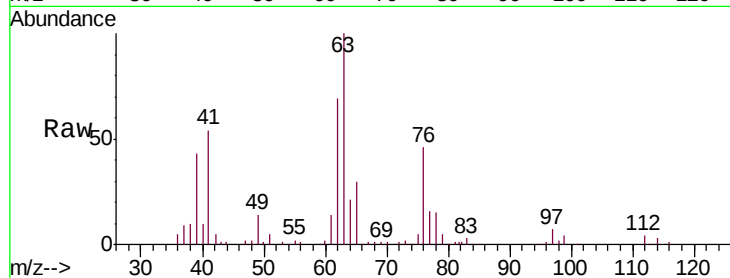
VSTD00547

Tgt Ion: 63 Resp: 76243

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.10 (62.80 to 63.80): VV010473.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV010473.D (-1580) (-)

6.22

40000

30000

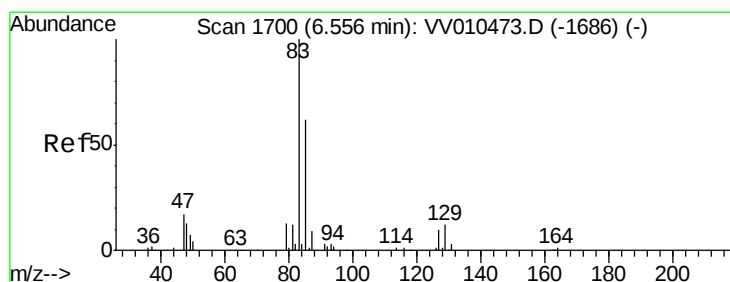
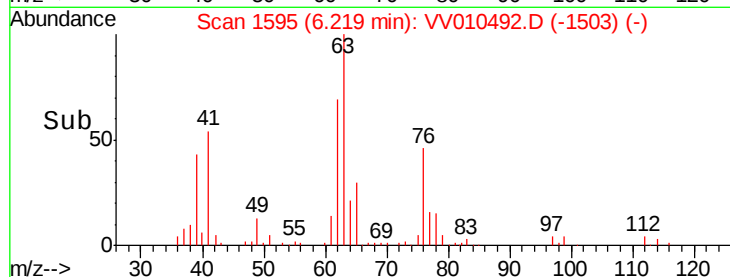
20000

10000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.910 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

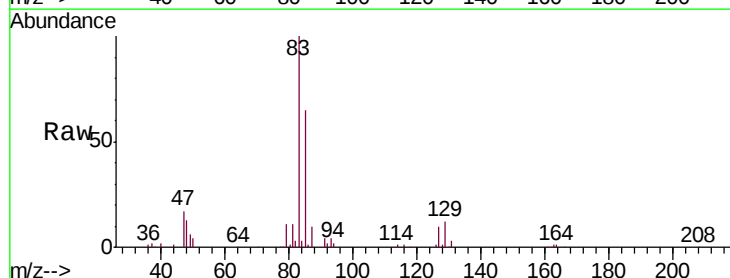
Tgt Ion: 83 Resp: 104650

Ion Ratio Lower Upper

83 100

85 65.4 46.6 86.6

127 10.1 7.8 11.8



Abundance Ion 82.95 (82.65 to 83.65): VV010473.D (-1686) (-)

Ion 85.00 (84.70 to 85.70): VV010473.D (-1686) (-)

Ion 126.90 (126.60 to 127.60): VV010473.D (-1686) (-)

6.55

60000

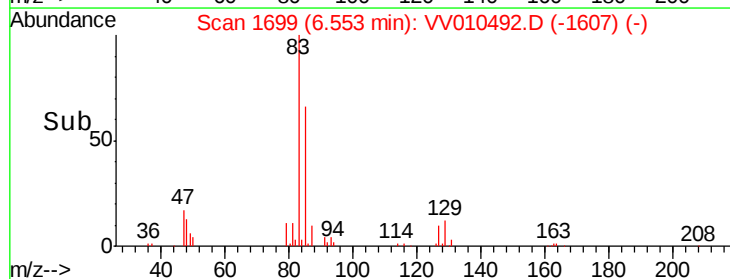
40000

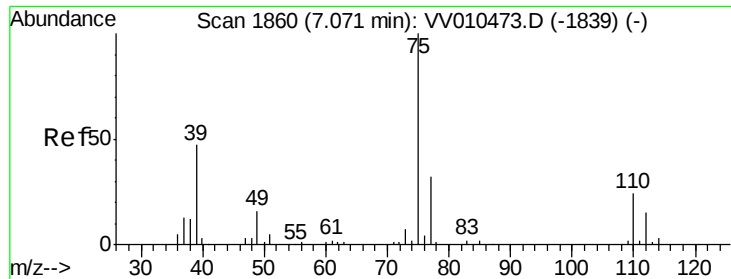
20000

0

6.45 6.50 6.55 6.60 6.65

Time-->

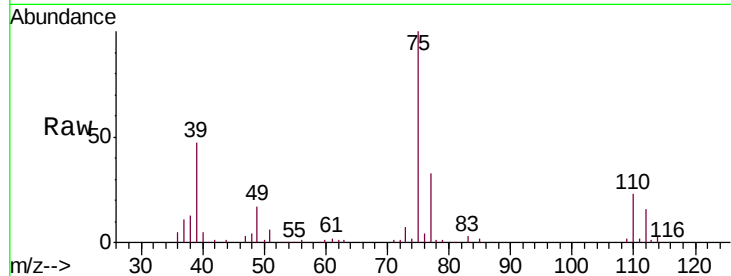




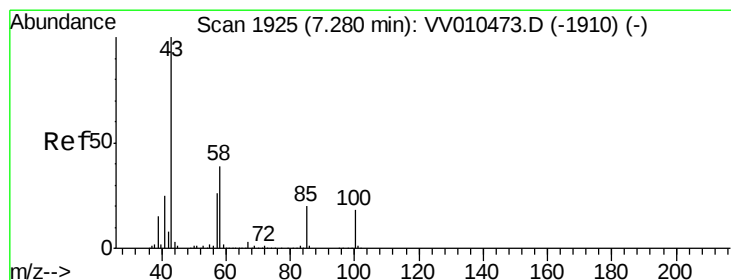
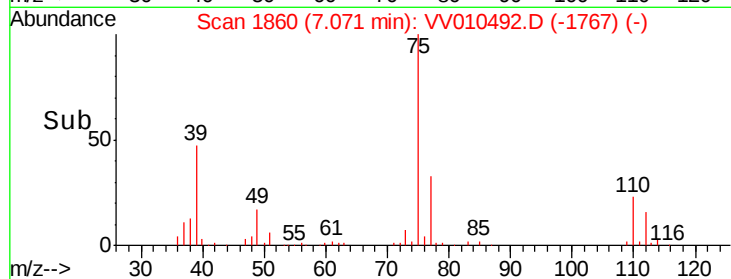
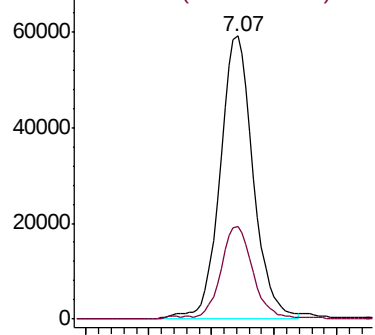
#39
 cis-1,3-Dichloropropene
 Concen: 4.612 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion: 75 Resp: 108298
 Ion Ratio Lower Upper
 75 100
 77 32.7 22.5 41.7

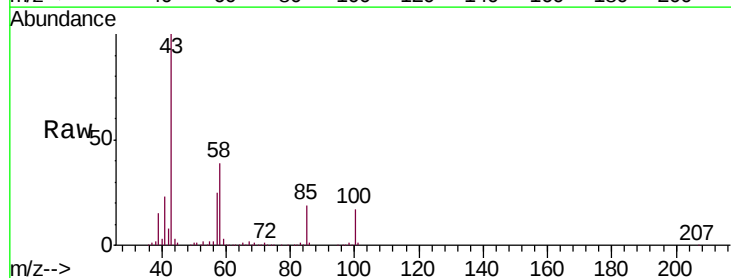


Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 77.05 (76.75 to 77.75): VV0

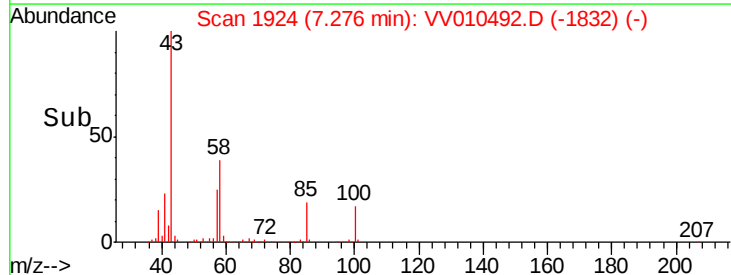
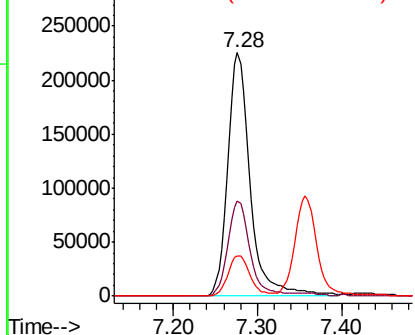


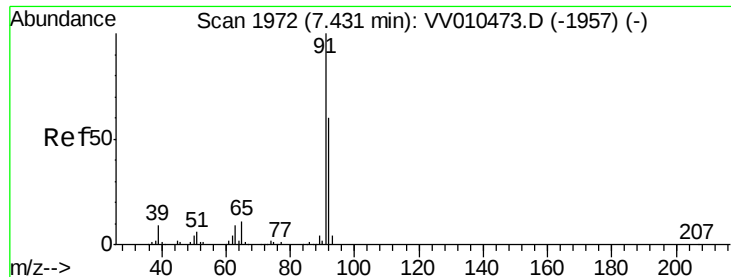
#40
 4-Methyl-2-pentanone
 Concen: 46.604 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 43 Resp: 417237
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.3 45.5
 100 16.4 13.0 19.4



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: 4.977 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

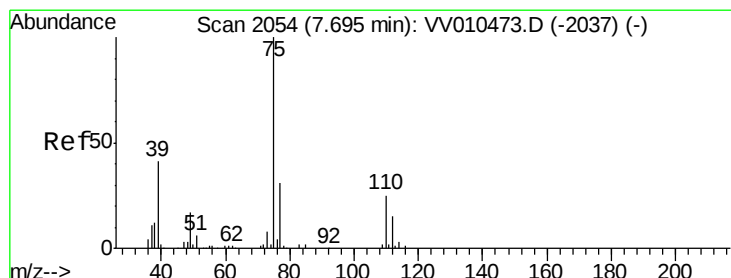
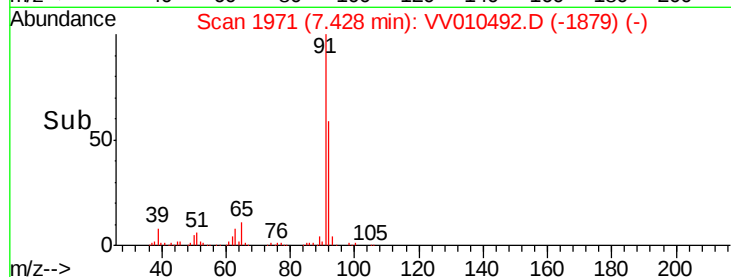
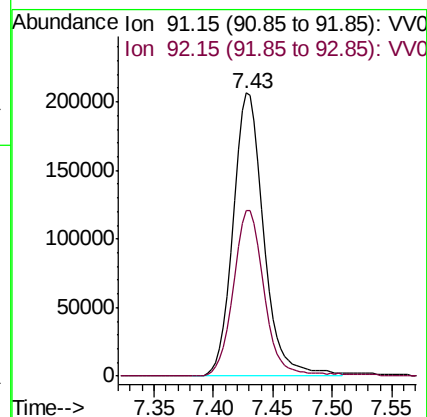
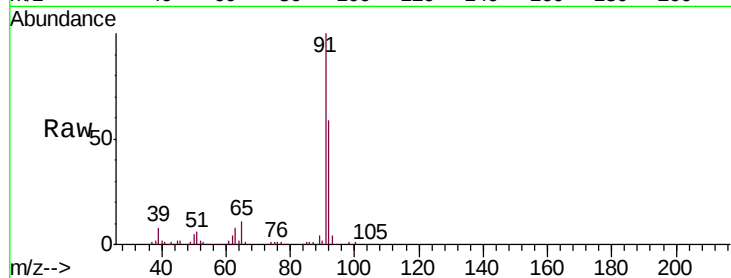
VSTD00547

Tgt Ion: 91 Resp: 369520

Ion Ratio Lower Upper

91 100

92 58.5 41.3 76.7



#44

trans-1,3-Dichloropropene

Concen: 4.786 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV010492.D

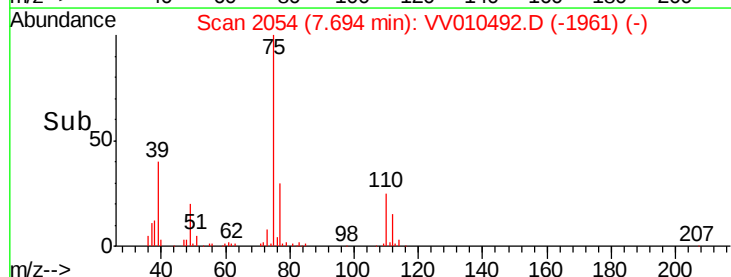
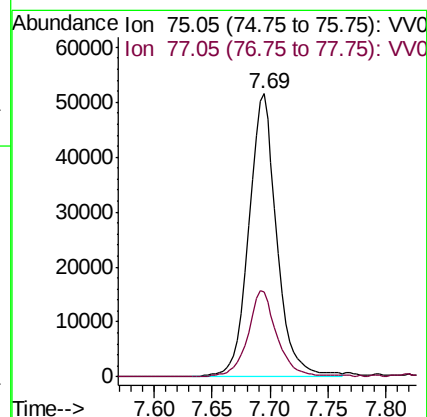
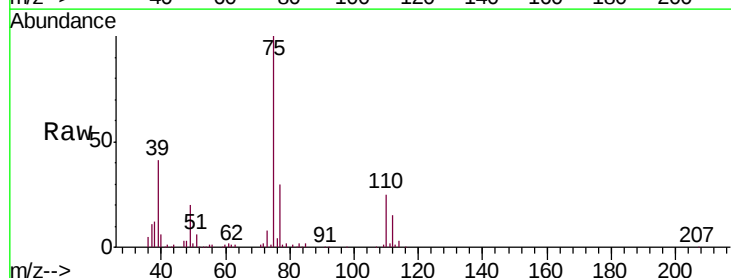
Acq: 25 Apr 2019 11:40

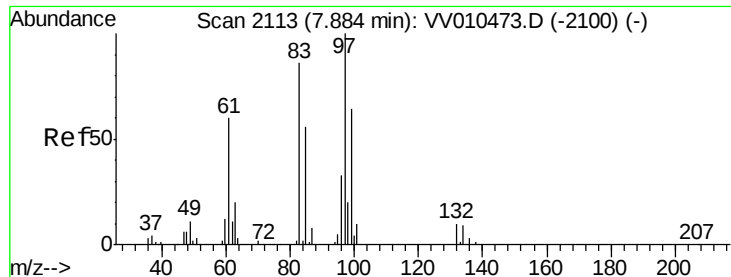
Tgt Ion: 75 Resp: 86796

Ion Ratio Lower Upper

75 100

77 30.0 22.1 41.1

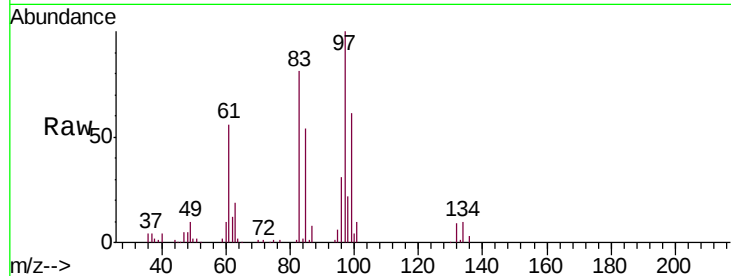




#45
 1,1,2-Trichloroethane
 Concen: 5.064 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00547

Tgt Ion:	97	Resp:	58729
Ion	Ratio	Lower	Upper
97	100		
99	60.9	45.1	83.7
83	80.5	61.7	114.7
85	53.5	41.2	76.4



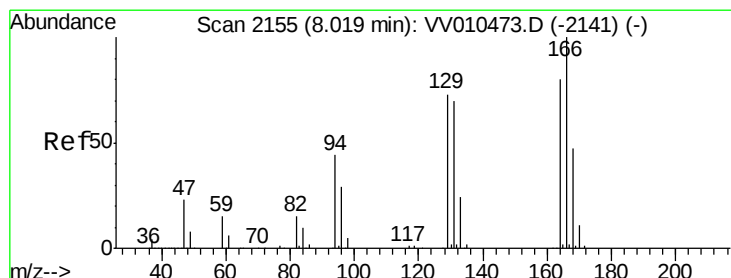
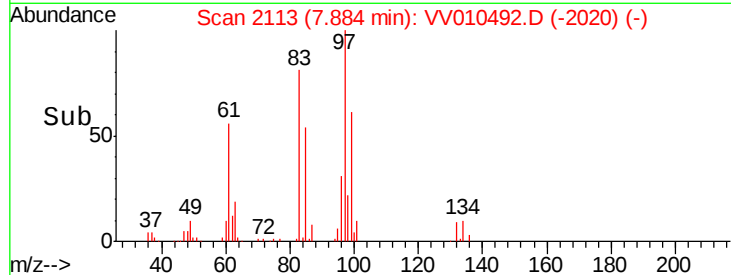
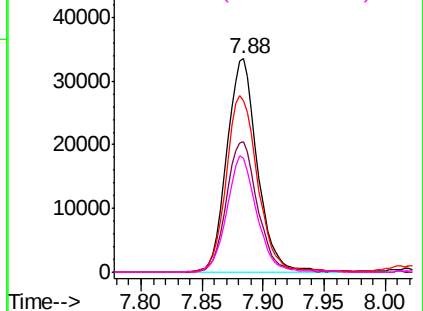
Abundance

Ion 96.95 (96.65 to 97.65): VV010492.D (-2020) (-)

Ion 99.05 (98.75 to 99.75): VV010492.D (-2020) (-)

Ion 82.95 (82.65 to 83.65): VV010492.D (-2020) (-)

Ion 85.00 (84.70 to 85.70): VV010492.D (-2020) (-)



#47
 Tetrachloroethene
 Concen: 5.123 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion:	164	Resp:	86115
Ion	Ratio	Lower	Upper
164	100		
129	94.7	69.7	129.4
131	88.8	63.8	118.6
166	130.7	87.4	162.2

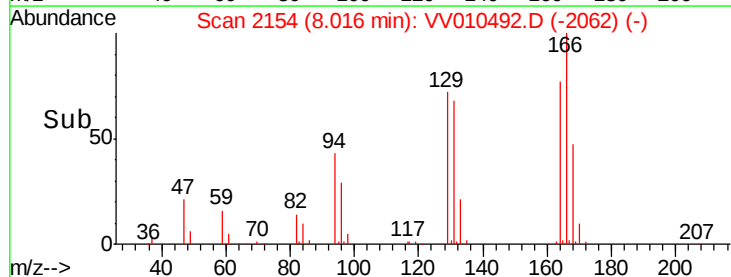
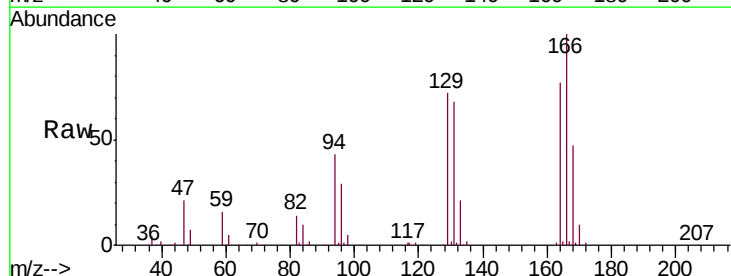
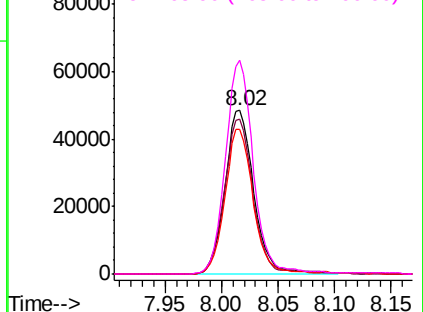
Abundance

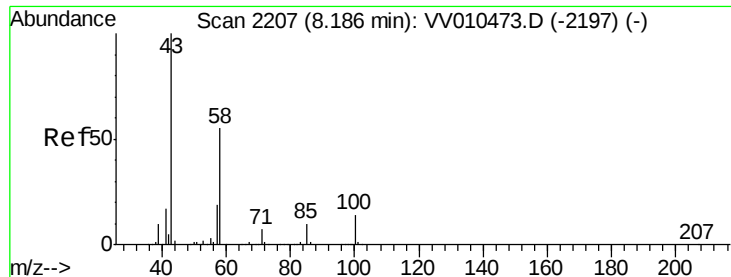
Ion 163.90 (163.60 to 164.60): VV010492.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV010492.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV010492.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV010492.D (-2062) (-)

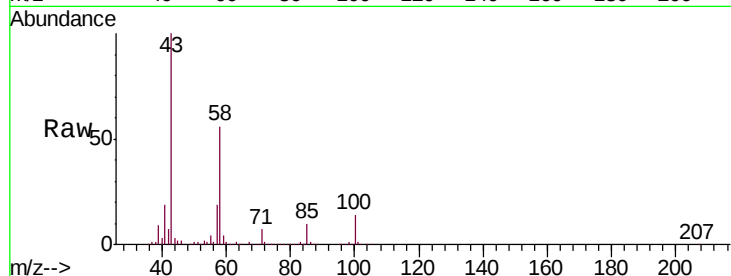




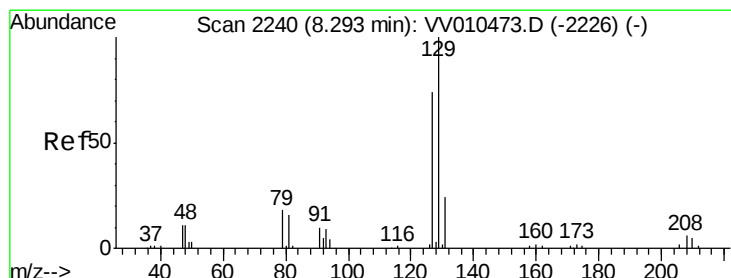
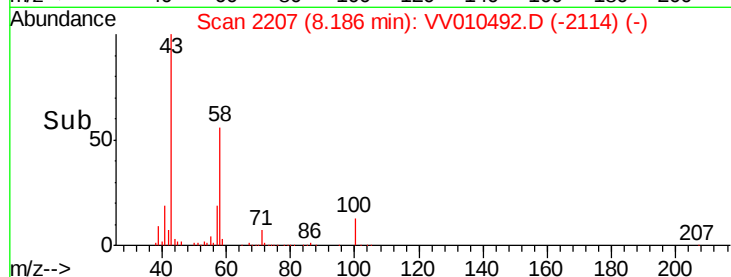
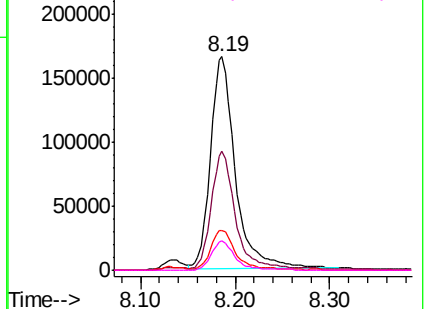
#48
2-Hexanone
Concen: 48.560 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion:	43	Resp:	302406
Ion	Ratio	Lower	Upper
43	100		
58	52.8	42.2	63.4
57	18.2	15.3	22.9
100	13.3	9.6	14.4

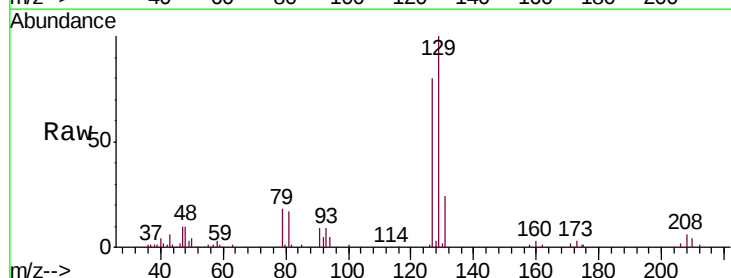


Abundance Ion 43.05 (42.75 to 43.75): VV010492.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV010492.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV010492.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV010492.D (-2197) (-)

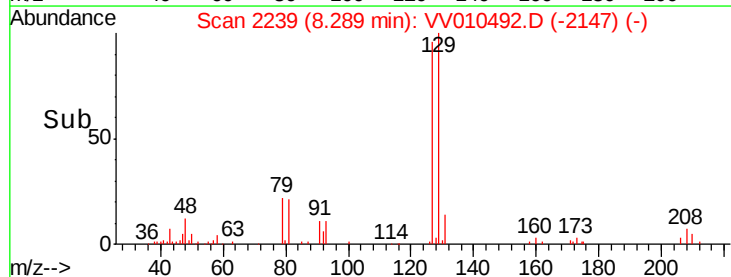
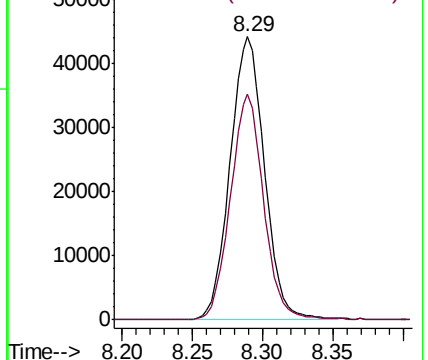


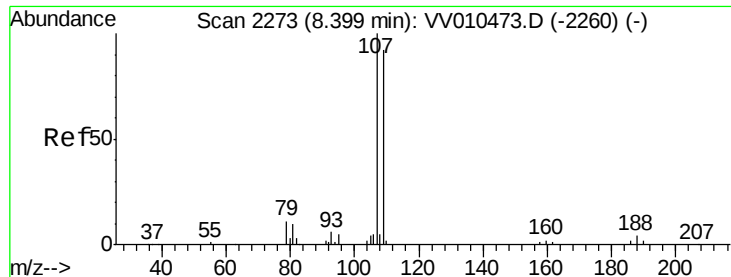
#49
Dibromochloromethane
Concen: 5.036 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Tgt Ion:	129	Resp:	75451
Ion	Ratio	Lower	Upper
129	100		
127	79.8	56.1	104.1



Abundance Ion 128.95 (128.65 to 129.65): VV010492.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV010492.D (-2147) (-)

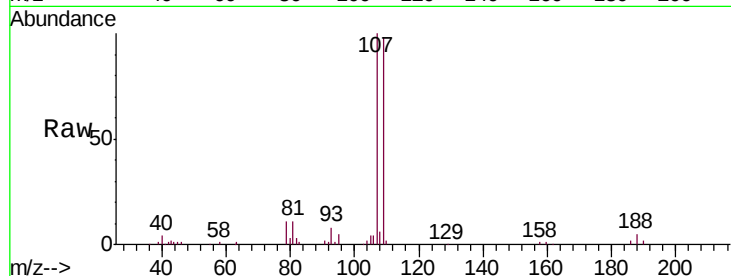




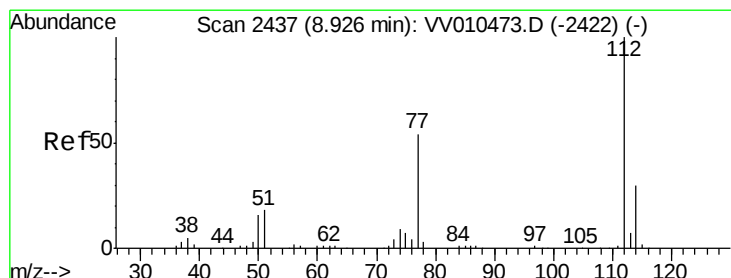
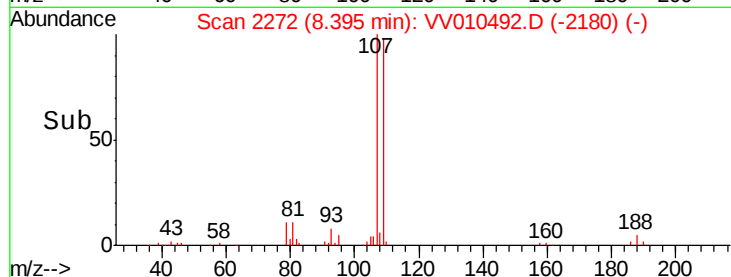
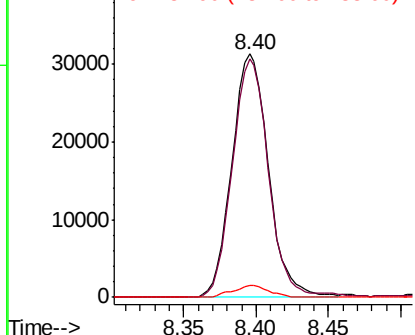
#50
1,2-Dibromoethane
Concen: 4.901 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00547

Tgt Ion:107 Resp: 55108
Ion Ratio Lower Upper
107 100
109 97.9 66.1 122.8
188 4.8 3.4 5.0

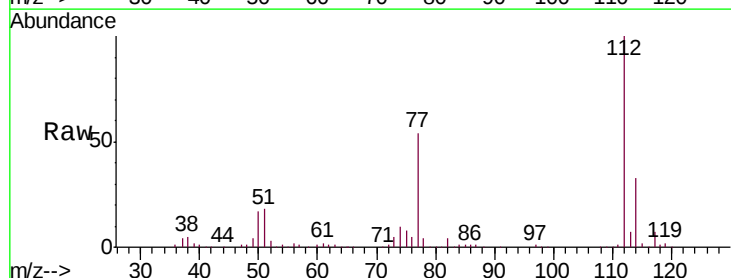


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

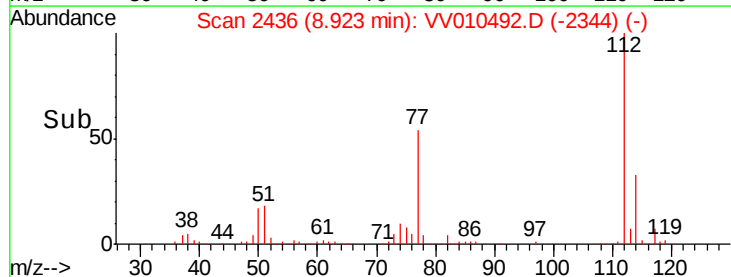
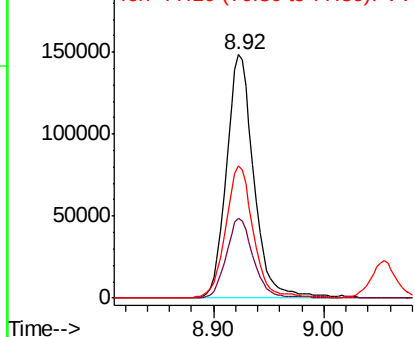


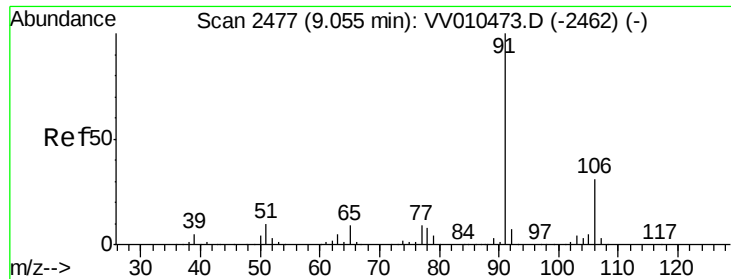
#51
Chlorobenzene
Concen: 5.064 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV010492.D
Acq: 25 Apr 2019 11:40

Tgt Ion:112 Resp: 255387
Ion Ratio Lower Upper
112 100
114 32.7 23.0 42.6
77 54.3 46.8 70.2



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: 5.034 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

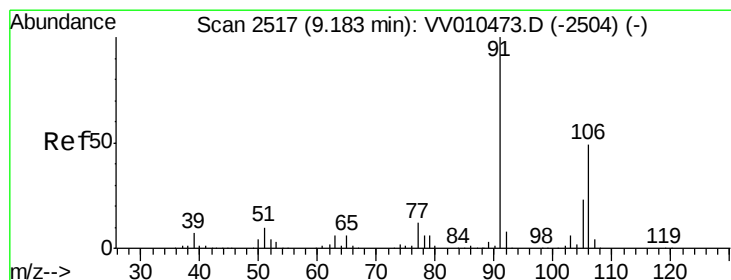
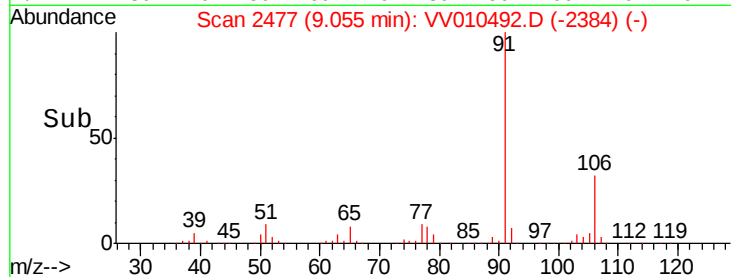
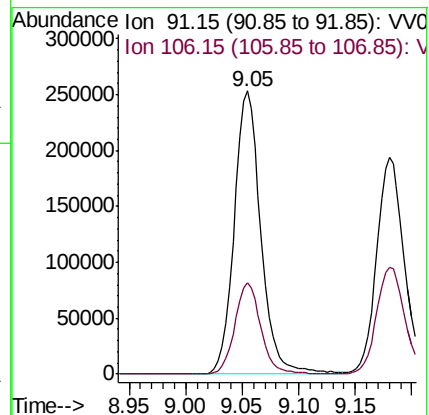
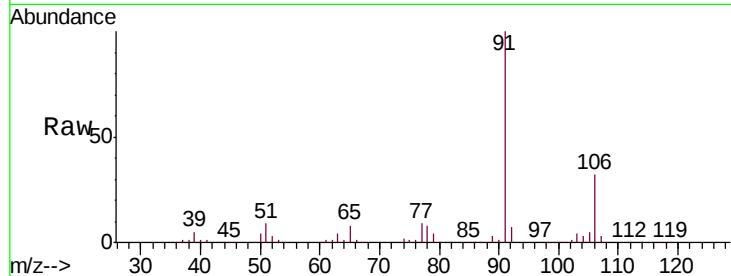
VSTD00547

Tgt Ion: 91 Resp: 415307

Ion Ratio Lower Upper

91 100

106 32.2 22.4 41.6



#53

m,p-xylene

Concen: 5.127 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010492.D

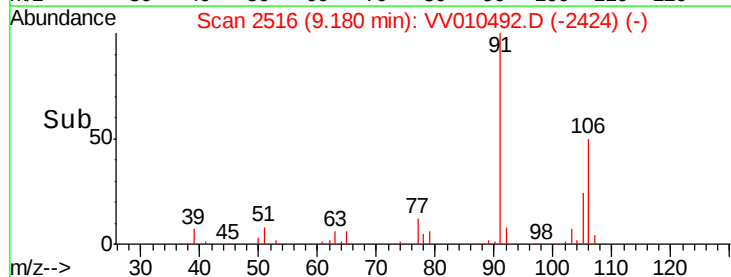
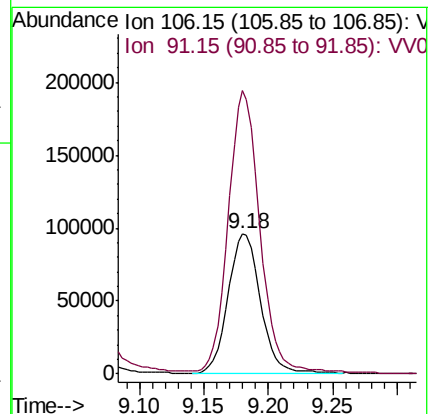
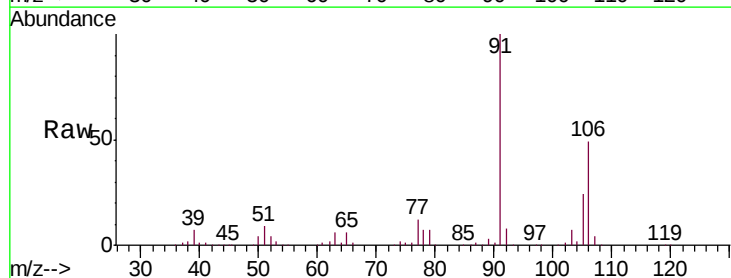
Acq: 25 Apr 2019 11:40

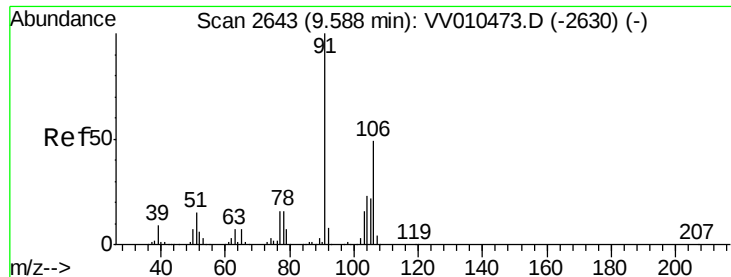
Tgt Ion: 106 Resp: 166299

Ion Ratio Lower Upper

106 100

91 202.2 142.9 265.3





#54

o-xylene

Concen: 4.916 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

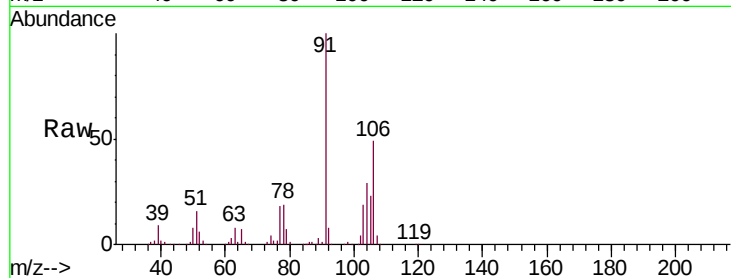
VSTD00547

Tgt Ion:106 Resp: 156444

Ion Ratio Lower Upper

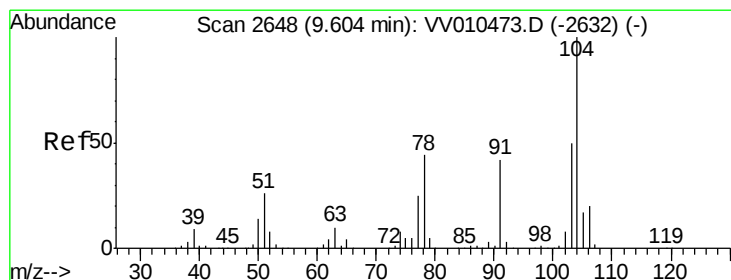
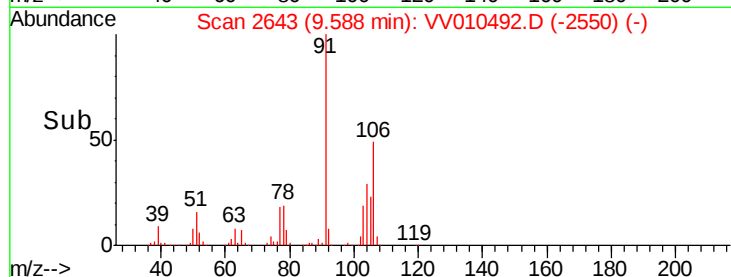
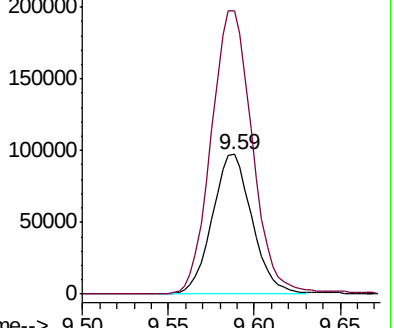
106 100

91 203.0 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.269 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV010492.D

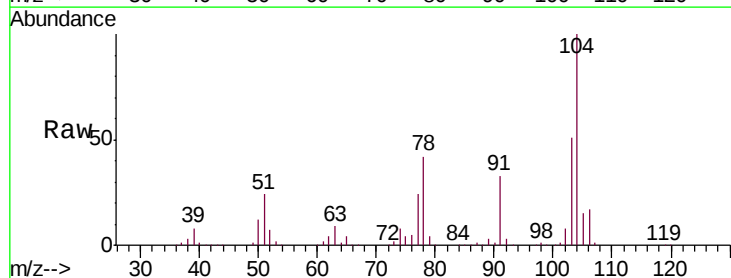
Acq: 25 Apr 2019 11:40

Tgt Ion:104 Resp: 272020

Ion Ratio Lower Upper

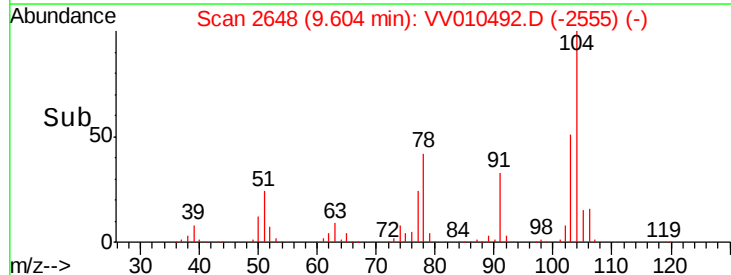
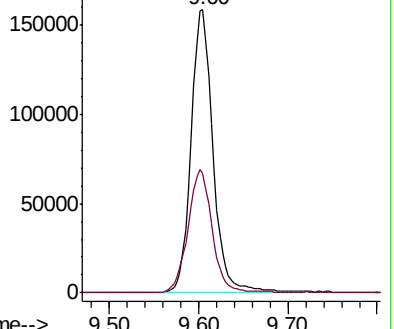
104 100

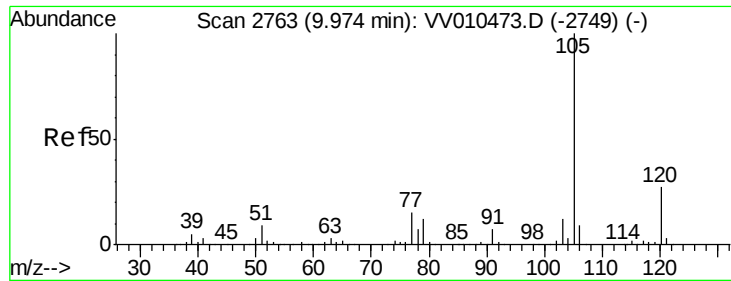
78 42.2 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.110 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

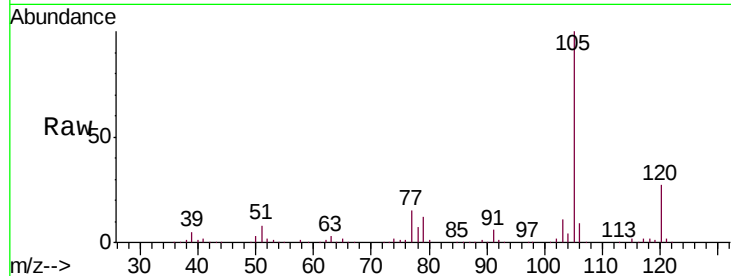
Tgt Ion: 105 Resp: 433148

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

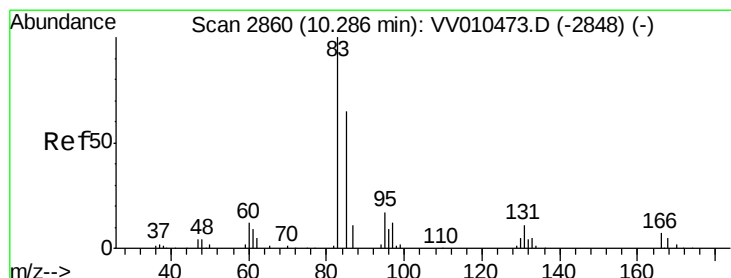
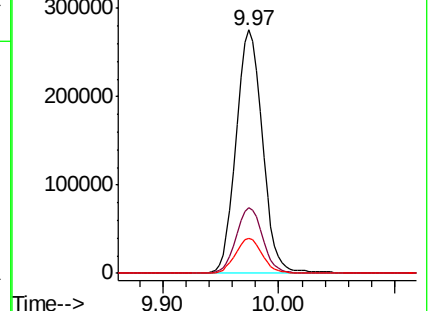
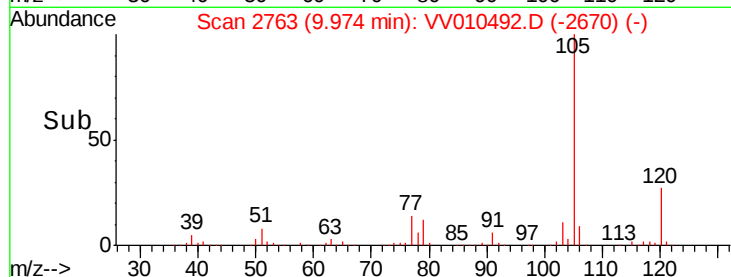
77 14.8 11.9 17.9



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: 5.002 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

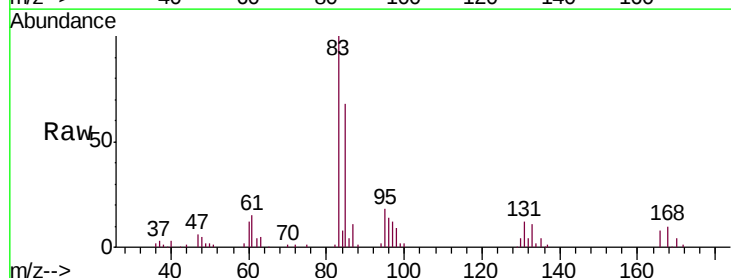
Tgt Ion: 83 Resp: 66725

Ion Ratio Lower Upper

83 100

85 68.2 46.9 87.1

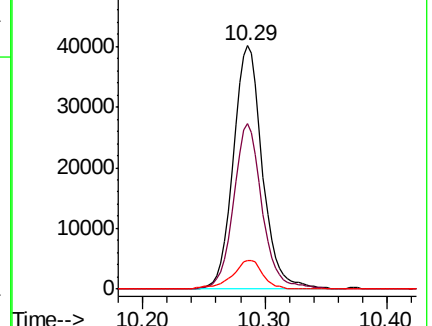
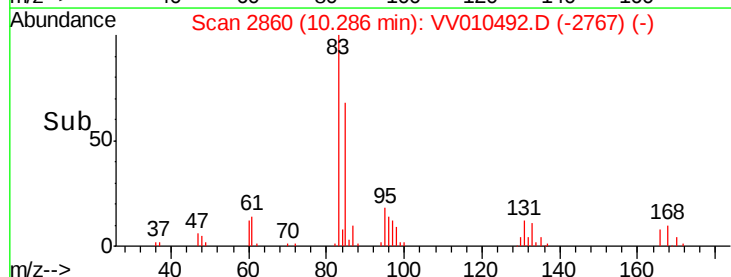
131 11.7 10.3 15.5

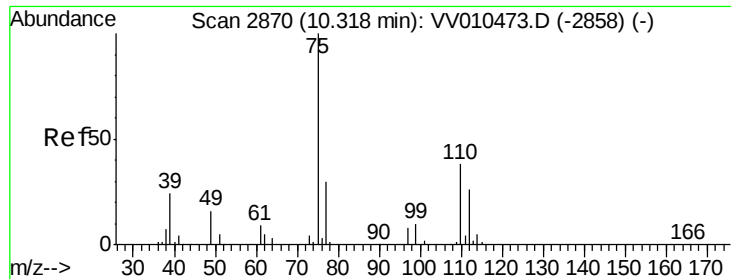


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.919 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

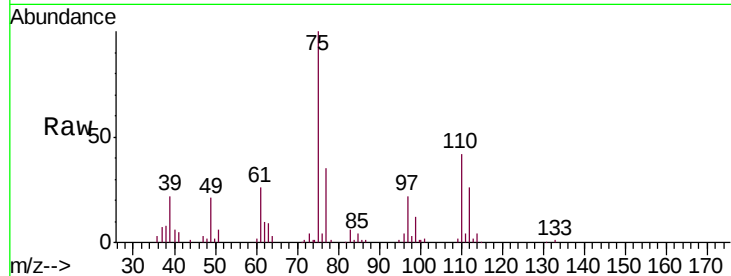
VSTD00547

Tgt Ion: 75 Resp: 48176

Ion Ratio Lower Upper

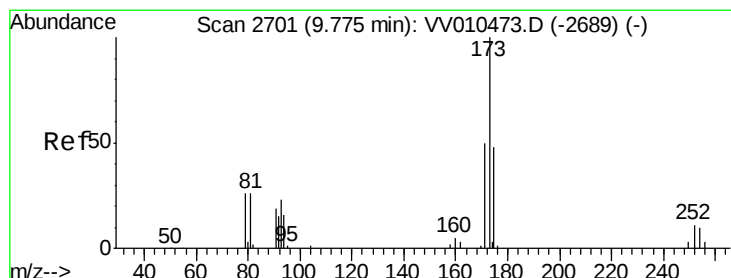
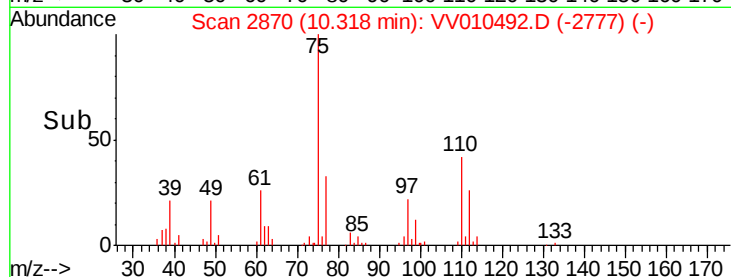
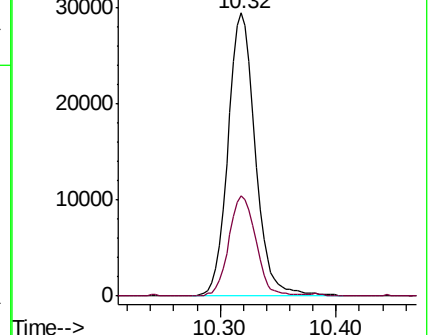
75 100

77 35.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV010473.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010473.D (-2858) (-)



#61

Bromoform

Concen: 4.915 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

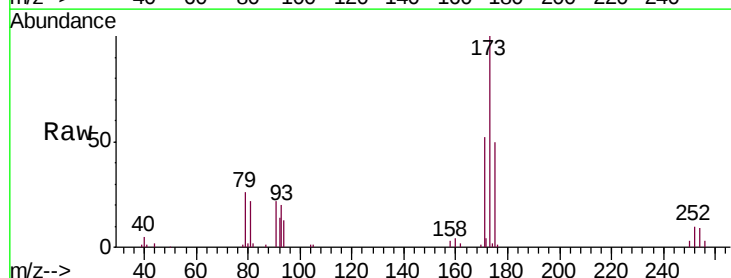
Tgt Ion: 173 Resp: 39571

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

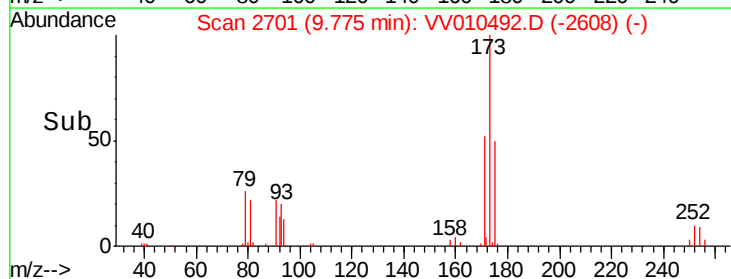
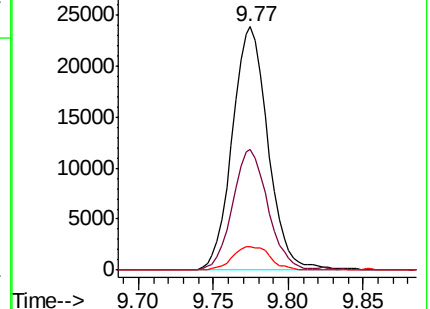
254 10.1 8.1 12.1

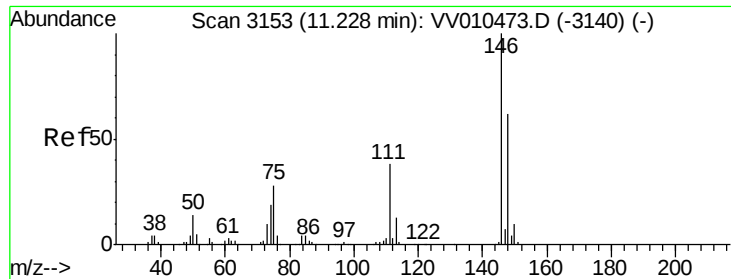


Abundance Ion 172.90 (172.60 to 173.60): VV010473.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV010473.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV010473.D (-2689) (-)





#62

1,3-Dichlorobenzene

Concen: 4.995 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

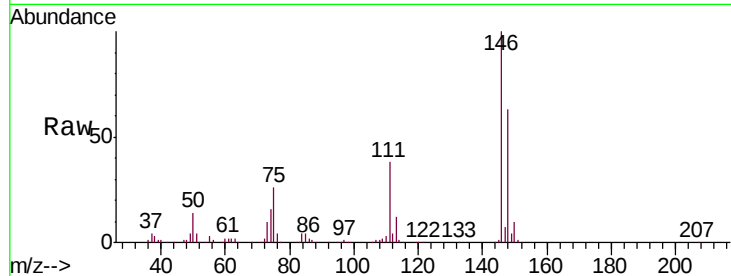
Tgt Ion:146 Resp: 211358

Ion Ratio Lower Upper

146 100

111 38.4 26.3 48.9

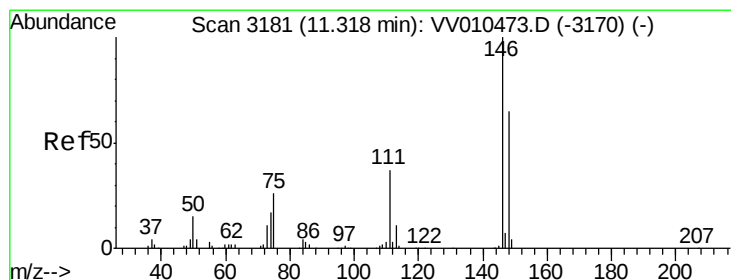
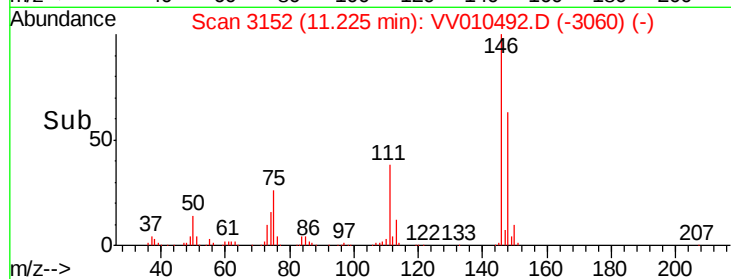
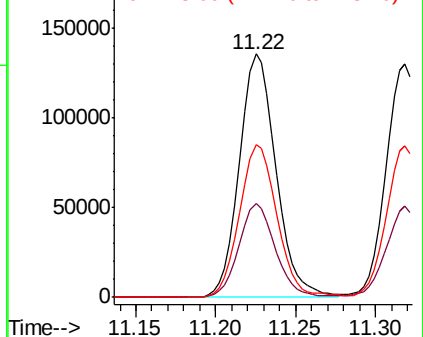
148 62.6 43.3 80.3



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: 5.088 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

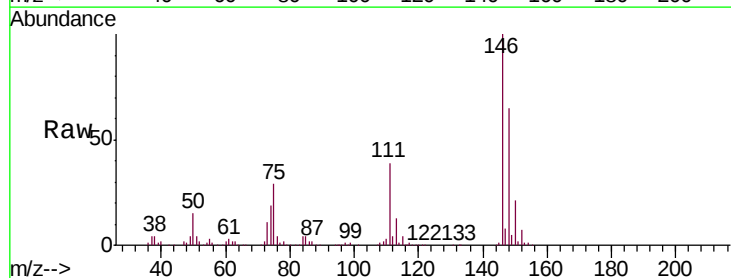
Tgt Ion:146 Resp: 216796

Ion Ratio Lower Upper

146 100

111 39.1 26.6 49.4

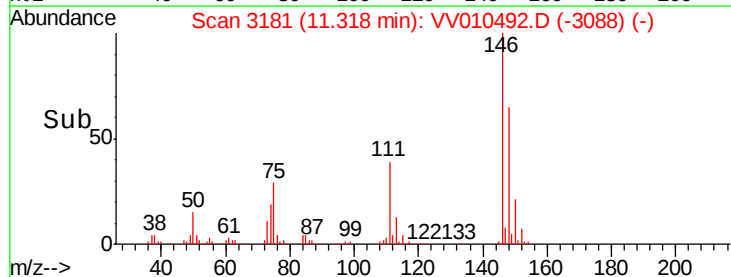
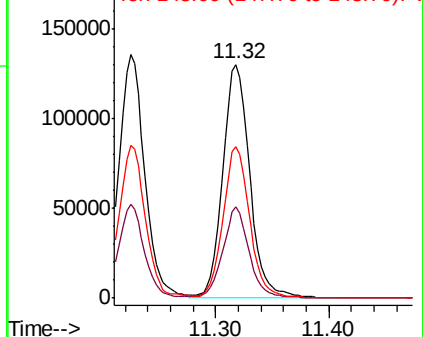
148 65.1 44.5 82.7

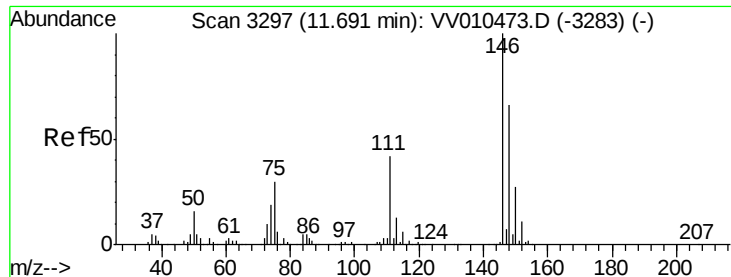


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

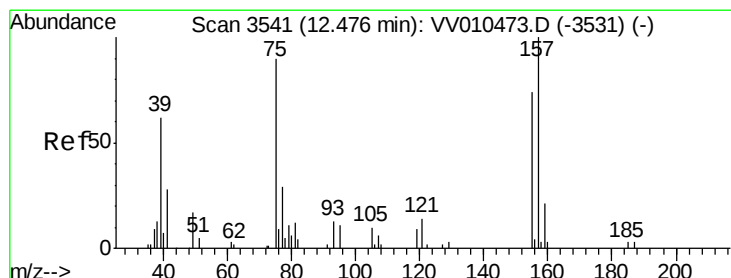
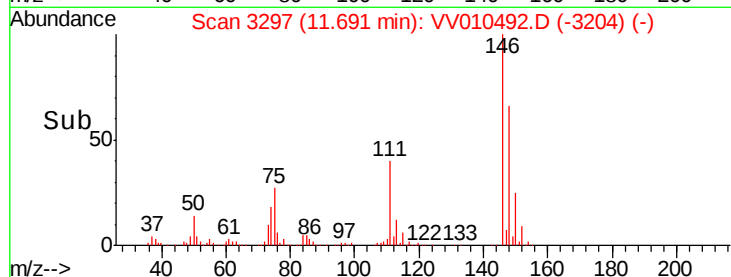
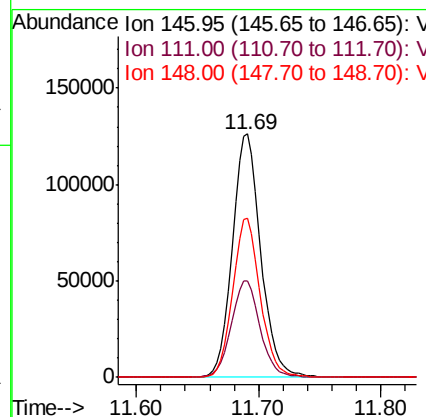
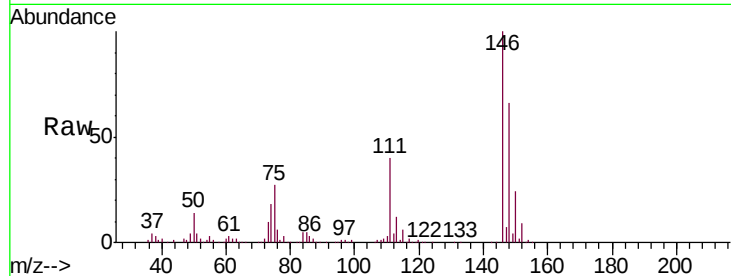




#65
 1,2-Dichlorobenzene
 Concen: 5.114 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

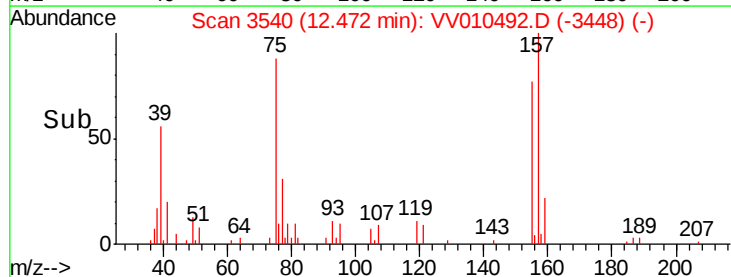
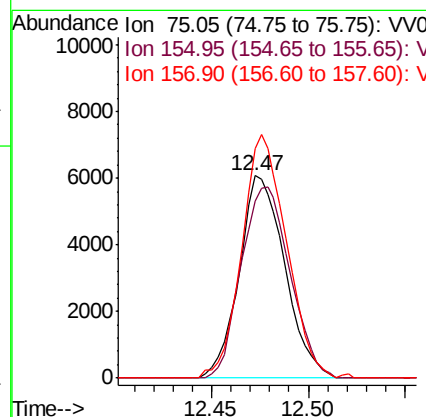
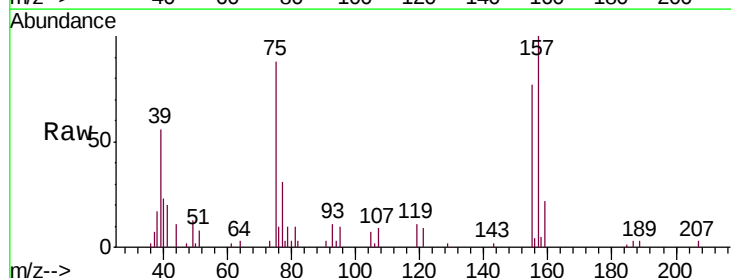
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

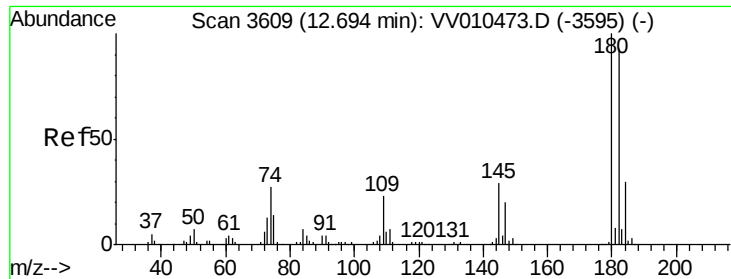
Tgt Ion: 146 Resp: 205247
 Ion Ratio Lower Upper
 146 100
 111 39.8 31.6 47.4
 148 65.6 50.2 75.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.568 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion: 75 Resp: 9930
 Ion Ratio Lower Upper
 75 100
 155 87.7 80.3 120.5
 157 113.5 96.7 145.1

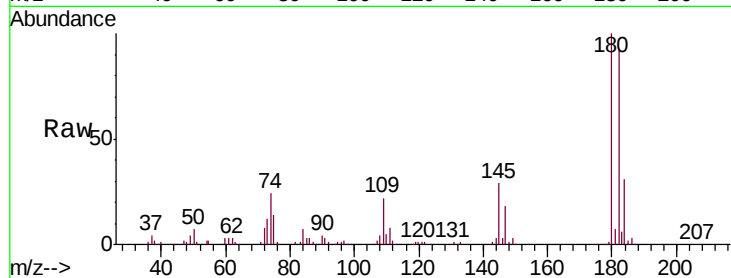




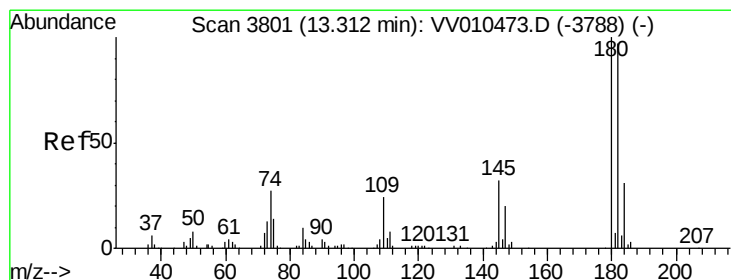
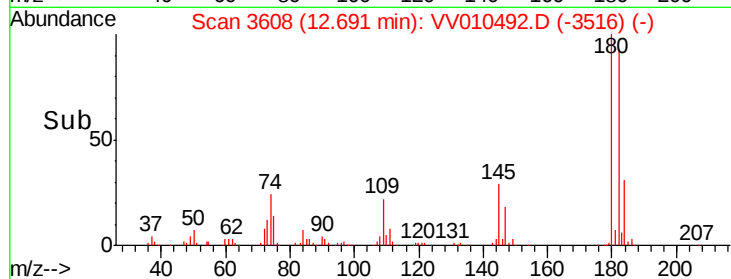
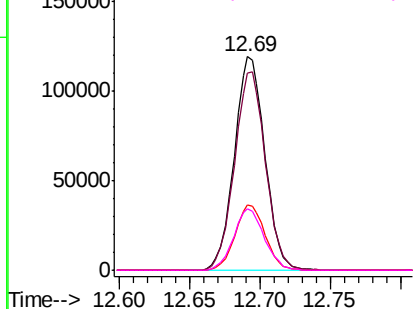
#67
 1,3,5-Trichlorobenzene
 Concen: 5.228 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00547

Tgt Ion:	180	Resp:	181169
Ion	Ratio	Lower	Upper
180	100		
182	94.0	74.8	112.2
184	30.1	24.0	36.0
145	28.8	23.7	35.5

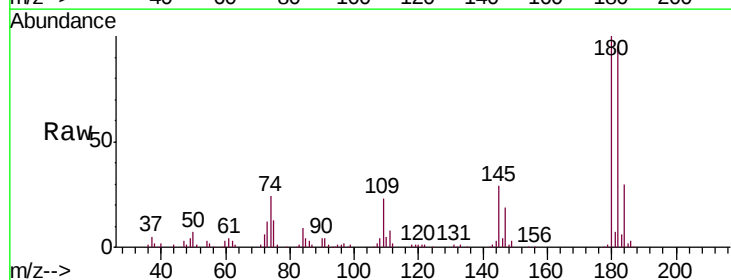


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

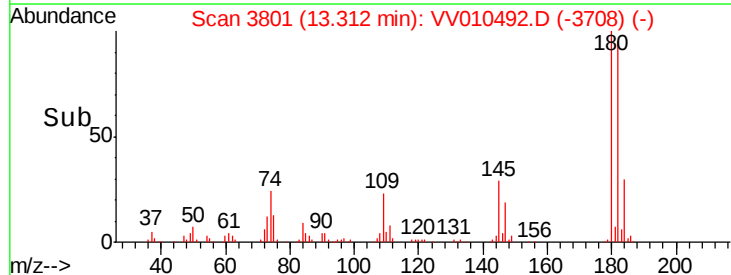
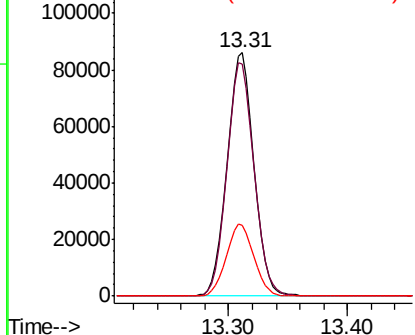


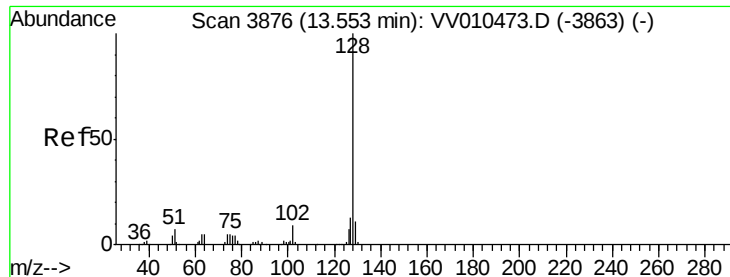
#68
 1,2,4-trichlorobenzene
 Concen: 5.111 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV010492.D
 Acq: 25 Apr 2019 11:40

Tgt Ion:	180	Resp:	134005
Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.3	114.5
145	30.3	24.5	36.7



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: 4.477 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00547

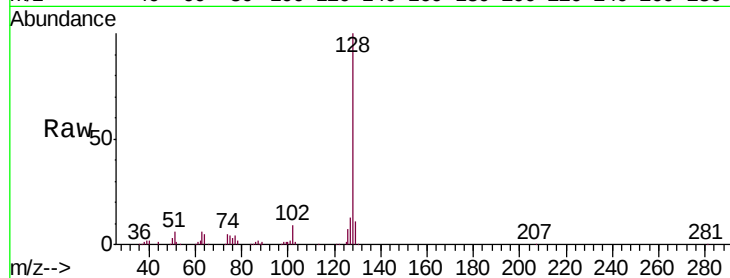
Tgt Ion:128 Resp: 174153

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

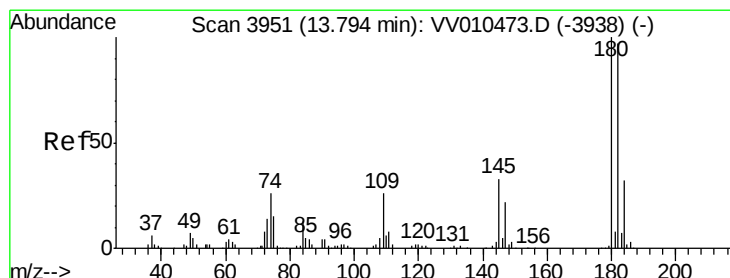
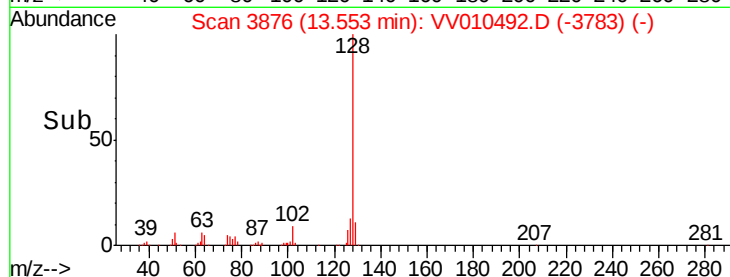
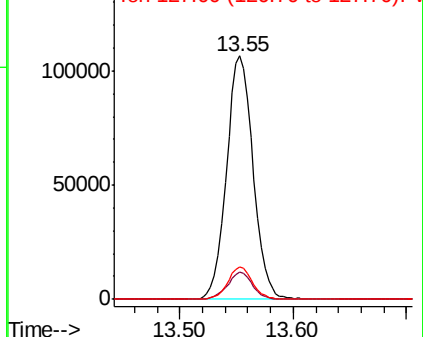
127 12.4 10.3 15.5



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: 5.089 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV010492.D

Acq: 25 Apr 2019 11:40

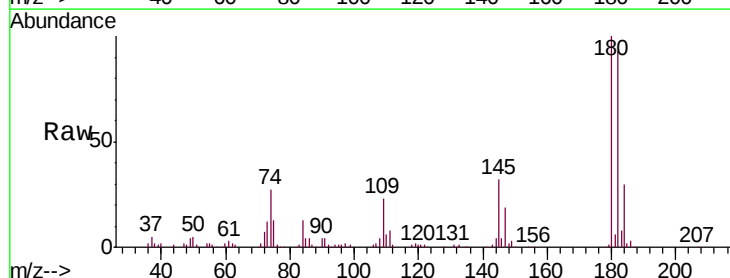
Tgt Ion:180 Resp: 126485

Ion Ratio Lower Upper

180 100

182 93.9 76.9 115.3

145 32.1 25.4 38.0



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

