

Data File : VV011365.D
Acq On : 10 Jun 2019 23:11
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jun 11 01:38:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	140565	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131332	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57894	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44495	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.55	69	39975	4.51	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.12	63	99151	4.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.20%
20) 2-Butanone-d5	3.94	46	139489	58.17	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.34%
24) Chloroform-d	4.40	84	100124	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
26) 1,2-Dichloroethane-d4	5.08	65	54088	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.80%
32) Benzene-d6	5.09	84	190004	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.11	67	59772	4.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.80%
41) Toluene-d8	7.36	98	172364	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.66	79	19436	4.21	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.20%
46) 2-Hexanone-d5	8.13	63	109870	56.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45537	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	60758	5.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	61815	4.459 ug/L	99
3) Chloromethane	1.25	50	64164	4.787 ug/L	98
5) Vinyl chloride	1.32	62	66049	5.107 ug/L	95
6) Bromomethane	1.51	94	25505	3.791 ug/L	99
8) Chloroethane	1.57	64	40547	4.906 ug/L	98
9) Trichlorofluoromethane	1.75	101	85374	4.809 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44717	4.907 ug/L	98
12) 1,1-Dichloroethene	2.13	96	43748	4.940 ug/L	99
13) Acetone	2.19	43	90931	56.557 ug/L	98
14) Carbon disulfide	2.31	76	114972	4.280 ug/L	99
15) Methyl Acetate	2.46	43	23021	5.391 ug/L	98
16) Methylene chloride	2.53	84	48279	5.291 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	121758	5.150 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	46504	4.690 ug/L	94
19) 1,1-Dichloroethane	3.22	63	95660	4.891 ug/L	99
21) 2-Butanone	4.03	43	138818	56.066 ug/L	95
22) cis-1,2-Dichloroethene	3.95	96	51827	4.720 ug/L	99

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Quant Time: Jun 11 01:38:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 11 01:32:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	19978	4.746	ug/L	84
25) Chloroform	4.42	83	97852	4.844	ug/L	97
27) 1,2-Dichloroethane	5.18	62	64686	5.240	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	76714	4.580	ug/L	98
30) Cyclohexane	4.71	56	77910	4.195	ug/L	97
31) Carbon tetrachloride	4.87	117	61713	4.408	ug/L	98
33) Benzene	5.14	78	197202	4.719	ug/L	100
34) Trichloroethene	5.96	95	51849	4.803	ug/L	100
35) Methylcyclohexane	6.17	83	75365	4.221	ug/L	99
37) 1,2-Dichloropropane	6.22	63	49090	4.720	ug/L	100
38) Bromodichloromethane	6.55	83	59785	4.649	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	67834	4.458	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	352671	53.245	ug/L	98
42) Toluene	7.43	91	217613	4.886	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	49943	4.317	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	33976	5.103	ug/L	96
47) Tetrachloroethene	8.02	164	35169	4.508	ug/L	99
48) 2-Hexanone	8.18	43	245997	53.253	ug/L	98
49) Dibromochloromethane	8.29	129	34668	4.584	ug/L	96
50) 1,2-Dibromoethane	8.40	107	30540	4.826	ug/L #	93
51) Chlorobenzene	8.92	112	134209	4.941	ug/L	99
52) Ethylbenzene	9.05	91	236413	4.779	ug/L	98
53) m,p-xylene	9.18	106	84582	4.624	ug/L	98
54) o-xylene	9.59	106	87822	4.892	ug/L	98
55) Styrene	9.60	104	141949	4.855	ug/L	97
56) Isopropylbenzene	9.97	105	223074	4.617	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	42875	5.312	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	31132	5.132	ug/L	99
61) Bromoform	9.77	173	15083	4.337	ug/L	96
62) 1,3-Dichlorobenzene	11.22	146	93951	4.908	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	92607	4.983	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	92142	5.207	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	5741	4.528	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.69	180	64103	4.654	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	49581	4.742	ug/L	97
69) Naphthalene	13.55	128	86433	5.050	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	46860	4.998	ug/L	98

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

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ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

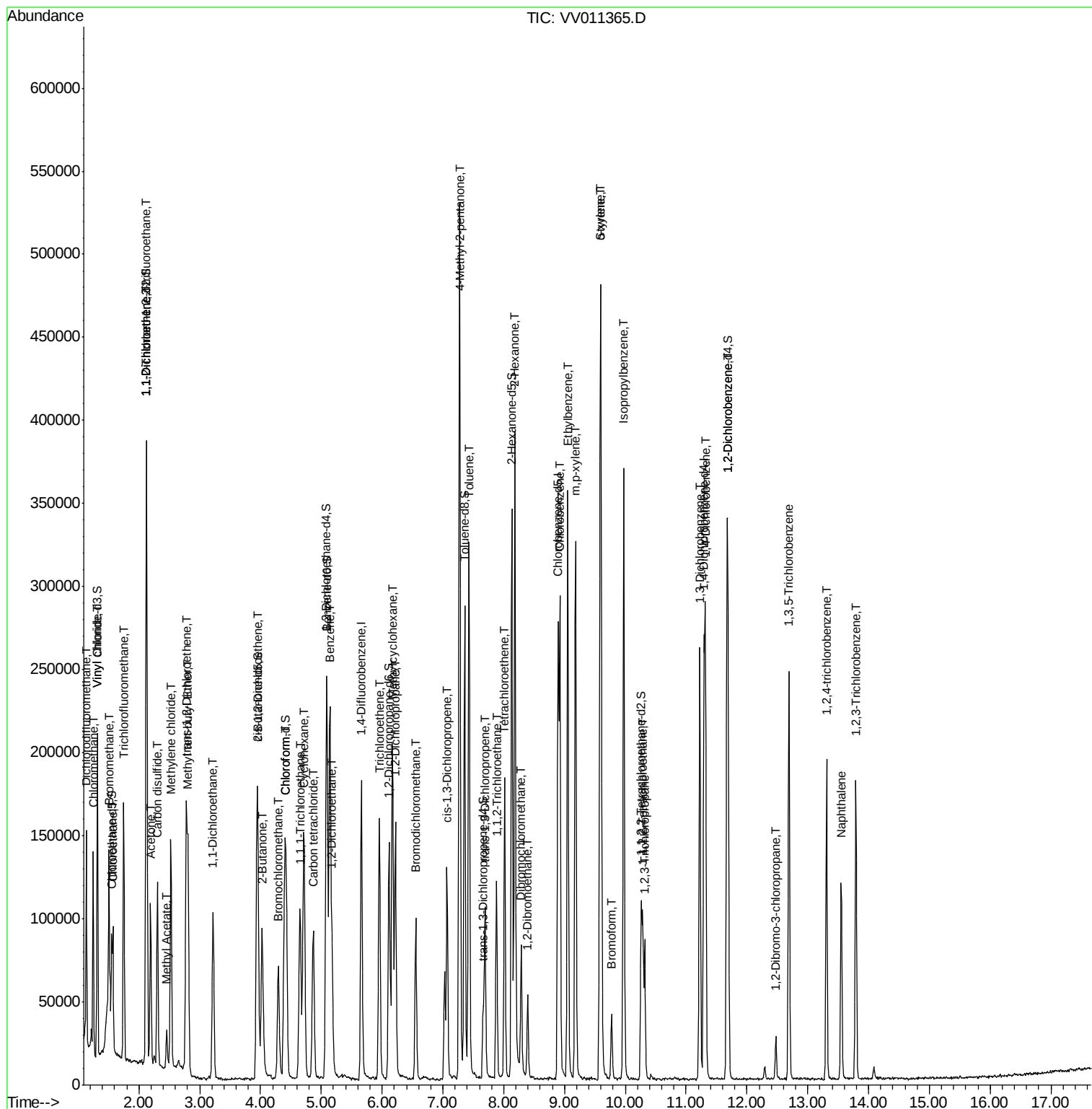
Quant Time: Jun 11 01:38:14 2019

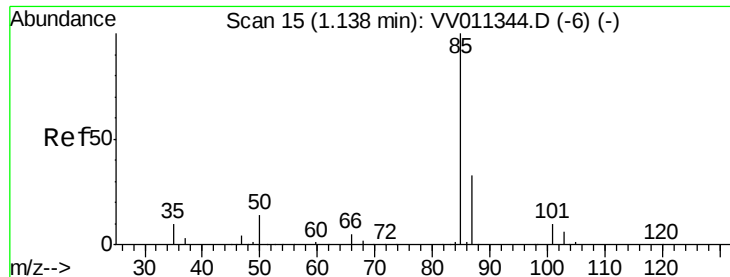
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR060419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Jun 11 01:32:35 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.459 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

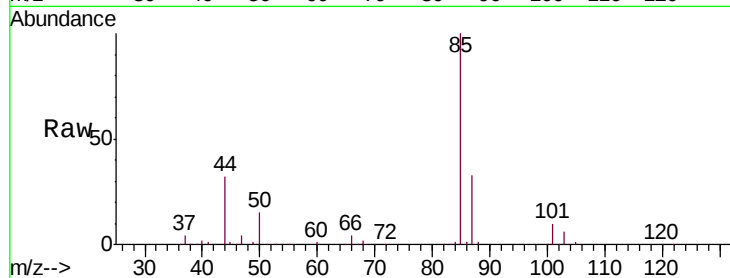
VSTD00544

Tgt Ion: 85 Resp: 61815

Ion Ratio Lower Upper

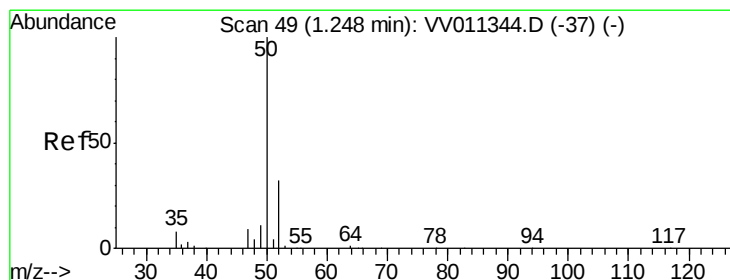
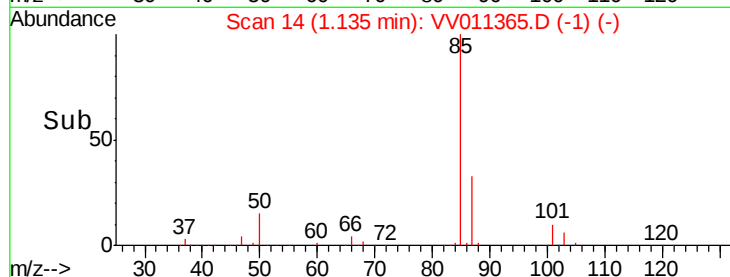
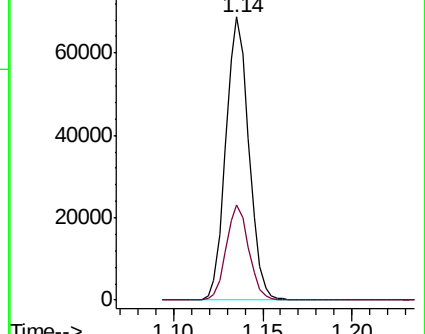
85 100

87 32.8 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011344.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV011365.D (-1) (-)



#3

Chloromethane

Concen: 4.787 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011365.D

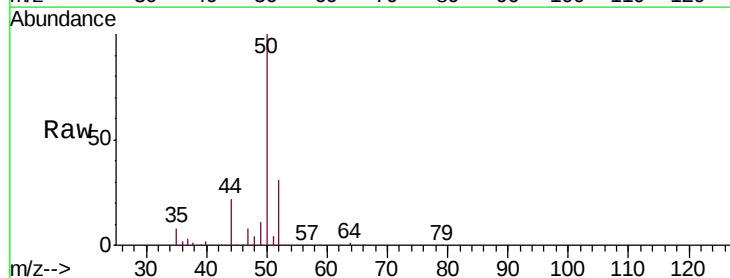
Acq: 10 Jun 2019 23:11

Tgt Ion: 50 Resp: 64164

Ion Ratio Lower Upper

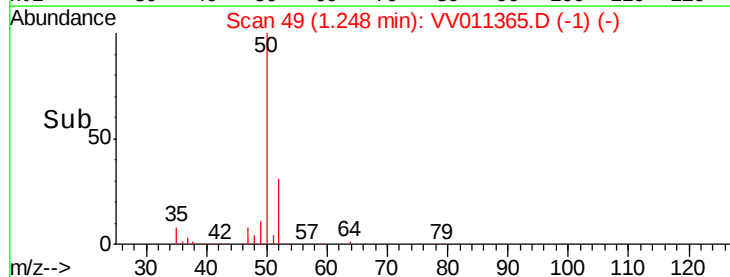
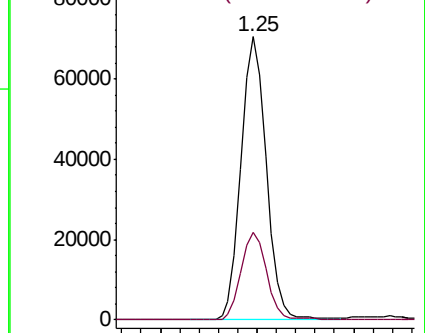
50 100

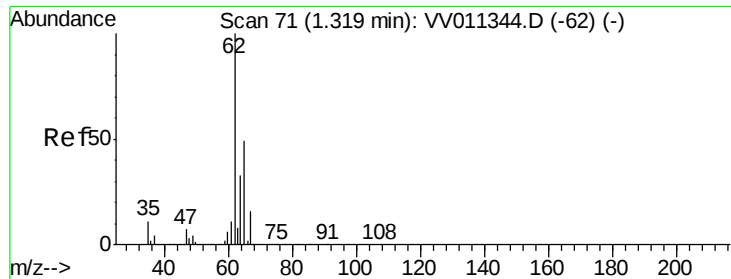
52 31.0 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011344.D (-37) (-)

Ion 52.05 (51.75 to 52.75): VV011365.D (-1) (-)





#5

Vinyl chloride

Concen: 5.107 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

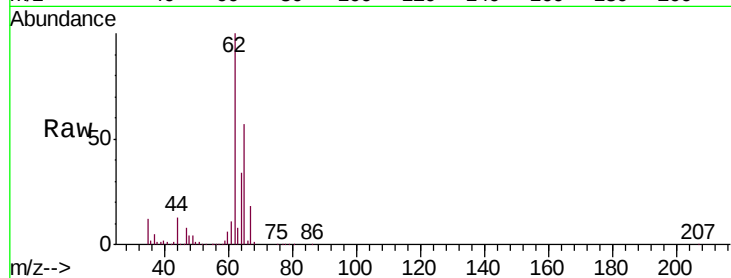
VSTD00544

Tgt Ion: 62 Resp: 66049

Ion Ratio Lower Upper

62 100

64 34.2 25.9 48.1



Abundance Ion 62.00 (61.70 to 62.70): VV011344.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV011344.D (-62) (-)

1.32

80000

60000

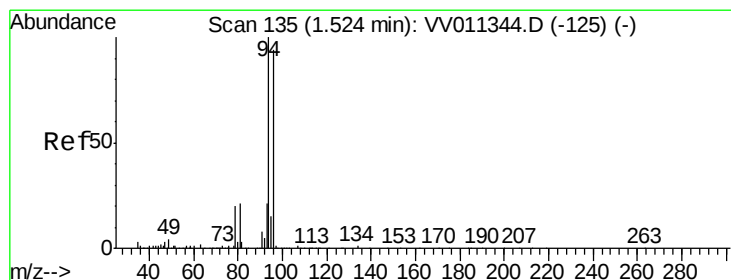
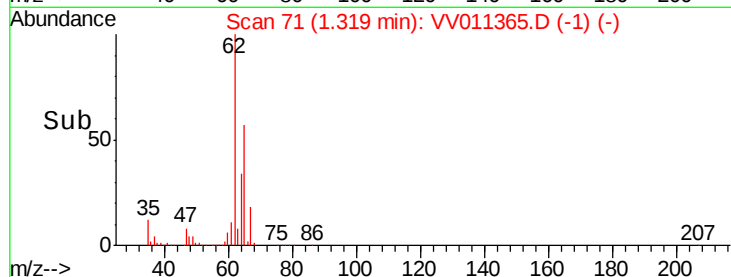
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 3.791 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV011365.D

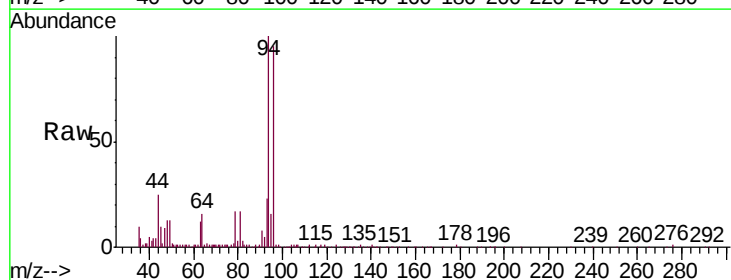
Acq: 10 Jun 2019 23:11

Tgt Ion: 94 Resp: 25505

Ion Ratio Lower Upper

94 100

96 95.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011344.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV011344.D (-125) (-)

1.51

30000

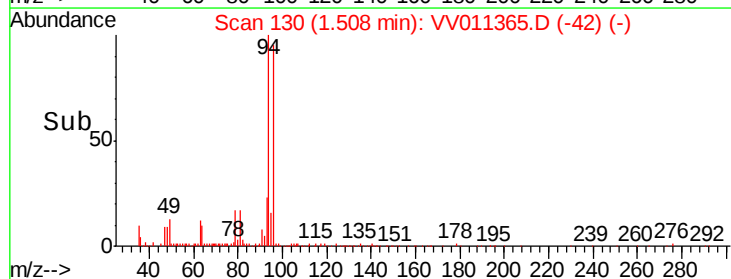
20000

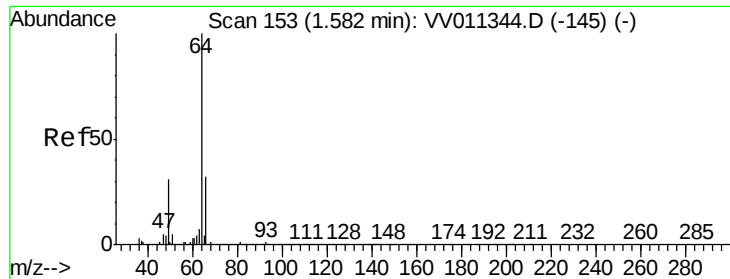
10000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 4.906 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

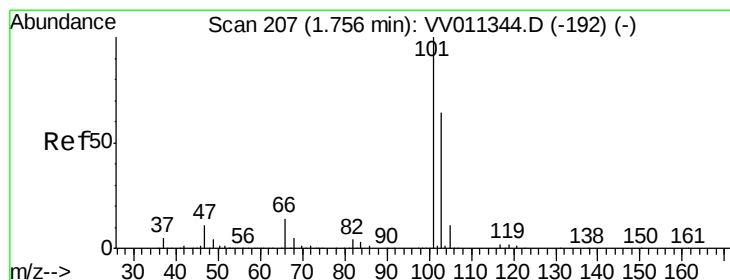
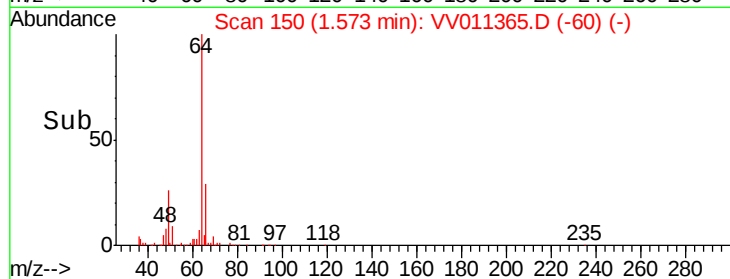
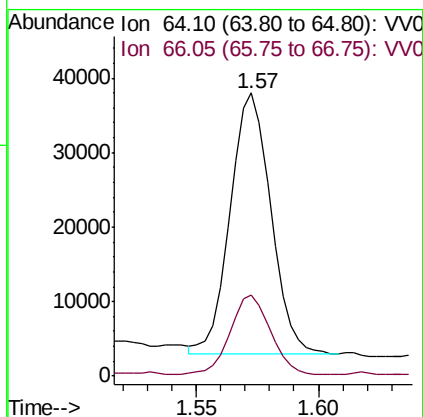
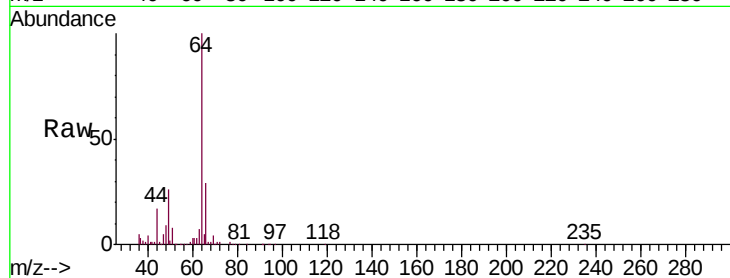
VSTD00544

Tgt Ion: 64 Resp: 40547

Ion Ratio Lower Upper

64 100

66 28.8 19.4 36.0



#9

Trichlorofluoromethane

Concen: 4.809 ug/L

RT: 1.75 min Scan# 205

Delta R.T. -0.01 min

Lab File: VV011365.D

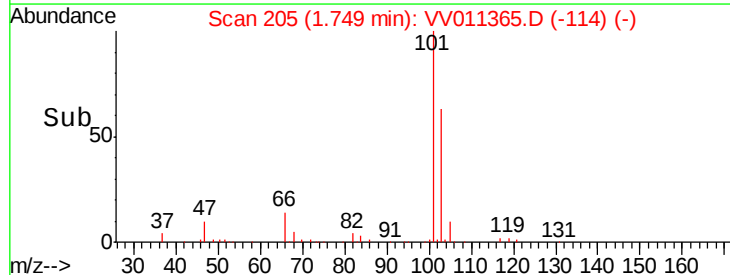
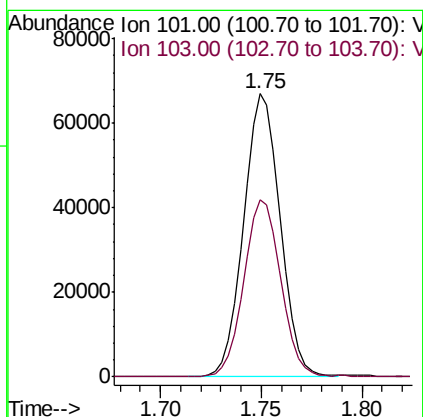
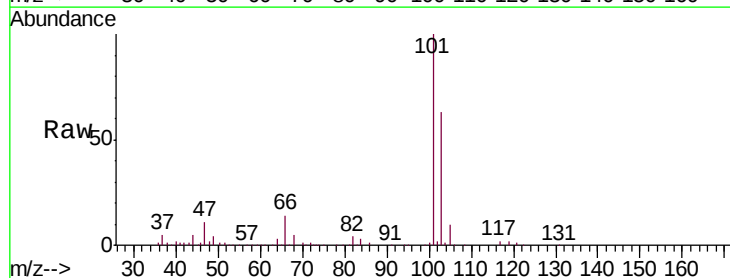
Acq: 10 Jun 2019 23:11

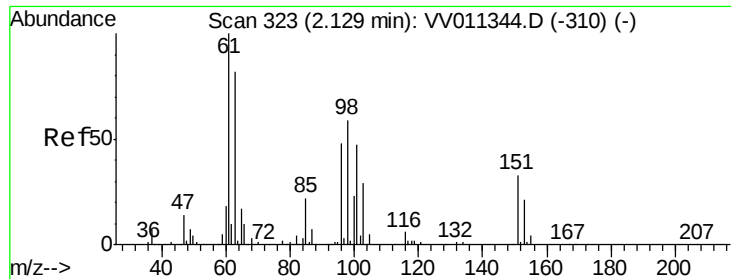
Tgt Ion: 101 Resp: 85374

Ion Ratio Lower Upper

101 100

103 63.1 50.8 76.2





#10

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

Concen: 4.907 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

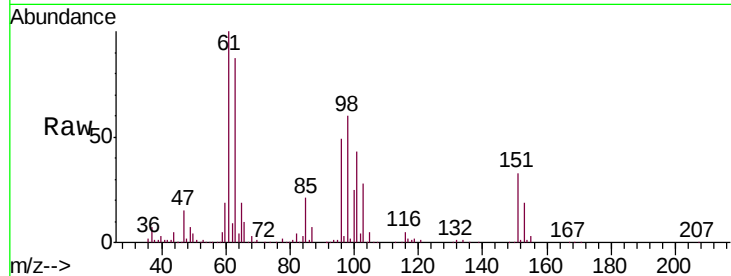
Tgt Ion: 101 Resp: 44717

Ion Ratio Lower Upper

101 100

85 47.1 35.5 53.3

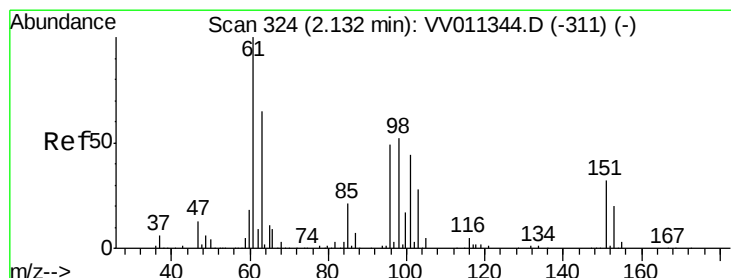
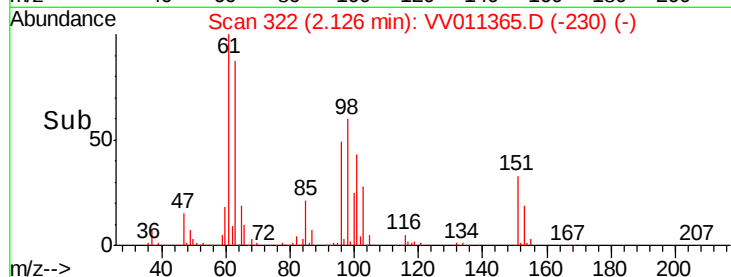
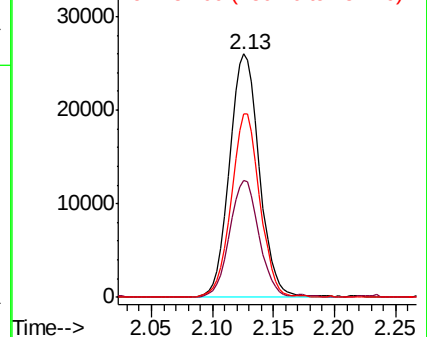
151 72.1 56.9 85.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.940 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

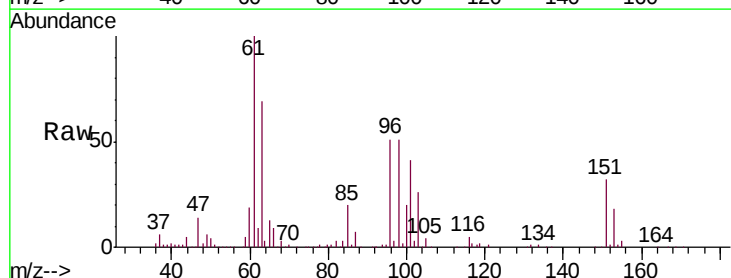
Tgt Ion: 96 Resp: 43748

Ion Ratio Lower Upper

96 100

61 197.8 139.8 259.6

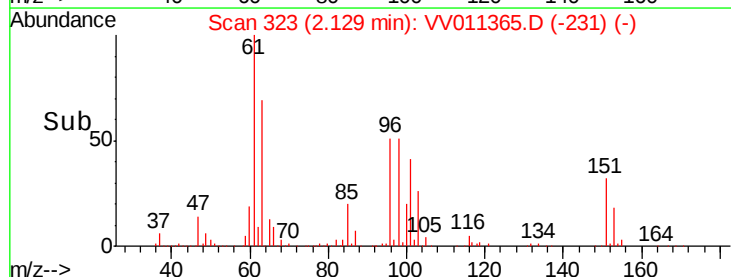
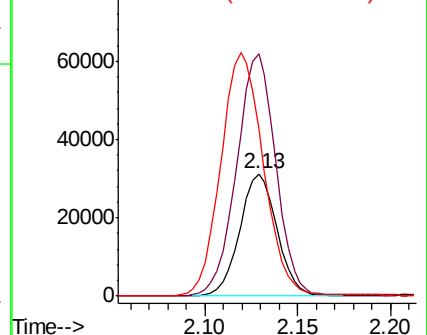
63 135.8 94.3 175.1

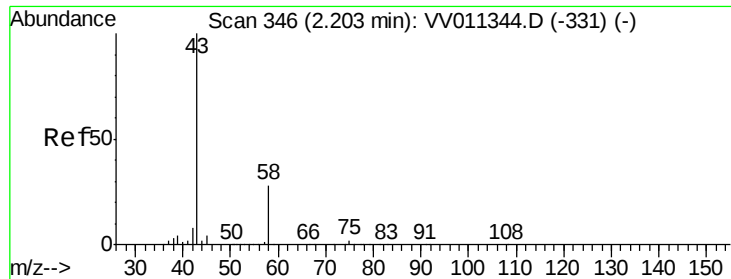


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.557 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

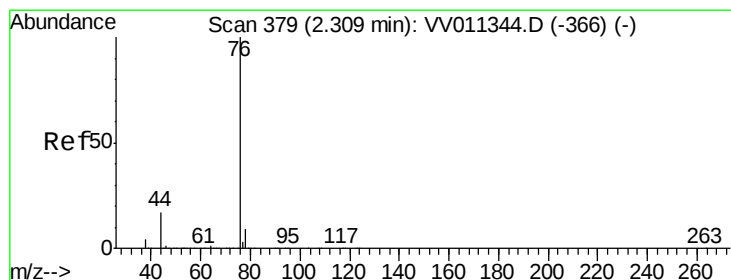
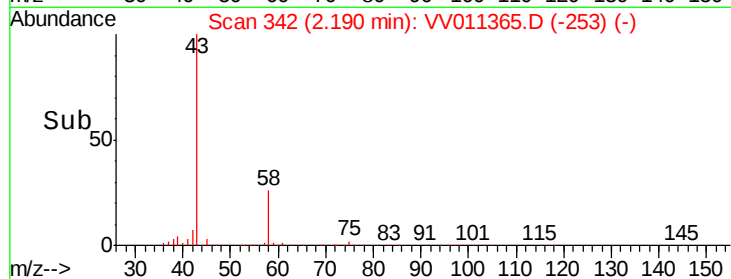
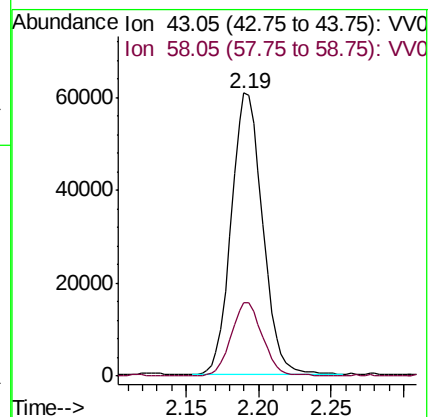
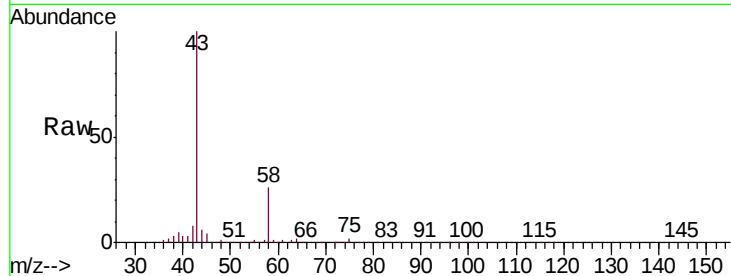
VSTD00544

Tgt Ion: 43 Resp: 90931

Ion Ratio Lower Upper

43 100

58 26.6 0.0 55.2



#14

Carbon disulfide

Concen: 4.280 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011365.D

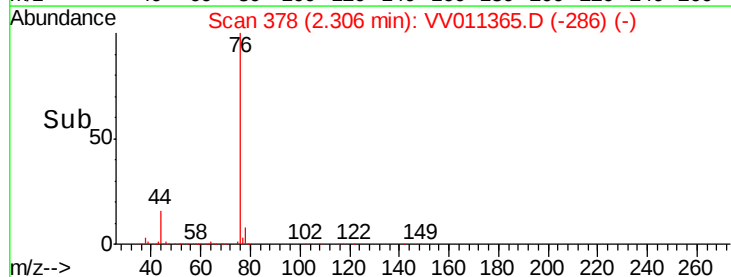
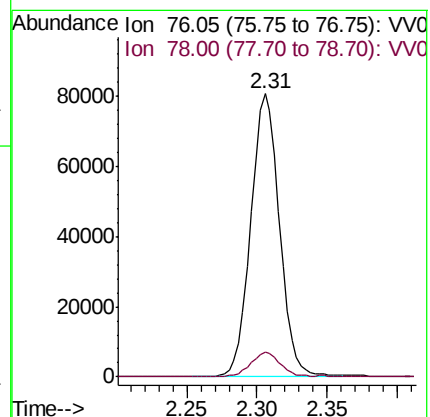
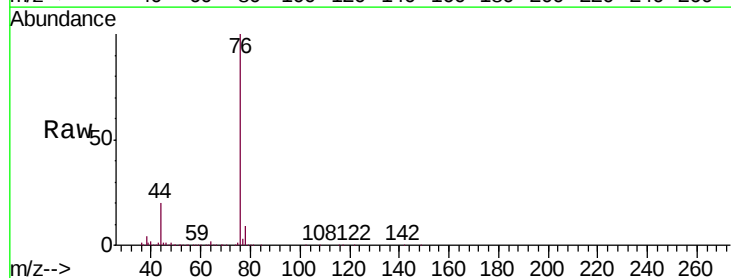
Acq: 10 Jun 2019 23:11

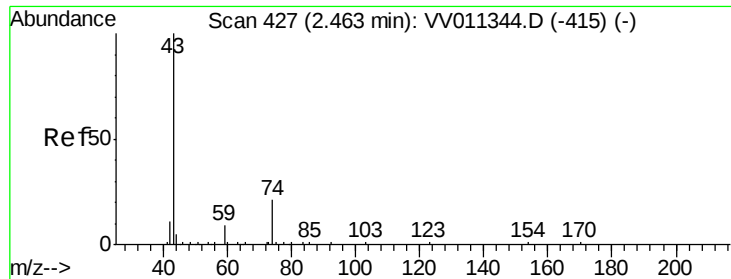
Tgt Ion: 76 Resp: 114972

Ion Ratio Lower Upper

76 100

78 8.6 7.3 10.9





#15

Methyl Acetate

Concen: 5.391 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

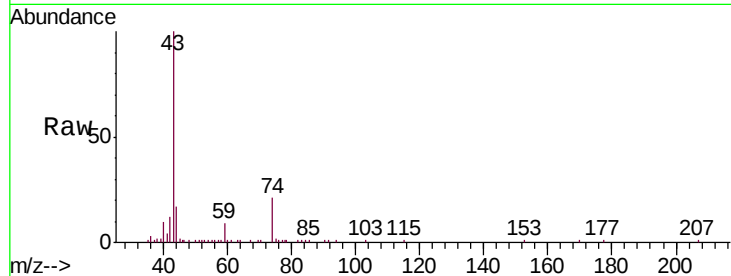
VSTD00544

Tgt Ion: 43 Resp: 23021

Ion Ratio Lower Upper

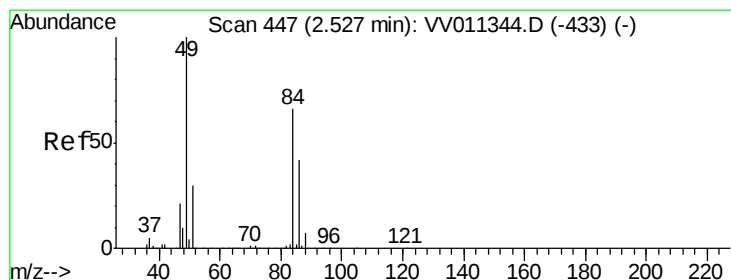
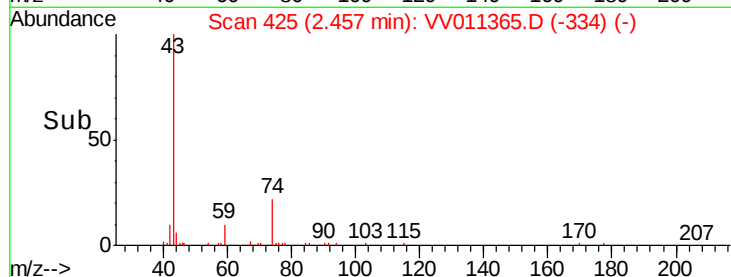
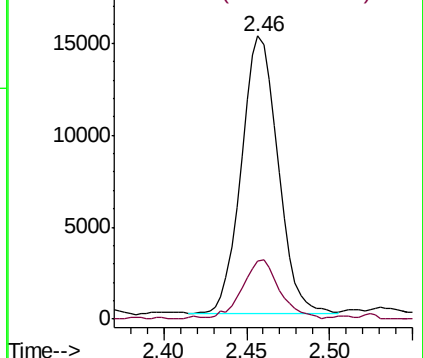
43 100

74 22.0 18.5 27.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 5.291 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

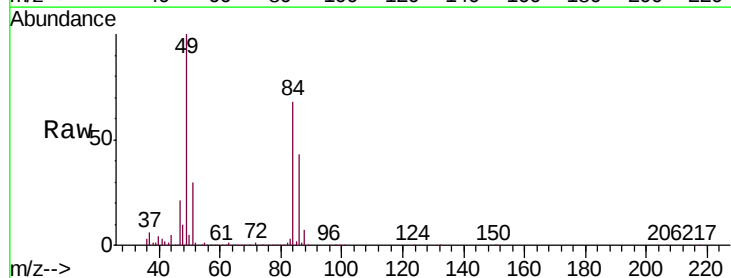
Tgt Ion: 84 Resp: 48279

Ion Ratio Lower Upper

84 100

86 62.3 44.9 83.3

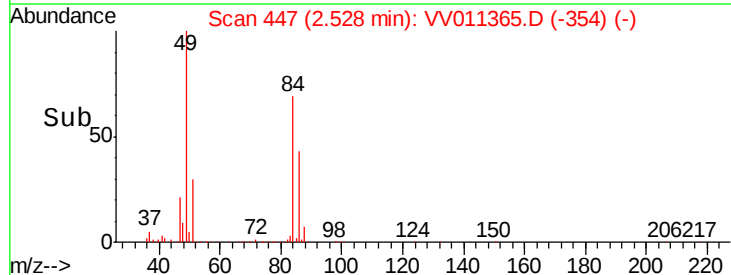
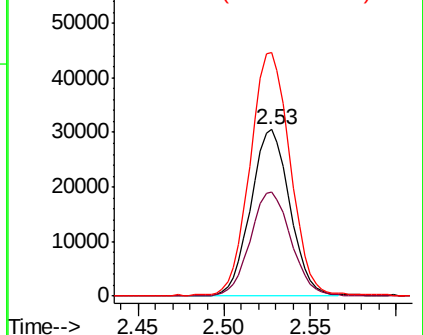
49 146.3 102.1 189.5

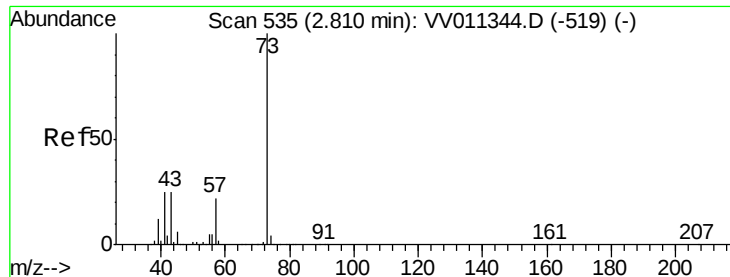


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

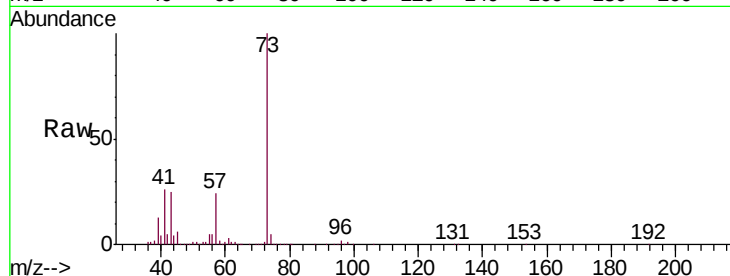




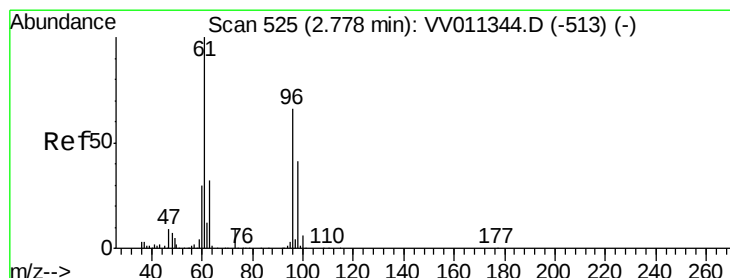
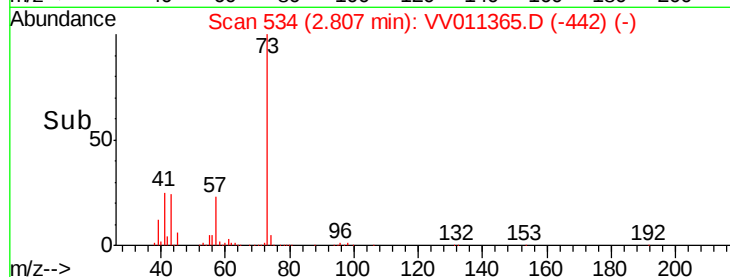
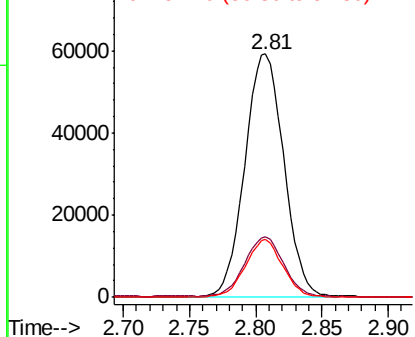
#17
Methyl tert-butyl Ether
Concen: 5.150 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.2	18.7	28.1
57	23.0	18.1	27.1

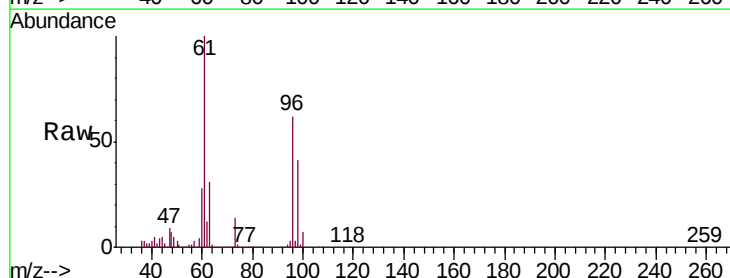


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

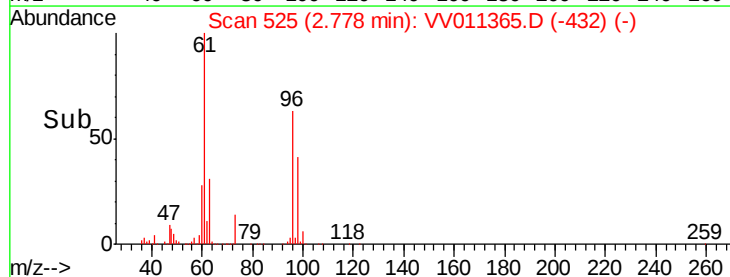
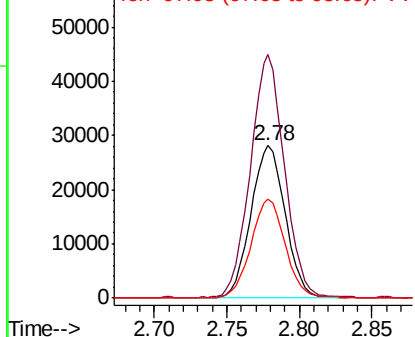


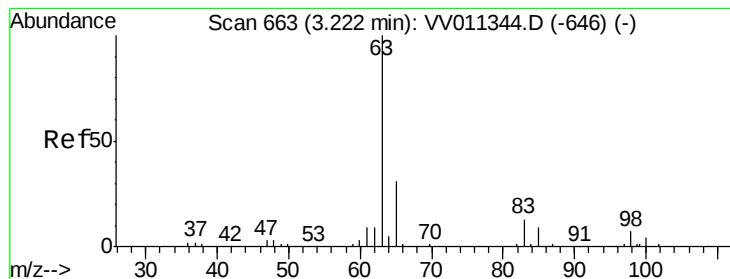
#18
trans-1,2-Dichloroethene
Concen: 4.690 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.0	104.0	193.2
98	65.1	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: 4.891 ug/L

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

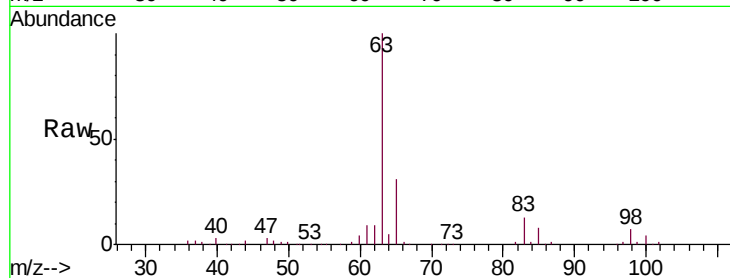
Tgt Ion: 63 Resp: 95660

Ion Ratio Lower Upper

63 100

65 30.8 22.1 41.1

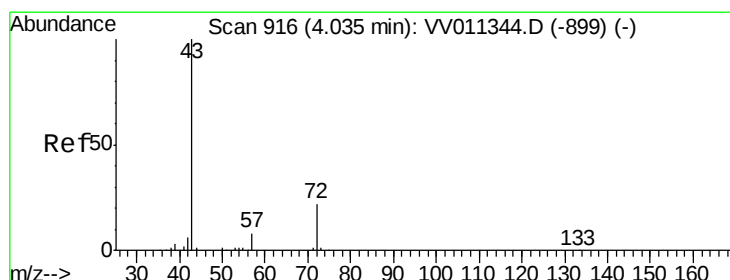
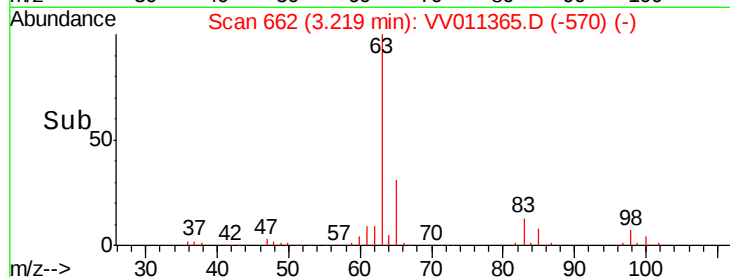
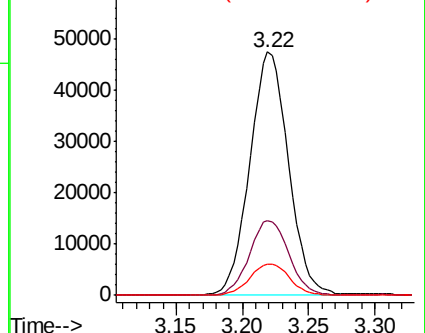
83 12.6 9.2 17.0



Abundance Ion 63.10 (62.80 to 63.80): VV011344.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV011344.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV011344.D (-646) (-)



#21

2-Butanone

Concen: 56.066 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.01 min

Lab File: VV011365.D

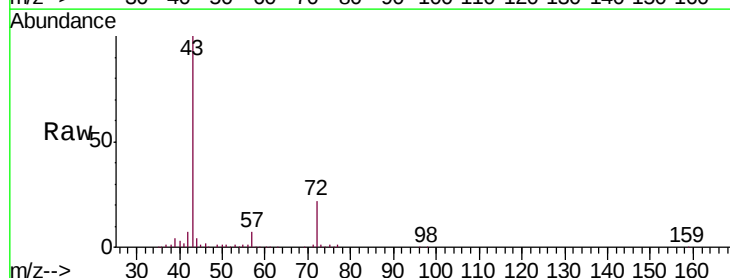
Acq: 10 Jun 2019 23:11

Tgt Ion: 43 Resp: 138818

Ion Ratio Lower Upper

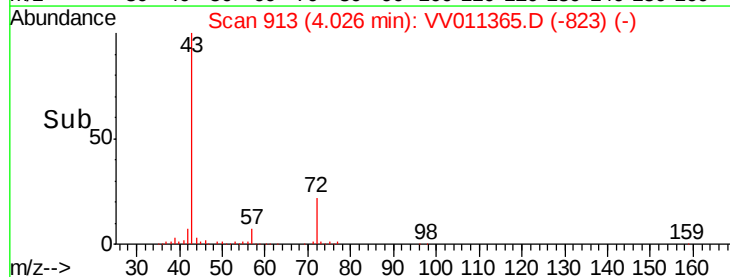
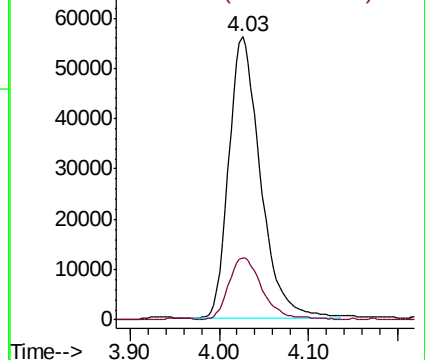
43 100

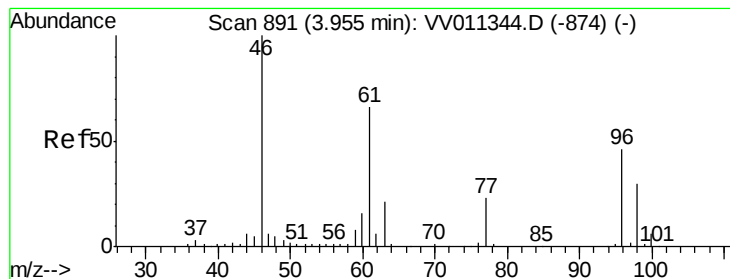
72 22.8 12.7 38.1



Abundance Ion 43.05 (42.75 to 43.75): VV011344.D (-899) (-)

Ion 72.10 (71.80 to 72.80): VV011344.D (-899) (-)



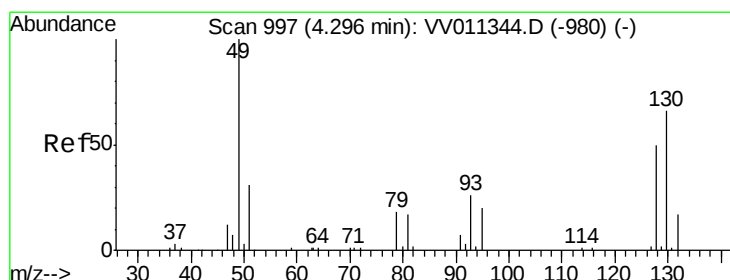
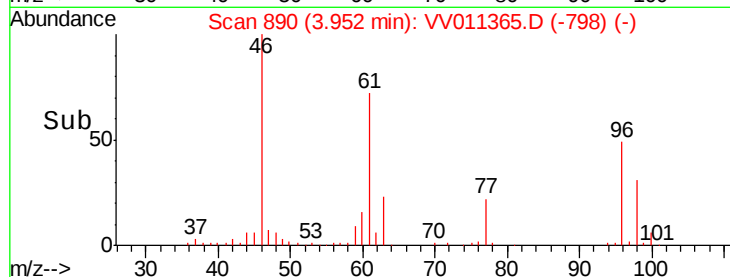
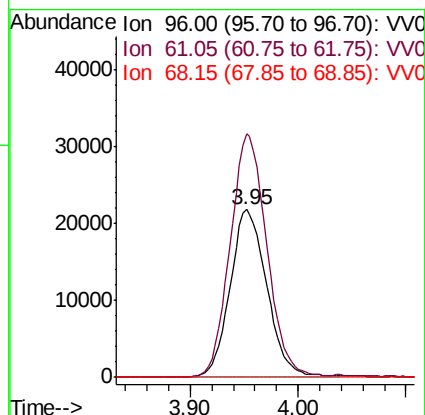
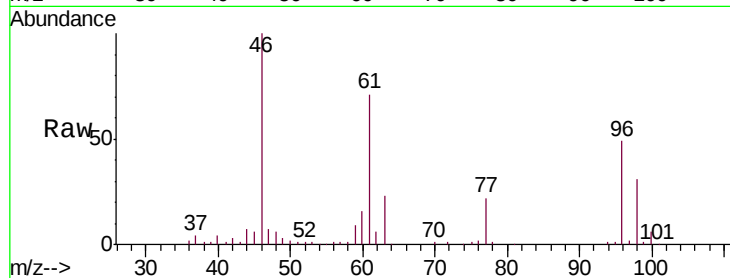


#22

cis-1,2-Dichloroethene
Concen: 4.720 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

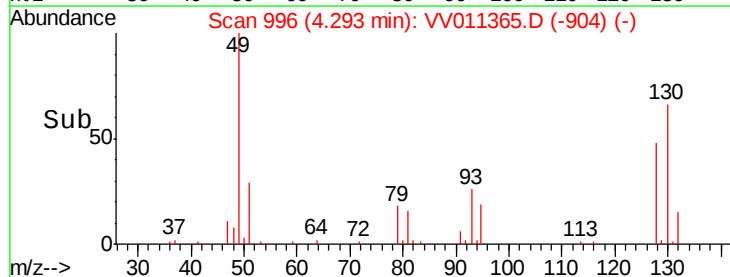
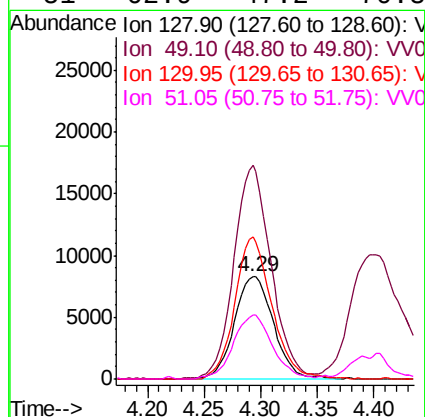
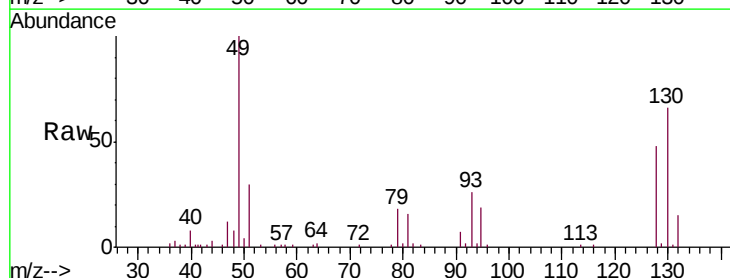
Tgt Ion: 96 Resp: 51827
Ion Ratio Lower Upper
96 100
61 145.2 100.8 187.2
68 0.0 0.0 0.0

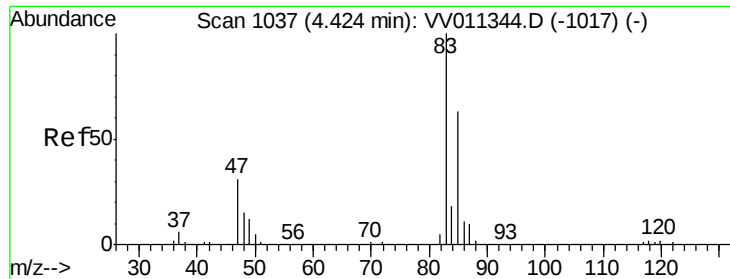


#23

Bromochloromethane
Concen: 4.746 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Tgt Ion: 128 Resp: 19978
Ion Ratio Lower Upper
128 100
49 209.0 128.9 239.5
130 138.7 82.5 153.1
51 62.9 47.2 70.8

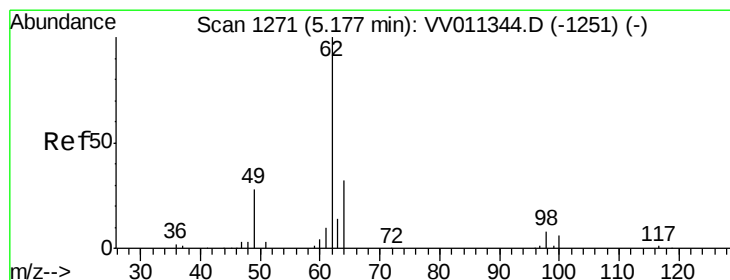
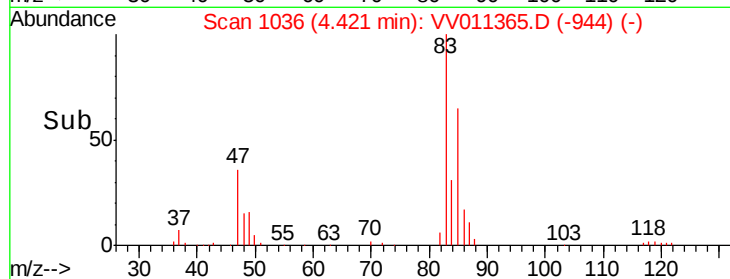
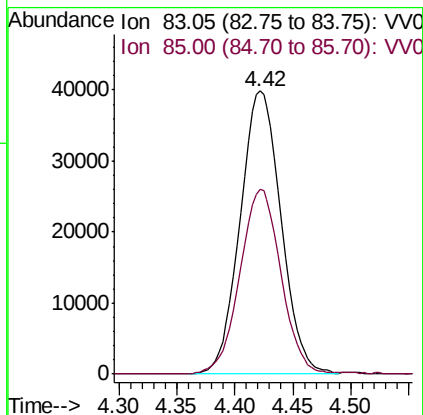
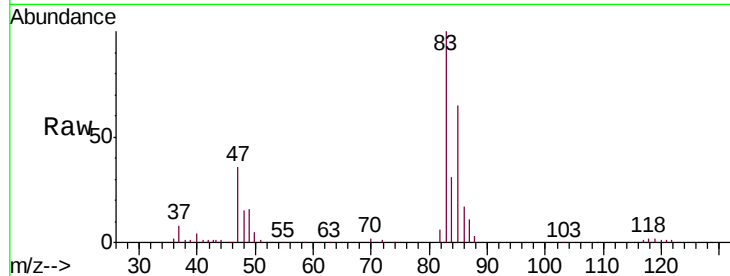




#25
Chloroform
Concen: 4.844 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

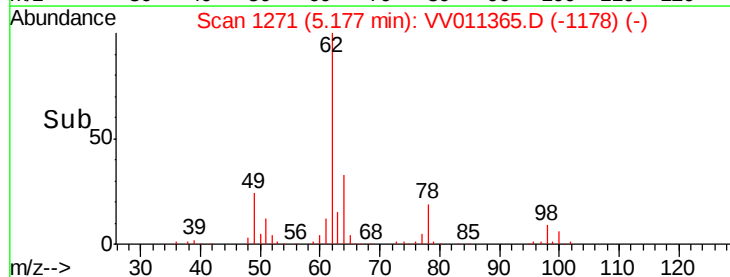
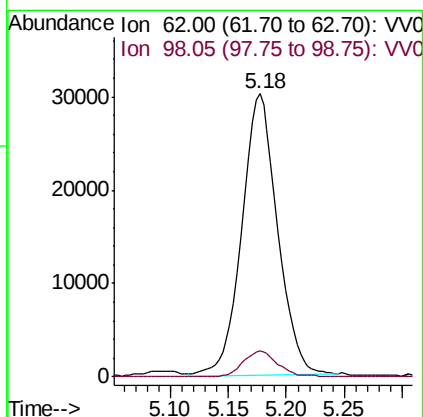
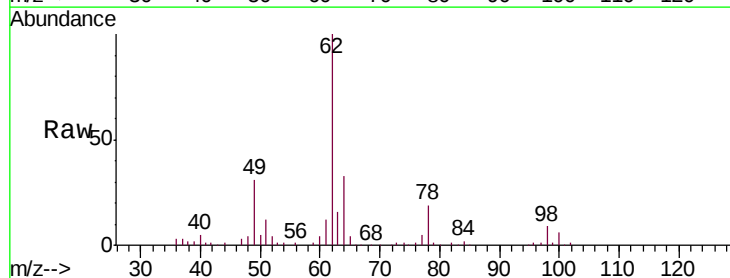
Instrument :
MSVOA_V
ClientSampled :
VSTD00544

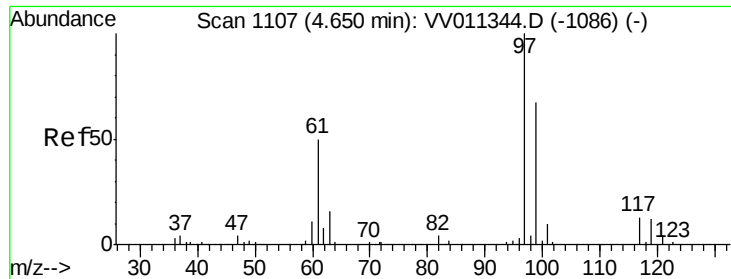
Tgt Ion: 83 Resp: 97852
Ion Ratio Lower Upper
83 100
85 65.2 44.1 81.9



#27
1,2-Dichloroethane
Concen: 5.240 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Tgt Ion: 62 Resp: 64686
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3

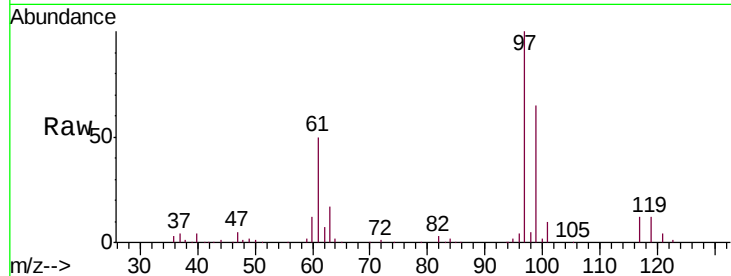




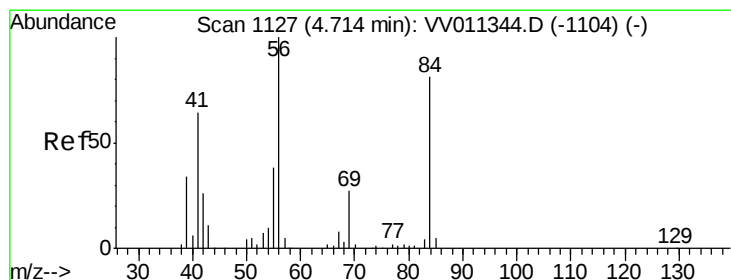
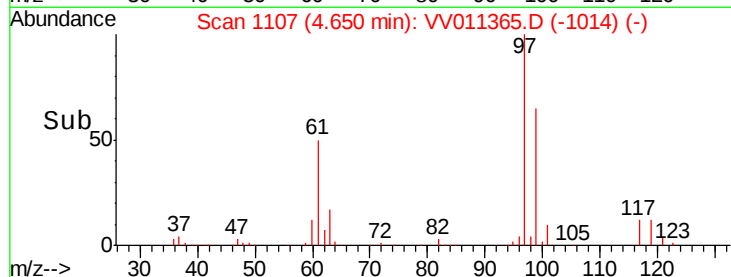
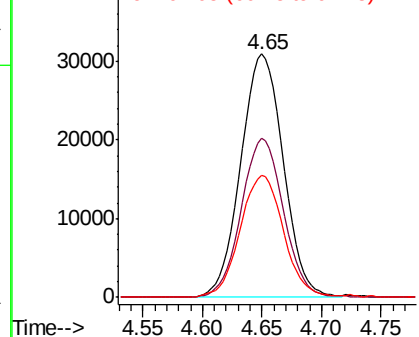
#29
1,1,1-Trichloroethane
Concen: 4.580 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Instrument :
MSVOA_V
ClientSampled :
VSTD00544

Tgt Ion: 97 Resp: 76714
Ion Ratio Lower Upper
97 100
99 64.7 50.8 76.2
61 51.1 38.9 58.3

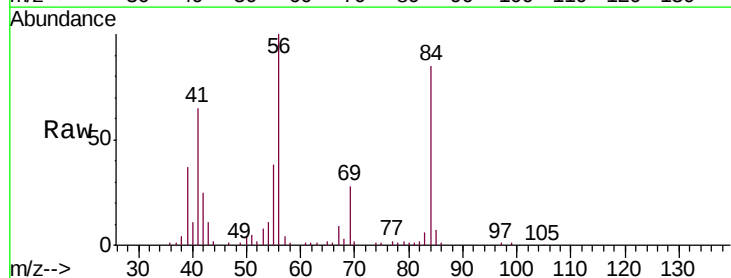


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

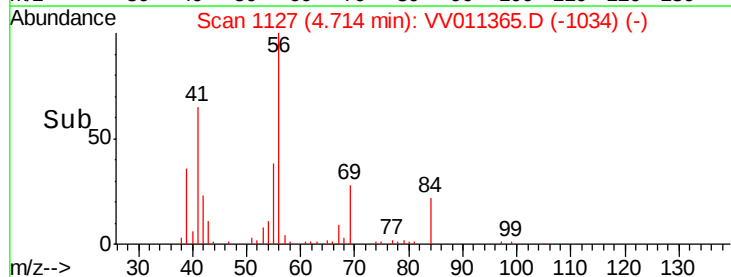
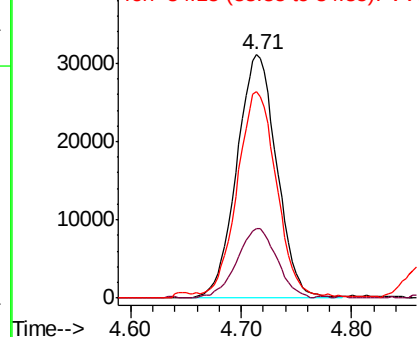


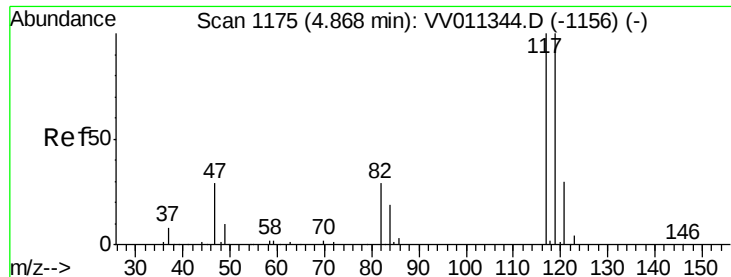
#30
Cyclohexane
Concen: 4.195 ug/L
RT: 4.71 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Tgt Ion: 56 Resp: 77910
Ion Ratio Lower Upper
56 100
69 28.7 24.1 36.1
84 80.5 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

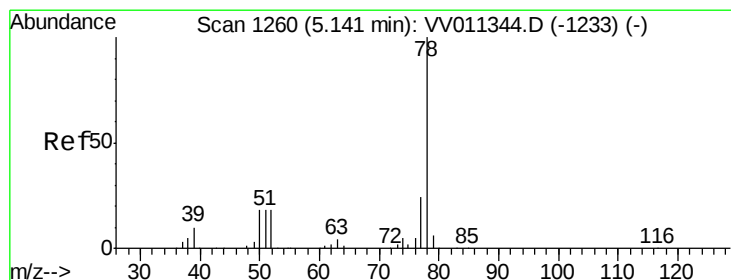
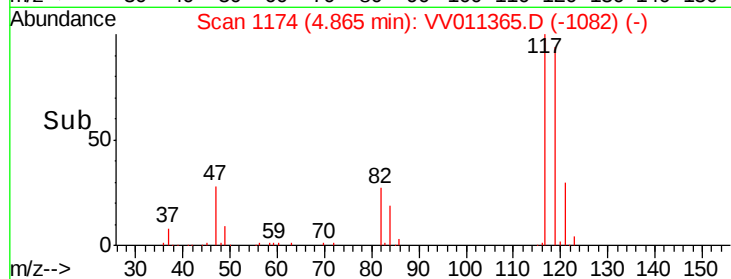
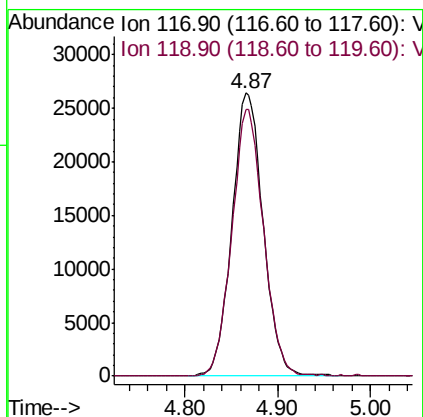
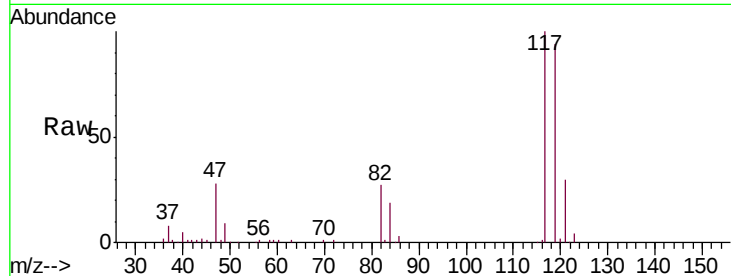




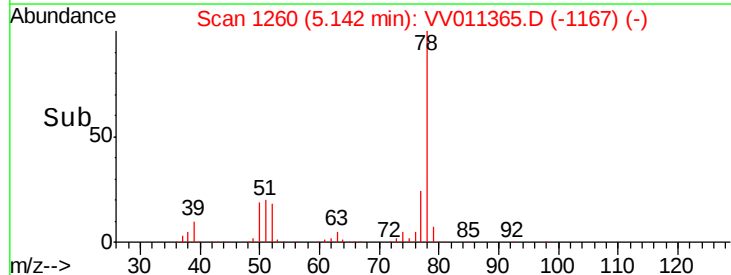
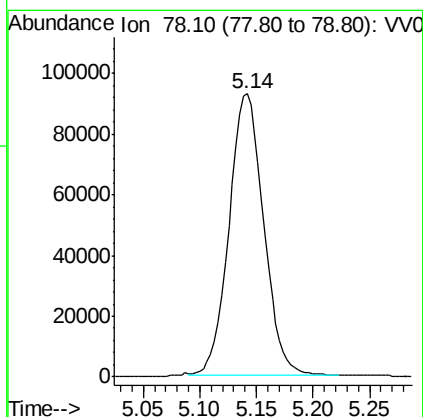
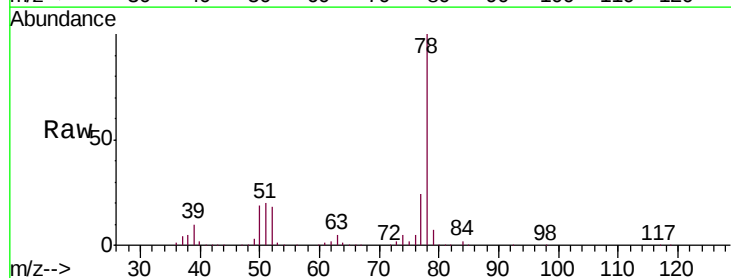
#31
Carbon tetrachloride
Concen: 4.408 ug/L
RT: 4.87 min Scan# 1174
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

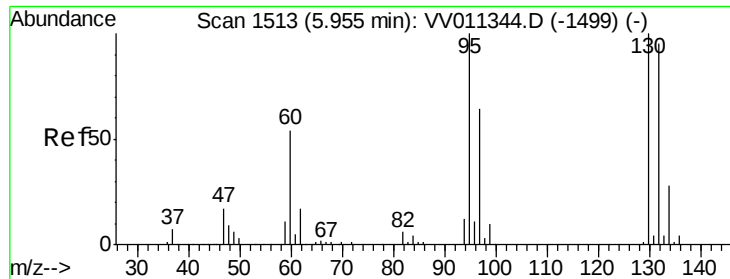
Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tgt Ion:117 Resp: 61713
Ion Ratio Lower Upper
117 100
119 95.4 77.9 116.9



#33
Benzene
Concen: 4.719 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11
Tgt Ion: 78 Resp: 197202

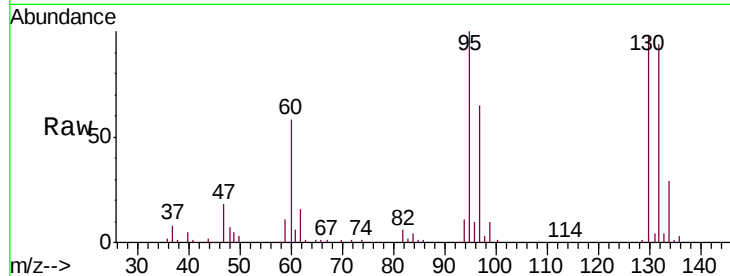




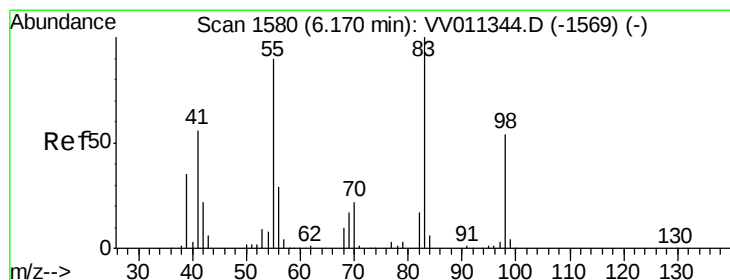
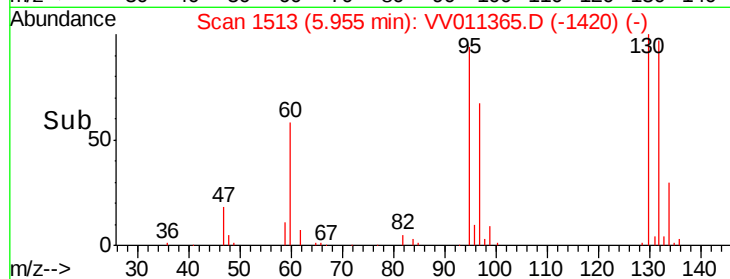
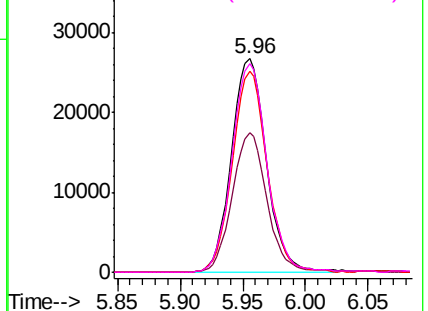
#34
 Trichloroethene
 Concen: 4.803 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion: 95 Resp: 51849
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.8 85.2
 132 94.3 66.4 123.2
 130 97.5 68.3 126.8

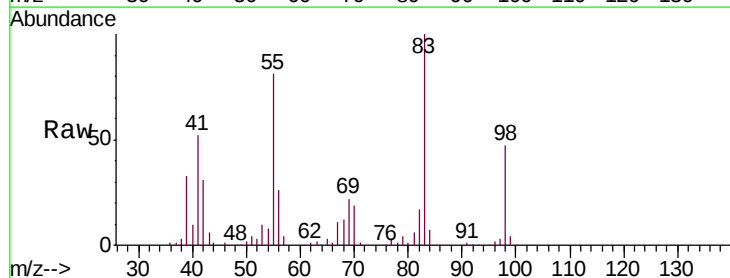


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

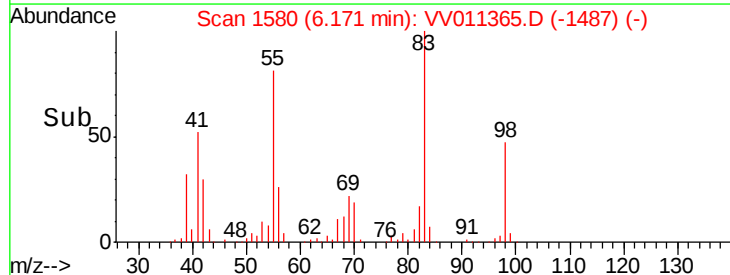
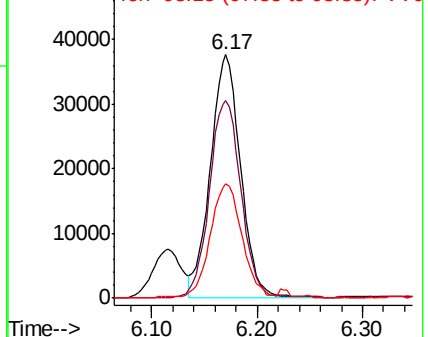


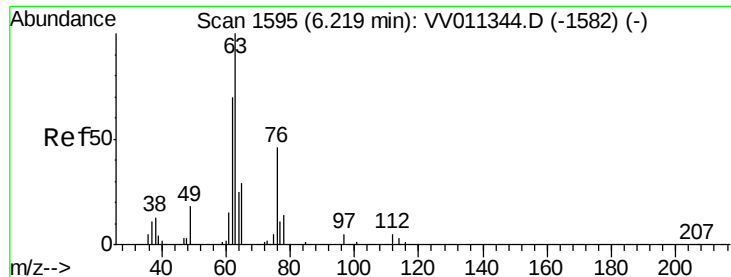
#35
 Methylcyclohexane
 Concen: 4.221 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion: 83 Resp: 75365
 Ion Ratio Lower Upper
 83 100
 55 84.4 67.0 100.6
 98 49.3 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

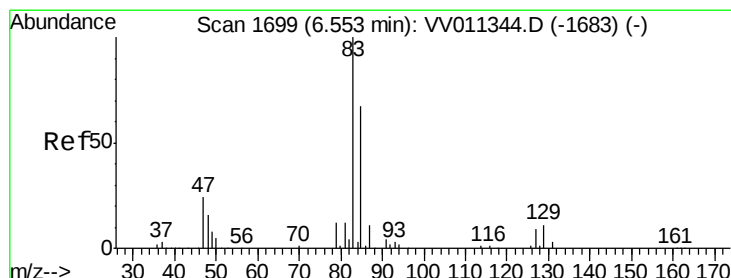
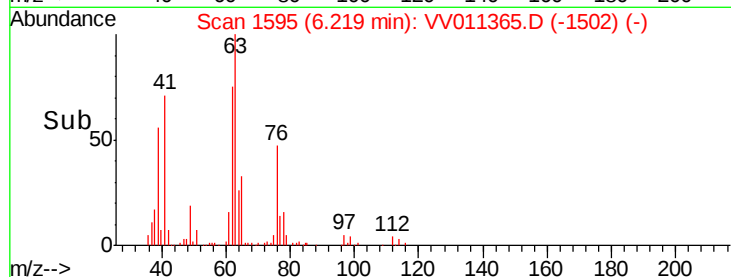
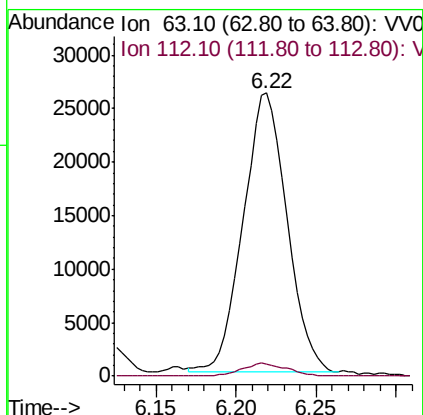
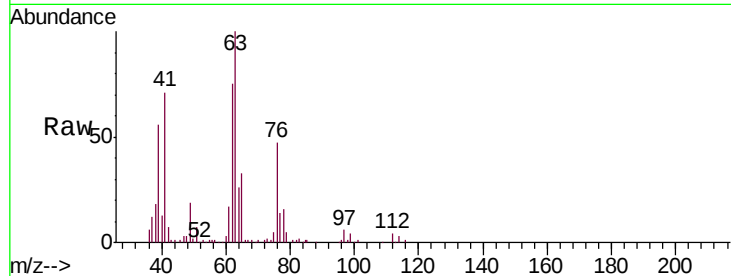




#37
 1,2-Dichloropropane
 Concen: 4.720 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

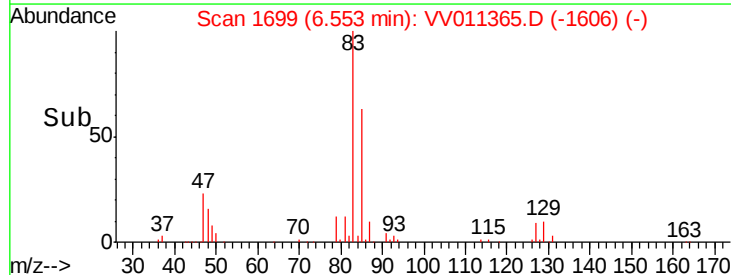
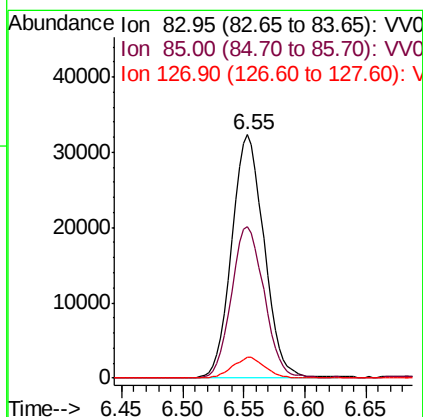
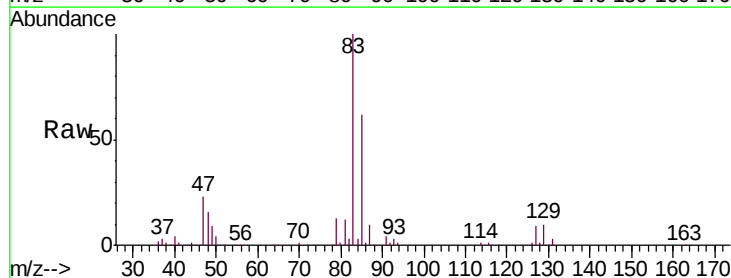
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

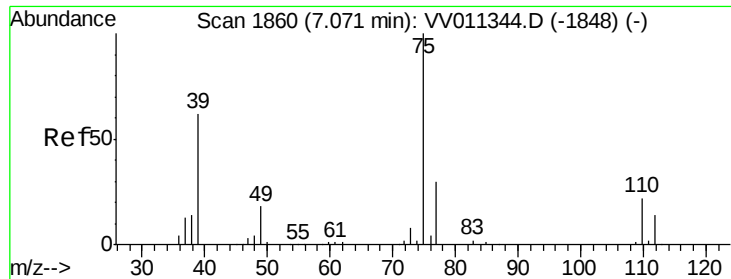
Tgt Ion: 63 Resp: 49090
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 4.649 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion: 83 Resp: 59785
 Ion Ratio Lower Upper
 83 100
 85 62.4 44.5 82.7
 127 8.6 7.0 10.4

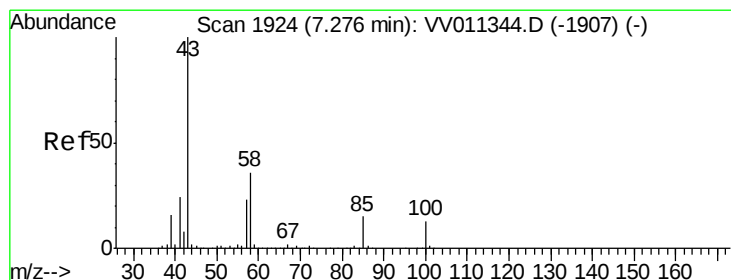
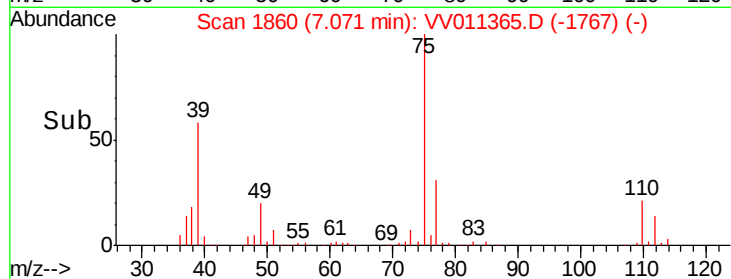
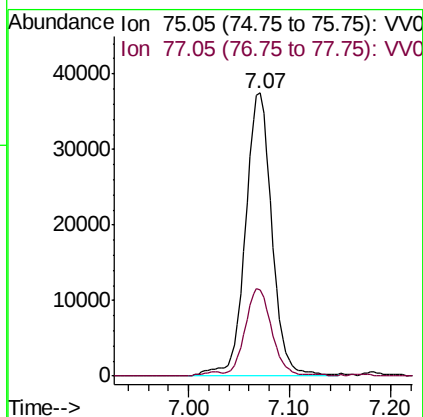
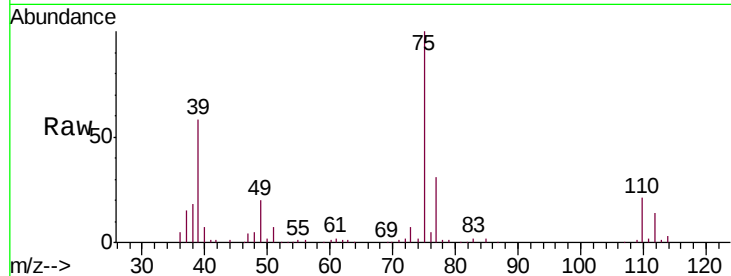




#39
 cis-1,3-Dichloropropene
 Concen: 4.458 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

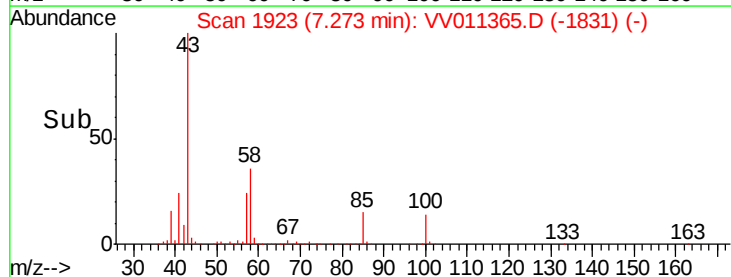
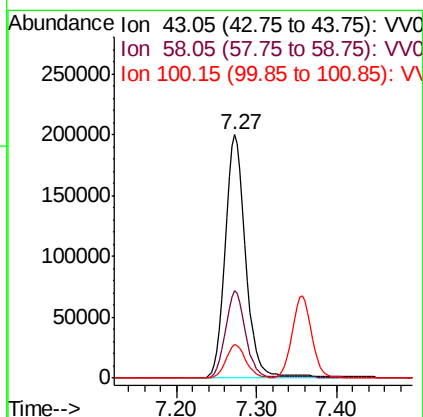
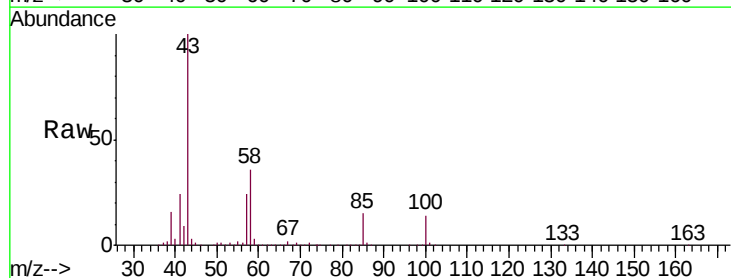
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

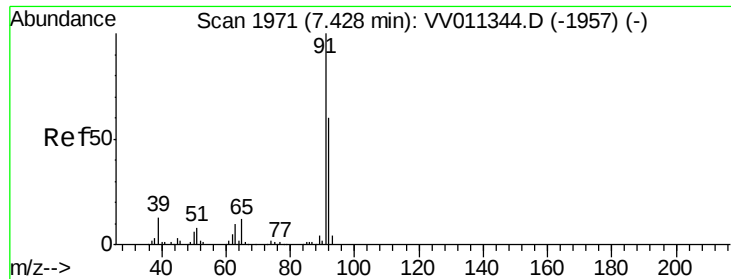
Tgt Ion: 75 Resp: 67834
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 53.245 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion: 43 Resp: 352671
 Ion Ratio Lower Upper
 43 100
 58 35.2 29.3 43.9
 100 13.5 10.6 16.0





#42

Toluene

Concen: 4.886 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

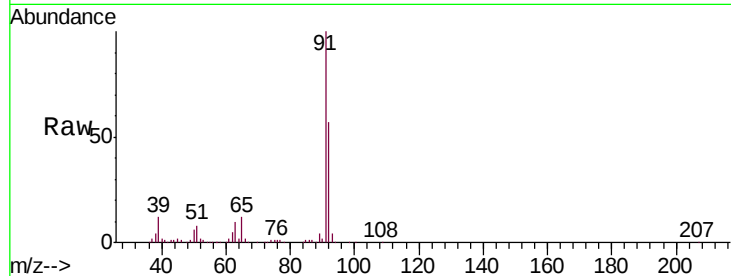
VSTD00544

Tgt Ion: 91 Resp: 217613

Ion Ratio Lower Upper

91 100

92 57.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV011344.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV011344.D (-1957) (-)

7.43

150000

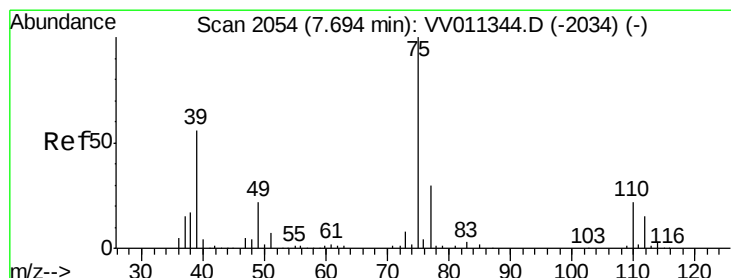
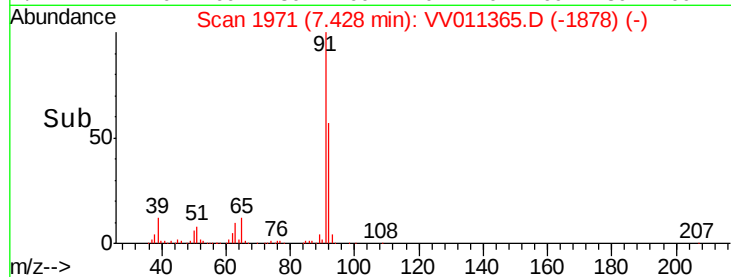
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.317 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011365.D

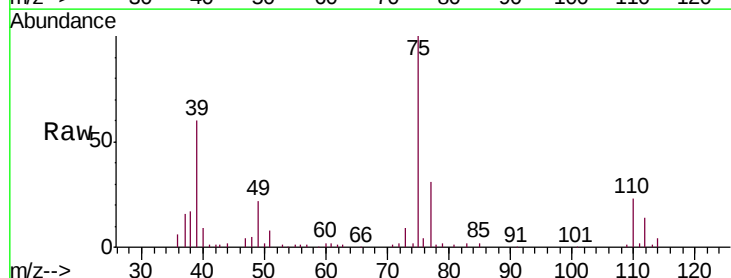
Acq: 10 Jun 2019 23:11

Tgt Ion: 75 Resp: 49943

Ion Ratio Lower Upper

75 100

77 31.1 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VV011344.D (-2034) (-)

Ion 77.05 (76.75 to 77.75): VV011344.D (-2034) (-)

7.69

30000

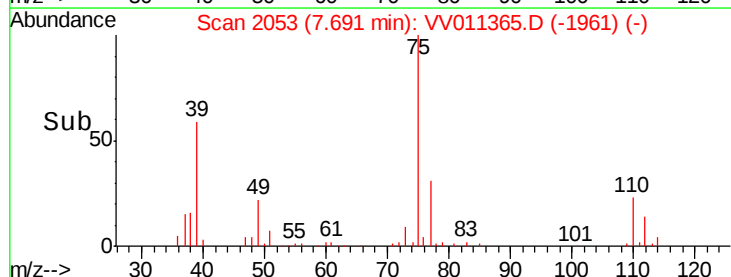
20000

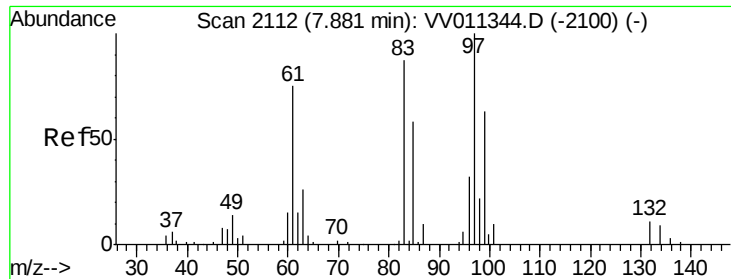
10000

0

7.60 7.65 7.70 7.75

Time-->

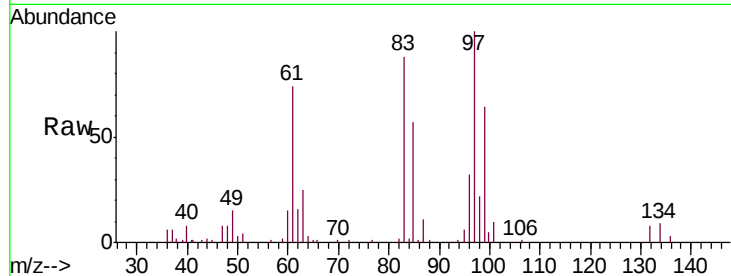




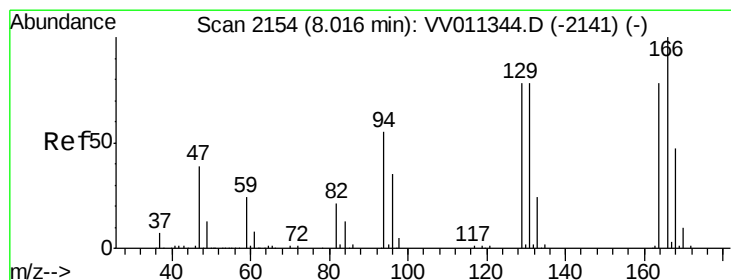
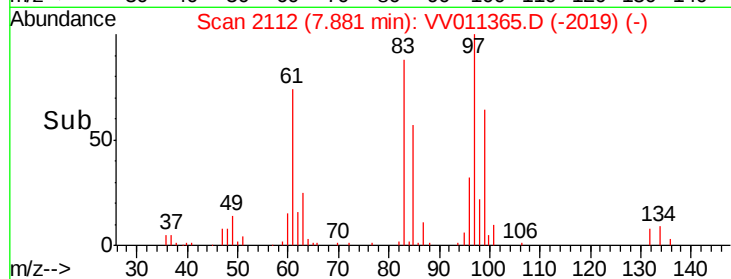
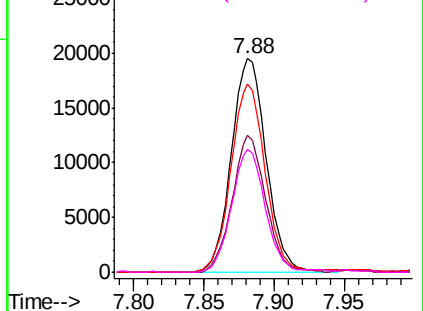
#45
 1,1,2-Trichloroethane
 Concen: 5.103 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:	97	Resp:	33976
Ion	Ratio	Lower	Upper
97	100		
99	64.4	42.1	78.3
83	88.4	59.4	110.2
85	57.4	39.7	73.7

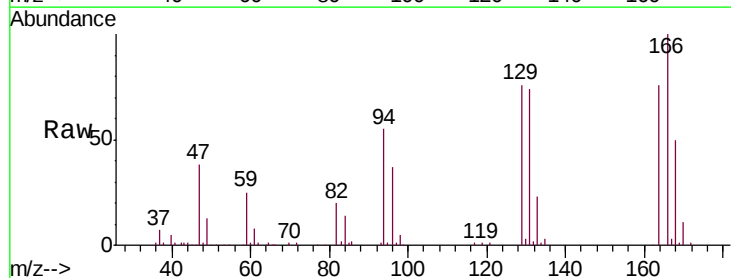


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

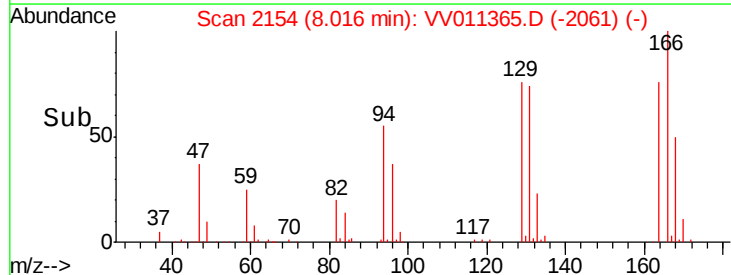
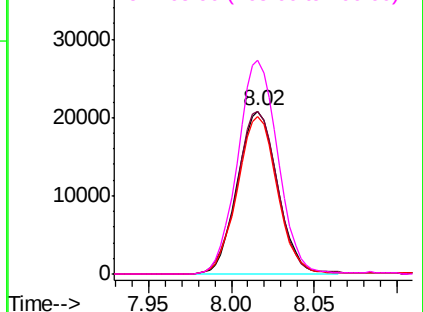


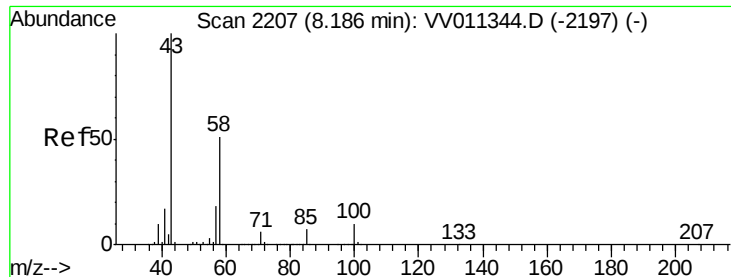
#47
 Tetrachloroethene
 Concen: 4.508 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion:	164	Resp:	35169
Ion	Ratio	Lower	Upper
164	100		
129	99.7	69.9	129.9
131	96.4	66.8	124.2
166	131.0	90.2	167.6



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

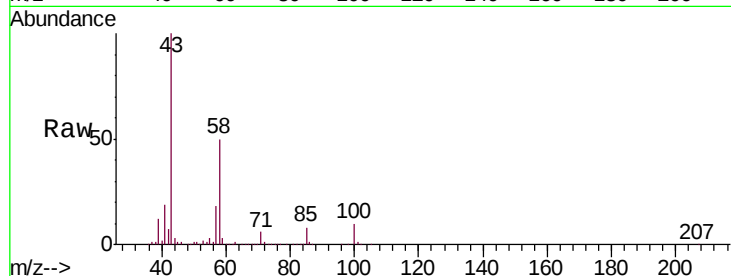




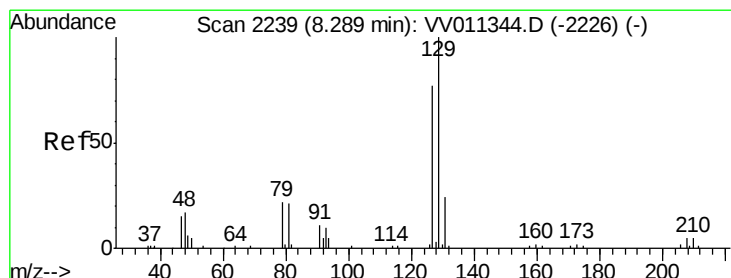
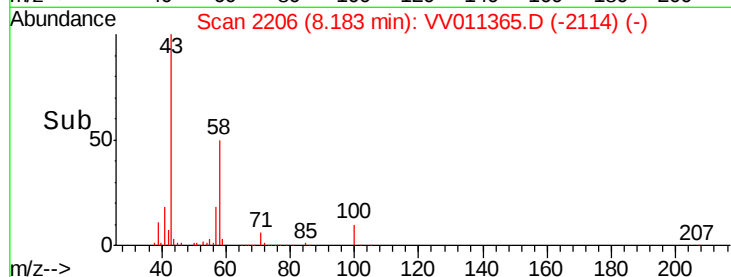
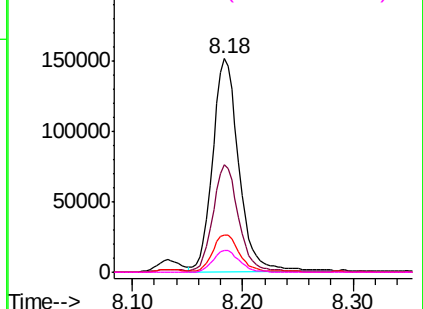
#48
2-Hexanone
Concen: 53.253 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Instrument :
MSVOA_V
ClientSampleId :
VSTD00544

Tgt Ion:	43	Resp:	245997
Ion	Ratio	Lower	Upper
43	100		
58	50.2	41.4	62.0
57	18.1	15.0	22.4
100	10.4	9.0	13.4

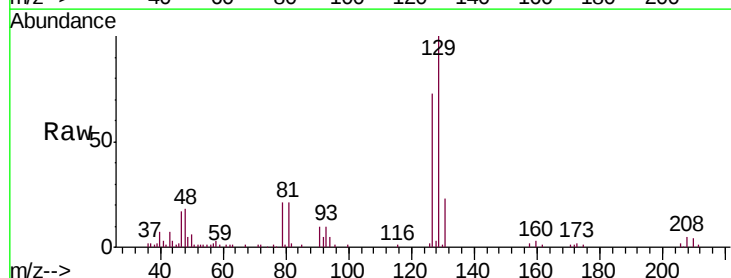


Abundance Ion 43.05 (42.75 to 43.75): VV011344.D (-2197) (-)
Ion 58.05 (57.75 to 58.75): VV011344.D (-2197) (-)
Ion 57.20 (56.90 to 57.90): VV011344.D (-2197) (-)
Ion 100.15 (99.85 to 100.85): VV011344.D (-2197) (-)

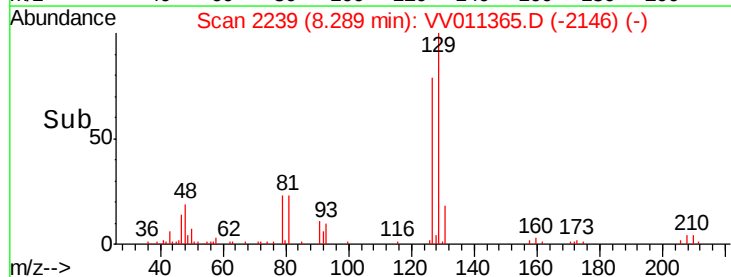
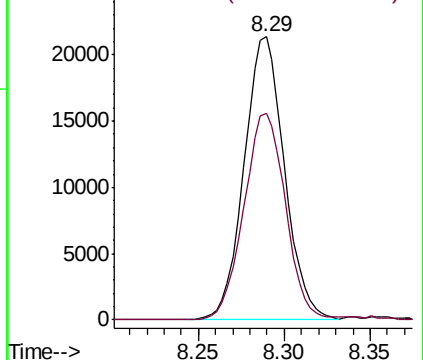


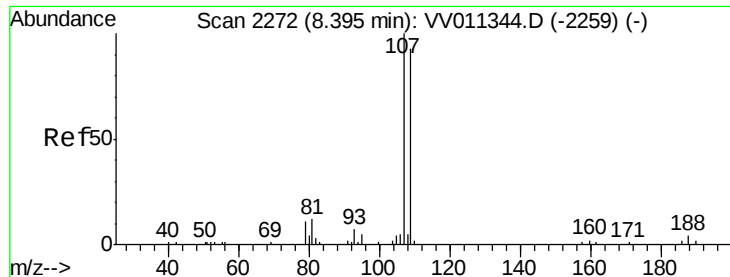
#49
Dibromochloromethane
Concen: 4.584 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011365.D
Acq: 10 Jun 2019 23:11

Tgt Ion:	129	Resp:	34668
Ion	Ratio	Lower	Upper
129	100		
127	73.1	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VV011344.D (-2226) (-)
Ion 126.90 (126.60 to 127.60): VV011344.D (-2226) (-)

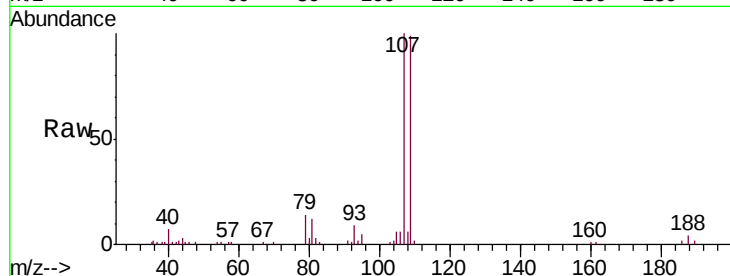




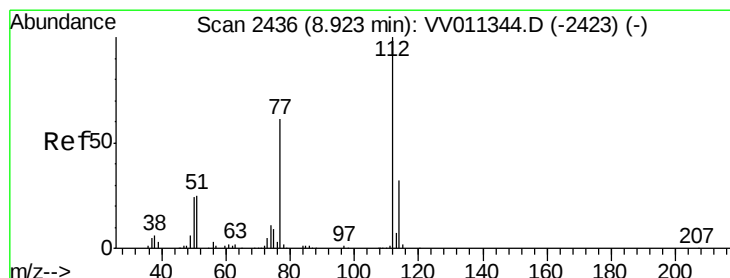
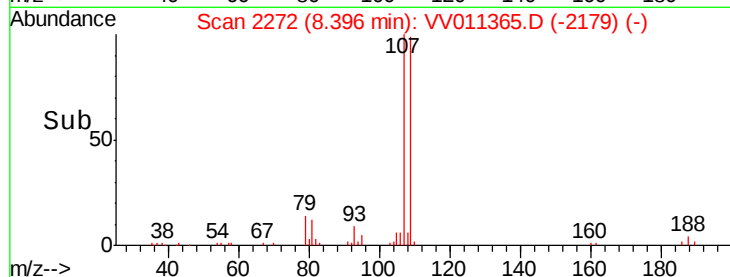
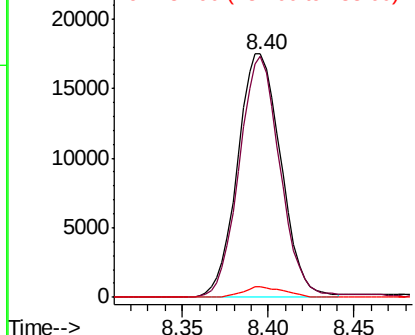
#50
 1,2-Dibromoethane
 Concen: 4.826 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:107 Resp: 30540
 Ion Ratio Lower Upper
 107 100
 109 98.8 64.5 119.9
 188 4.5 2.7 4.1#

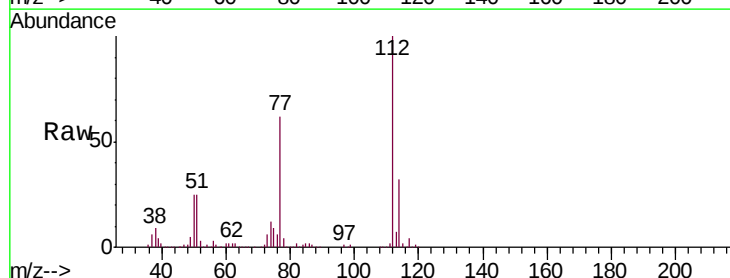


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

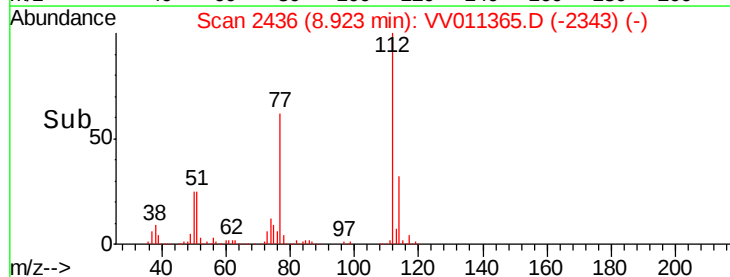
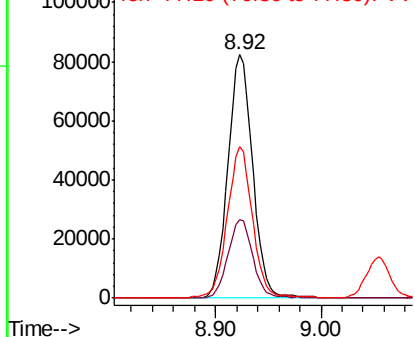


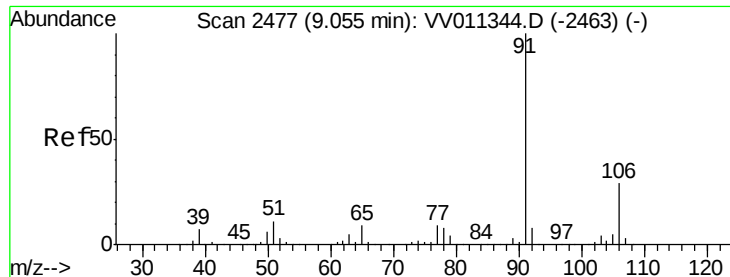
#51
 Chlorobenzene
 Concen: 4.941 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion:112 Resp: 134209
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.6 42.0
 77 62.0 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: 4.779 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

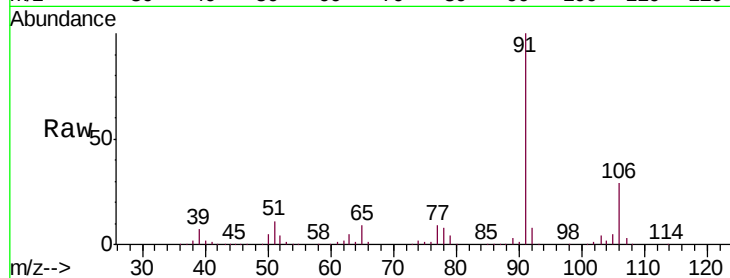
VSTD00544

Tgt Ion: 91 Resp: 236413

Ion Ratio Lower Upper

91 100

106 29.5 21.5 39.9



Abundance Ion 91.15 (90.85 to 91.85): VV011365.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV011365.D (-2384) (-)

9.05

150000

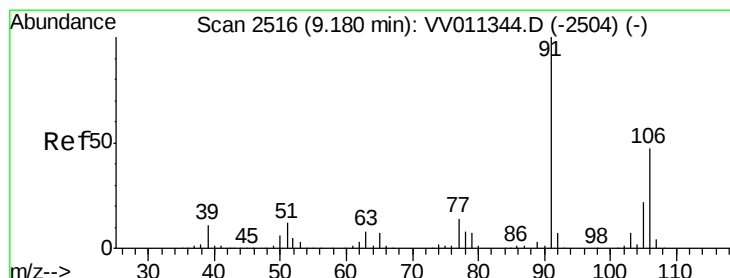
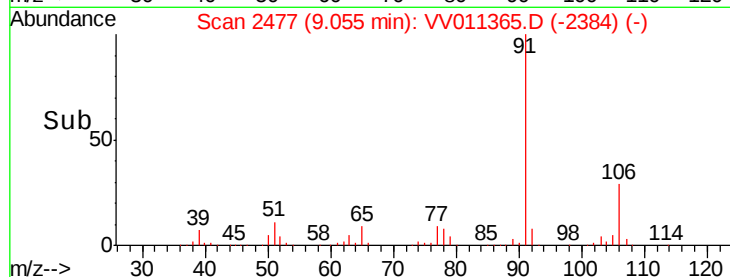
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 4.624 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011365.D

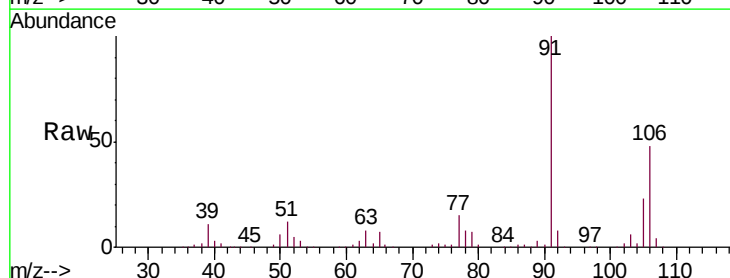
Acq: 10 Jun 2019 23:11

Tgt Ion: 106 Resp: 84582

Ion Ratio Lower Upper

106 100

91 210.3 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): VV011365.D (-2423) (-)

Ion 91.15 (90.85 to 91.85): VV011365.D (-2423) (-)

9.18

120000

100000

80000

60000

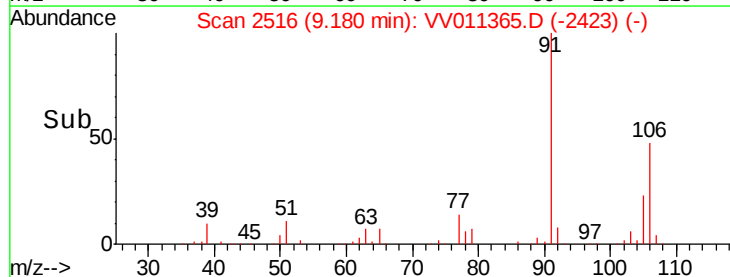
40000

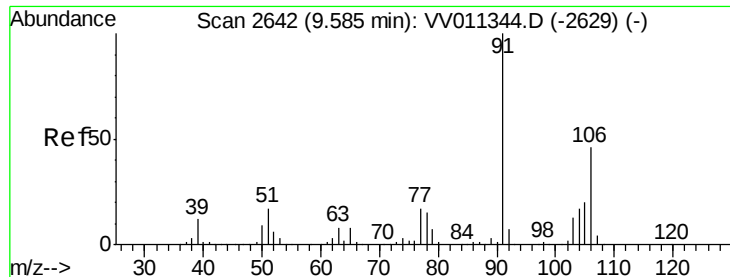
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#54

o-xylene

Concen: 4.892 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

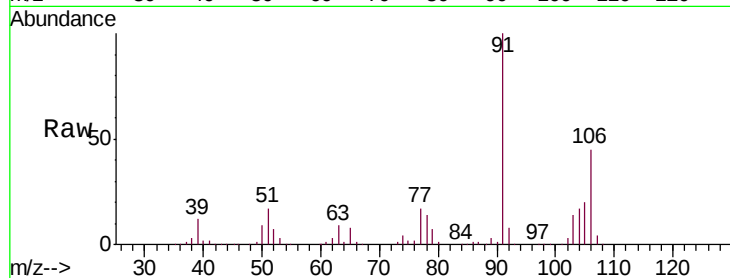
VSTD00544

Tgt Ion:106 Resp: 87822

Ion Ratio Lower Upper

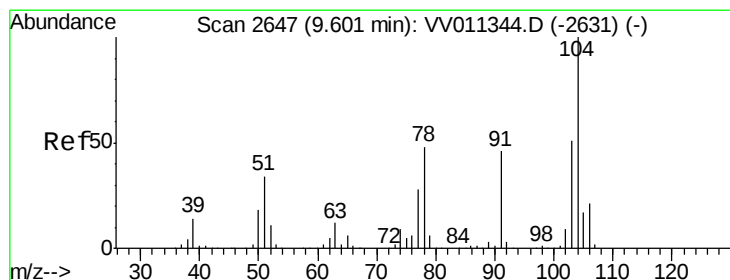
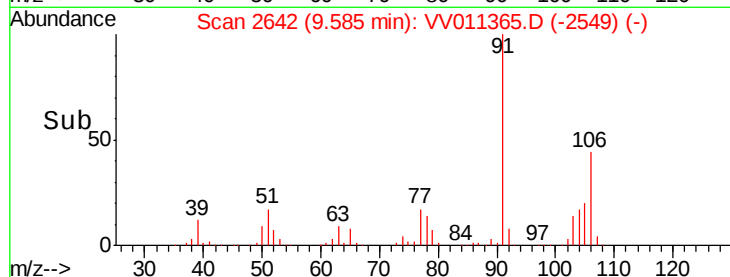
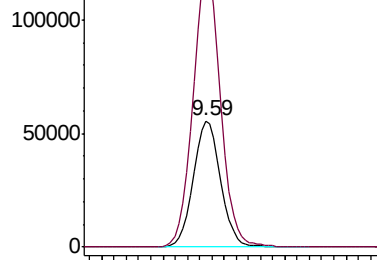
106 100

91 224.7 155.4 288.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.855 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011365.D

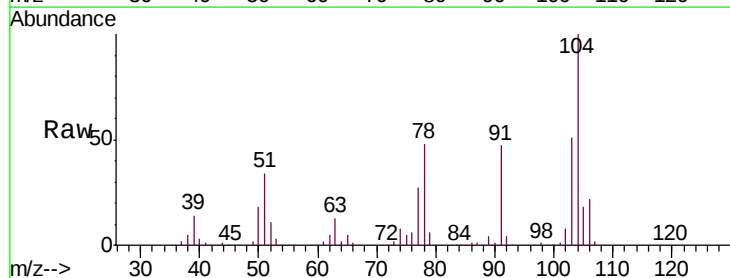
Acq: 10 Jun 2019 23:11

Tgt Ion:104 Resp: 141949

Ion Ratio Lower Upper

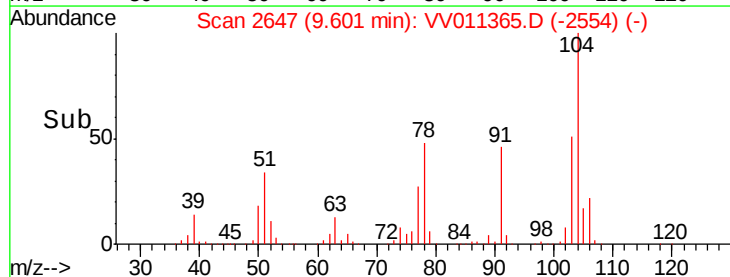
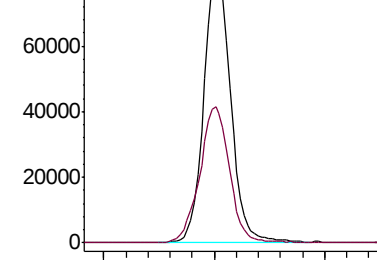
104 100

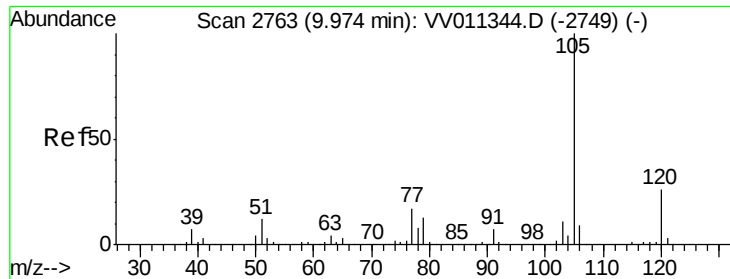
78 48.2 32.4 60.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.617 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

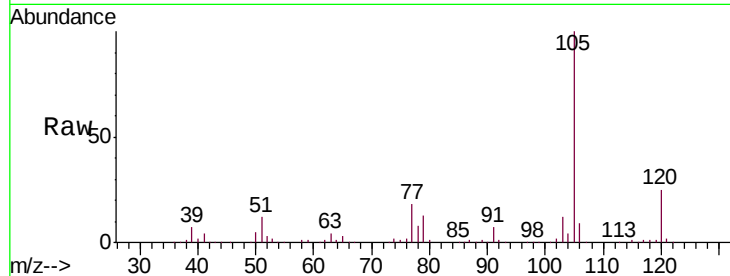
Tgt Ion: 105 Resp: 223074

Ion Ratio Lower Upper

105 100

120 25.4 20.9 31.3

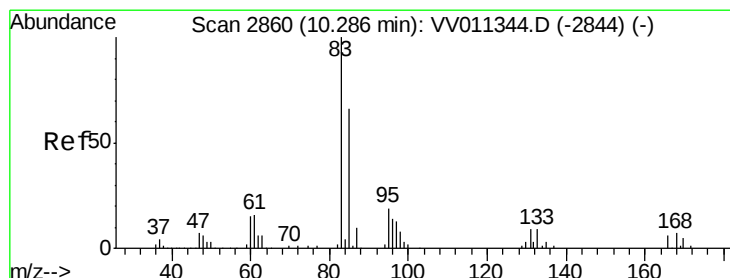
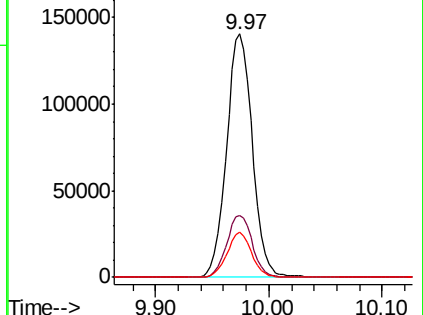
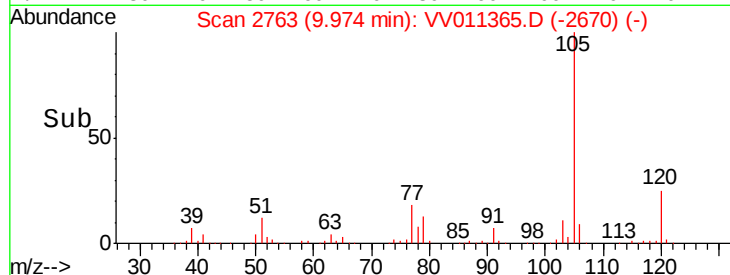
77 17.7 13.8 20.6



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: 5.312 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

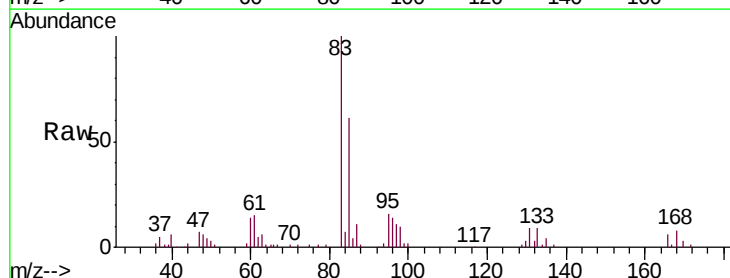
Tgt Ion: 83 Resp: 42875

Ion Ratio Lower Upper

83 100

85 60.5 43.5 80.9

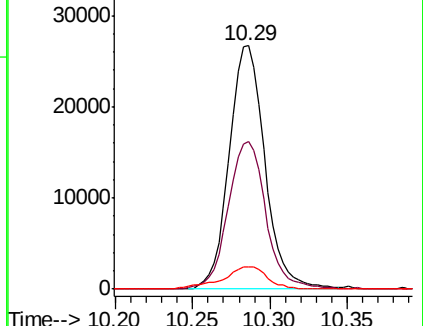
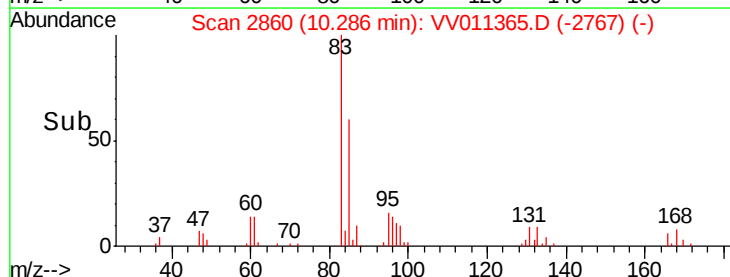
131 9.2 7.5 11.3

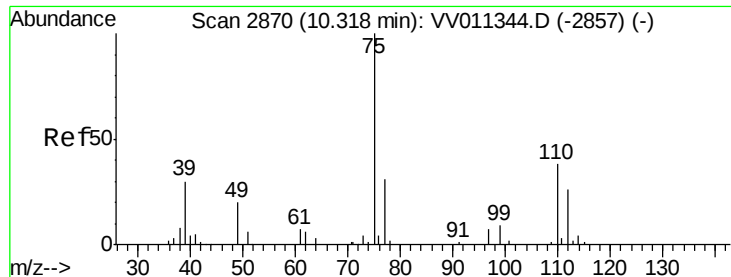


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

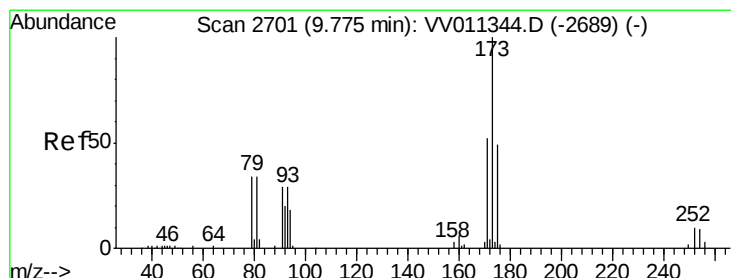
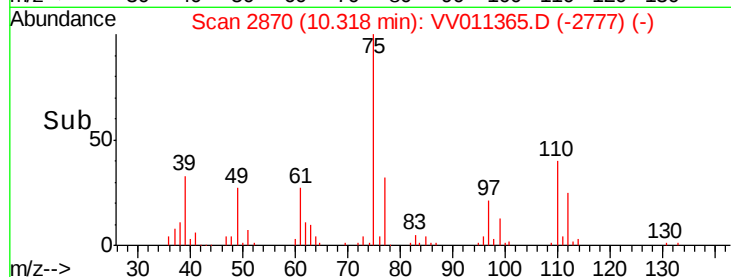
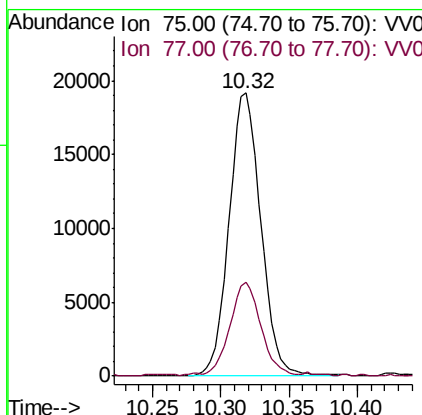
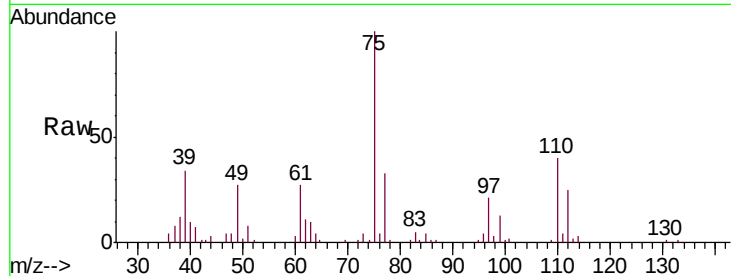




#59
 1,2,3-Trichloropropane
 Concen: 5.132 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

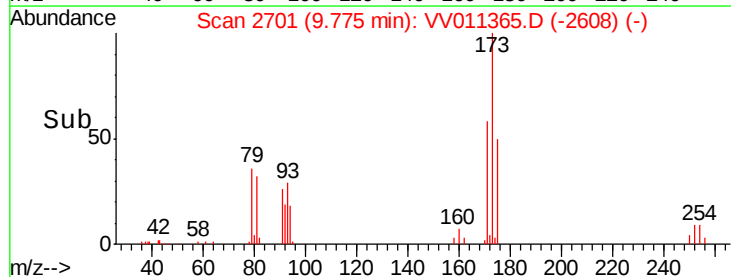
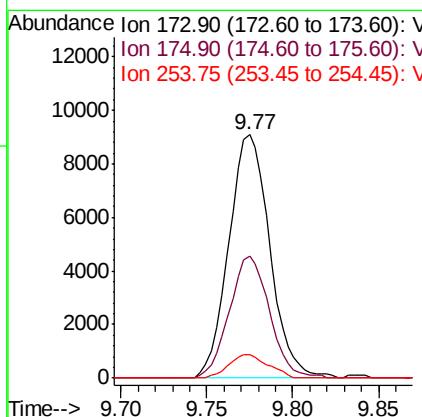
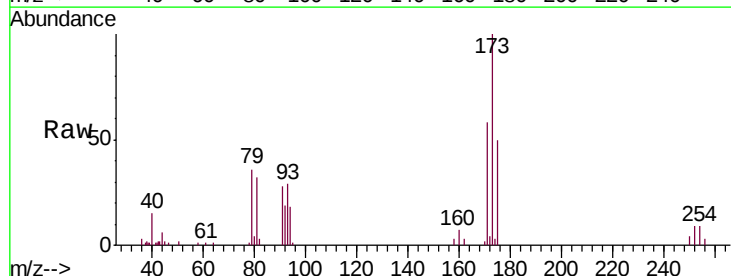
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

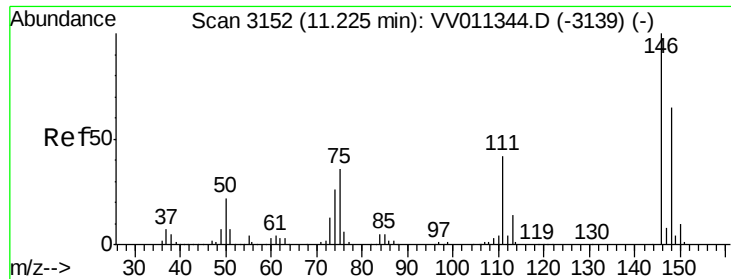
Tgt Ion: 75 Resp: 31132
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.7 40.1



#61
 Bromoform
 Concen: 4.337 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion: 173 Resp: 15083
 Ion Ratio Lower Upper
 173 100
 175 49.0 37.0 55.4
 254 9.2 6.9 10.3

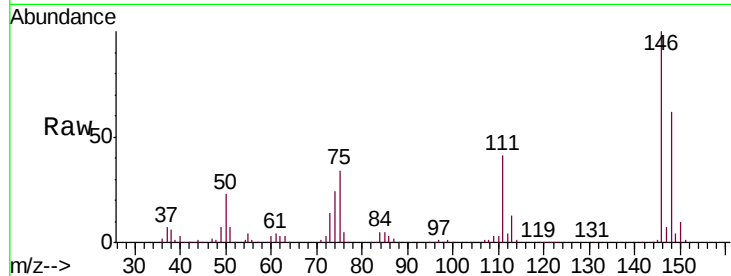




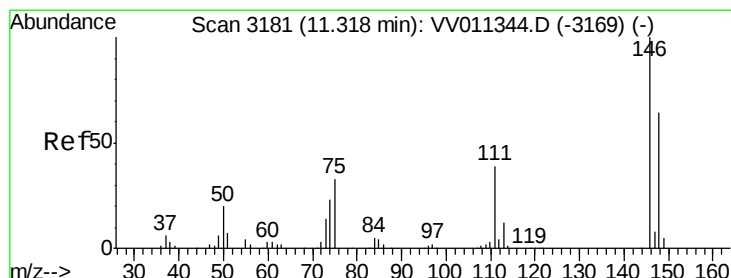
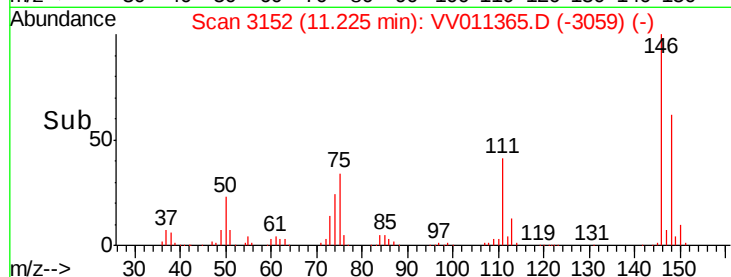
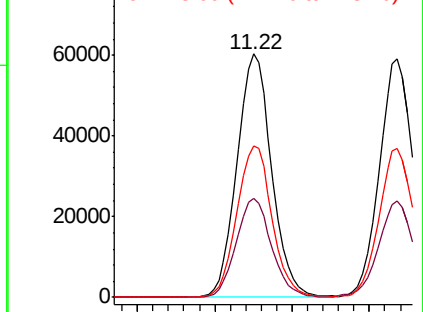
#62
 1,3-Dichlorobenzene
 Concen: 4.908 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00544

Tgt Ion:146 Resp: 93951
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.0 53.9
 148 62.3 44.0 81.8

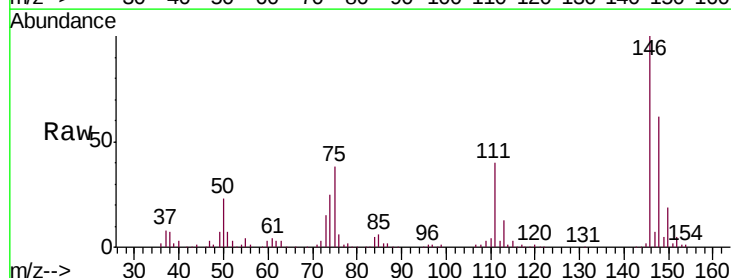


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

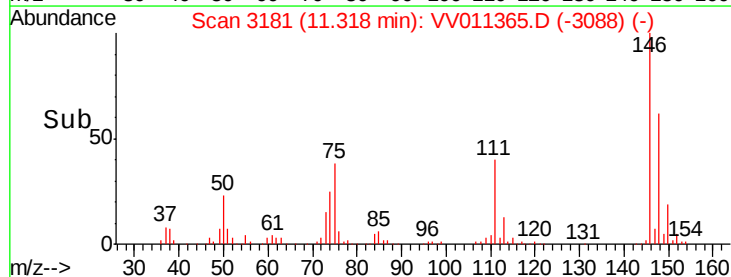
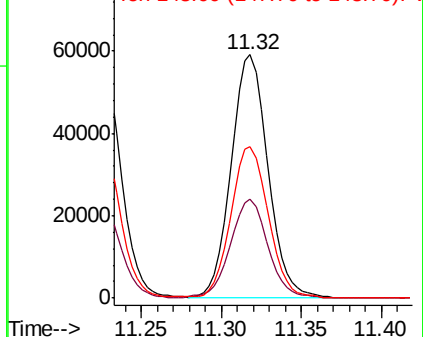


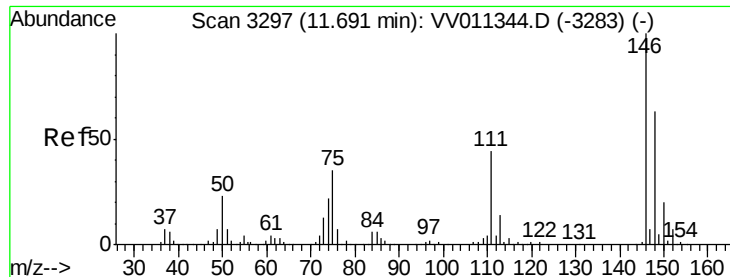
#63
 1,4-Dichlorobenzene
 Concen: 4.983 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion:146 Resp: 92607
 Ion Ratio Lower Upper
 146 100
 111 40.4 28.3 52.5
 148 62.3 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

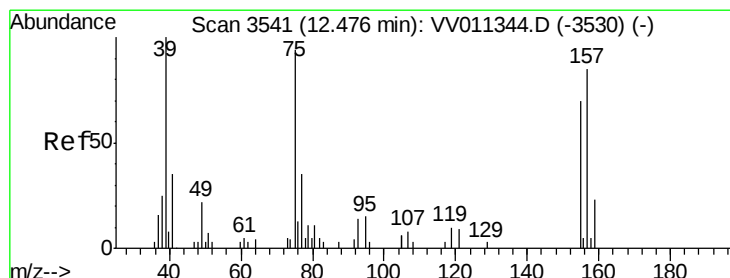
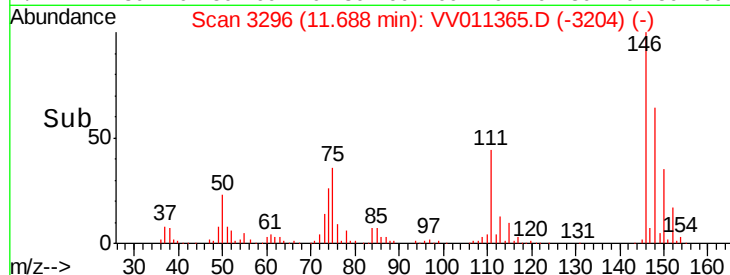
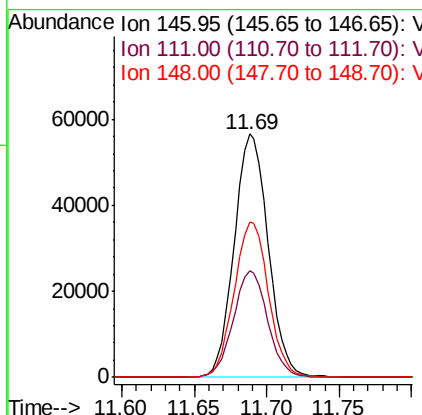
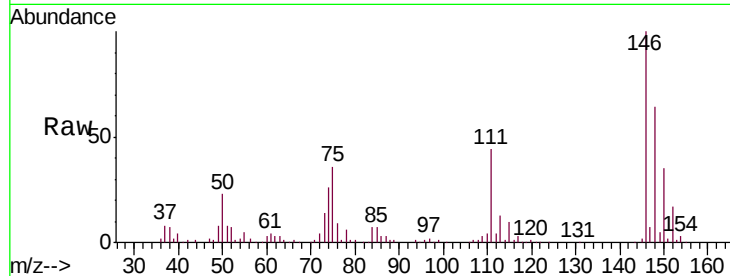




#65
 1,2-Dichlorobenzene
 Concen: 5.207 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

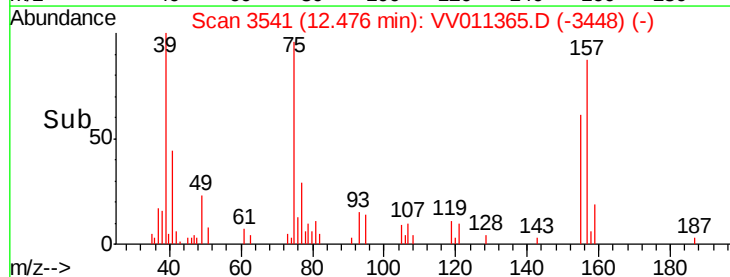
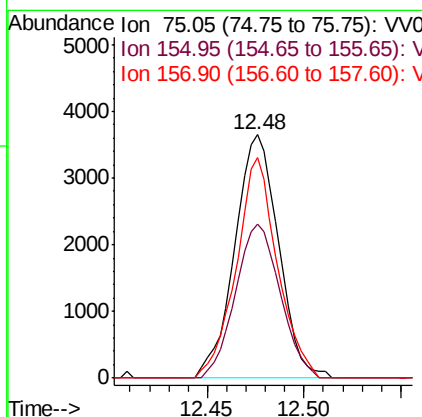
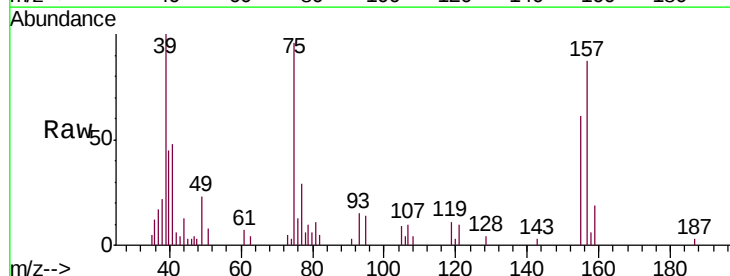
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00544

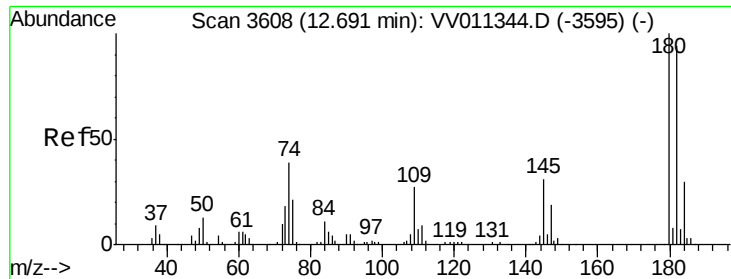
Tgt Ion: 146 Resp: 92142
 Ion Ratio Lower Upper
 146 100
 111 43.7 33.9 50.9
 148 63.5 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.528 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011365.D
 Acq: 10 Jun 2019 23:11

Tgt Ion: 75 Resp: 5741
 Ion Ratio Lower Upper
 75 100
 155 63.2 64.4 96.6#
 157 90.7 66.7 100.1





#67

1,3,5-Trichlorobenzene

Concen: 4.654 ug/L

RT: 12.69 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

Tgt Ion:180 Resp: 64103

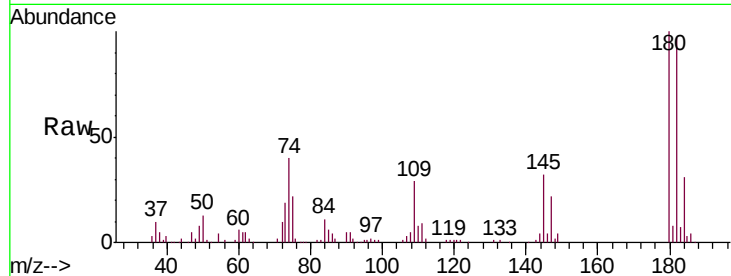
Ion Ratio Lower Upper

180 100

182 98.0 76.7 115.1

184 31.0 23.8 35.8

145 31.8 24.2 36.2

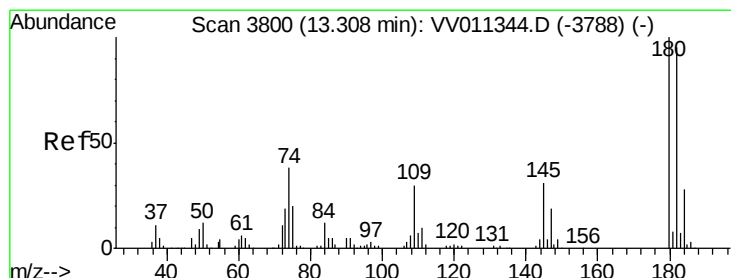
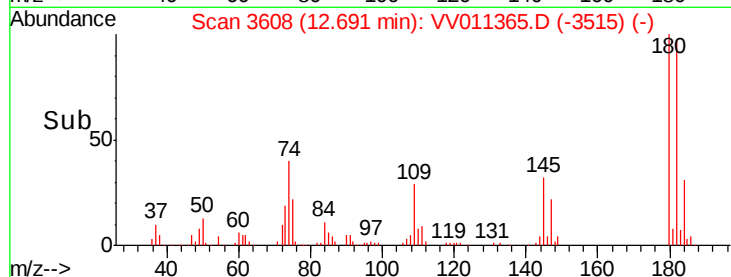
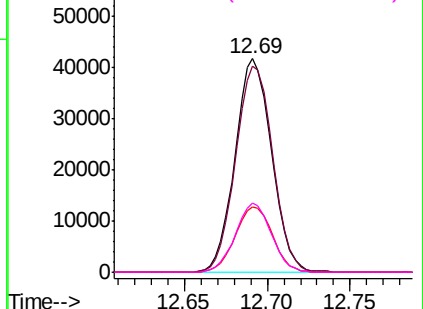


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.742 ug/L

RT: 13.31 min Scan# 3800

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

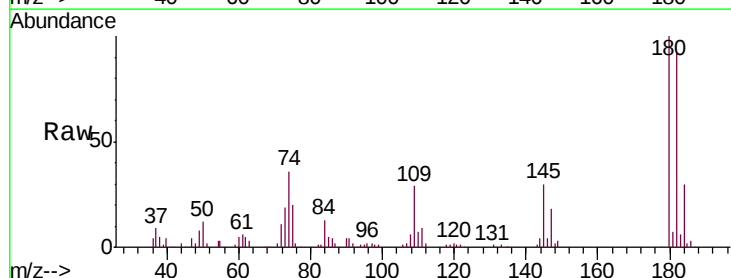
Tgt Ion:180 Resp: 49581

Ion Ratio Lower Upper

180 100

182 95.2 78.8 118.2

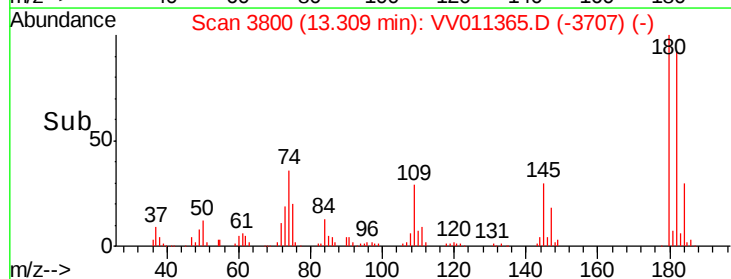
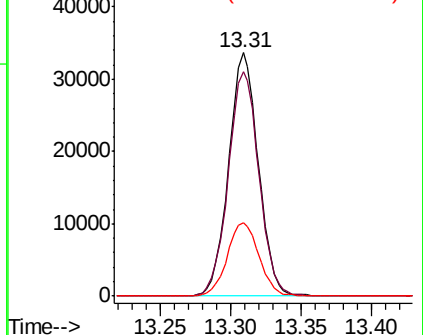
145 32.1 26.3 39.5

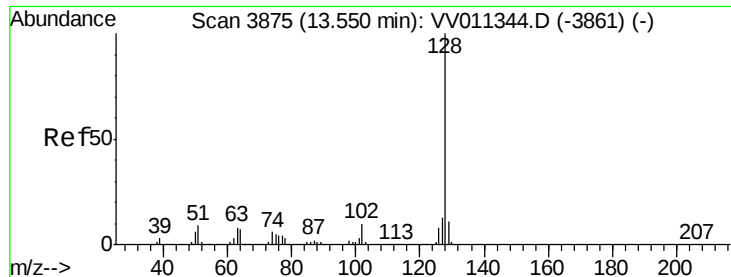


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.050 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

Instrument :

MSVOA_V

ClientSampleId :

VSTD00544

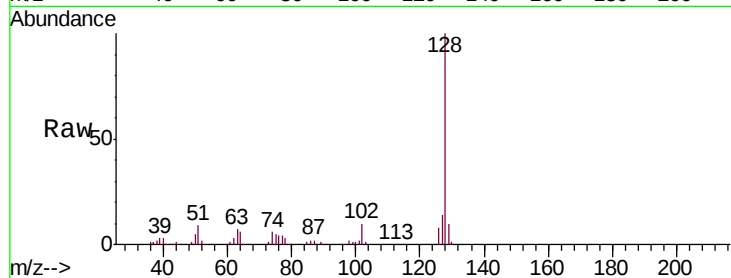
Tgt Ion:128 Resp: 86433

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

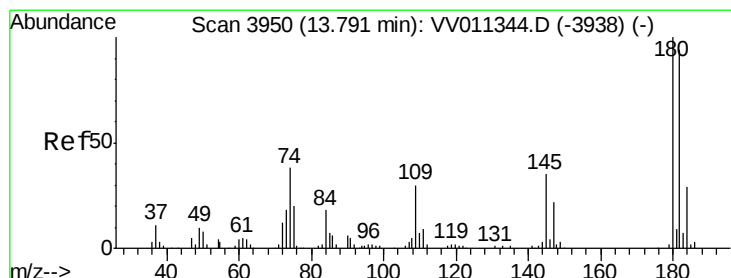
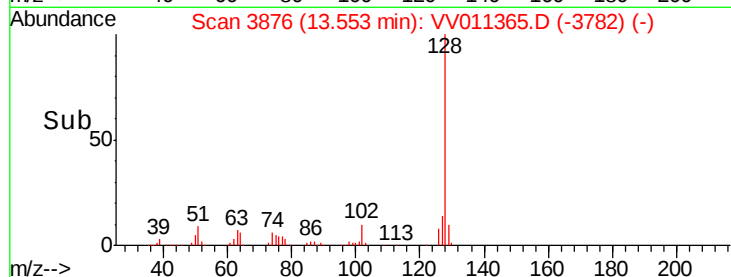
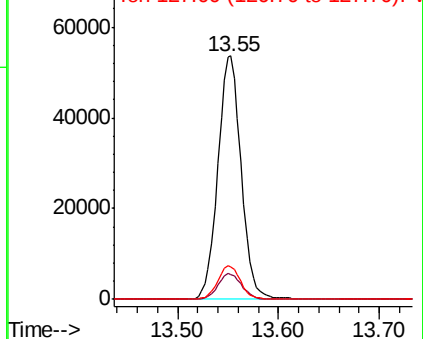
127 13.6 10.5 15.7



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: 4.998 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV011365.D

Acq: 10 Jun 2019 23:11

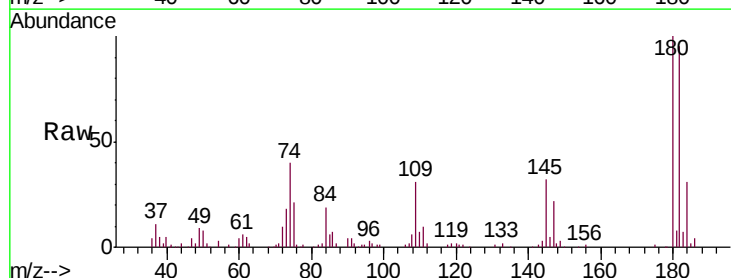
Tgt Ion:180 Resp: 46860

Ion Ratio Lower Upper

180 100

182 95.4 78.6 117.8

145 34.5 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

