

Data File : VV011819.D
Acq On : 02 Jul 2019 22:01
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: Jul 03 08:33:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR070219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 03 08:28:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	166152	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	159330	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	78578	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55930	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.58	69	45483	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.80%
11) 1,1-Dichloroethene-d2	2.13	63	112333	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.80%
20) 2-Butanone-d5	3.94	46	149245	54.05	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.10%
24) Chloroform-d	4.40	84	113955	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
26) 1,2-Dichloroethane-d4	5.08	65	59732	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	218522	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.12	67	66926	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	203243	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
43) trans-1,3-Dichloropropene-	7.66	79	23090	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.13	63	115872	55.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	48360	5.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	69833	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	82519	5.204 ug/L	98
3) Chloromethane	1.25	50	80783	5.122 ug/L	97
5) Vinyl chloride	1.32	62	77679	5.235 ug/L	98
6) Bromomethane	1.53	94	41470	5.331 ug/L	100
8) Chloroethane	1.60	64	45337	5.353 ug/L	97
9) Trichlorofluoromethane	1.77	101	105034	5.379 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	56571	5.197 ug/L	99
12) 1,1-Dichloroethene	2.14	96	52428	5.214 ug/L	96
13) Acetone	2.19	43	95616	50.557 ug/L	99
14) Carbon disulfide	2.32	76	141647	5.240 ug/L	100
15) Methyl Acetate	2.46	43	24396	4.641 ug/L	93
16) Methylene chloride	2.53	84	57905	4.817 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	137790	5.262 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	58717	5.158 ug/L	95
19) 1,1-Dichloroethane	3.23	63	117513	5.210 ug/L	98
21) 2-Butanone	4.03	43	163823	53.033 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	64416	5.302 ug/L	99

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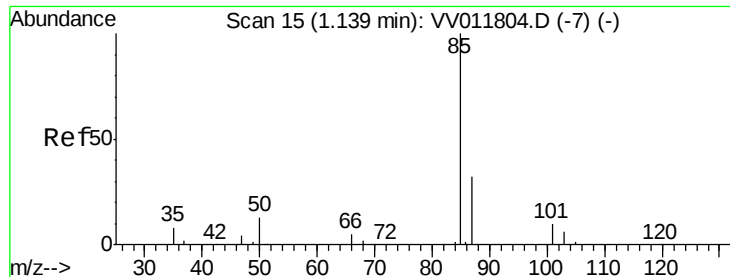
Quant Time: Jul 03 08:33:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25553	5.063	ug/L	92
25) Chloroform	4.43	83	122063	5.050	ug/L	95
27) 1,2-Dichloroethane	5.18	62	77451	5.187	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	99598	5.326	ug/L	98
30) Cyclohexane	4.73	56	104384	5.230	ug/L	99
31) Carbon tetrachloride	4.88	117	86020	5.363	ug/L	98
33) Benzene	5.15	78	258305	5.446	ug/L	100
34) Trichloroethene	5.96	95	64412	5.219	ug/L	96
35) Methylcyclohexane	6.18	83	105192	5.208	ug/L	99
37) 1,2-Dichloropropane	6.22	63	64125	5.279	ug/L	100
38) Bromodichloromethane	6.56	83	75252	5.314	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	80537	4.971	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	407643	54.202	ug/L	99
42) Toluene	7.43	91	275245	5.493	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	65079	5.205	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	41990	5.388	ug/L	98
47) Tetrachloroethene	8.02	164	51174	5.269	ug/L	95
48) 2-Hexanone	8.18	43	291307	54.870	ug/L	100
49) Dibromochloromethane	8.29	129	44520	5.381	ug/L	94
50) 1,2-Dibromoethane	8.40	107	39299	5.430	ug/L	95
51) Chlorobenzene	8.92	112	170133	5.377	ug/L	98
52) Ethylbenzene	9.05	91	300413	5.393	ug/L	98
53) m,p-xylene	9.18	106	111781	5.487	ug/L	99
54) o-xylene	9.59	106	106656	5.433	ug/L	98
55) Styrene	9.60	104	181908	5.555	ug/L	99
56) Isopropylbenzene	9.97	105	289619	5.452	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	49641	5.202	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	36783	5.233	ug/L	96
61) Bromoform	9.77	173	21059	5.023	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	123847	5.095	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	129126	5.201	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	118780	5.173	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	7290	5.006	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	97921	5.206	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	79319	5.223	ug/L	99
69) Naphthalene	13.55	128	126391	5.226	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	73332	5.210	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 5.204 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

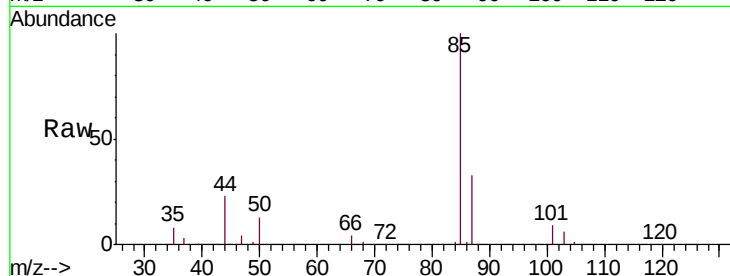
VSTD00555

Tgt Ion: 85 Resp: 82519

Ion Ratio Lower Upper

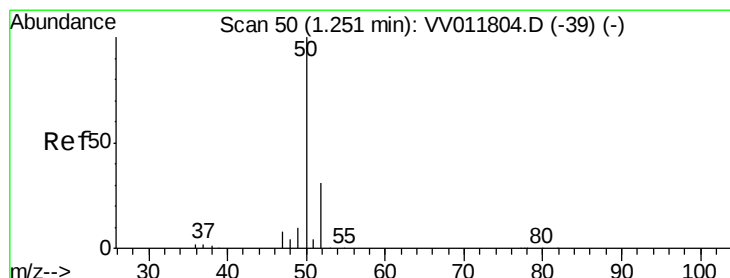
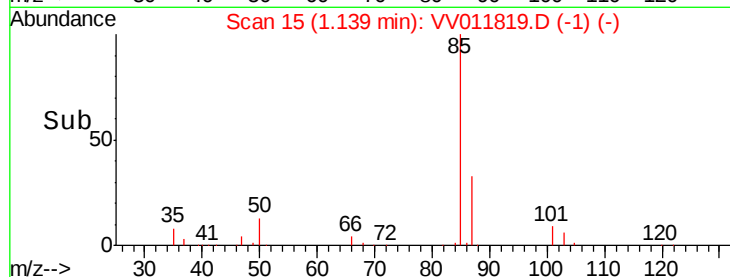
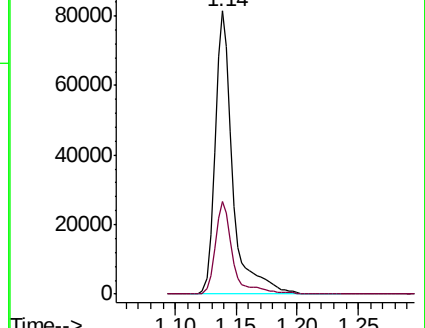
85 100

87 32.8 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV011804.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011804.D (-7) (-)



#3

Chloromethane

Concen: 5.122 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011819.D

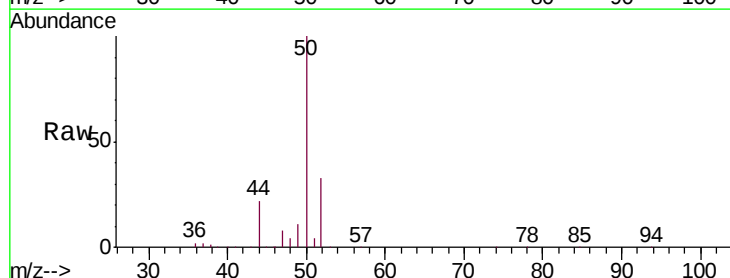
Acq: 02 Jul 2019 22:01

Tgt Ion: 50 Resp: 80783

Ion Ratio Lower Upper

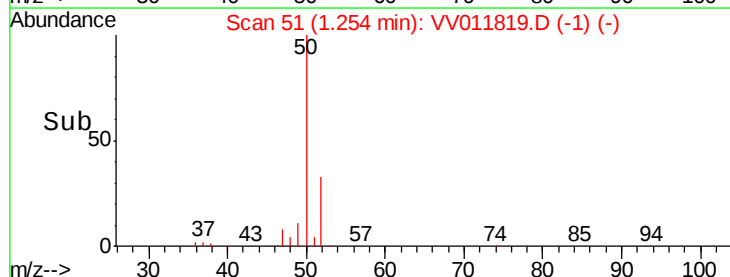
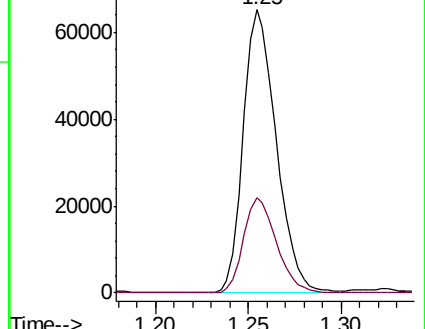
50 100

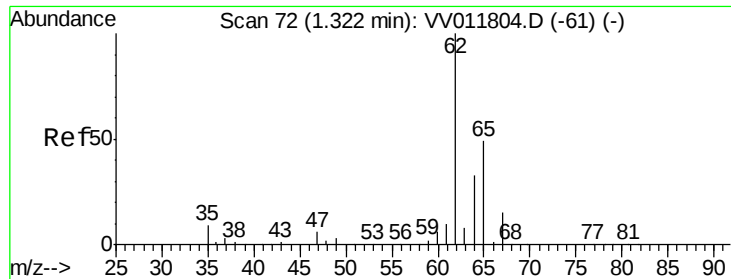
52 33.4 22.3 41.3



Abundance Ion 50.05 (49.75 to 50.75): VV011804.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV011804.D (-39) (-)





#5

Vinyl chloride

Concen: 5.235 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

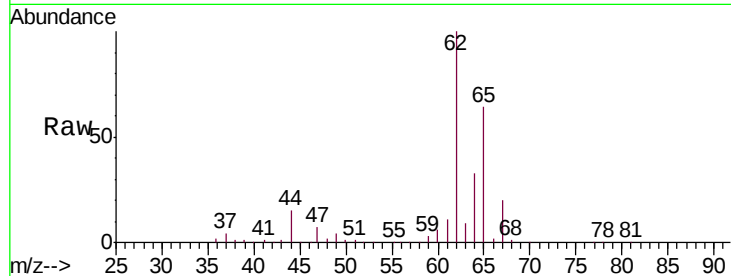
VSTD00555

Tgt Ion: 62 Resp: 77679

Ion Ratio Lower Upper

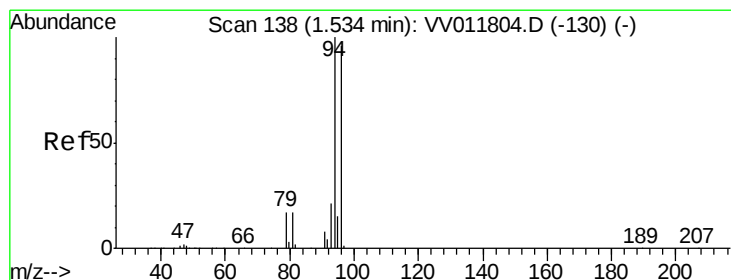
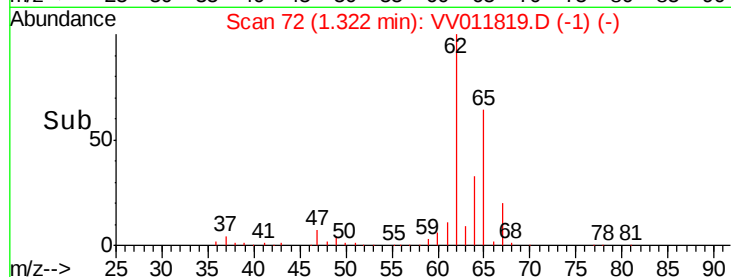
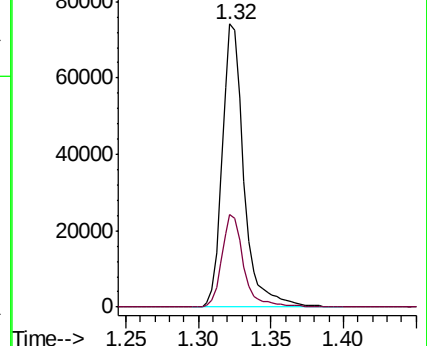
62 100

64 32.6 23.7 43.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.331 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011819.D

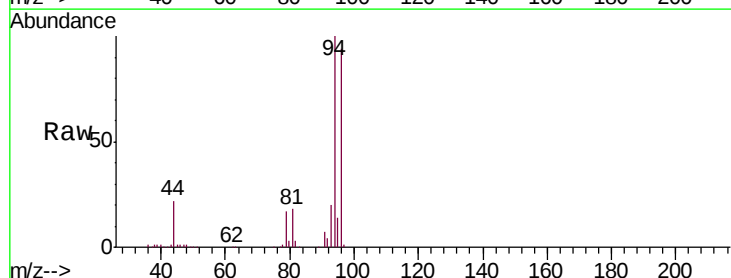
Acq: 02 Jul 2019 22:01

Tgt Ion: 94 Resp: 41470

Ion Ratio Lower Upper

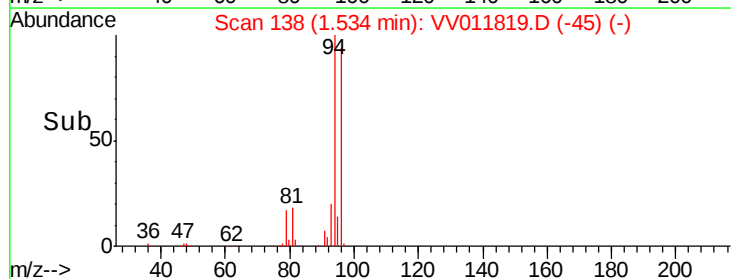
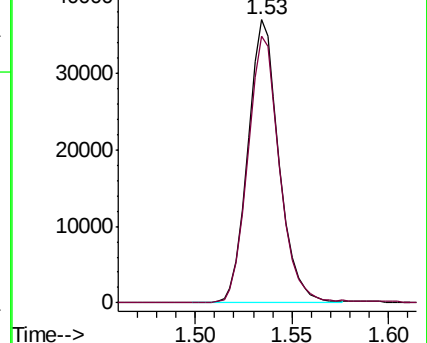
94 100

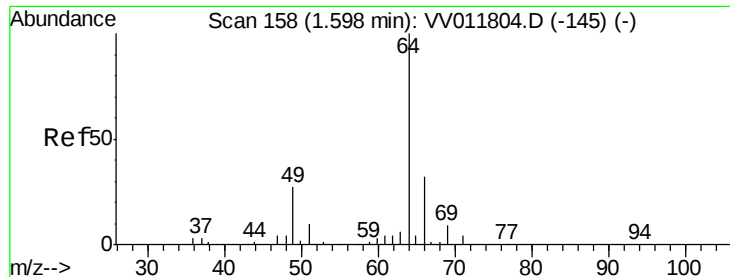
96 94.2 65.9 122.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.353 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

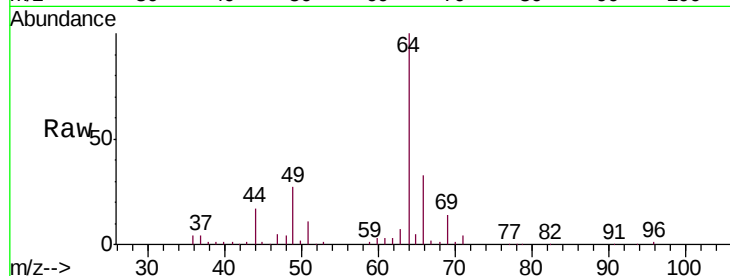
VSTD00555

Tgt Ion: 64 Resp: 45337

Ion Ratio Lower Upper

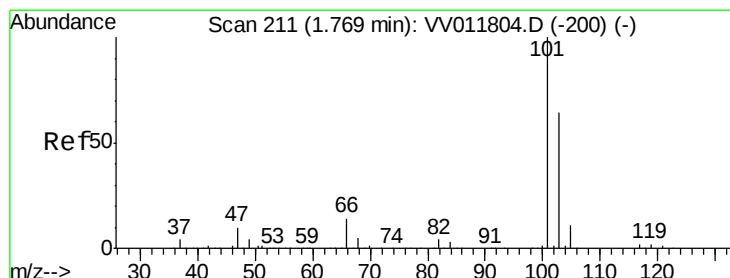
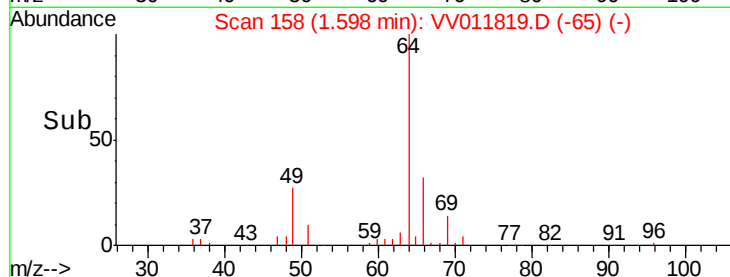
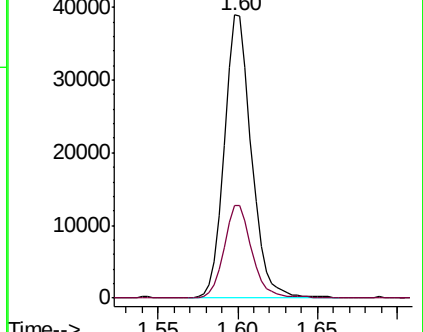
64 100

66 32.7 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011819.D (-145) (-)

Ion 66.05 (65.75 to 66.75): VV011819.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 5.379 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011819.D

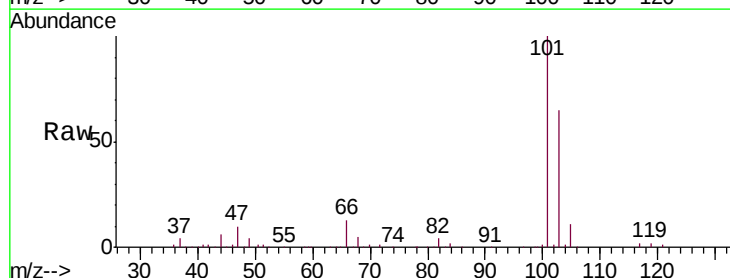
Acq: 02 Jul 2019 22:01

Tgt Ion: 101 Resp: 105034

Ion Ratio Lower Upper

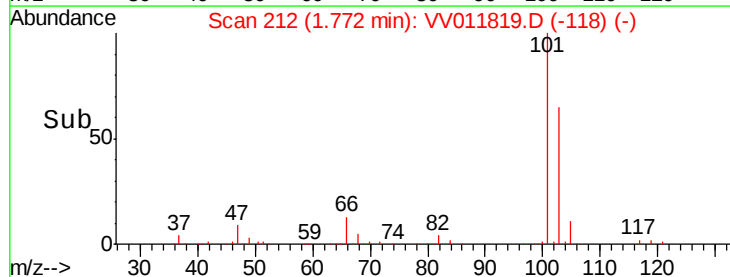
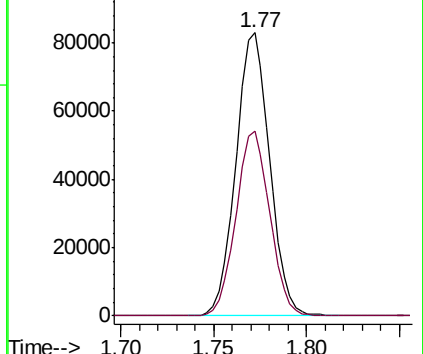
101 100

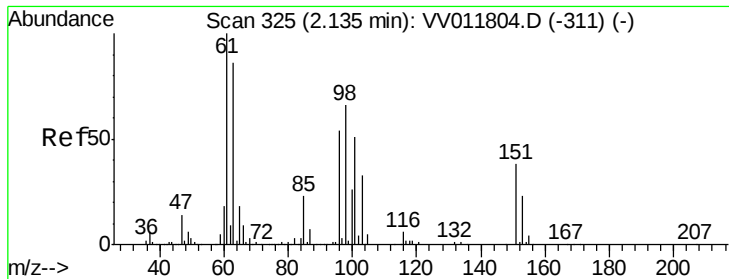
103 65.7 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): VV011819.D (-118) (-)

Ion 103.00 (102.70 to 103.70): VV011819.D (-118) (-)





#10

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

Concen: 5.197 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

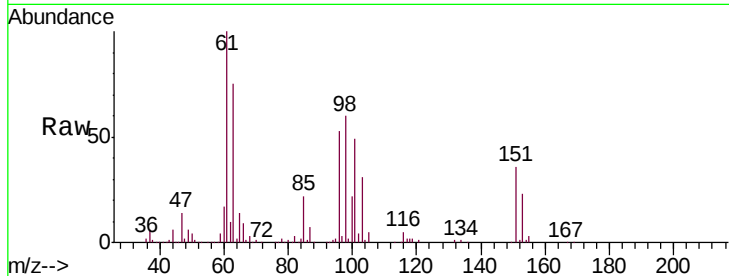
Tgt Ion: 101 Resp: 56571

Ion Ratio Lower Upper

101 100

85 44.3 34.8 52.2

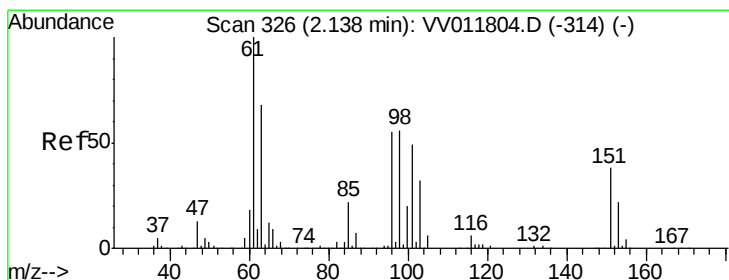
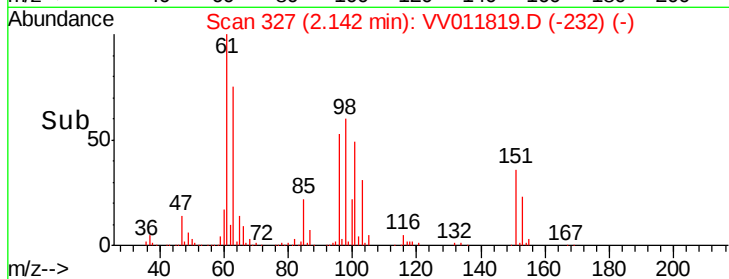
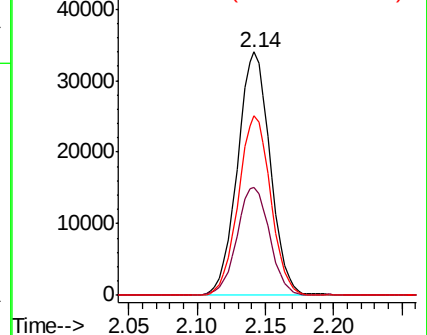
151 73.0 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.214 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

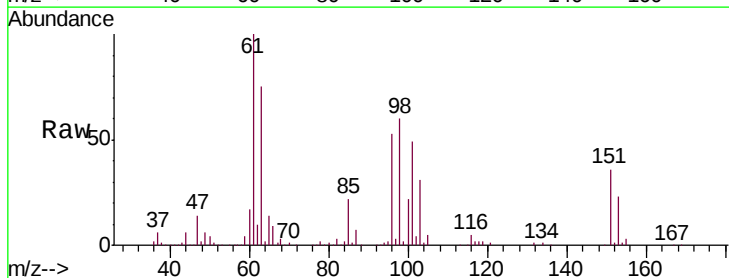
Tgt Ion: 96 Resp: 52428

Ion Ratio Lower Upper

96 100

61 189.0 137.1 254.5

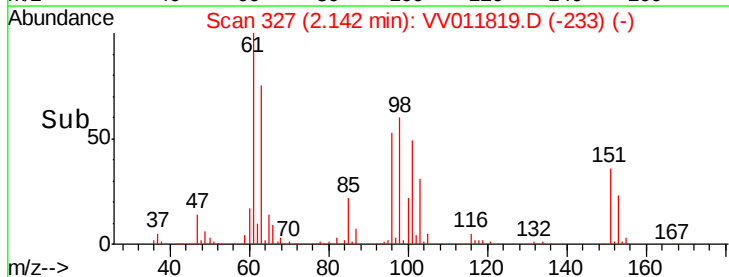
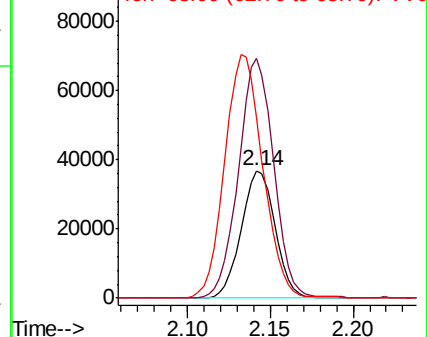
63 142.0 96.5 179.1

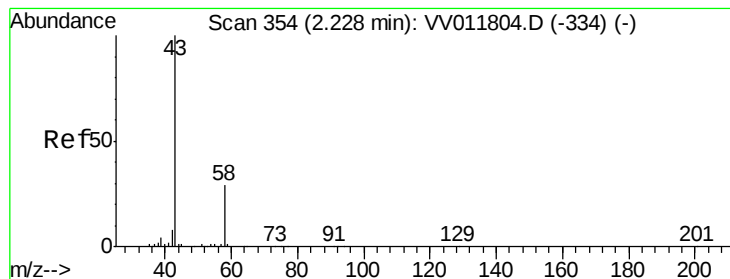


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 50.557 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.04 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

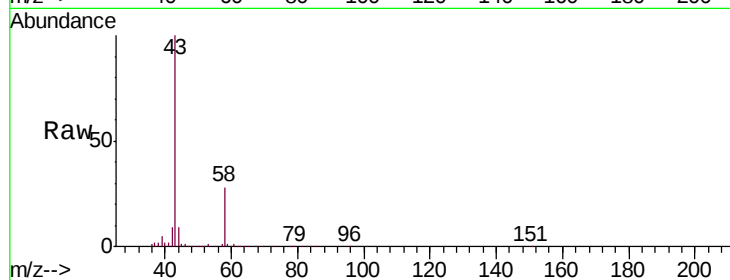
VSTD00555

Tgt Ion: 43 Resp: 95616

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.0

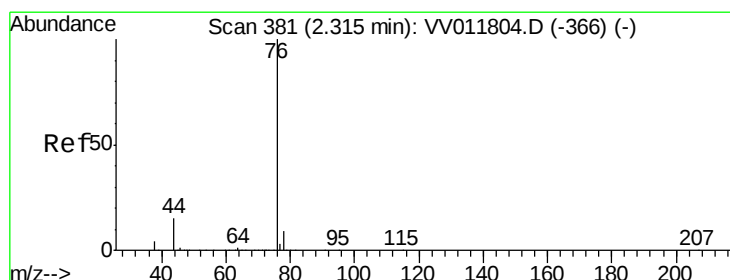
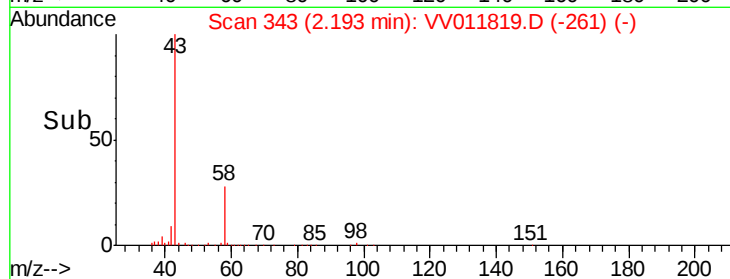


Abundance Ion 43.05 (42.75 to 43.75): VV011819.D (-343) (-)

Ion 58.05 (57.75 to 58.75): VV011819.D (-343) (-)

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 5.240 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011819.D

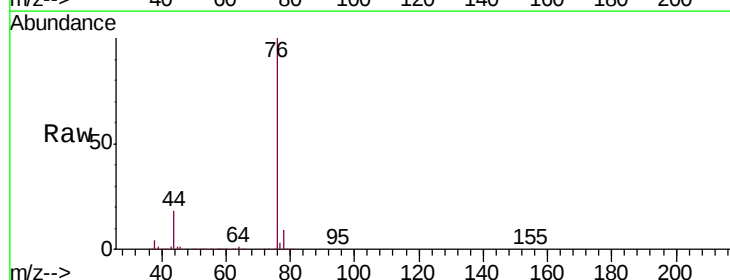
Acq: 02 Jul 2019 22:01

Tgt Ion: 76 Resp: 141647

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

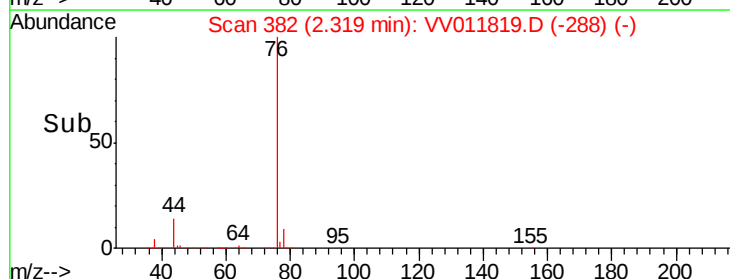


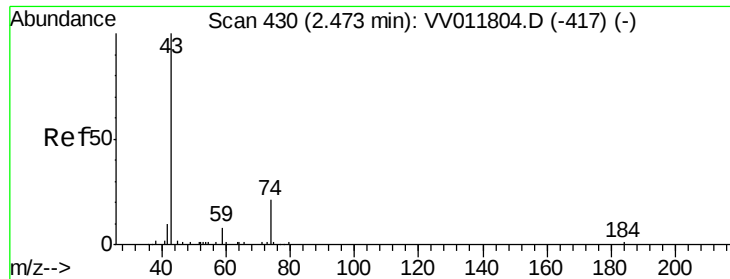
Abundance Ion 76.05 (75.75 to 76.75): VV011819.D (-382) (-)

Ion 78.00 (77.70 to 78.70): VV011819.D (-382) (-)

Time-->

2.25 2.30 2.35 2.40

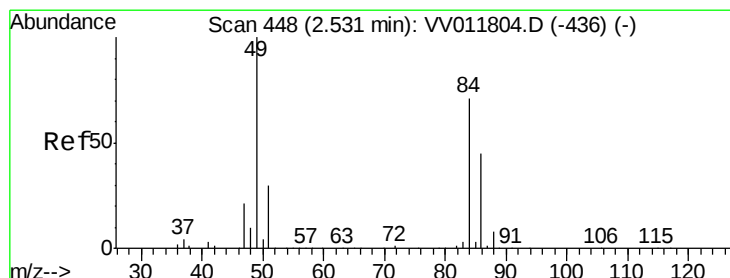
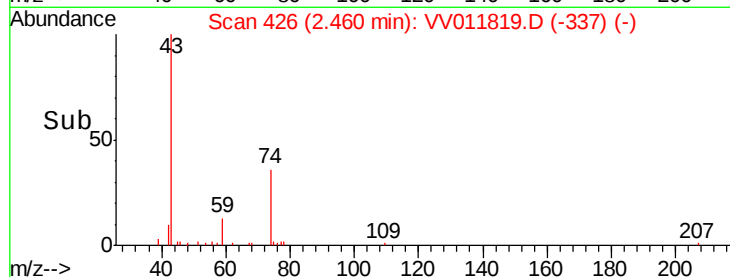
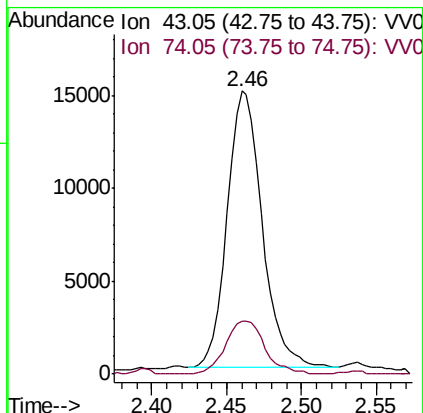
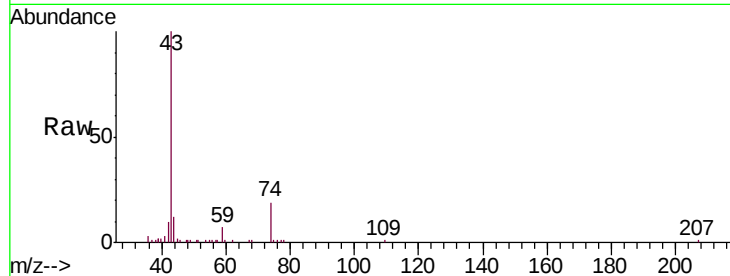




#15
Methyl Acetate
Concen: 4.641 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.01 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

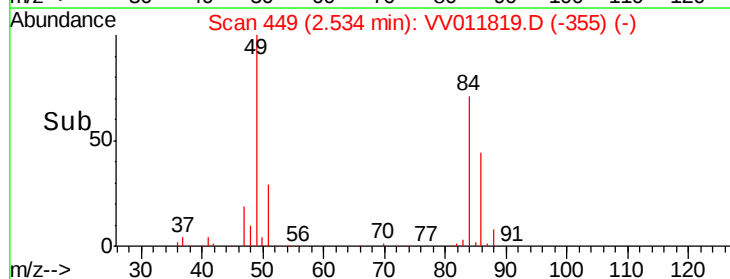
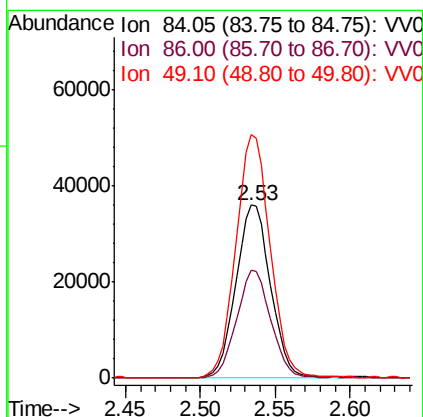
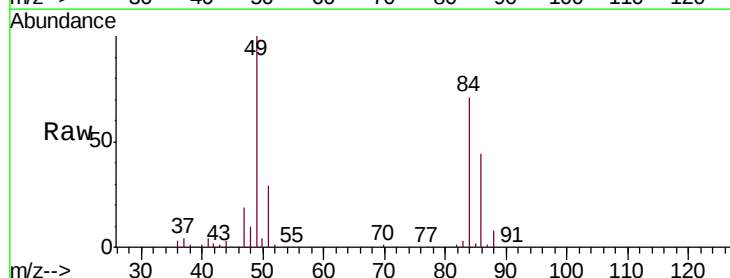
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

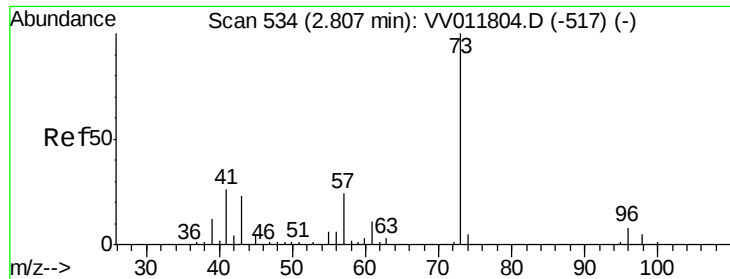
Tgt Ion: 43 Resp: 24396
Ion Ratio Lower Upper
43 100
74 21.5 20.2 30.4



#16
Methylene chloride
Concen: 4.817 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Tgt Ion: 84 Resp: 57905
Ion Ratio Lower Upper
84 100
86 62.2 44.5 82.7
49 141.0 97.2 180.6

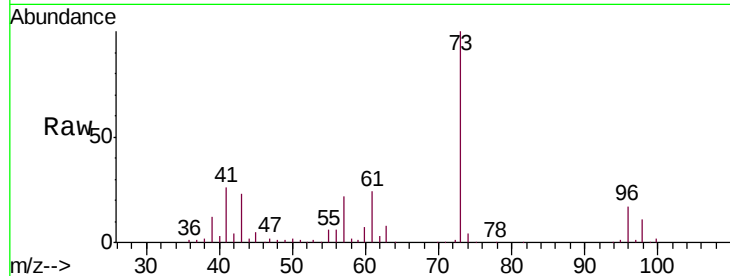




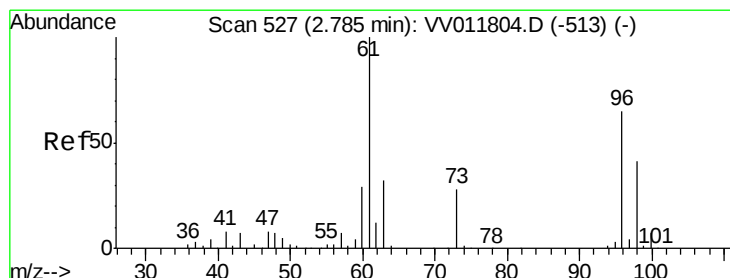
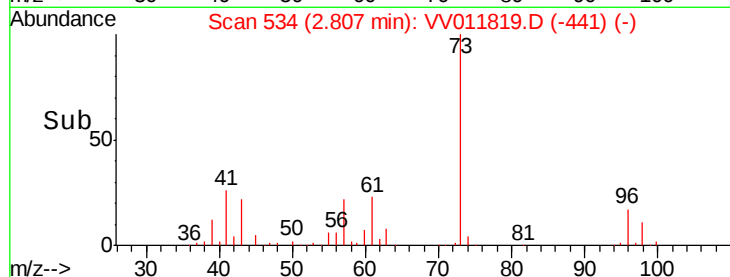
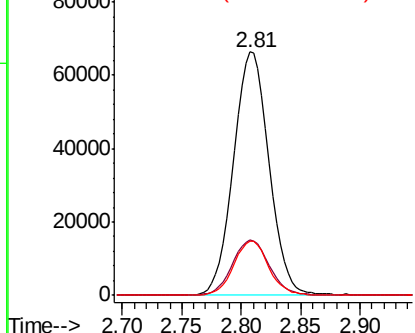
#17
Methyl tert-butyl Ether
Concen: 5.262 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Tgt Ion: 73 Resp: 137790
Ion Ratio Lower Upper
73 100
43 23.1 17.6 26.4
57 22.1 17.8 26.6

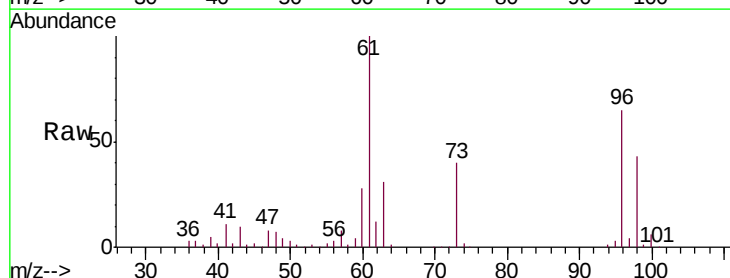


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

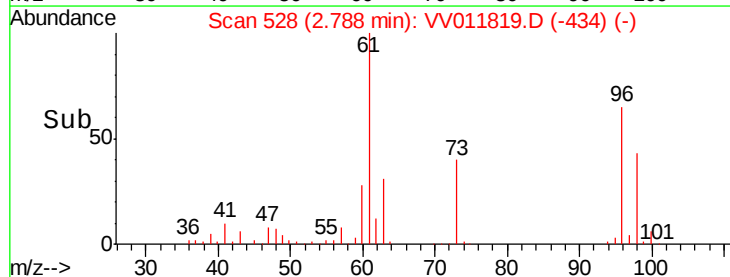
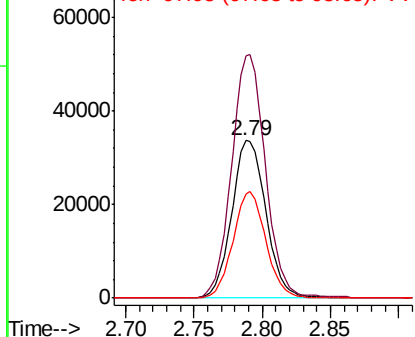


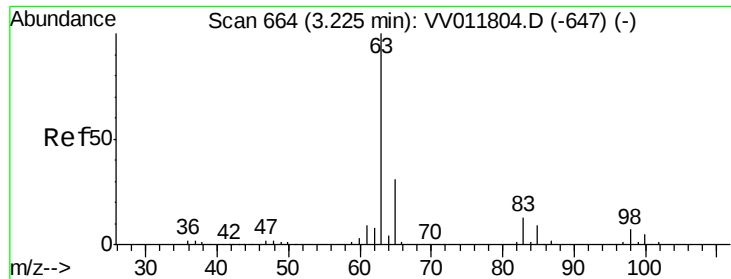
#18
trans-1,2-Dichloroethene
Concen: 5.158 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Tgt Ion: 96 Resp: 58717
Ion Ratio Lower Upper
96 100
61 153.4 102.3 189.9
98 66.1 44.2 82.2



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

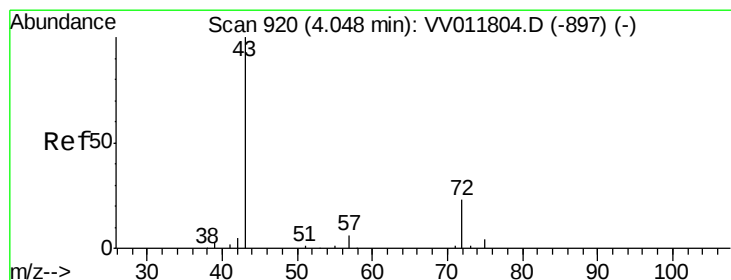
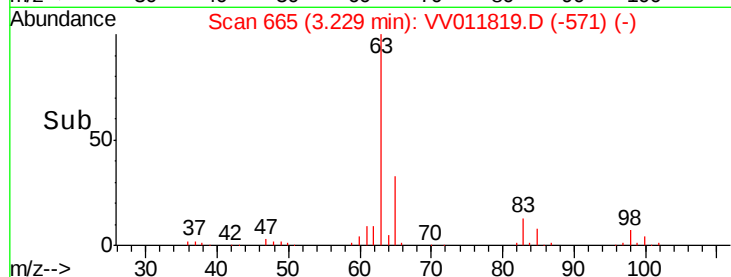
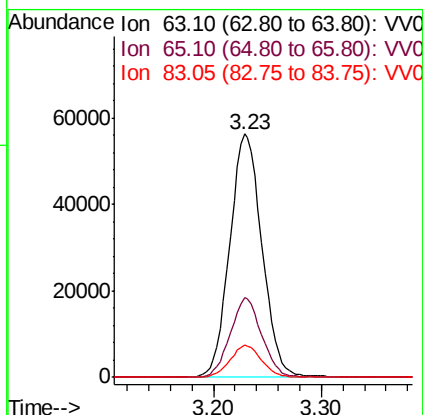
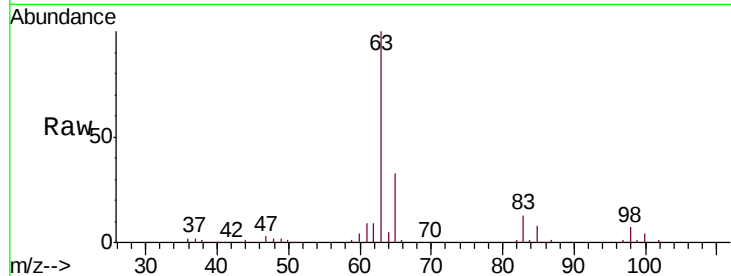




#19
 1,1-Dichloroethane
 Concen: 5.210 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

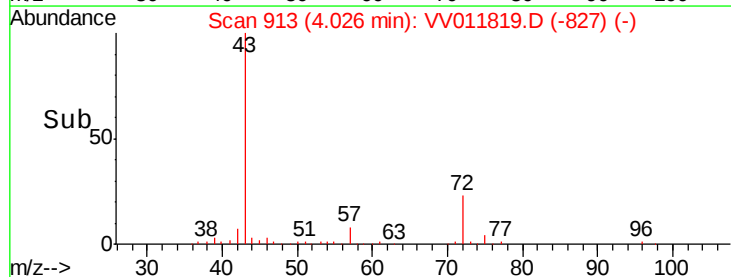
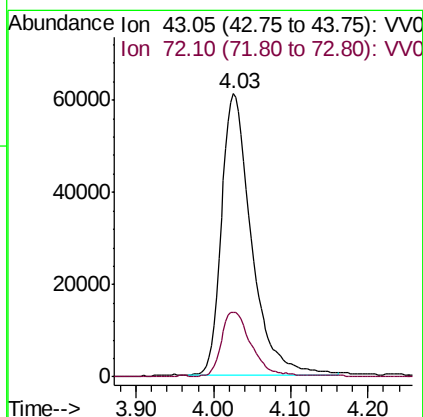
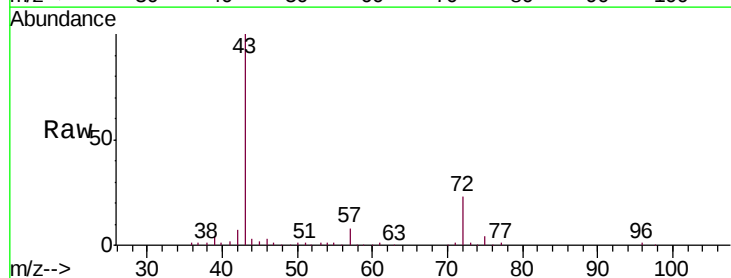
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

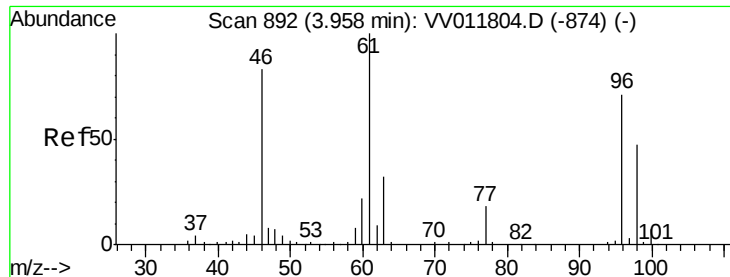
Tgt Ion: 63 Resp: 117513
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.0 41.0
 83 13.1 8.9 16.5



#21
 2-Butanone
 Concen: 53.033 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion: 43 Resp: 163823
 Ion Ratio Lower Upper
 43 100
 72 23.5 12.1 36.3



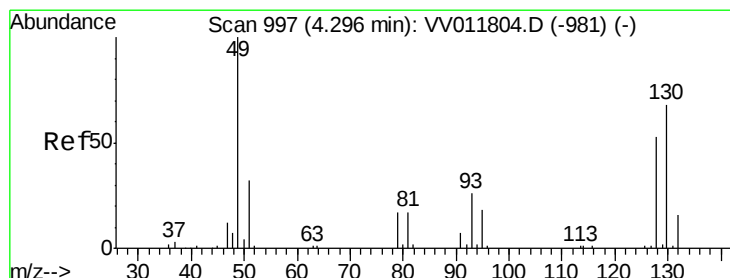
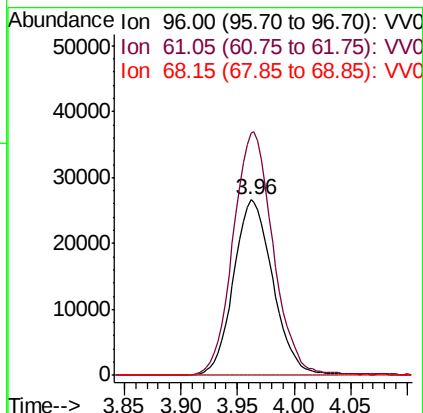
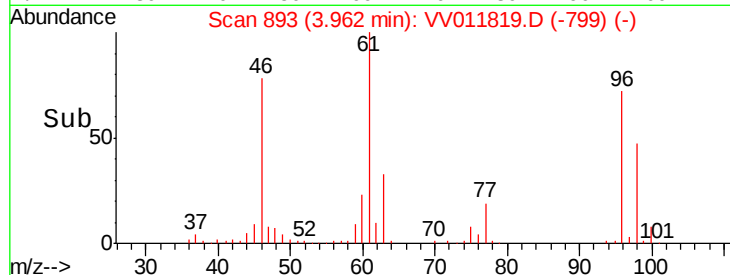
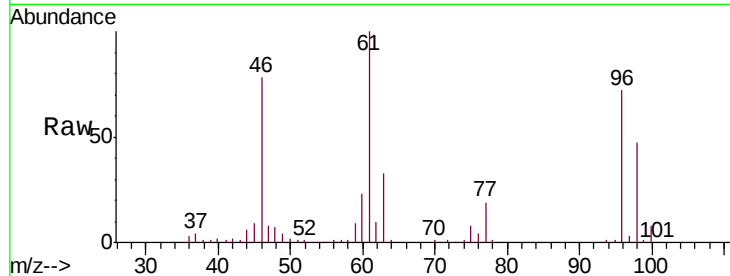


#22

cis-1,2-Dichloroethene
 Concen: 5.302 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

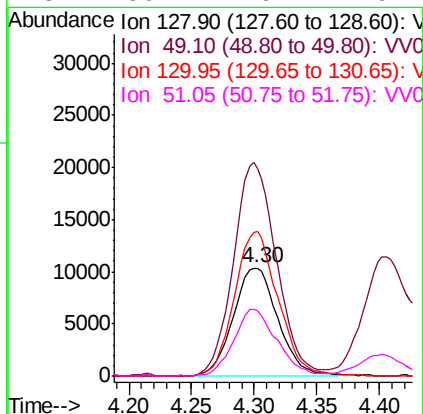
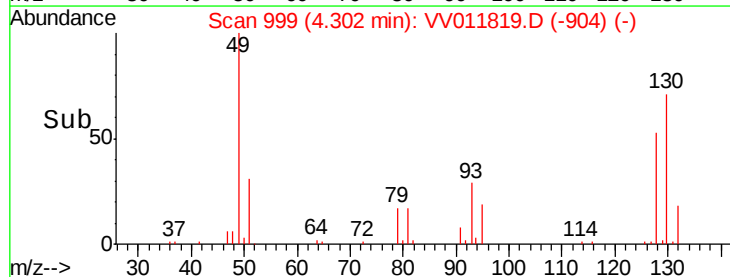
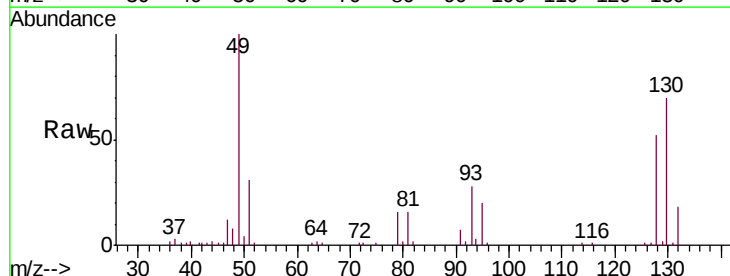
Tgt Ion: 96 Resp: 64416
 Ion Ratio Lower Upper
 96 100
 61 138.1 97.1 180.3
 68 0.0 0.0 0.0

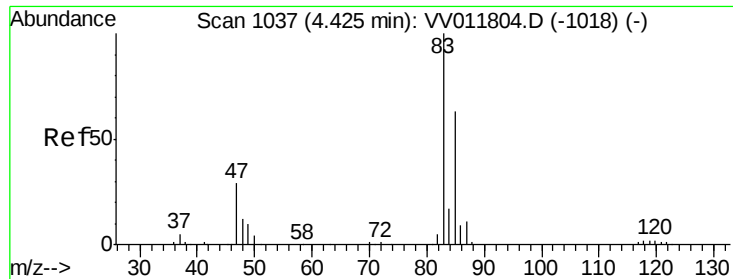


#23

Bromochloromethane
 Concen: 5.063 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion: 128 Resp: 25553
 Ion Ratio Lower Upper
 128 100
 49 192.9 125.6 233.2
 130 134.2 87.7 162.9
 51 60.2 46.7 70.1

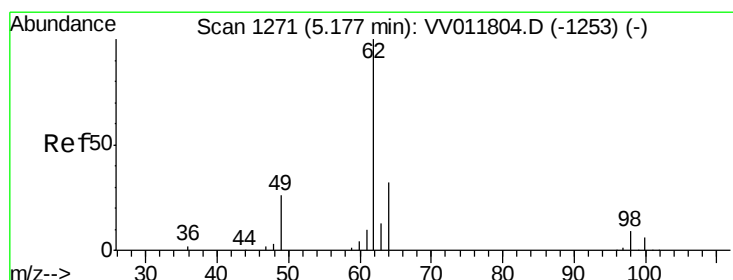
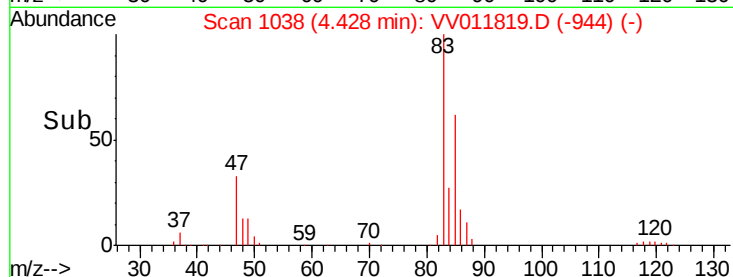
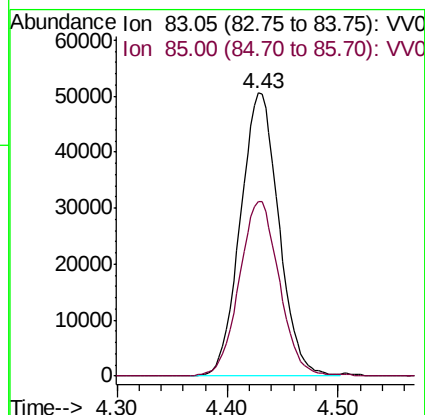
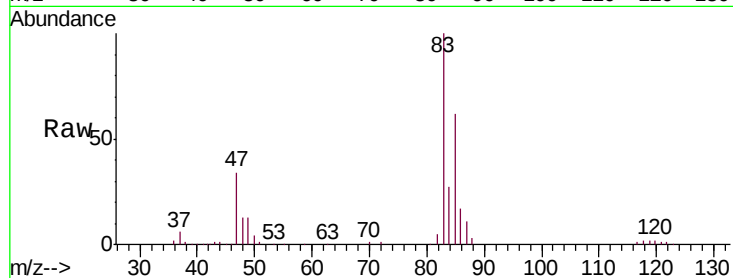




#25
 Chloroform
 Concen: 5.050 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

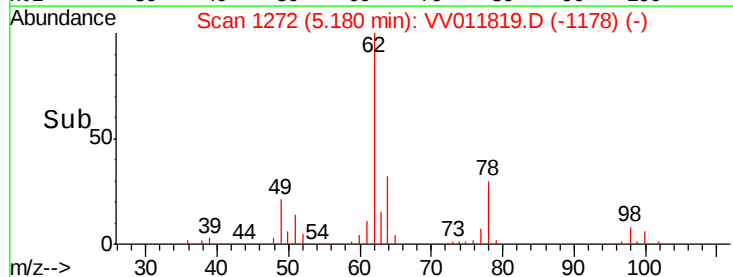
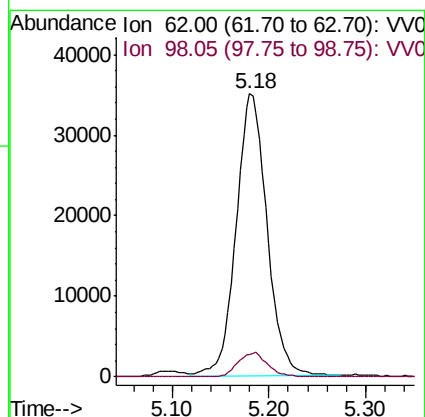
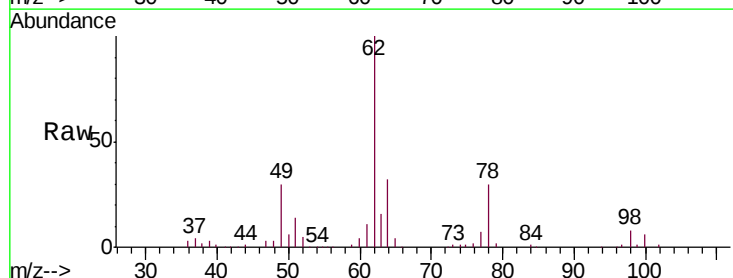
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

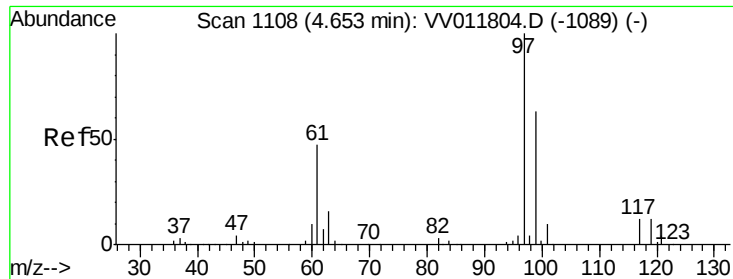
Tgt Ion: 83 Resp: 122063
 Ion Ratio Lower Upper
 83 100
 85 61.8 45.9 85.3



#27
 1,2-Dichloroethane
 Concen: 5.187 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion: 62 Resp: 77451
 Ion Ratio Lower Upper
 62 100
 98 8.1 6.6 9.8

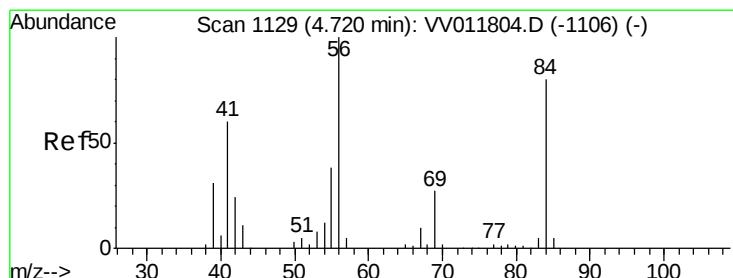
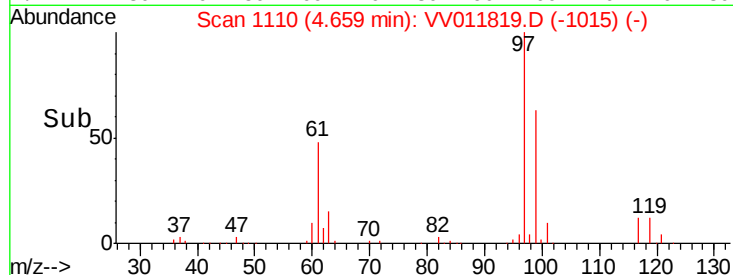
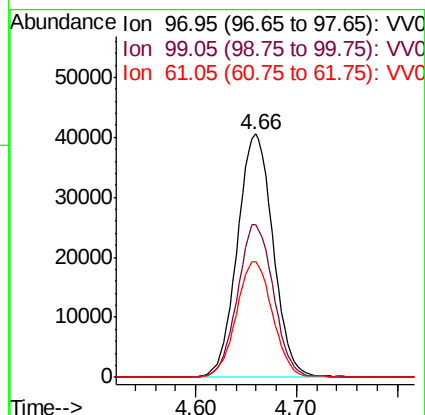
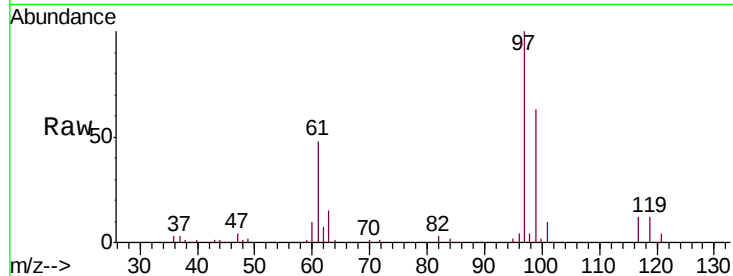




#29
 1,1,1-Trichloroethane
 Concen: 5.326 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.01 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

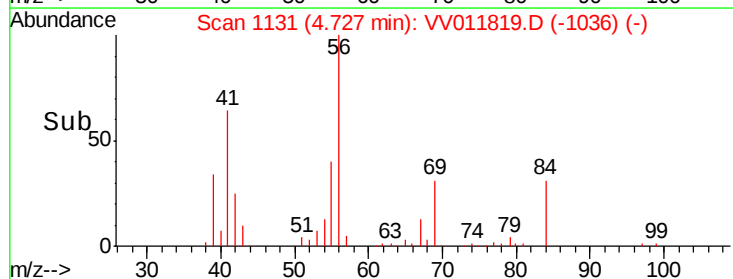
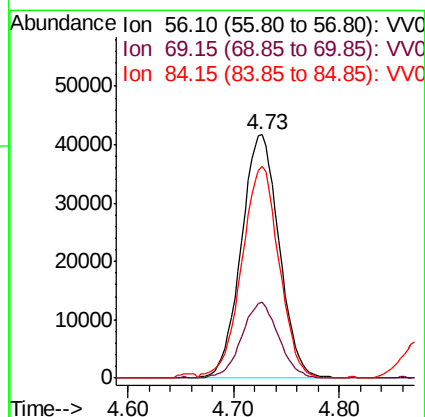
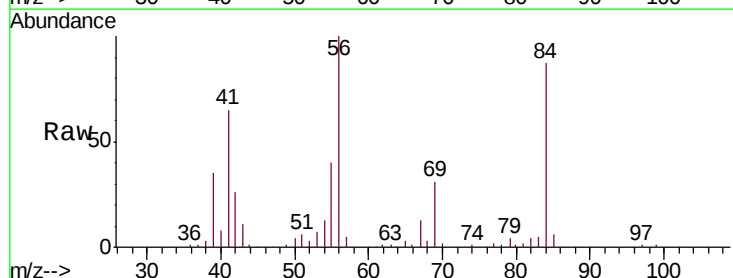
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

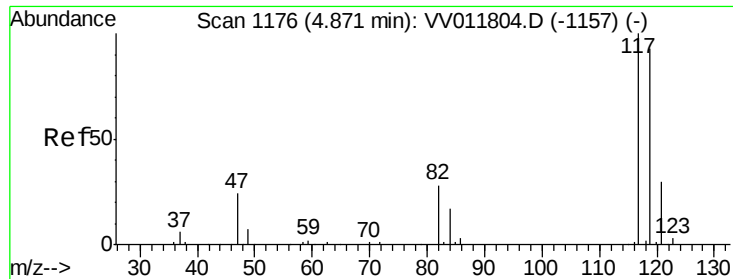
Tgt Ion: 97 Resp: 99598
 Ion Ratio Lower Upper
 97 100
 99 63.1 52.2 78.4
 61 48.5 38.5 57.7



#30
 Cyclohexane
 Concen: 5.230 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.01 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion: 56 Resp: 104384
 Ion Ratio Lower Upper
 56 100
 69 30.4 23.5 35.3
 84 85.4 67.6 101.4





#31

Carbon tetrachloride

Concen: 5.363 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

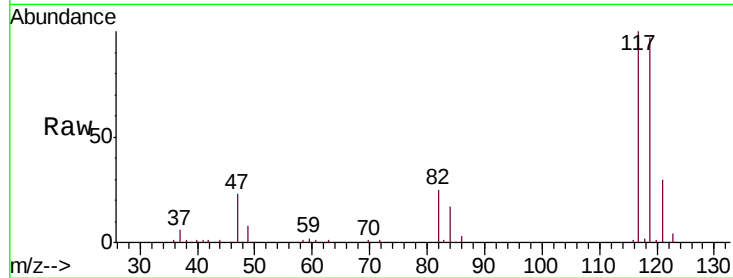
VSTD00555

Tgt Ion:117 Resp: 86020

Ion Ratio Lower Upper

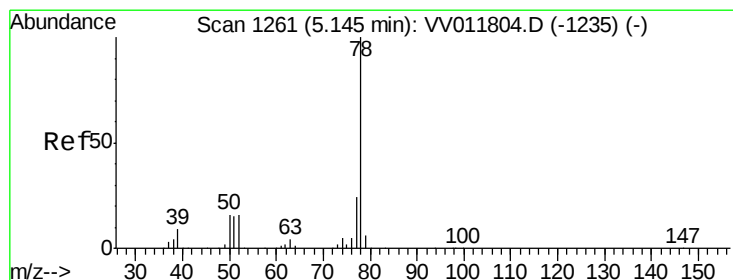
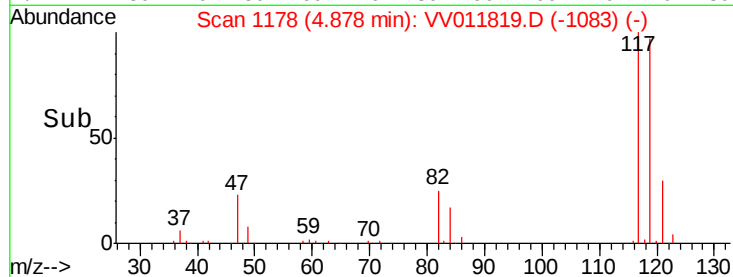
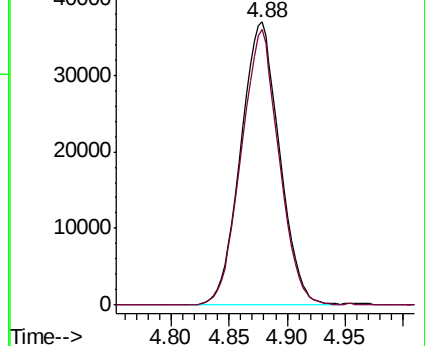
117 100

119 94.7 77.0 115.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.446 ug/L

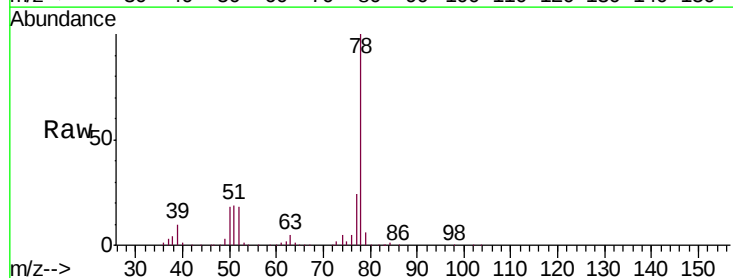
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

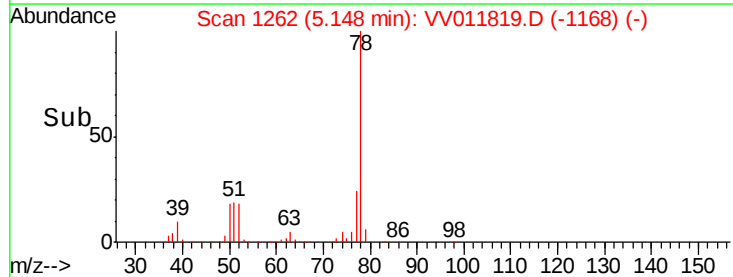
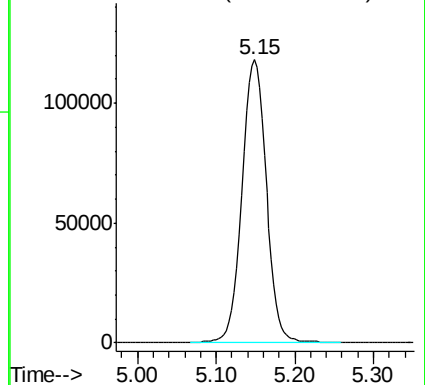
Lab File: VV011819.D

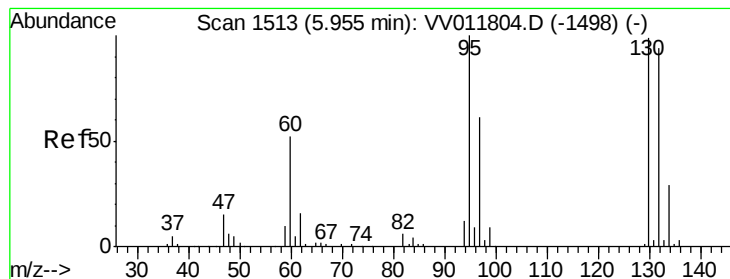
Acq: 02 Jul 2019 22:01

Tgt Ion: 78 Resp: 258305



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.219 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 64412

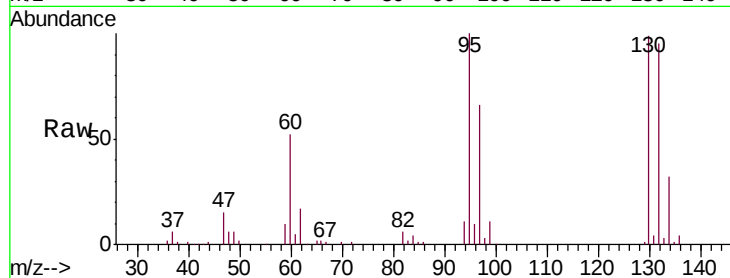
Ion Ratio Lower Upper

95 100

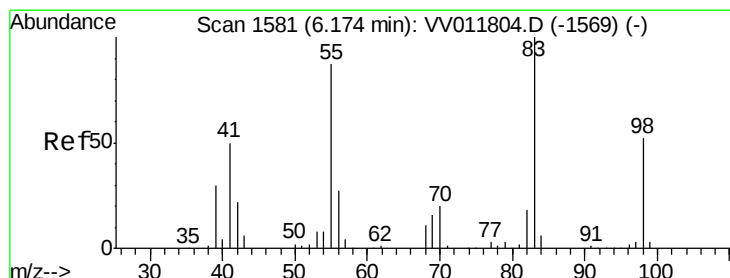
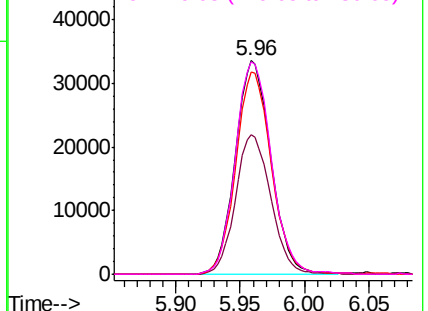
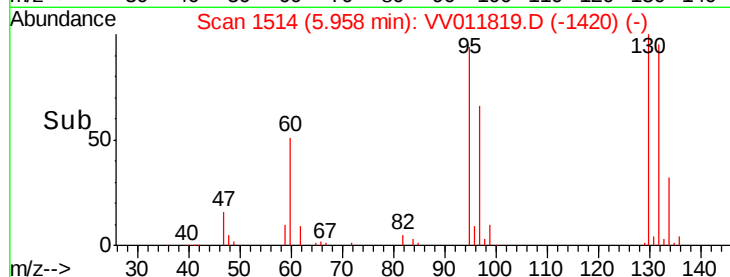
97 65.6 43.7 81.1

132 94.6 63.7 118.3

130 99.3 67.1 124.7



Abundance Ion 95.00 (94.70 to 95.70): VV011819.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.208 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

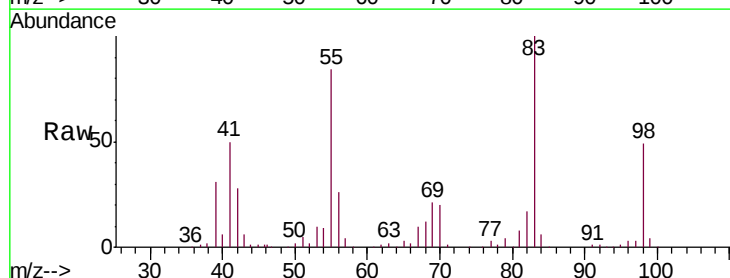
Tgt Ion: 83 Resp: 105192

Ion Ratio Lower Upper

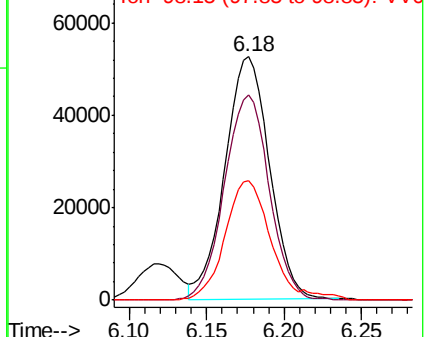
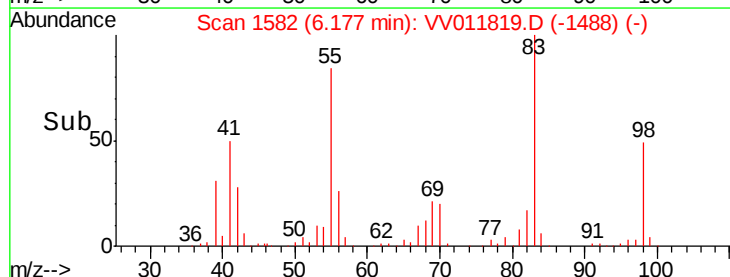
83 100

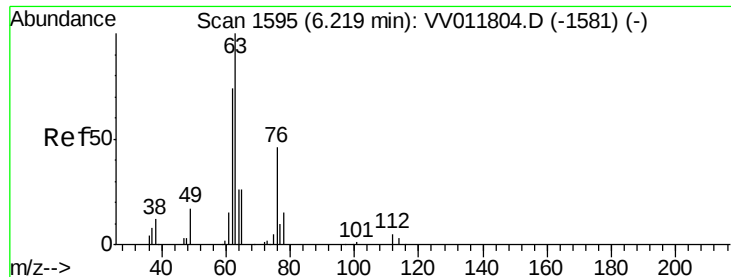
55 85.4 67.8 101.6

98 50.7 39.8 59.8



Abundance Ion 83.15 (82.85 to 83.85): VV011819.D (-1488) (-)





#37

1,2-Dichloropropane

Concen: 5.279 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

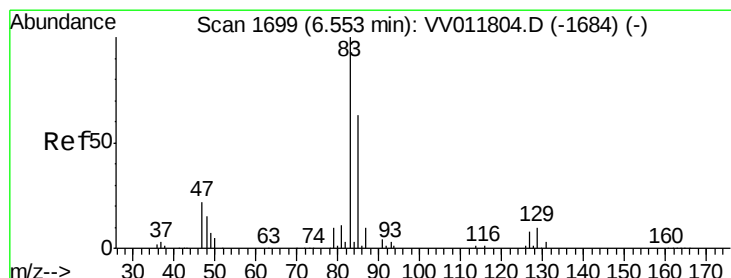
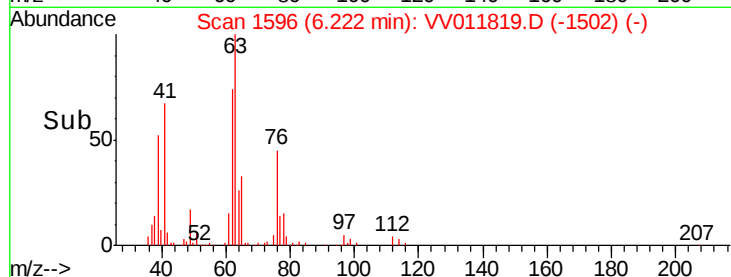
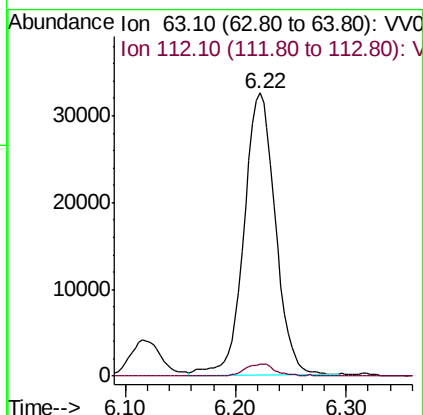
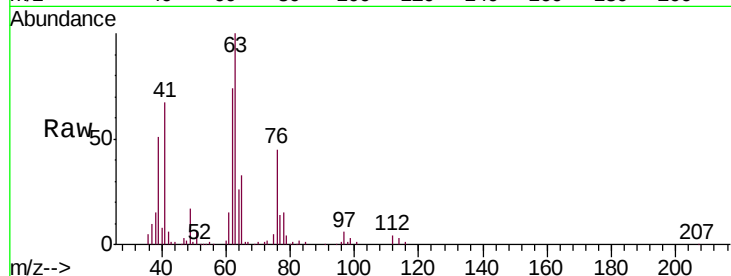
VSTD00555

Tgt Ion: 63 Resp: 64125

Ion Ratio Lower Upper

63 100

112 4.1 3.2 4.8



#38

Bromodichloromethane

Concen: 5.314 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

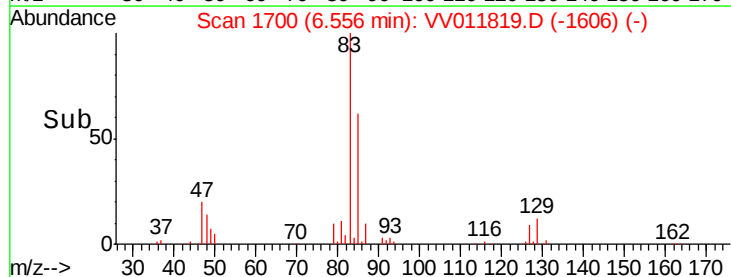
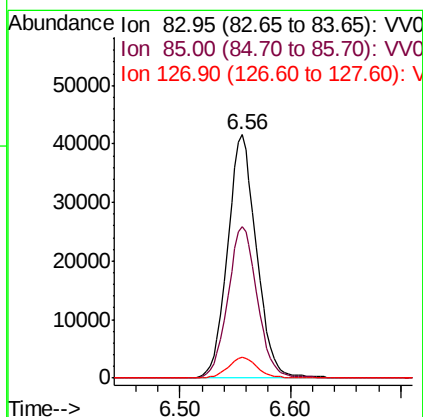
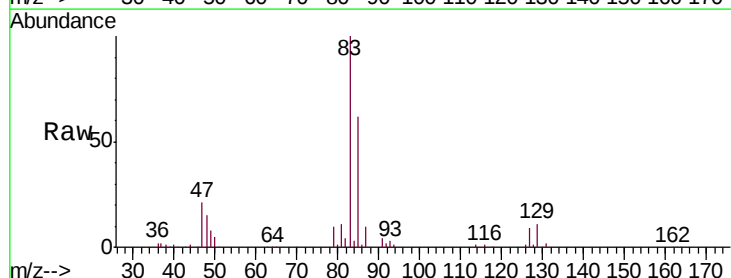
Tgt Ion: 83 Resp: 75252

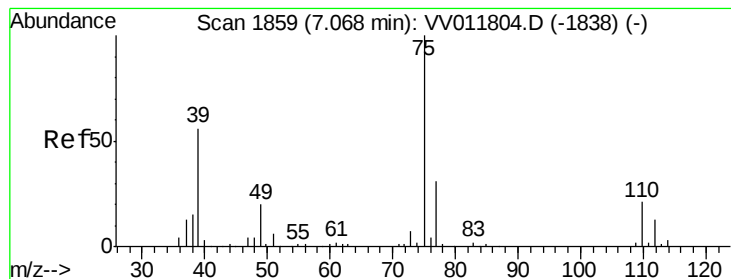
Ion Ratio Lower Upper

83 100

85 62.1 43.1 80.1

127 8.5 6.2 9.4



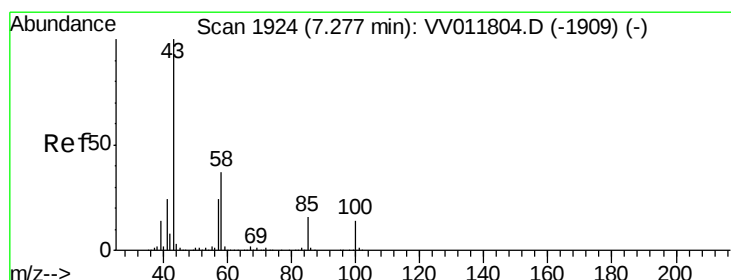
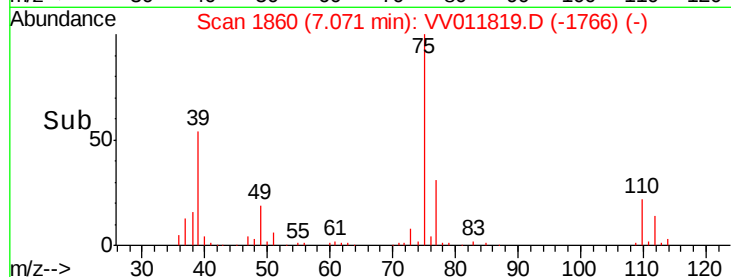
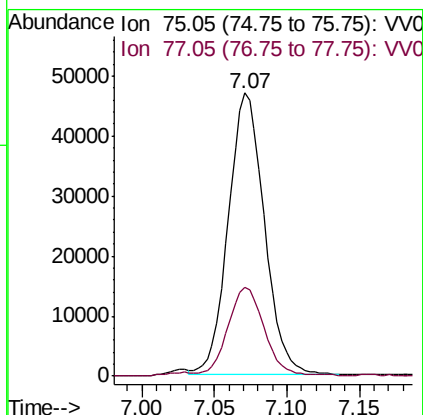
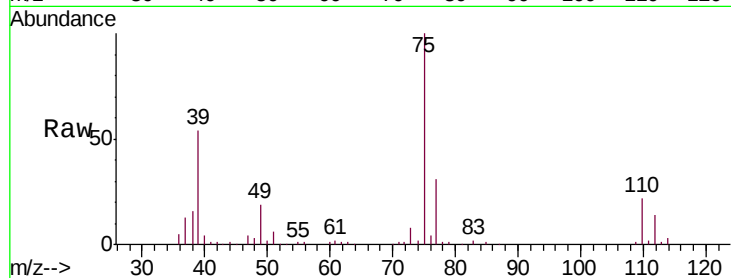


#39

cis-1,3-Dichloropropene
 Concen: 4.971 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00555

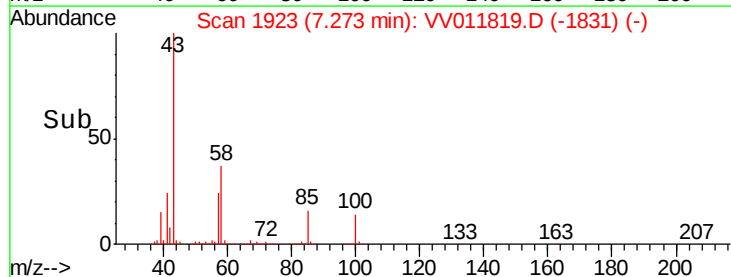
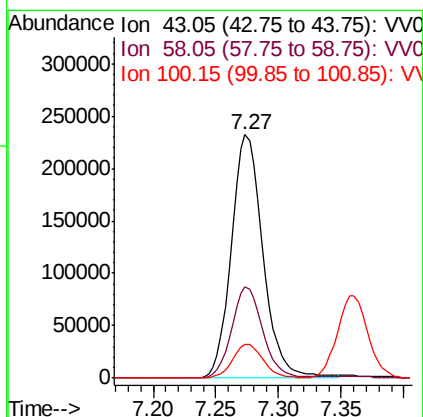
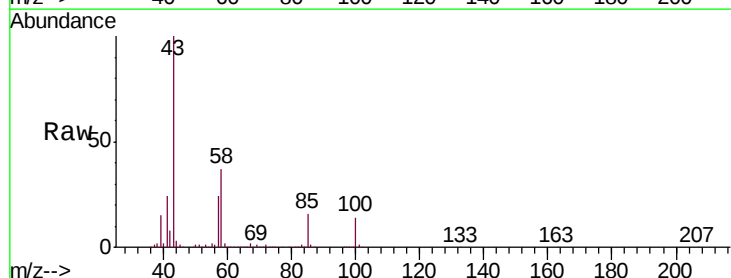
Tgt Ion: 75 Resp: 80537
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.0 40.8

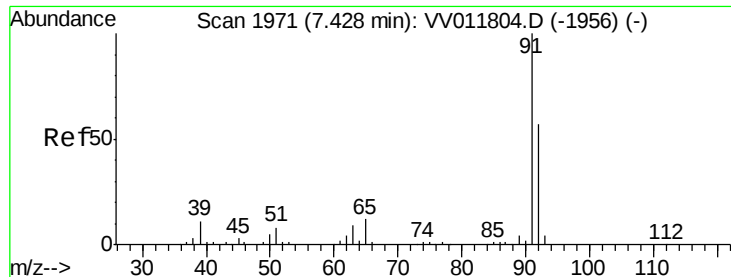


#40

4-Methyl-2-pentanone
 Concen: 54.202 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion: 43 Resp: 407643
 Ion Ratio Lower Upper
 43 100
 58 36.8 28.7 43.1
 100 13.6 10.7 16.1





#42

Toluene

Concen: 5.493 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

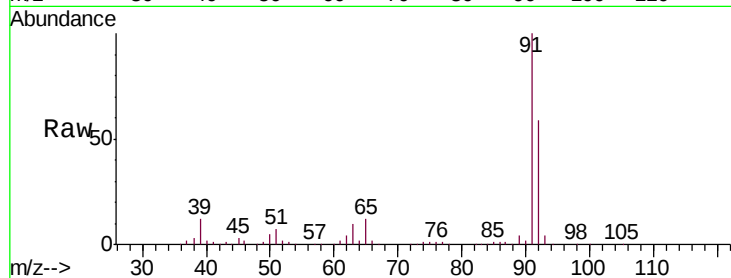
VSTD00555

Tgt Ion: 91 Resp: 275245

Ion Ratio Lower Upper

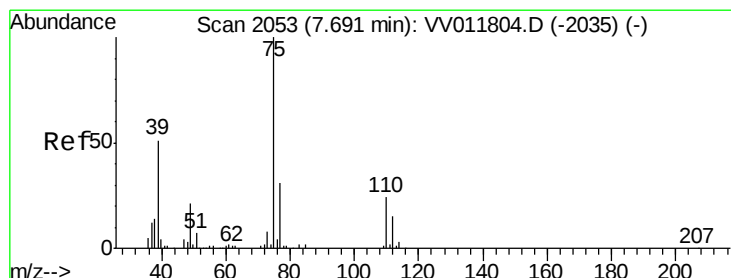
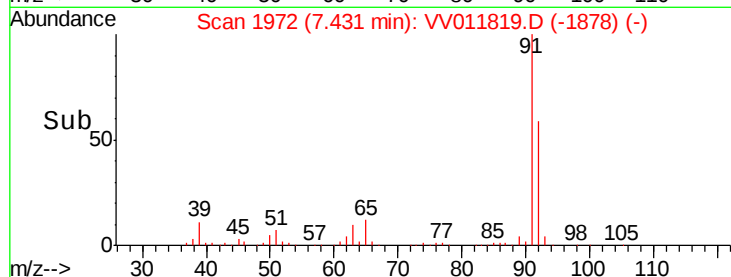
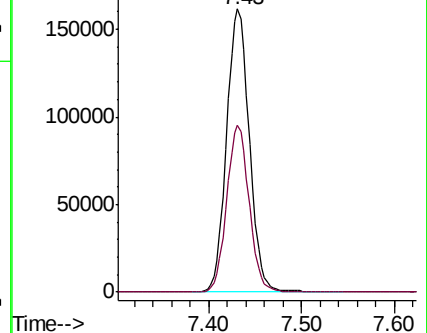
91 100

92 58.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.205 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011819.D

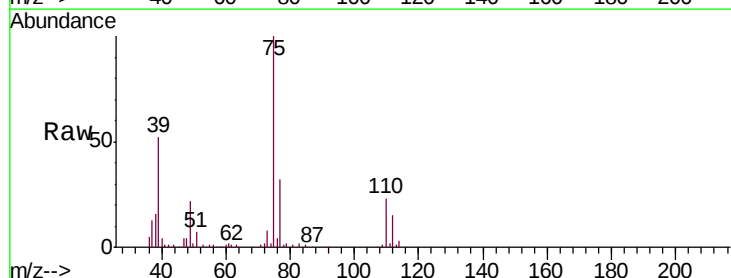
Acq: 02 Jul 2019 22:01

Tgt Ion: 75 Resp: 65079

Ion Ratio Lower Upper

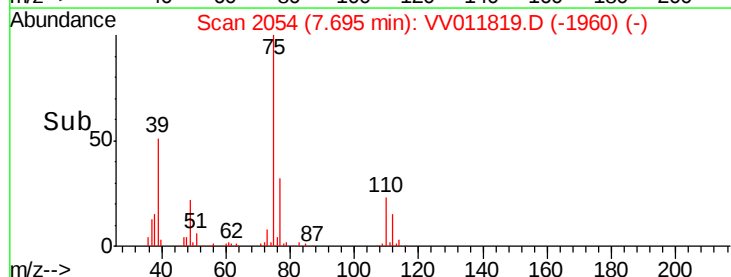
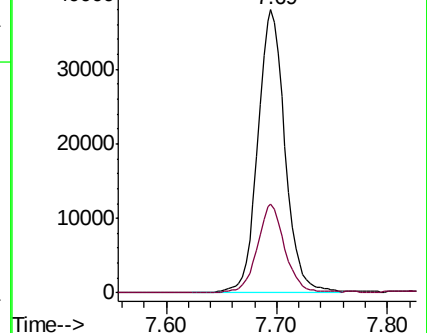
75 100

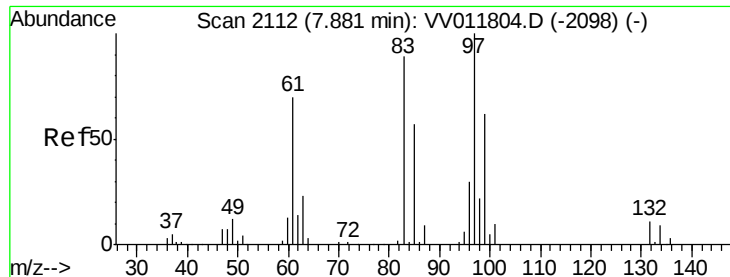
77 31.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

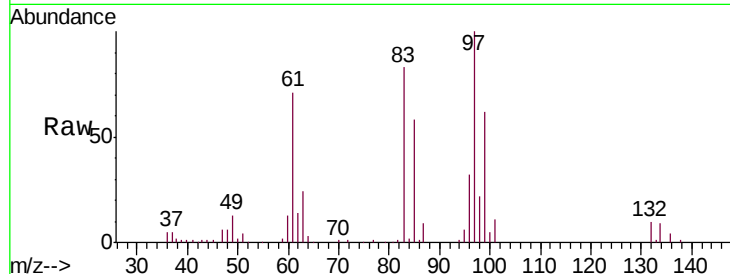




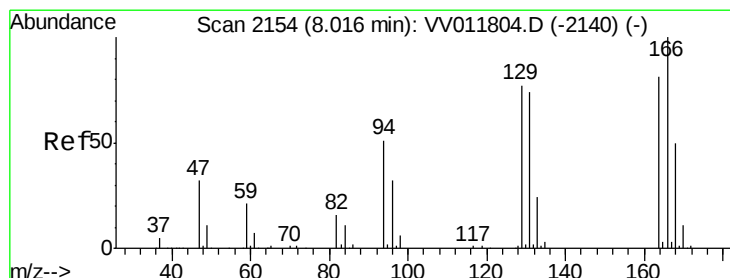
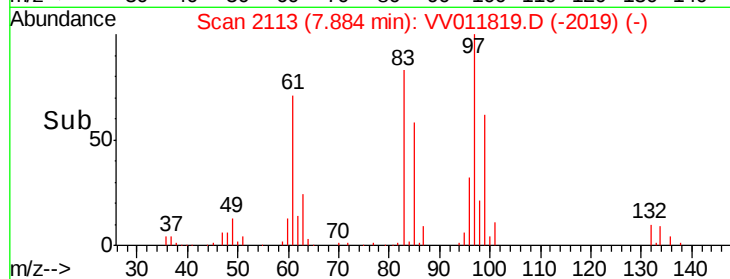
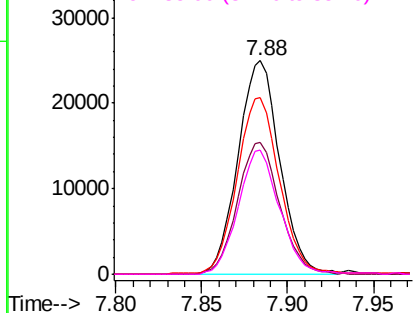
#45
 1,1,2-Trichloroethane
 Concen: 5.388 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:	97	Resp:	41990
Ion	Ratio	Lower	Upper
97	100		
99	61.8	44.9	83.5
83	82.6	59.6	110.8
85	57.9	40.1	74.5

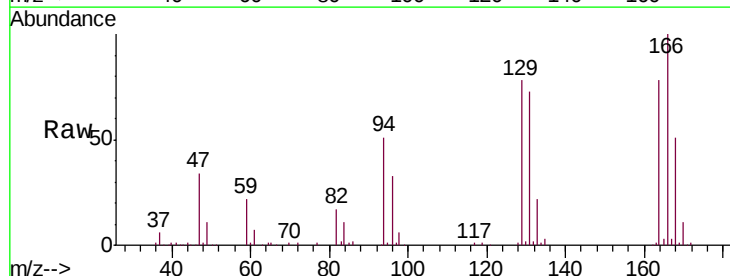


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

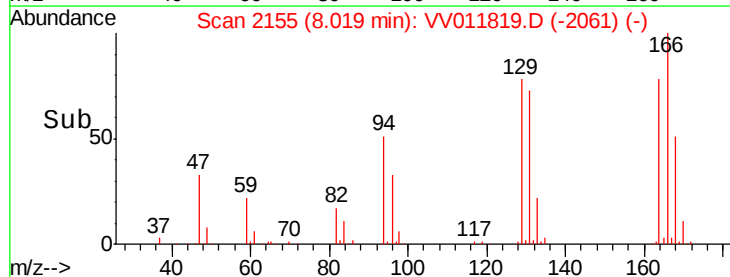
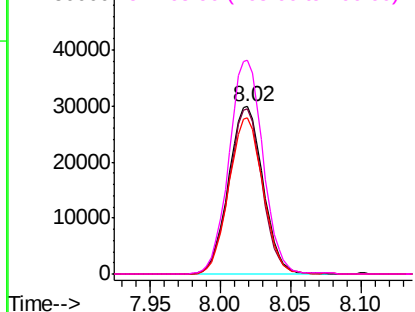


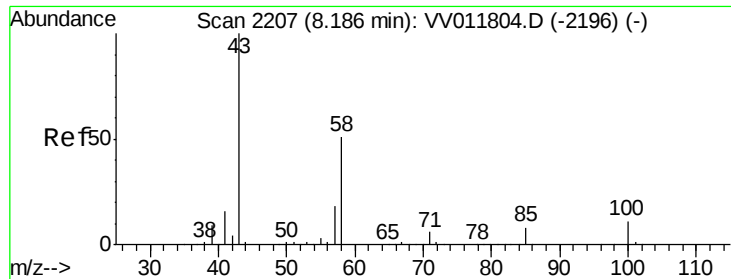
#47
 Tetrachloroethene
 Concen: 5.269 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion:	164	Resp:	51174
Ion	Ratio	Lower	Upper
164	100		
129	99.1	65.7	121.9
131	93.7	63.2	117.4
166	127.7	85.8	159.3



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

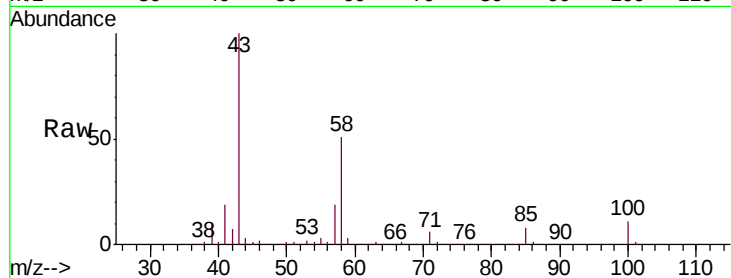




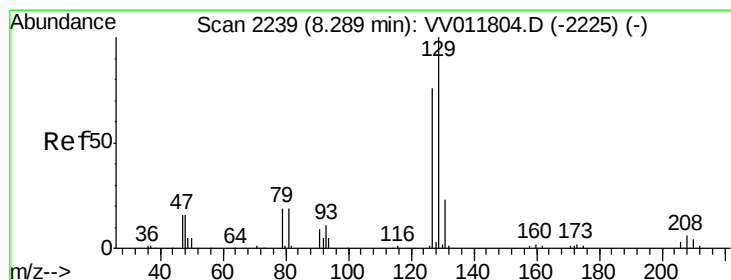
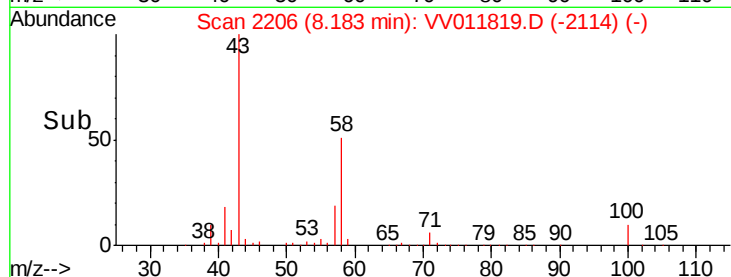
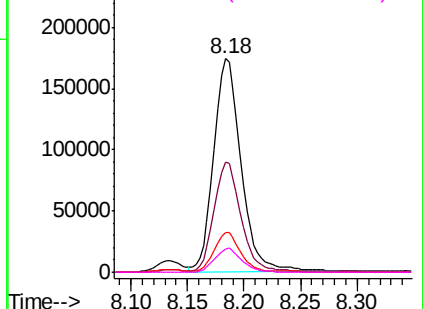
#48
2-Hexanone
Concen: 54.870 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Instrument :
MSVOA_V
ClientSampled :
VSTD00555

Tgt Ion:	43	Resp:	291307
Ion	Ratio	Lower	Upper
43	100		
58	51.2	40.9	61.3
57	17.7	14.3	21.5
100	11.2	8.7	13.1

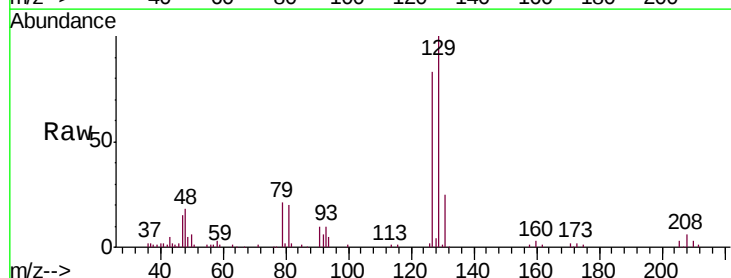


Abundance Ion 43.05 (42.75 to 43.75): VV011819.D (-2196) (-)
Ion 58.05 (57.75 to 58.75): VV011819.D (-2196) (-)
Ion 57.20 (56.90 to 57.90): VV011819.D (-2196) (-)
Ion 100.15 (99.85 to 100.85): VV011819.D (-2196) (-)

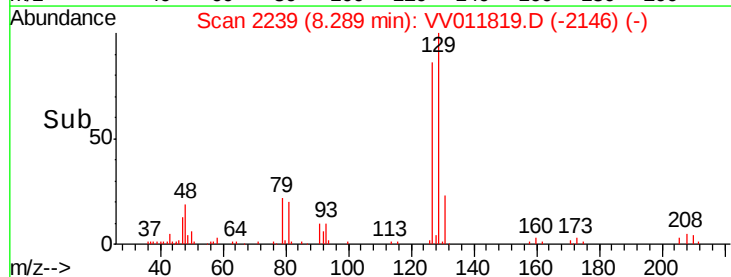
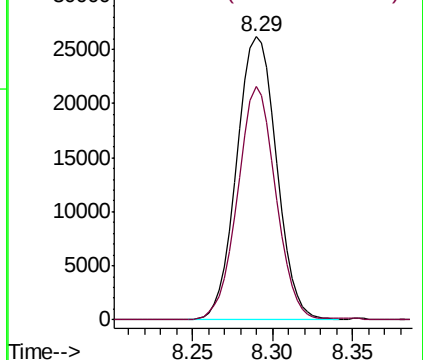


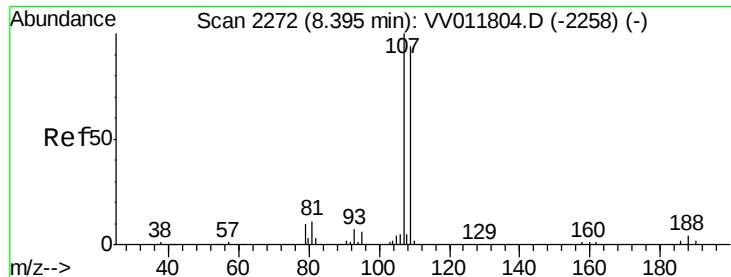
#49
Dibromochloromethane
Concen: 5.381 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Tgt Ion:	129	Resp:	44520
Ion	Ratio	Lower	Upper
129	100		
127	82.5	53.9	100.1



Abundance Ion 128.95 (128.65 to 129.65): VV011819.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011819.D (-2146) (-)

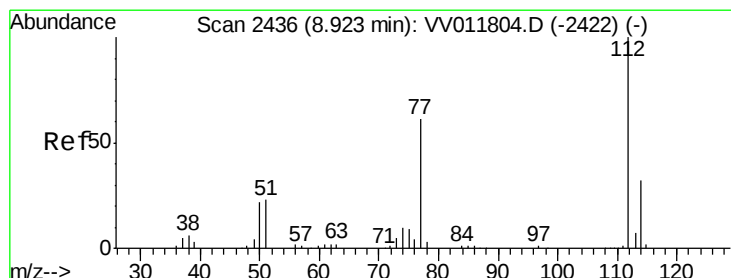
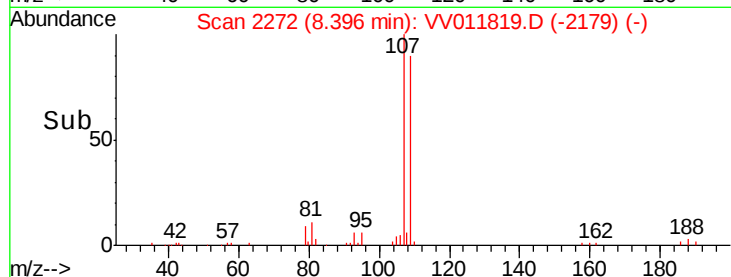
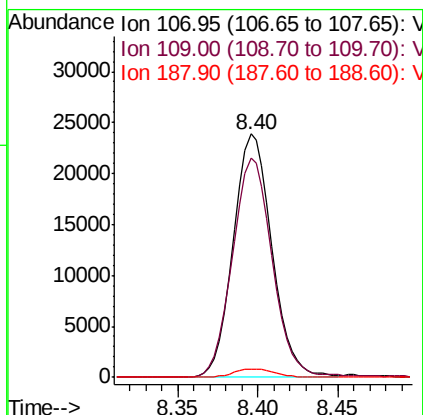
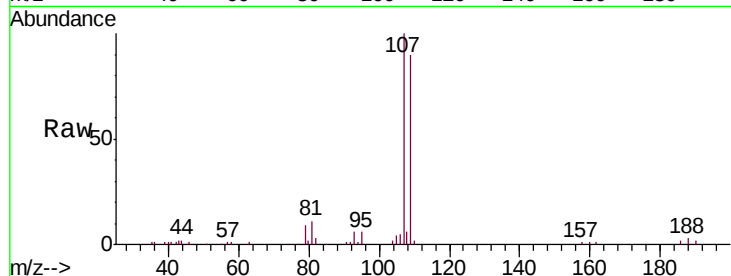




#50
1,2-Dibromoethane
Concen: 5.430 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

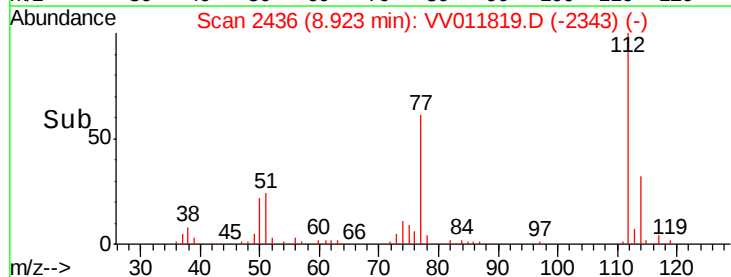
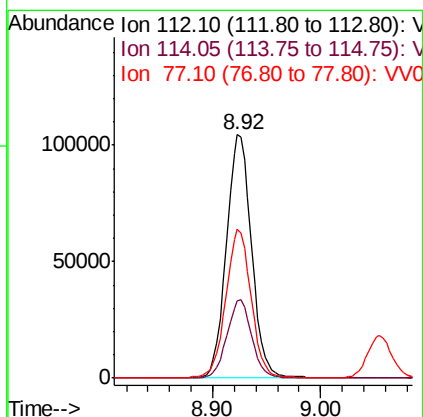
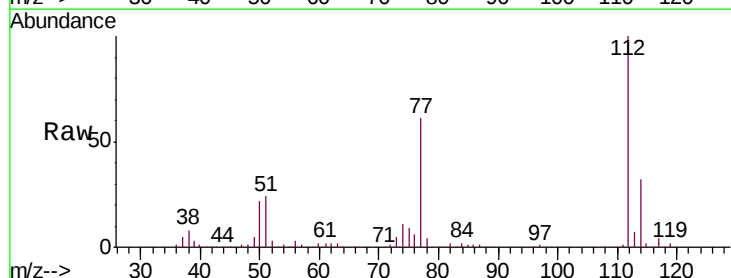
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

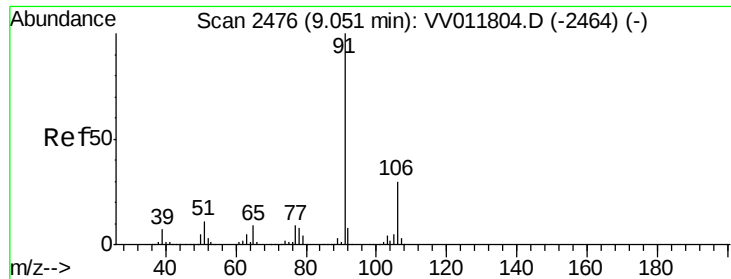
Tgt Ion:107 Resp: 39299
Ion Ratio Lower Upper
107 100
109 90.2 66.8 124.2
188 3.3 3.0 4.6



#51
Chlorobenzene
Concen: 5.377 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV011819.D
Acq: 02 Jul 2019 22:01

Tgt Ion:112 Resp: 170133
Ion Ratio Lower Upper
112 100
114 31.7 22.7 42.3
77 61.2 50.3 75.5





#52

Ethylbenzene

Concen: 5.393 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

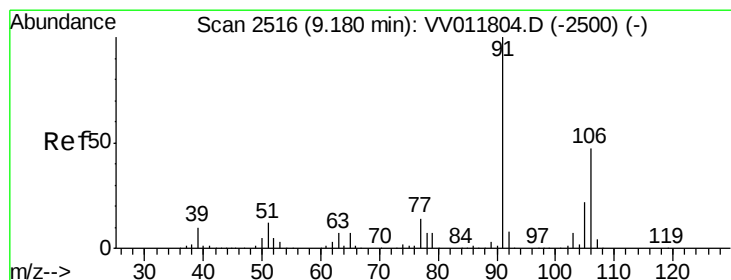
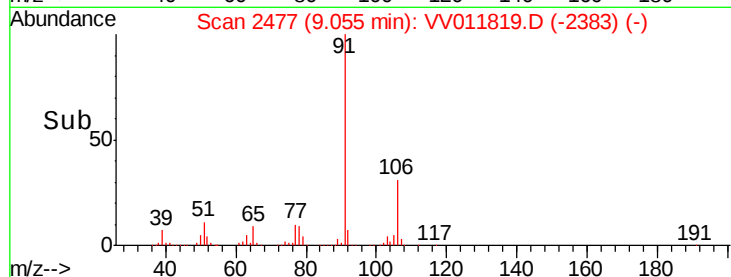
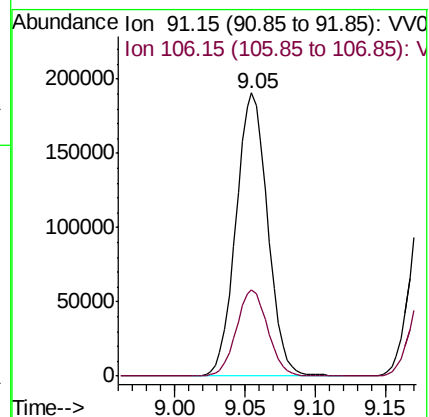
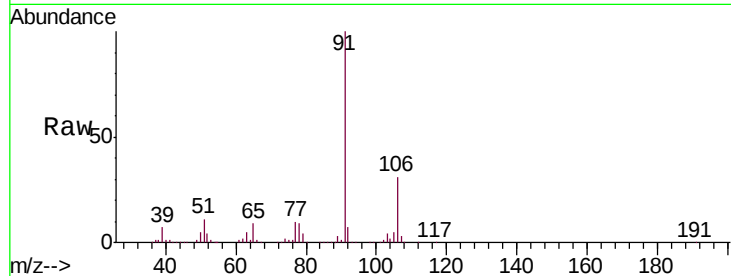
VSTD00555

Tgt Ion: 91 Resp: 300413

Ion Ratio Lower Upper

91 100

106 30.6 20.8 38.6



#53

m,p-xylene

Concen: 5.487 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011819.D

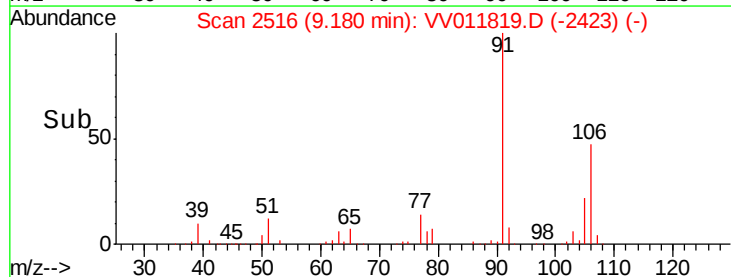
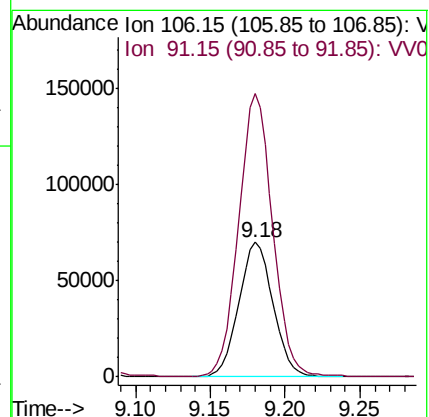
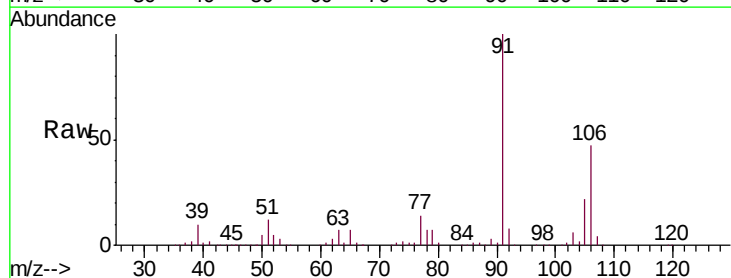
Acq: 02 Jul 2019 22:01

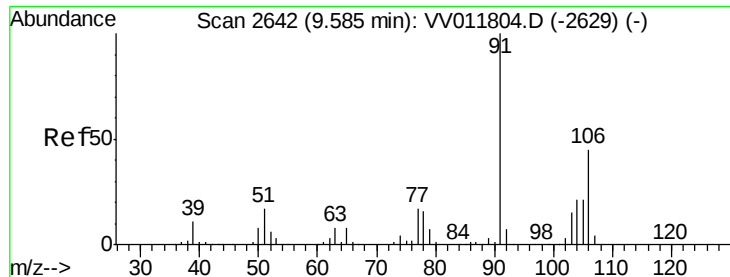
Tgt Ion: 106 Resp: 111781

Ion Ratio Lower Upper

106 100

91 210.7 148.2 275.2





#54

o-xylene

Concen: 5.433 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

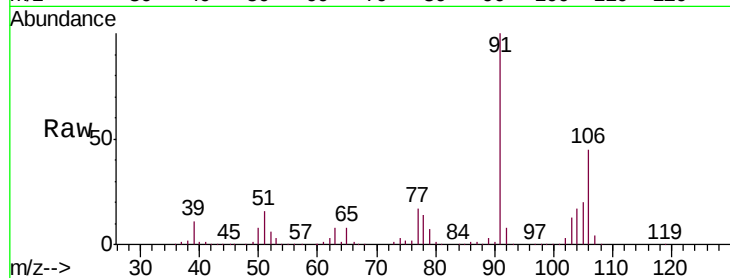
VSTD00555

Tgt Ion:106 Resp: 106656

Ion Ratio Lower Upper

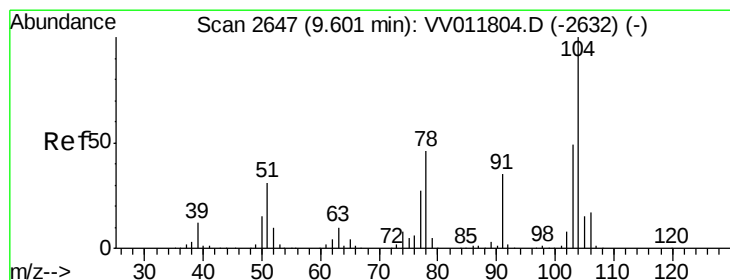
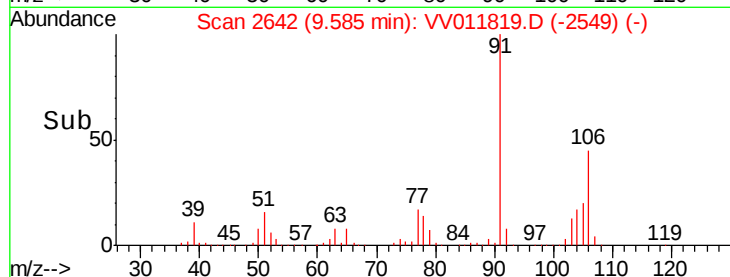
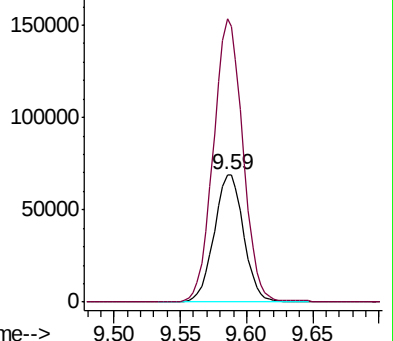
106 100

91 222.3 153.2 284.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.555 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV011819.D

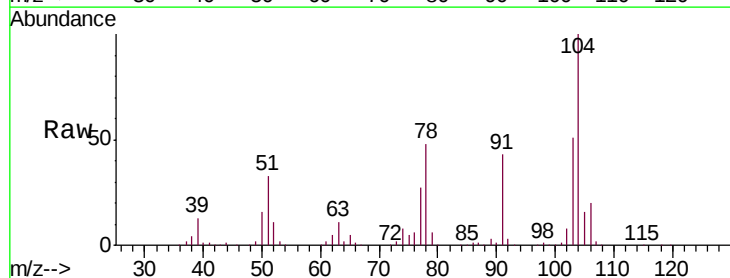
Acq: 02 Jul 2019 22:01

Tgt Ion:104 Resp: 181908

Ion Ratio Lower Upper

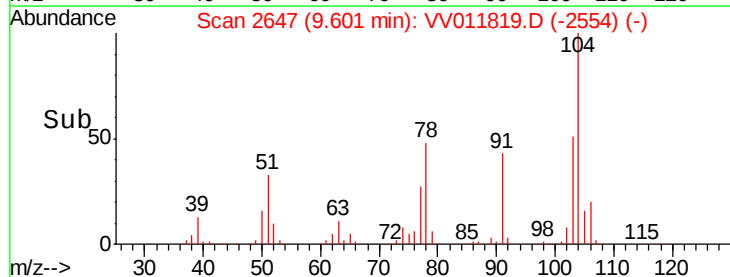
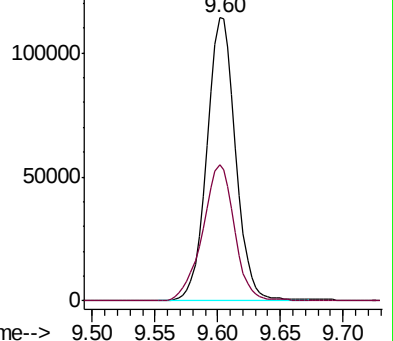
104 100

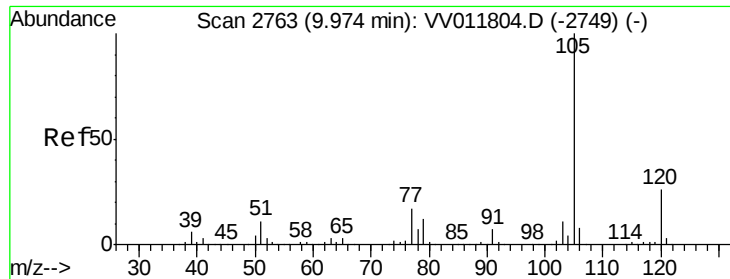
78 48.2 33.4 62.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.452 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

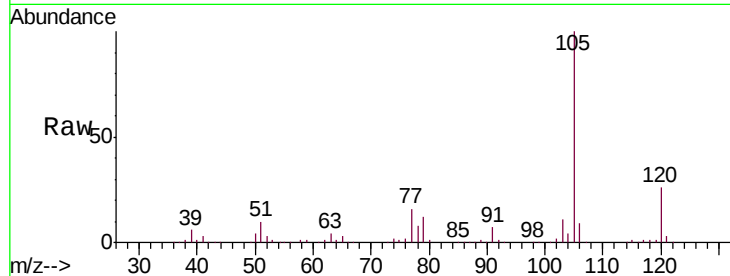
Tgt Ion: 105 Resp: 289619

Ion Ratio Lower Upper

105 100

120 26.1 21.2 31.8

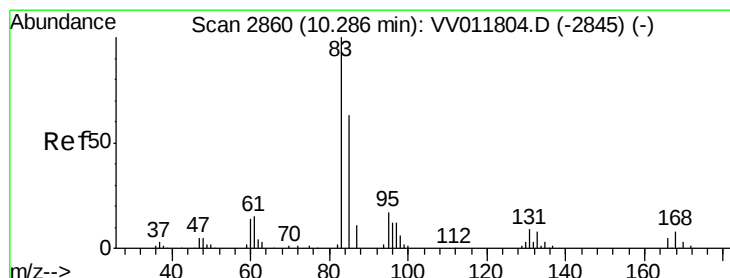
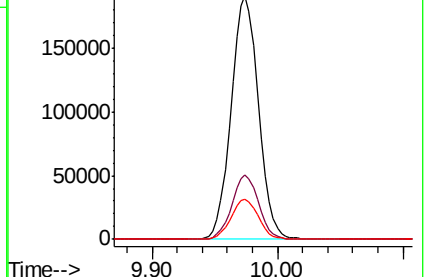
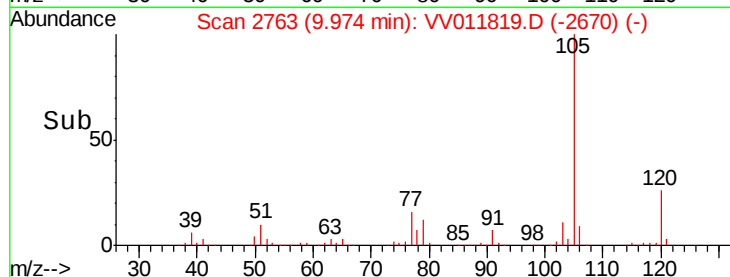
77 16.6 13.5 20.3



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: 5.202 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

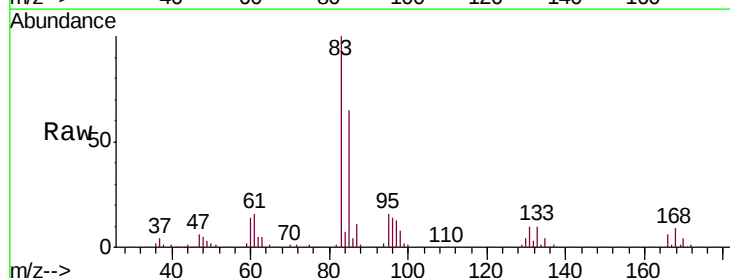
Tgt Ion: 83 Resp: 49641

Ion Ratio Lower Upper

83 100

85 64.6 46.1 85.7

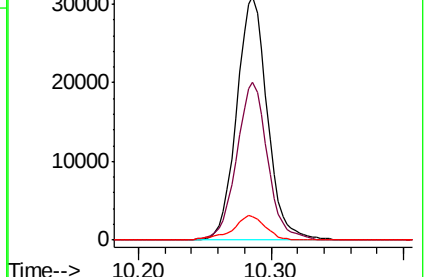
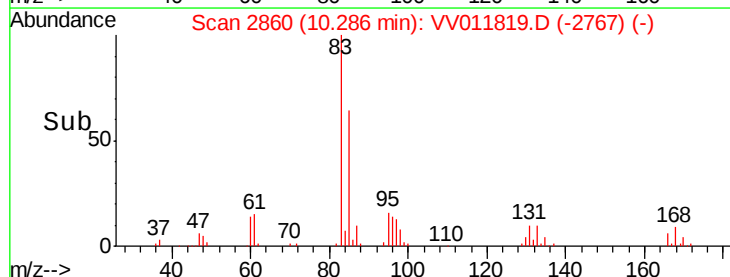
131 9.8 7.8 11.6

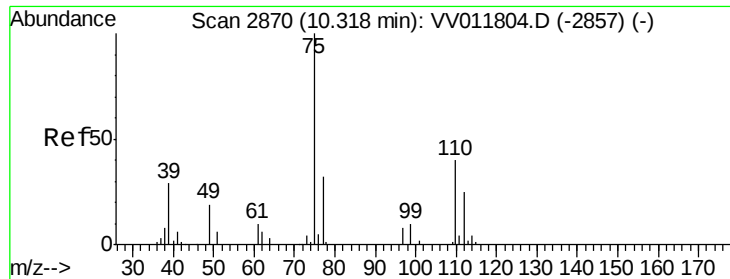


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.233 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

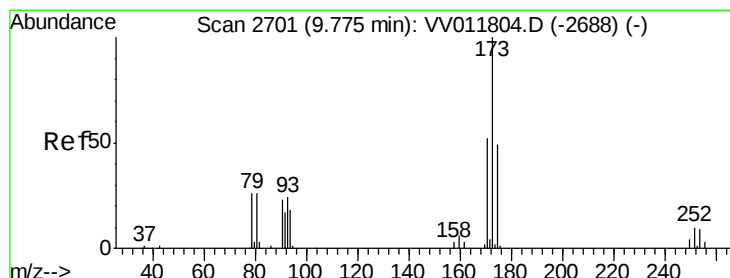
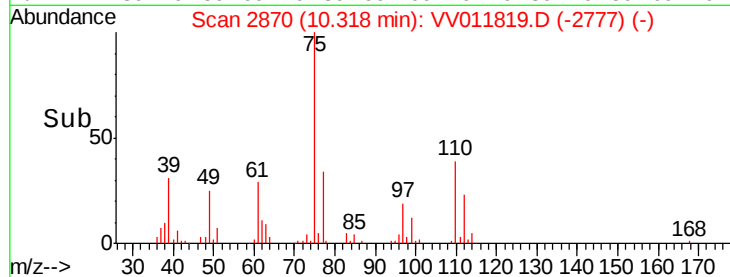
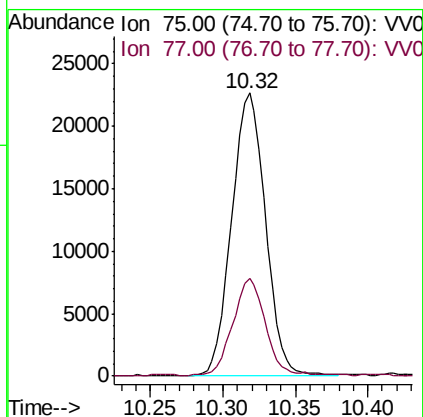
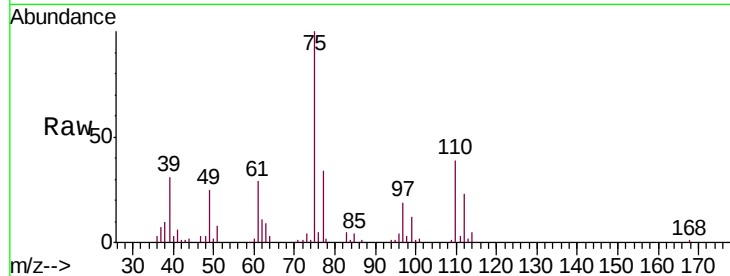
VSTD00555

Tgt Ion: 75 Resp: 36783

Ion Ratio Lower Upper

75 100

77 33.8 25.4 38.2



#61

Bromoform

Concen: 5.023 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

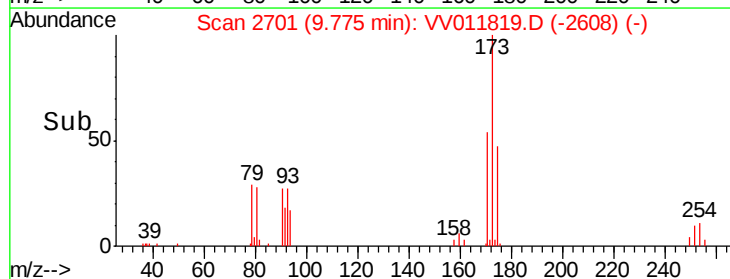
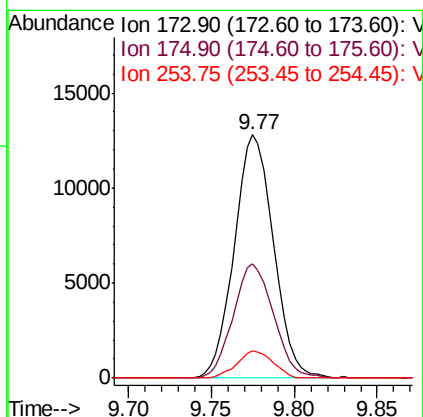
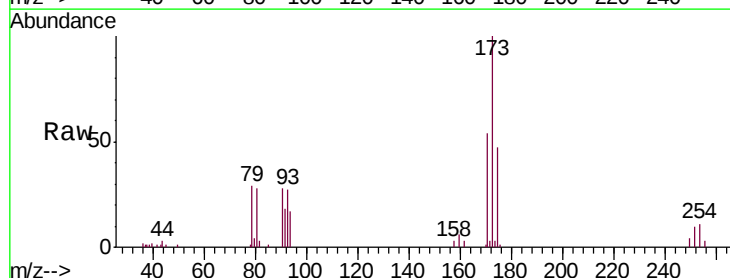
Tgt Ion: 173 Resp: 21059

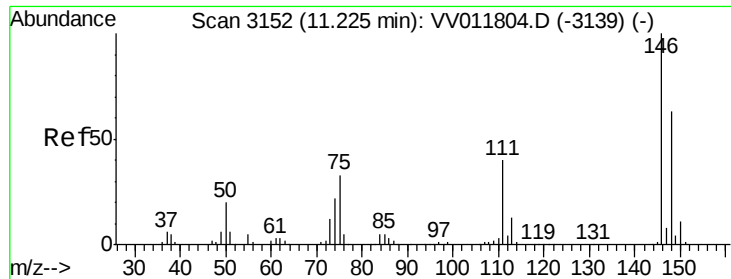
Ion Ratio Lower Upper

173 100

175 48.2 38.1 57.1

254 10.2 7.9 11.9

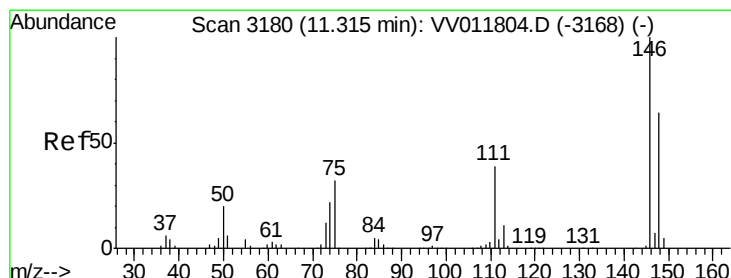
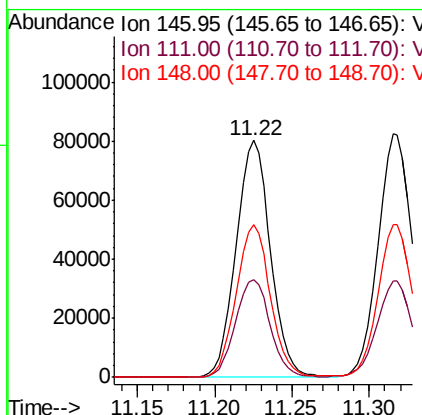
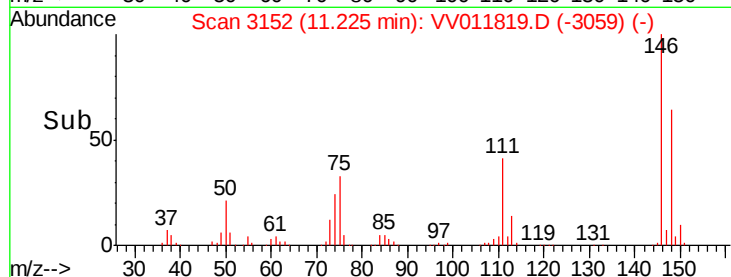
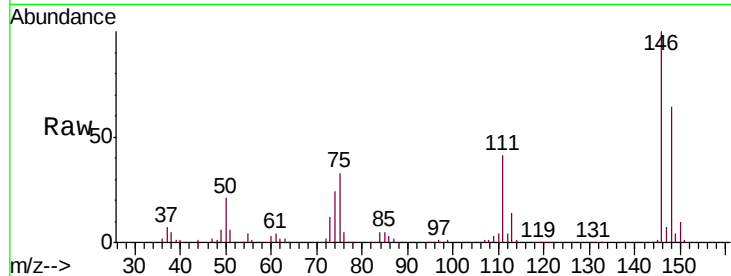




#62
 1,3-Dichlorobenzene
 Concen: 5.095 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

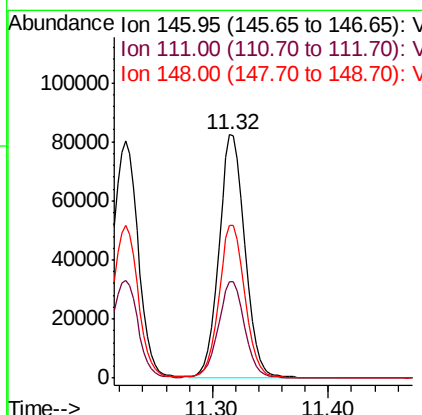
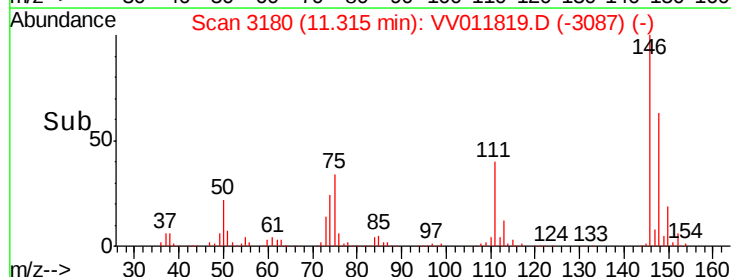
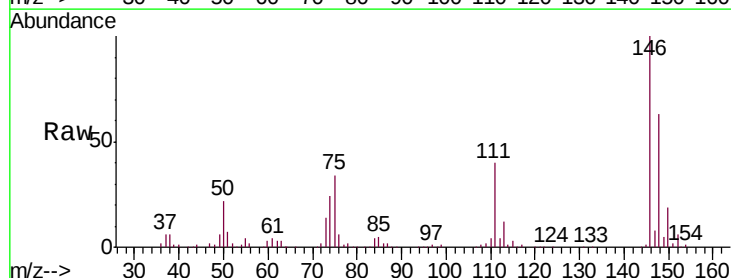
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

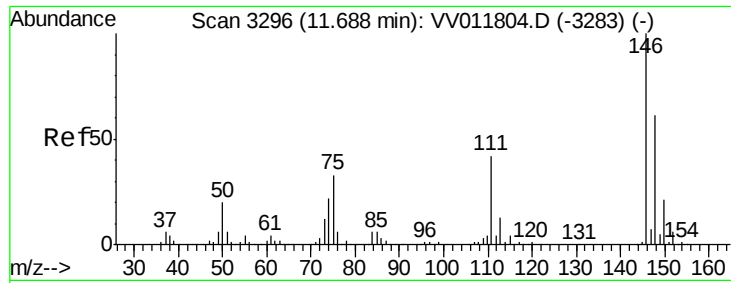
Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	28.1	52.1
148	64.3	44.7	83.1



#63
 1,4-Dichlorobenzene
 Concen: 5.201 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	27.2	50.4
148	62.9	45.1	83.7





#65

1,2-Dichlorobenzene

Concen: 5.173 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

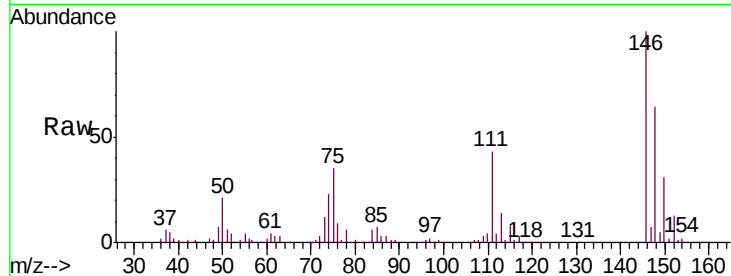
Tgt Ion:146 Resp: 118780

Ion Ratio Lower Upper

146 100

111 43.2 34.6 52.0

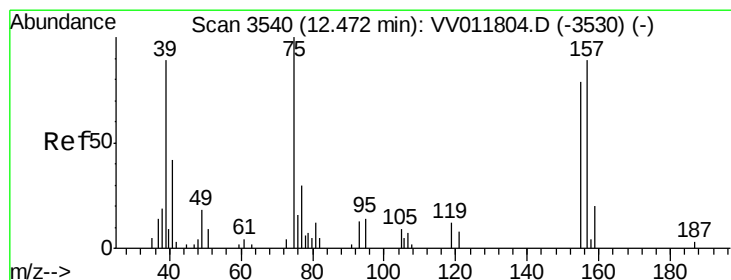
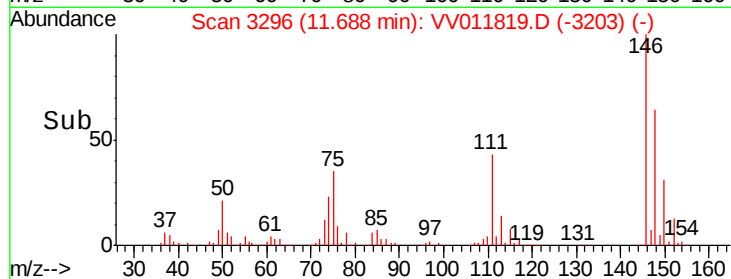
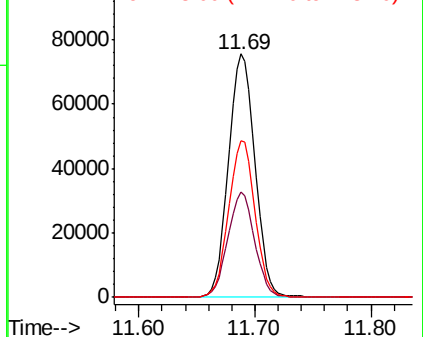
148 64.5 53.3 79.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.006 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

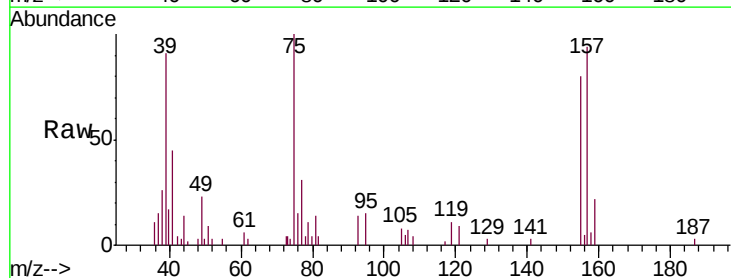
Tgt Ion: 75 Resp: 7290

Ion Ratio Lower Upper

75 100

155 80.1 64.2 96.4

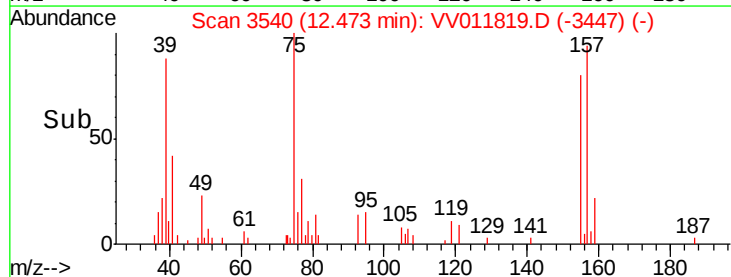
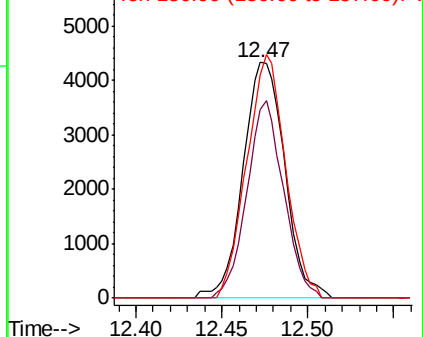
157 94.4 73.6 110.4

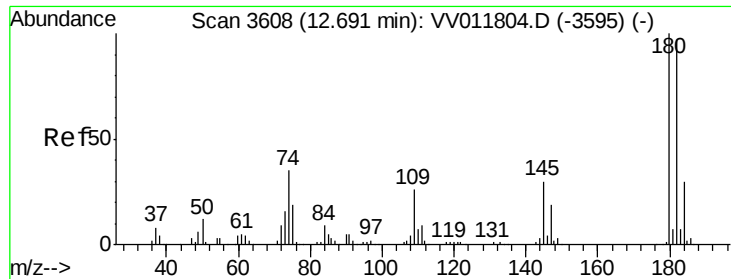


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

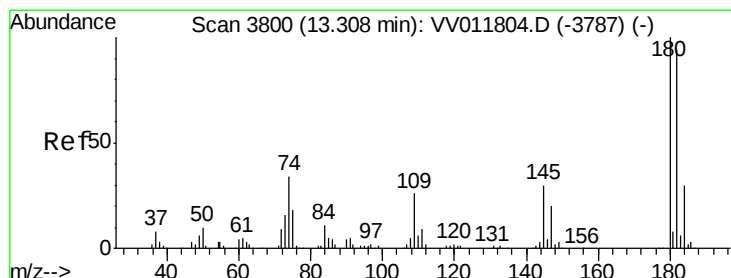
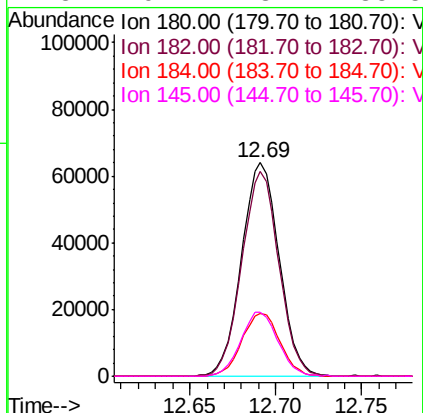
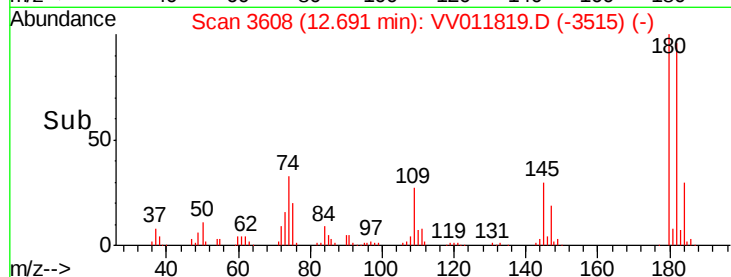
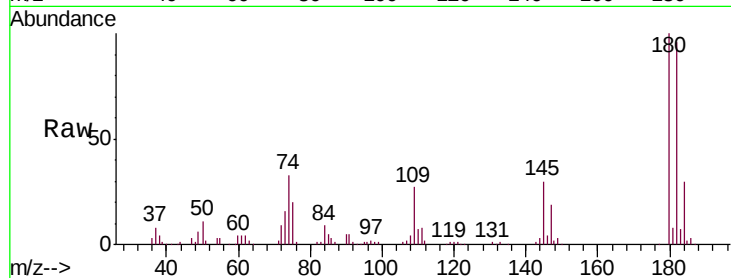




#67
 1,3,5-Trichlorobenzene
 Concen: 5.206 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

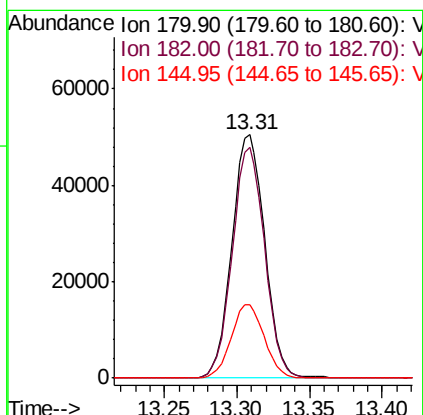
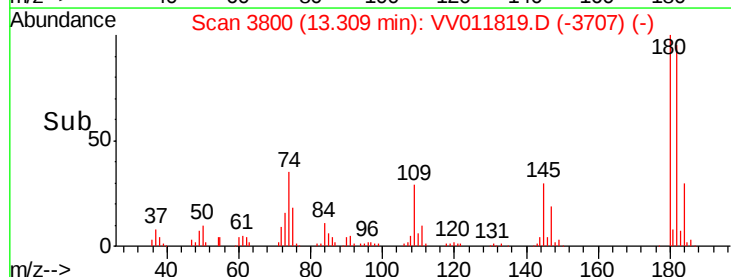
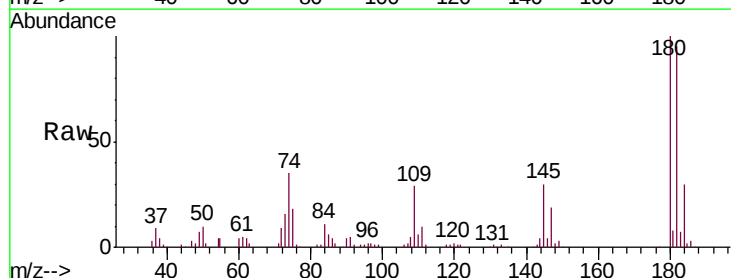
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

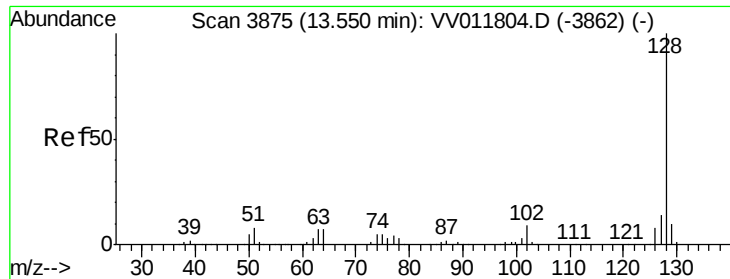
Tgt Ion:180 Resp: 97921
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.3 112.9
 184 29.6 24.2 36.4
 145 29.7 23.7 35.5



#68
 1,2,4-trichlorobenzene
 Concen: 5.223 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011819.D
 Acq: 02 Jul 2019 22:01

Tgt Ion:180 Resp: 79319
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.2 112.8
 145 30.5 24.5 36.7





#69

Naphthalene

Concen: 5.226 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

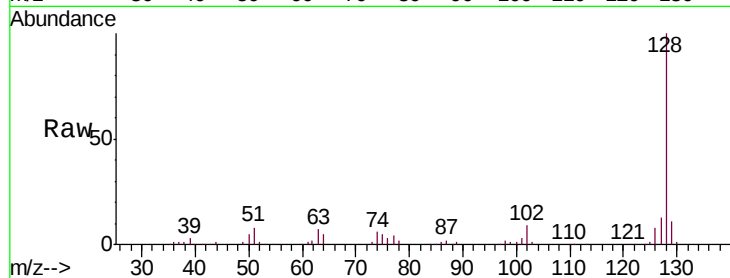
Tgt Ion:128 Resp: 126391

Ion Ratio Lower Upper

128 100

129 10.7 8.7 13.1

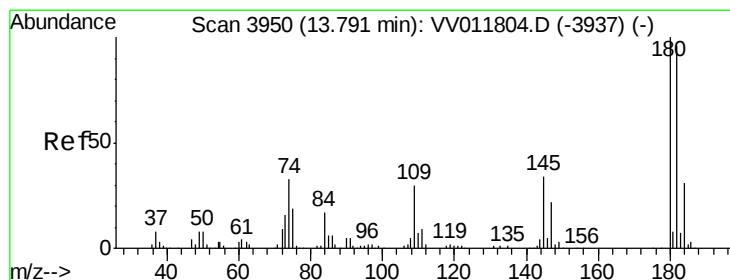
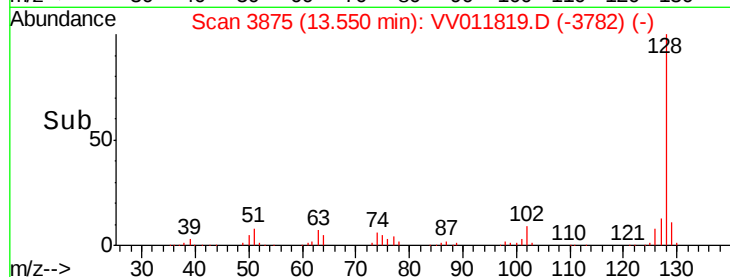
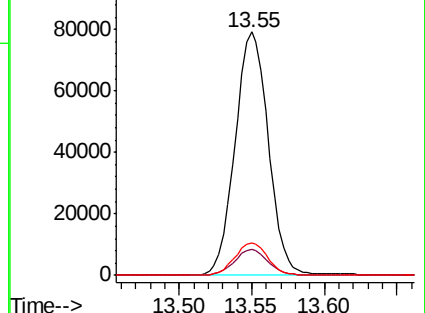
127 13.2 10.6 16.0



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: 5.210 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV011819.D

Acq: 02 Jul 2019 22:01

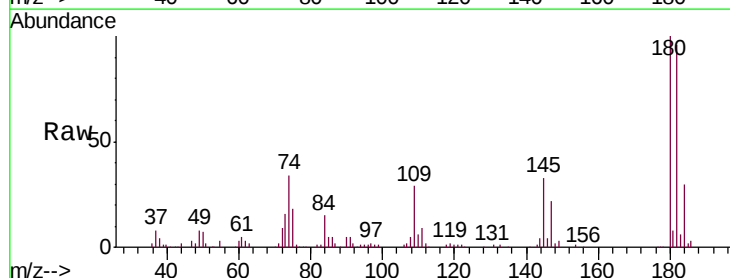
Tgt Ion:180 Resp: 73332

Ion Ratio Lower Upper

180 100

182 96.1 74.7 112.1

145 33.1 26.2 39.4



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

