

Data File : VV011194.D
Acq On : 01 Jun 2019 00:50
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Quant Time: Jun 01 01:36:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 01 00:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	303422	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	300822	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	145028	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88015	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
7) Chloroethane-d5	1.56	69	78710	24.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.76%
10) 1,1-Dichloroethene-d2	2.12	63	185836	22.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.20%
20) 2-Butanone-d5	3.94	46	84645	56.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.82%
24) Chloroform-d	4.40	84	203473	27.43	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.72%
26) 1,2-Dichloroethane-d4	5.08	65	132347	27.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.52%
29) Benzene-d6	5.09	84	405710	24.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.32%
33) 1,2-Dichloropropane-d6	6.11	67	135414	25.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.48%
37) Toluene-d8	7.36	98	375674	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	7.66	79	57111	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.44%
39) 2-Hexanone-d5	8.13	63	62098	52.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	127749	27.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	144288	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	96580	19.711 ug/L	100
3) Chloromethane	1.25	50	108793	22.709 ug/L	99
5) Vinyl chloride	1.32	62	99952	20.928 ug/L	98
6) Bromomethane	1.51	94	55861	21.697 ug/L	99
8) Chloroethane	1.58	64	62649	22.672 ug/L	98
9) Trichlorofluoromethane	1.76	101	139966	20.368 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	70252	19.088 ug/L	99
12) 1,1-Dichloroethene	2.13	96	69942	20.514 ug/L	92
13) Acetone	2.19	43	74298	42.564 ug/L	98
14) Carbon disulfide	2.31	76	217066	19.824 ug/L	99
15) Methyl Acetate	2.45	43	56432	21.485 ug/L	99
16) Methylene chloride	2.53	84	99453	21.508 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	261928	22.161 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	87840	21.151 ug/L	98
19) 1,1-Dichloroethane	3.22	63	174506	21.717 ug/L	98
21) 2-Butanone	4.02	43	85796	41.895 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	103914	22.403 ug/L	98

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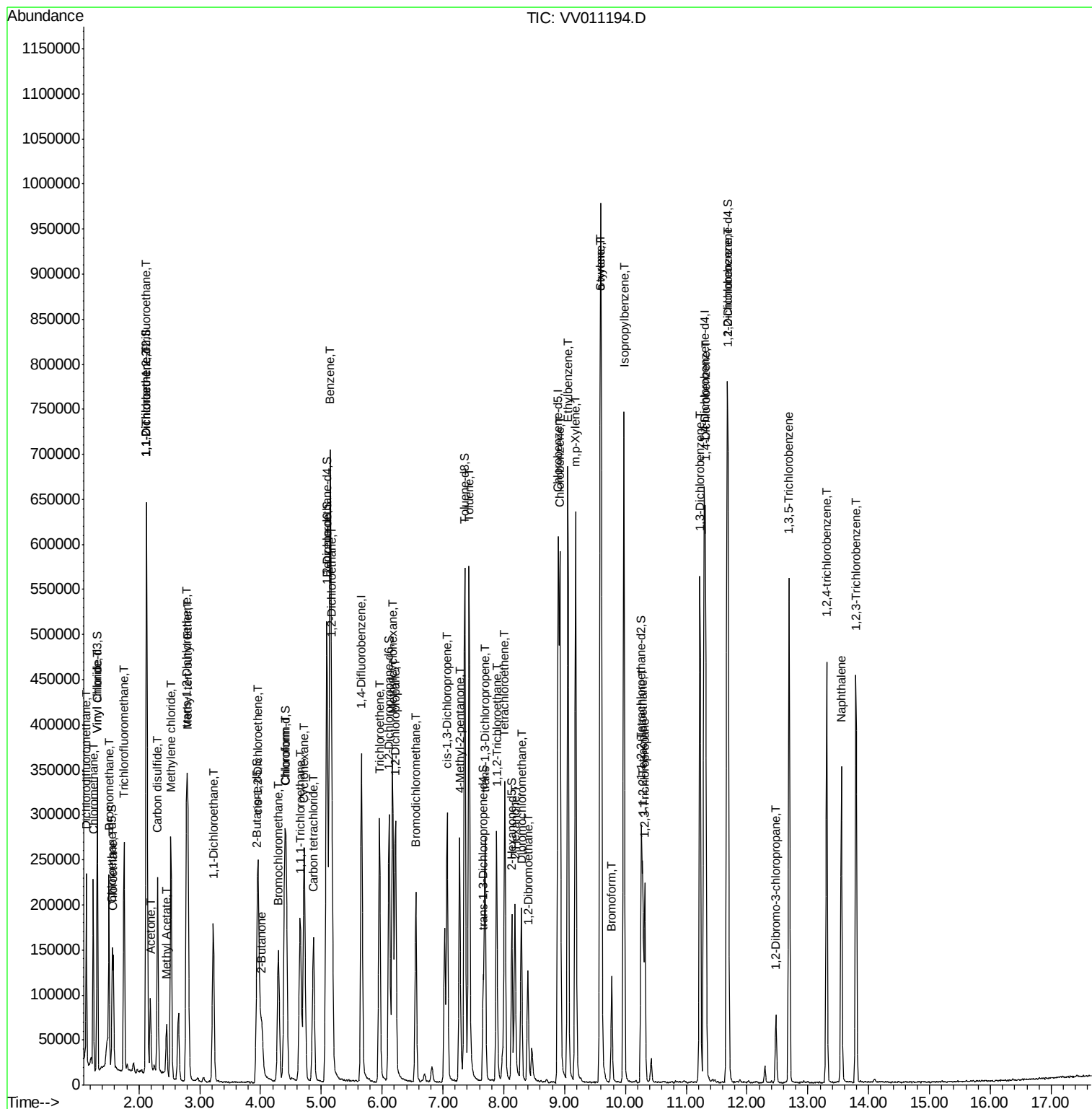
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	45941	22.510	ug/L	90
25) Chloroform	4.42	83	192329	22.403	ug/L	100
27) 1,2-Dichloroethane	5.18	62	143039	23.794	ug/L	98
30) Cyclohexane	4.72	56	143438	17.831	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	140973	20.463	ug/L	99
32) Carbon tetrachloride	4.87	117	111710	19.127	ug/L	99
34) Benzene	5.14	78	383375	21.498	ug/L	100
35) Trichloroethene	5.96	95	98490	21.063	ug/L	99
36) Methylcyclohexane	6.17	83	139037	17.571	ug/L	99
40) 1,2-Dichloropropane	6.22	63	99735	21.276	ug/L	100
41) Bromodichloromethane	6.55	83	133157	21.808	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	158926	21.325	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	182276	42.802	ug/L	99
44) Toluene	7.43	91	417967	21.472	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	133206	20.941	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	81010	22.156	ug/L	98
47) Tetrachloroethene	8.02	164	69848	20.158	ug/L	97
49) 2-Hexanone	8.18	43	129674	42.262	ug/L	97
50) Dibromochloromethane	8.29	129	89896	21.756	ug/L	99
51) 1,2-Dibromoethane	8.40	107	77108	21.743	ug/L	98
52) Chlorobenzene	8.92	112	272817	21.894	ug/L	98
53) Ethylbenzene	9.05	91	475454	21.287	ug/L	99
54) m,p-Xylene	9.18	106	175360	21.107	ug/L	100
55) o-xylene	9.59	106	178255	21.816	ug/L	99
56) Styrene	9.60	104	305746	22.277	ug/L	98
57) Isopropylbenzene	9.97	105	452771	20.753	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	104962	21.125	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	83544	22.237	ug/L	100
62) Bromoform	9.78	173	47491	21.005	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	207281	22.064	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	210105	22.039	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	202544	22.771	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	17844	20.676	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	149958	21.354	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	121566	21.573	ug/L	98
69) Naphthalene	13.55	128	256333	22.127	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	117323	22.448	ug/L	98

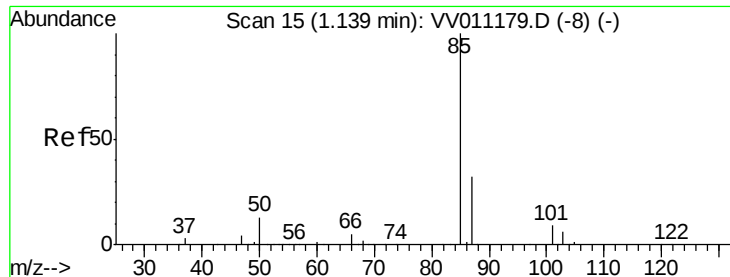
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 19.711 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

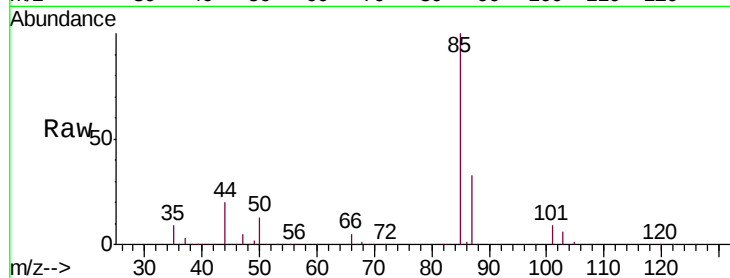
VSTD02583

Tgt Ion: 85 Resp: 96580

Ion Ratio Lower Upper

85 100

87 32.7 22.8 42.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

120000

100000

80000

60000

40000

20000

0

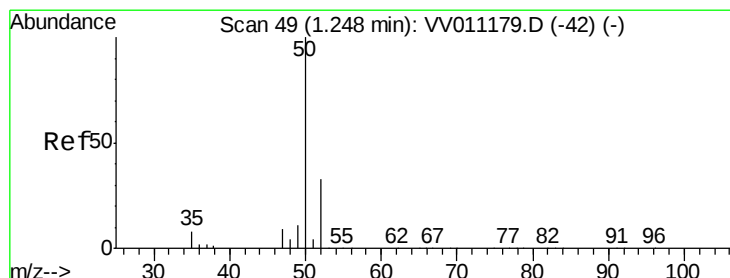
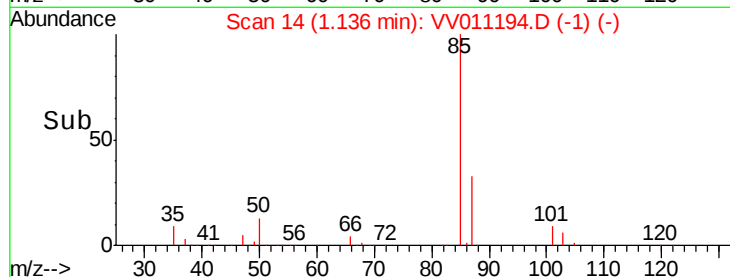
1.10

1.14

1.15

1.20

Time-->



#3

Chloromethane

Concen: 22.709 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011194.D

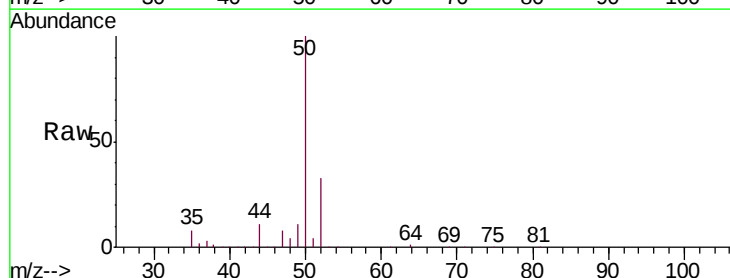
Acq: 01 Jun 2019 00:50

Tgt Ion: 50 Resp: 108793

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

100000

50000

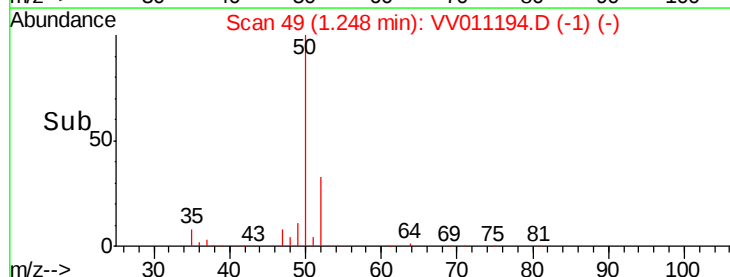
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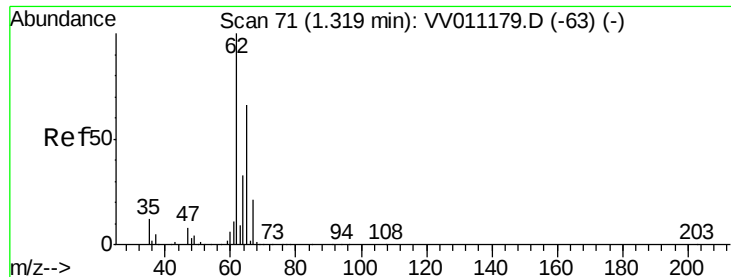
1.20

1.25

1.30

Time-->





#5

Vinyl chloride

Concen: 20.928 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

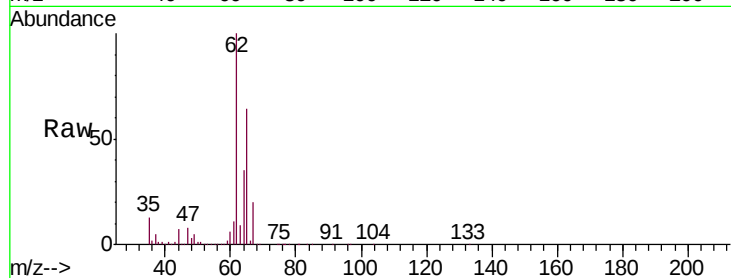
VSTD02583

Tgt Ion: 62 Resp: 99952

Ion Ratio Lower Upper

62 100

64 34.9 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

120000

100000

80000

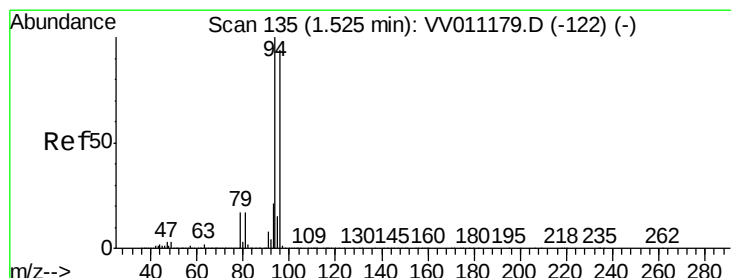
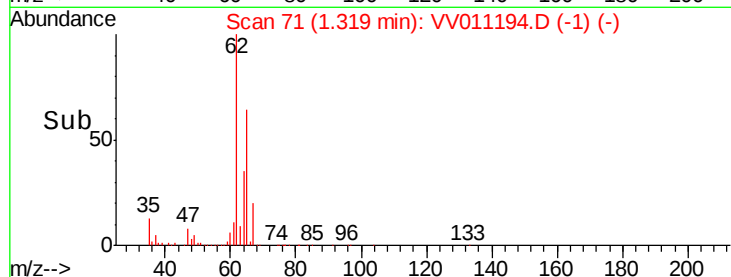
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 21.697 ug/L

RT: 1.51 min Scan# 130

Delta R.T. -0.02 min

Lab File: VV011194.D

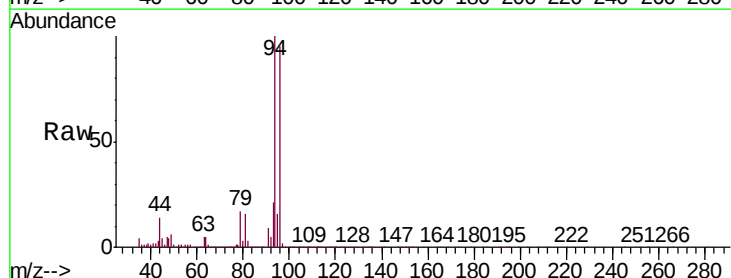
Acq: 01 Jun 2019 00:50

Tgt Ion: 94 Resp: 55861

Ion Ratio Lower Upper

94 100

96 95.1 9.4 179.5



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.51

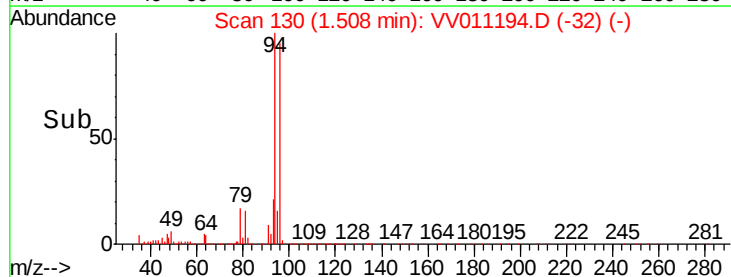
60000

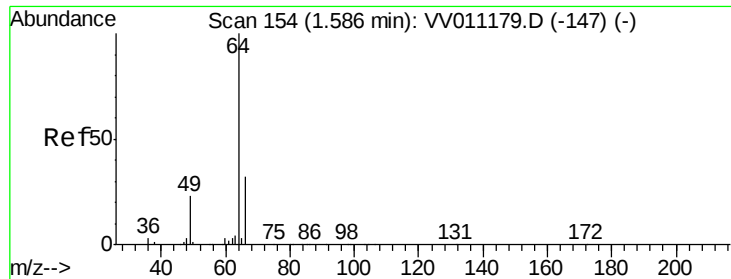
40000

20000

0

Time-->





#8

Chloroethane

Concen: 22.672 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.01 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

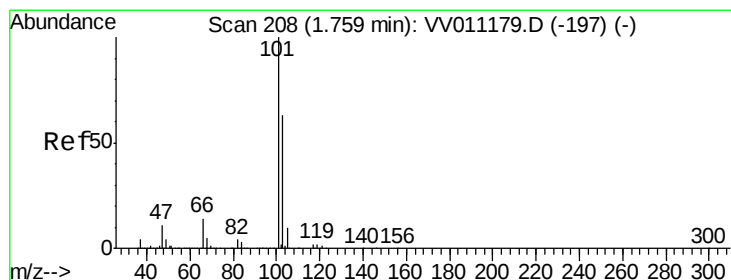
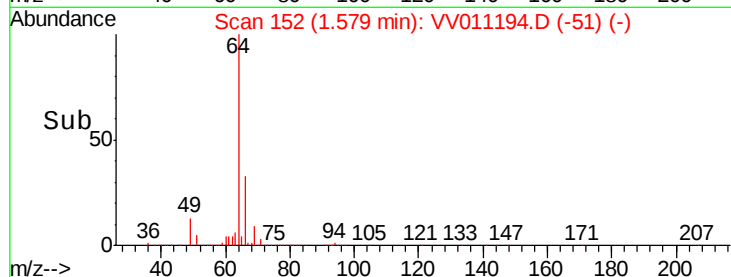
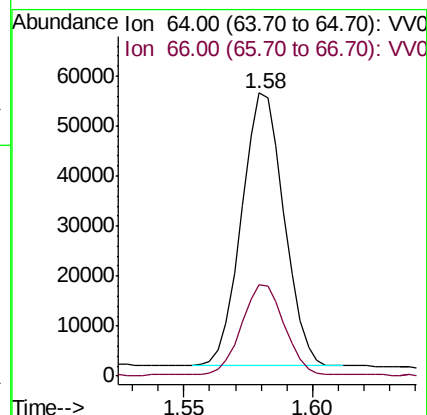
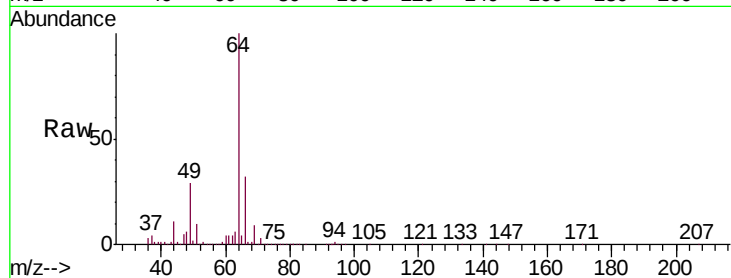
VSTD02583

Tgt Ion: 64 Resp: 62649

Ion Ratio Lower Upper

64 100

66 32.3 21.7 40.3



#9

Trichlorofluoromethane

Concen: 20.368 ug/L

RT: 1.76 min Scan# 207

Delta R.T. -0.00 min

Lab File: VV011194.D

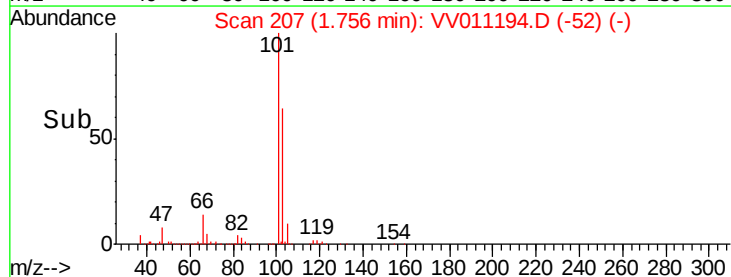
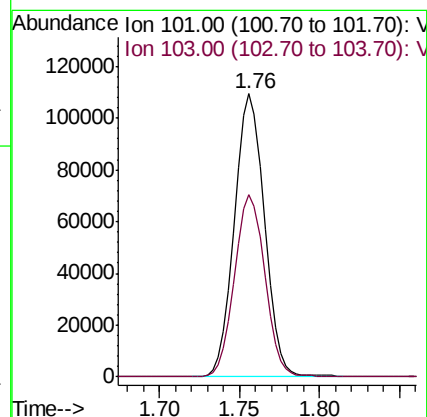
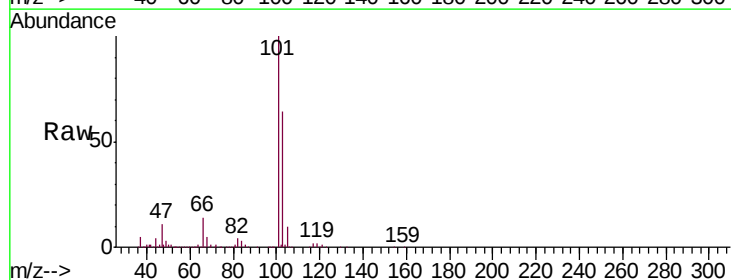
Acq: 01 Jun 2019 00:50

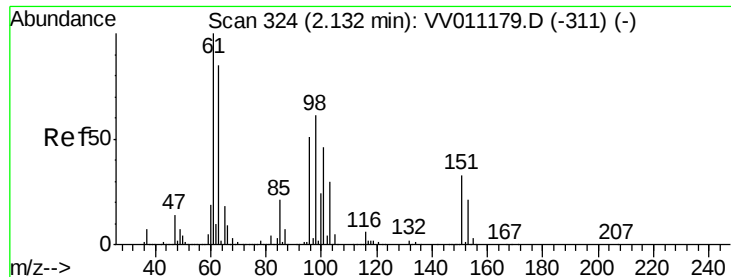
Tgt Ion: 101 Resp: 139966

Ion Ratio Lower Upper

101 100

103 64.9 44.4 82.4





#11

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

Concen: 19.088 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

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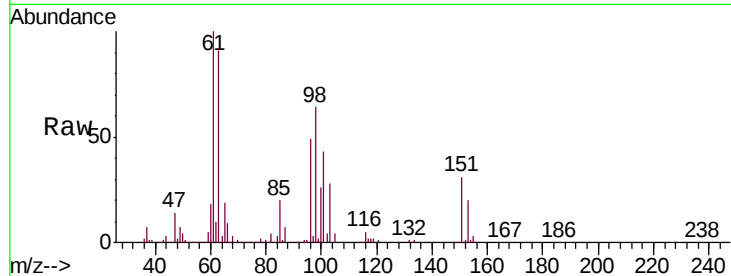
Tgt Ion:101 Resp: 70252

Ion Ratio Lower Upper

101 100

85 46.3 37.4 56.2

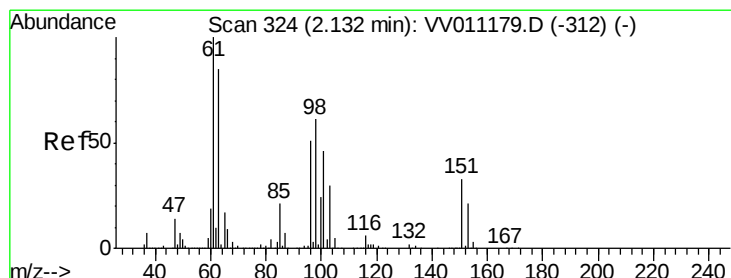
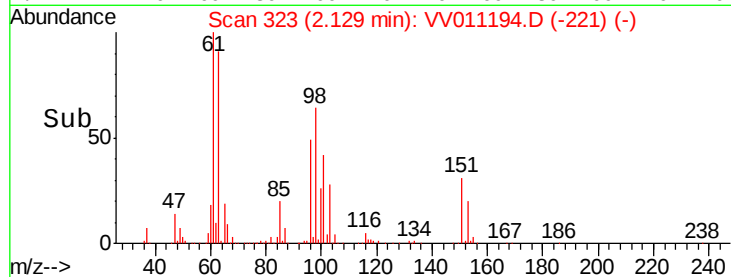
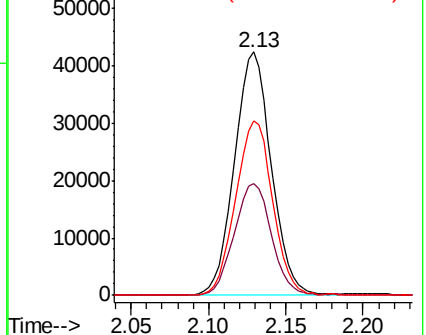
151 71.9 57.1 85.7



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: 20.514 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

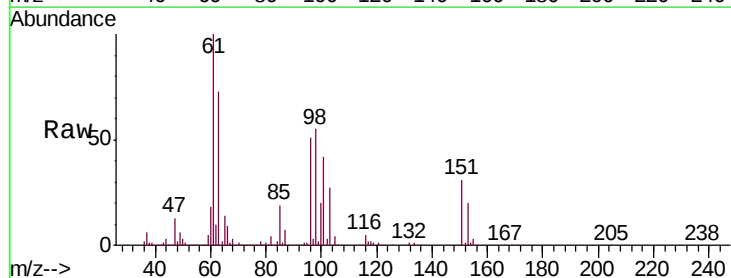
Tgt Ion: 96 Resp: 69942

Ion Ratio Lower Upper

96 100

61 196.9 141.6 263.0

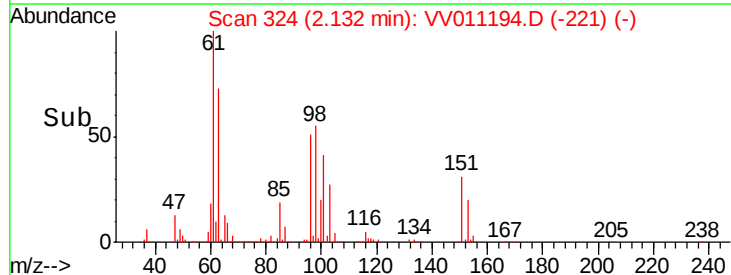
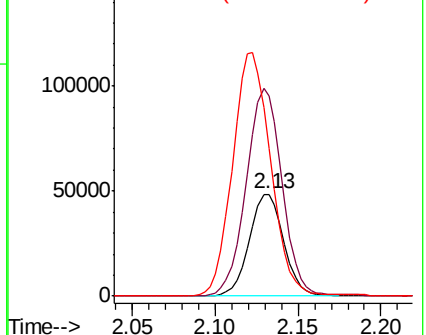
63 144.4 114.4 212.4

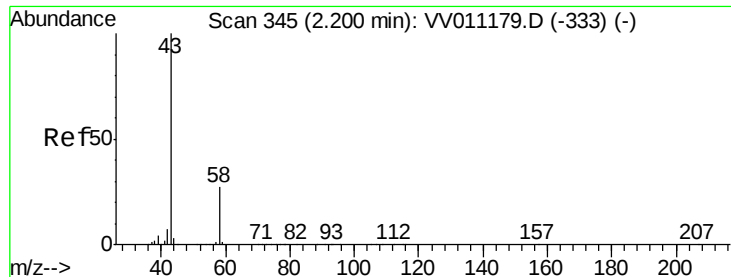


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.564 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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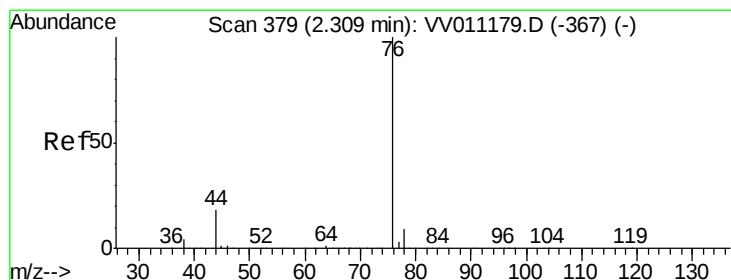
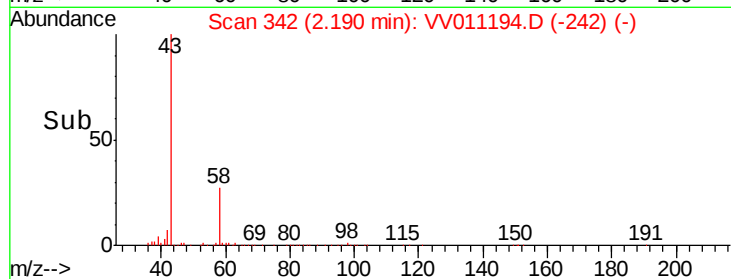
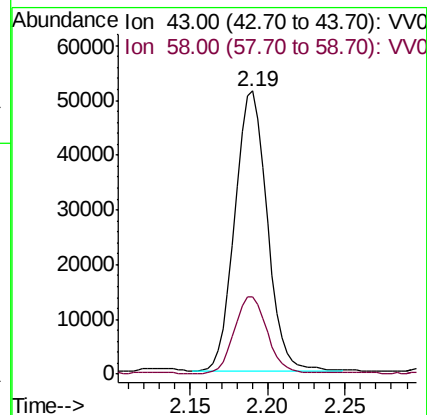
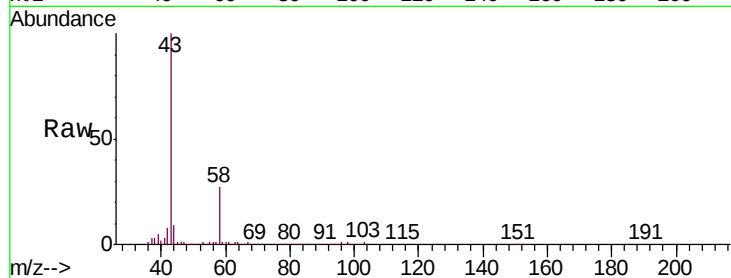
VSTD02583

Tgt Ion: 43 Resp: 74298

Ion Ratio Lower Upper

43 100

58 27.8 0.0 53.8



#14

Carbon disulfide

Concen: 19.824 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV011194.D

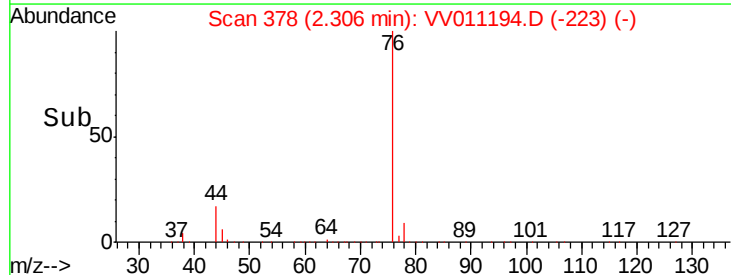
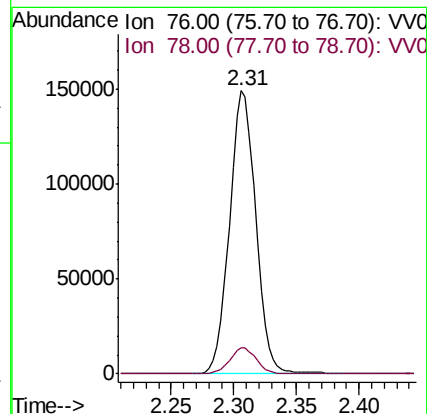
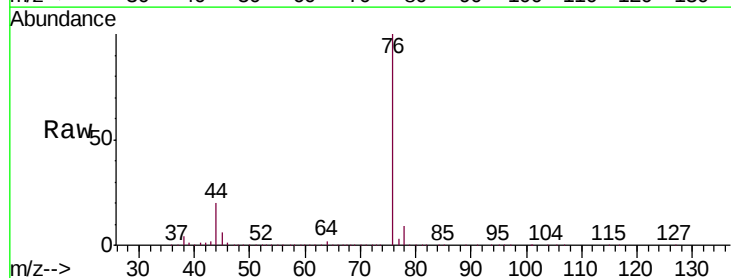
Acq: 01 Jun 2019 00:50

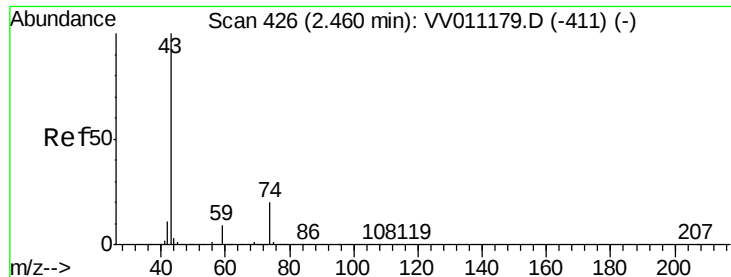
Tgt Ion: 76 Resp: 217066

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

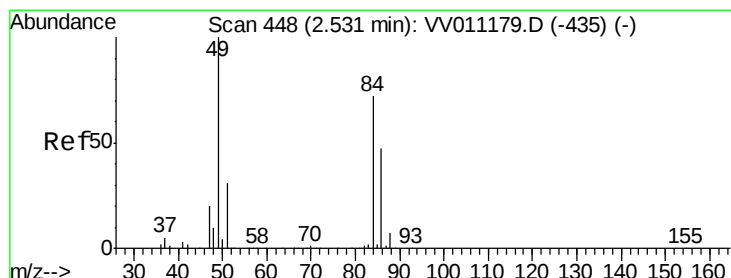
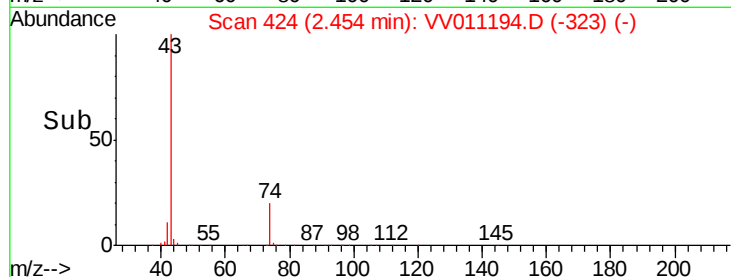
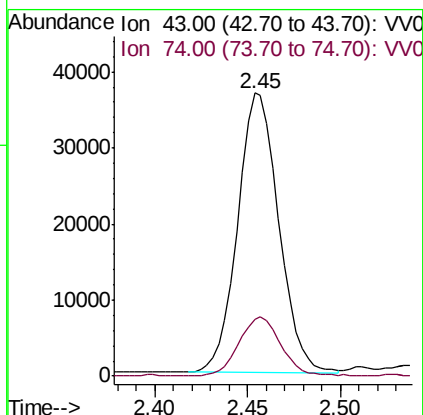
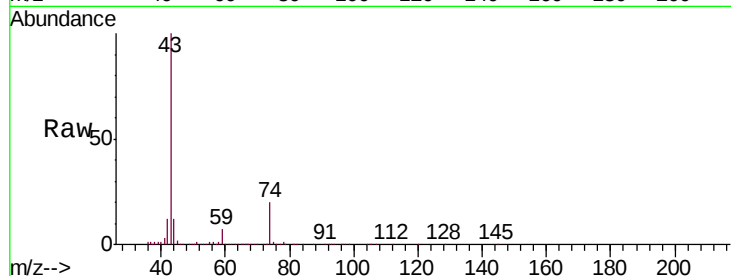




#15
Methyl Acetate
Concen: 21.485 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

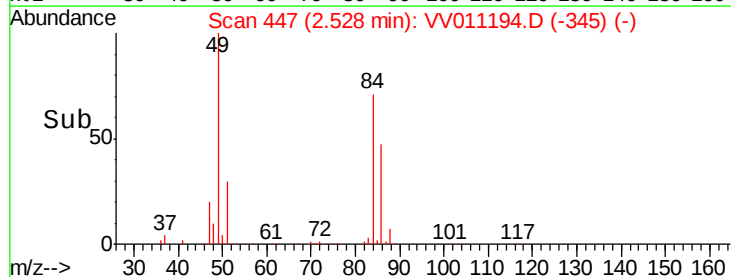
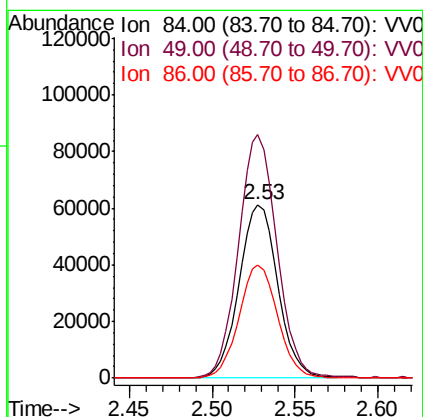
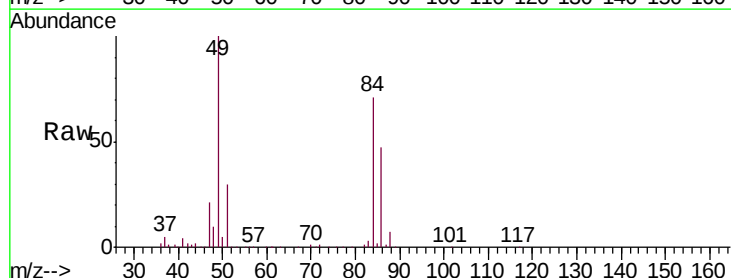
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

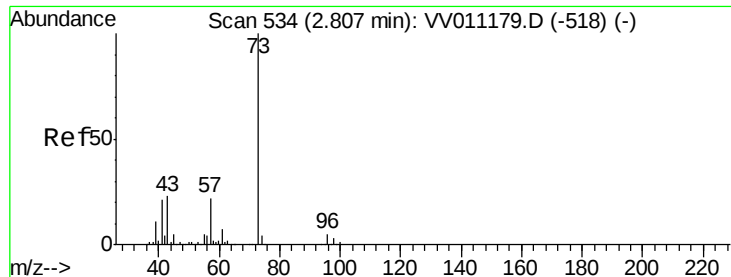
Tgt Ion: 43 Resp: 56432
Ion Ratio Lower Upper
43 100
74 20.8 16.2 24.4



#16
Methylene chloride
Concen: 21.508 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Tgt Ion: 84 Resp: 99453
Ion Ratio Lower Upper
84 100
49 140.2 96.1 178.5
86 65.3 45.0 83.6





#17

Methyl tert-butyl Ether

Concen: 22.161 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

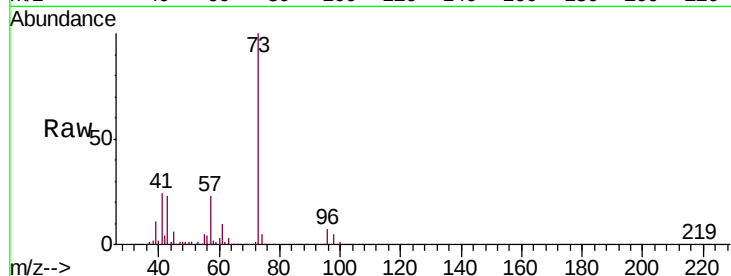
Tgt Ion: 73 Resp: 261928

Ion Ratio Lower Upper

73 100

43 22.5 17.5 26.3

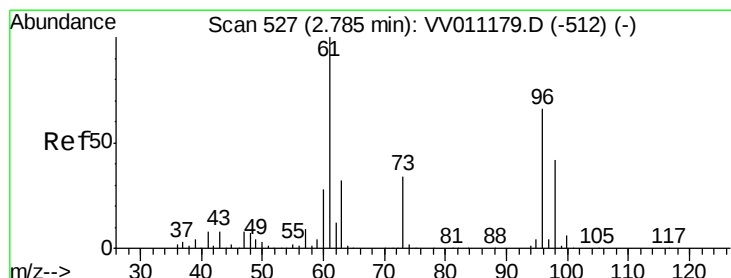
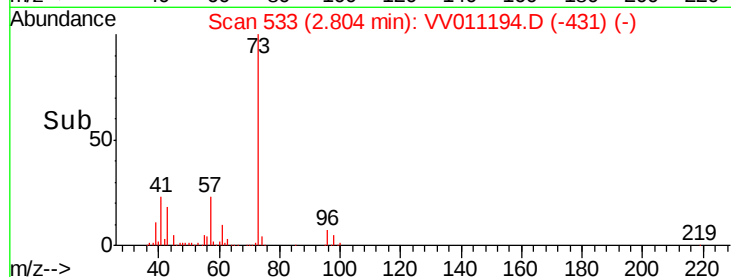
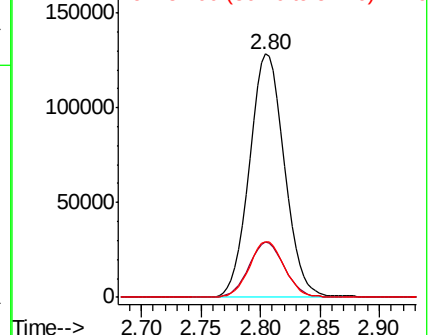
57 22.8 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0



#18

trans-1,2-Dichloroethene

Concen: 21.151 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

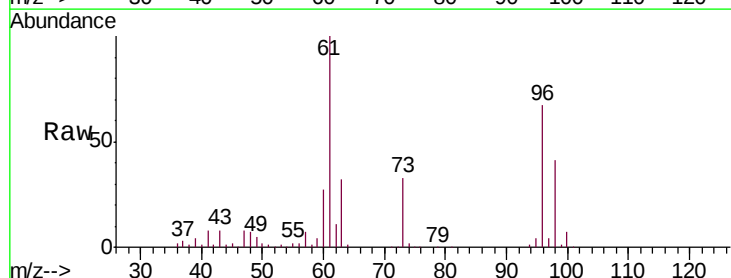
Tgt Ion: 96 Resp: 87840

Ion Ratio Lower Upper

96 100

61 149.7 102.6 190.5

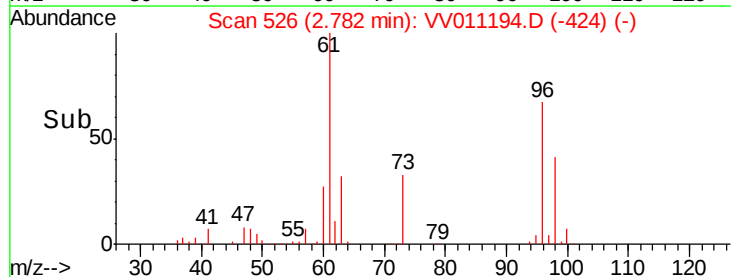
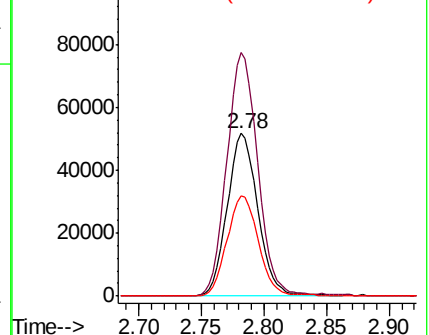
98 61.5 43.3 80.3

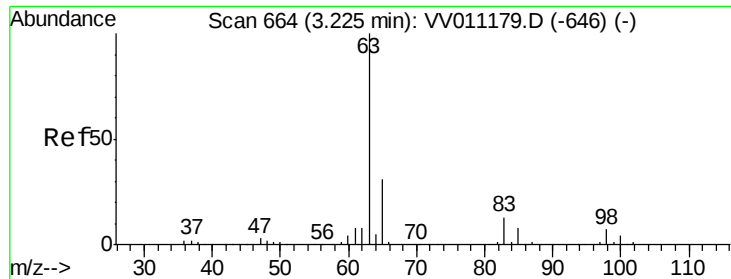


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

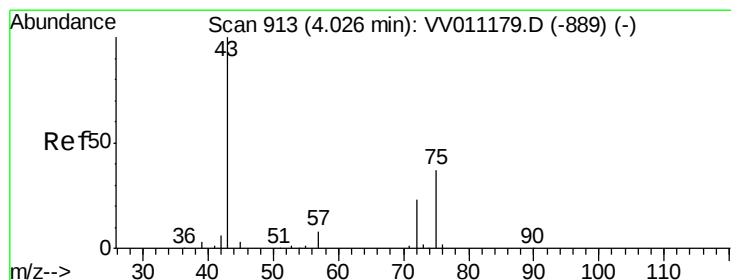
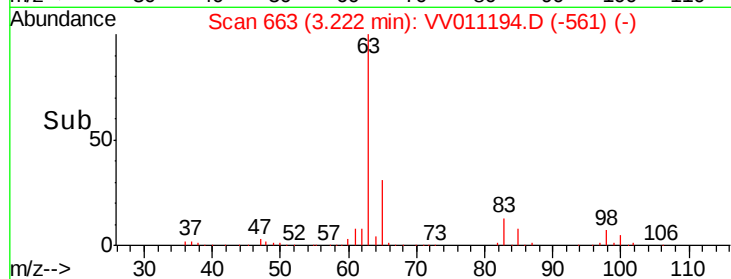
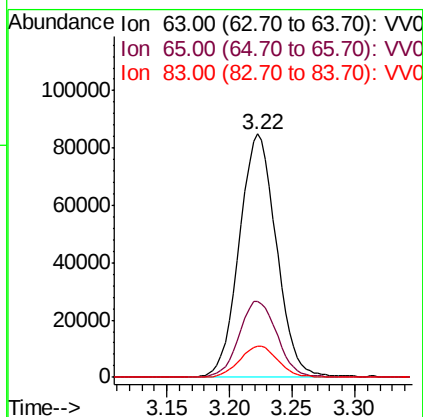
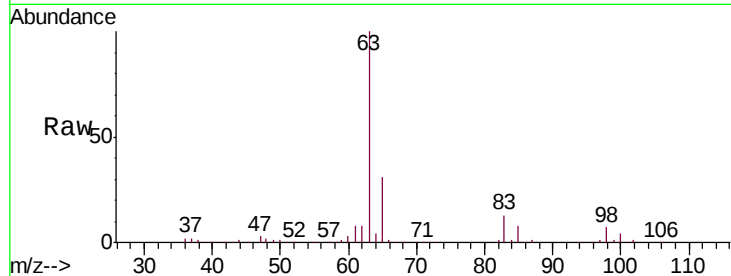




#19
 1,1-Dichloroethane
 Concen: 21.717 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

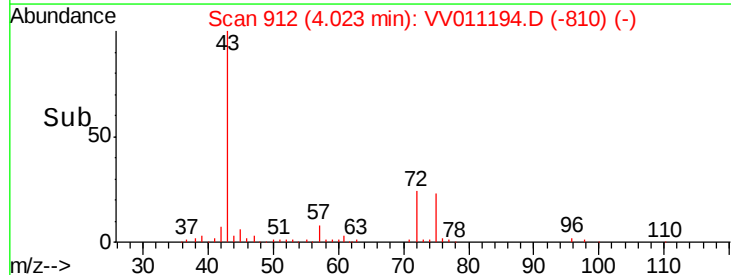
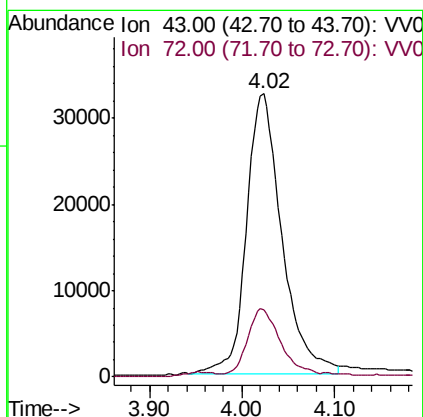
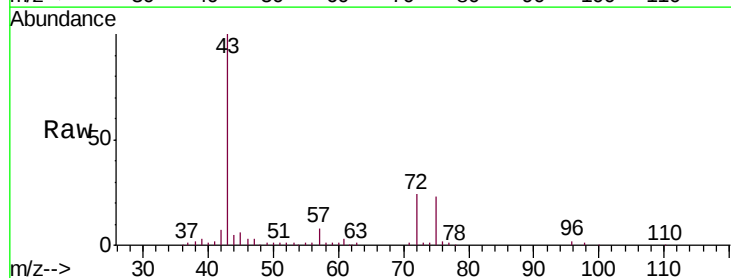
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

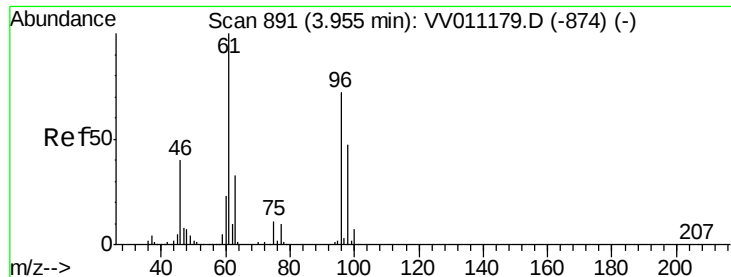
Tgt Ion: 63 Resp: 174506
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.7 42.3
 83 12.8 9.2 17.0



#21
 2-Butanone
 Concen: 41.895 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

Tgt Ion: 43 Resp: 85796
 Ion Ratio Lower Upper
 43 100
 72 22.1 11.1 33.3



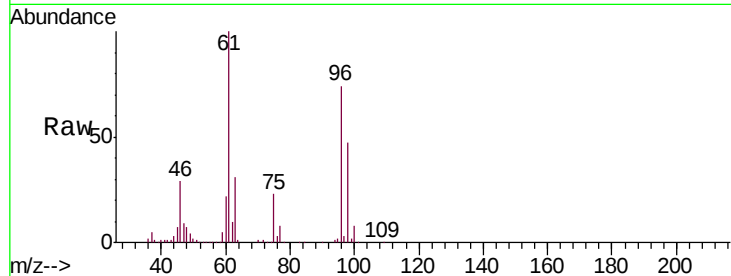


#22

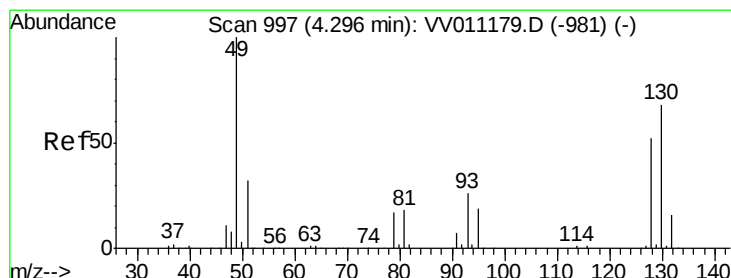
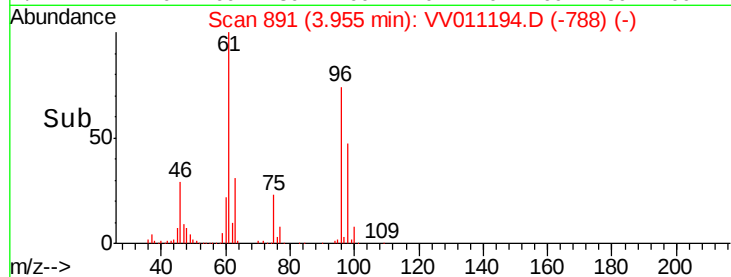
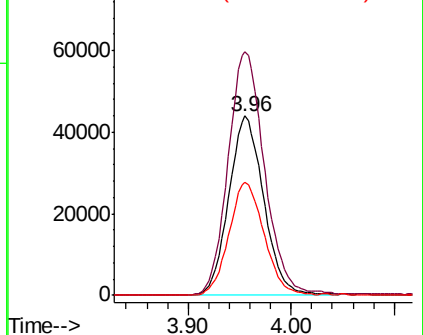
cis-1,2-Dichloroethene
Concen: 22.403 ug/L
RT: 3.96 min Scan# 891
Delta R.T. 0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Tgt Ion: 96 Resp: 103914
Ion Ratio Lower Upper
96 100
61 135.7 97.4 181.0
98 63.2 45.0 83.6



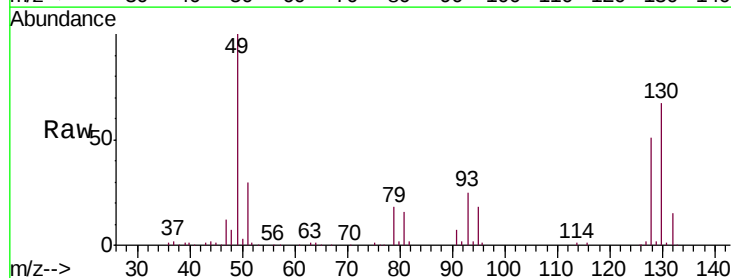
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



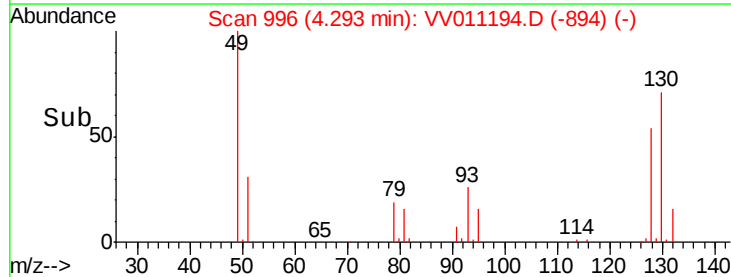
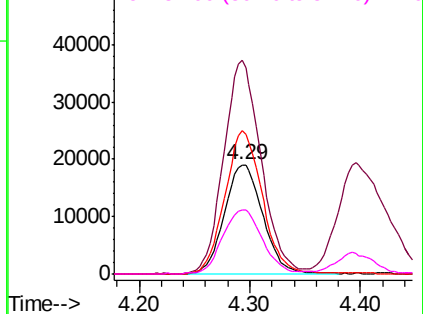
#23

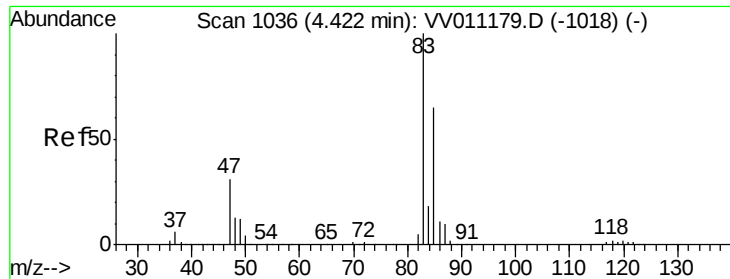
Bromochloromethane
Concen: 22.510 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Tgt Ion: 128 Resp: 45941
Ion Ratio Lower Upper
128 100
49 195.4 125.4 233.0
130 131.2 83.3 154.7
51 58.8 44.8 67.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

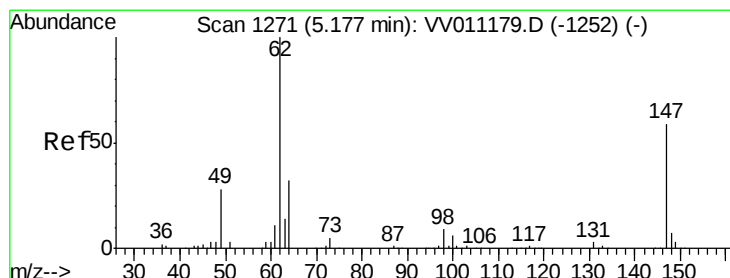
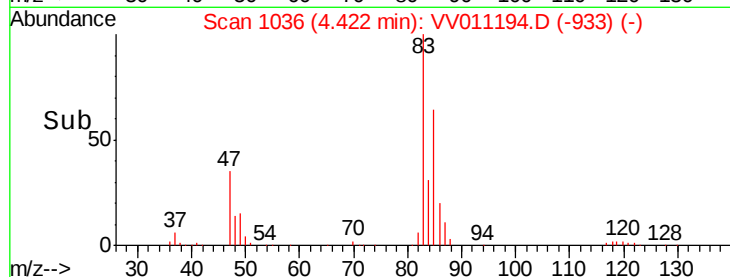
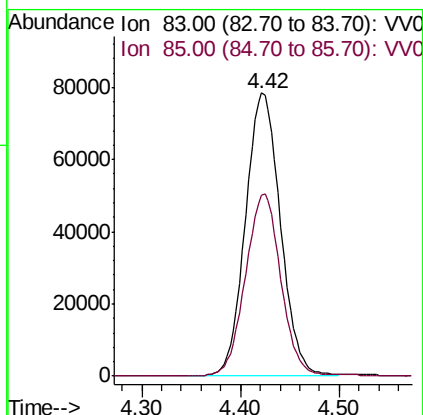
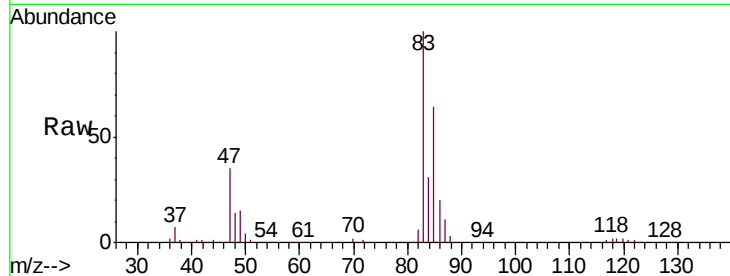




#25
Chloroform
Concen: 22.403 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

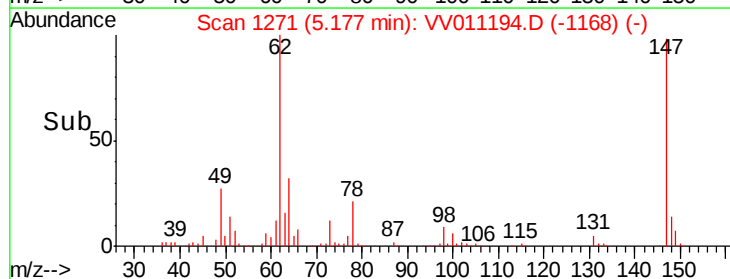
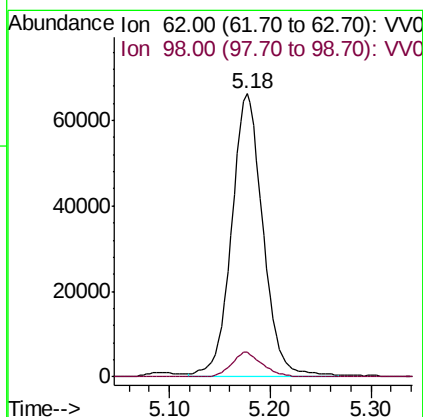
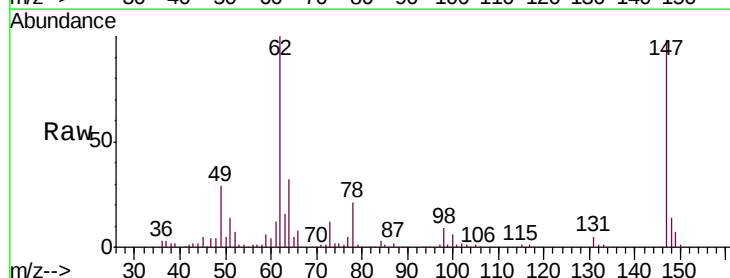
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

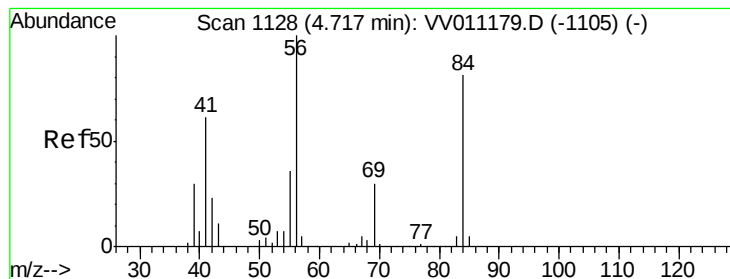
Tgt Ion: 83 Resp: 192329
Ion Ratio Lower Upper
83 100
85 65.2 45.6 84.6



#27
1,2-Dichloroethane
Concen: 23.794 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Tgt Ion: 62 Resp: 143039
Ion Ratio Lower Upper
62 100
98 8.6 7.4 11.0





#30

Cyclohexane

Concen: 17.831 ug/L

RT: 4.72 min Scan# 1128

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

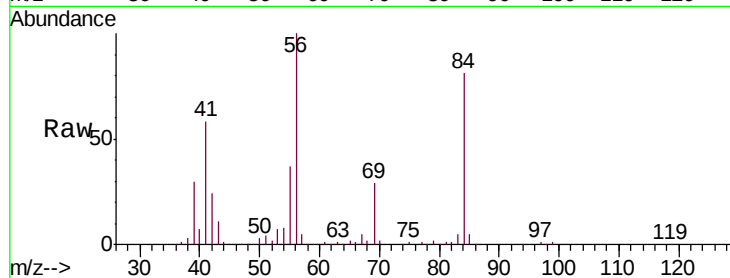
Tgt Ion: 56 Resp: 143438

Ion Ratio Lower Upper

56 100

69 29.6 23.4 35.0

84 82.3 65.8 98.8

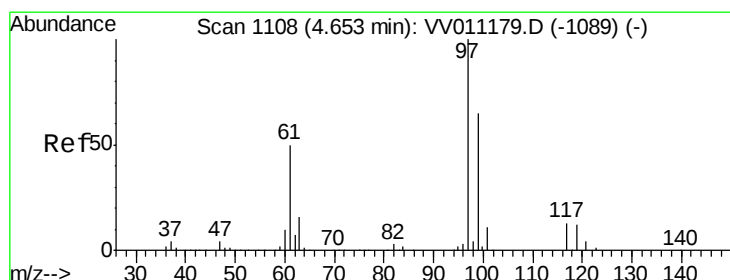
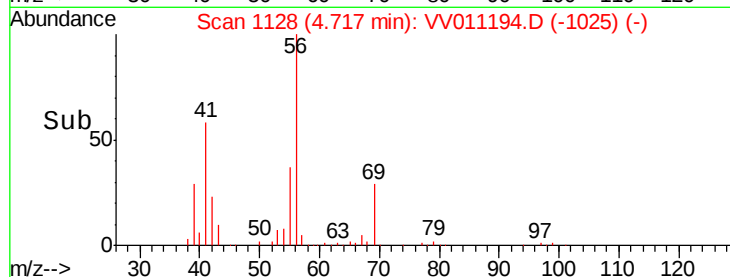
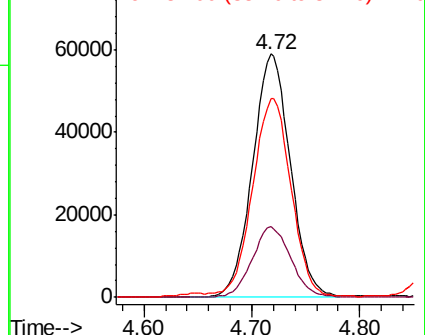


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 20.463 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

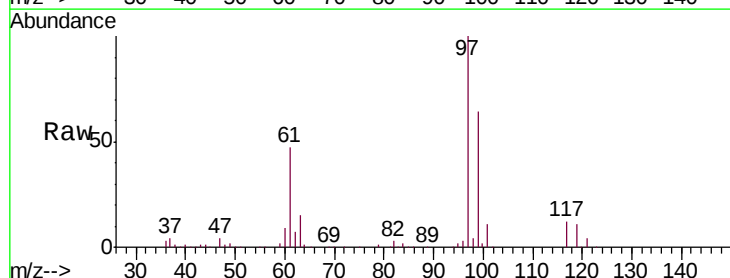
Tgt Ion: 97 Resp: 140973

Ion Ratio Lower Upper

97 100

99 63.5 51.3 76.9

61 48.5 38.4 57.6

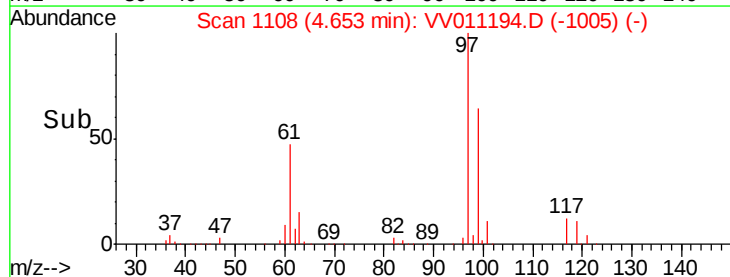
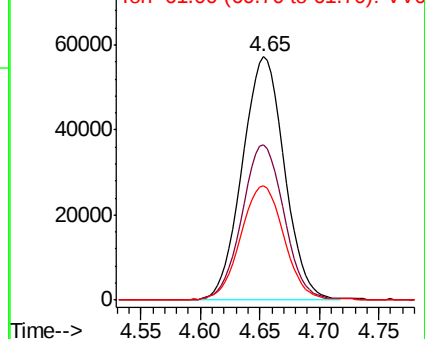


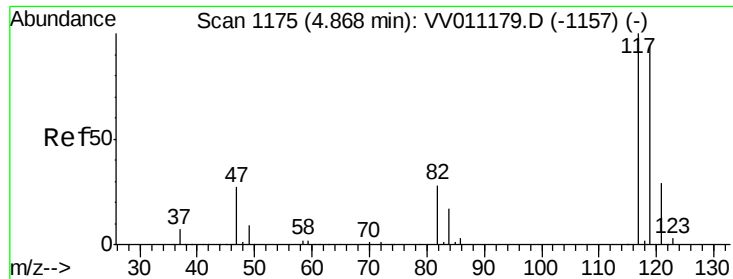
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 19.127 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

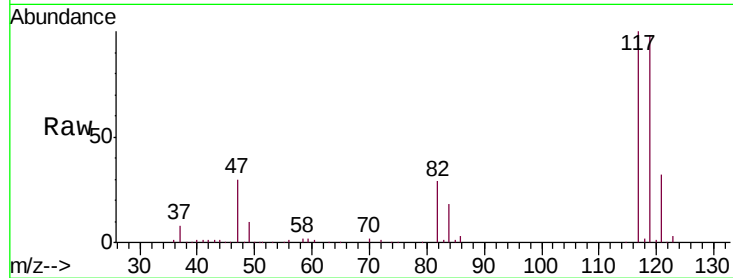
VSTD02583

Tgt Ion:117 Resp: 111710

Ion Ratio Lower Upper

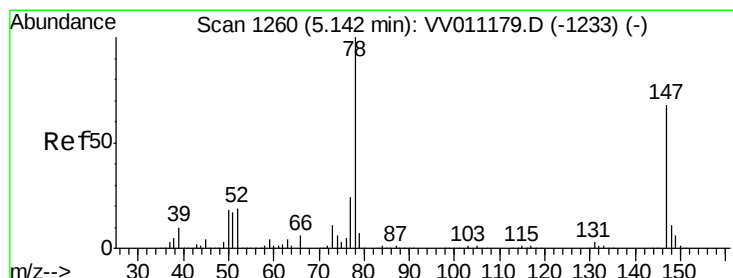
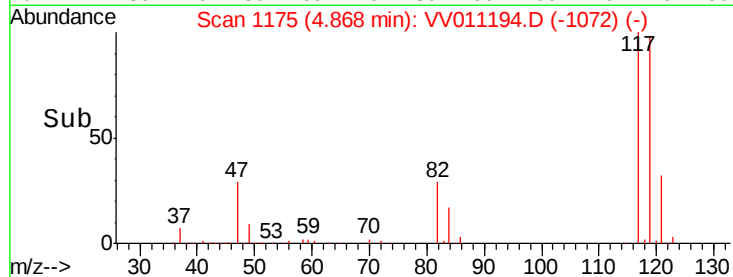
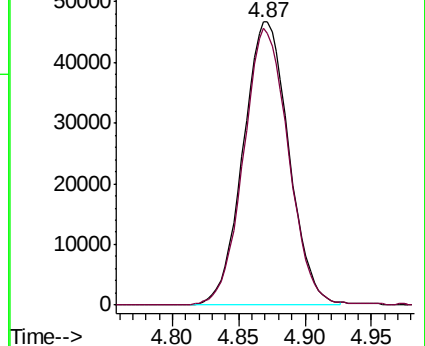
117 100

119 96.0 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 21.498 ug/L

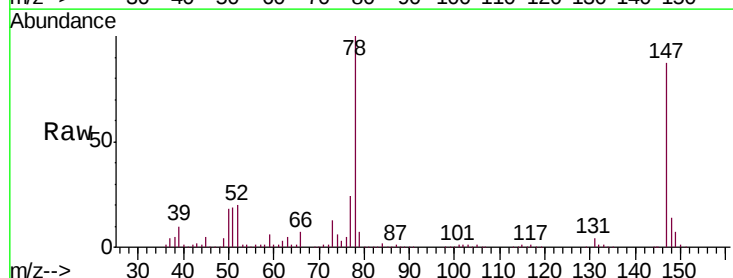
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Tgt Ion: 78 Resp: 383375



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

150000

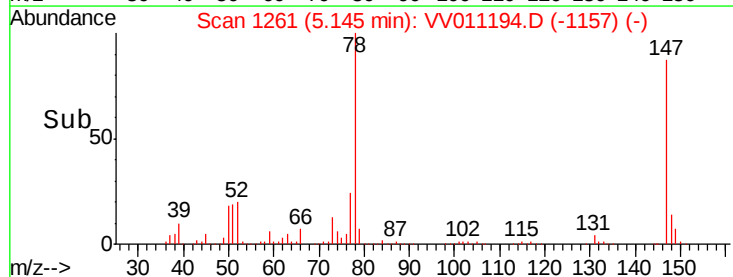
100000

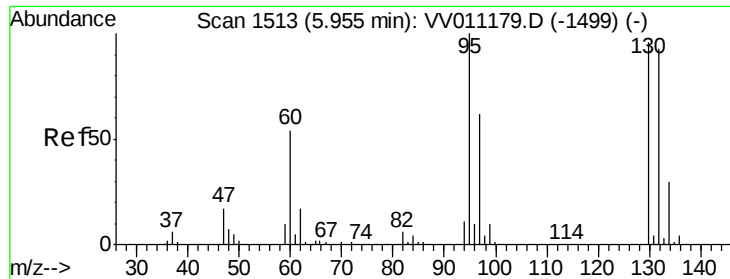
50000

0

Time-->

5.00 5.10 5.20 5.30





#35

Trichloroethene

Concen: 21.063 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

Tgt Ion: 95 Resp: 98490

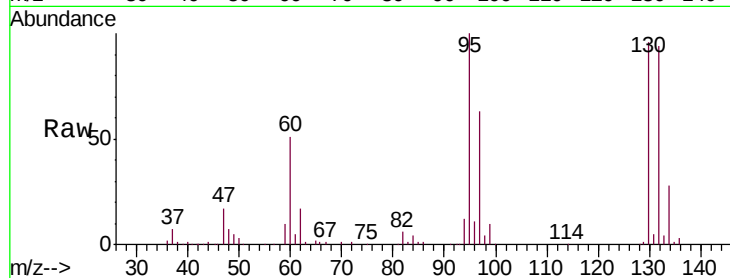
Ion Ratio Lower Upper

95 100

97 64.2 44.4 82.5

132 95.1 66.0 122.6

130 96.4 67.4 125.2

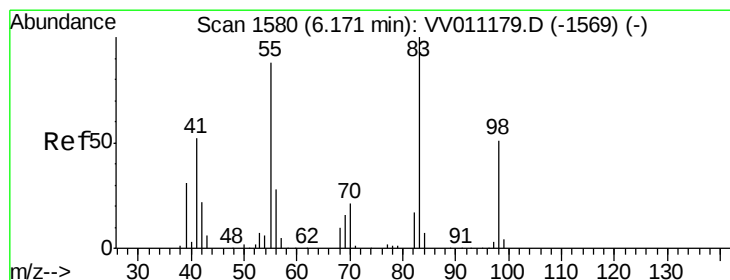
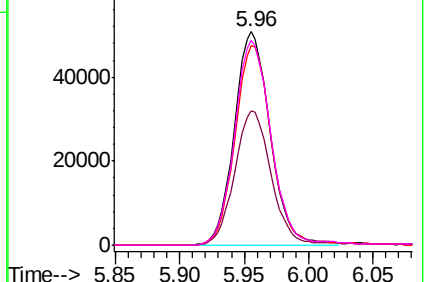
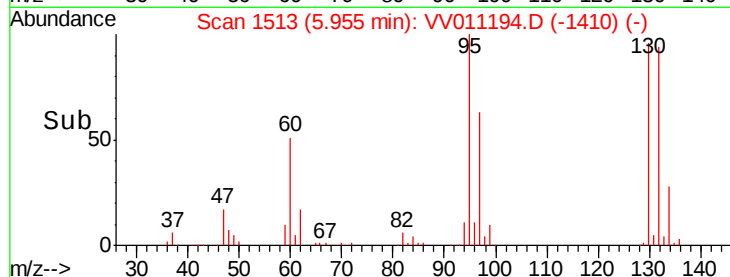


Abundance Ion 95.00 (94.70 to 95.70): VV011179.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV011179.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV011179.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV011179.D (-1499) (-)



#36

Methylcyclohexane

Concen: 17.571 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

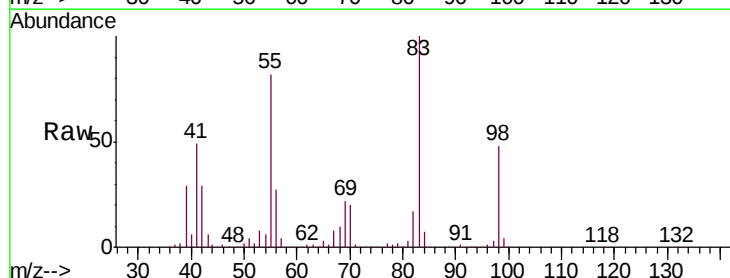
Tgt Ion: 83 Resp: 139037

Ion Ratio Lower Upper

83 100

55 83.9 66.4 99.6

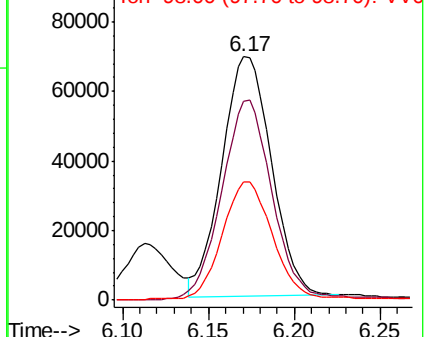
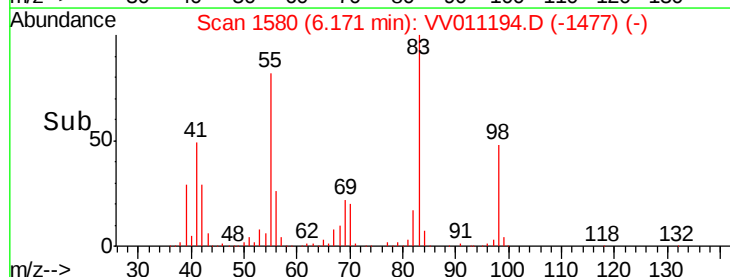
98 48.5 37.9 56.9

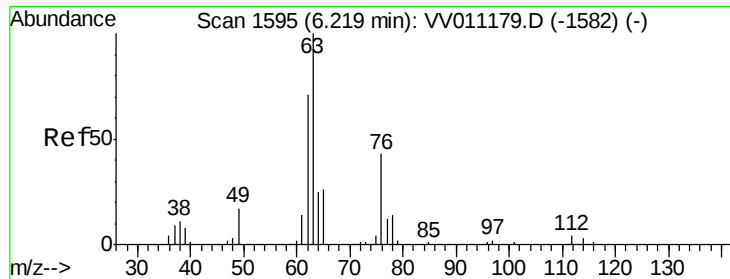


Abundance Ion 83.00 (82.70 to 83.70): VV011179.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV011179.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV011179.D (-1569) (-)

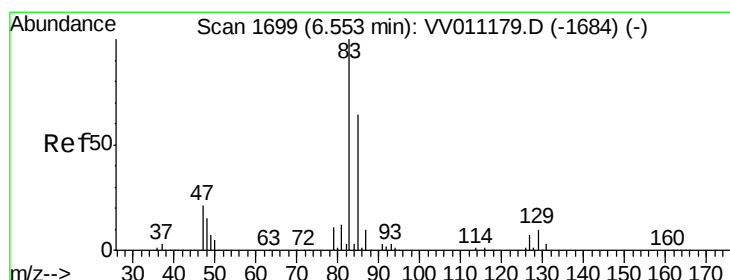
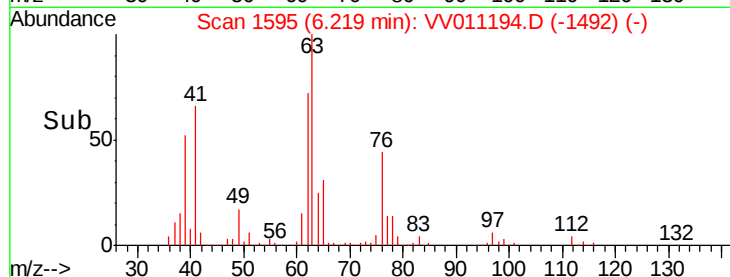
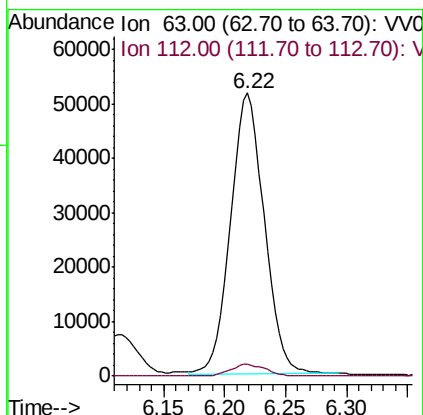
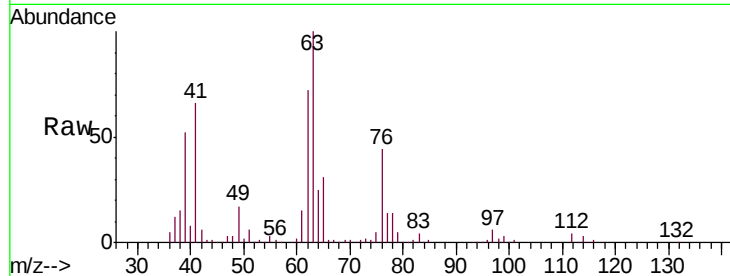




#40
 1,2-Dichloropropane
 Concen: 21.276 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

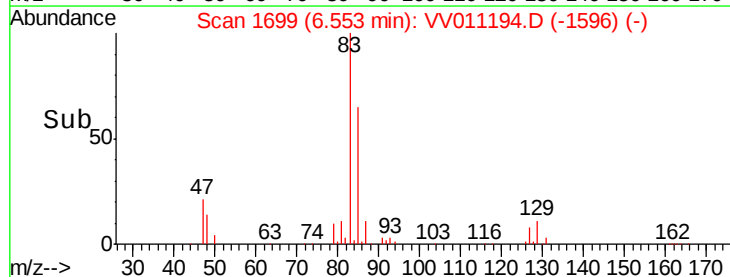
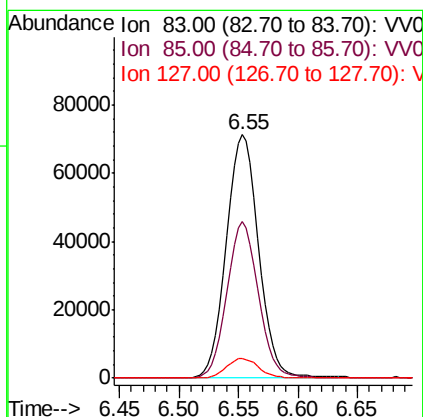
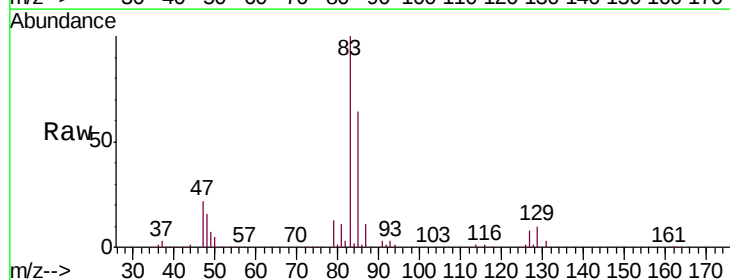
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

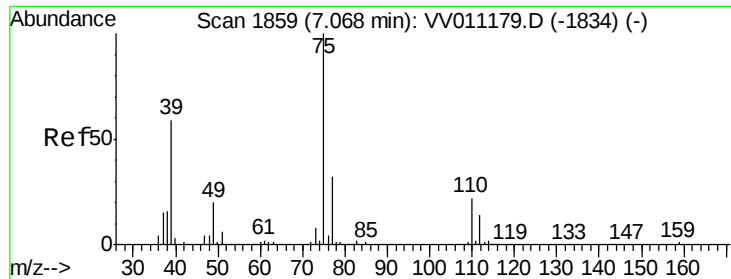
Tgt Ion: 63 Resp: 99735
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.6 5.4



#41
 Bromodichloromethane
 Concen: 21.808 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

Tgt Ion: 83 Resp: 133157
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.1 81.9
 127 8.1 6.3 9.5

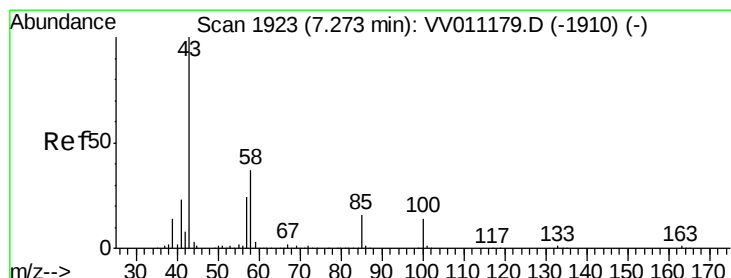
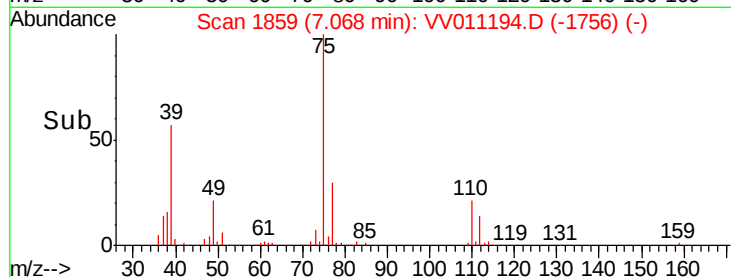
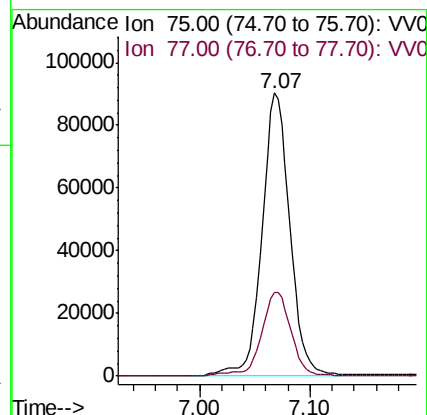
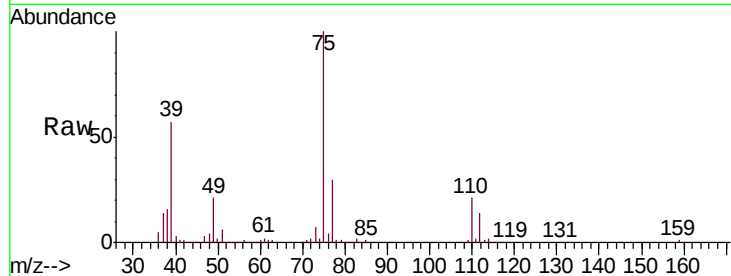




#42
 cis-1,3-Dichloropropene
 Concen: 21.325 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

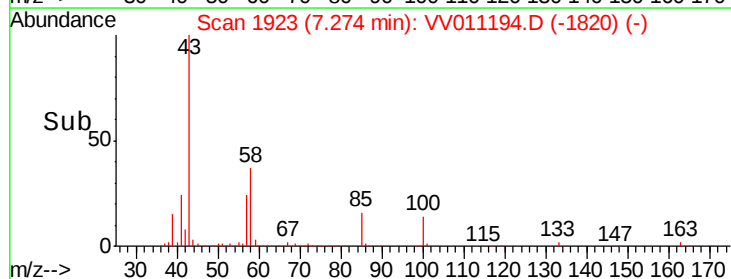
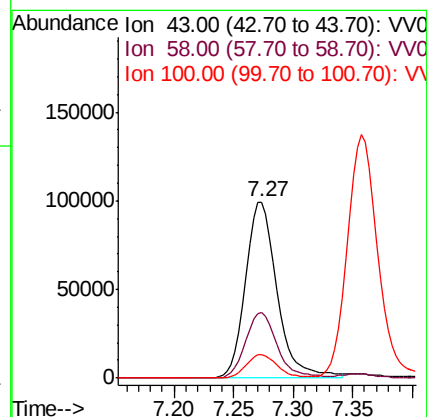
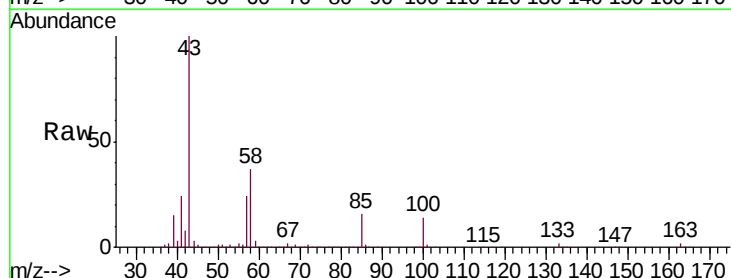
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

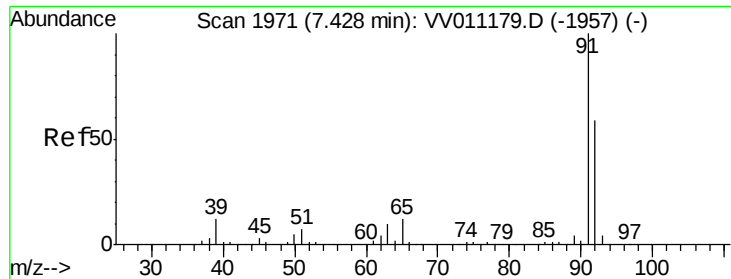
Tgt Ion: 75 Resp: 158926
 Ion Ratio Lower Upper
 75 100
 77 29.6 21.3 39.6



#43
 4-Methyl-2-pentanone
 Concen: 42.802 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

Tgt Ion: 43 Resp: 182276
 Ion Ratio Lower Upper
 43 100
 58 37.5 30.2 45.4
 100 13.4 11.3 16.9





#44

Toluene

Concen: 21.472 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

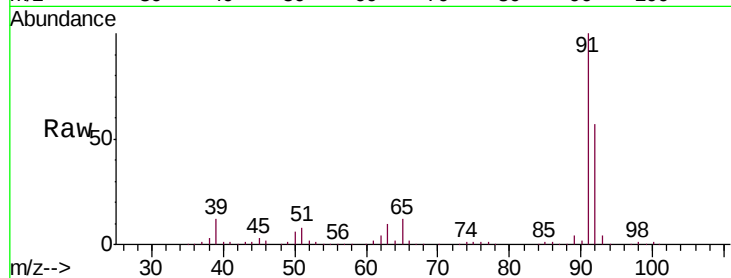
VSTD02583

Tgt Ion: 91 Resp: 417967

Ion Ratio Lower Upper

91 100

92 56.9 39.9 74.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

250000

200000

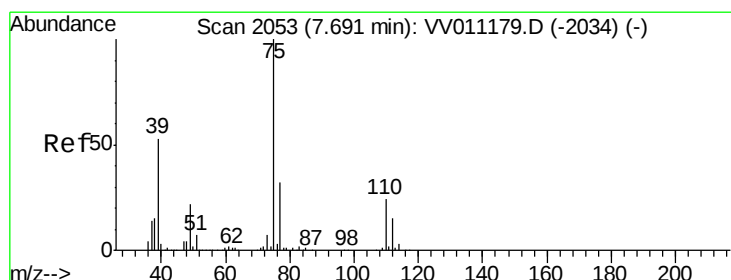
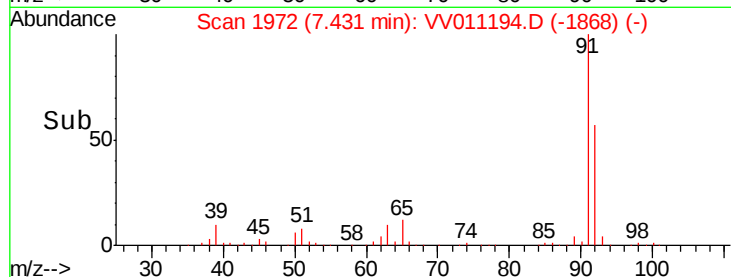
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 20.941 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011194.D

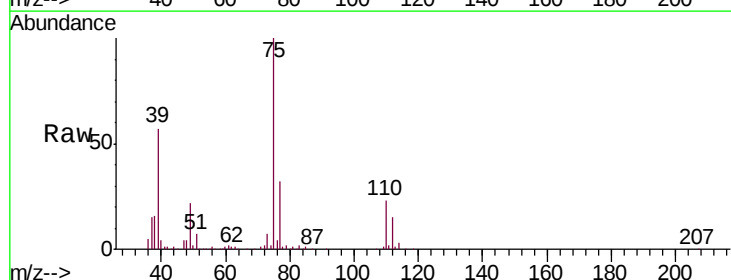
Acq: 01 Jun 2019 00:50

Tgt Ion: 75 Resp: 133206

Ion Ratio Lower Upper

75 100

77 32.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

80000

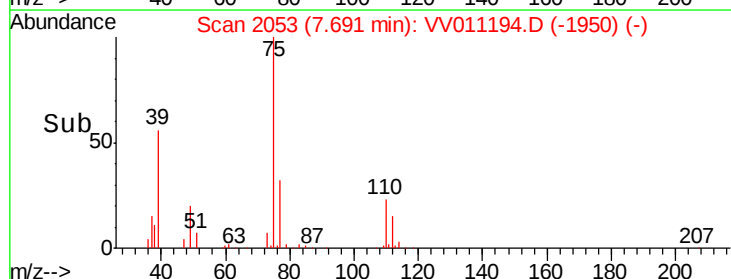
60000

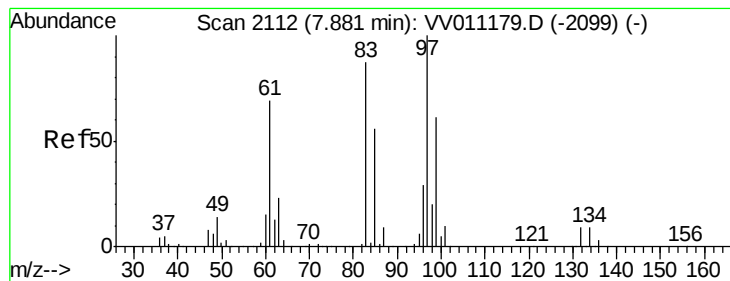
40000

20000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 22.156 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

Tgt Ion: 97 Resp: 81010

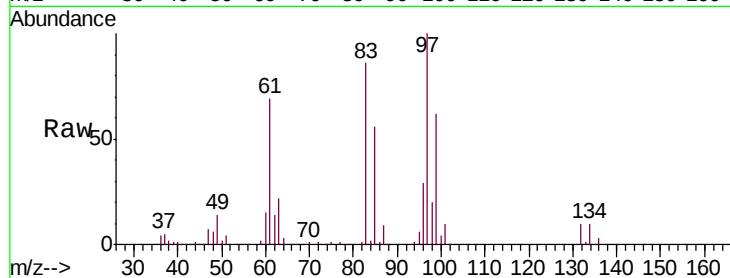
Ion Ratio Lower Upper

97 100

83 86.2 61.9 115.1

85 55.7 38.6 71.8

99 62.2 44.7 82.9

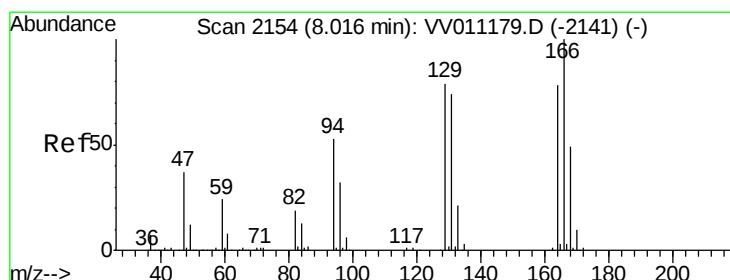
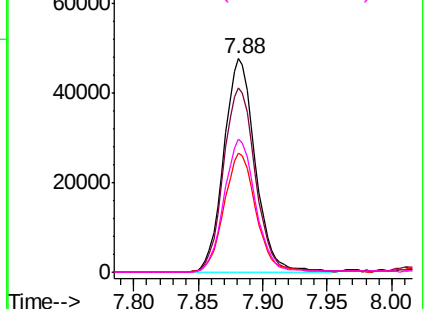
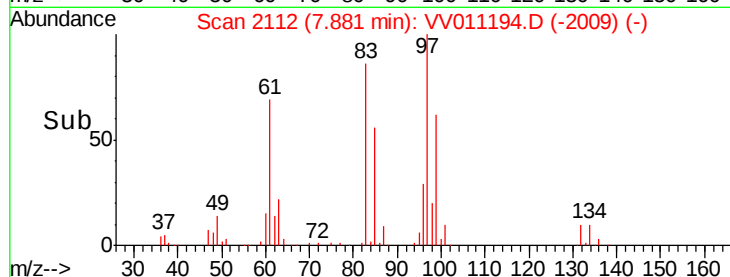


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 20.158 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Tgt Ion: 164 Resp: 69848

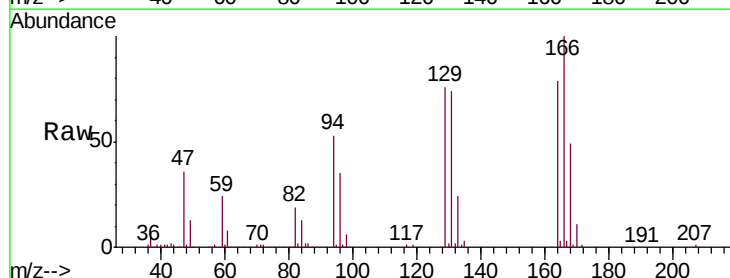
Ion Ratio Lower Upper

164 100

129 97.3 69.1 128.3

131 94.8 65.5 121.6

166 127.3 93.2 173.0

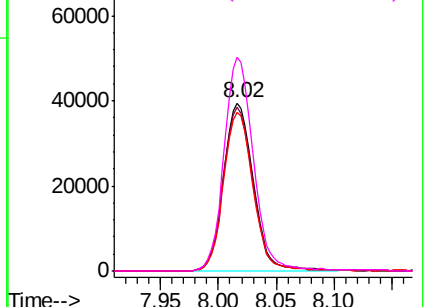
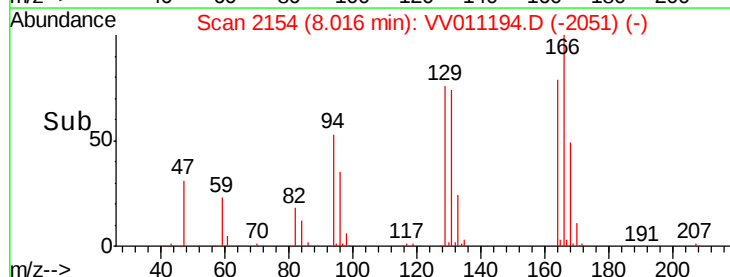


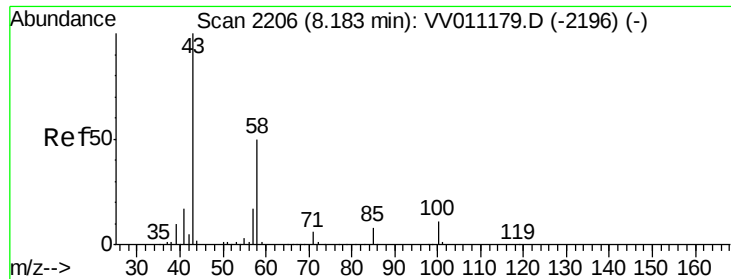
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

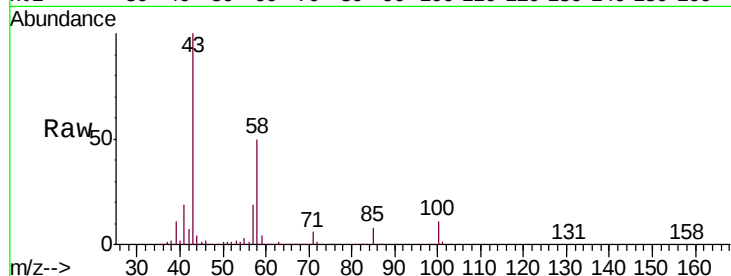




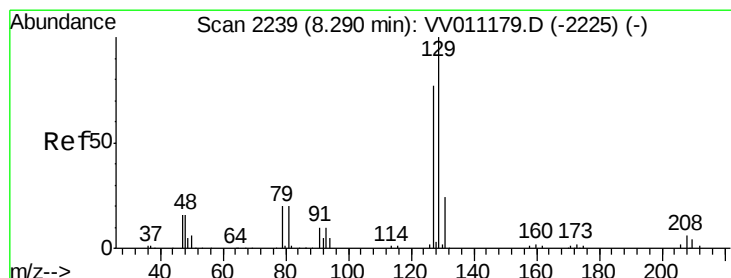
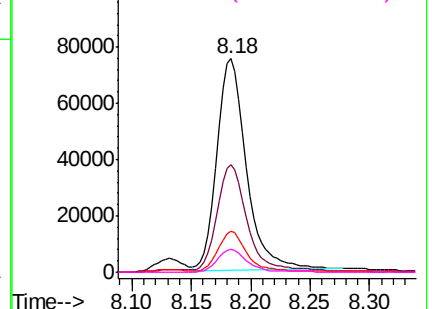
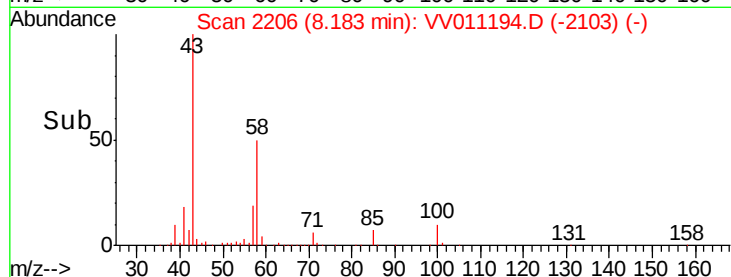
#49
2-Hexanone
Concen: 42.262 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Tgt Ion: 43 Resp: 129674
Ion Ratio Lower Upper
43 100
58 49.1 41.2 61.8
57 17.6 14.3 21.5
100 10.7 9.1 13.7

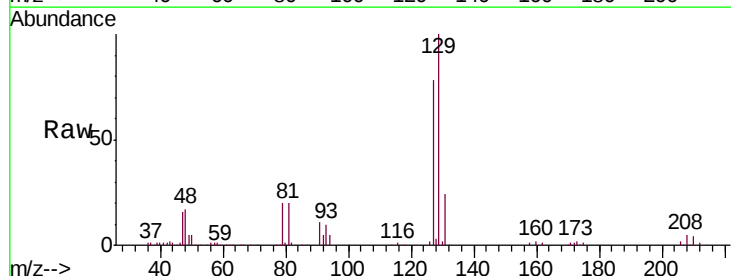


Abundance Ion 43.00 (42.70 to 43.70): VV011194.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV011194.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV011194.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV011194.D (-2196) (-)

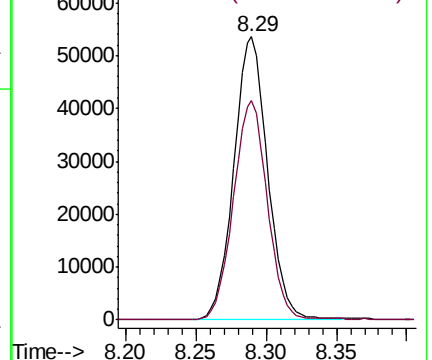
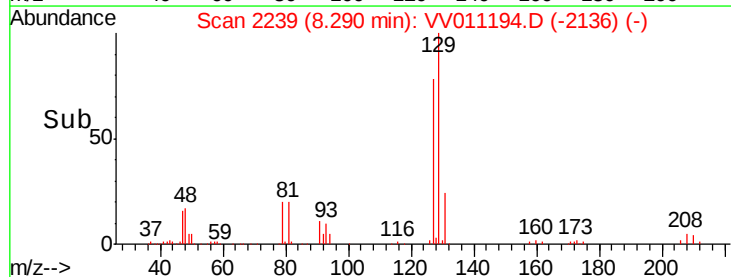


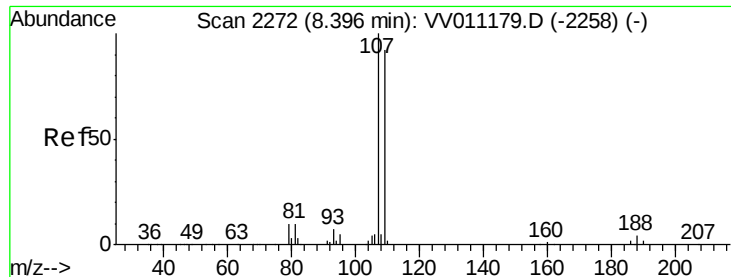
#50
Dibromochloromethane
Concen: 21.756 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011194.D
Acq: 01 Jun 2019 00:50

Tgt Ion: 129 Resp: 89896
Ion Ratio Lower Upper
129 100
127 77.7 53.8 99.8



Abundance Ion 129.00 (128.70 to 129.70): VV011194.D (-2225) (-)
Ion 127.00 (126.70 to 127.70): VV011194.D (-2225) (-)





#51

1,2-Dibromoethane

Concen: 21.743 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

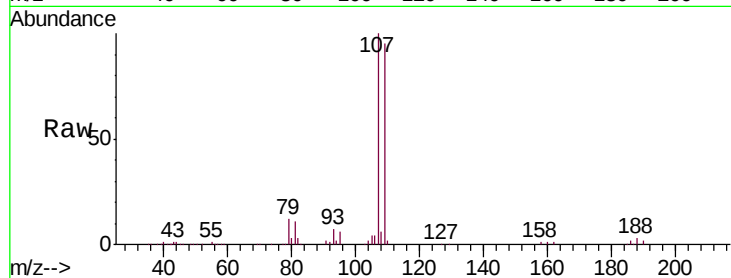
Tgt Ion:107 Resp: 77108

Ion Ratio Lower Upper

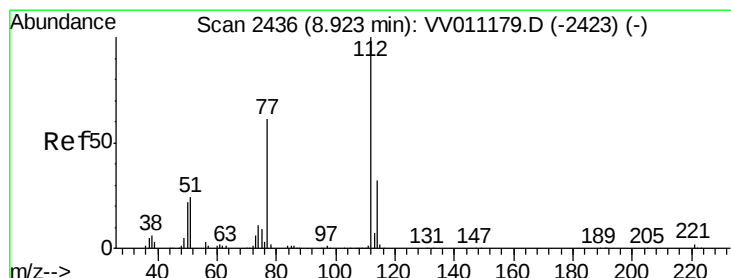
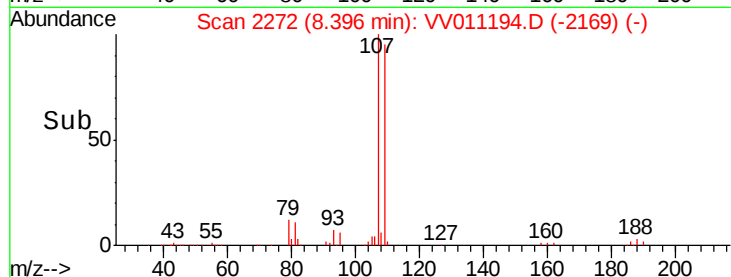
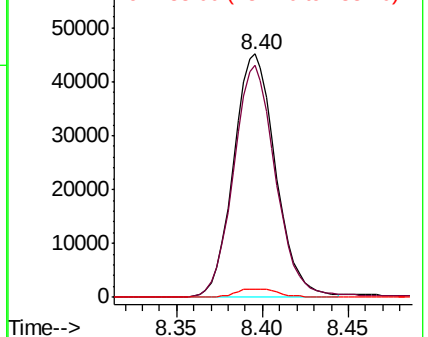
107 100

109 95.2 65.5 121.7

188 3.3 2.6 3.8



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 21.894 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

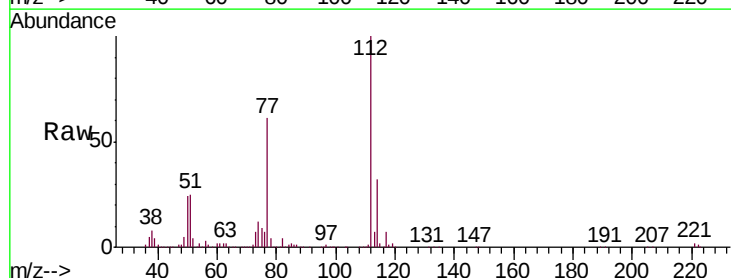
Tgt Ion:112 Resp: 272817

Ion Ratio Lower Upper

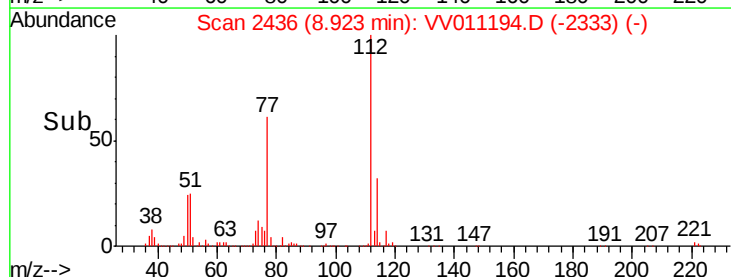
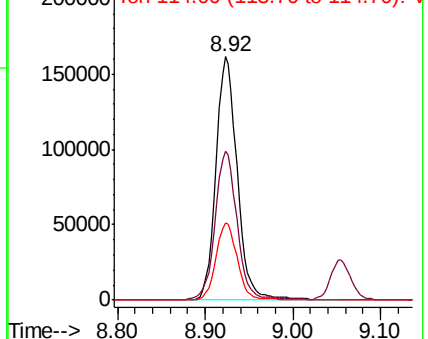
112 100

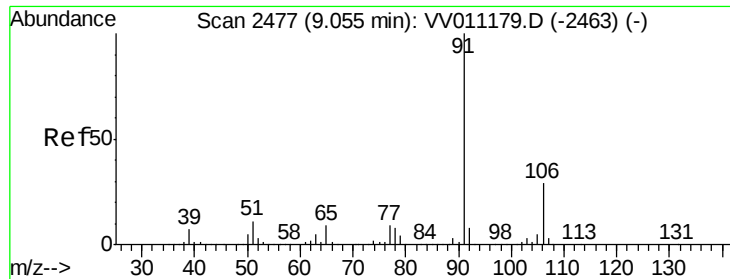
77 61.0 50.8 76.2

114 31.8 22.6 42.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 21.287 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

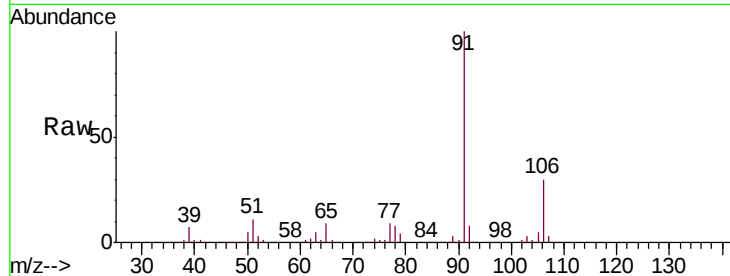
VSTD02583

Tgt Ion: 91 Resp: 475454

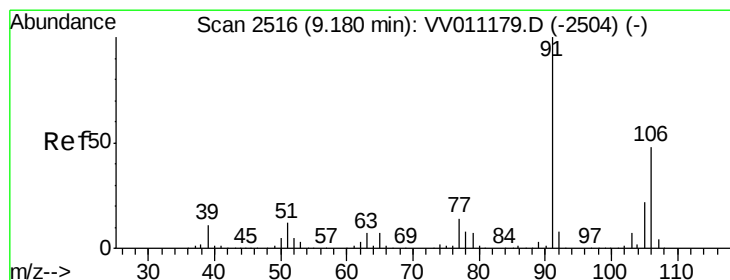
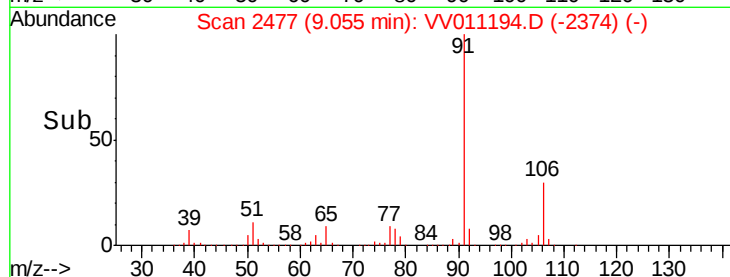
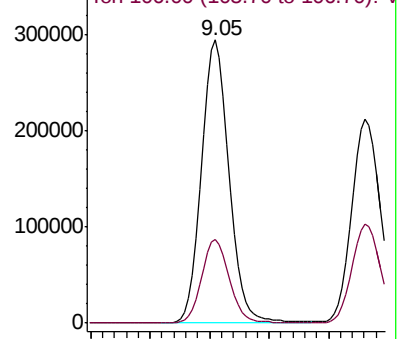
Ion Ratio Lower Upper

91 100

106 29.6 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV011179.D (-2463) (-)



#54

m,p-Xylene

Concen: 21.107 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011194.D

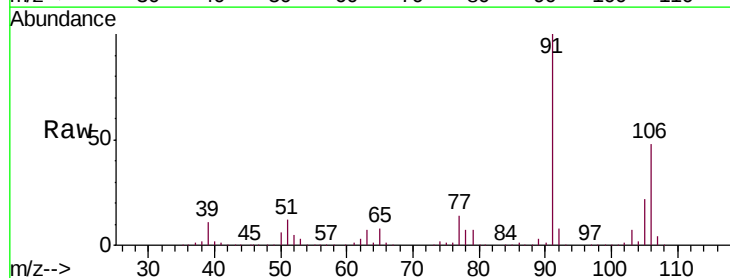
Acq: 01 Jun 2019 00:50

Tgt Ion: 106 Resp: 175360

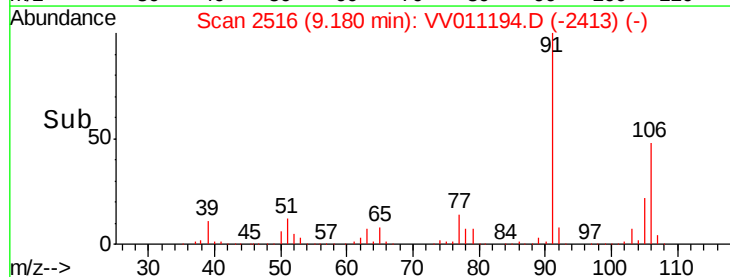
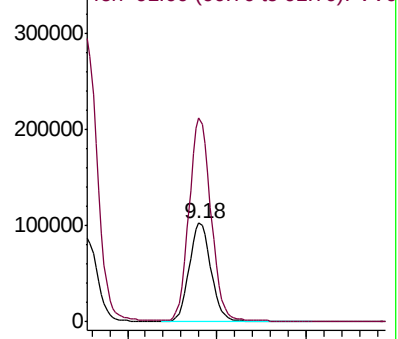
Ion Ratio Lower Upper

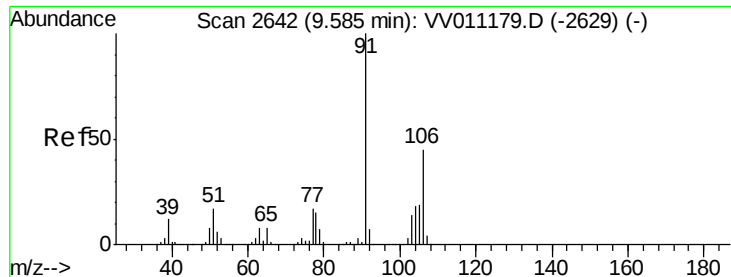
106 100

91 207.1 145.3 269.9



Abundance Ion 106.00 (105.70 to 106.70): VV011179.D (-2504) (-)





#55

o-xylene

Concen: 21.816 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

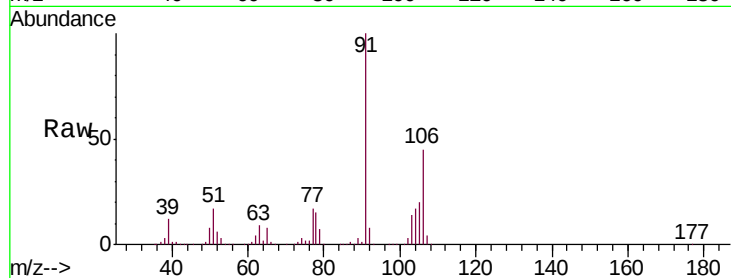
VSTD02583

Tgt Ion:106 Resp: 178255

Ion Ratio Lower Upper

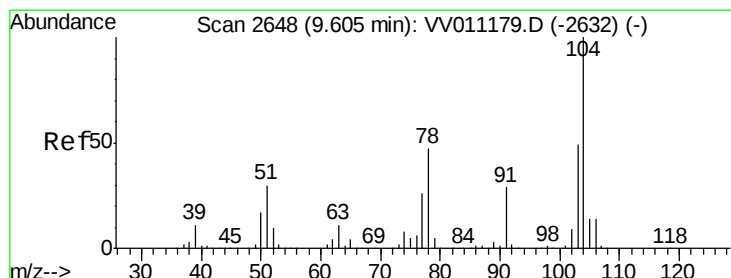
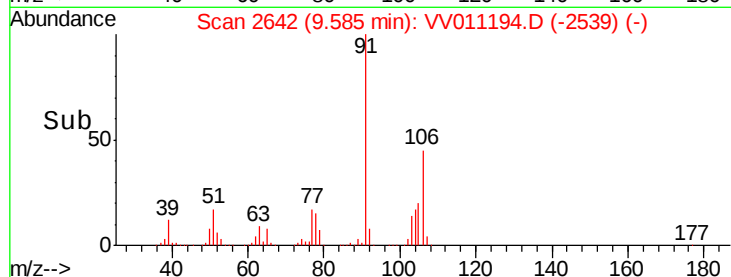
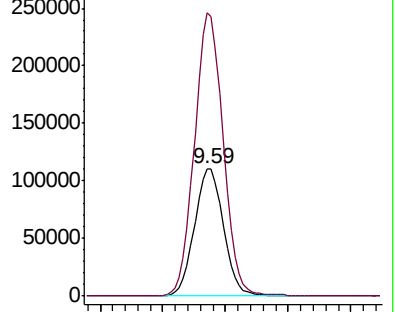
106 100

91 221.6 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 22.277 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011194.D

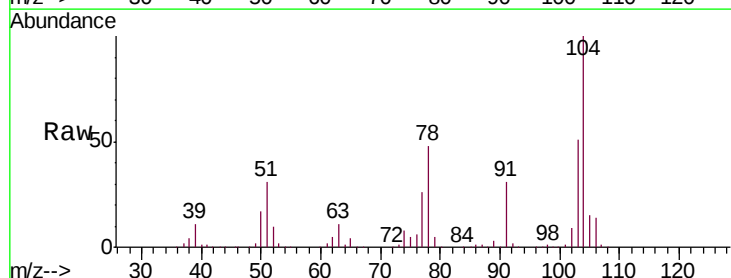
Acq: 01 Jun 2019 00:50

Tgt Ion:104 Resp: 305746

Ion Ratio Lower Upper

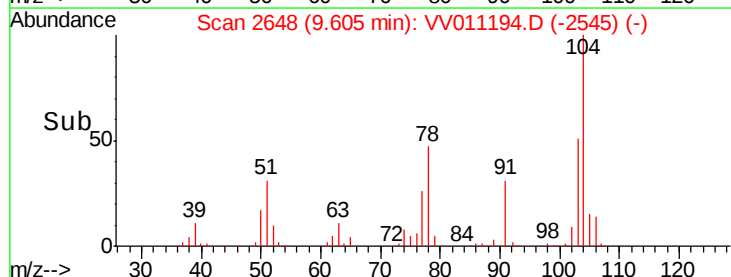
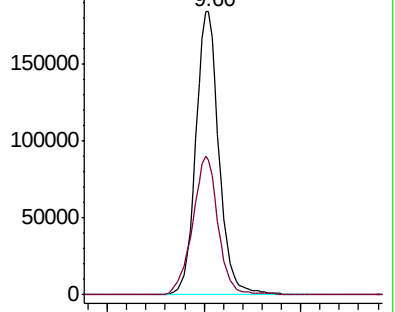
104 100

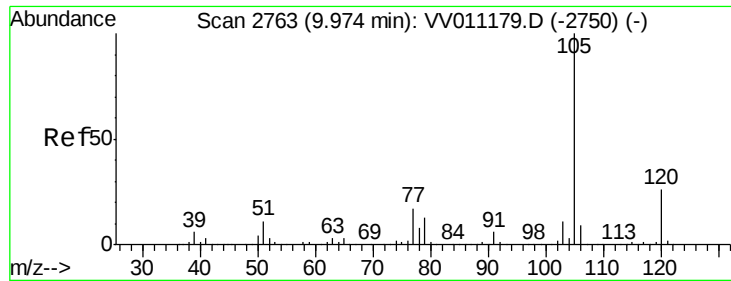
78 47.6 32.3 60.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 20.753 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

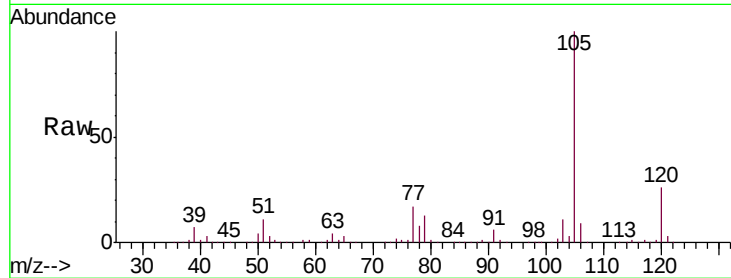
Tgt Ion: 105 Resp: 452771

Ion Ratio Lower Upper

105 100

120 25.5 20.6 31.0

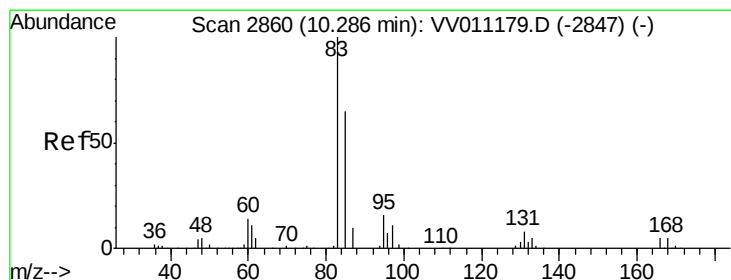
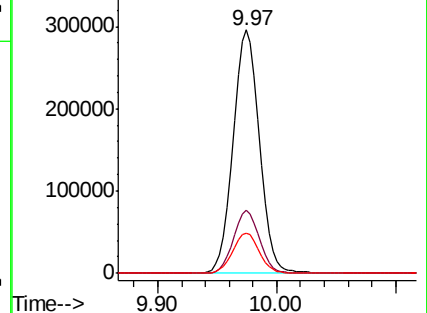
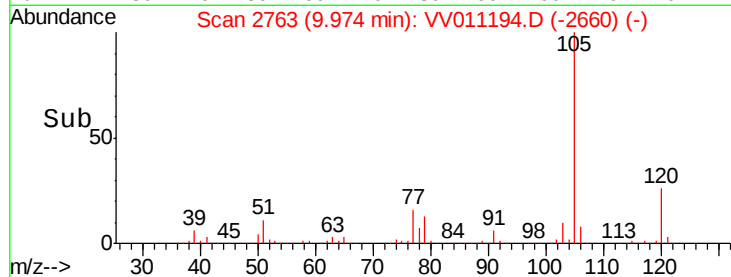
77 16.9 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): VV011179.D (-2750) (-)

Ion 120.00 (119.70 to 120.70): VV011179.D (-2750) (-)

Ion 77.00 (76.70 to 77.70): VV011179.D (-2750) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 21.125 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

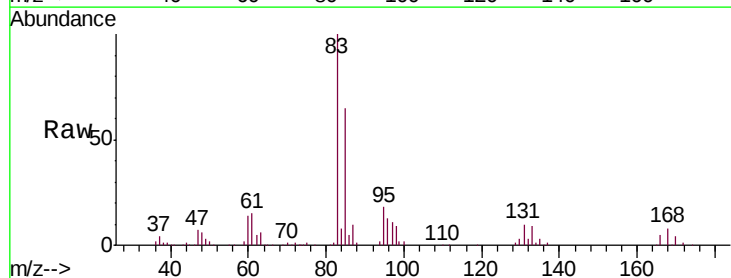
Tgt Ion: 83 Resp: 104962

Ion Ratio Lower Upper

83 100

85 65.3 44.4 82.4

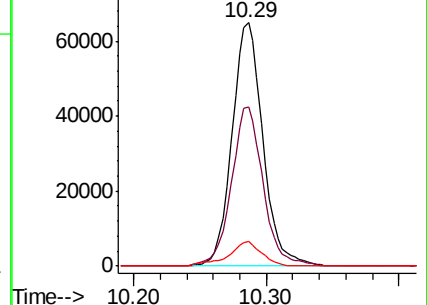
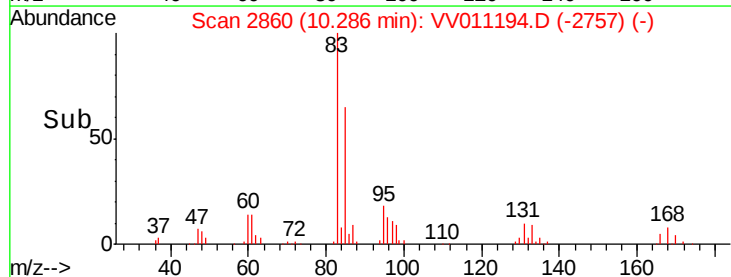
131 9.9 7.5 11.3

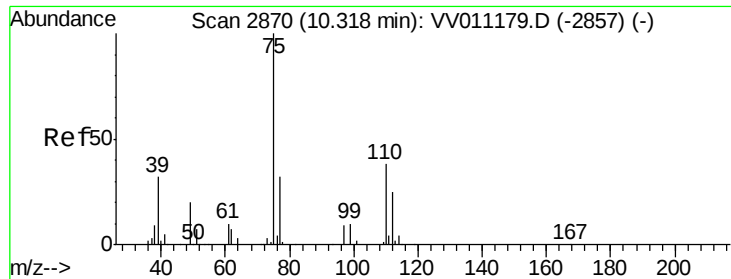


Abundance Ion 83.00 (82.70 to 83.70): VV011179.D (-2847) (-)

Ion 85.00 (84.70 to 85.70): VV011179.D (-2847) (-)

Ion 131.00 (130.70 to 131.70): VV011179.D (-2847) (-)





#59

1,2,3-Trichloropropane

Concen: 22.237 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

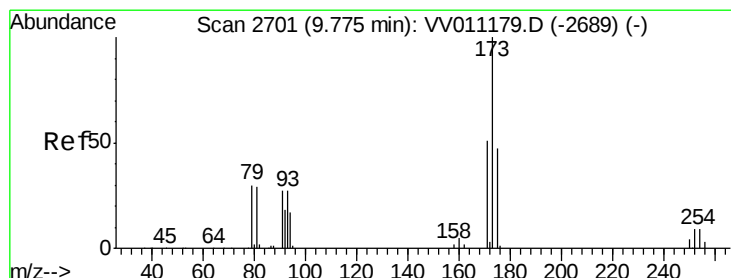
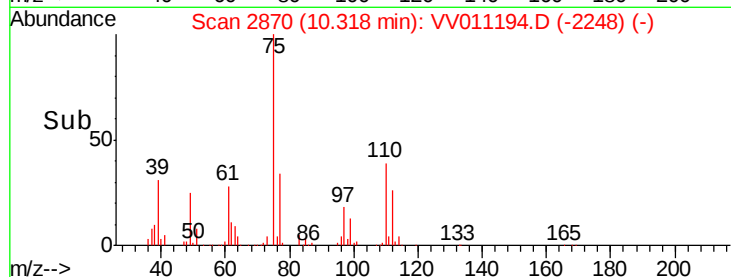
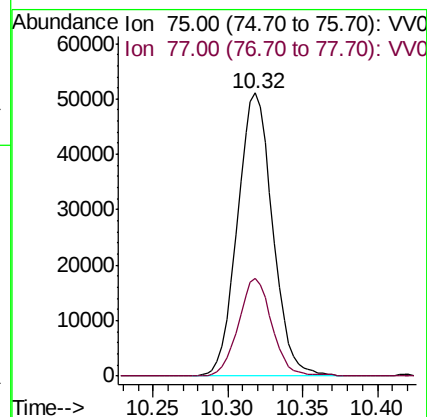
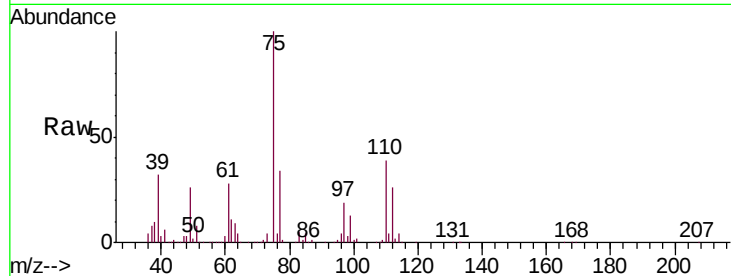
VSTD02583

Tgt Ion: 75 Resp: 83544

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#62

Bromoform

Concen: 21.005 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

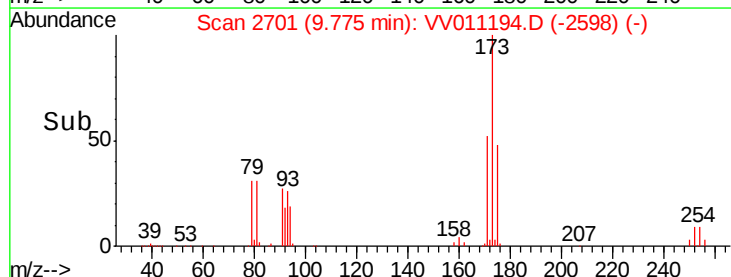
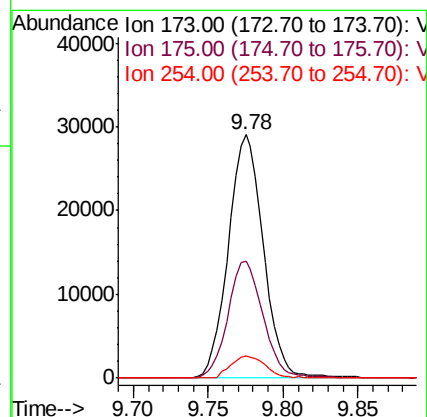
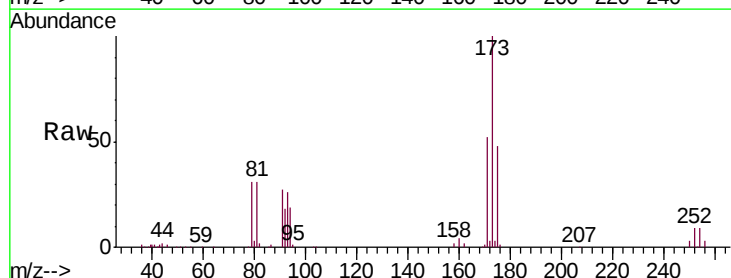
Tgt Ion: 173 Resp: 47491

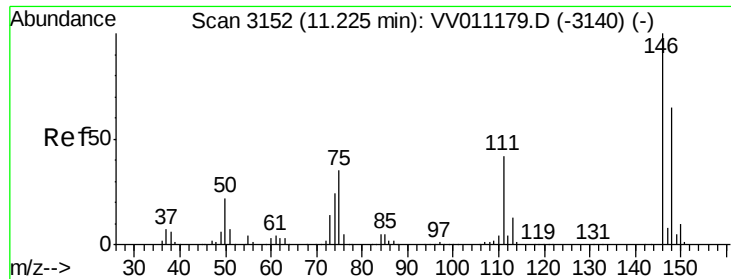
Ion Ratio Lower Upper

173 100

175 47.8 38.1 57.1

254 8.8 6.9 10.3





#63

1,3-Dichlorobenzene

Concen: 22.064 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

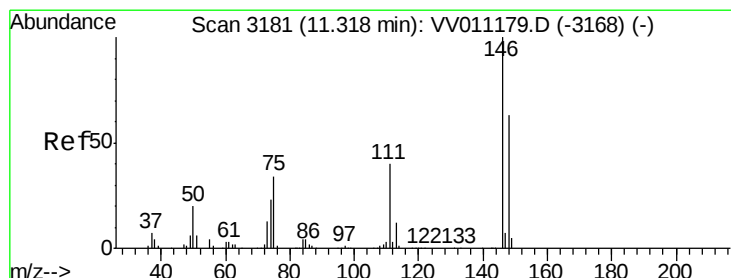
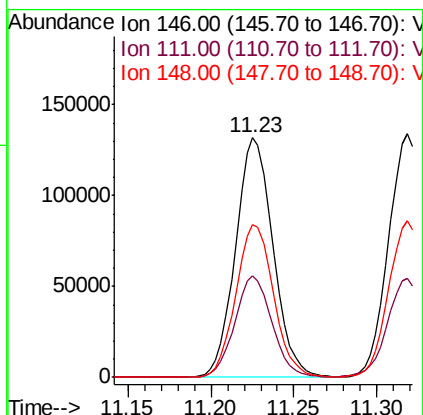
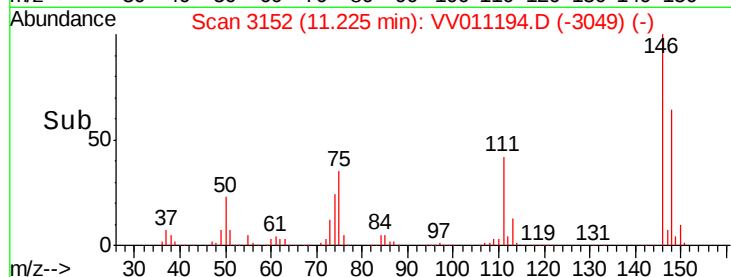
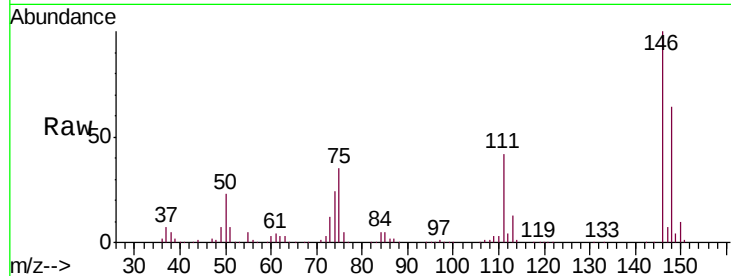
Tgt Ion:146 Resp: 207281

Ion Ratio Lower Upper

146 100

111 42.3 29.9 55.5

148 63.8 45.4 84.2



#64

1,4-Dichlorobenzene

Concen: 22.039 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

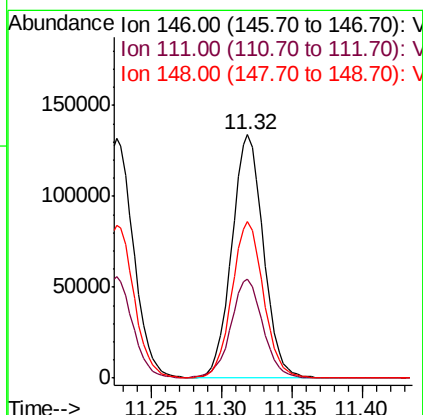
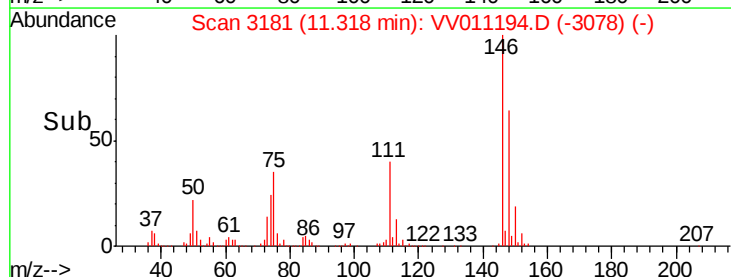
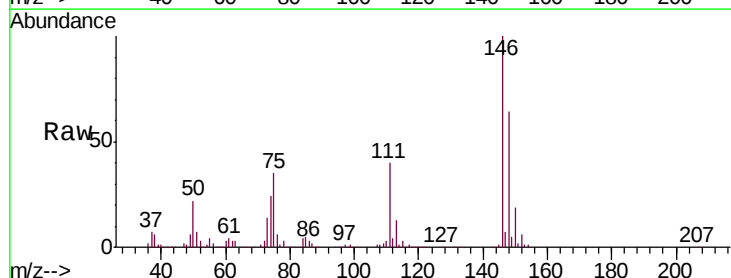
Tgt Ion:146 Resp: 210105

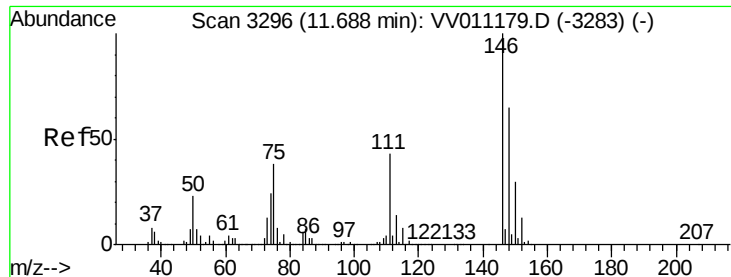
Ion Ratio Lower Upper

146 100

111 40.5 27.4 51.0

148 64.1 43.7 81.1





#65

1,2-Dichlorobenzene

Concen: 22.771 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

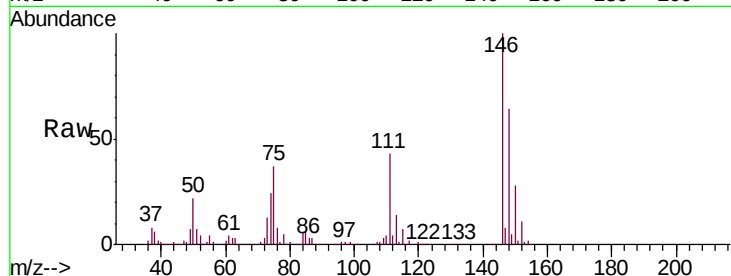
Tgt Ion:146 Resp: 202544

Ion Ratio Lower Upper

146 100

111 42.9 34.8 52.2

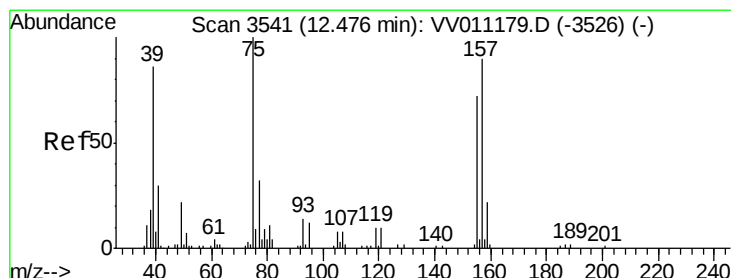
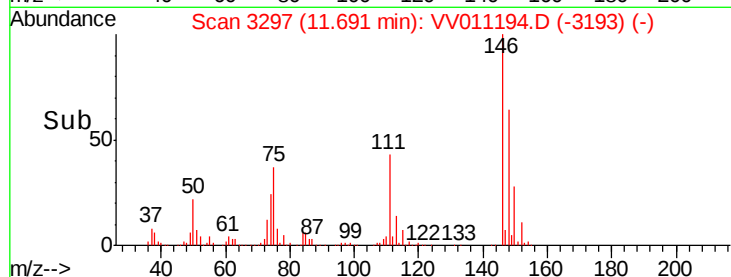
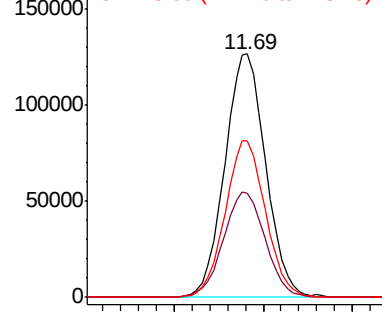
148 64.1 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): 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: 20.676 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

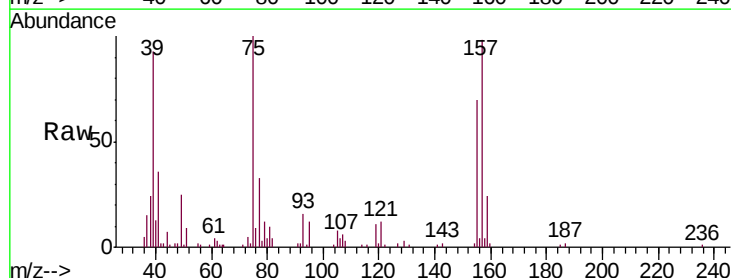
Tgt Ion: 75 Resp: 17844

Ion Ratio Lower Upper

75 100

157 98.1 79.6 119.4

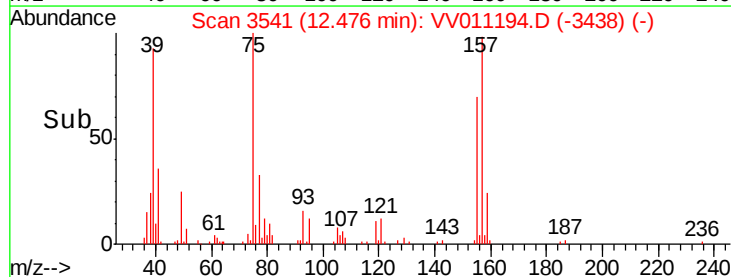
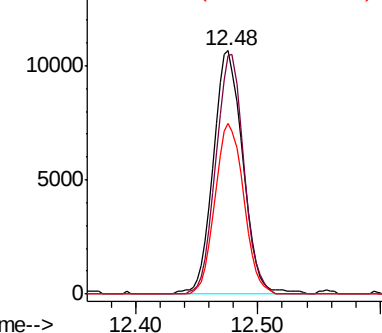
155 70.2 62.4 93.6

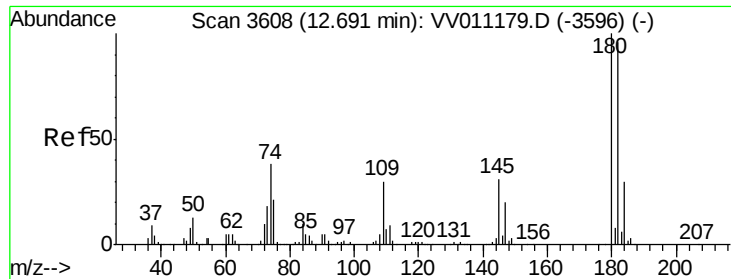


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

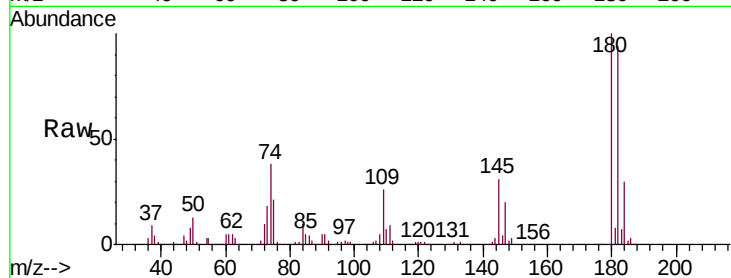




#67
 1,3,5-Trichlorobenzene
 Concen: 21.354 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.3	112.9
184	30.6	24.3	36.5
145	31.2	24.2	36.4



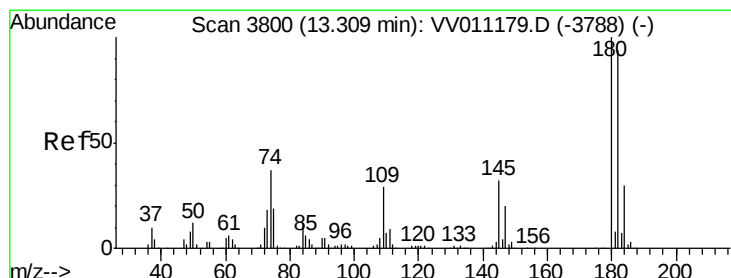
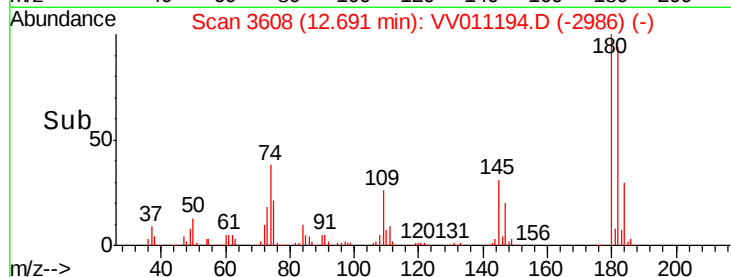
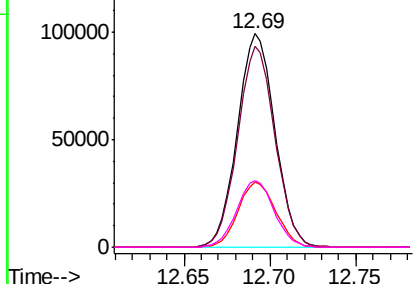
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

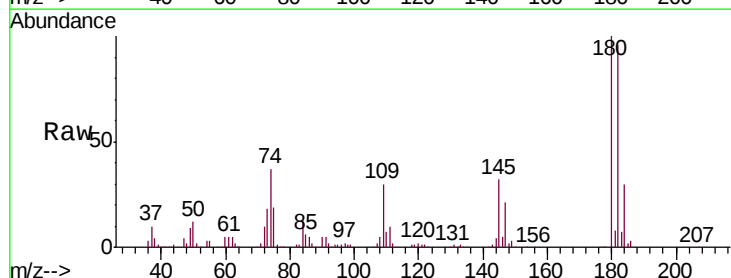
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.573 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011194.D
 Acq: 01 Jun 2019 00:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.4	113.0
145	31.7	25.7	38.5

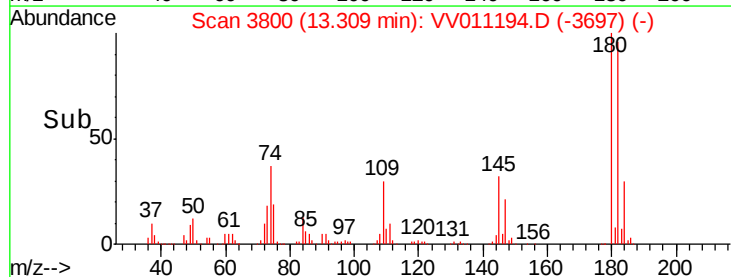
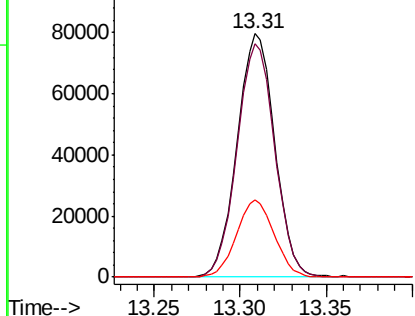


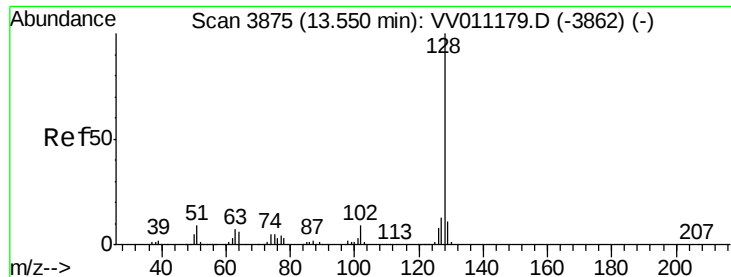
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 22.127 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

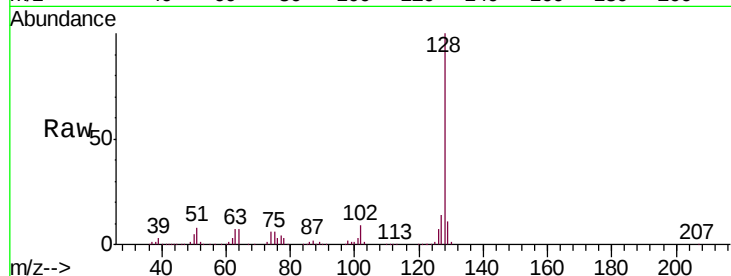
Tgt Ion:128 Resp: 256333

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

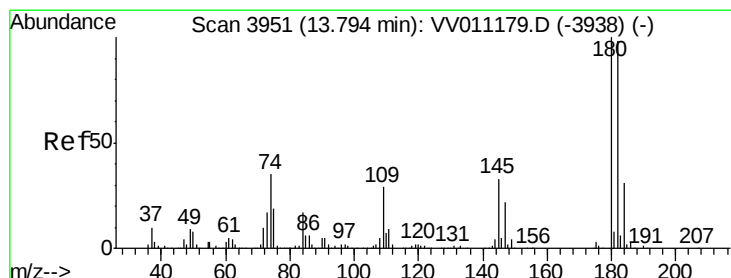
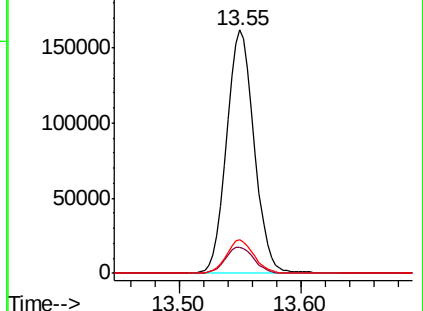
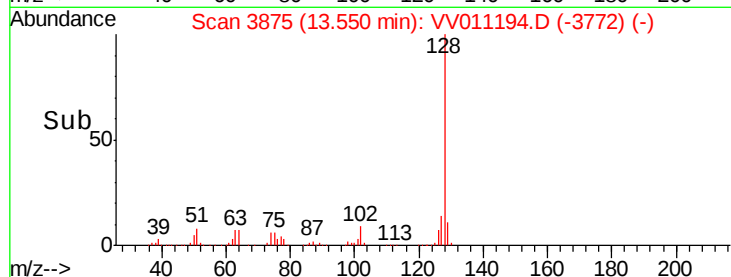
127 13.6 10.6 16.0



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: 22.448 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011194.D

Acq: 01 Jun 2019 00:50

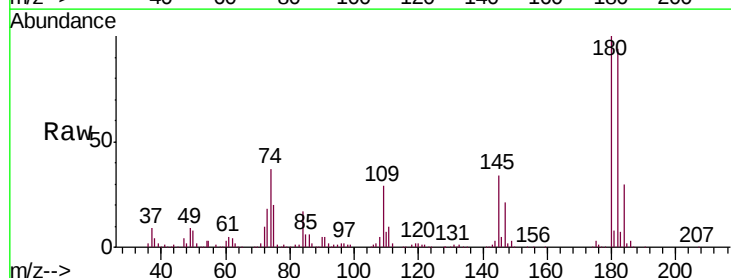
Tgt Ion:180 Resp: 117323

Ion Ratio Lower Upper

180 100

182 94.8 77.4 116.0

145 33.6 27.5 41.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

