

Data File : VV012788.D
Acq On : 15 Sep 2019 08:27
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

Quant Time: Sep 16 07:14:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 13 08:13:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	489166	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	473709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	239764	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	181262	5.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.20%
7) Chloroethane-d5	1.58	69	144742	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.13	63	290465	5.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.40%
20) 2-Butanone-d5	3.97	46	343905	43.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	86.14%
24) Chloroform-d	4.40	84	295585	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
26) 1,2-Dichloroethane-d4	5.08	65	141209	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.09	84	606202	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.00%
36) 1,2-Dichloropropane-d6	6.12	67	182474	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.36	98	559960	5.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.40%
43) trans-1,3-Dichloropropene-	7.66	79	62552	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.14	63	208010	44.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.92%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	111488	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	185078	4.51	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	166369	4.033	ug/L 100
3) Chloromethane	1.25	50	167065	4.011	ug/L 99
5) Vinyl chloride	1.32	62	173783	4.088	ug/L 98
6) Bromomethane	1.53	94	98381	4.222	ug/L 98
8) Chloroethane	1.60	64	106280	4.228	ug/L 97
9) Trichlorofluoromethane	1.77	101	234024	4.388	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	140171	4.393	ug/L 98
12) 1,1-Dichloroethene	2.14	96	125631	4.135	ug/L 90
13) Acetone	2.23	43	223626	47.781	ug/L 96
14) Carbon disulfide	2.31	76	320107	3.917	ug/L 99
15) Methyl Acetate	2.47	43	55922	4.441	ug/L 97
16) Methylene chloride	2.53	84	137997	3.715	ug/L 94
17) Methyl tert-butyl Ether	2.81	73	311382	4.368	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	142611	4.174	ug/L 98
19) 1,1-Dichloroethane	3.23	63	281482	4.377	ug/L 98
21) 2-Butanone	4.06	43	381897	47.582	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	151763	4.089	ug/L 95

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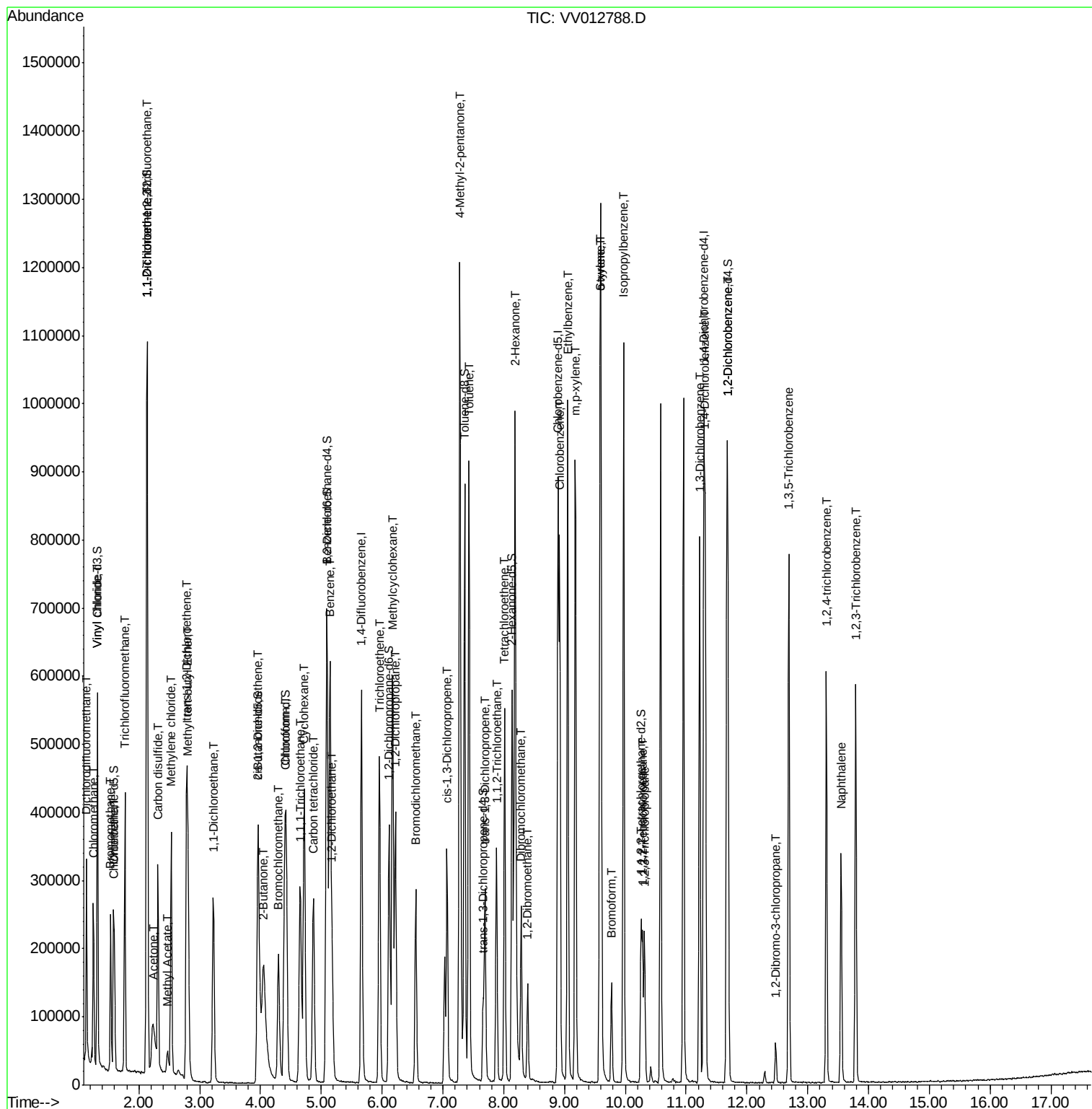
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	65645	4.139	ug/L	96
25) Chloroform	4.42	83	290953	4.108	ug/L	98
27) 1,2-Dichloroethane	5.18	62	163687	4.408	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	220918	4.237	ug/L	98
30) Cyclohexane	4.72	56	219946	4.237	ug/L	99
31) Carbon tetrachloride	4.87	117	196168	4.271	ug/L	99
33) Benzene	5.14	78	608181	4.393	ug/L	100
34) Trichloroethene	5.96	95	162328	4.243	ug/L	97
35) Methylcyclohexane	6.17	83	228888	4.233	ug/L	99
37) 1,2-Dichloropropane	6.22	63	154809	4.490	ug/L	100
38) Bromodichloromethane	6.55	83	188219	4.214	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	199671	4.414	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	895049	46.822	ug/L	98
42) Toluene	7.43	91	645154	4.486	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	153177	4.490	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	104362	4.345	ug/L	99
47) Tetrachloroethene	8.02	164	124625	4.150	ug/L	98
48) 2-Hexanone	8.19	43	694799	50.795	ug/L	100
49) Dibromochloromethane	8.29	129	121025	4.236	ug/L	99
50) 1,2-Dibromoethane	8.40	107	91880	4.317	ug/L	96
51) Chlorobenzene	8.92	112	406874	4.303	ug/L	99
52) Ethylbenzene	9.05	91	680690	4.400	ug/L	99
53) m,p-xylene	9.18	106	260276	4.451	ug/L	98
54) o-xylene	9.59	106	250698	4.476	ug/L	99
55) Styrene	9.60	104	434991	4.670	ug/L	100
56) Isopropylbenzene	9.97	105	666578	4.493	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	103035	4.303	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	87263	4.290	ug/L	99
61) Bromoform	9.77	173	62574	3.914	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	322597	4.343	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	324254	4.325	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	301245	4.307	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14464	3.969	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	240066	4.267	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	185698	4.170	ug/L	99
69) Naphthalene	13.55	128	265406	3.942	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	180456	4.297	ug/L	98

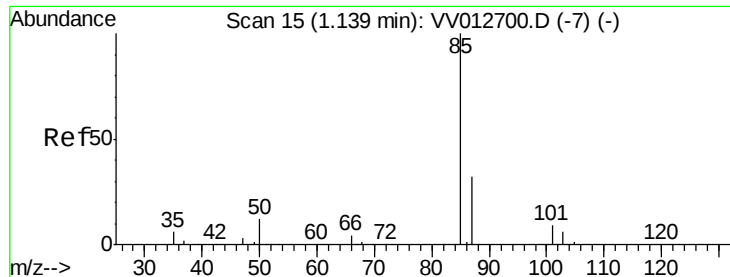
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.033 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

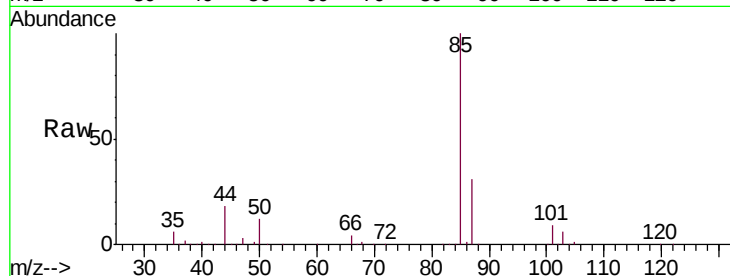
VSTD00555

Tgt Ion: 85.00 Resp: 166369

Ion Ratio Lower Upper

85 100

87 32.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012700.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012788.D (-1) (-)

1.14

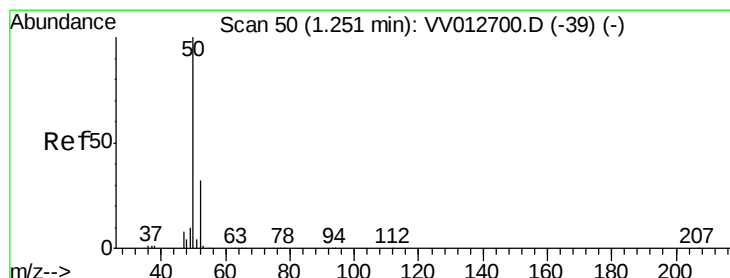
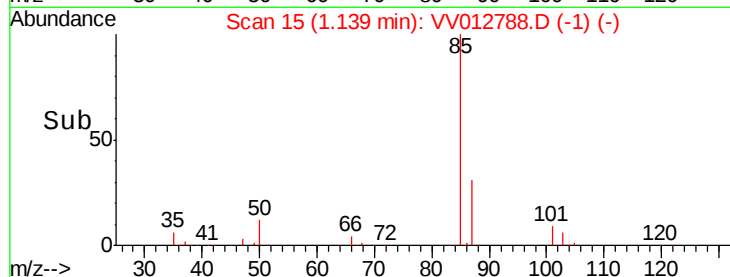
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100000

50000

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Time-->



#3

Chloromethane

Concen: 4.011 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV012788.D

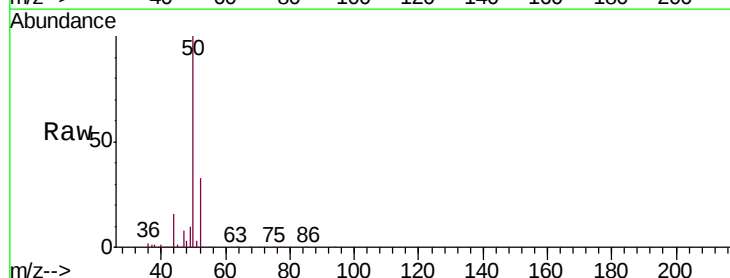
Acq: 15 Sep 2019 08:27

Tgt Ion: 50.00 Resp: 167065

Ion Ratio Lower Upper

50 100

52 33.3 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV012700.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV012788.D (-1) (-)

1.25

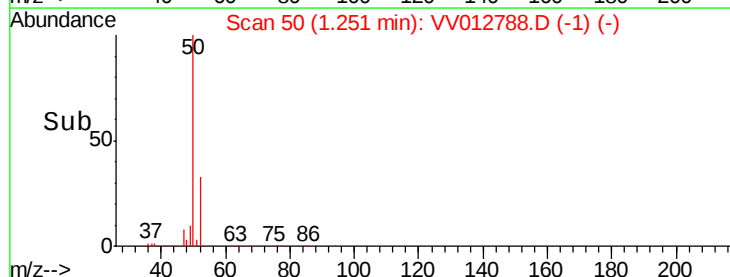
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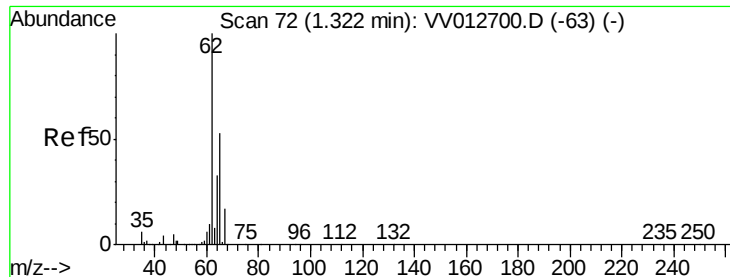
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50000

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Time-->





#5

Vinyl chloride

Concen: 4.088 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

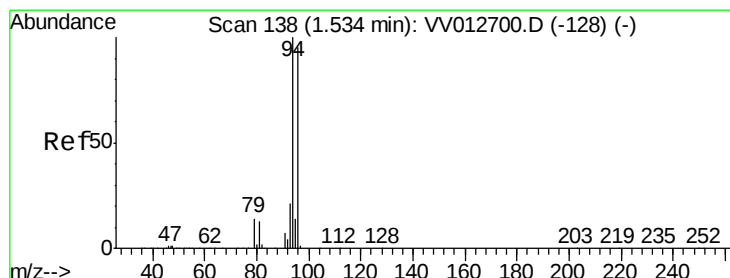
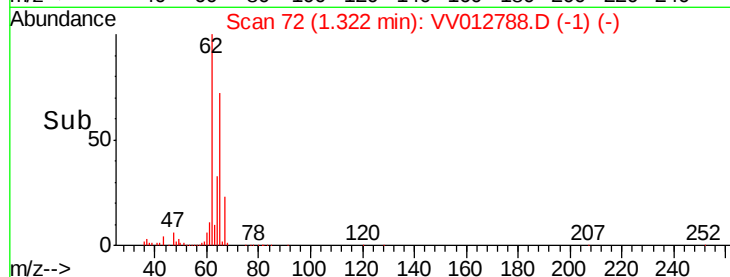
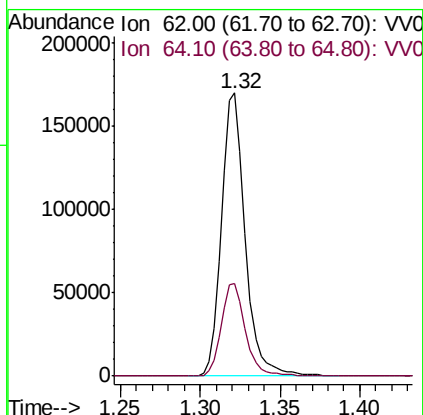
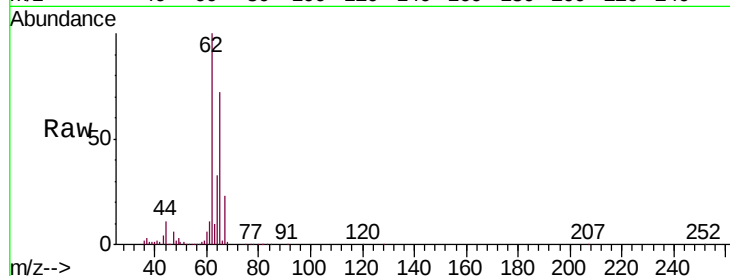
VSTD00555

Tgt Ion: 62 Resp: 173783

Ion Ratio Lower Upper

62 100

64 32.9 22.1 41.1



#6

Bromomethane

Concen: 4.222 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV012788.D

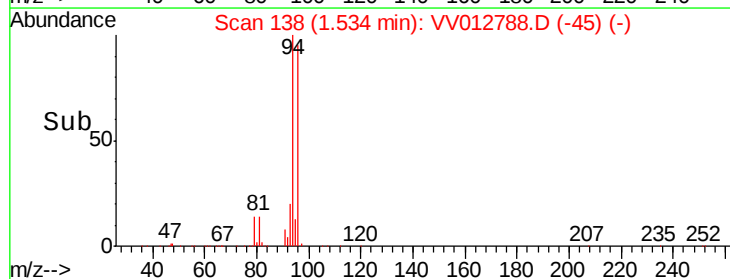
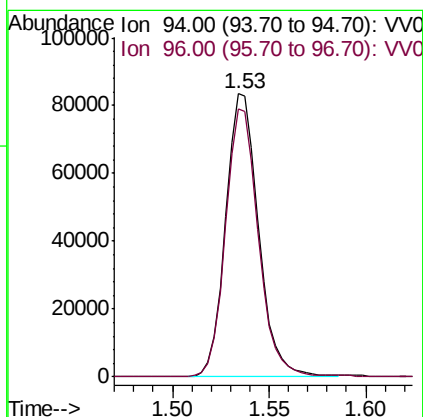
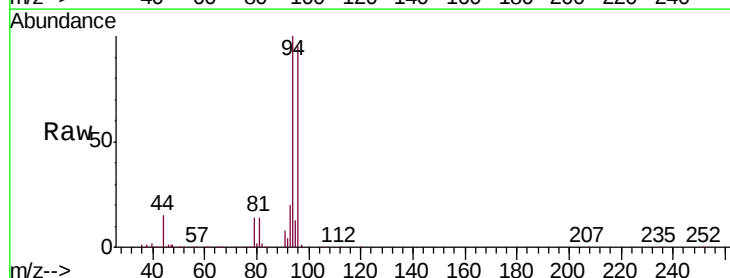
Acq: 15 Sep 2019 08:27

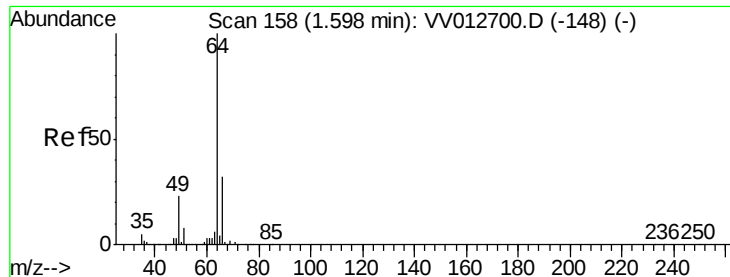
Tgt Ion: 94 Resp: 98381

Ion Ratio Lower Upper

94 100

96 94.8 65.0 120.6

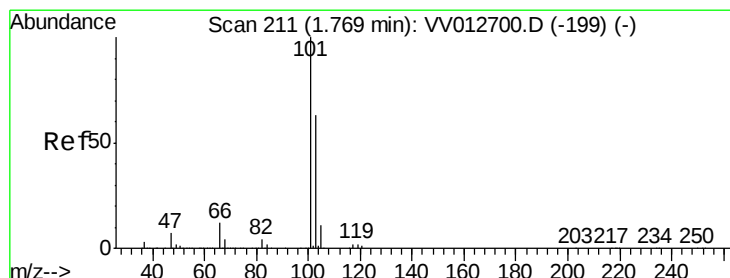
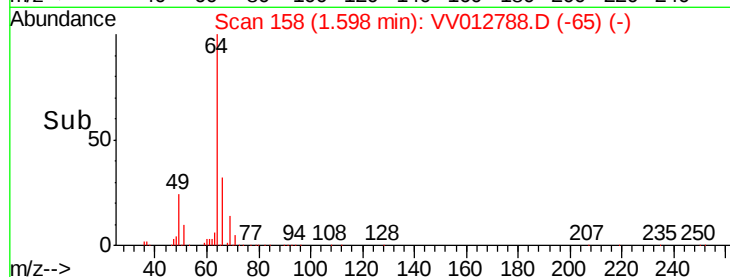
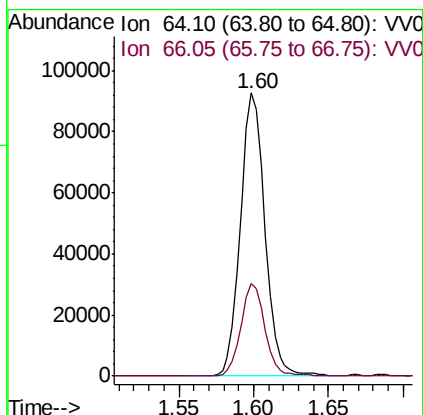
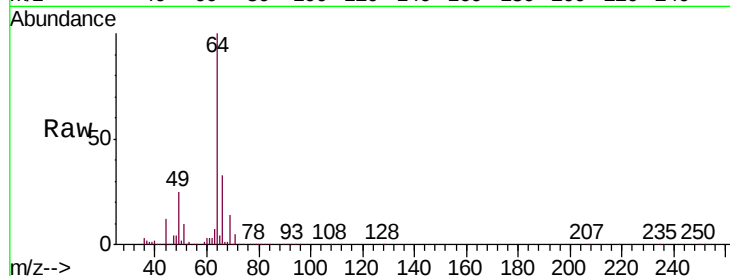




#8
Chloroethane
Concen: 4.228 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

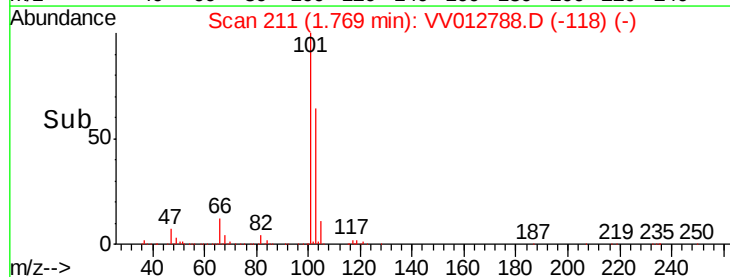
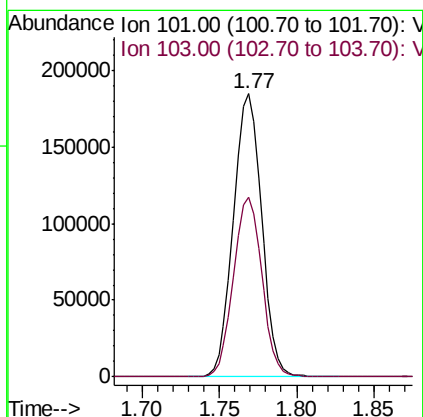
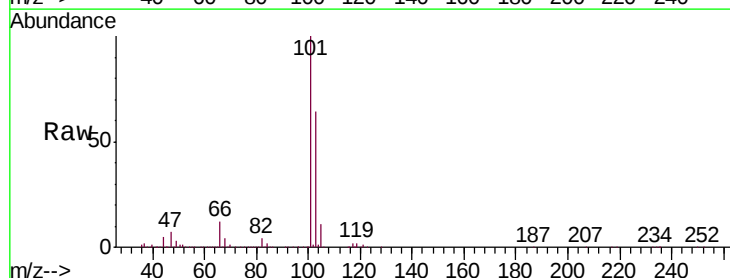
Instrument :
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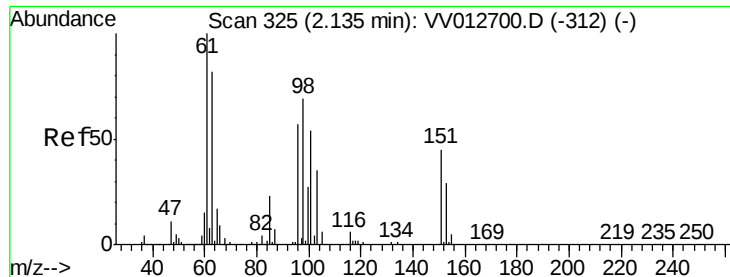
Tgt Ion: 64 Resp: 106280
Ion Ratio Lower Upper
64 100
66 32.6 21.6 40.0



#9
Trichlorofluoromethane
Concen: 4.388 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Tgt Ion: 101 Resp: 234024
Ion Ratio Lower Upper
101 100
103 64.1 52.9 79.3





#10

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

Concen: 4.393 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampled :

VSTD00555

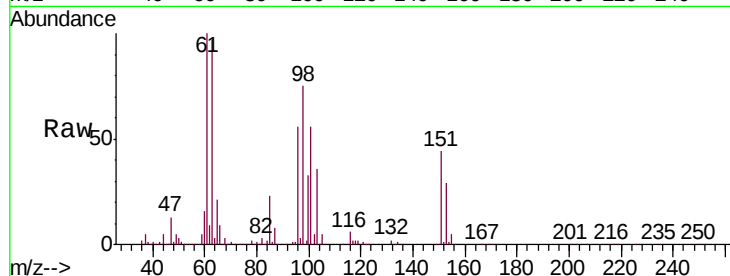
Tgt Ion: 101 Resp: 140171

Ion Ratio Lower Upper

101 100

85 41.3 33.0 49.6

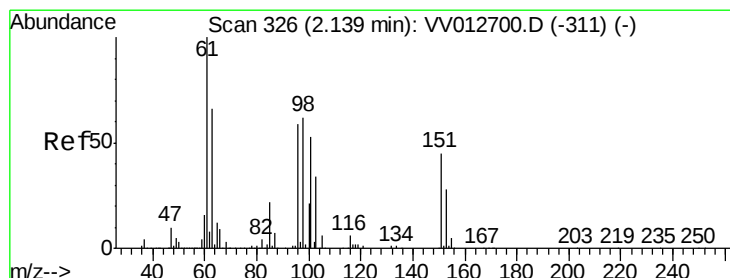
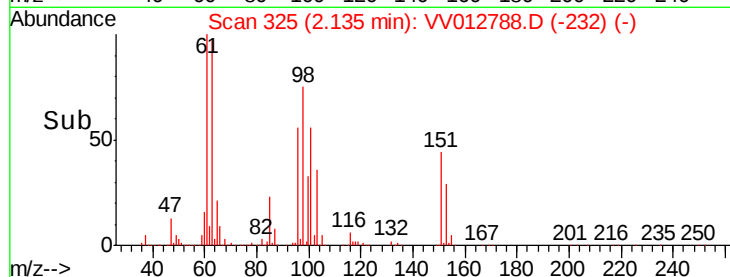
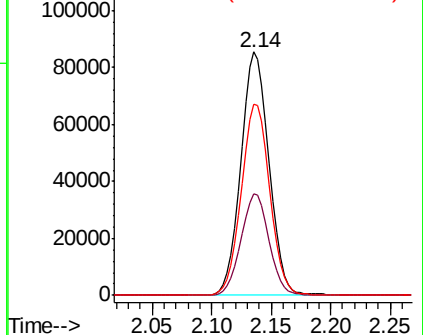
151 79.4 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012788.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV012788.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV012788.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.135 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

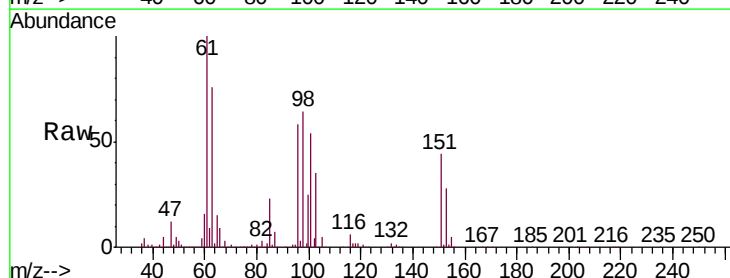
Tgt Ion: 96 Resp: 125631

Ion Ratio Lower Upper

96 100

61 172.2 115.8 215.0

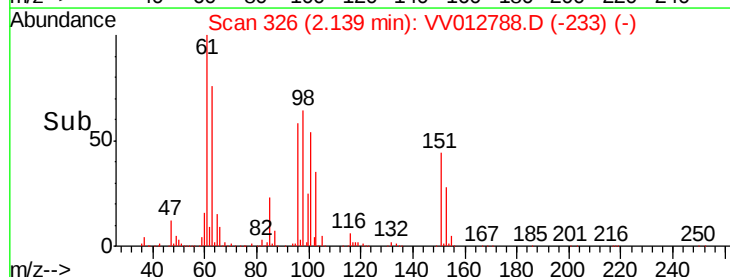
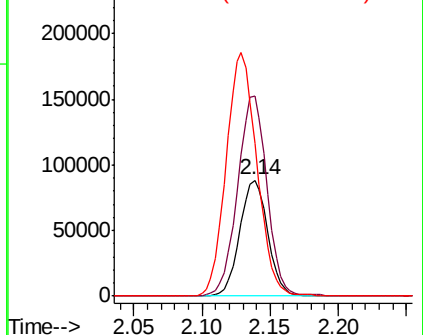
63 131.3 79.4 147.4

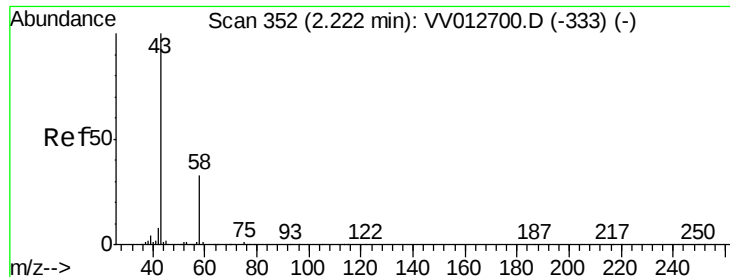


Abundance Ion 96.00 (95.70 to 96.70): VV012788.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV012788.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV012788.D (-233) (-)





#13

Acetone

Concen: 47.781 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

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Acq: 15 Sep 2019 08:27

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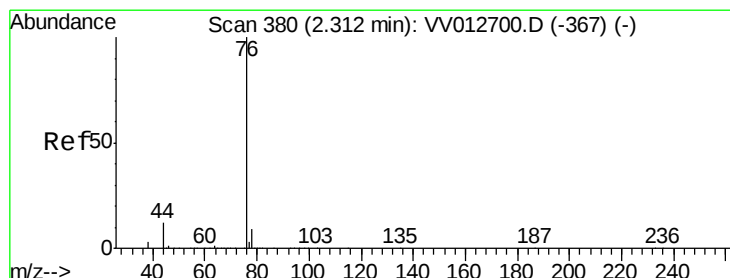
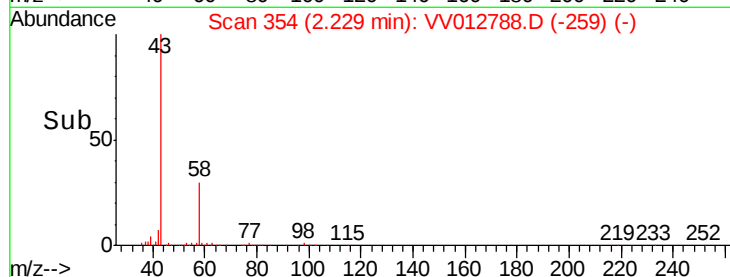
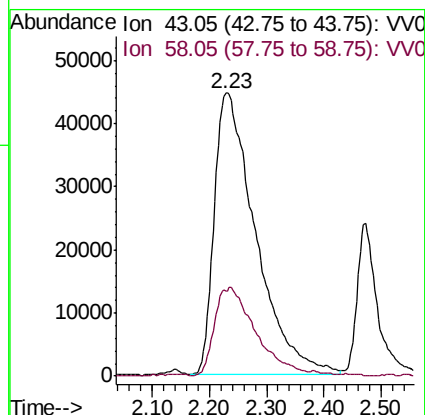
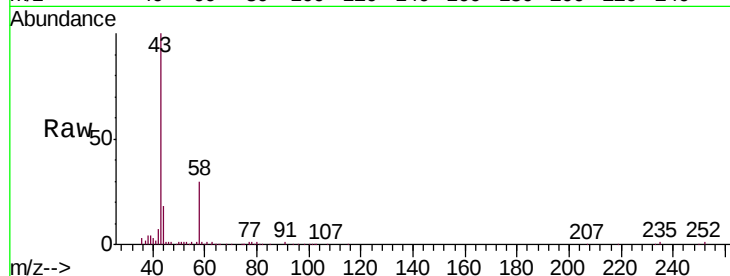
VSTD00555

Tgt Ion: 43 Resp: 223626

Ion Ratio Lower Upper

43 100

58 31.5 0.0 67.4



#14

Carbon disulfide

Concen: 3.917 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV012788.D

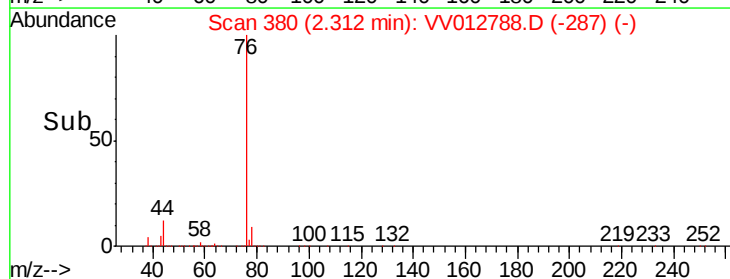
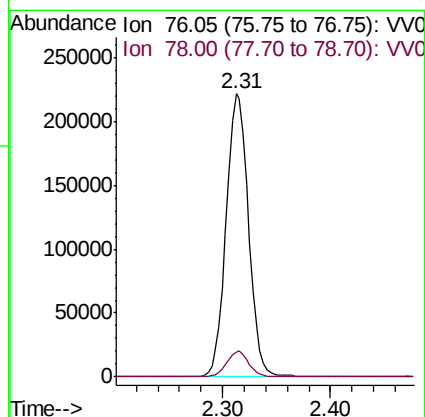
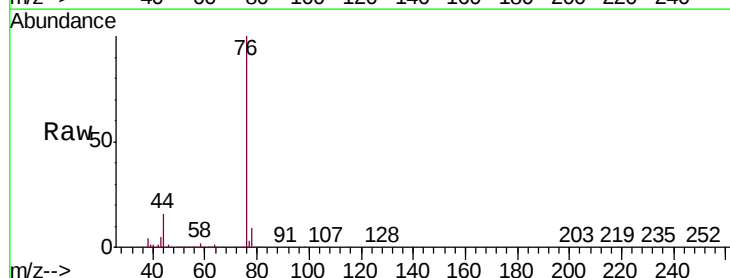
Acq: 15 Sep 2019 08:27

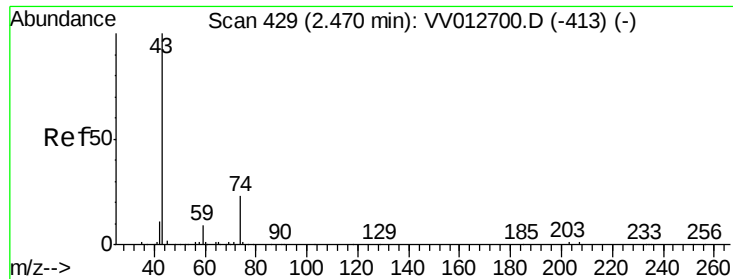
Tgt Ion: 76 Resp: 320107

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2

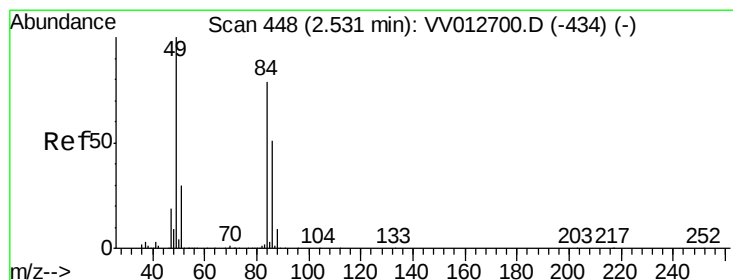
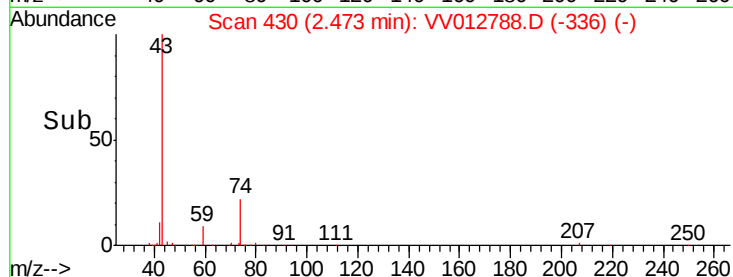
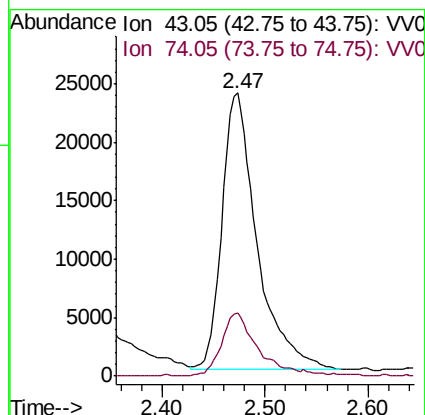
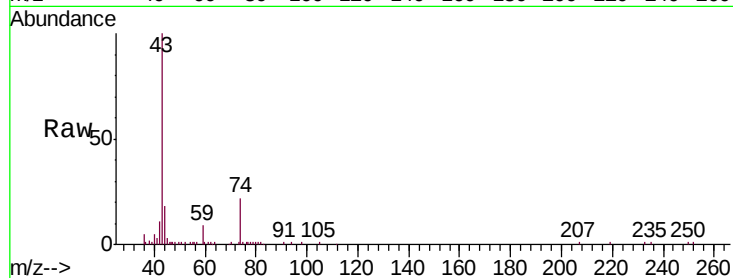




#15
Methyl Acetate
Concen: 4.441 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

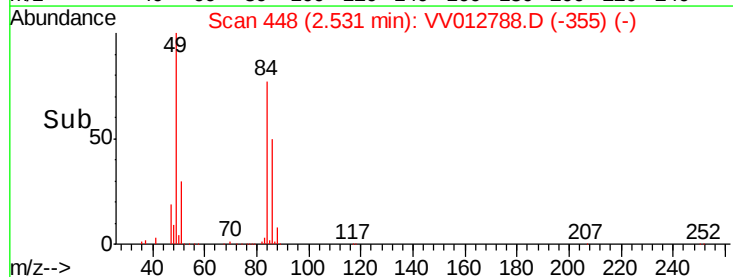
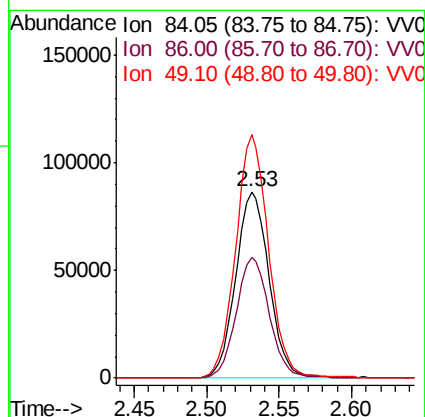
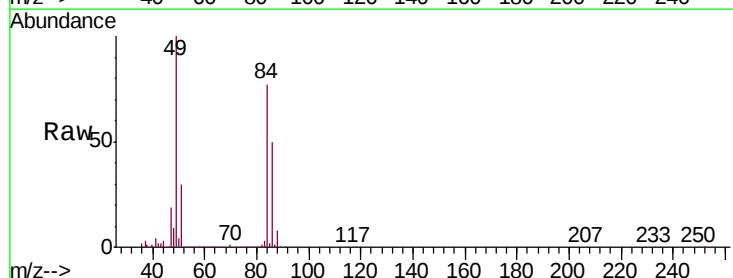
Instrument :
MSVOA_V
ClientSampled :
VSTD00555

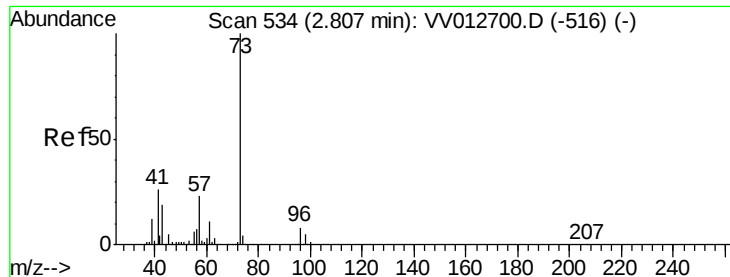
Tgt Ion: 43 Resp: 55922
Ion Ratio Lower Upper
43 100
74 23.2 19.8 29.6



#16
Methylene chloride
Concen: 3.715 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Tgt Ion: 84 Resp: 137997
Ion Ratio Lower Upper
84 100
86 64.7 46.1 85.7
49 130.6 85.3 158.3





#17

Methyl tert-butyl Ether

Concen: 4.368 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

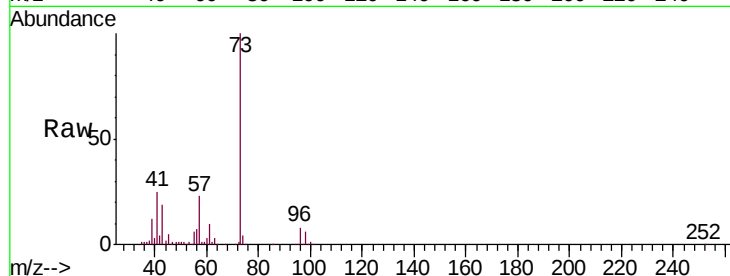
Tgt Ion: 73 Resp: 311382

Ion Ratio Lower Upper

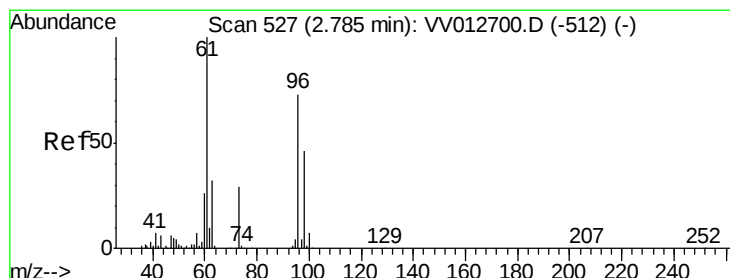
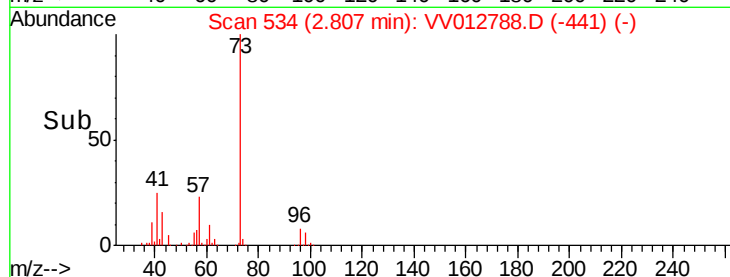
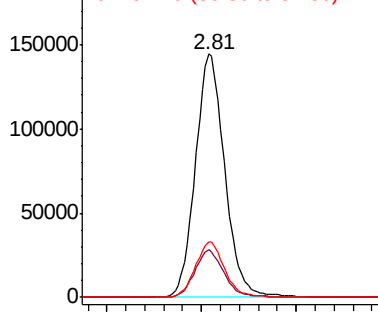
73 100

43 18.8 14.6 21.8

57 22.8 18.2 27.2



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



#18

trans-1,2-Dichloroethene

Concen: 4.174 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

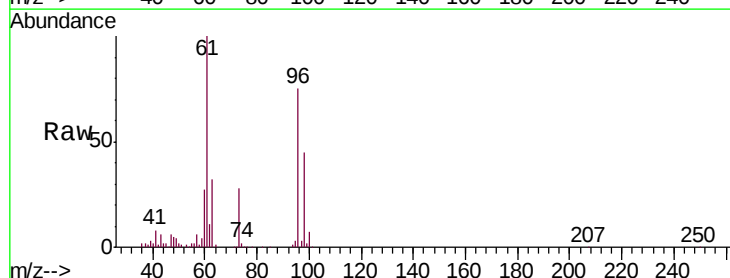
Tgt Ion: 96 Resp: 142611

Ion Ratio Lower Upper

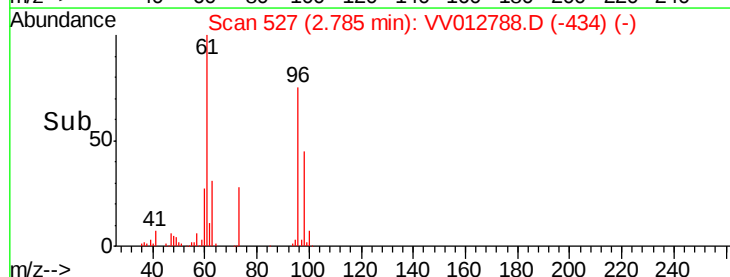
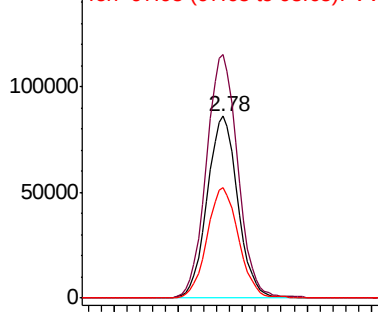
96 100

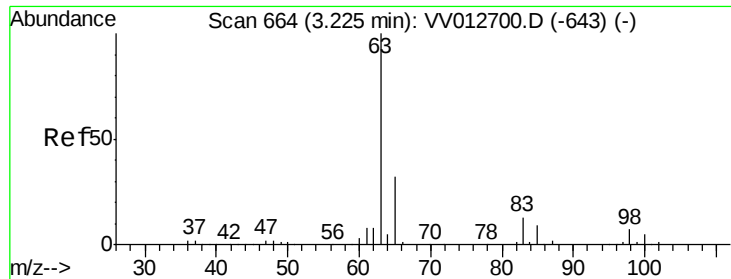
61 134.0 93.0 172.8

98 60.6 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

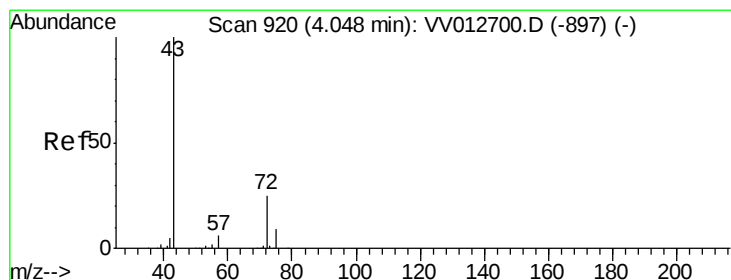
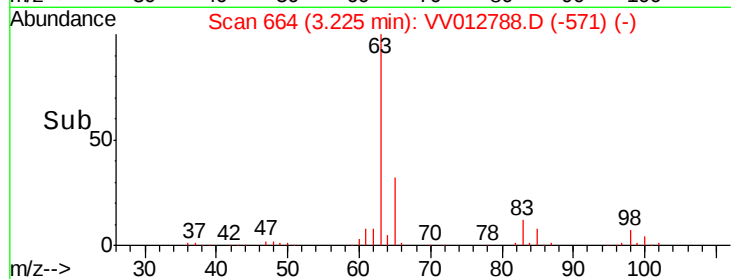
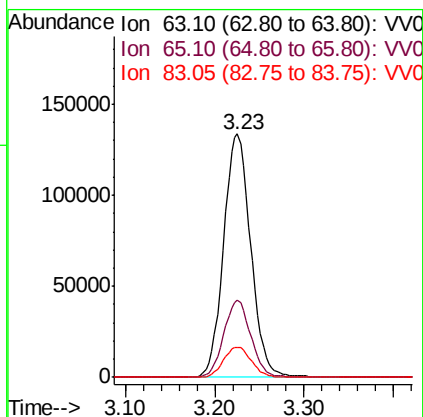
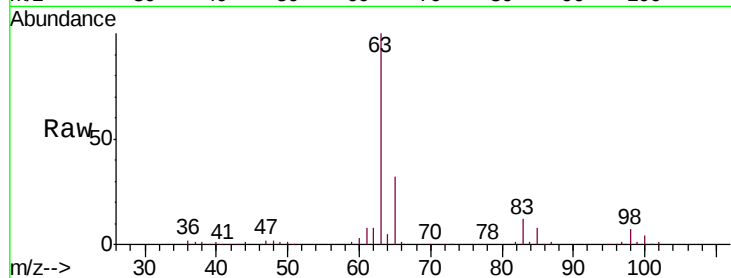




#19
 1,1-Dichloroethane
 Concen: 4.377 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

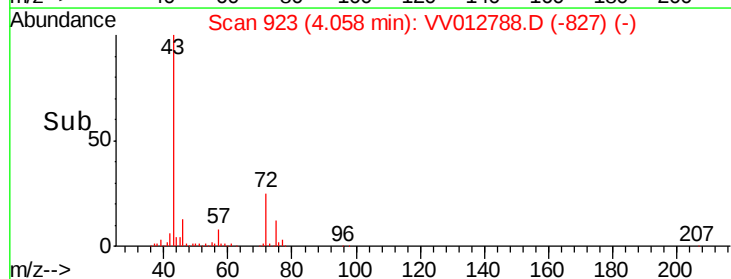
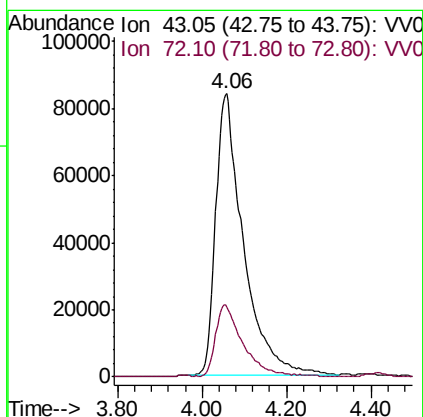
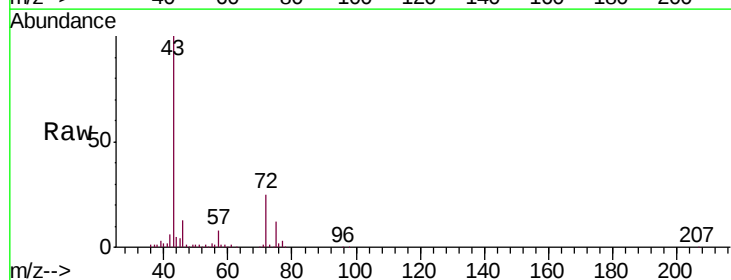
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

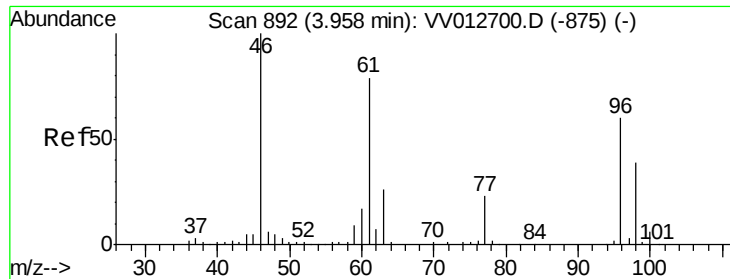
Tgt Ion: 63 Resp: 281482
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.3
 83 12.2 9.1 16.9



#21
 2-Butanone
 Concen: 47.582 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.01 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion: 43 Resp: 381897
 Ion Ratio Lower Upper
 43 100
 72 24.6 13.0 38.9



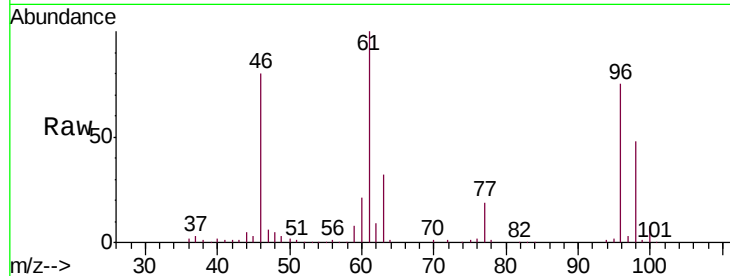


#22

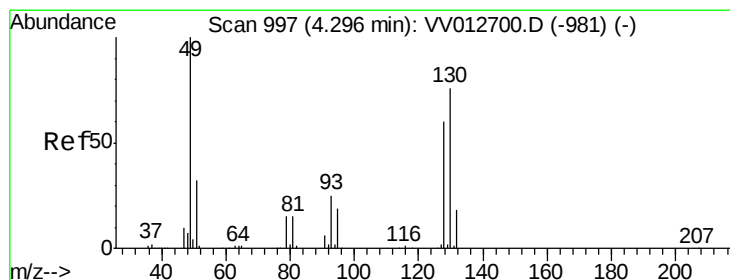
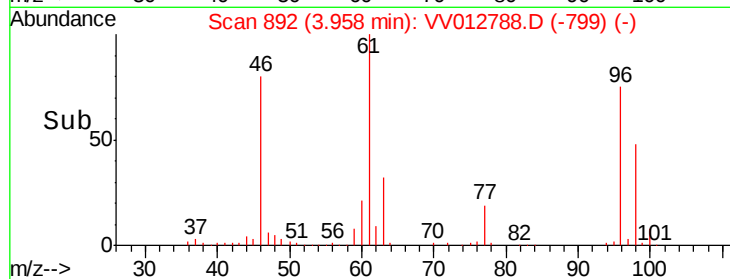
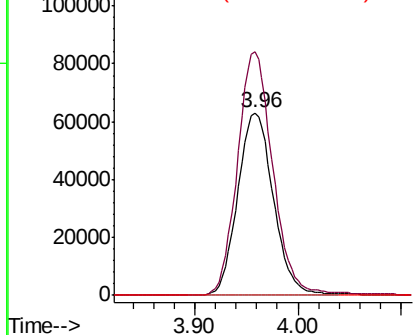
cis-1,2-Dichloroethene
 Concen: 4.089 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00555

Tgt Ion: 96 Resp: 151763
 Ion Ratio Lower Upper
 96 100
 61 133.7 89.7 166.5
 68 0.0 0.0 0.0



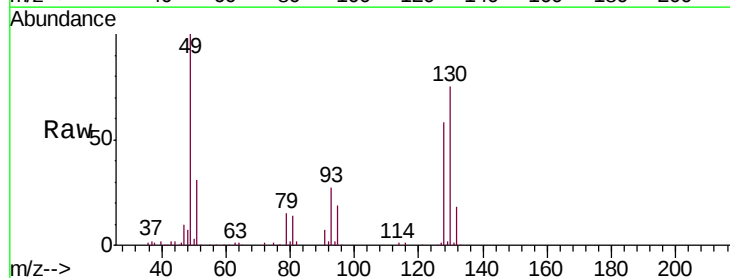
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



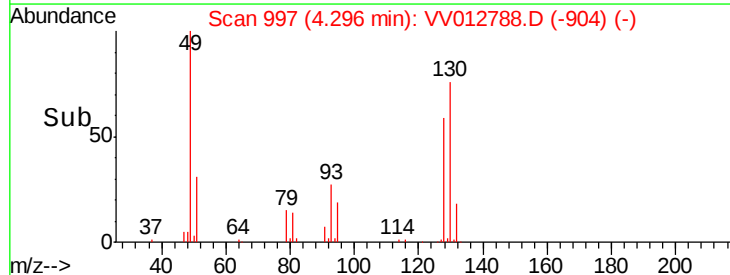
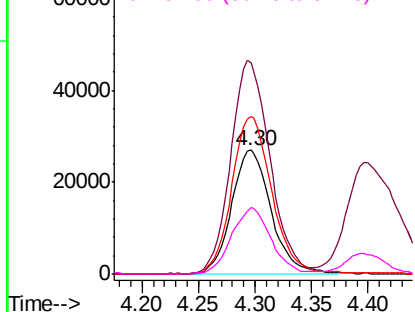
#23

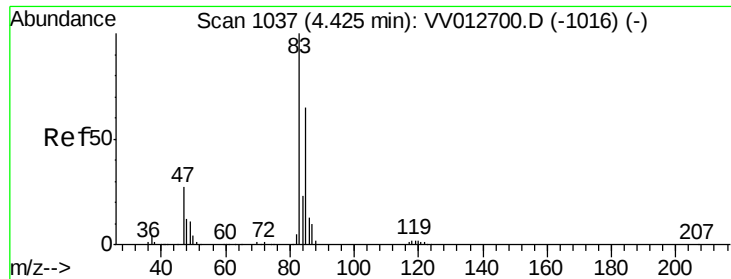
Bromochloromethane
 Concen: 4.139 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion: 128 Resp: 65645
 Ion Ratio Lower Upper
 128 100
 49 171.0 115.2 214.0
 130 127.6 92.9 172.5
 51 53.3 40.8 61.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

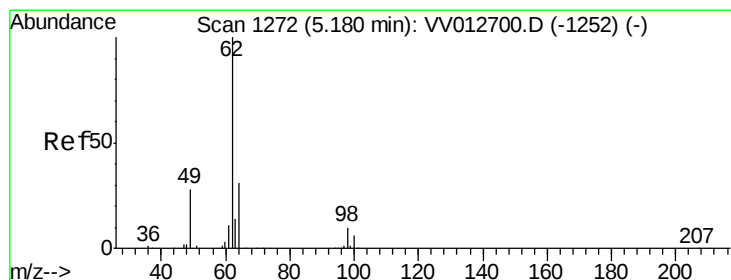
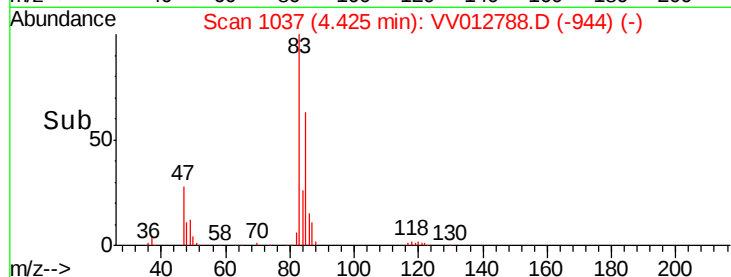
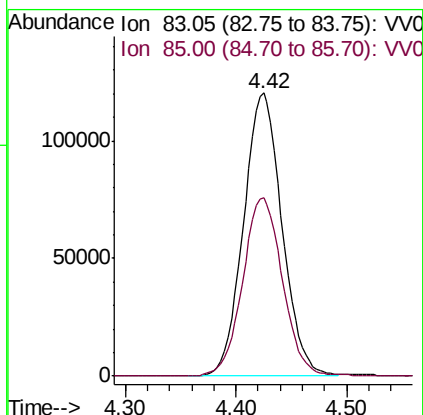
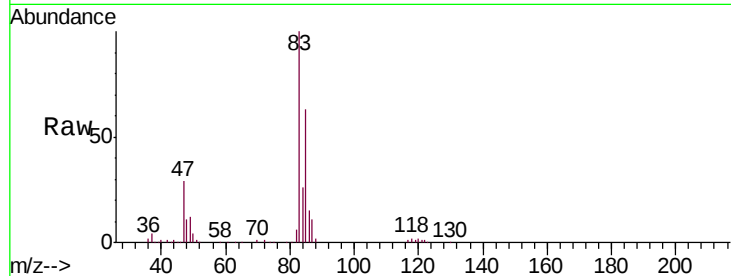




#25
Chloroform
Concen: 4.108 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

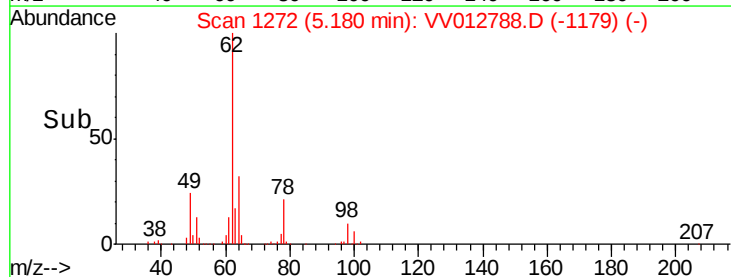
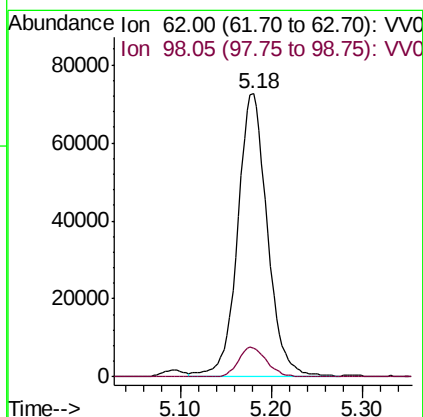
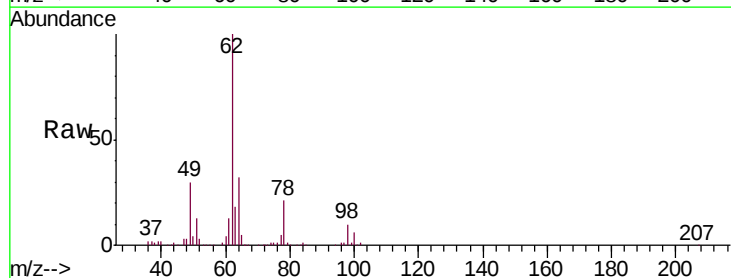
Instrument :
MSVOA_V
ClientSampled :
VSTD00555

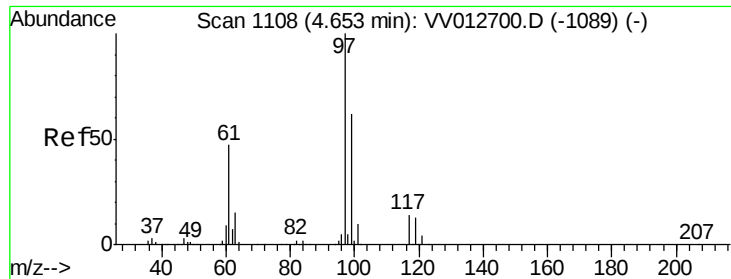
Tgt Ion: 83 Resp: 290953
Ion Ratio Lower Upper
83 100
85 62.9 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.408 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Tgt Ion: 62 Resp: 163687
Ion Ratio Lower Upper
62 100
98 10.3 8.4 12.6

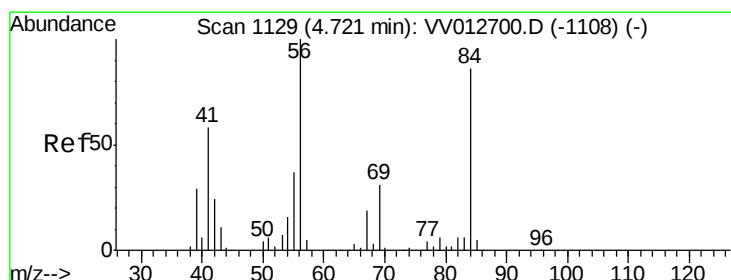
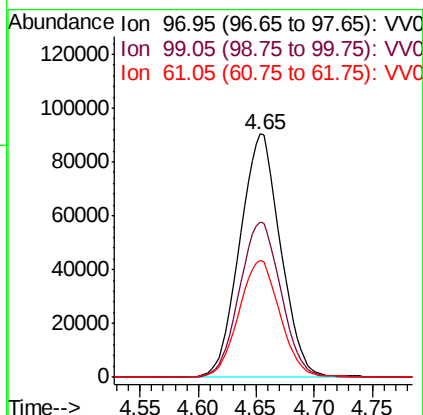
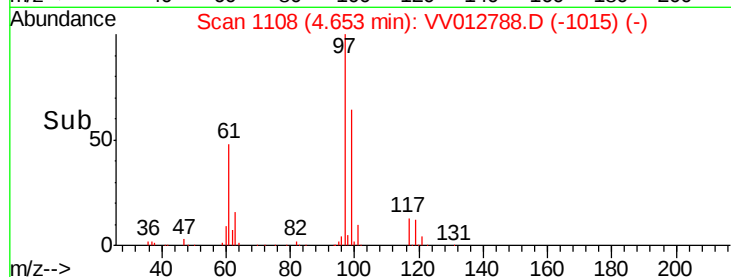
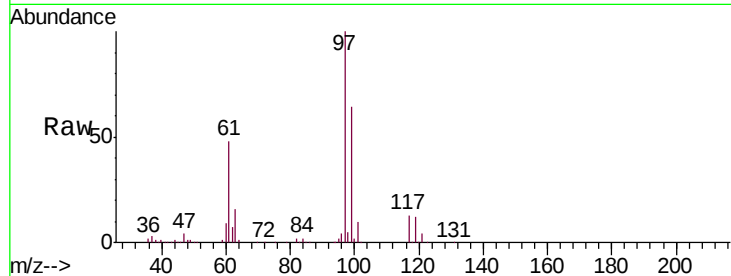




#29
 1,1,1-Trichloroethane
 Concen: 4.237 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

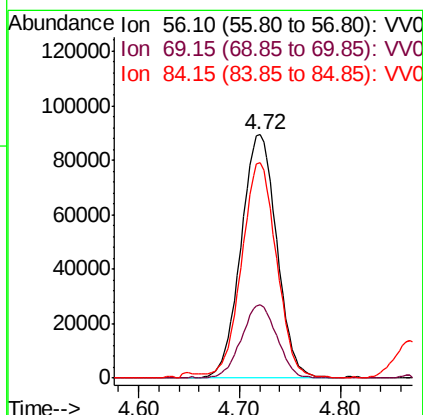
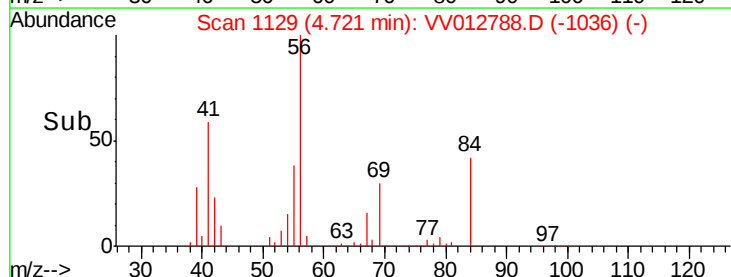
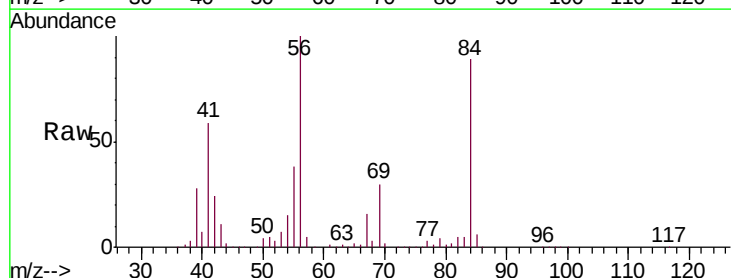
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

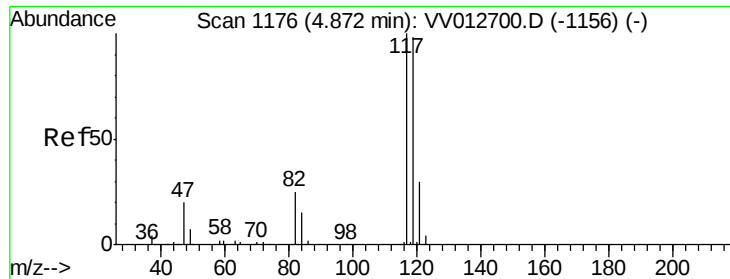
Tgt Ion: 97 Resp: 220918
 Ion Ratio Lower Upper
 97 100
 99 65.2 51.6 77.4
 61 48.7 37.5 56.3



#30
 Cyclohexane
 Concen: 4.237 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion: 56 Resp: 219946
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.8 35.8
 84 86.0 70.1 105.1

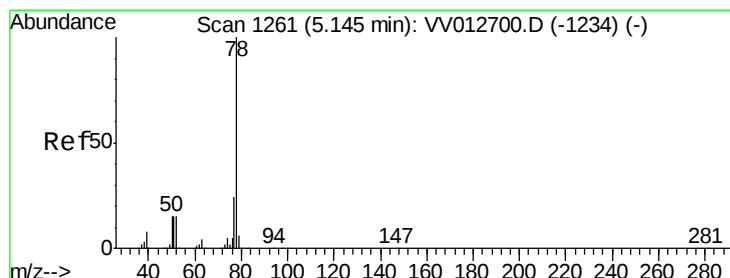
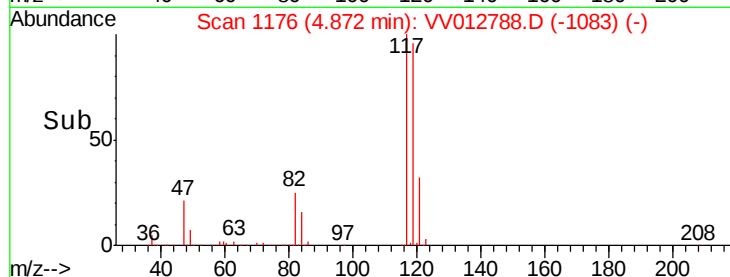
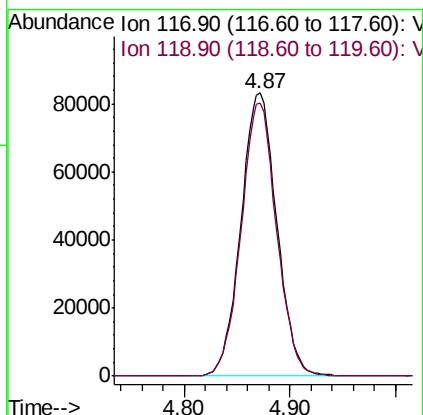
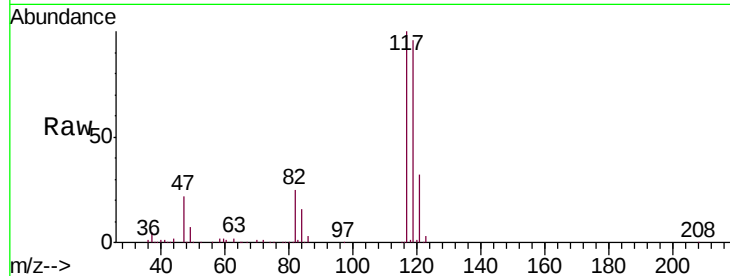




#31
Carbon tetrachloride
Concen: 4.271 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

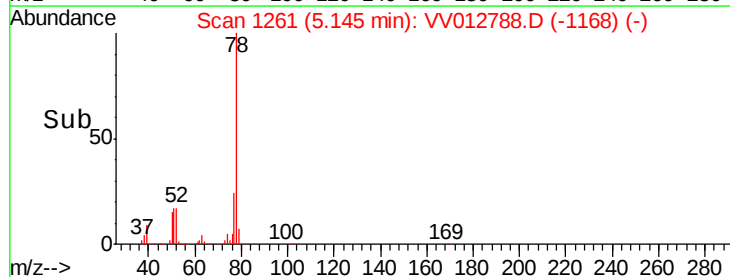
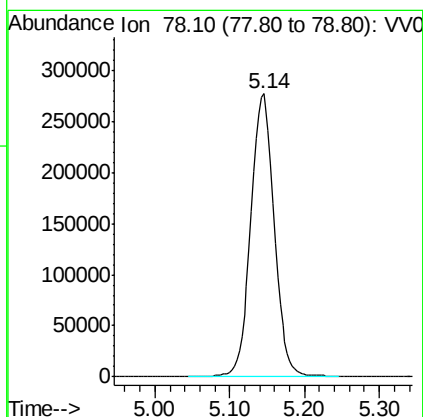
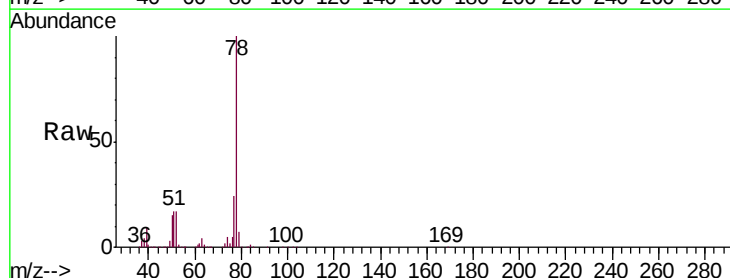
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

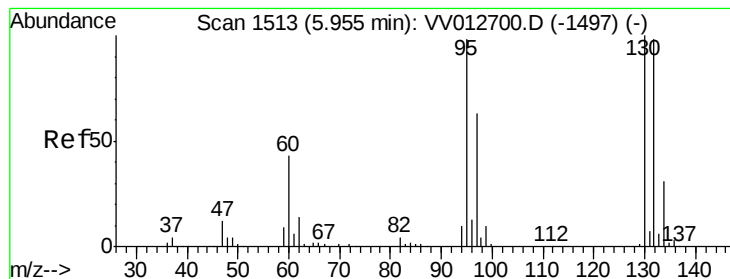
Tgt Ion:117 Resp: 196168
Ion Ratio Lower Upper
117 100
119 95.8 77.7 116.5



#33
Benzene
Concen: 4.393 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Tgt Ion: 78 Resp: 608181





#34

Trichloroethene

Concen: 4.243 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion: 95 Resp: 162328

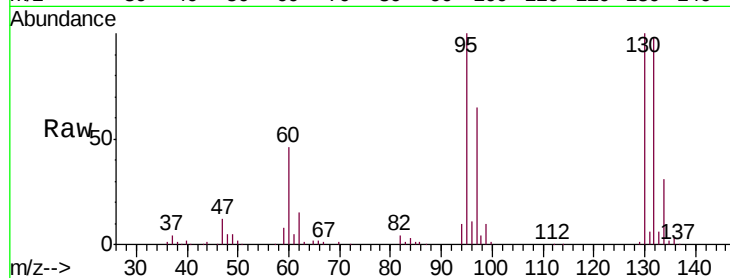
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 98.2 70.2 130.4

130 99.8 74.2 137.8

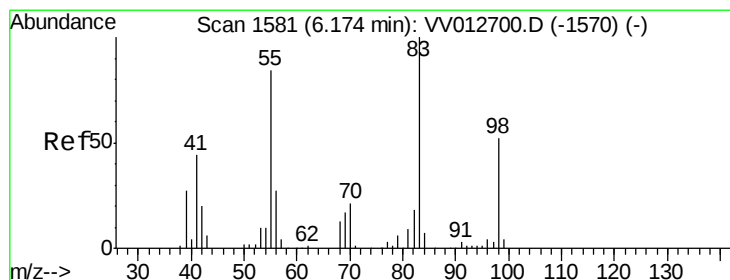
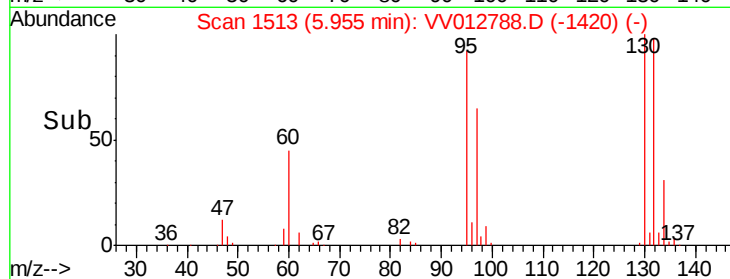
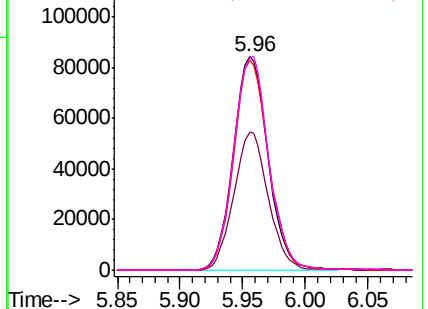


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.233 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

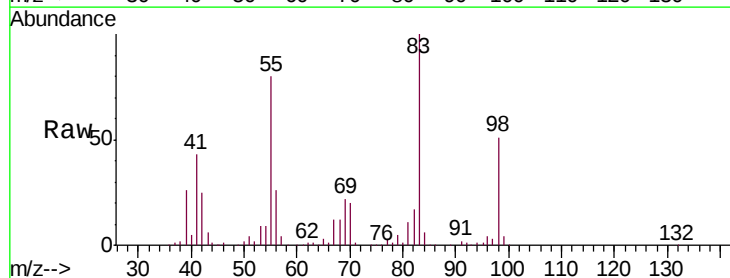
Tgt Ion: 83 Resp: 228888

Ion Ratio Lower Upper

83 100

55 80.1 63.0 94.4

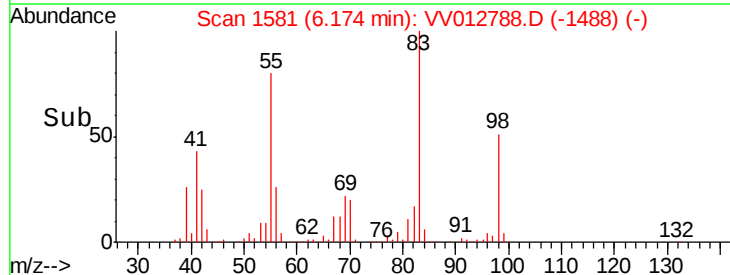
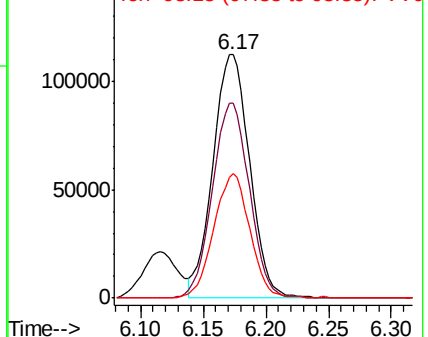
98 50.2 39.8 59.8

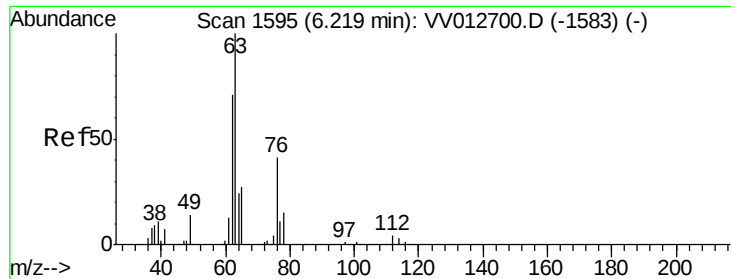


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 4.490 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

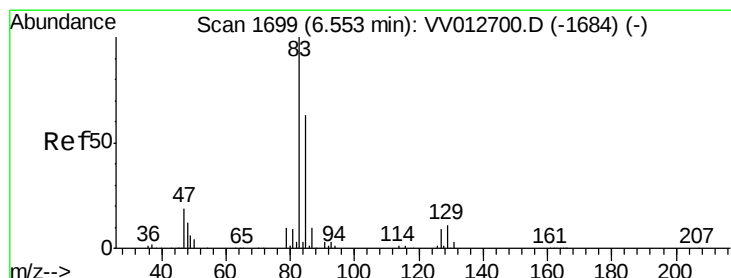
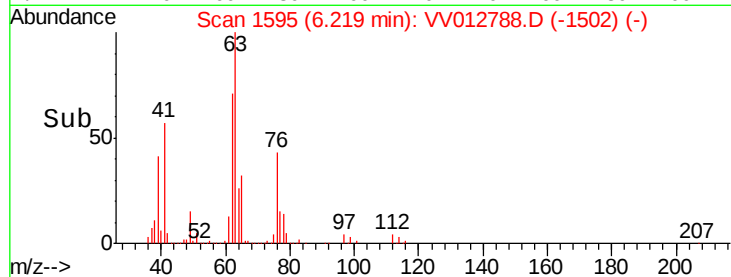
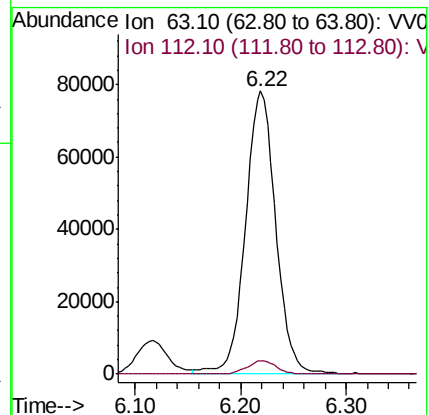
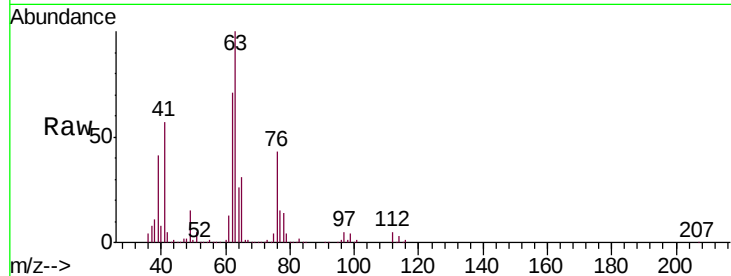
VSTD00555

Tgt Ion: 63 Resp: 154809

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 4.214 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

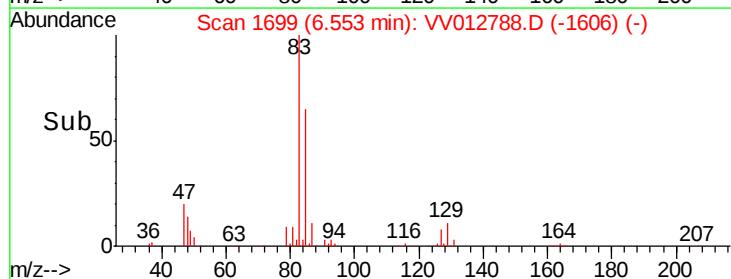
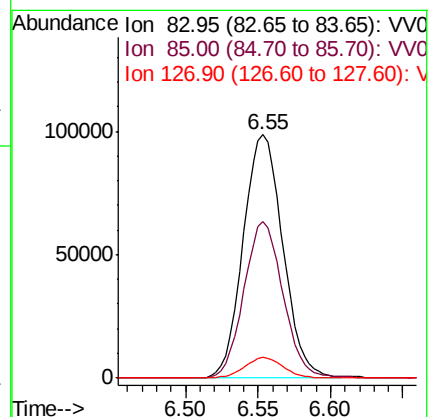
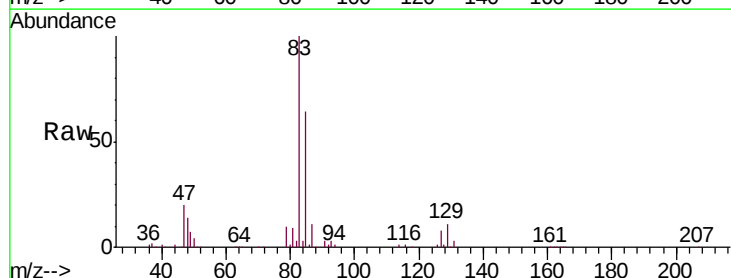
Tgt Ion: 83 Resp: 188219

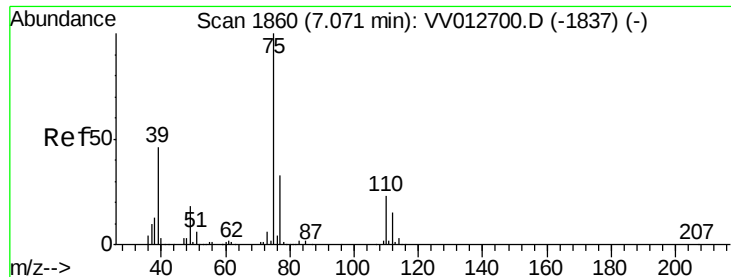
Ion Ratio Lower Upper

83 100

85 64.4 45.3 84.1

127 8.4 6.8 10.2

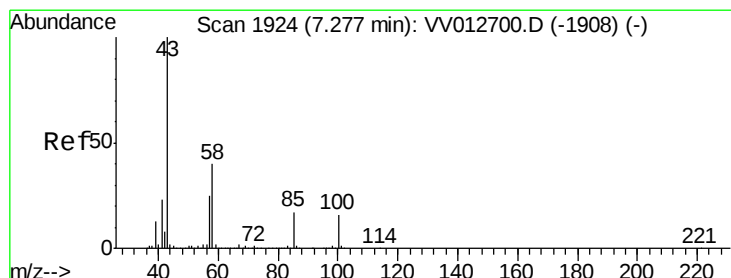
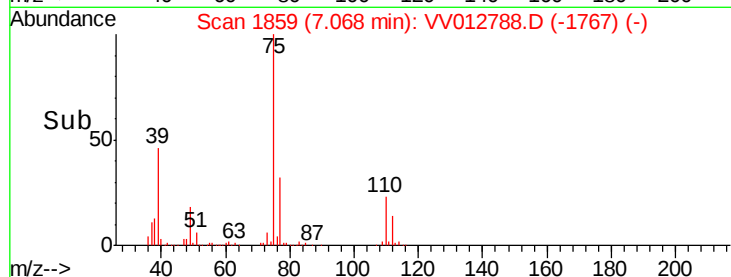
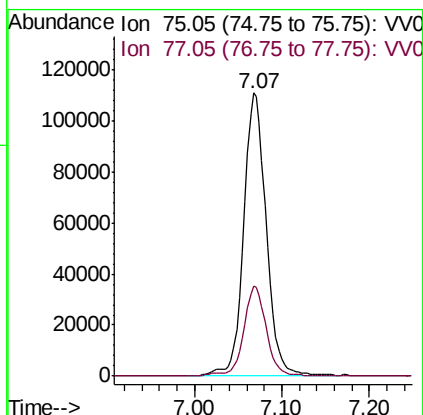
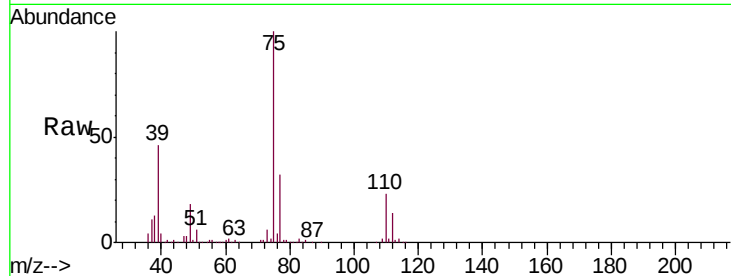




#39
 cis-1,3-Dichloropropene
 Concen: 4.414 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

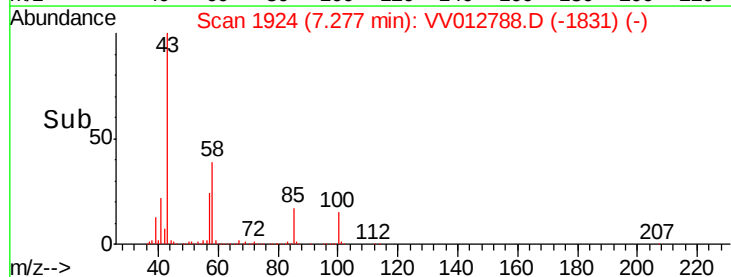
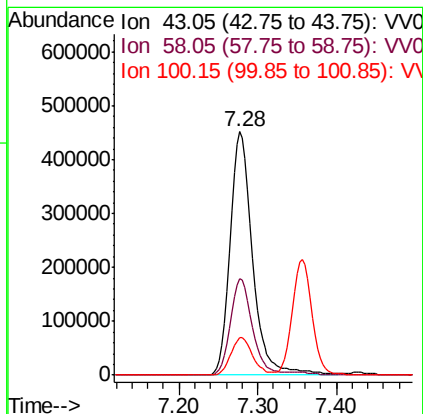
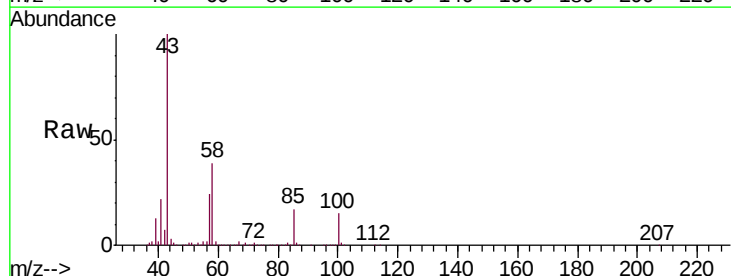
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

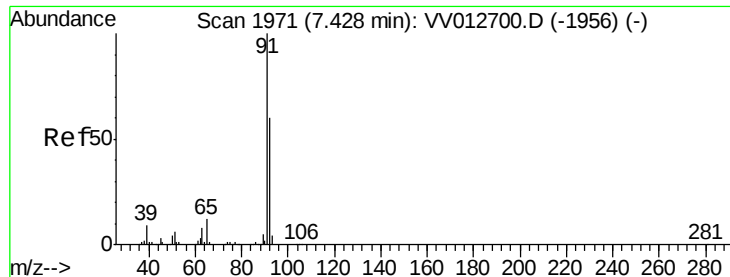
Tgt Ion: 75 Resp: 199671
 Ion Ratio Lower Upper
 75 100
 77 31.7 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 46.822 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion: 43 Resp: 895049
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.4 47.0
 100 14.9 12.6 18.8





#42

Toluene

Concen: 4.486 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

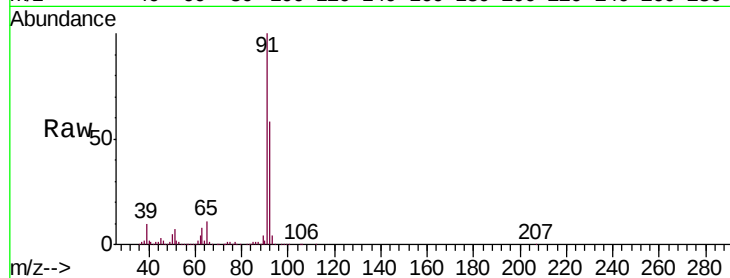
VSTD00555

Tgt Ion: 91 Resp: 645154

Ion Ratio Lower Upper

91 100

92 58.0 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV012788.D (-1878) (-)

Ion 92.15 (91.85 to 92.85): VV012788.D (-1878) (-)

7.43

400000

300000

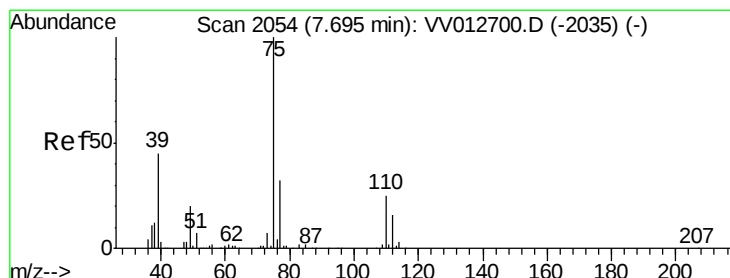
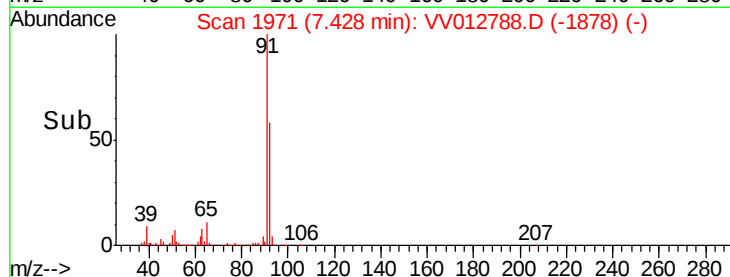
200000

100000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.490 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012788.D

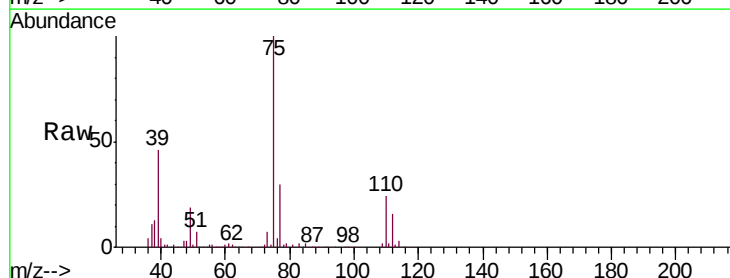
Acq: 15 Sep 2019 08:27

Tgt Ion: 75 Resp: 153177

Ion Ratio Lower Upper

75 100

77 30.3 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012788.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV012788.D (-1961) (-)

7.69

100000

80000

60000

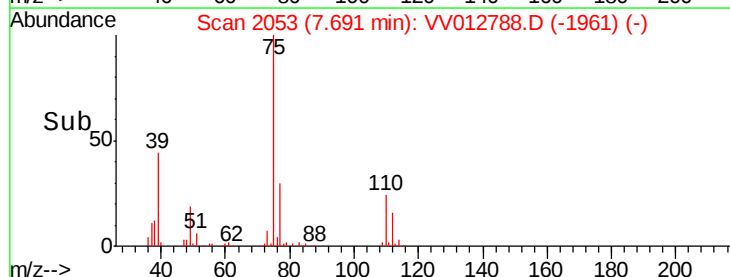
40000

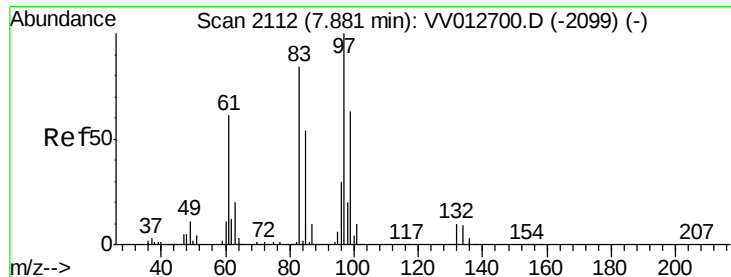
20000

0

7.60 7.70 7.80

Time-->

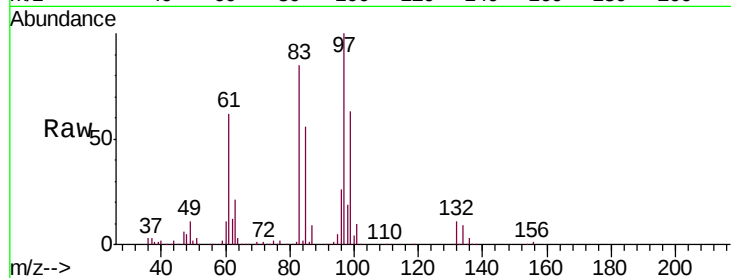




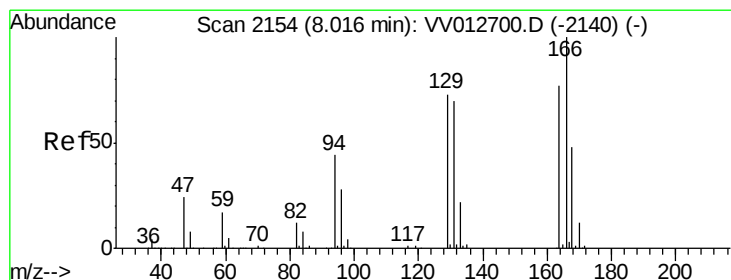
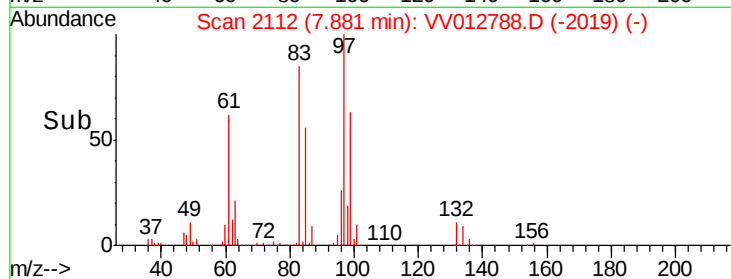
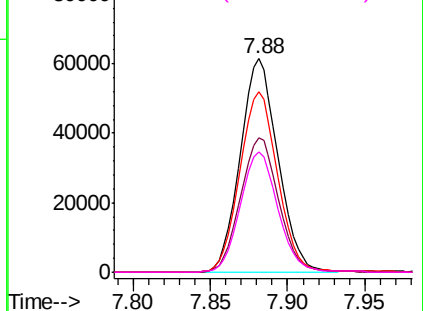
#45
 1,1,2-Trichloroethane
 Concen: 4.345 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

Tgt Ion:	97	Resp:	104362
Ion	Ratio	Lower	Upper
97	100		
99	63.0	44.2	82.0
83	84.6	60.8	112.8
85	56.2	38.6	71.6

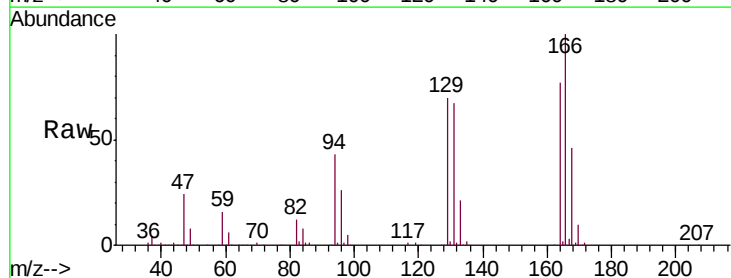


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

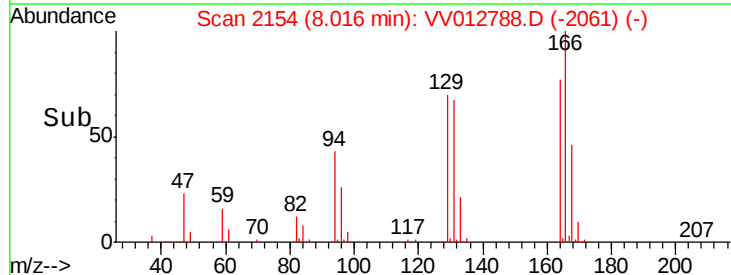
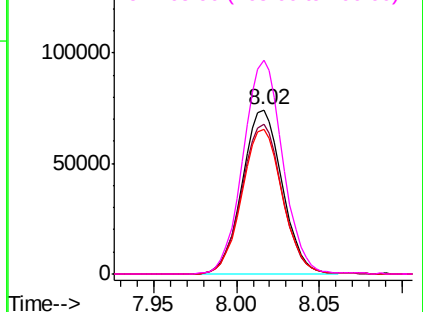


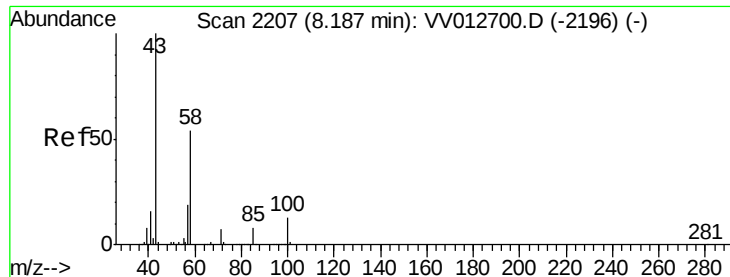
#47
 Tetrachloroethene
 Concen: 4.150 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion:	164	Resp:	124625
Ion	Ratio	Lower	Upper
164	100		
129	91.0	61.9	114.9
131	87.8	59.7	110.9
166	130.2	90.4	167.8



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

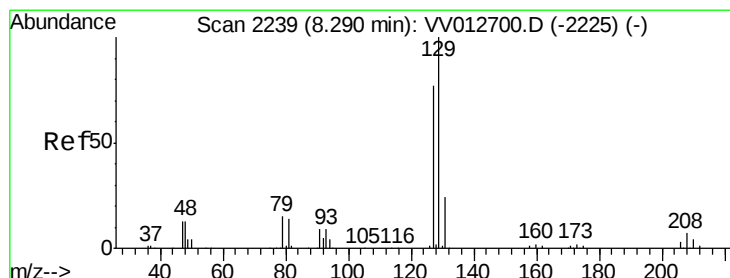
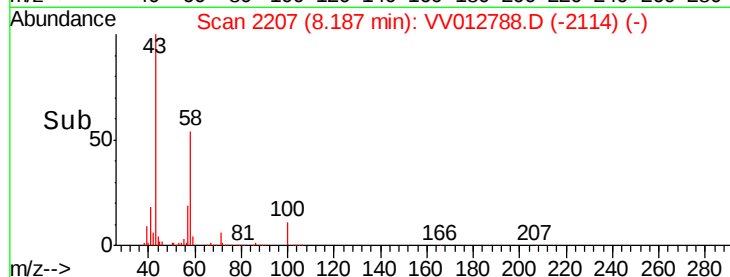
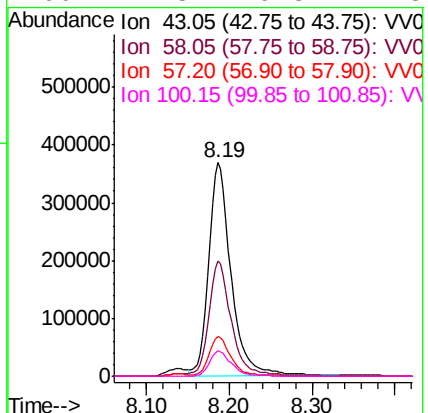
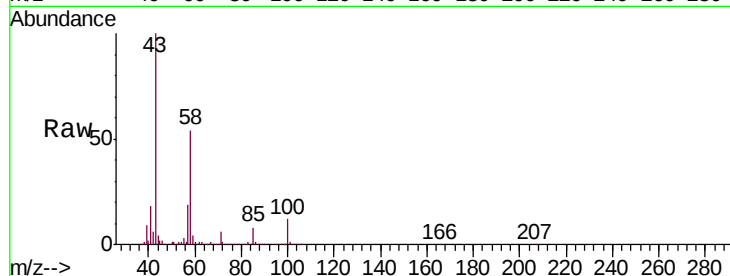




#48
2-Hexanone
Concen: 50.795 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

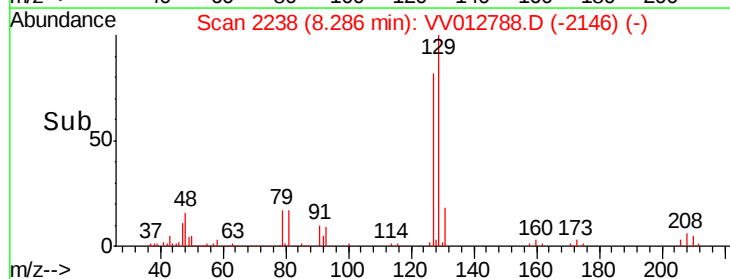
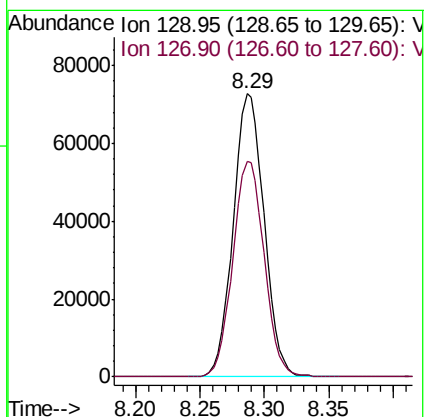
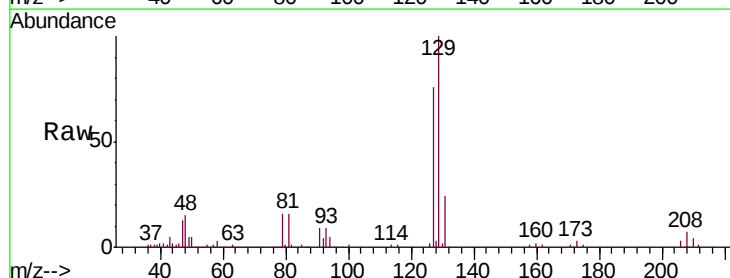
Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

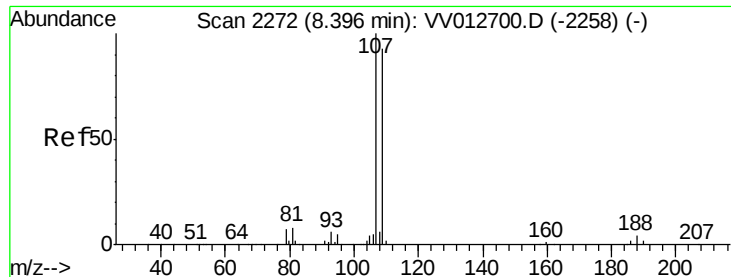
Tgt Ion: 43 Resp: 694799
Ion Ratio Lower Upper
43 100
58 56.1 44.8 67.2
57 18.2 14.9 22.3
100 11.8 9.8 14.8



#49
Dibromochloromethane
Concen: 4.236 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Tgt Ion: 129 Resp: 121025
Ion Ratio Lower Upper
129 100
127 76.1 53.5 99.5





#50

1,2-Dibromoethane

Concen: 4.317 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

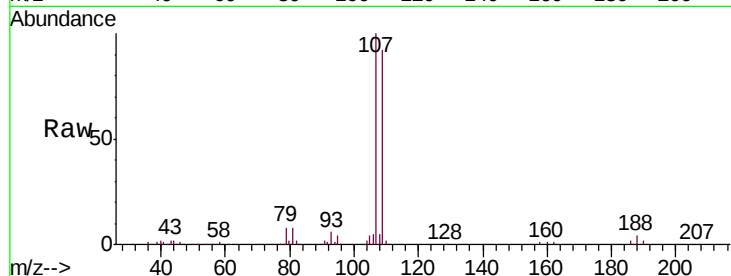
Tgt Ion:107 Resp: 91880

Ion Ratio Lower Upper

107 100

109 92.3 67.7 125.7

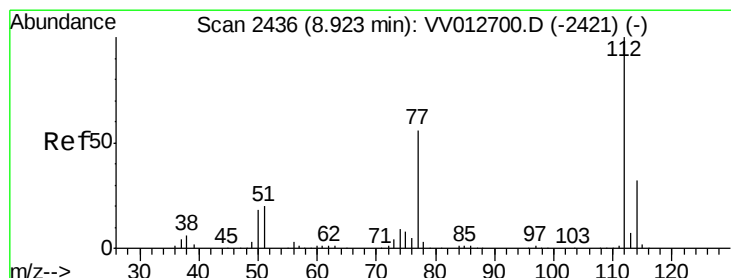
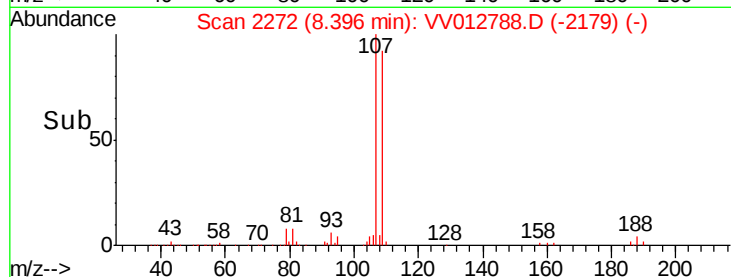
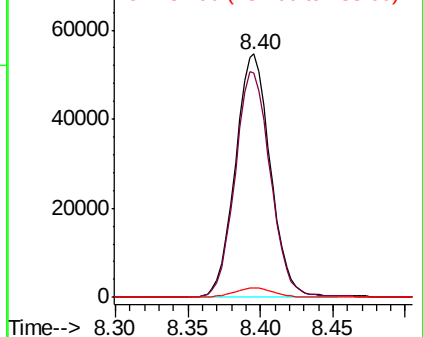
188 4.0 3.3 4.9



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.303 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

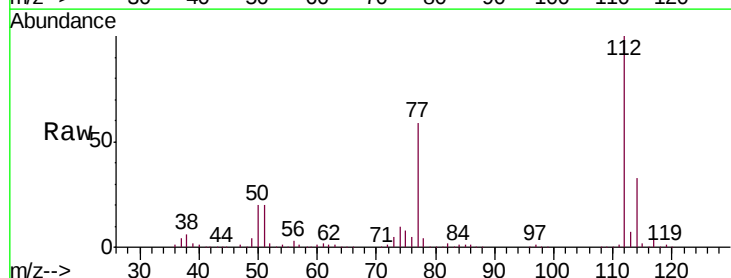
Tgt Ion:112 Resp: 406874

Ion Ratio Lower Upper

112 100

114 33.0 22.5 41.9

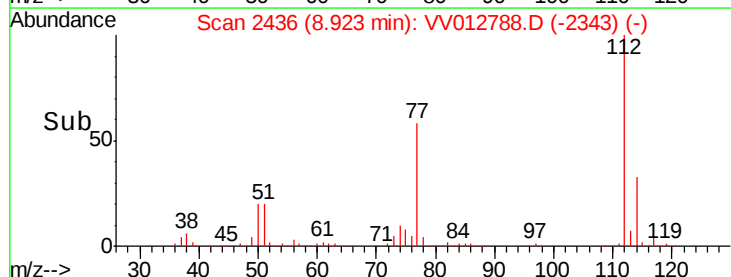
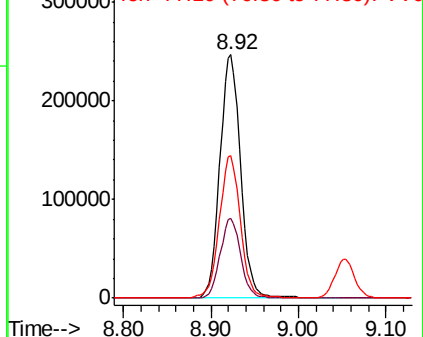
77 58.5 46.2 69.2

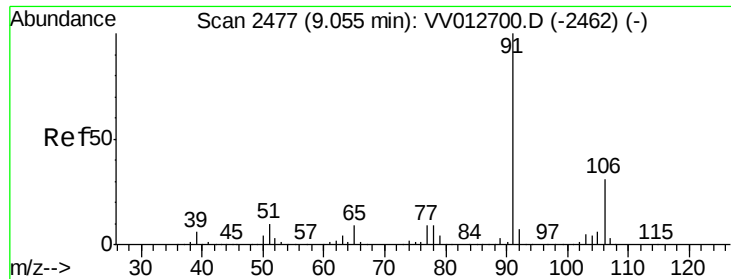


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.400 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

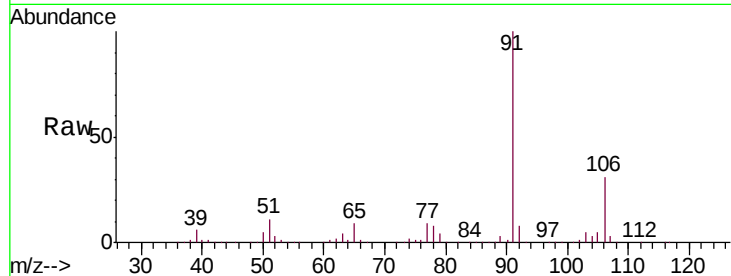
VSTD00555

Tgt Ion: 91 Resp: 680690

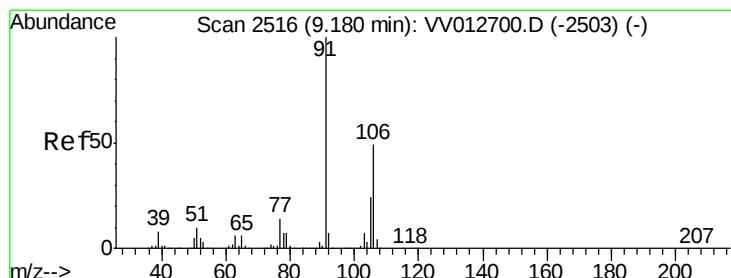
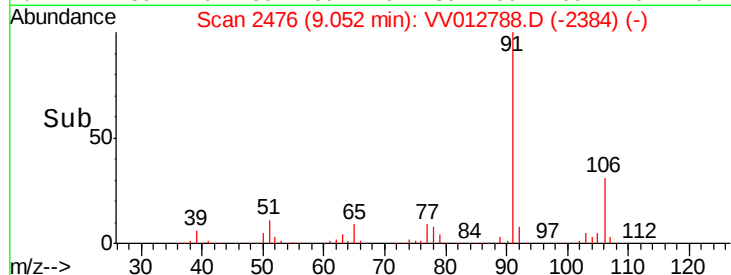
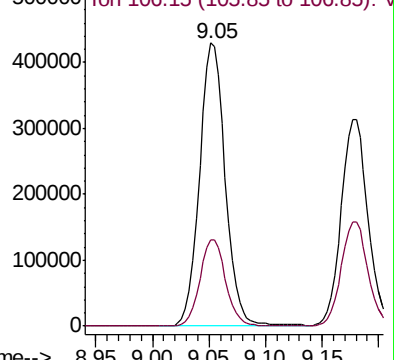
Ion Ratio Lower Upper

91 100

106 30.6 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012700.D (-2462) (-)



#53

m,p-xylene

Concen: 4.451 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012788.D

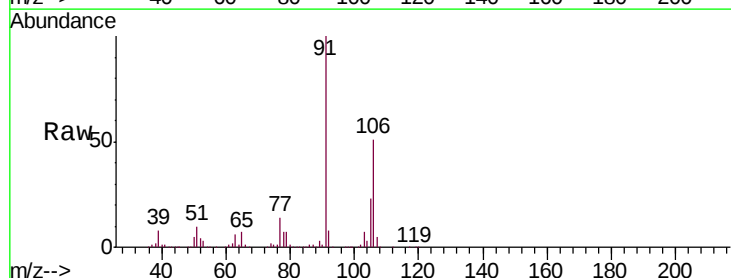
Acq: 15 Sep 2019 08:27

Tgt Ion: 106 Resp: 260276

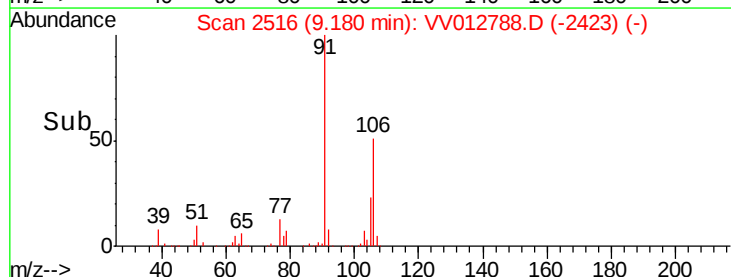
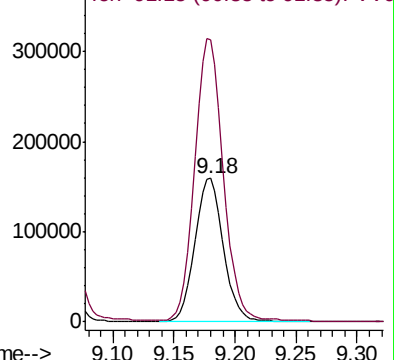
Ion Ratio Lower Upper

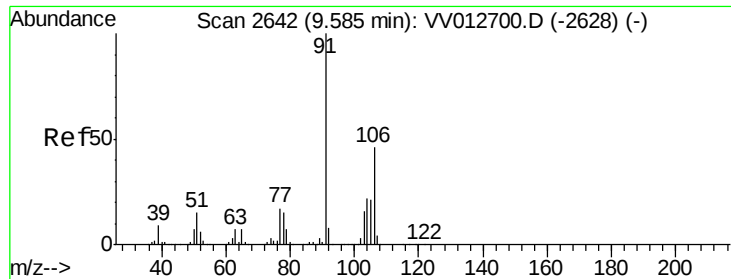
106 100

91 197.3 140.0 260.0



Abundance Ion 106.15 (105.85 to 106.85): VV012700.D (-2503) (-)

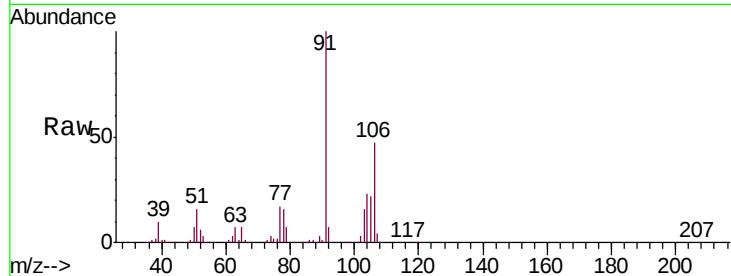




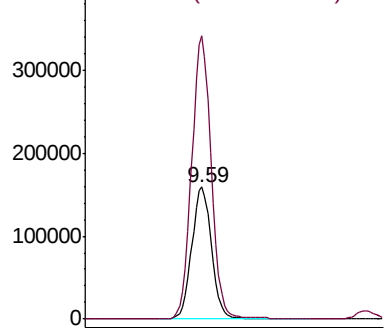
#54
o-xylene
Concen: 4.476 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

Instrument :
MSVOA_V
ClientSampleId :
VSTD00555

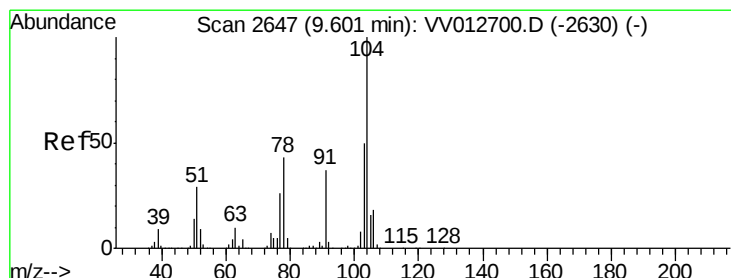
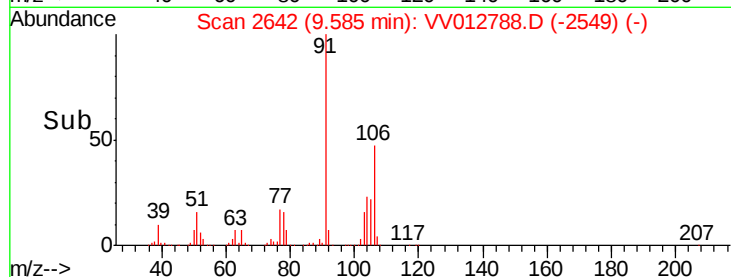
Tgt Ion:106 Resp: 250698
Ion Ratio Lower Upper
106 100
91 214.4 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

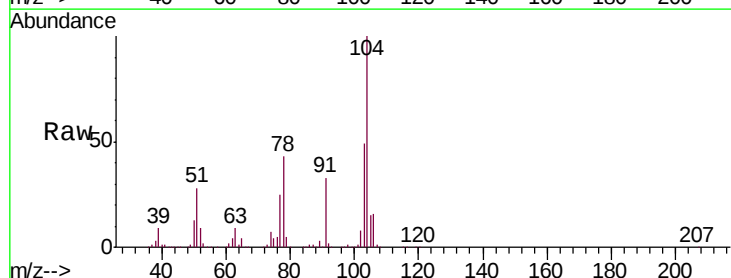


Time-->

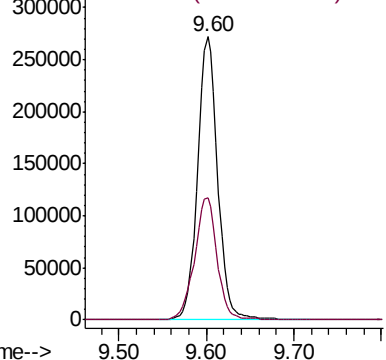


#55
Styrene
Concen: 4.670 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012788.D
Acq: 15 Sep 2019 08:27

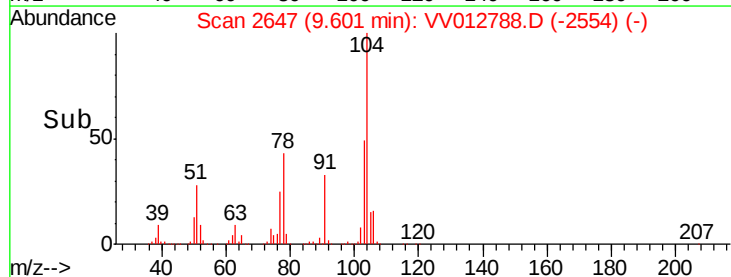
Tgt Ion:104 Resp: 434991
Ion Ratio Lower Upper
104 100
78 43.1 30.2 56.0

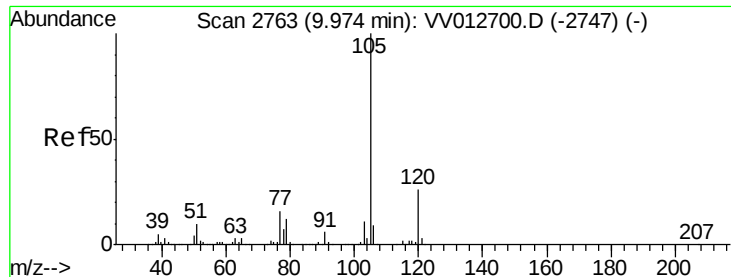


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#56

Isopropylbenzene

Concen: 4.493 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

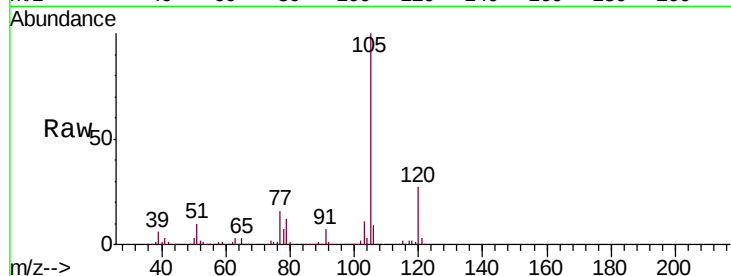
Tgt Ion: 105 Resp: 666578

Ion Ratio Lower Upper

105 100

120 26.8 21.1 31.7

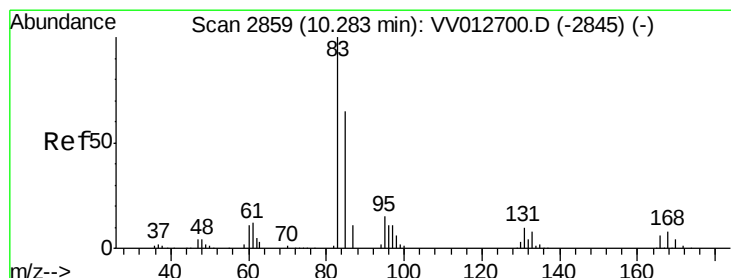
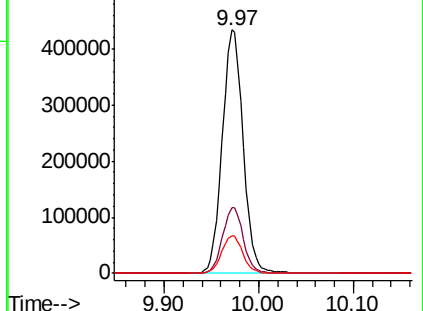
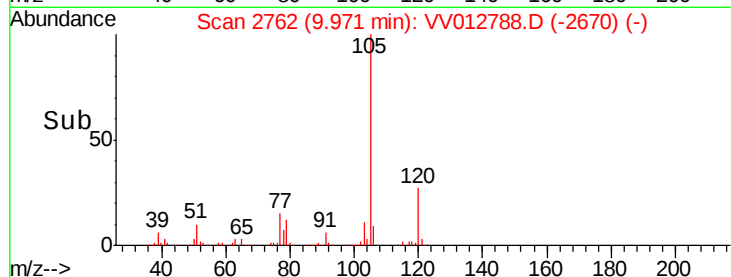
77 15.7 12.2 18.4



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: 4.303 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

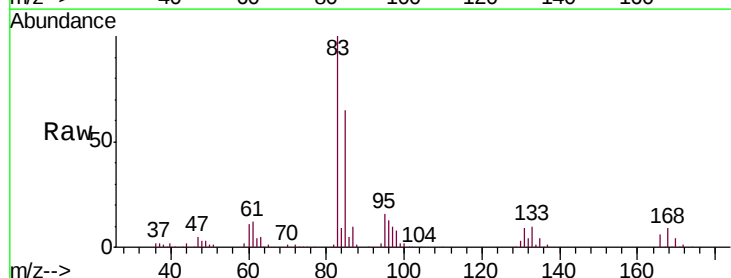
Tgt Ion: 83 Resp: 103035

Ion Ratio Lower Upper

83 100

85 65.2 45.4 84.2

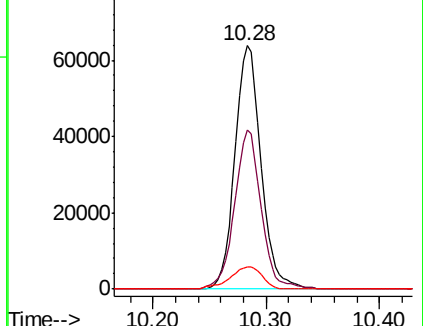
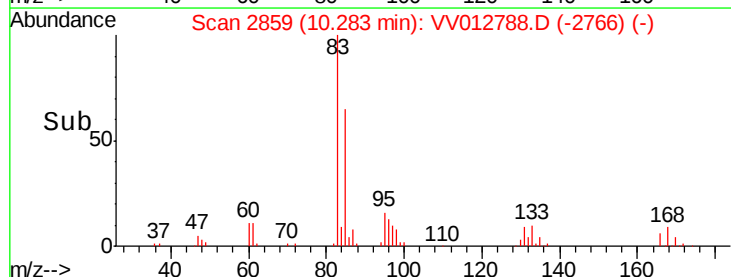
131 9.0 8.2 12.4

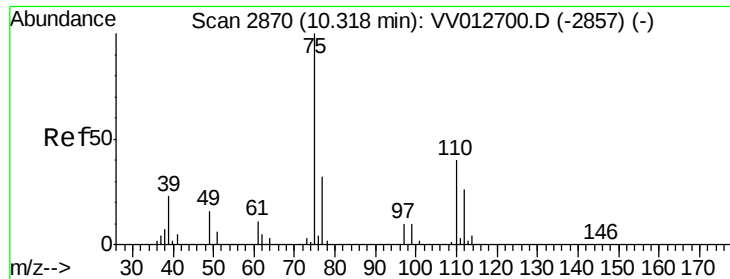


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.290 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

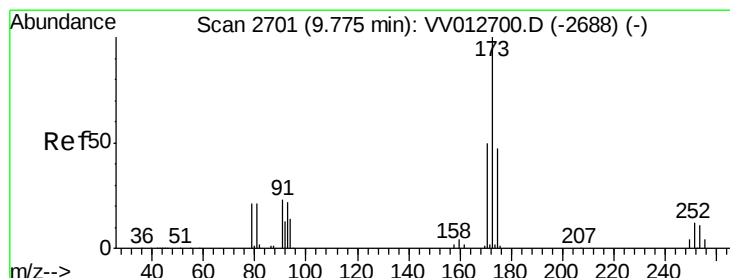
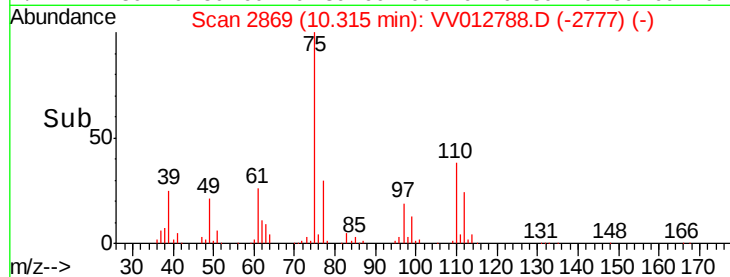
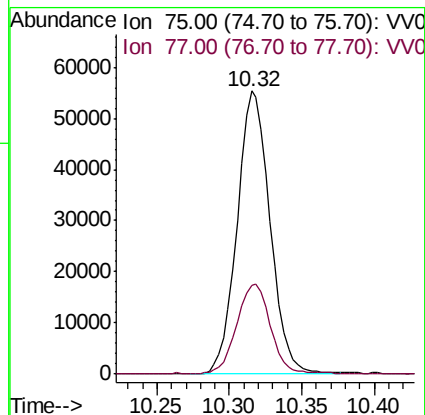
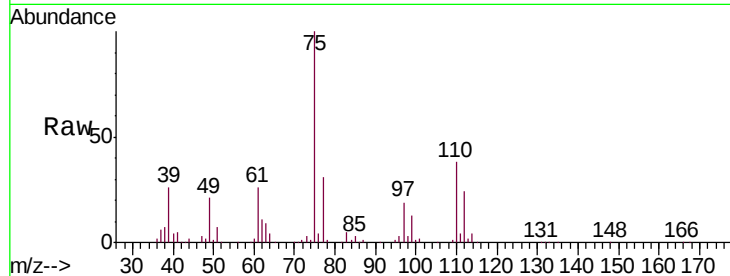
VSTD00555

Tgt Ion: 75 Resp: 87263

Ion Ratio Lower Upper

75 100

77 31.8 24.9 37.3



#61

Bromoform

Concen: 3.914 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

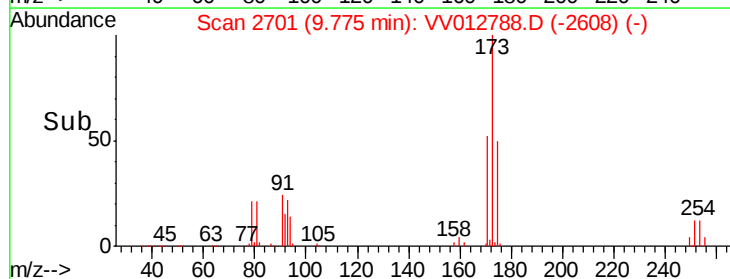
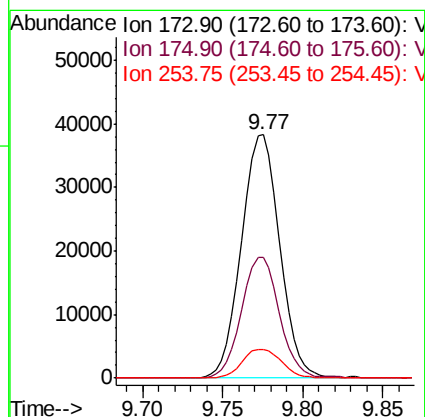
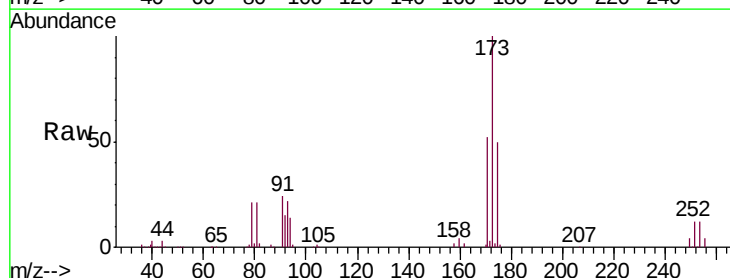
Tgt Ion: 173 Resp: 62574

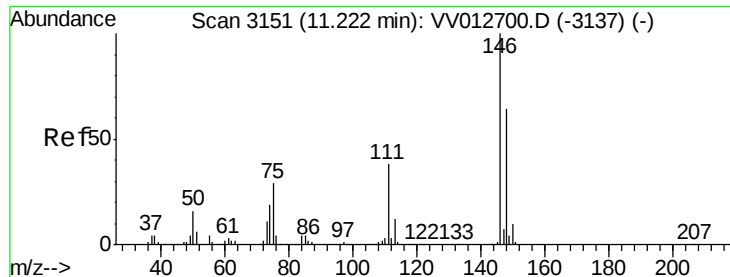
Ion Ratio Lower Upper

173 100

175 49.1 39.8 59.6

254 12.1 9.1 13.7

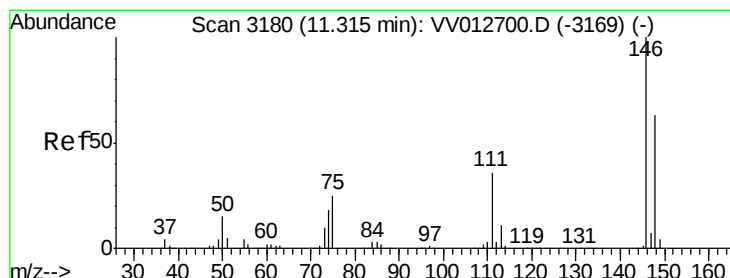
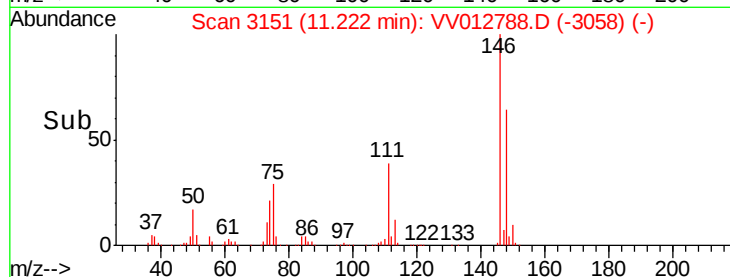
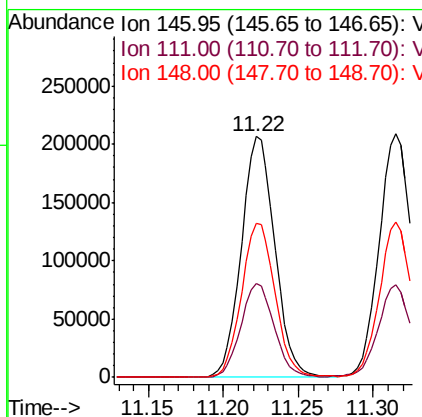
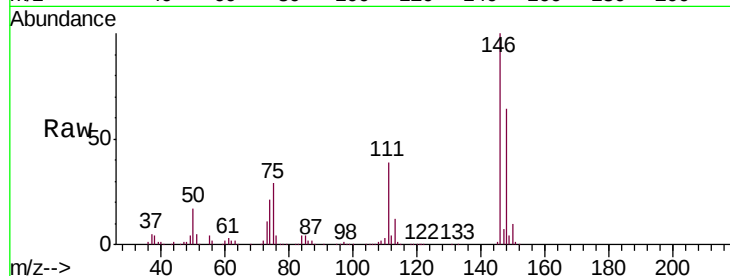




#62
 1,3-Dichlorobenzene
 Concen: 4.343 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

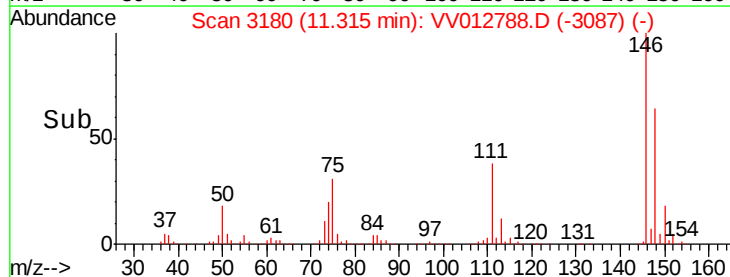
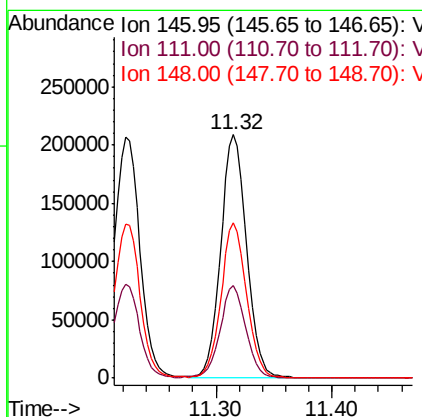
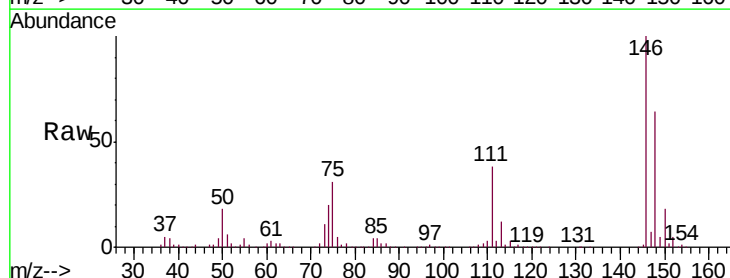
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

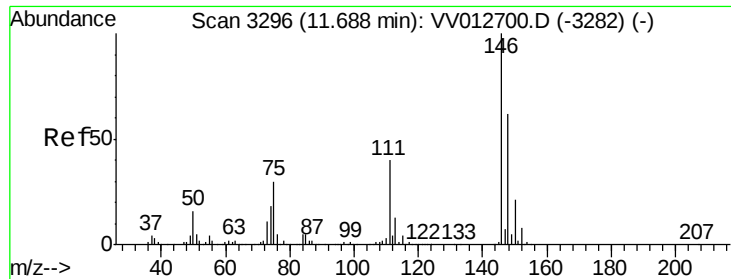
Tgt Ion:146 Resp: 322597
 Ion Ratio Lower Upper
 146 100
 111 39.2 26.3 48.9
 148 64.1 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 4.325 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion:146 Resp: 324254
 Ion Ratio Lower Upper
 146 100
 111 37.8 25.9 48.1
 148 63.7 45.1 83.7

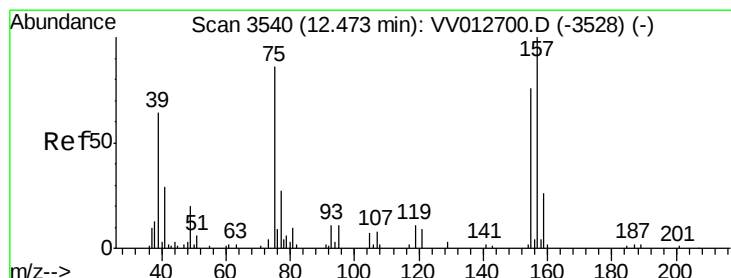
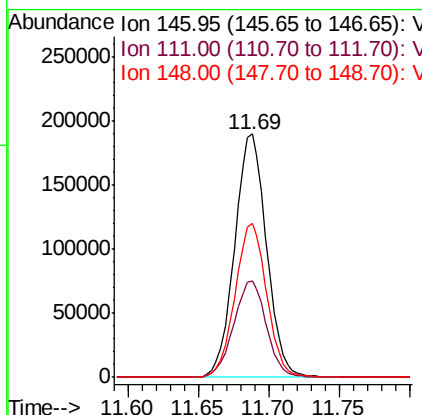
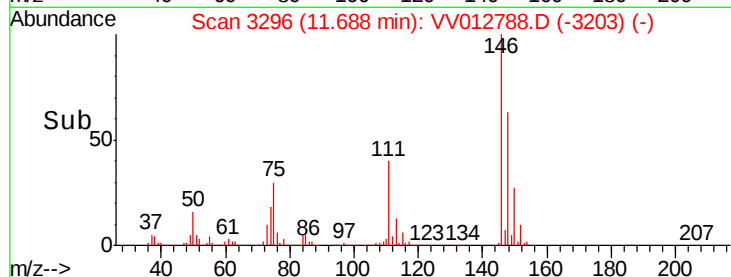
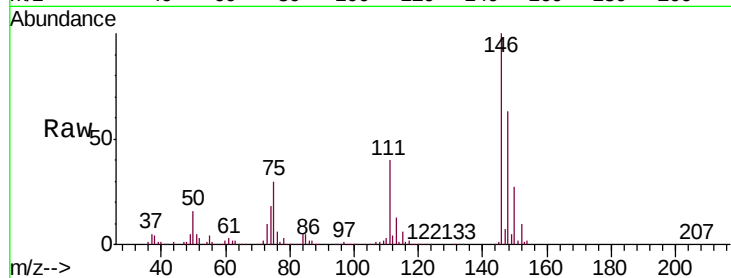




#65
 1,2-Dichlorobenzene
 Concen: 4.307 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

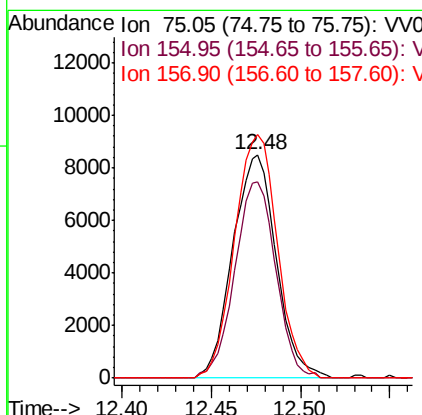
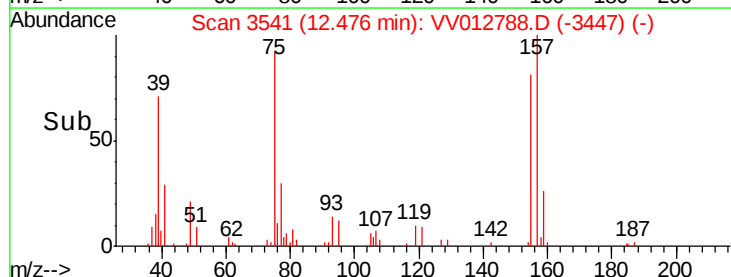
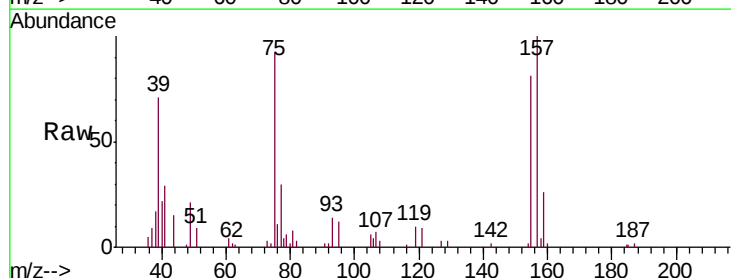
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00555

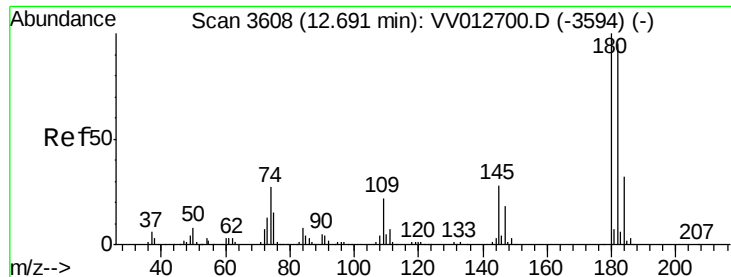
Tgt Ion: 146 Resp: 301245
 Ion Ratio Lower Upper
 146 100
 111 39.6 32.2 48.4
 148 63.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.969 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV012788.D
 Acq: 15 Sep 2019 08:27

Tgt Ion: 75 Resp: 14464
 Ion Ratio Lower Upper
 75 100
 155 87.9 74.3 111.5
 157 108.9 87.4 131.0





#67

1,3,5-Trichlorobenzene

Concen: 4.267 ug/L

RT: 12.69 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

Tgt Ion:180 Resp: 240066

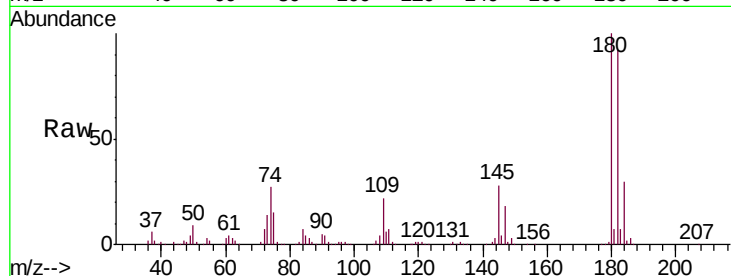
Ion Ratio Lower Upper

180 100

182 94.8 76.2 114.4

184 30.1 24.3 36.5

145 28.3 22.0 33.0

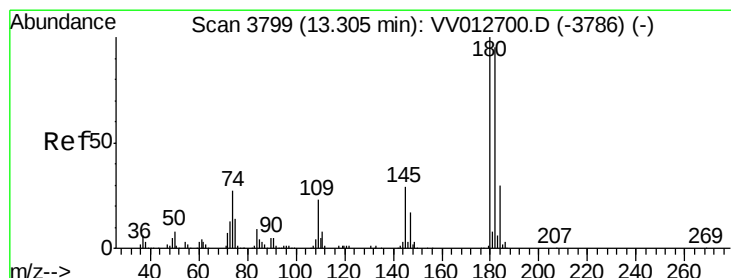
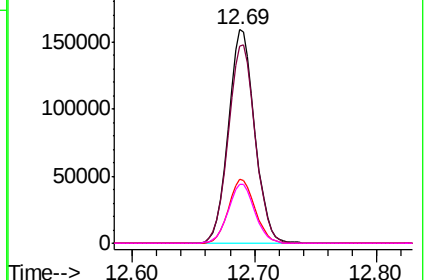
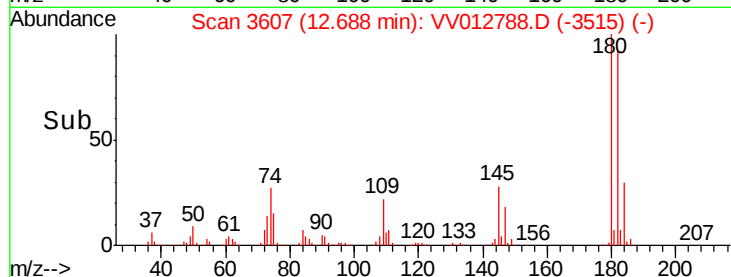


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68

1,2,4-trichlorobenzene

Concen: 4.170 ug/L

RT: 13.31 min Scan# 3799

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

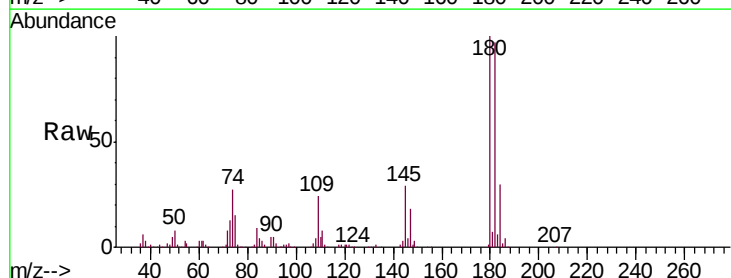
Tgt Ion:180 Resp: 185698

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

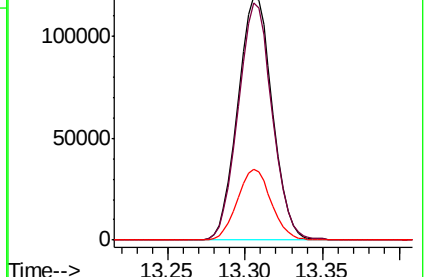
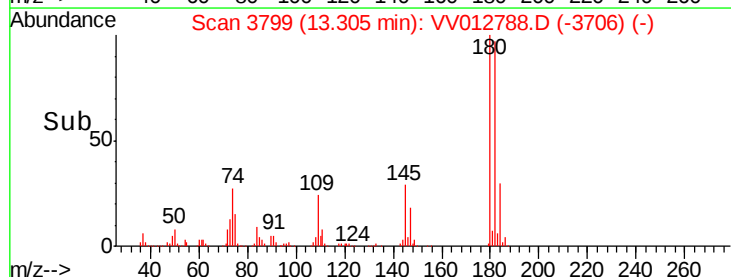
145 28.7 23.2 34.8

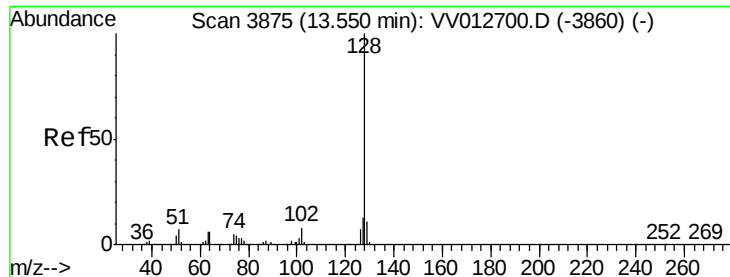


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.942 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

Instrument :

MSVOA_V

ClientSampleId :

VSTD00555

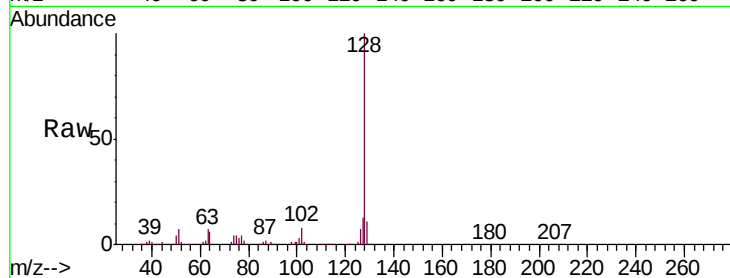
Tgt Ion:128 Resp: 265406

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

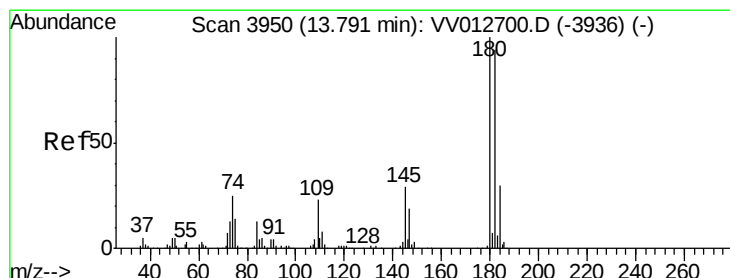
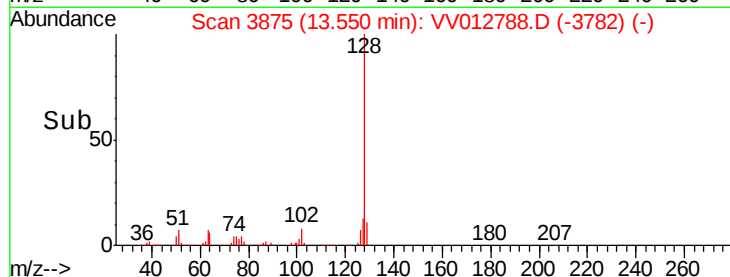
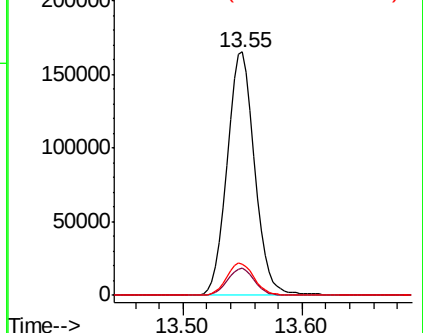
127 13.2 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.297 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012788.D

Acq: 15 Sep 2019 08:27

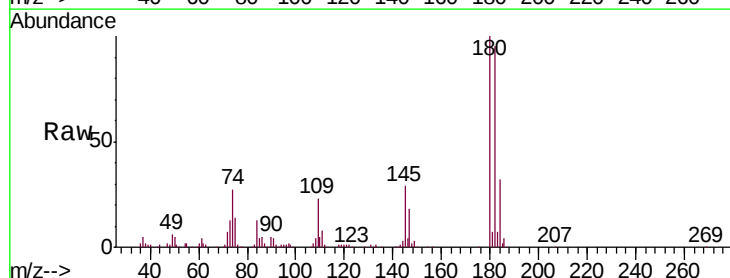
Tgt Ion:180 Resp: 180456

Ion Ratio Lower Upper

180 100

182 94.9 77.0 115.6

145 29.6 24.5 36.7



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

