

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041520\
 Data File : VV015524.D
 Acq On : 15 Apr 2020 21:25
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:46:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 16 00:42:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	105989	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	100237	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	49982	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	29764	5.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.20%
7) Chloroethane-d5	1.58	69	27078	5.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.00%
11) 1,1-Dichloroethene-d2	2.12	63	62013	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.00%
20) 2-Butanone-d5	3.92	46	80008	51.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.62%
24) Chloroform-d	4.38	84	63320	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.06	65	33388	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
32) Benzene-d6	5.08	84	118308	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
36) 1,2-Dichloropropane-d6	6.10	67	37176	5.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.40%
41) Toluene-d8	7.34	98	110563	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.20%
43) trans-1,3-Dichloropropene-	7.64	79	14983	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.11	63	63458	43.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.36%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	25524	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	11.65	152	39867	4.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	52832	5.036	ug/L 98
3) Chloromethane	1.25	50	50014	5.006	ug/L 100
5) Vinyl chloride	1.32	62	48056	4.995	ug/L 97
6) Bromomethane	1.53	94	26806	5.042	ug/L 98
8) Chloroethane	1.60	64	28823	5.166	ug/L 99
9) Trichlorofluoromethane	1.76	101	66389	5.394	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	36763	5.288	ug/L 99
12) 1,1-Dichloroethene	2.13	96	33873	5.091	ug/L 94
13) Acetone	2.19	43	59381	54.431	ug/L # 52
14) Carbon disulfide	2.31	76	102972	4.440	ug/L 100
15) Methyl Acetate	2.45	43	14991	4.644	ug/L 95
16) Methylene chloride	2.52	84	40029	5.136	ug/L 94
17) Methyl tert-butyl Ether	2.79	73	94458	5.312	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	37898	5.055	ug/L 95
19) 1,1-Dichloroethane	3.21	63	73950	5.233	ug/L 96
21) 2-Butanone	4.00	43	96200	54.568	ug/L # 71
22) cis-1,2-Dichloroethene	3.94	96	40987	5.265	ug/L 98

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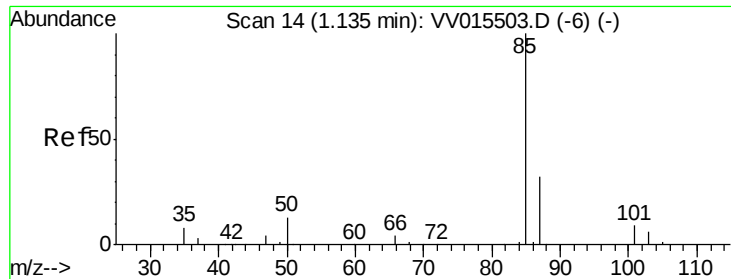
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 16 00:46:45 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	16940	5.230	ug/L	94
25) Chloroform	4.40	83	76672	5.301	ug/L	98
27) 1,2-Dichloroethane	5.16	62	50228	5.371	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	70050	5.386	ug/L	98
30) Cyclohexane	4.70	56	69083	5.003	ug/L	98
31) Carbon tetrachloride	4.86	117	60098	5.309	ug/L	99
33) Benzene	5.13	78	158336	5.278	ug/L	100
34) Trichloroethene	5.94	95	44065	5.457	ug/L	97
35) Methylcyclohexane	6.15	83	67560	4.966	ug/L	99
37) 1,2-Dichloropropane	6.20	63	40564	5.452	ug/L	99
38) Bromodichloromethane	6.53	83	51616	5.202	ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	58301	5.106	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	247665	50.689	ug/L	99
42) Toluene	7.41	91	170378	5.231	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	49045	5.079	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	26983	5.395	ug/L	98
47) Tetrachloroethene	8.00	164	31489	5.263	ug/L	97
48) 2-Hexanone	8.16	43	174809	51.206	ug/L	99
49) Dibromochloromethane	8.27	129	31212	5.209	ug/L	97
50) 1,2-Dibromoethane	8.38	107	24960	5.207	ug/L	96
51) Chlorobenzene	8.90	112	108379	5.220	ug/L	99
52) Ethylbenzene	9.03	91	194763	5.194	ug/L	98
53) m,p-xylene	9.16	106	72706	5.135	ug/L	99
54) o-xylene	9.57	106	71295	5.202	ug/L	100
55) Styrene	9.58	104	119599	5.192	ug/L	100
56) Isopropylbenzene	9.95	105	194416	5.174	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	29864	4.906	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	24036	5.224	ug/L	98
61) Bromoform	9.76	173	14783	5.043	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	86484	5.367	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	86896	5.299	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	77589	5.281	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	5337	4.747	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	63419	5.446	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	56772	5.412	ug/L	98
69) Naphthalene	13.53	128	94994	4.807	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	49644	5.358	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 5.036 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

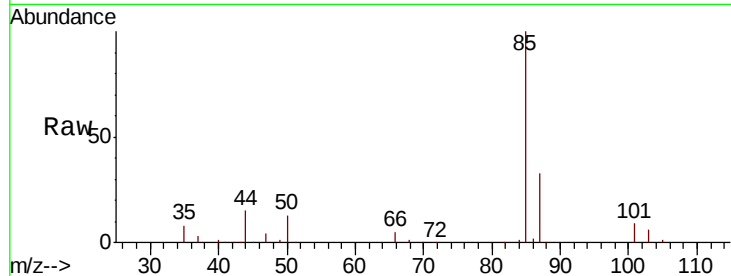
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 52832

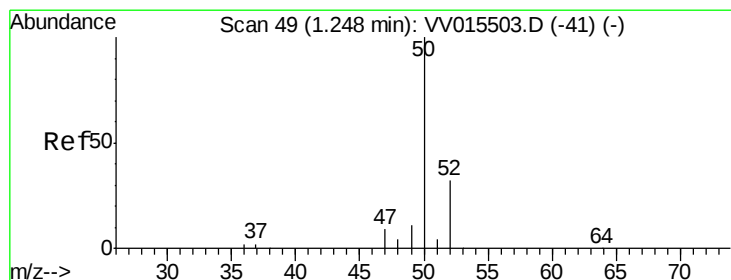
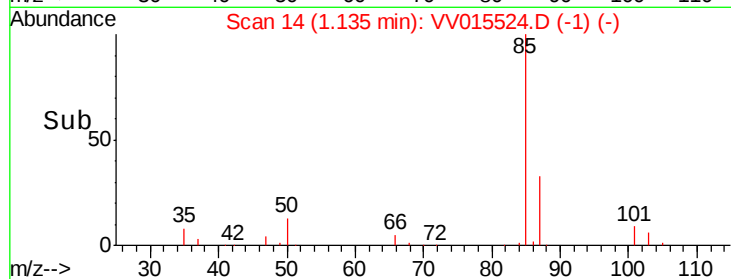
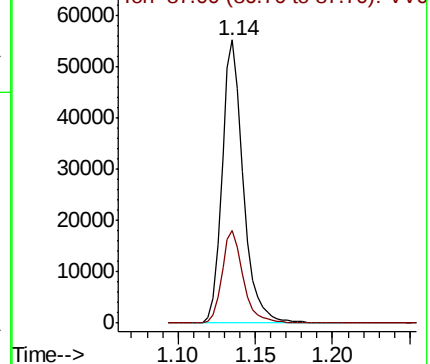
Ion Ratio Lower Upper

85 100

87 32.6 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0
Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.006 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV015524.D

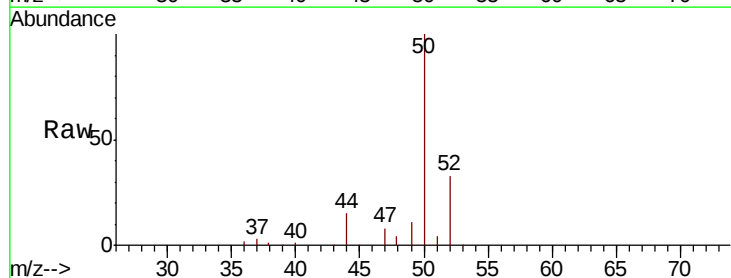
Acq: 15 Apr 2020 21:25

Tgt Ion: 50 Resp: 50014

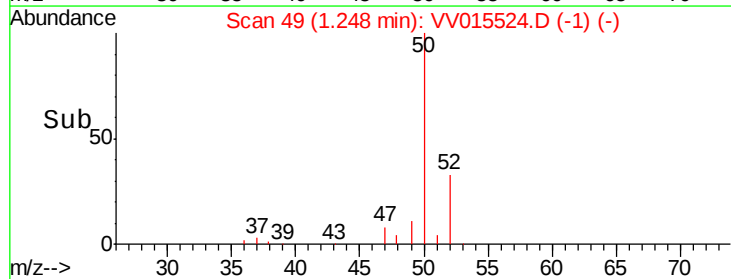
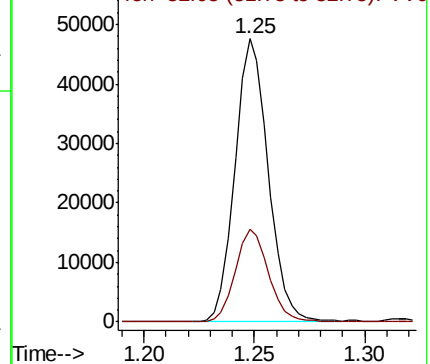
Ion Ratio Lower Upper

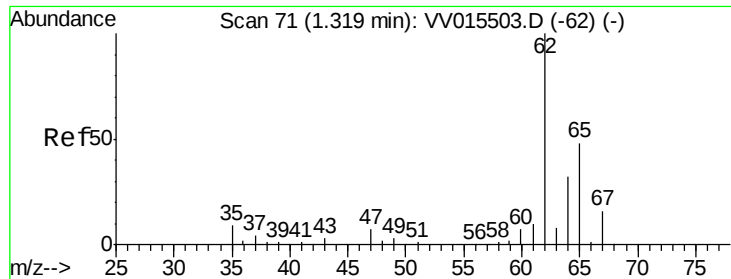
50 100

52 32.6 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0
Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 4.995 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

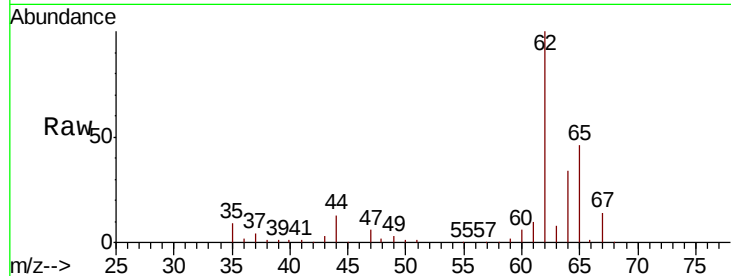
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 48056

Ion Ratio Lower Upper

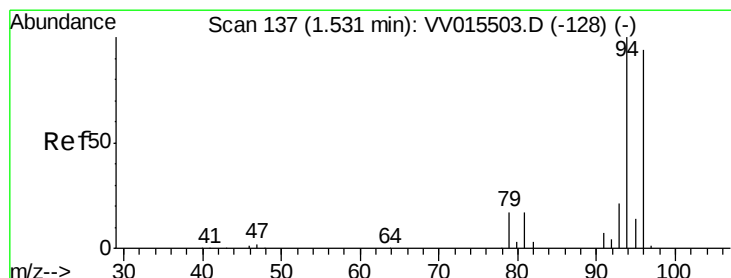
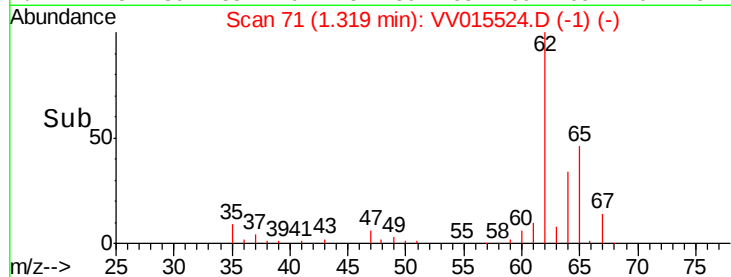
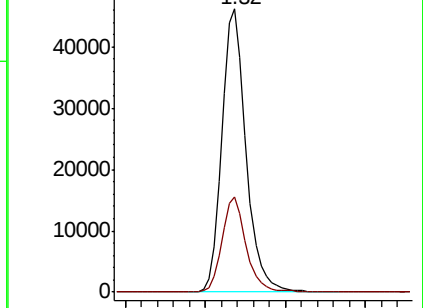
62 100

64 33.5 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV015503.D (-62) (-)

Ion 64.10 (63.80 to 64.80): VV015524.D (-64) (-)



#6

Bromomethane

Concen: 5.042 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV015524.D

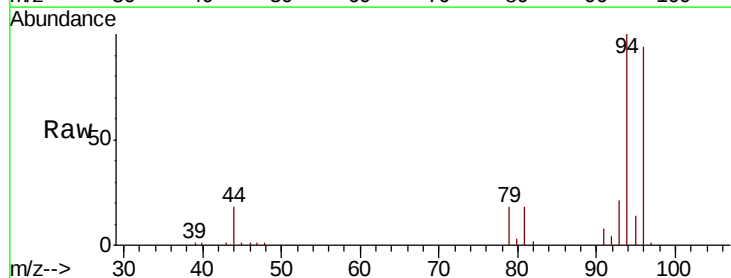
Acq: 15 Apr 2020 21:25

Tgt Ion: 94 Resp: 26806

Ion Ratio Lower Upper

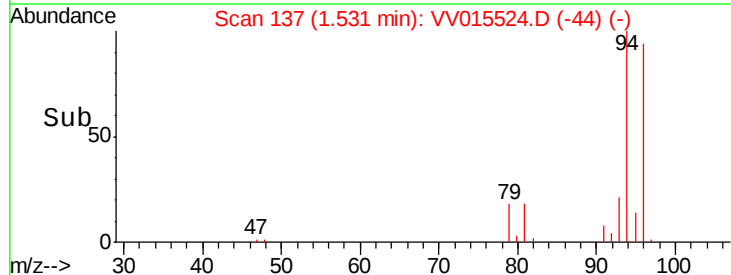
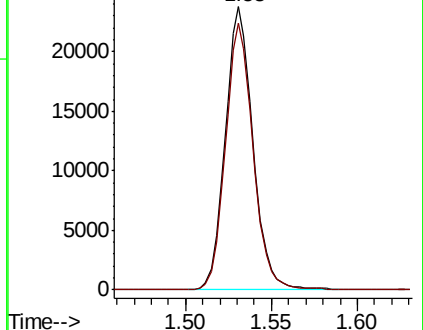
94 100

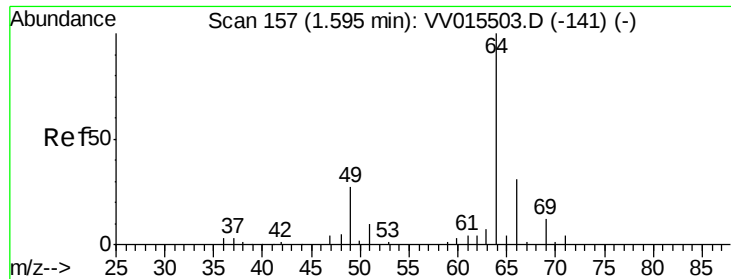
96 94.1 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV015503.D (-94) (-)

Ion 96.00 (95.70 to 96.70): VV015524.D (-96) (-)





#8

Chloroethane

Concen: 5.166 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

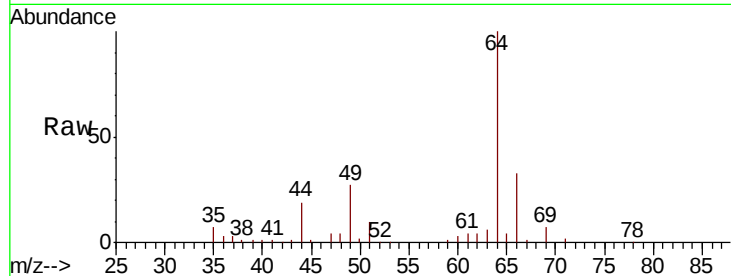
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 28823

Ion Ratio Lower Upper

64 100

66 32.7 22.3 41.5



Abundance Ion 64.10 (63.80 to 64.80): VV015524.D (-64) (-)

Ion 66.05 (65.75 to 66.75): VV015524.D (-64) (-)

1.60

25000

20000

15000

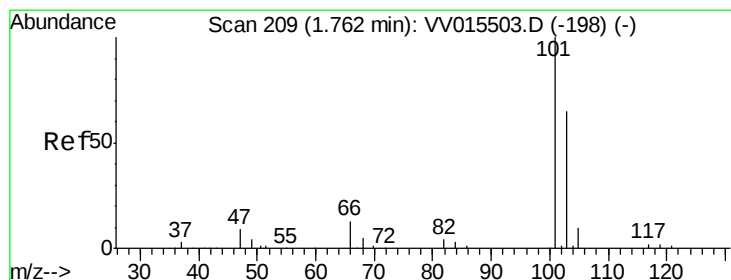
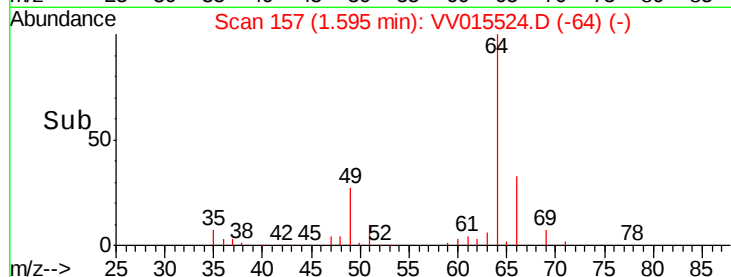
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5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 5.394 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV015524.D

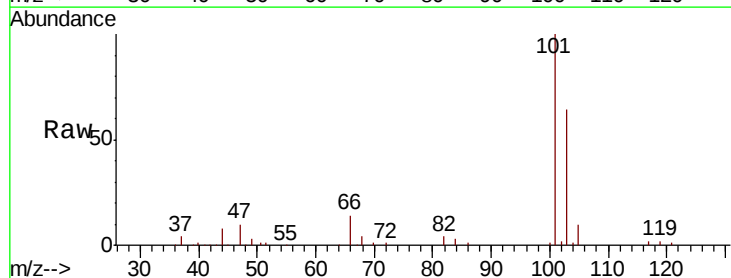
Acq: 15 Apr 2020 21:25

Tgt Ion:101 Resp: 66389

Ion Ratio Lower Upper

101 100

103 64.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV015524.D (-116) (-)

Ion 103.00 (102.70 to 103.70): VV015524.D (-116) (-)

1.76

60000

50000

40000

30000

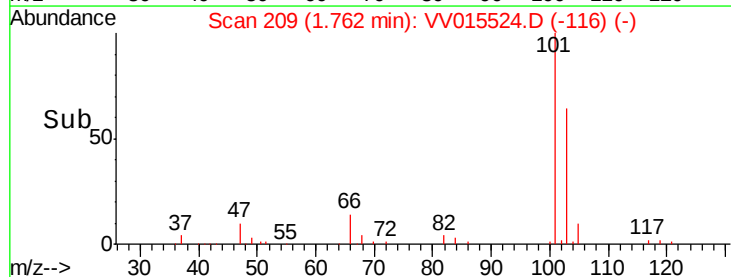
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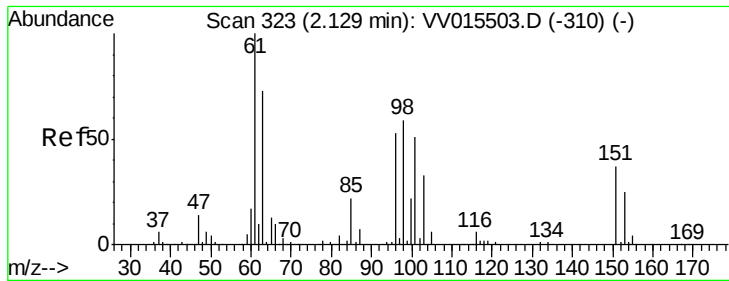
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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 5.288 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

ClientSampled :

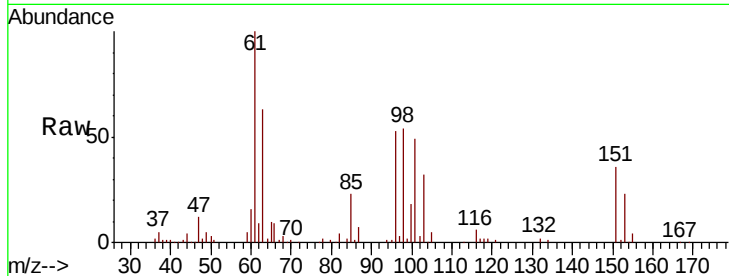
Tot Ion:101 Resp: 36763

Ion Ratio Lower Upper

101 100

85 44.7 36.3 54.5

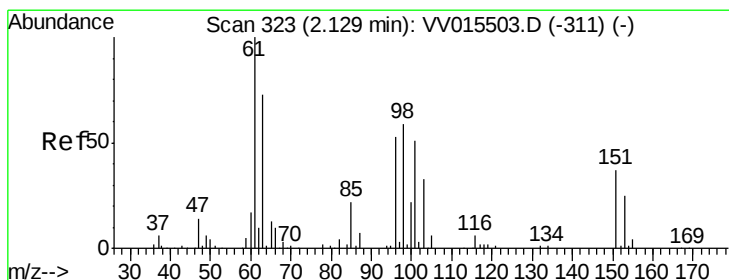
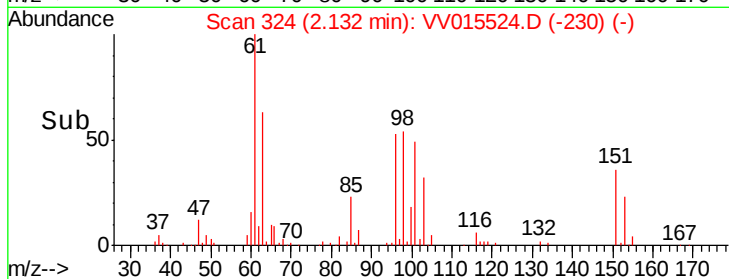
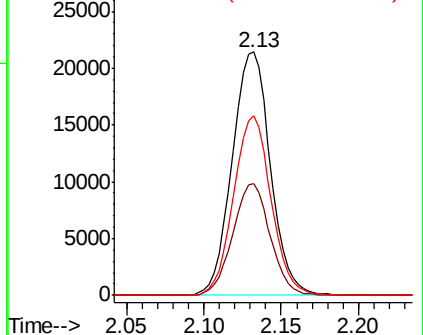
151 72.3 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.091 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

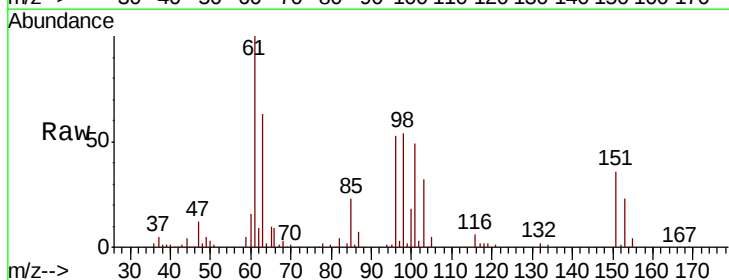
Tgt Ion: 96 Resp: 33873

Ion Ratio Lower Upper

96 100

61 187.2 127.7 237.1

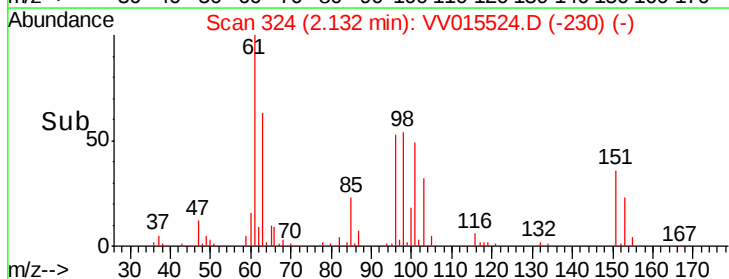
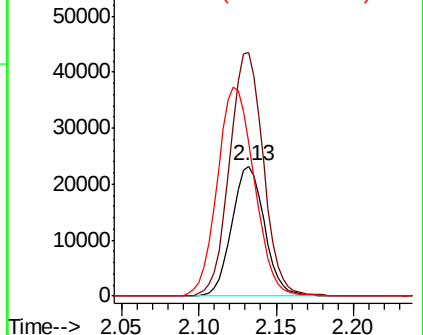
63 118.7 75.1 139.5

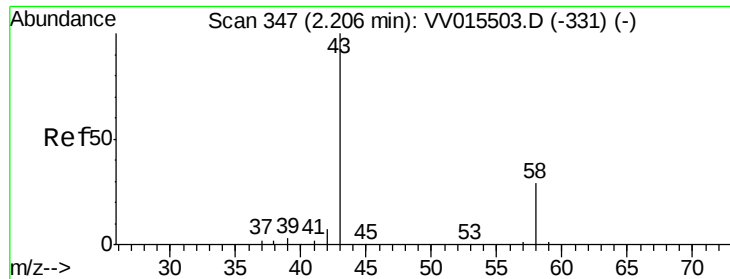


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 54.431 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

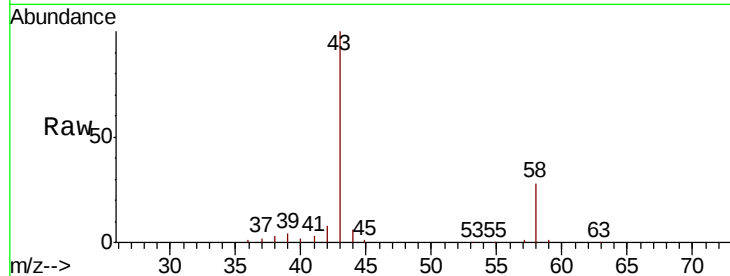
ClientSampled :

Tot Ion: 43 Resp: 59381

Ion Ratio Lower Upper

43 100

58 29.3 0.0 22.2#



Abundance Ion 43.05 (42.75 to 43.75): VV015503.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV015503.D (-331) (-)

2.19

30000

25000

20000

15000

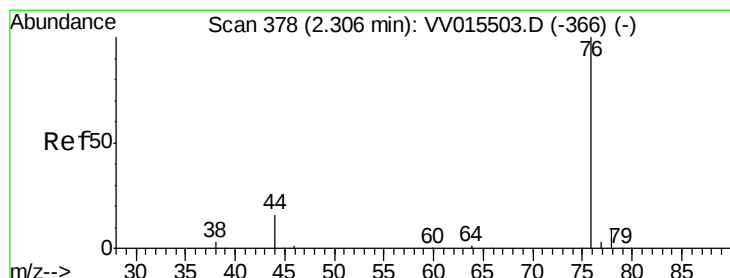
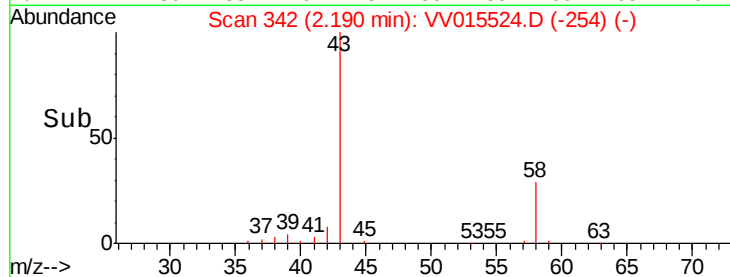
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5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 4.440 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV015524.D

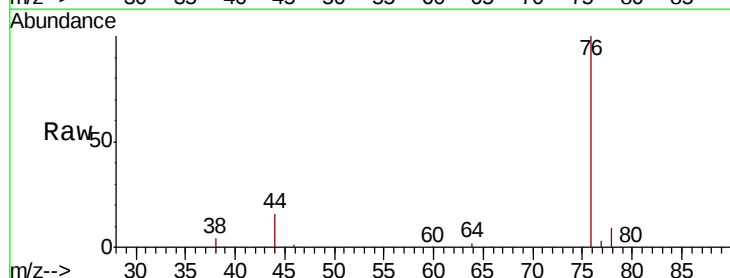
Acq: 15 Apr 2020 21:25

Tgt Ion: 76 Resp: 102972

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV015503.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV015503.D (-366) (-)

2.31

80000

60000

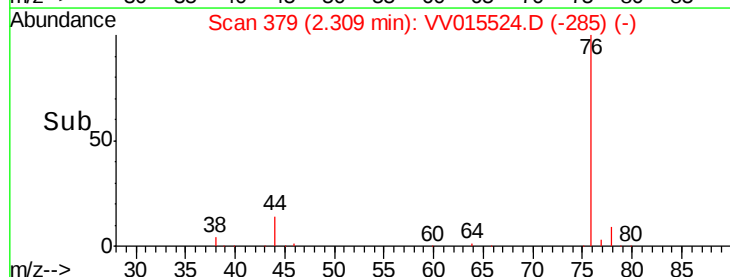
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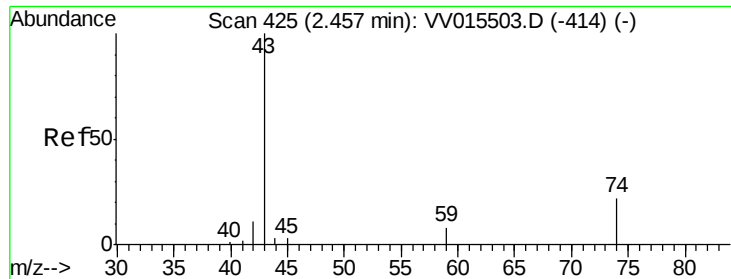
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Time-->

2.25 2.30 2.35 2.40

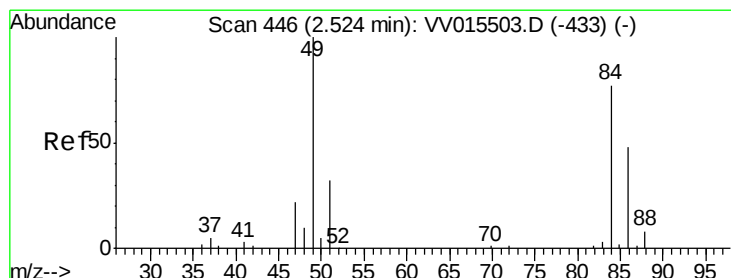
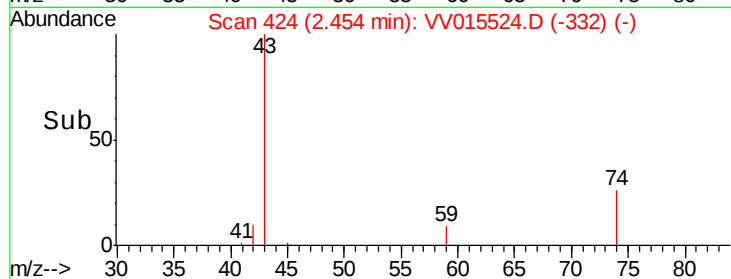
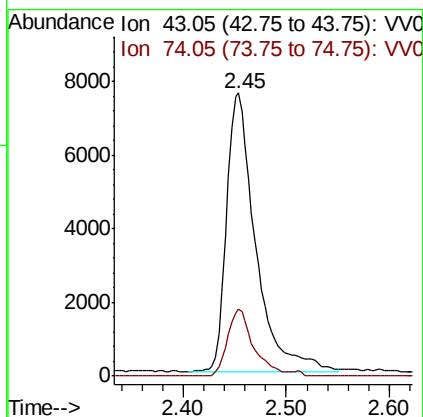
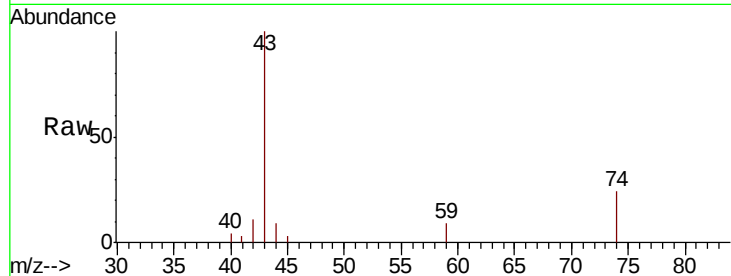




#15
Methvl Acetate
Concen: 4.644 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

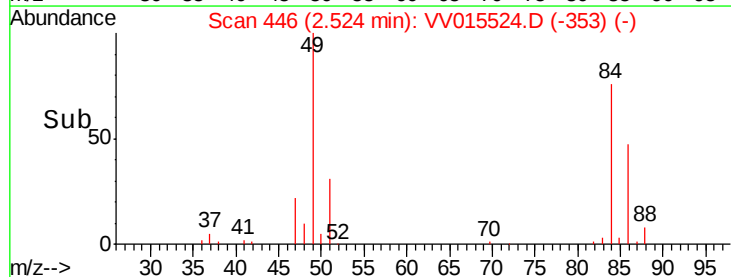
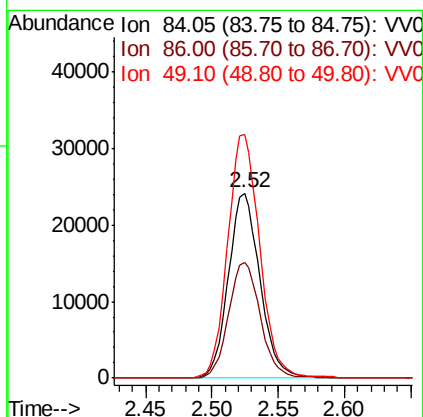
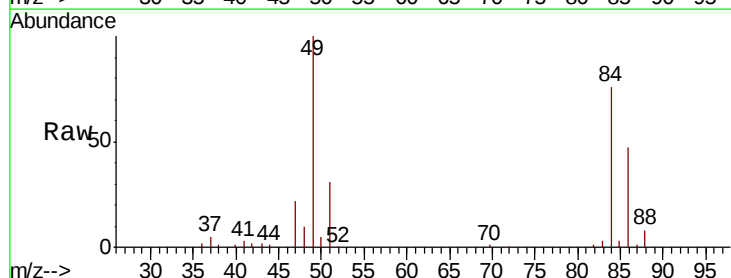
Instrument :
MSVOA_V
ClientSampleId :

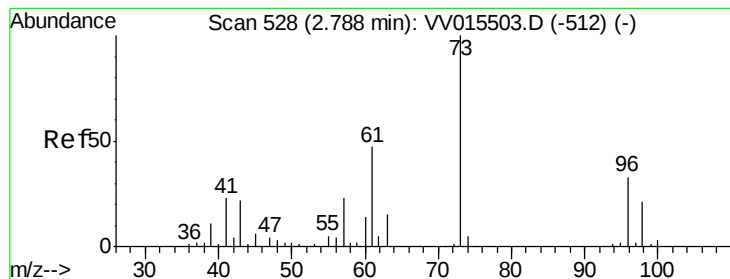
Tot Ion: 43 Resp: 14991
Ion Ratio Lower Upper
43 100
74 21.6 15.4 23.2



#16
Methylene chloride
Concen: 5.136 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Tgt Ion: 84 Resp: 40029
Ion Ratio Lower Upper
84 100
86 62.4 45.1 83.7
49 131.4 97.9 181.7



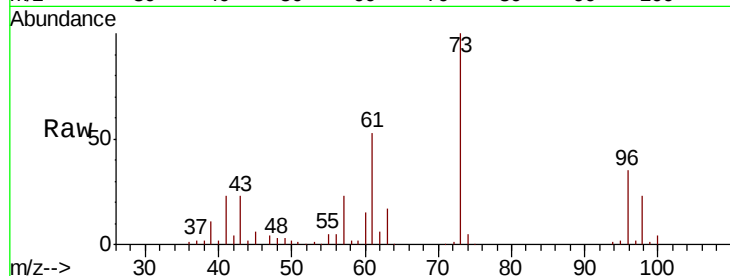


#17

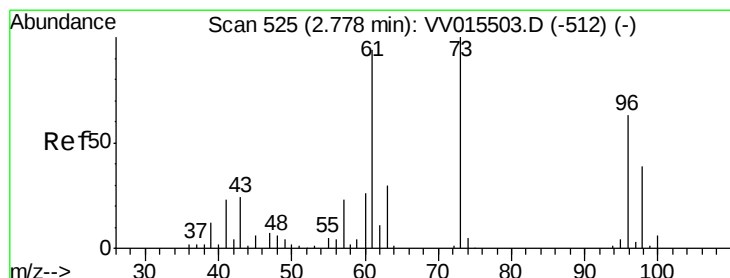
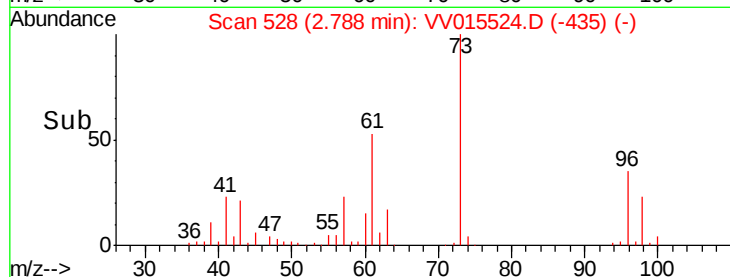
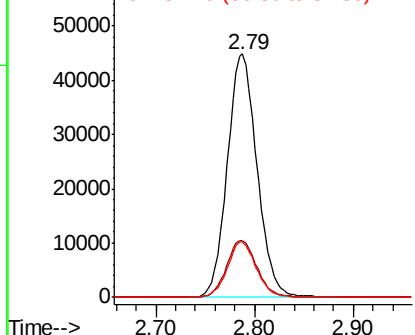
Methvl tert-butvl Ether
 Concen: 5.312 ug/L
 RT: 2.79 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 73 Resp: 94458
 Ion Ratio Lower Upper
 73 100
 43 24.0 18.3 27.5
 57 22.1 18.4 27.6



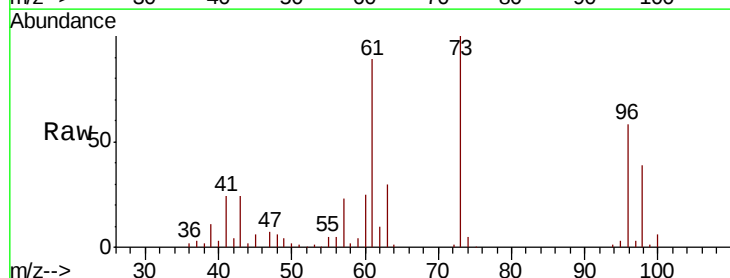
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



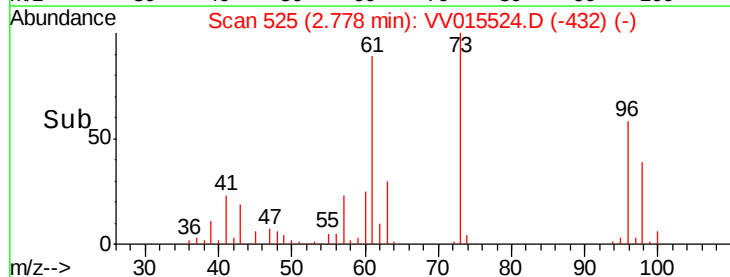
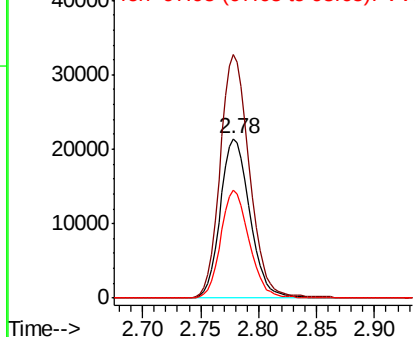
#18

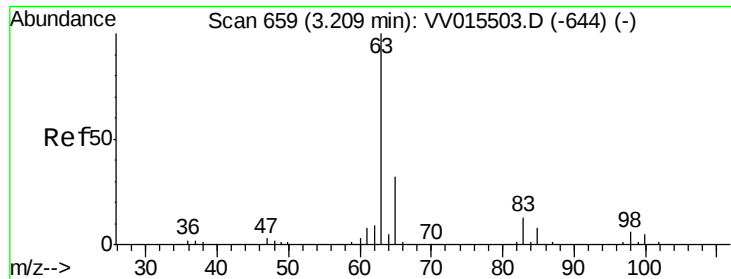
trans-1,2-Dichloroethene
 Concen: 5.055 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion: 96 Resp: 37898
 Ion Ratio Lower Upper
 96 100
 61 152.9 104.4 194.0
 98 67.8 42.8 79.4



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

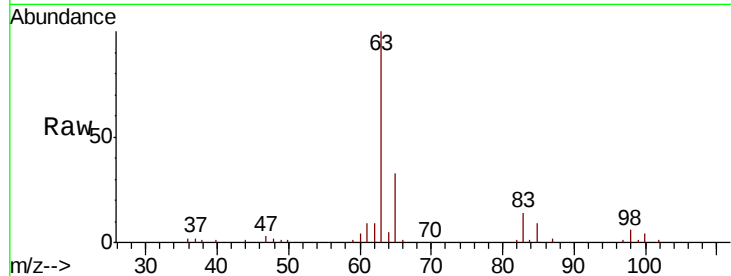




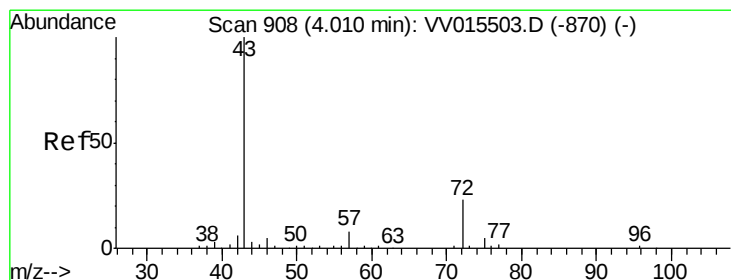
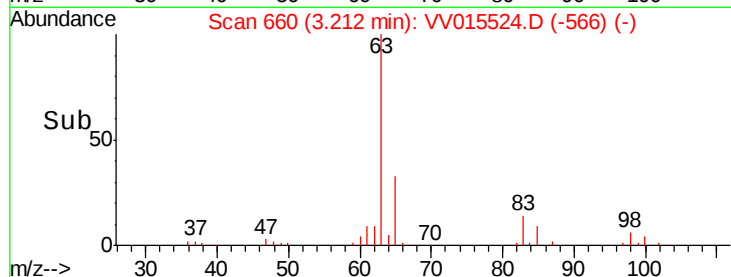
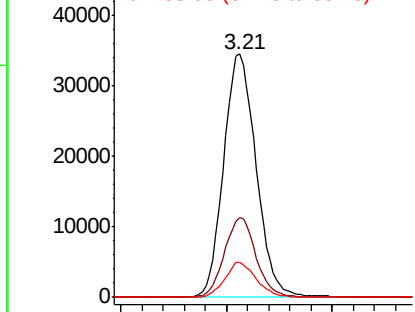
#19
 1,1-Dichloroethane
 Concen: 5.233 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 63 Resp: 73950
 Ion Ratio Lower Upper
 63 100
 65 32.7 21.3 39.6
 83 14.4 9.4 17.6

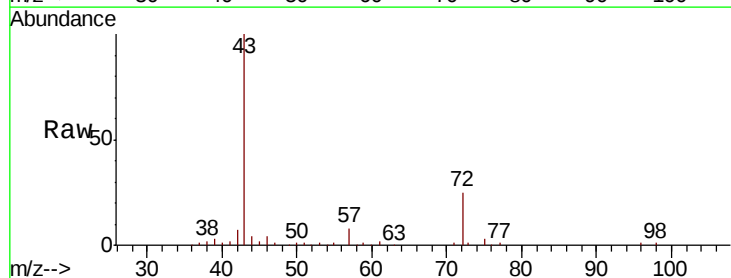


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

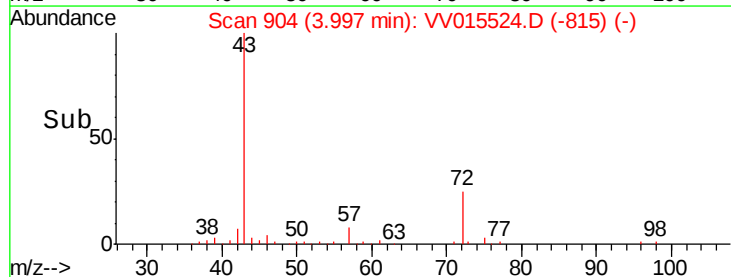
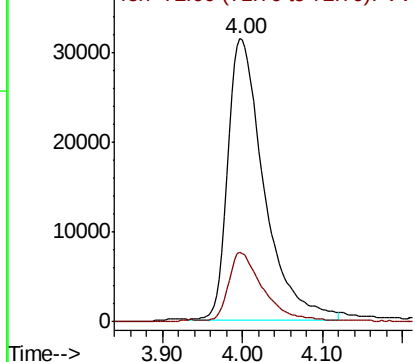


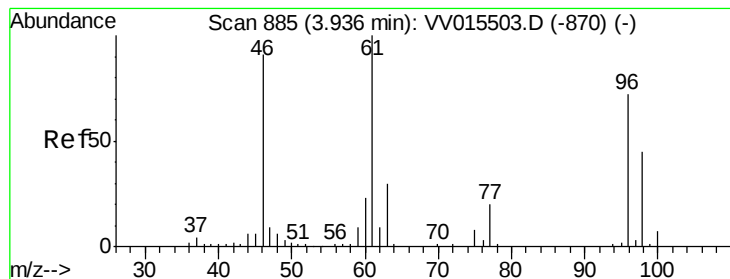
#21
 2-Butanone
 Concen: 54.568 ug/L
 RT: 4.00 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion: 43 Resp: 96200
 Ion Ratio Lower Upper
 43 100
 72 23.3 5.9 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



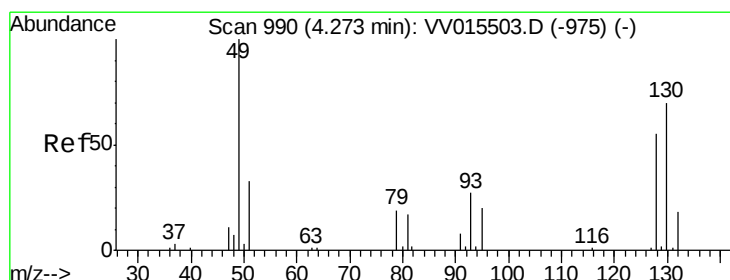
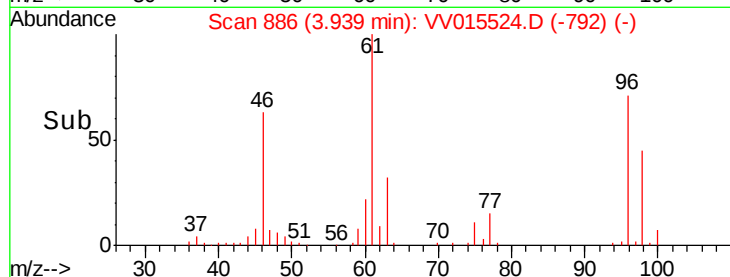
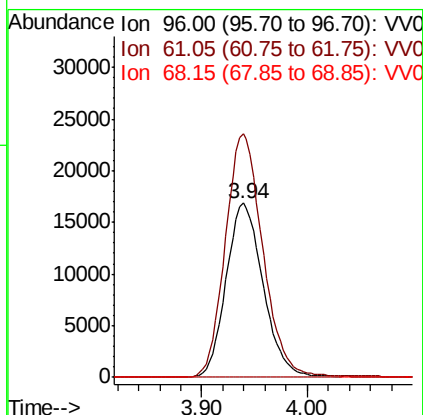
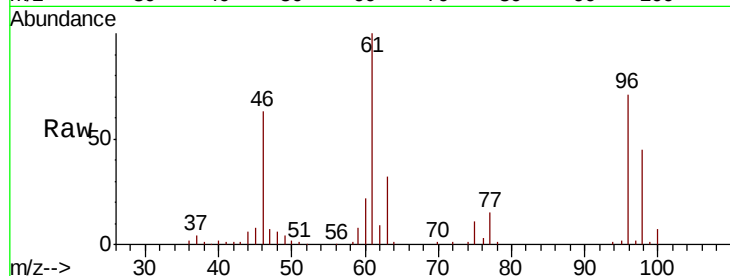


#22

cis-1,2-Dichloroethene
Concen: 5.265 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Instrument :
MSVOA_V
ClientSampled :

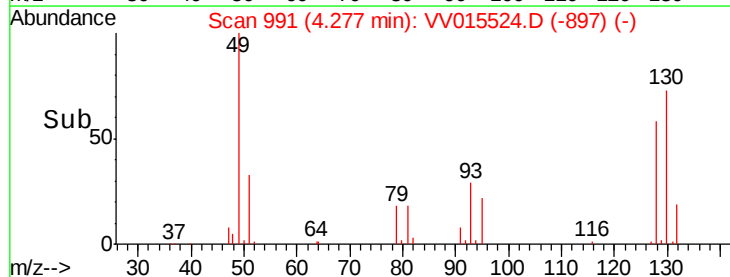
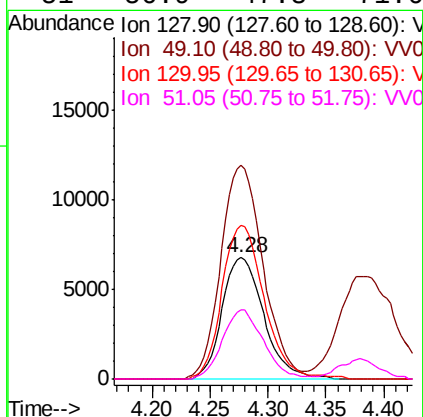
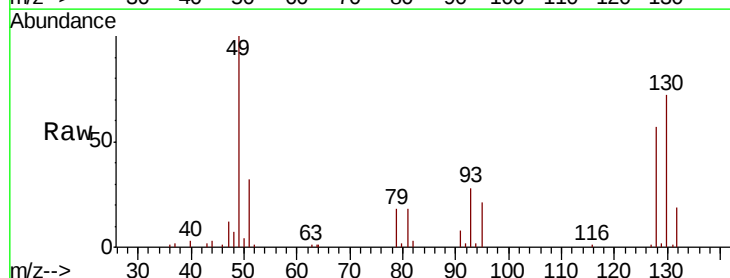
Tot Ion	Ratio	Lower	Upper
96	100		
61	140.0	100.0	185.8
68	0.0	0.0	0.0

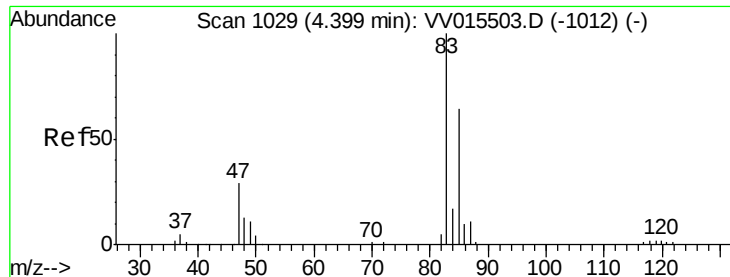


#23

Bromochloromethane
Concen: 5.230 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.7	128.8	239.2
130	126.0	93.5	173.7
51	56.9	47.8	71.6

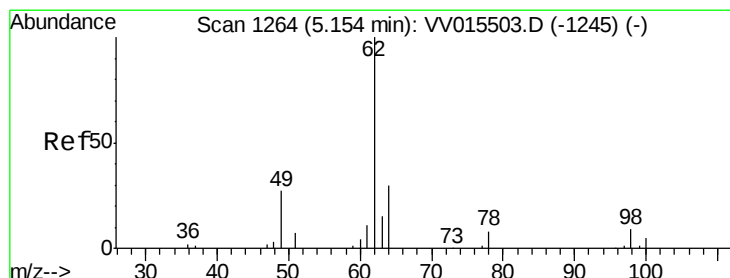
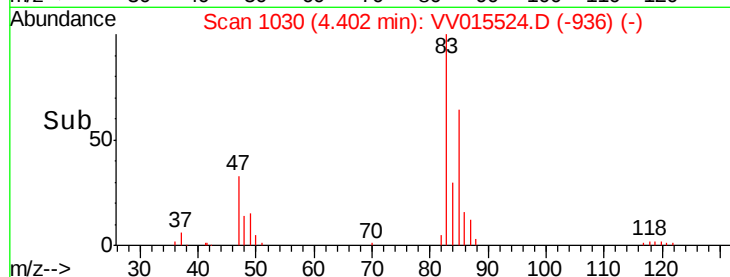
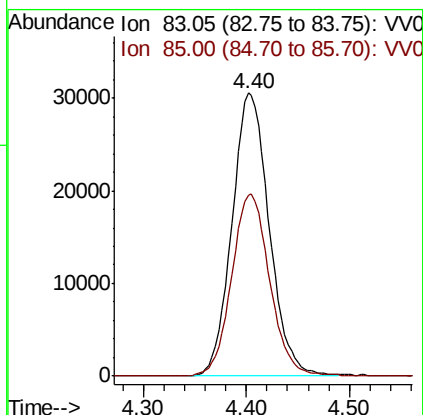
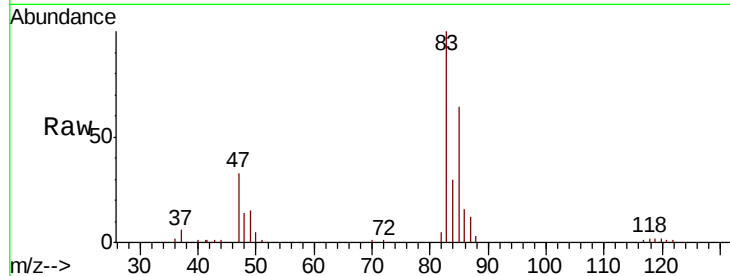




#25
 Chloroform
 Concen: 5.301 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

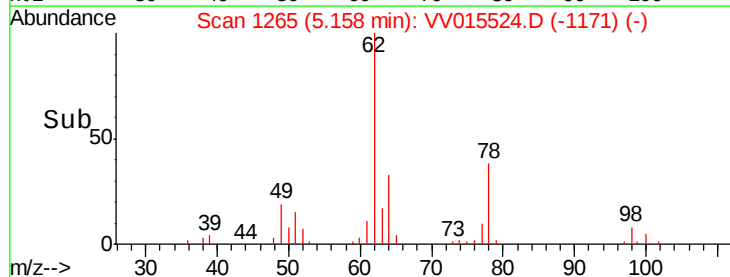
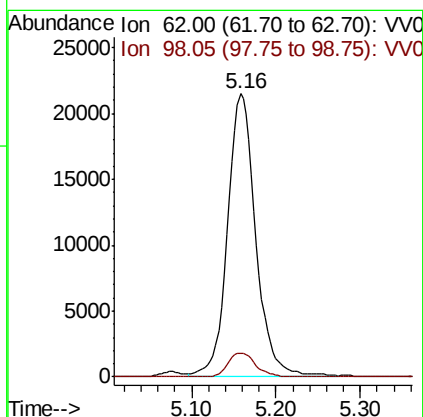
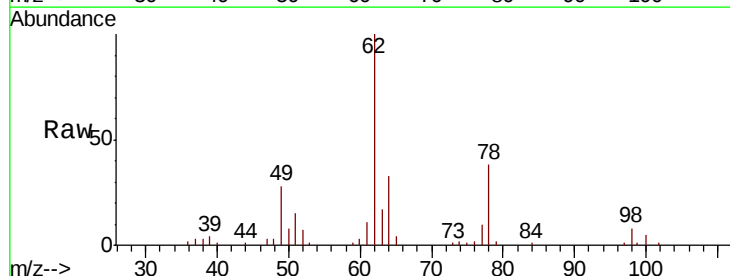
Instrument :
 MSVOA_V
 ClientSampleId :

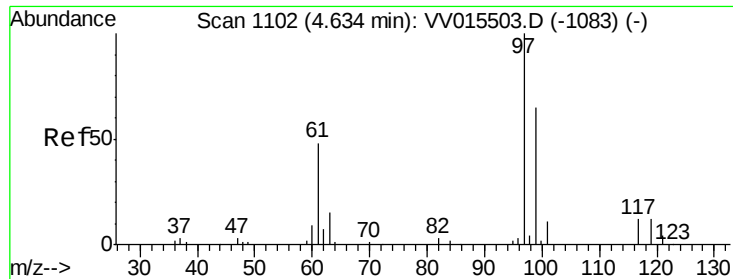
Tot Ion: 83 Resp: 76672
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.9 85.3



#27
 1,2-Dichloroethane
 Concen: 5.371 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion: 62 Resp: 50228
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.6 10.0

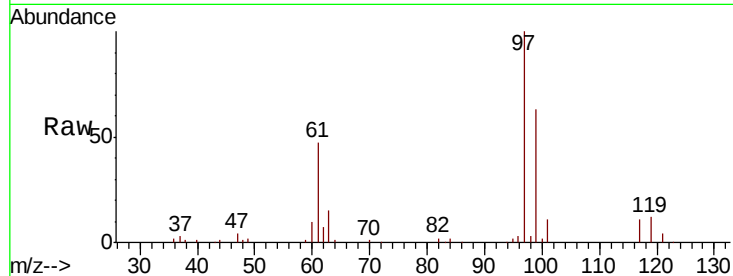




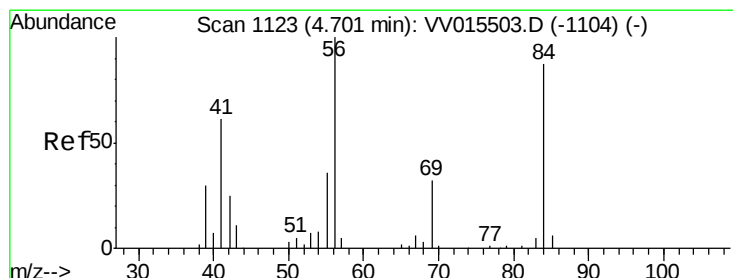
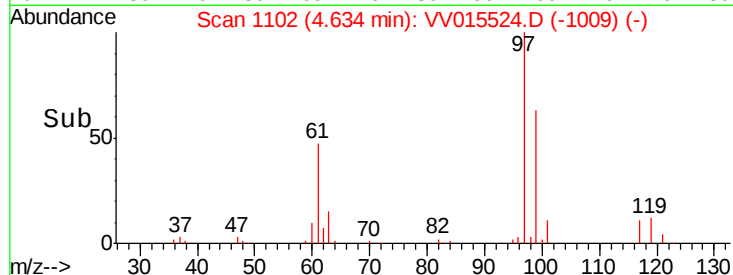
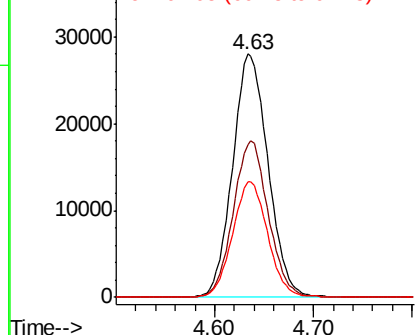
#29
1,1,1-Trichloroethane
Concen: 5.386 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 70050
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 47.2 39.0 58.6

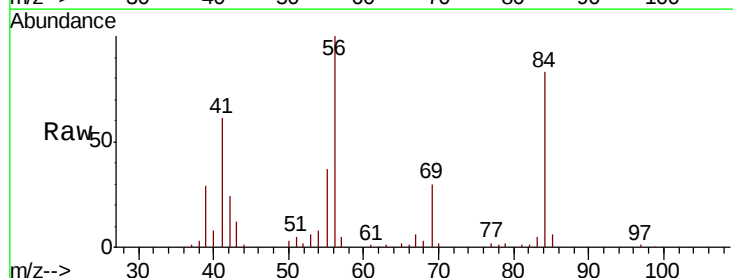


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0

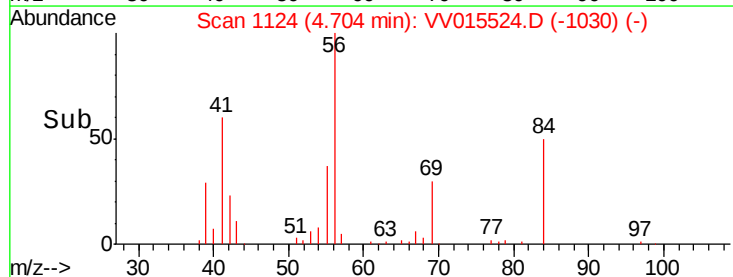
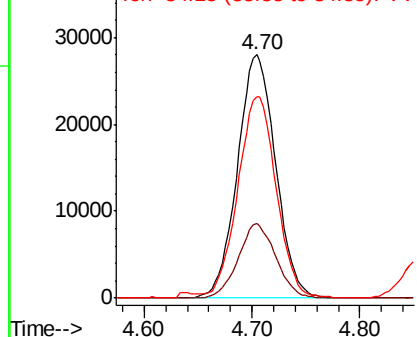


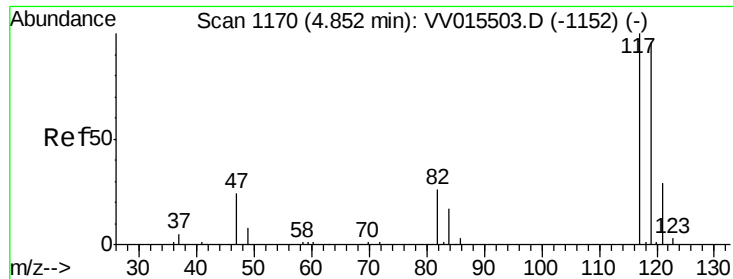
#30
Cyclohexane
Concen: 5.003 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Tgt Ion: 56 Resp: 69083
Ion Ratio Lower Upper
56 100
69 29.9 24.2 36.4
84 83.4 68.4 102.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.309 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

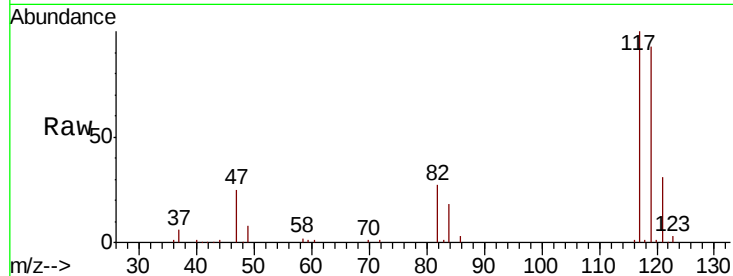
ClientSampled :

Tot Ion:117 Resp: 60098

Ion Ratio Lower Upper

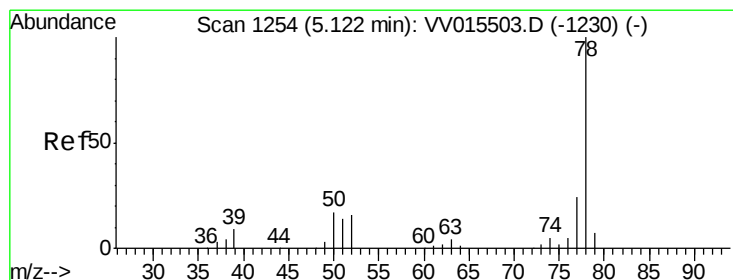
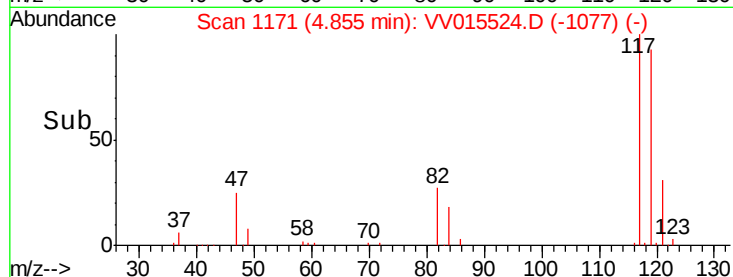
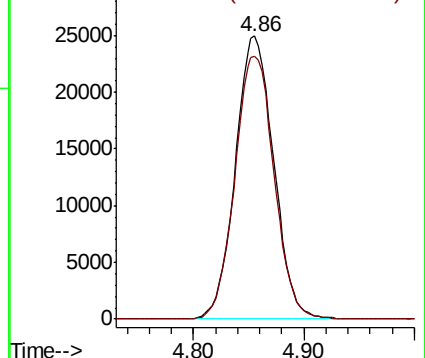
117 100

119 95.1 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.278 ug/L

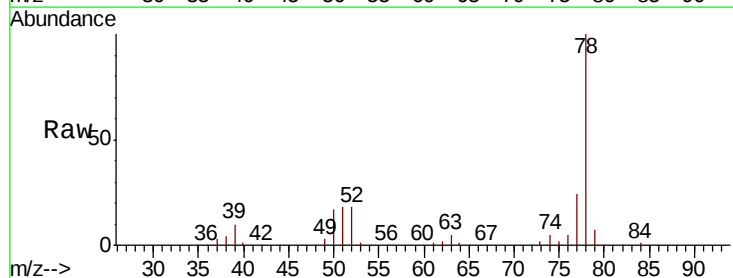
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

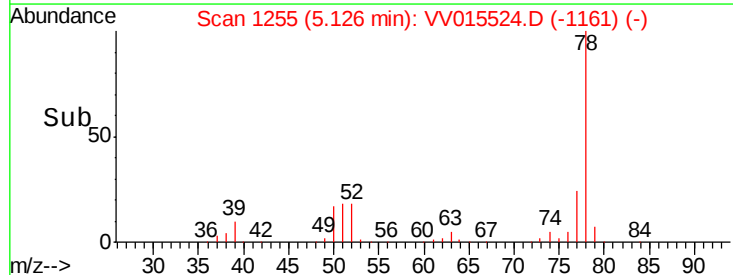
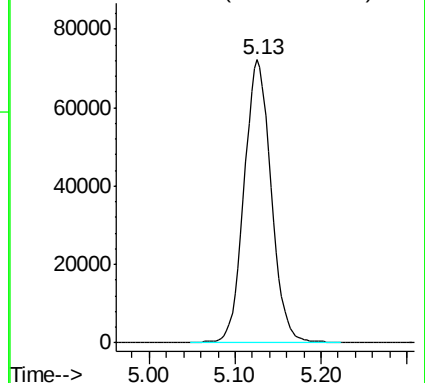
Lab File: VV015524.D

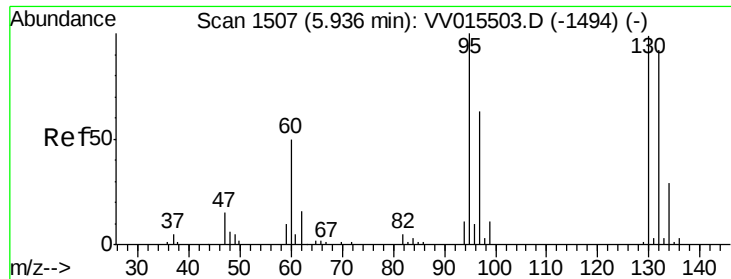
Acq: 15 Apr 2020 21:25

Tgt Ion: 78 Resp: 158336



Abundance Ion 78.10 (77.80 to 78.80): VV0

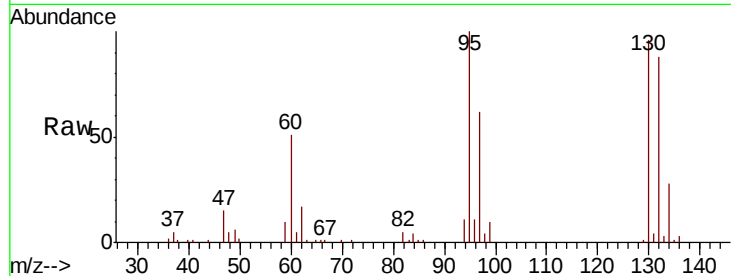




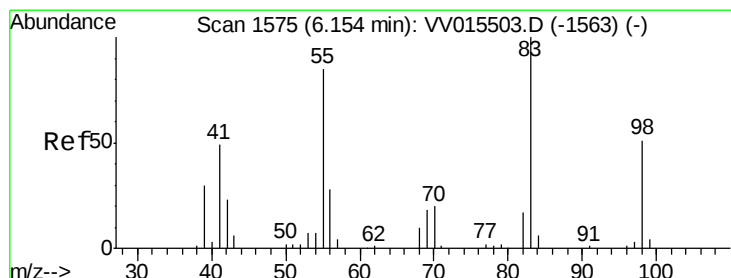
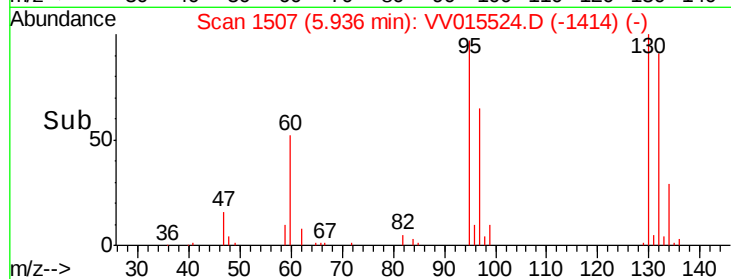
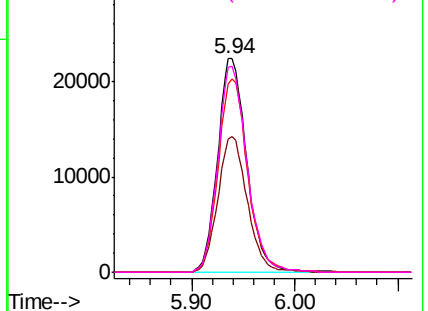
#34
 Trichloroethene
 Concen: 5.457 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 44065
 Ion Ratio Lower Upper
 95 100
 97 62.2 45.4 84.4
 132 88.0 64.8 120.4
 130 96.2 67.4 125.2

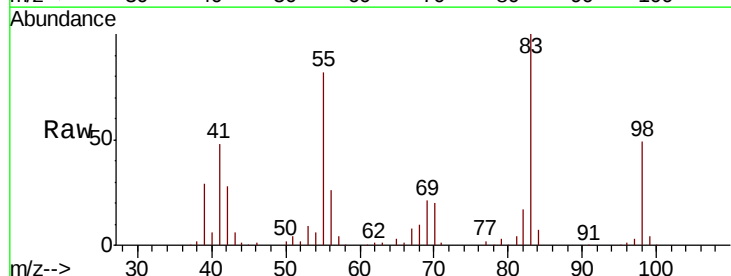


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

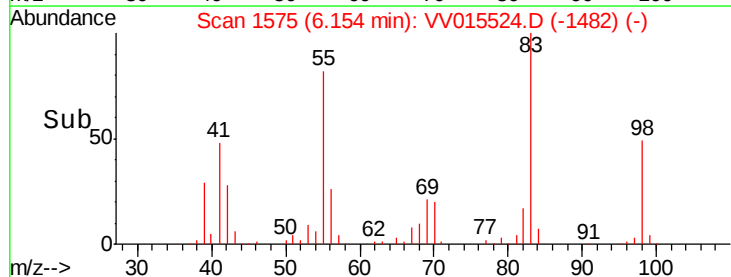
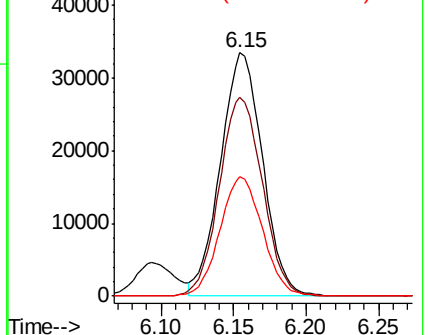


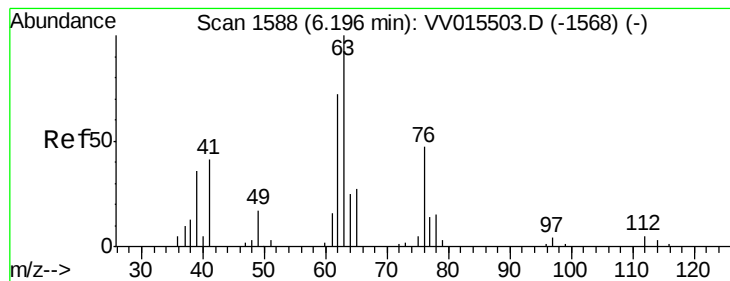
#35
 Methylcyclohexane
 Concen: 4.966 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion: 83 Resp: 67560
 Ion Ratio Lower Upper
 83 100
 55 83.6 66.6 99.8
 98 49.8 38.7 58.1



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: 5.452 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

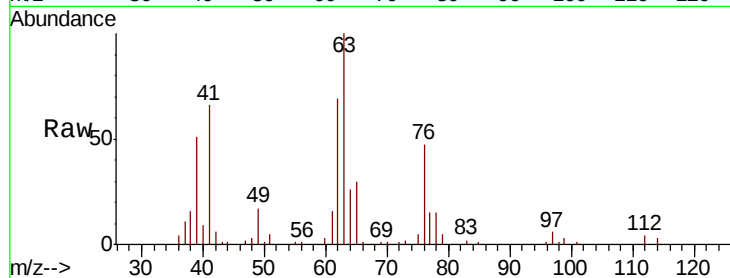
ClientSampled :

Tot Ion: 63 Resp: 40564

Ion Ratio Lower Upper

63 100

112 4.1 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VV015503.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV015503.D (-1568) (-)

6.20

20000

15000

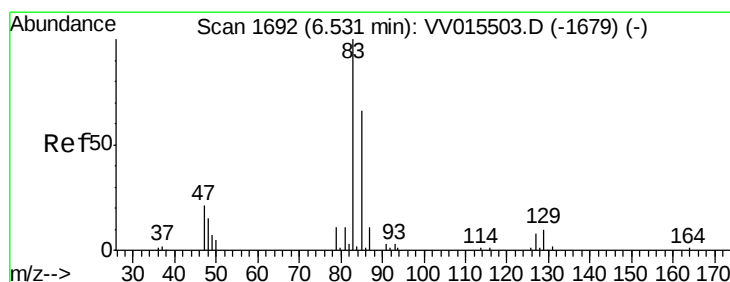
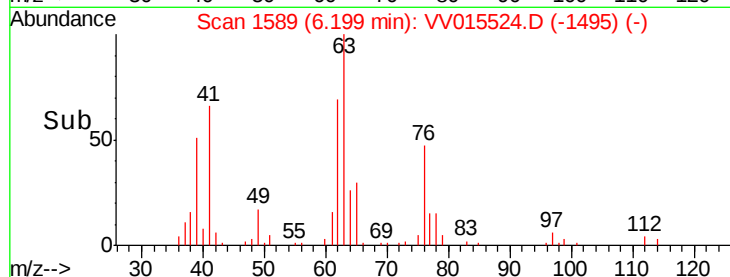
10000

5000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 5.202 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

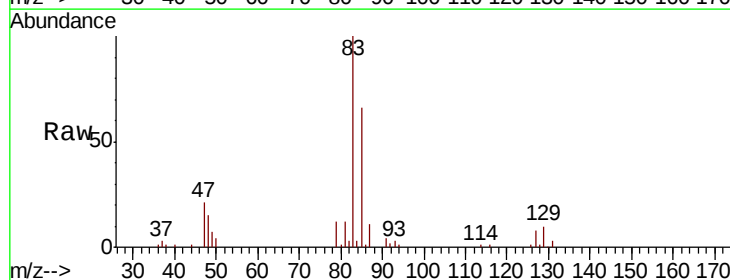
Tgt Ion: 83 Resp: 51616

Ion Ratio Lower Upper

83 100

85 66.0 42.6 79.2

127 7.6 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV015503.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015503.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015503.D (-1679) (-)

6.53

30000

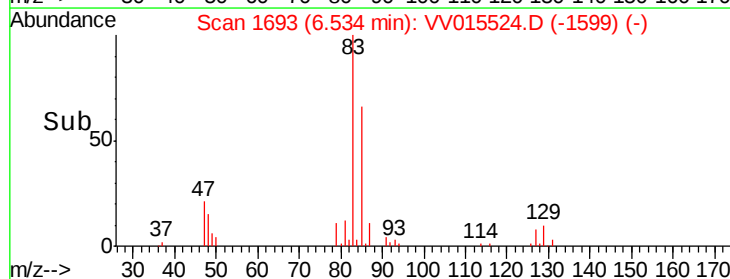
20000

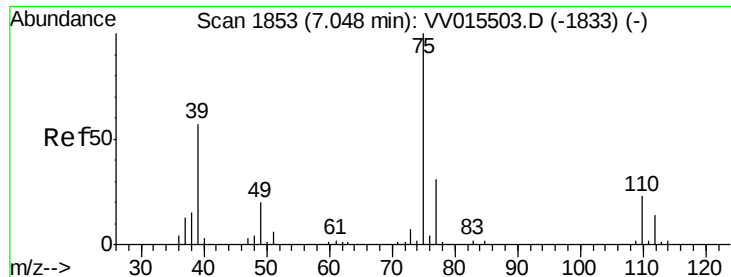
10000

0

6.50 6.60

Time-->

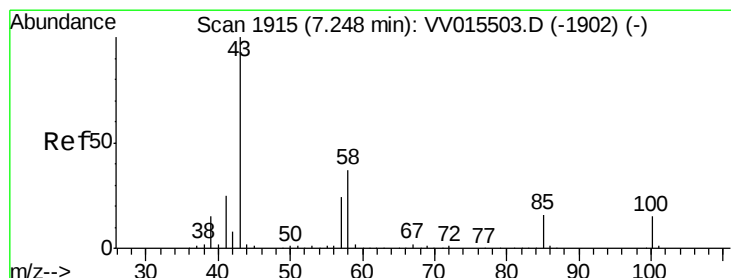
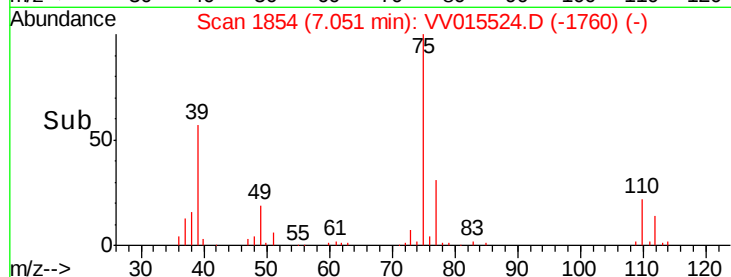
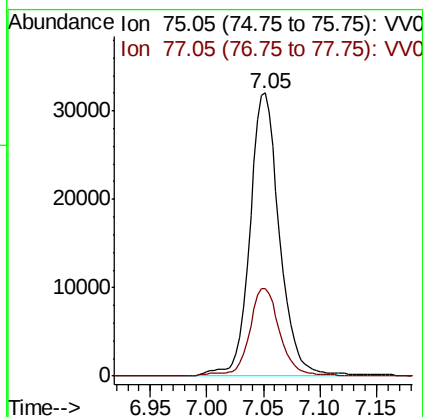
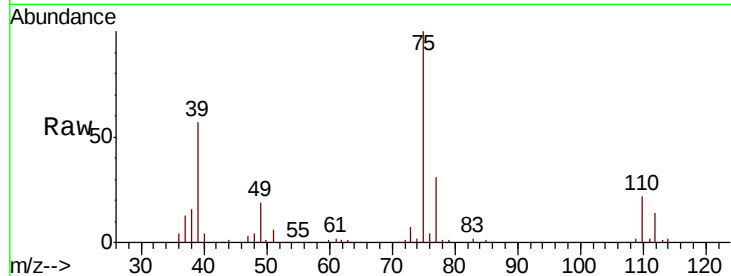




#39
 cis-1,3-Dichloropropene
 Concen: 5.106 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

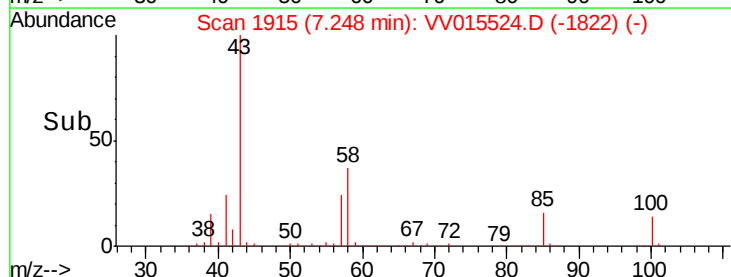
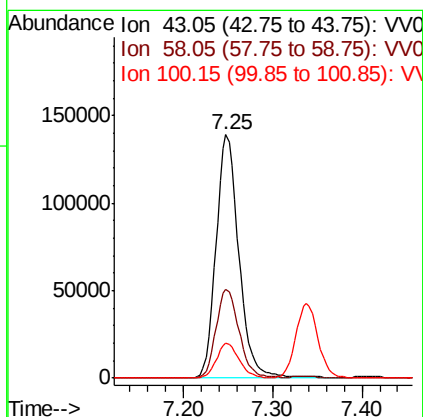
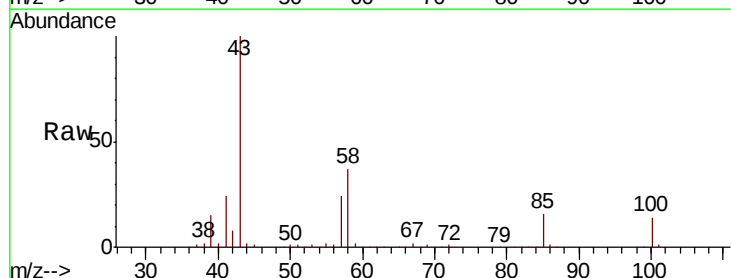
Instrument :
 MSVOA_V
 ClientSampleId :

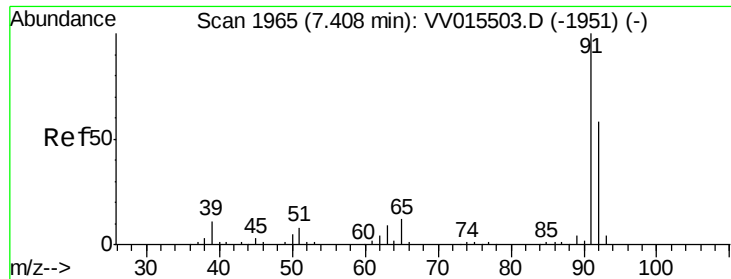
Tot Ion: 75 Resp: 58301
 Ion Ratio Lower Upper
 75 100
 77 30.9 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 50.689 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion: 43 Resp: 247665
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.0 43.6
 100 14.1 11.0 16.6





#42

Toluene

Concen: 5.231 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

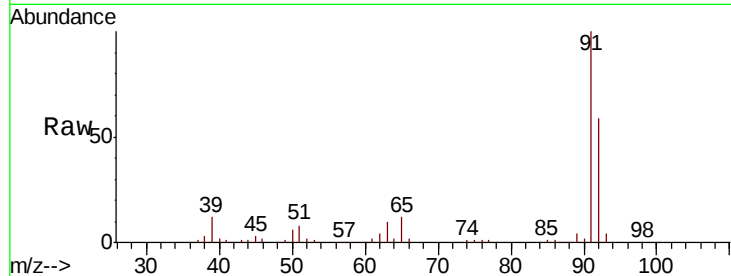
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 170378

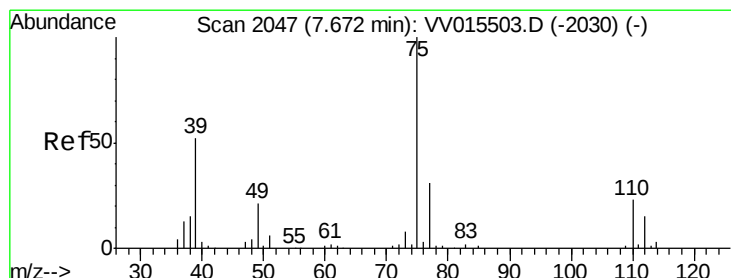
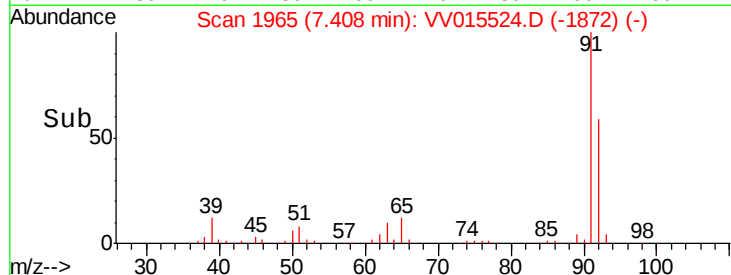
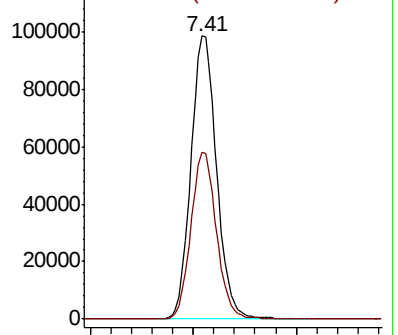
Ion Ratio Lower Upper

91 100

92 58.9 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV0
Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.079 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV015524.D

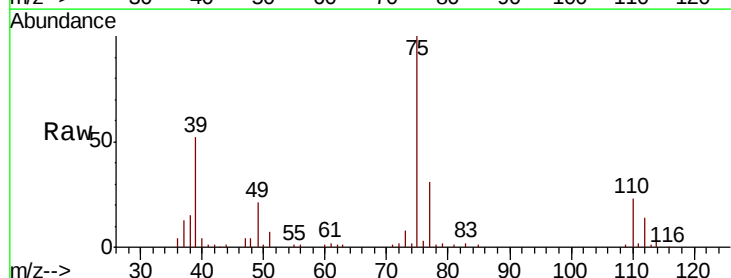
Acq: 15 Apr 2020 21:25

Tgt Ion: 75 Resp: 49045

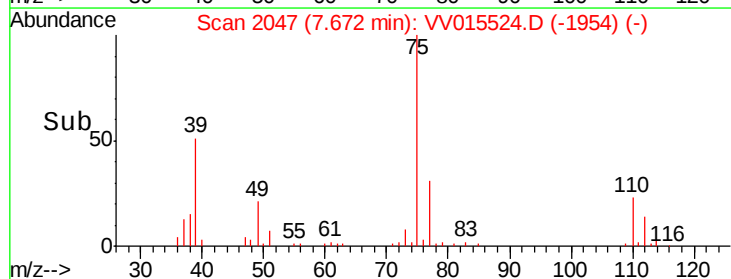
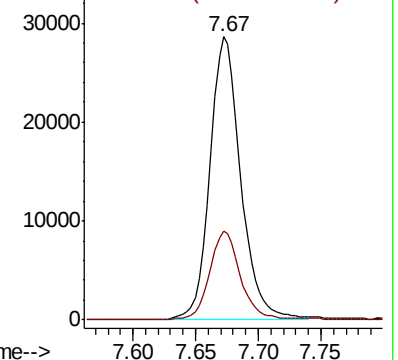
Ion Ratio Lower Upper

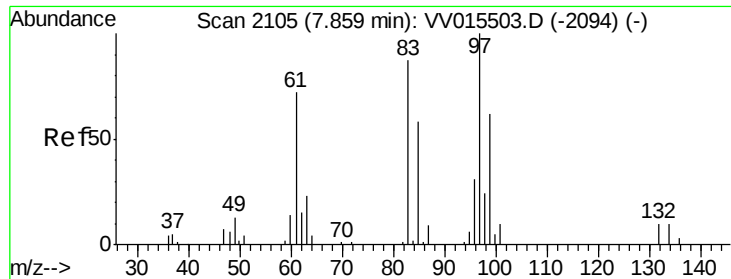
75 100

77 31.3 21.0 39.0



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

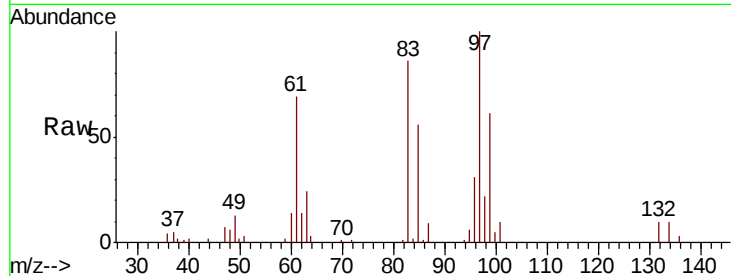




#45
 1,1,2-Trichloroethane
 Concen: 5.395 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	26983
Ion	Ratio	Lower	Upper
97	100		
99	61.2	41.3	76.7
83	86.3	60.5	112.3
85	56.3	36.8	68.4



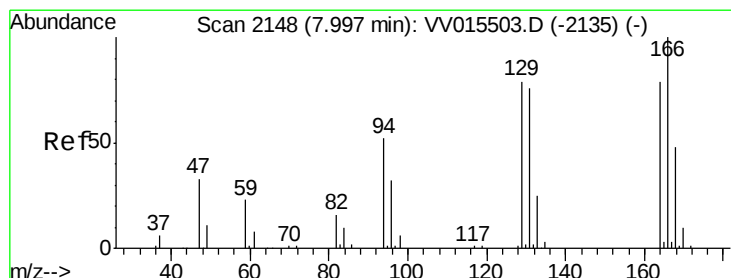
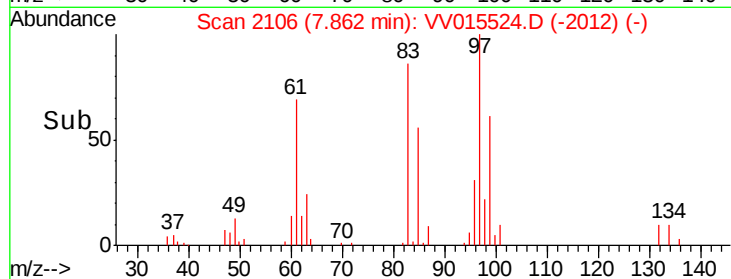
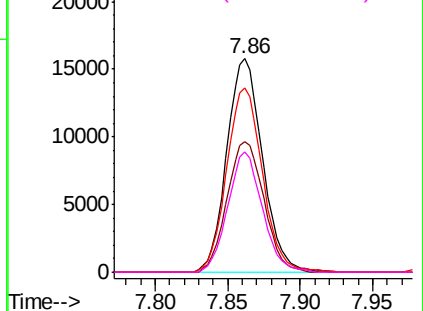
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

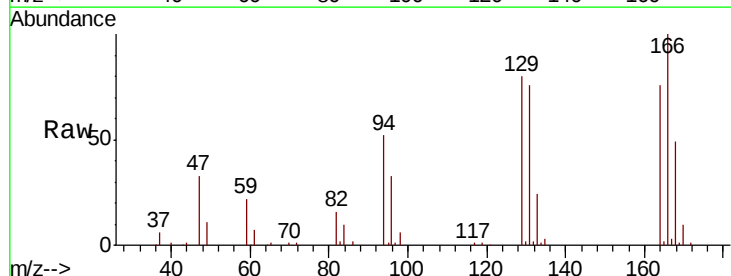
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.263 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion:	164	Resp:	31489
Ion	Ratio	Lower	Upper
164	100		
129	104.8	70.6	131.0
131	99.2	68.3	126.8
166	131.2	88.3	163.9



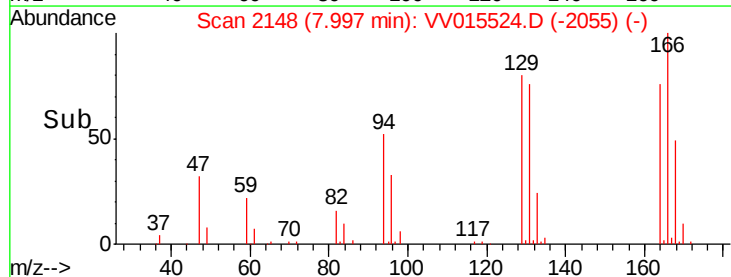
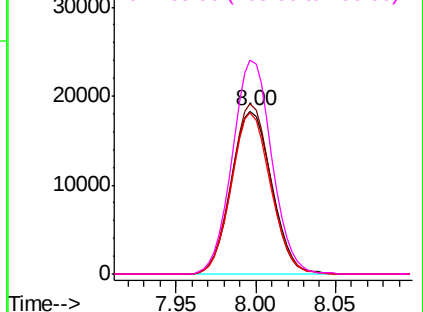
Abundance

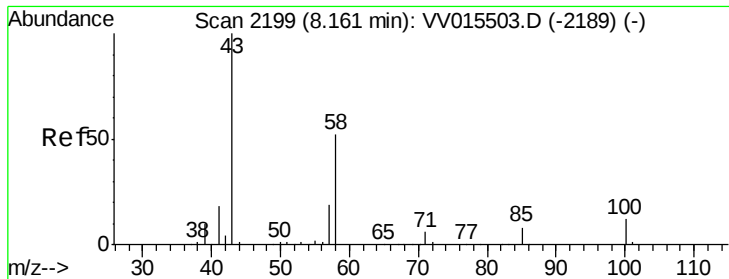
Ion 163.90 (163.60 to 164.60): V

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: 51.206 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 174809

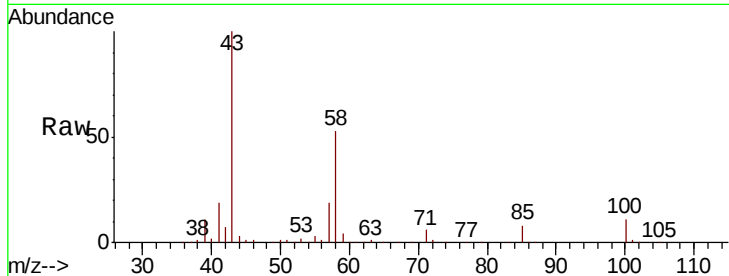
Ion Ratio Lower Upper

43 100

58 50.7 41.4 62.0

57 17.9 15.0 22.4

100 11.5 9.4 14.2

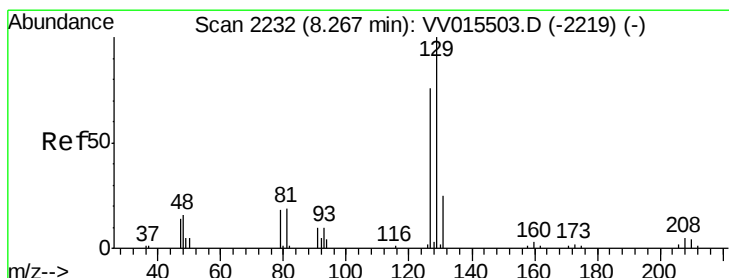
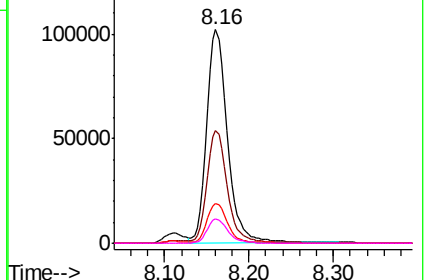
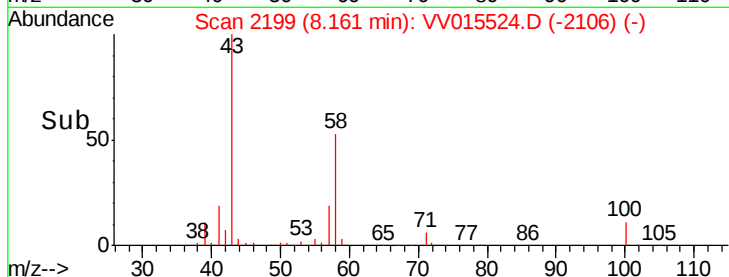


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#49

Dibromochloromethane

Concen: 5.209 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV015524.D

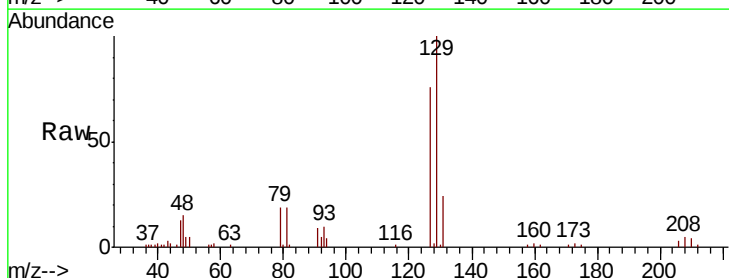
Acq: 15 Apr 2020 21:25

Tgt Ion: 129 Resp: 31212

Ion Ratio Lower Upper

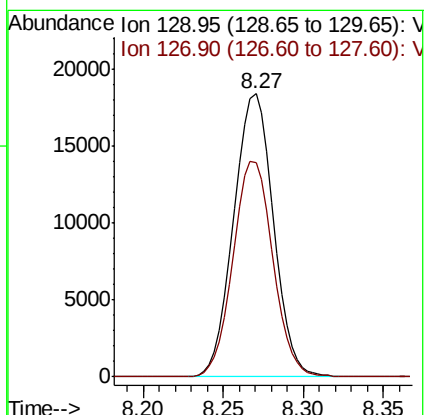
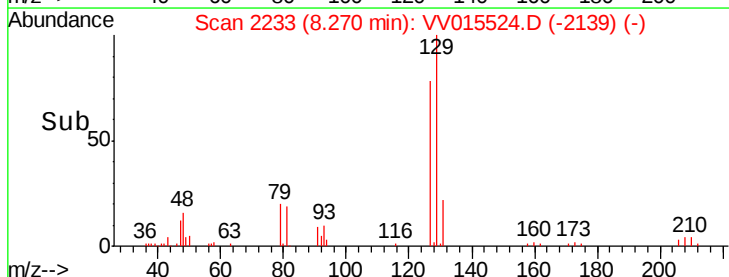
129 100

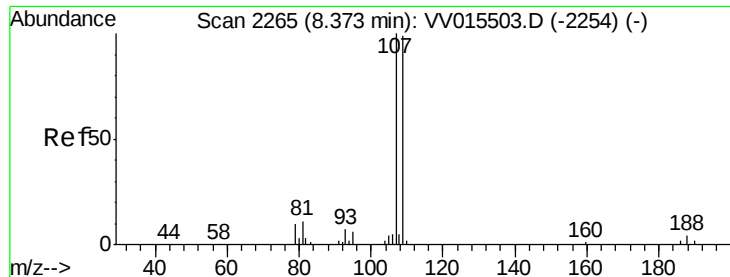
127 75.9 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

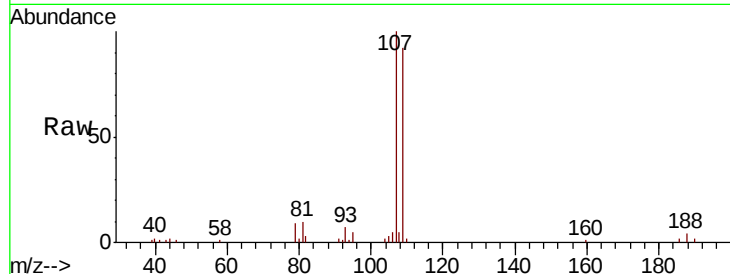




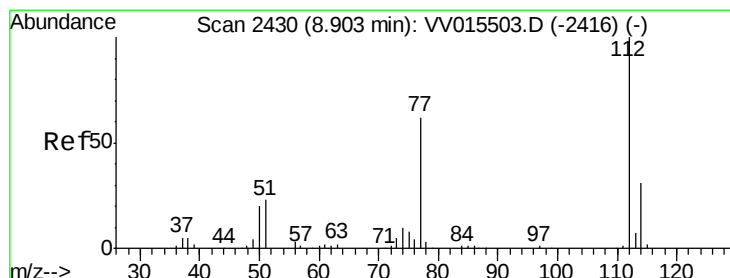
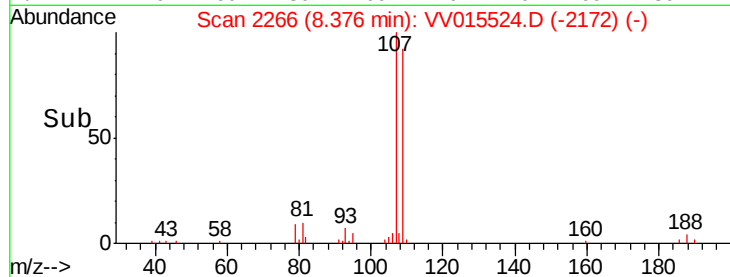
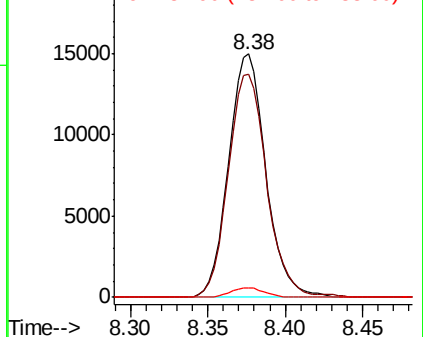
#50
1,2-Dibromoethane
Concen: 5.207 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 24960
Ion Ratio Lower Upper
107 100
109 91.7 66.7 123.9
188 3.9 2.9 4.3

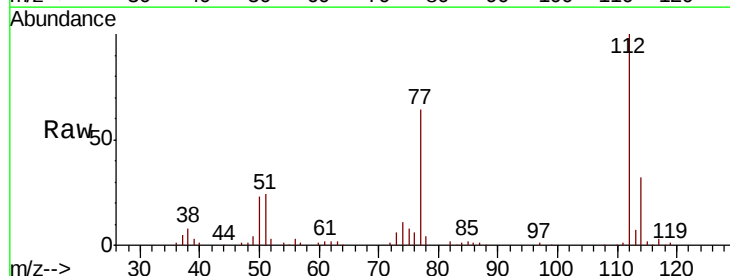


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

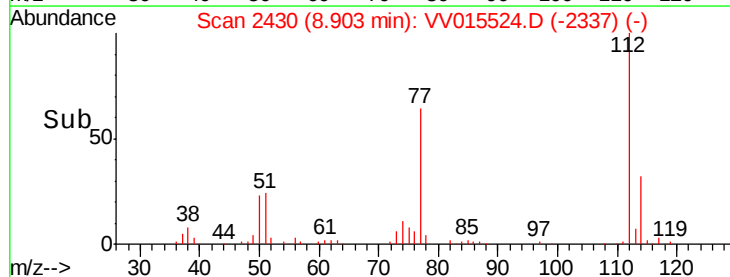
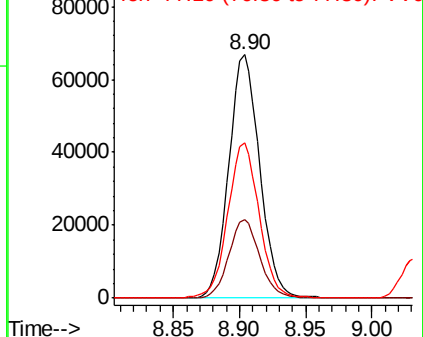


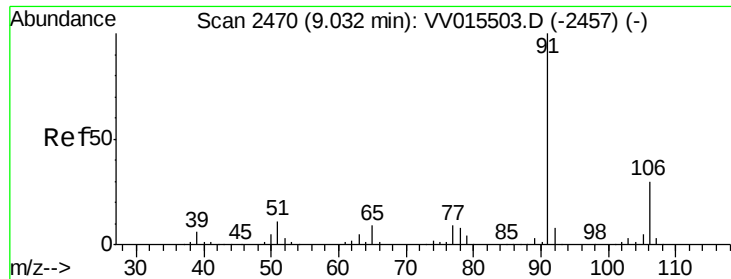
#51
Chlorobenzene
Concen: 5.220 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Tgt Ion:112 Resp: 108379
Ion Ratio Lower Upper
112 100
114 32.4 22.9 42.5
77 63.7 49.8 74.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.194 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

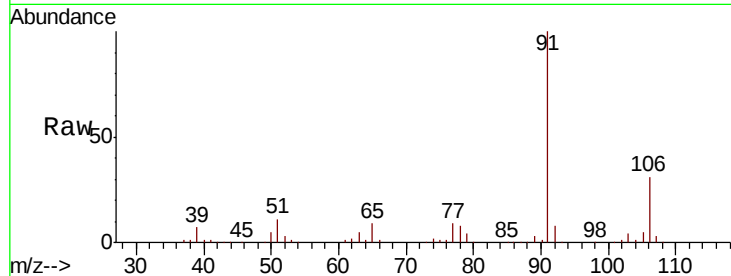
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 194763

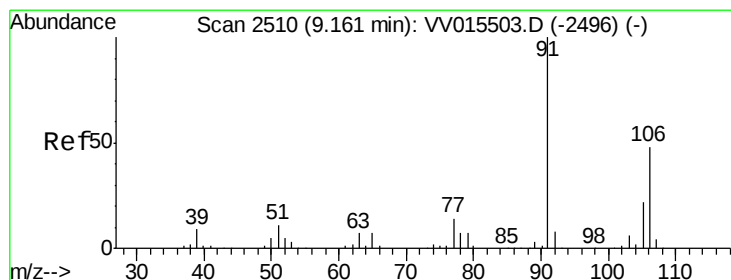
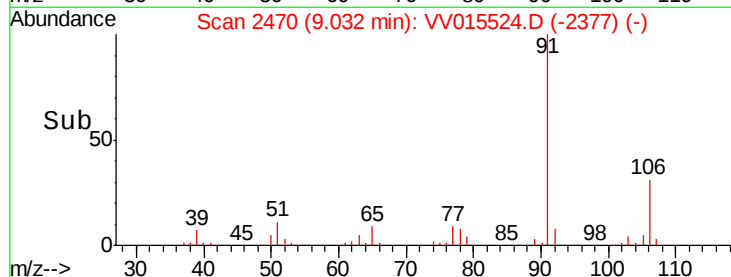
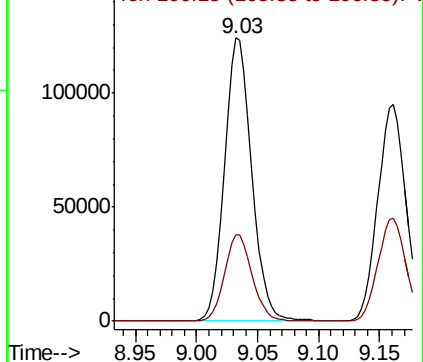
Ion Ratio Lower Upper

91 100

106 30.7 20.8 38.6



Abundance Ion 91.15 (90.85 to 91.85): VV015524.D (-2377) (-)



#53

m,p-xylene

Concen: 5.135 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015524.D

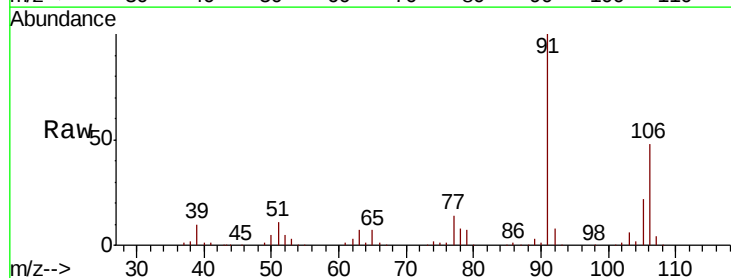
Acq: 15 Apr 2020 21:25

Tgt Ion: 106 Resp: 72706

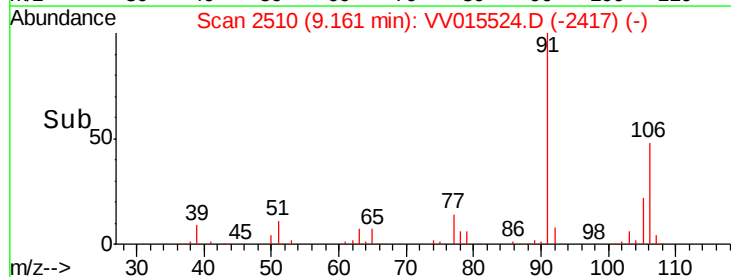
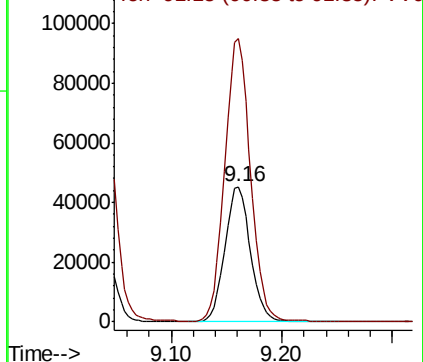
Ion Ratio Lower Upper

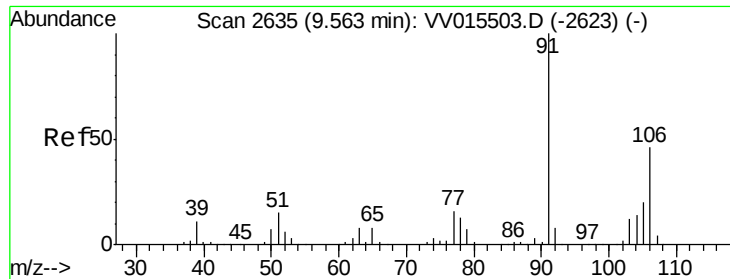
106 100

91 209.7 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015524.D (-2417) (-)

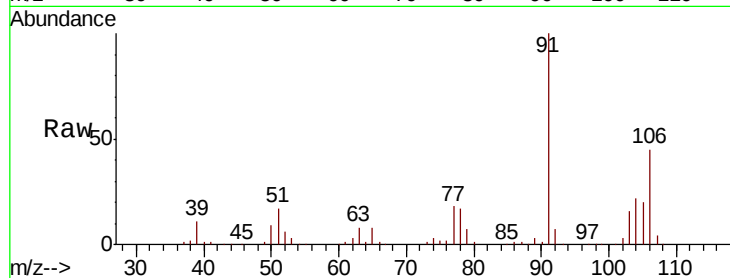




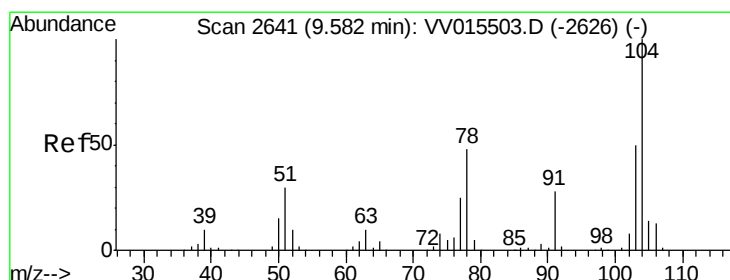
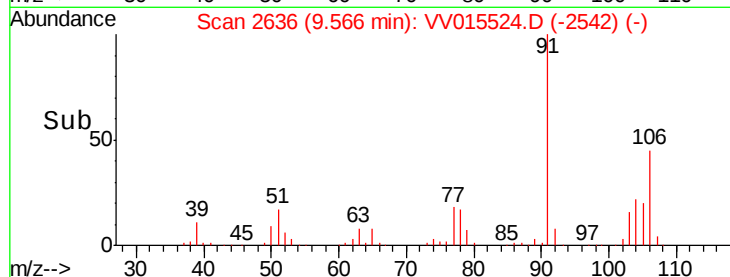
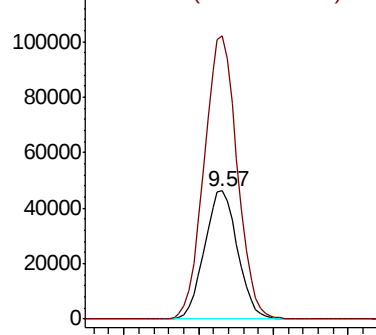
#54
o-xylene
Concen: 5.202 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 71295
Ion Ratio Lower Upper
106 100
91 220.8 154.5 286.9

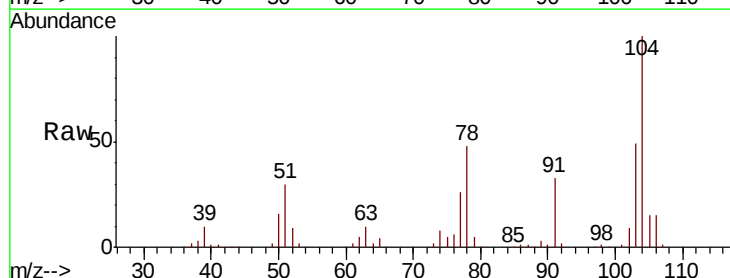


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

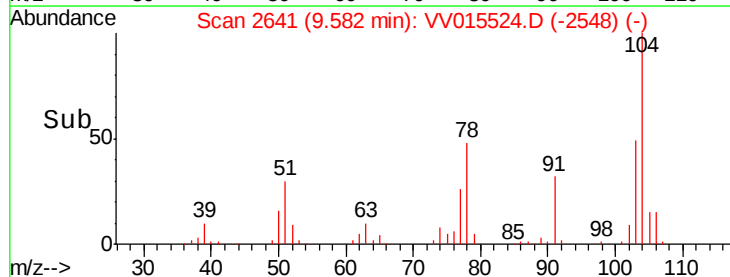
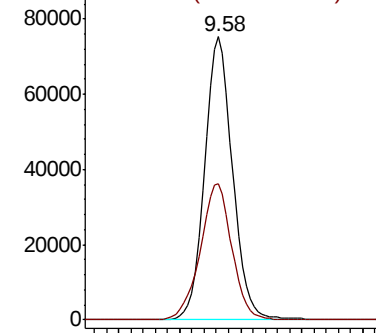


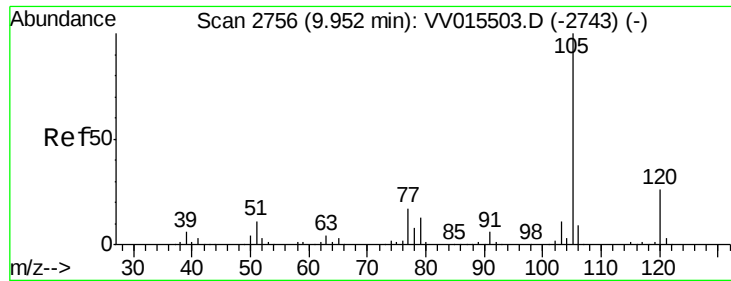
#55
Styrene
Concen: 5.192 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV015524.D
Acq: 15 Apr 2020 21:25

Tgt Ion:104 Resp: 119599
Ion Ratio Lower Upper
104 100
78 48.0 33.5 62.3



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





#56

Isopropylbenzene

Concen: 5.174 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

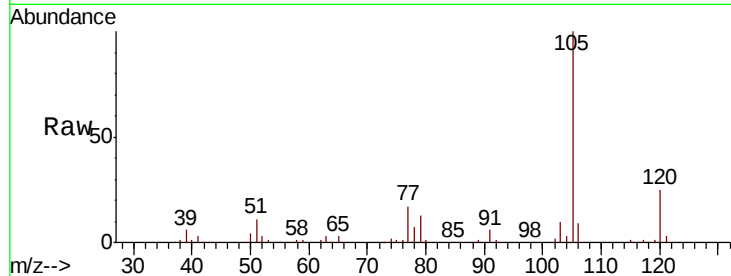
Tot Ion:105 Resp: 194416

Ion Ratio Lower Upper

105 100

120 25.3 20.7 31.1

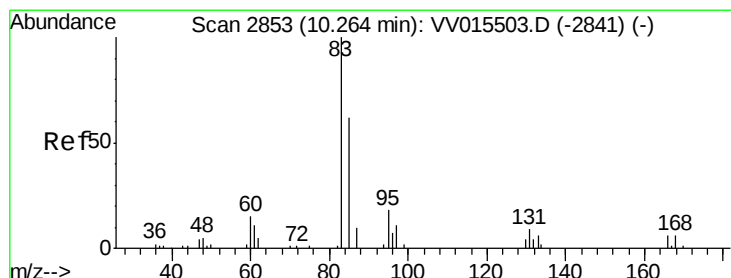
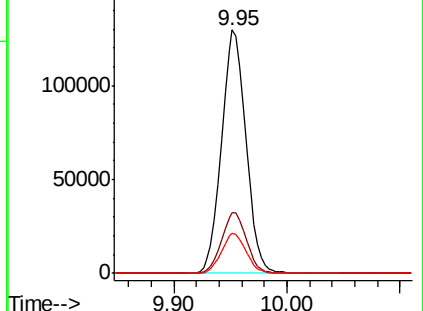
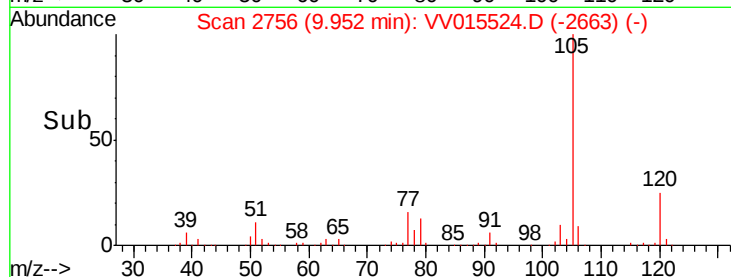
77 16.6 13.5 20.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.906 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

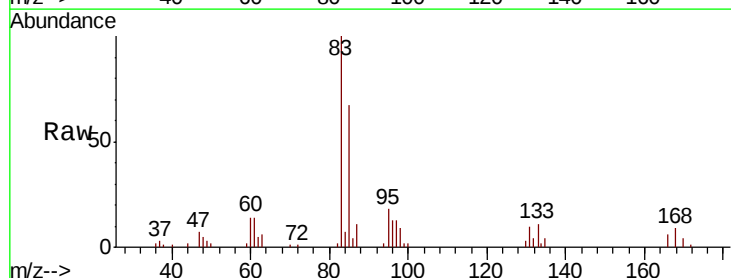
Tgt Ion: 83 Resp: 29864

Ion Ratio Lower Upper

83 100

85 67.4 44.5 82.7

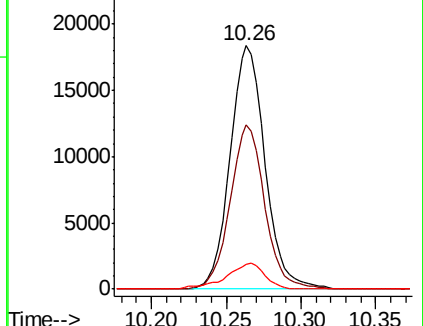
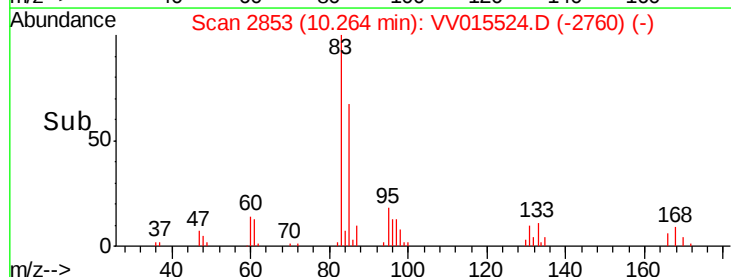
131 10.3 7.5 11.3

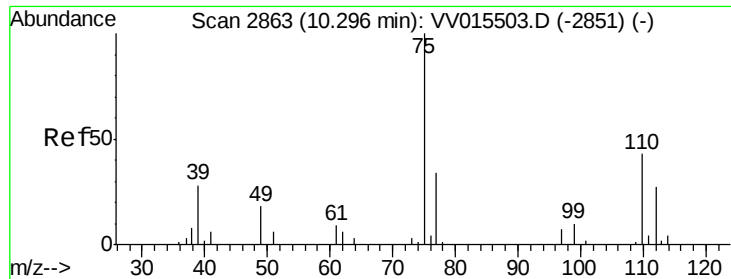


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.224 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

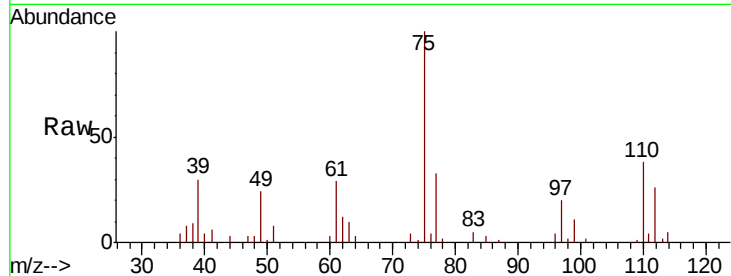
ClientSampleId :

Tot Ion: 75 Resp: 24036

Ion Ratio Lower Upper

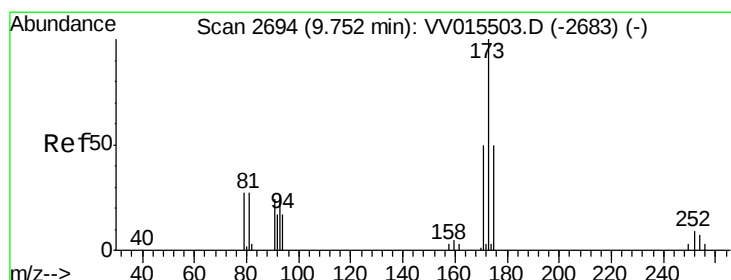
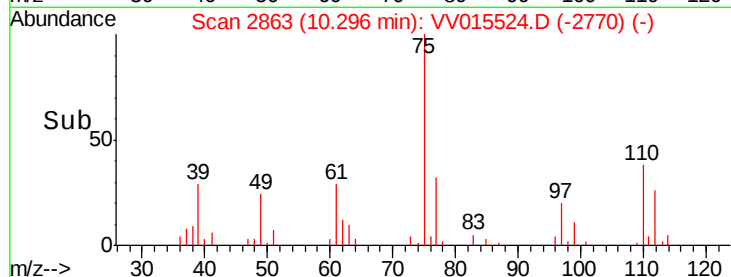
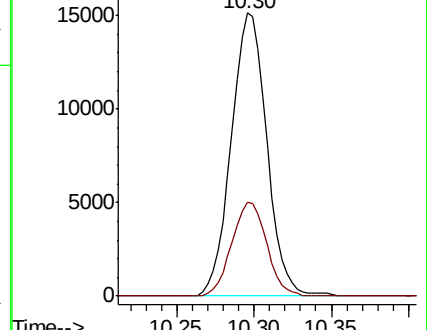
75 100

77 32.6 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV015503.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV015503.D (-2851) (-)



#61

Bromoform

Concen: 5.043 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

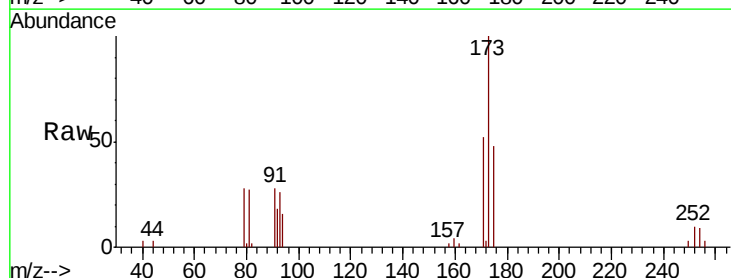
Tgt Ion:173 Resp: 14783

Ion Ratio Lower Upper

173 100

175 48.7 38.2 57.2

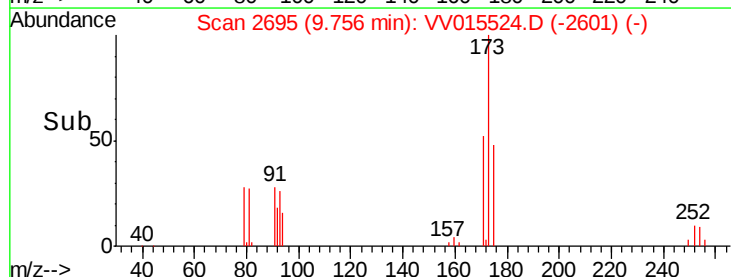
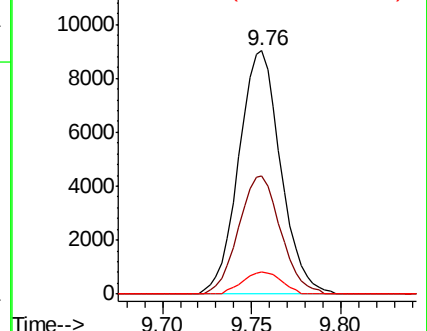
254 8.3 6.6 10.0

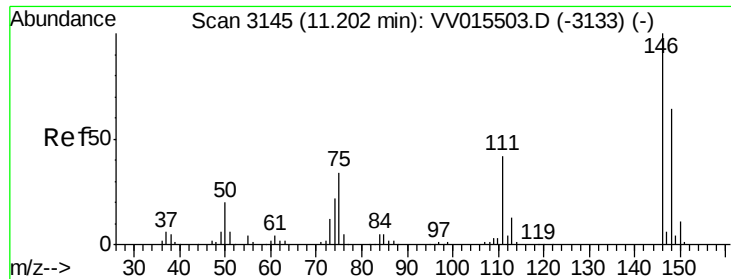


Abundance Ion 172.90 (172.60 to 173.60): VV015503.D (-2683) (-)

Ion 174.90 (174.60 to 175.60): VV015503.D (-2683) (-)

Ion 253.75 (253.45 to 254.45): VV015503.D (-2683) (-)

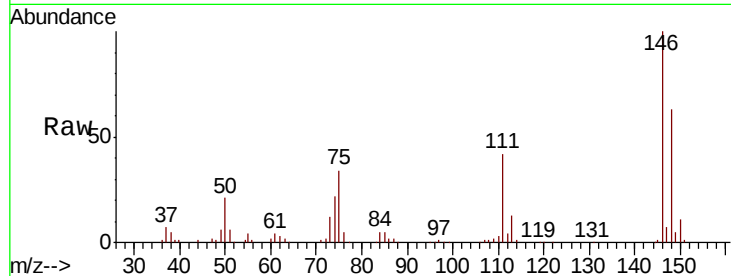




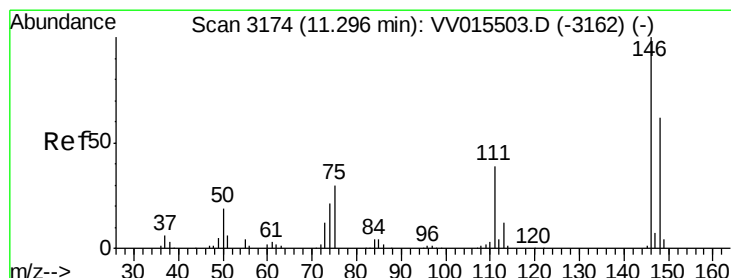
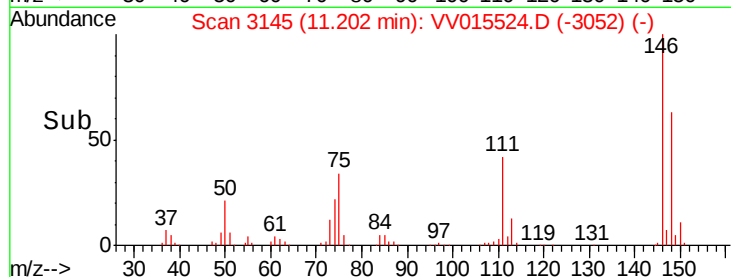
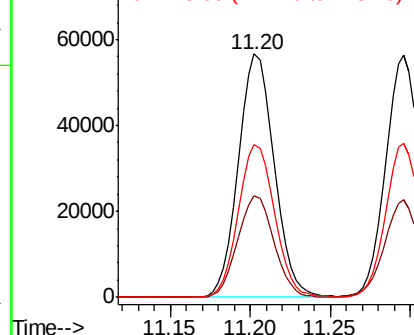
#62
 1,3-Dichlorobenzene
 Concen: 5.367 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:146 Resp: 86484
 Ion Ratio Lower Upper
 146 100
 111 41.7 29.3 54.5
 148 62.8 42.4 78.6

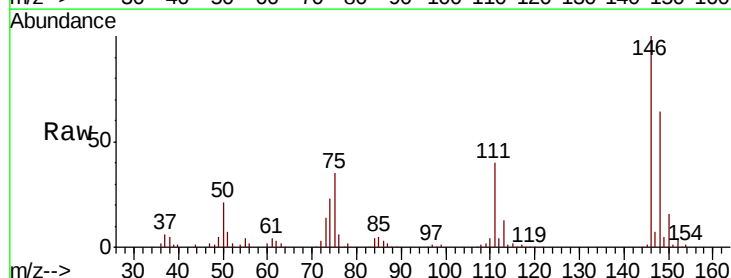


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

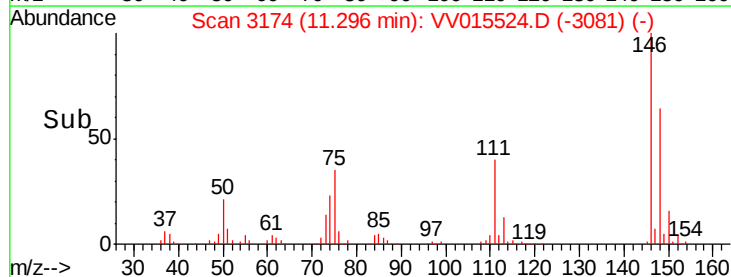
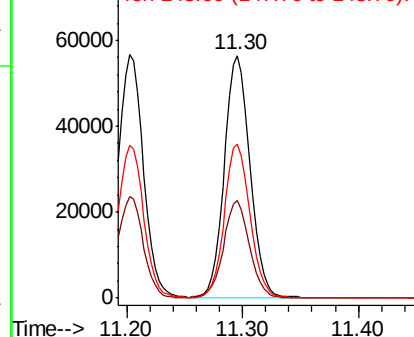


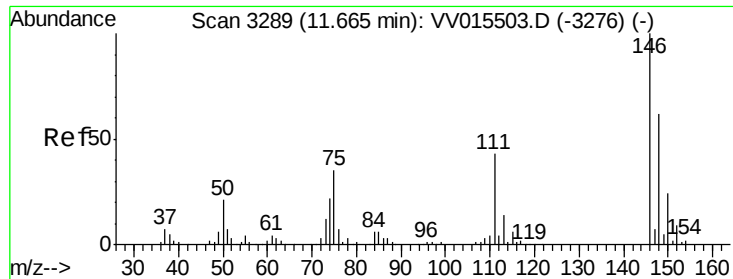
#63
 1,4-Dichlorobenzene
 Concen: 5.299 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion:146 Resp: 86896
 Ion Ratio Lower Upper
 146 100
 111 40.0 29.4 54.6
 148 63.7 44.3 82.3



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





#65

1,2-Dichlorobenzene

Concen: 5.281 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

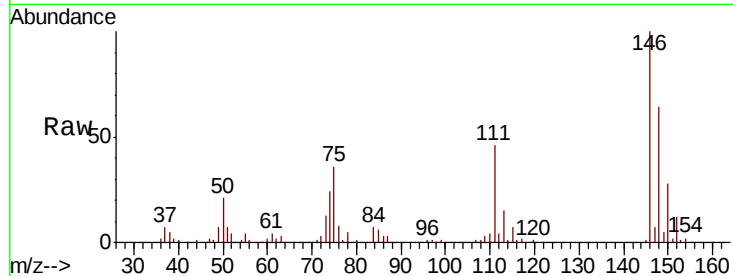
Tot Ion:146 Resp: 77589

Ion Ratio Lower Upper

146 100

111 45.8 35.8 53.6

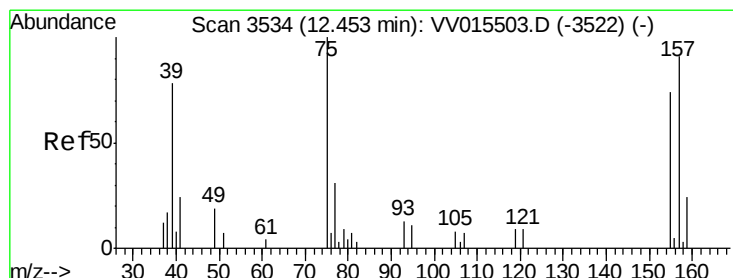
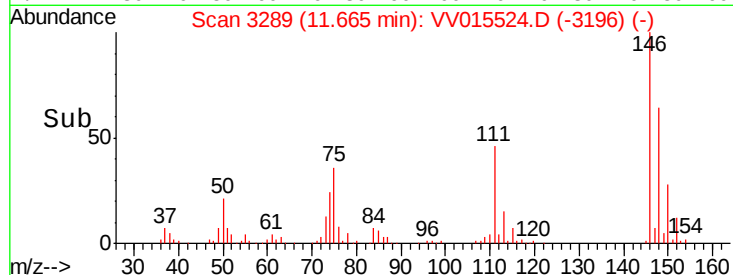
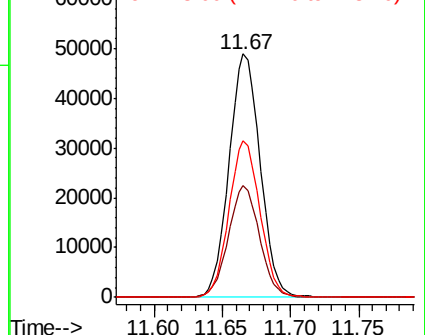
148 64.3 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.747 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

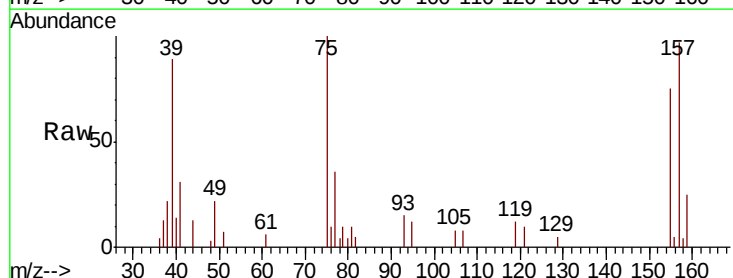
Tgt Ion: 75 Resp: 5337

Ion Ratio Lower Upper

75 100

155 75.1 60.8 91.2

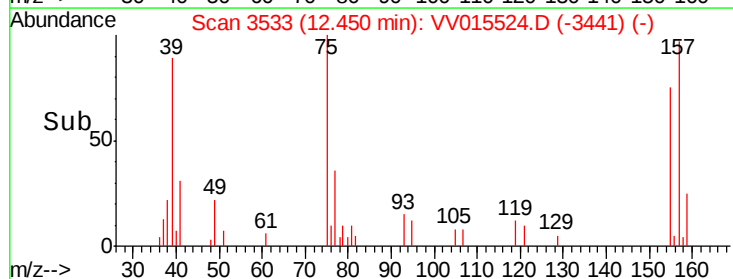
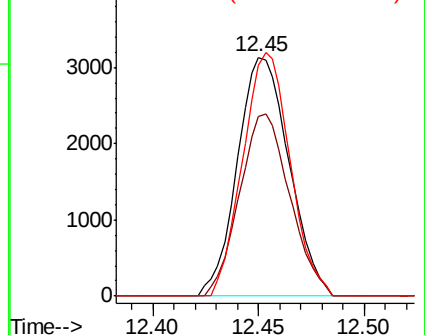
157 96.5 75.7 113.5

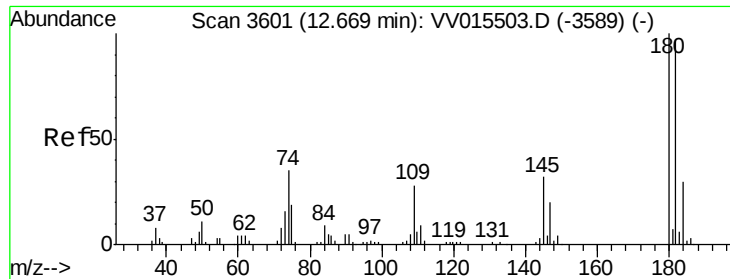


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

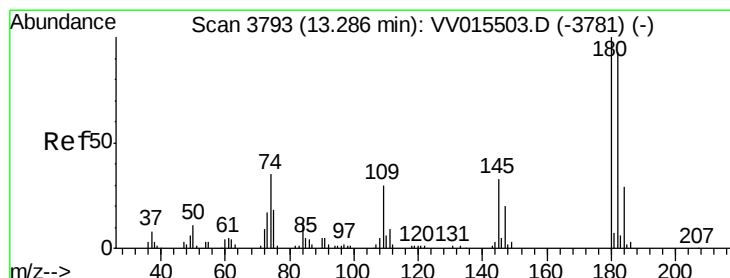
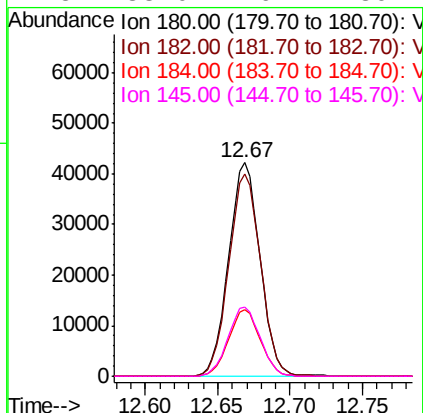
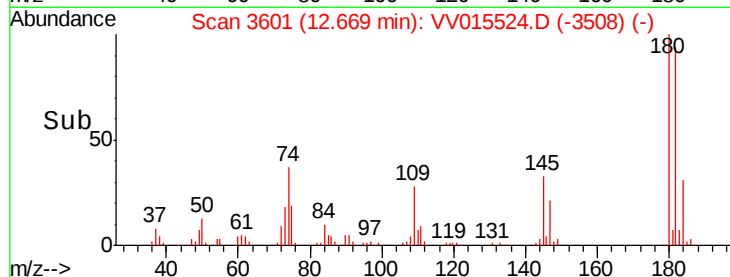
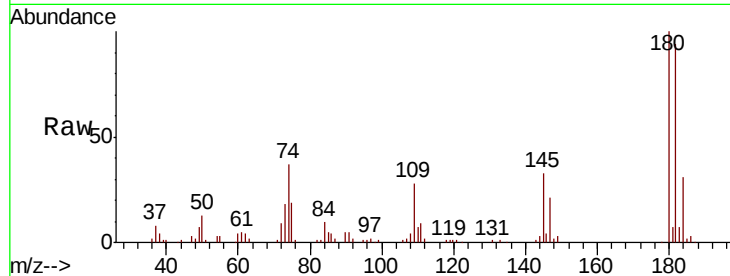




#67
 1,3,5-Trichlorobenzene
 Concen: 5.446 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

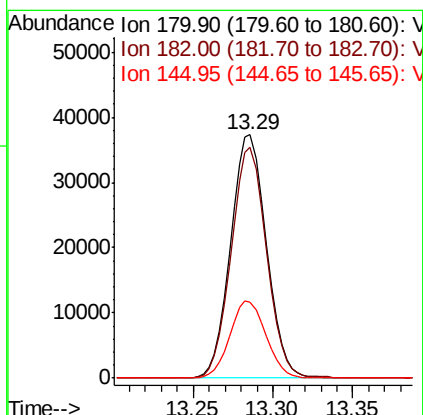
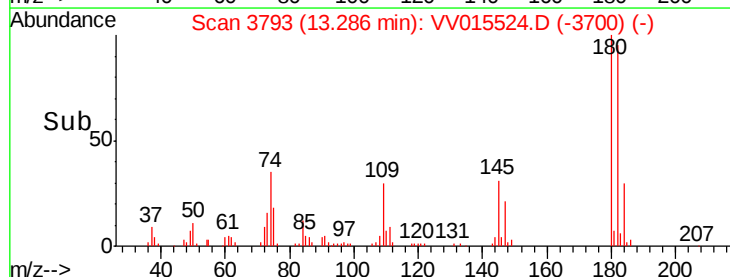
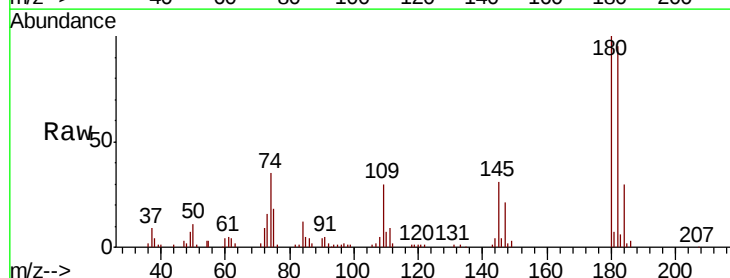
Instrument :
 MSVOA_V
 ClientSampleId :

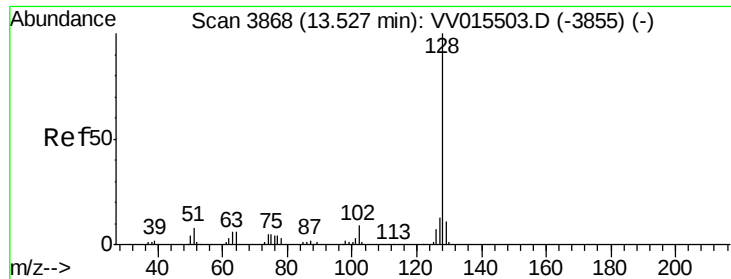
Tot Ion:180 Resp: 63419
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.9 115.3
 184 31.5 24.0 36.0
 145 33.0 26.1 39.1



#68
 1,2,4-trichlorobenzene
 Concen: 5.412 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV015524.D
 Acq: 15 Apr 2020 21:25

Tgt Ion:180 Resp: 56772
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.6 115.0
 145 31.9 25.9 38.9





#69

Naphthalene

Concen: 4.807 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

Instrument :

MSVOA_V

ClientSampleId :

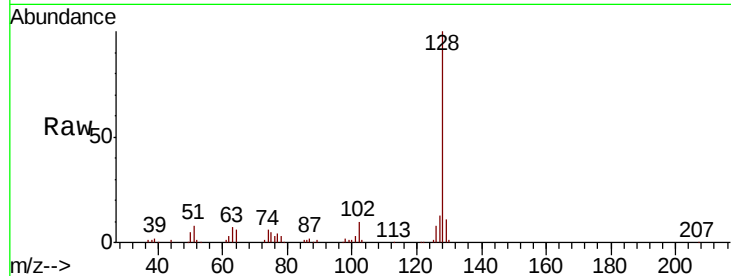
Tot Ion:128 Resp: 94994

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

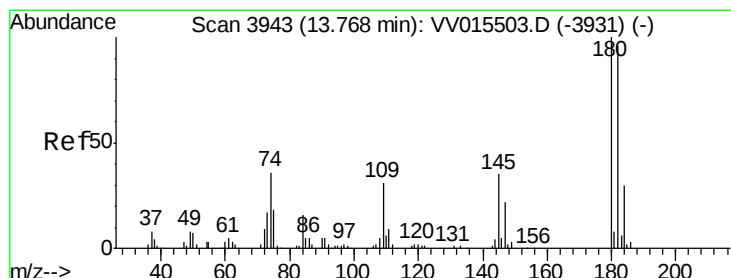
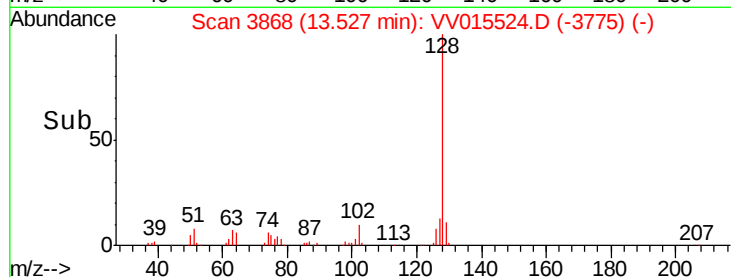
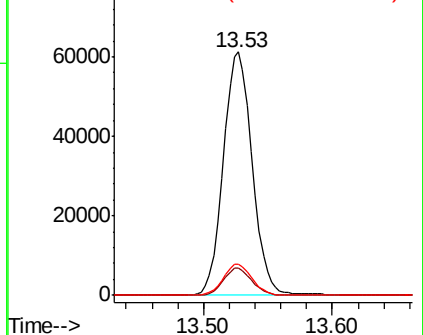
127 12.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.358 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV015524.D

Acq: 15 Apr 2020 21:25

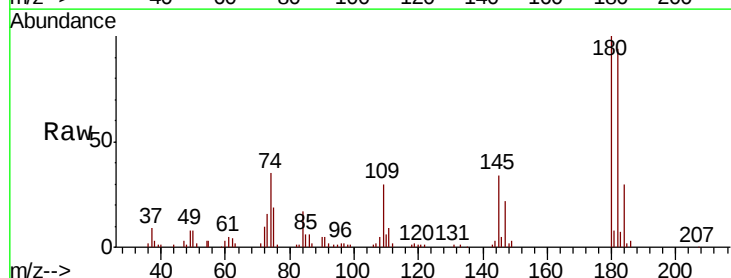
Tgt Ion:180 Resp: 49644

Ion Ratio Lower Upper

180 100

182 93.7 76.4 114.6

145 34.7 28.2 42.2



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

