

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012628.D
 Acq On : 09 Sep 2019 17:22
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:29:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:23:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	514679	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	489170	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	253809	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154824	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	1.58	69	132124	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	263225	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.97	46	420538	50.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.12%
24) Chloroform-d	4.40	84	294387	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
26) 1,2-Dichloroethane-d4	5.08	65	142482	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.09	84	572330	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.12	67	184373	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.40%
41) Toluene-d8	7.36	98	527628	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.66	79	64968	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
46) 2-Hexanone-d5	8.14	63	256761	53.15	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.30%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127690	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	207162	4.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	216521	4.988	ug/L 99
3) Chloromethane	1.25	50	209043	4.770	ug/L 100
5) Vinyl chloride	1.32	62	214634	4.799	ug/L 98
6) Bromomethane	1.53	94	119501	4.874	ug/L 99
8) Chloroethane	1.60	64	127610	4.825	ug/L 98
9) Trichlorofluoromethane	1.77	101	280057	4.991	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	165353	4.926	ug/L 100
12) 1,1-Dichloroethene	2.14	96	153272	4.794	ug/L 92
13) Acetone	2.23	43	244389	49.629	ug/L 99
14) Carbon disulfide	2.31	76	414024	4.815	ug/L 99
15) Methyl Acetate	2.47	43	61892	4.672	ug/L 100
16) Methylene chloride	2.53	84	166841	4.269	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	371185	4.949	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	177288	4.932	ug/L 99
19) 1,1-Dichloroethane	3.22	63	339140	5.012	ug/L 99
21) 2-Butanone	4.05	43	447458	52.987	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	196650	5.036	ug/L 96

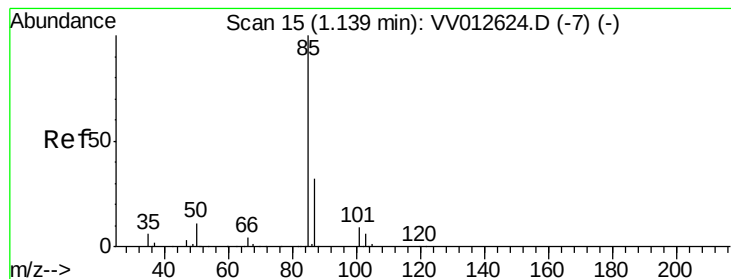
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012628.D
 Acq On : 09 Sep 2019 17:22
 Operator : SY/MD
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:23:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	81337	4.874	ug/L	97
25) Chloroform	4.42	83	345885	4.641	ug/L	98
27) 1,2-Dichloroethane	5.18	62	191462	4.901	ug/L	97
29) 1,1,1-Trichloroethane	4.65	97	275899	5.124	ug/L	100
30) Cyclohexane	4.72	56	287714	5.367	ug/L	99
31) Carbon tetrachloride	4.87	117	243131	5.127	ug/L	100
33) Benzene	5.14	78	748591	5.236	ug/L	100
34) Trichloroethene	5.96	95	204085	5.166	ug/L	98
35) Methylcyclohexane	6.17	83	302145	5.411	ug/L	99
37) 1,2-Dichloropropane	6.22	63	187070	5.254	ug/L	99
38) Bromodichloromethane	6.55	83	228991	4.965	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	248728	5.324	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	1063085	53.854	ug/L	99
42) Toluene	7.43	91	802972	5.406	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	190494	5.407	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	125836	5.074	ug/L	97
47) Tetrachloroethene	8.02	164	161942	5.222	ug/L	99
48) 2-Hexanone	8.19	43	786615	55.690	ug/L	100
49) Dibromochloromethane	8.29	129	150238	5.093	ug/L	99
50) 1,2-Dibromoethane	8.39	107	112693	5.127	ug/L	97
51) Chlorobenzene	8.92	112	508817	5.211	ug/L	99
52) Ethylbenzene	9.05	91	858359	5.373	ug/L	100
53) m,p-xylene	9.18	106	325841	5.396	ug/L	100
54) o-xylene	9.59	106	316716	5.476	ug/L	99
55) Styrene	9.60	104	540479	5.620	ug/L	99
56) Isopropylbenzene	9.97	105	846171	5.523	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	124347	5.029	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	106390	5.065	ug/L	99
61) Bromoform	9.77	173	80701	4.769	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	408387	5.194	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	402506	5.071	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	371860	5.023	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	19070	4.943	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	306706	5.150	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	243997	5.175	ug/L	99
69) Naphthalene	13.55	128	365862	5.133	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	234270	5.270	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.988 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

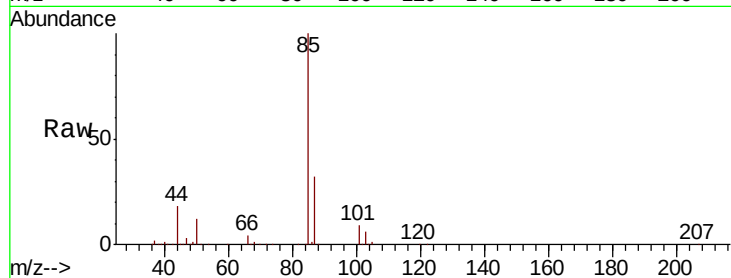
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 216521

Ion Ratio Lower Upper

85 100

87 31.8 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012628.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012628.D (-7) (-)

1.14

250000

200000

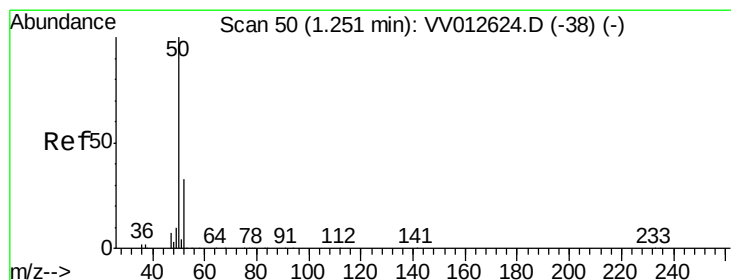
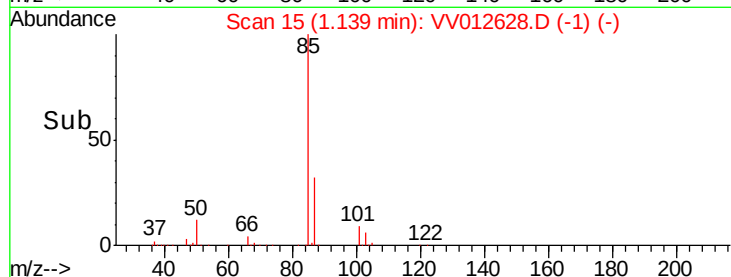
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 4.770 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012628.D

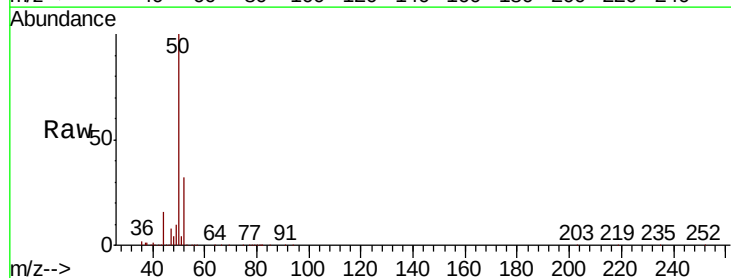
Acq: 09 Sep 2019 17:22

Tgt Ion: 50 Resp: 209043

Ion Ratio Lower Upper

50 100

52 32.4 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV012628.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV012628.D (-38) (-)

1.25

200000

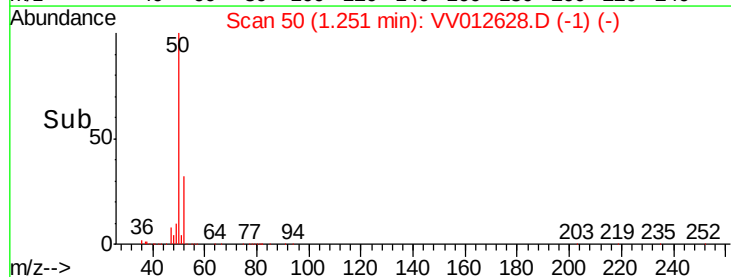
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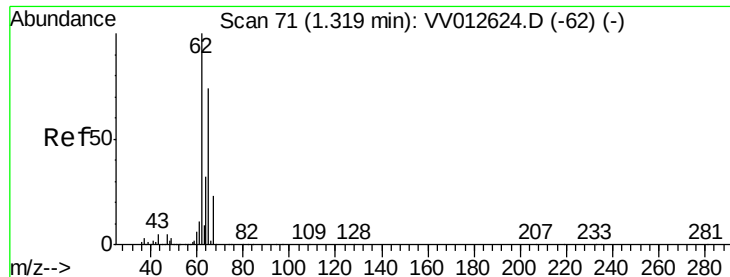
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 4.799 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

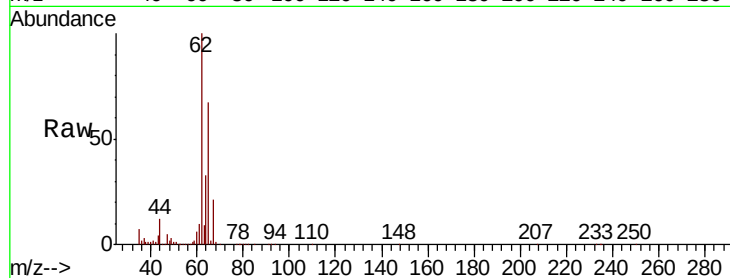
ClientSampleId :

Tot Ion: 62 Resp: 214634

Ion Ratio Lower Upper

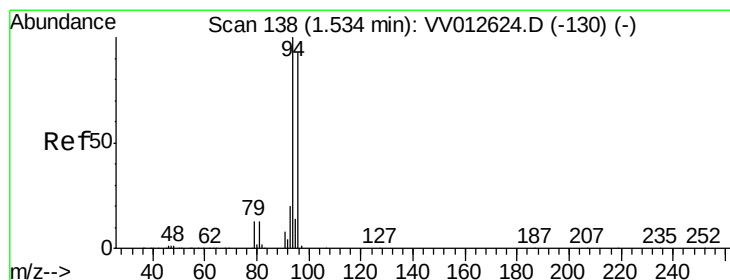
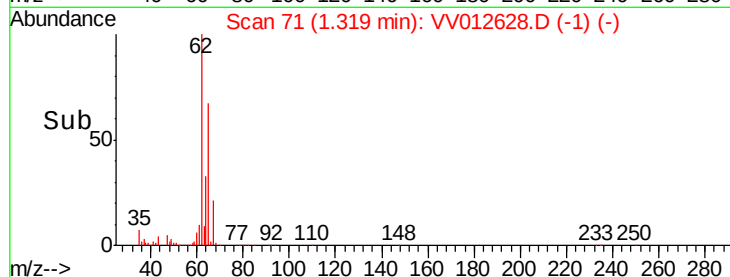
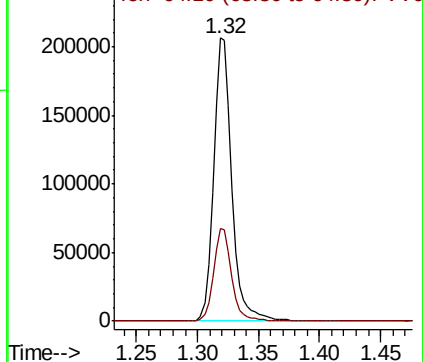
62 100

64 32.6 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.874 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012628.D

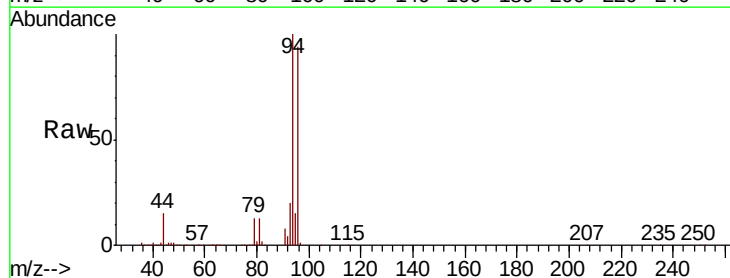
Acq: 09 Sep 2019 17:22

Tgt Ion: 94 Resp: 119501

Ion Ratio Lower Upper

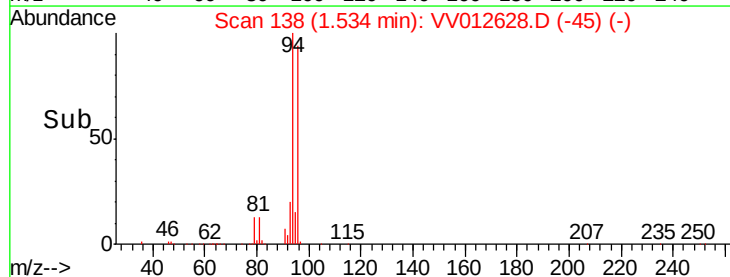
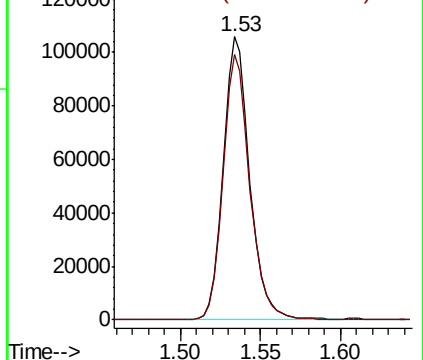
94 100

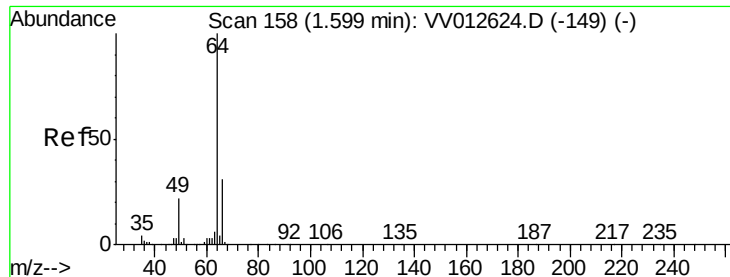
96 93.8 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 4.825 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

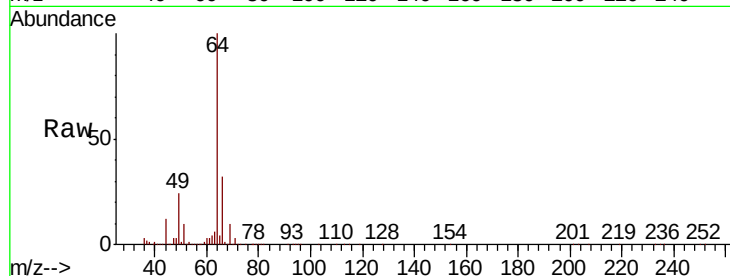
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 127610

Ion Ratio Lower Upper

64 100

66 31.9 21.6 40.0



Abundance Ion 64.10 (63.80 to 64.80): VV012628.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV012628.D (-149) (-)

1.60

120000

100000

80000

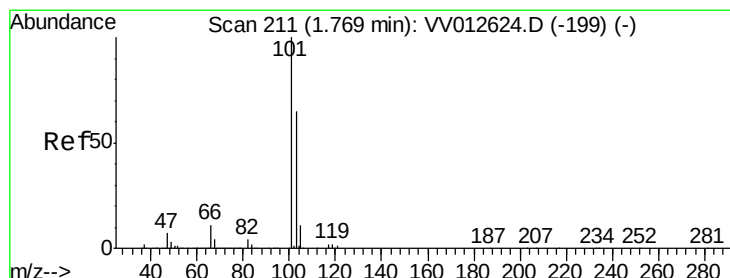
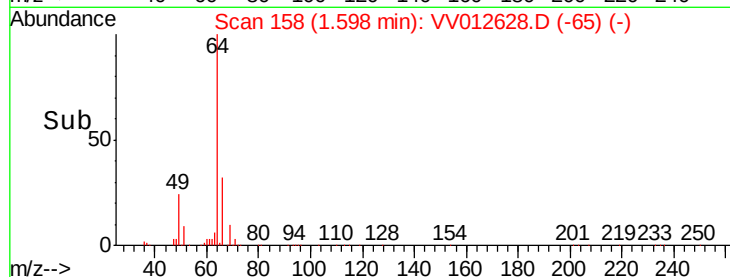
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.991 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV012628.D

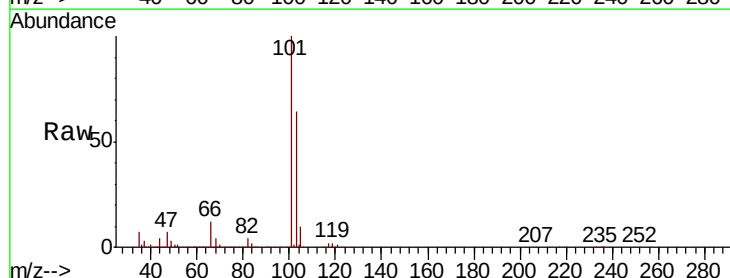
Acq: 09 Sep 2019 17:22

Tgt Ion:101 Resp: 280057

Ion Ratio Lower Upper

101 100

103 64.3 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): VV012628.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV012628.D (-199) (-)

1.77

250000

200000

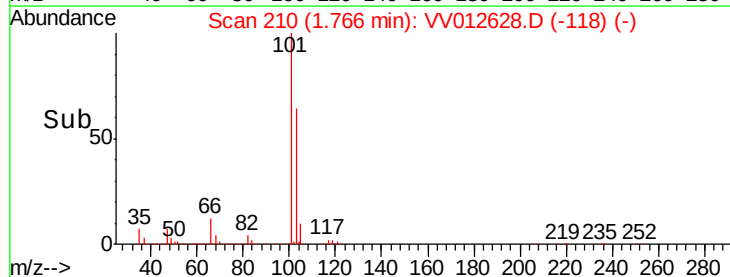
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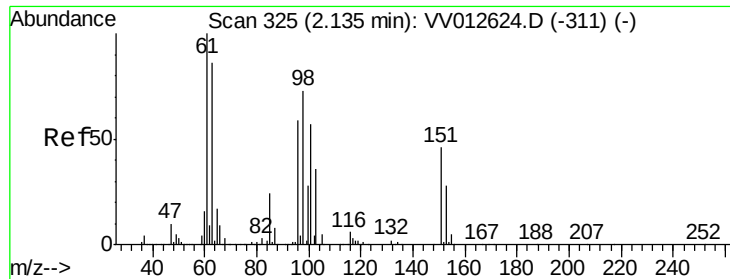
100000

50000

0

Time-->





#10

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

Concen: 4.926 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampled :

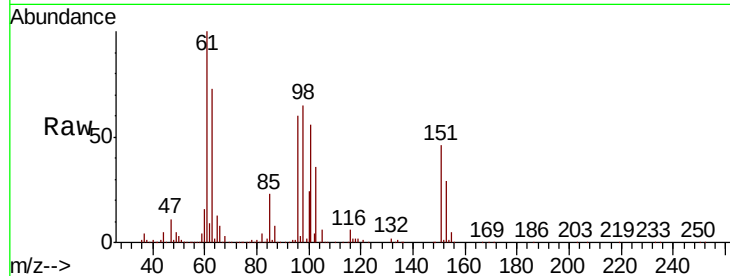
Tot Ion:101 Resp: 165353

Ion Ratio Lower Upper

101 100

85 41.4 33.0 49.6

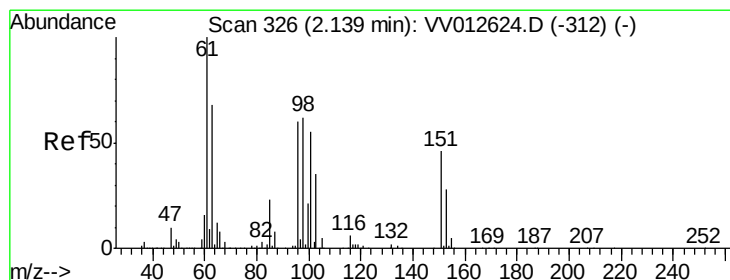
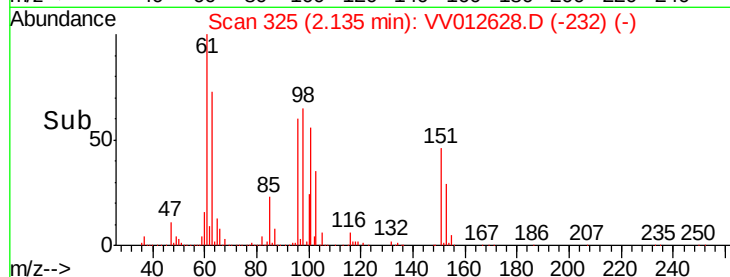
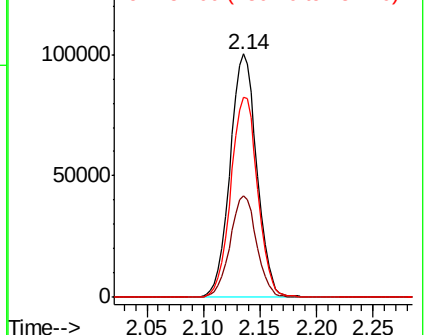
151 82.7 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.794 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

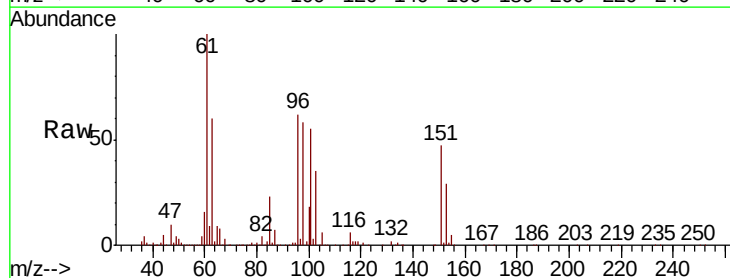
Tgt Ion: 96 Resp: 153272

Ion Ratio Lower Upper

96 100

61 162.1 115.8 215.0

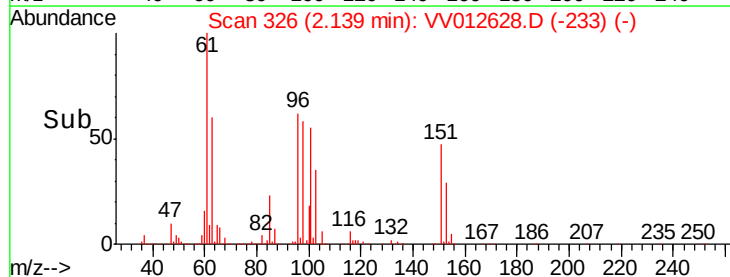
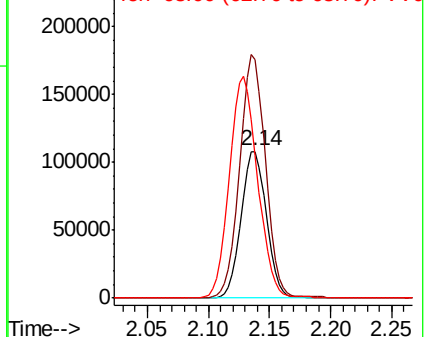
63 97.1 79.4 147.4

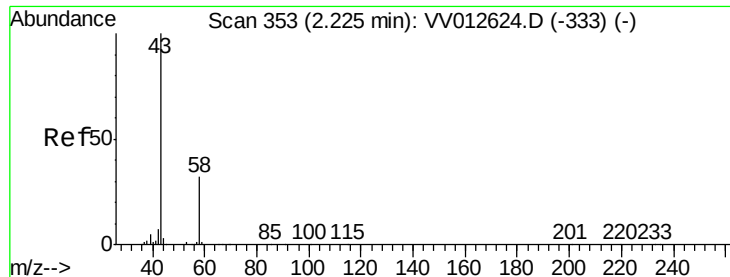


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 49.629 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

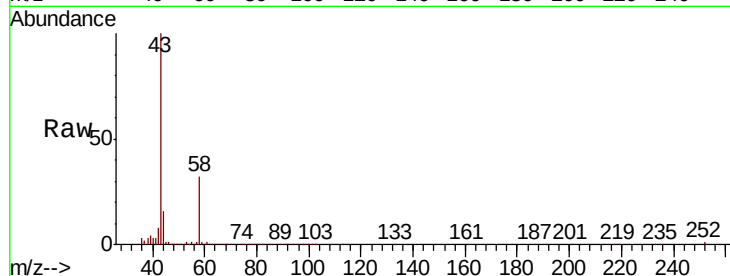
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 244389

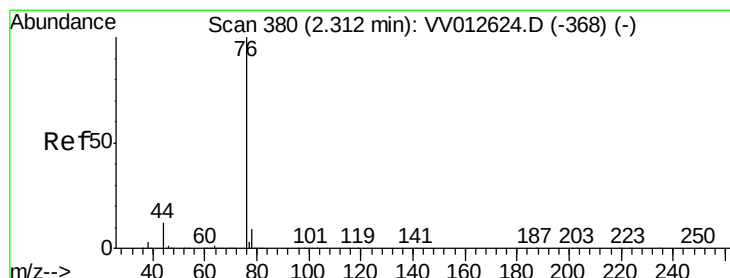
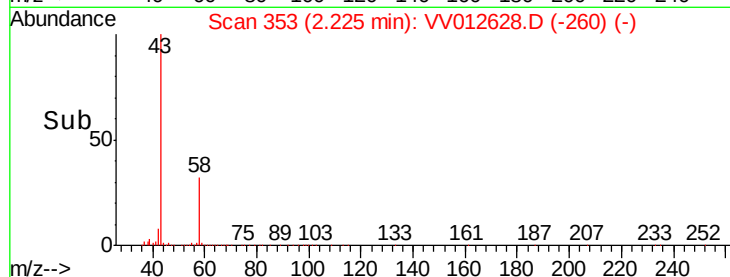
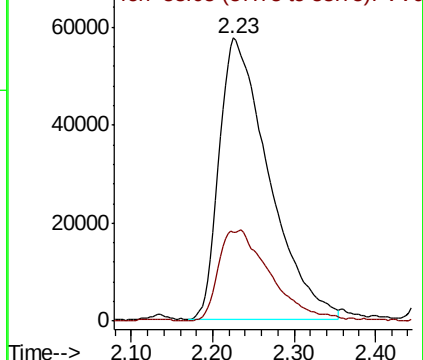
Ion Ratio Lower Upper

43 100

58 33.4 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.815 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012628.D

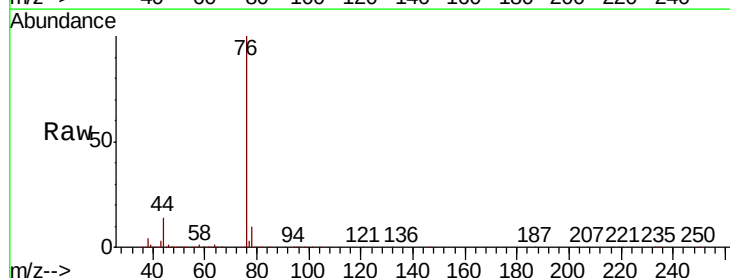
Acq: 09 Sep 2019 17:22

Tgt Ion: 76 Resp: 414024

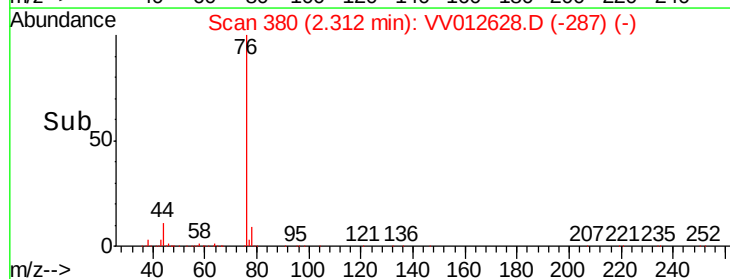
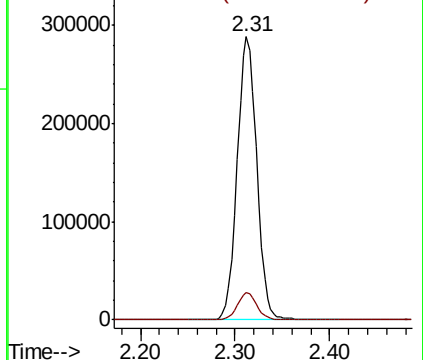
Ion Ratio Lower Upper

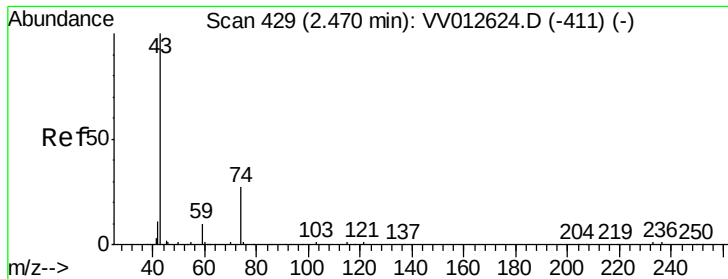
76 100

78 9.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0
Ion 78.00 (77.70 to 78.70): VV0

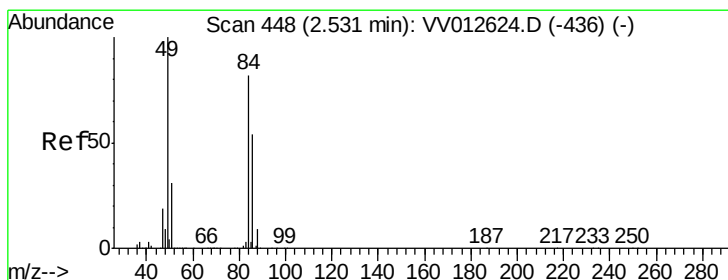
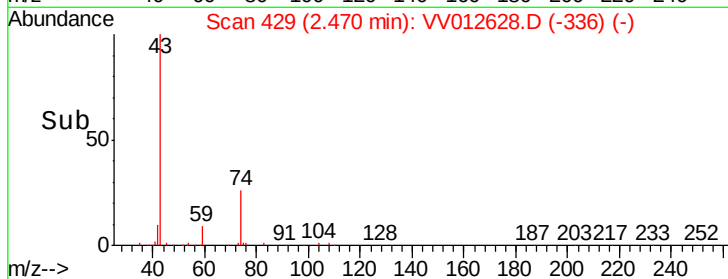
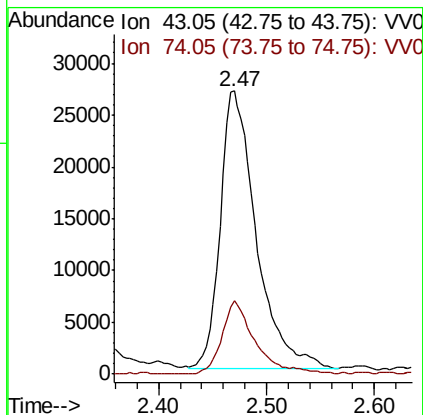
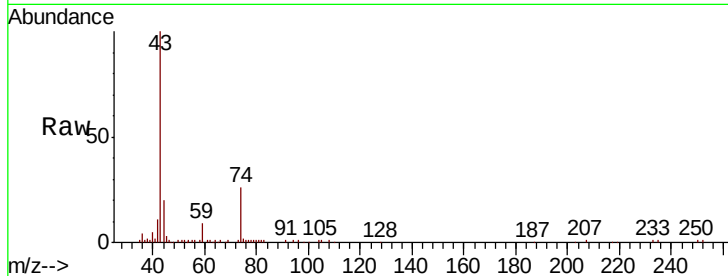




#15
Methvl Acetate
Concen: 4.672 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

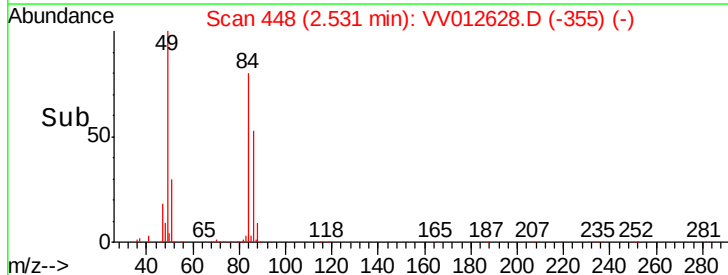
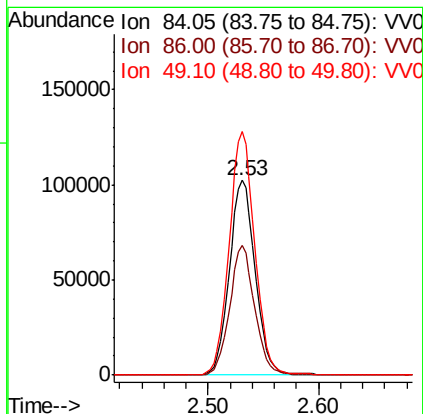
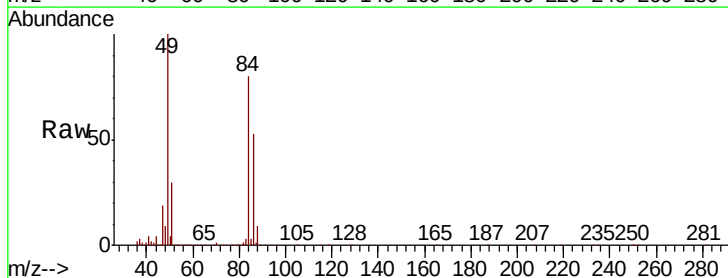
Instrument :
MSVOA_V
ClientSampleId :

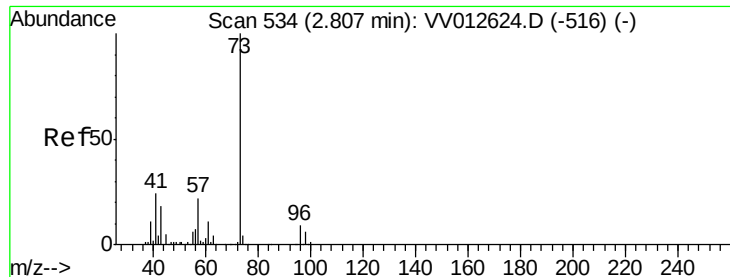
Tot Ion: 43 Resp: 61892
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.6



#16
Methylene chloride
Concen: 4.269 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

Tgt Ion: 84 Resp: 166841
Ion Ratio Lower Upper
84 100
86 66.8 46.1 85.7
49 125.0 85.3 158.3



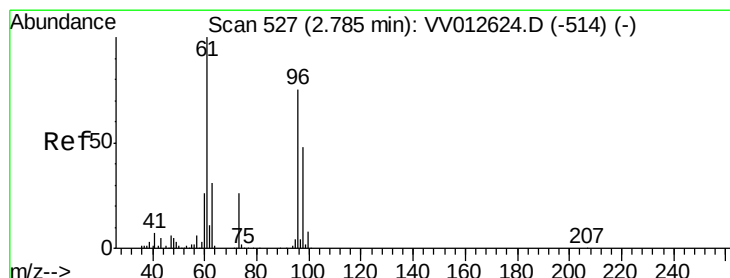
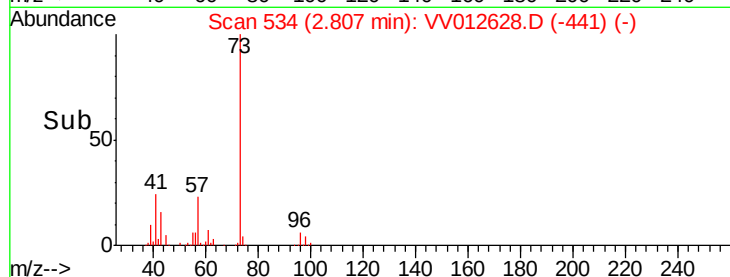
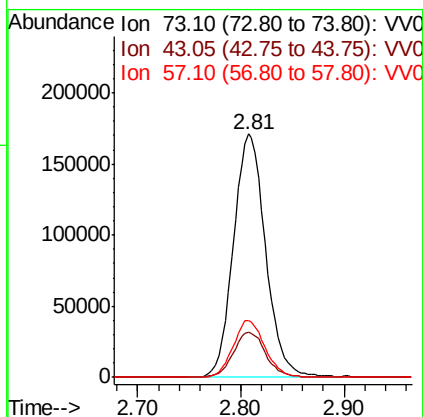
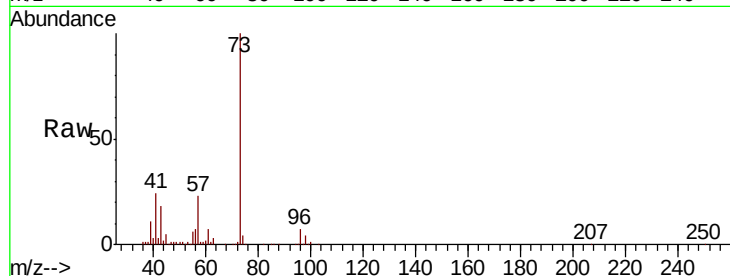


#17

Methyl tert-butyl Ether
 Concen: 4.949 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

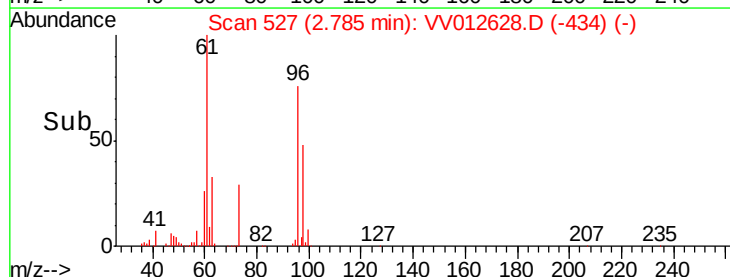
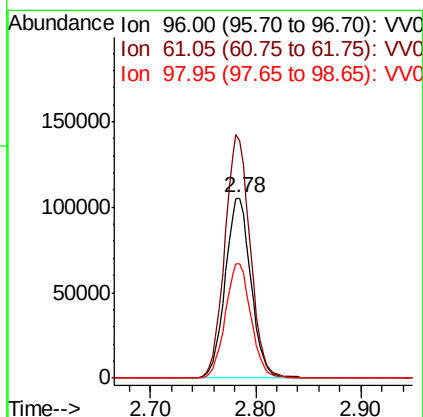
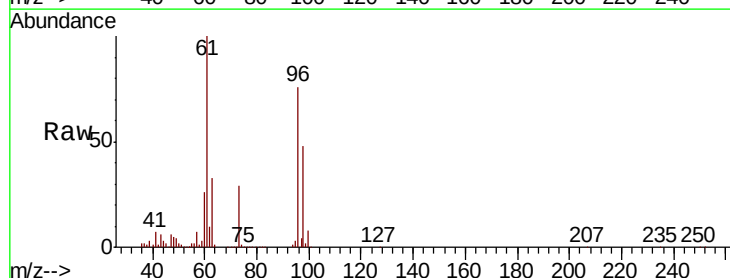
Tot Ion	73	Resp	371185
Ion Ratio	Lower	Upper	
73	100		
43	18.0	14.6	21.8
57	23.3	18.2	27.2

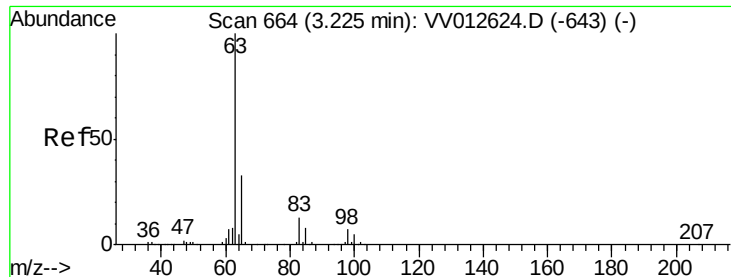


#18

trans-1,2-Dichloroethene
 Concen: 4.932 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion	96	Resp	177288
Ion Ratio	Lower	Upper	
96	100		
61	131.8	93.0	172.8
98	63.4	44.7	83.1

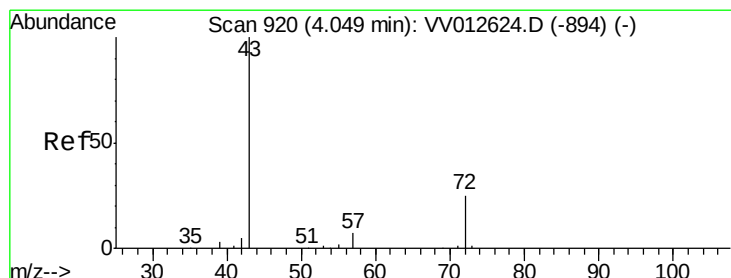
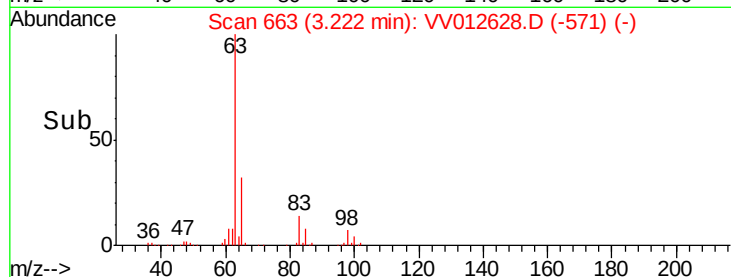
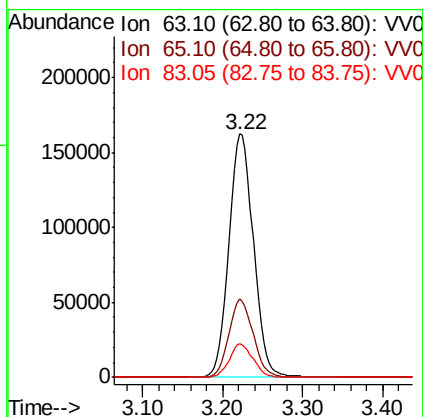
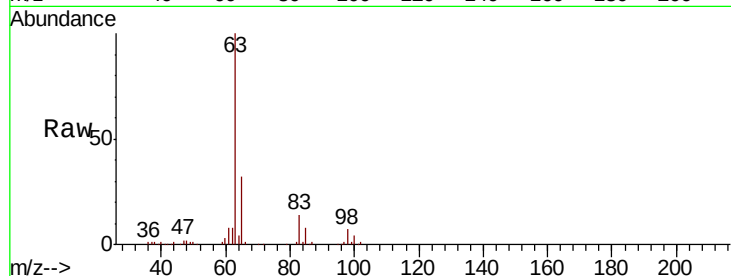




#19
 1,1-Dichloroethane
 Concen: 5.012 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

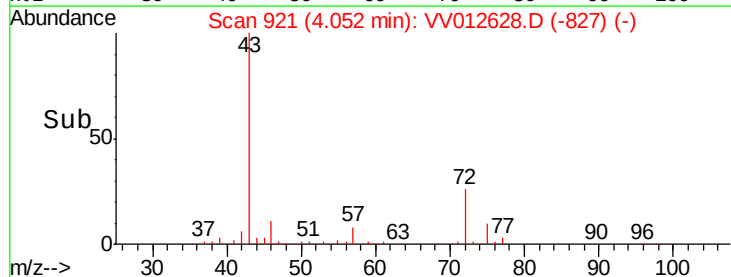
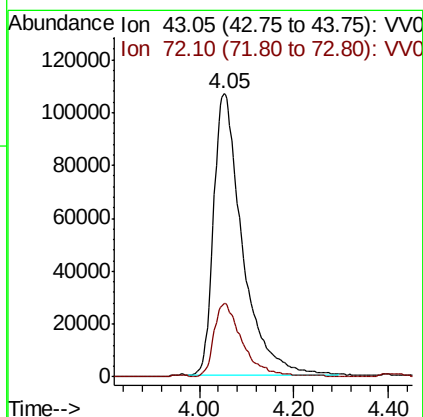
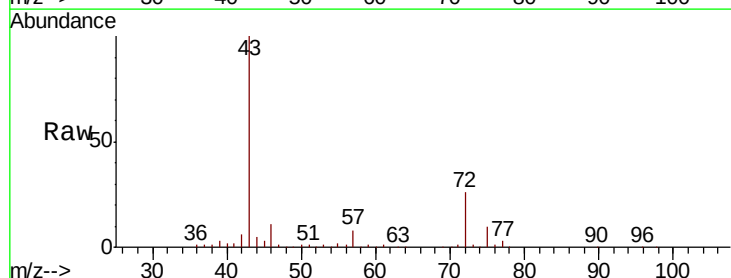
Instrument :
 MSVOA_V
 ClientSampleId :

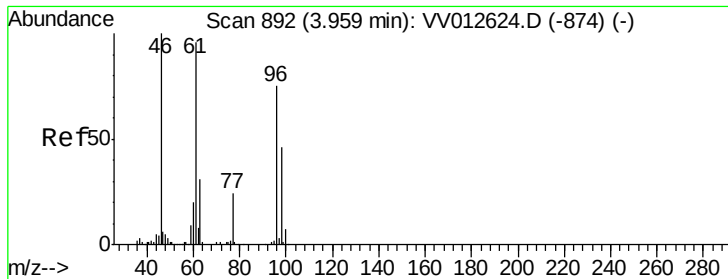
Tot Ion: 63 Resp: 339140
 Ion Ratio Lower Upper
 63 100
 65 32.0 22.7 42.3
 83 13.8 9.1 16.9



#21
 2-Butanone
 Concen: 52.987 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion: 43 Resp: 447458
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.0 38.9



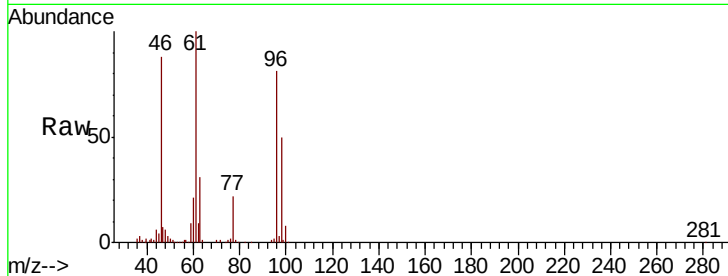


#22

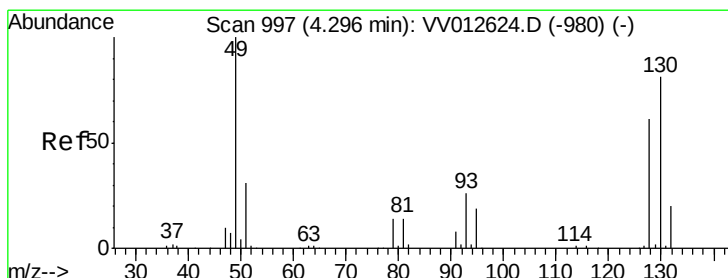
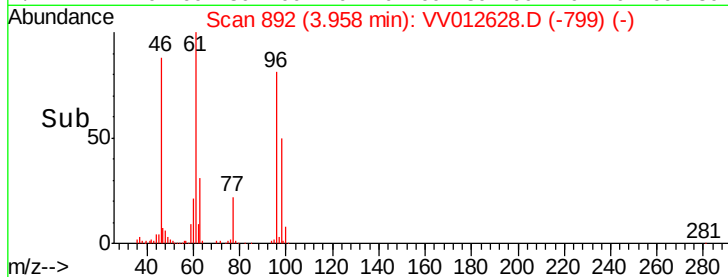
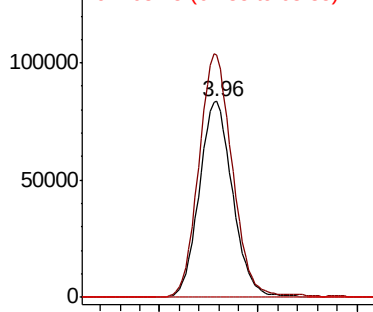
cis-1,2-Dichloroethene
 Concen: 5.036 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.7	89.7	166.5
68	0.0	0.0	0.0



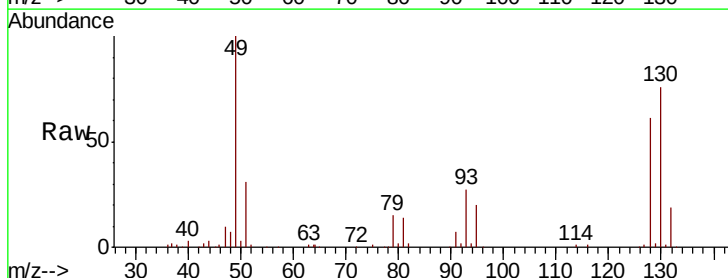
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



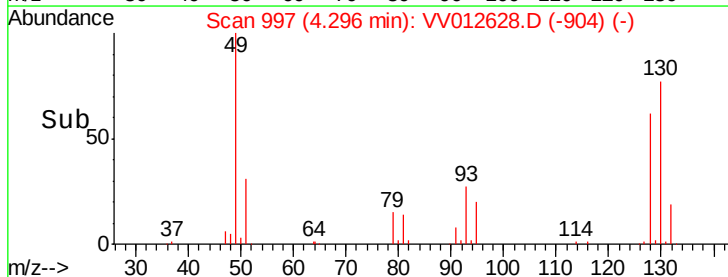
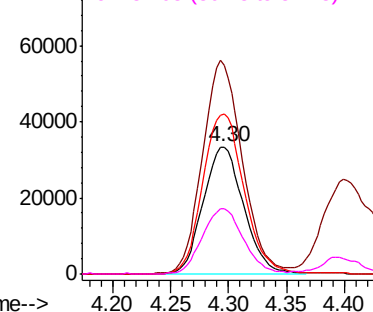
#23

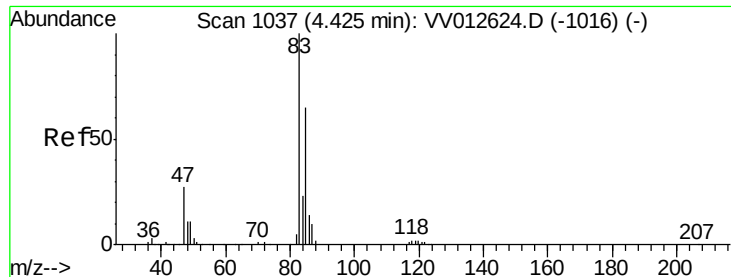
Bromochloromethane
 Concen: 4.874 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.2	115.2	214.0
130	125.6	92.9	172.5
51	51.5	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

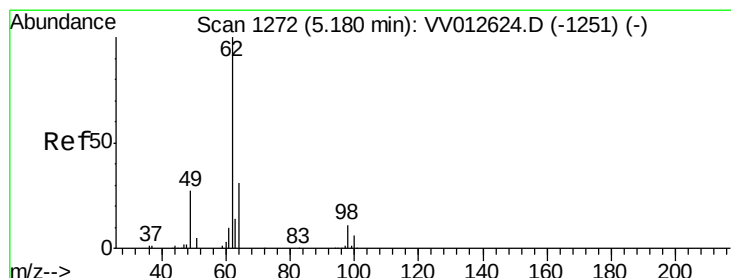
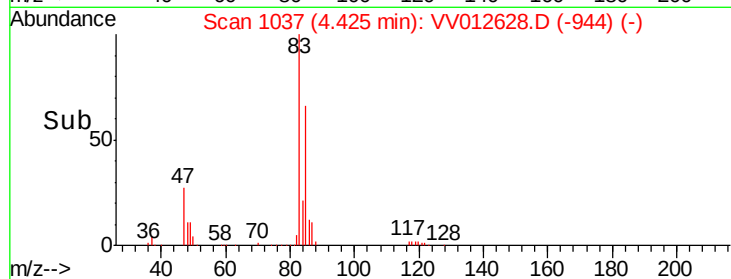
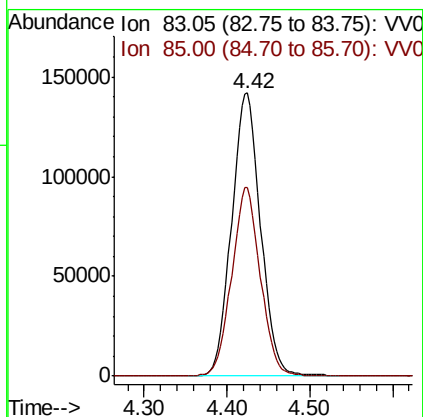
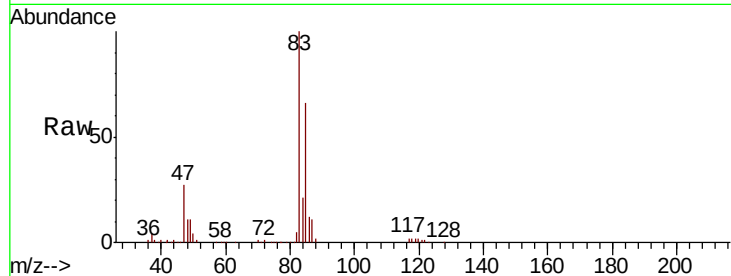




#25
Chloroform
Concen: 4.641 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

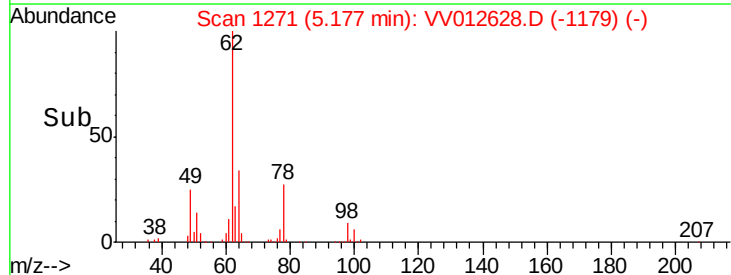
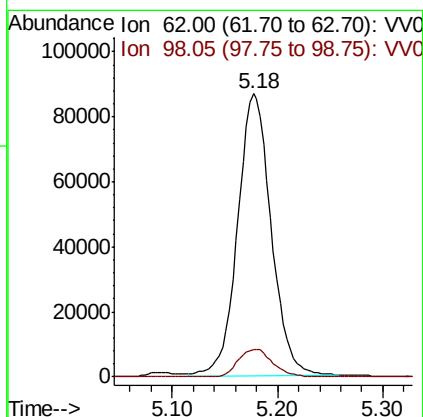
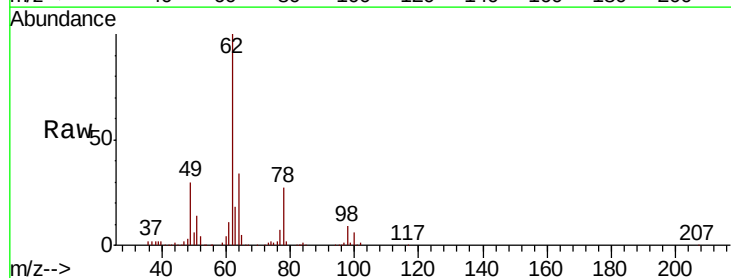
Instrument :
MSVOA_V
ClientSampleId :

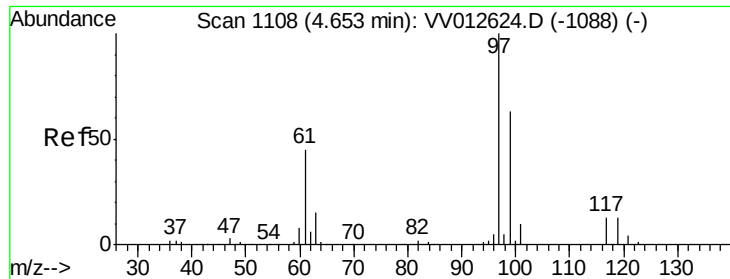
Tot Ion: 83 Resp: 345885
Ion Ratio Lower Upper
83 100
85 66.5 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.901 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

Tgt Ion: 62 Resp: 191462
Ion Ratio Lower Upper
62 100
98 9.5 8.4 12.6

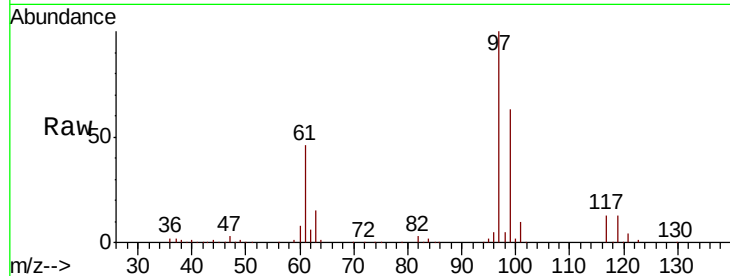




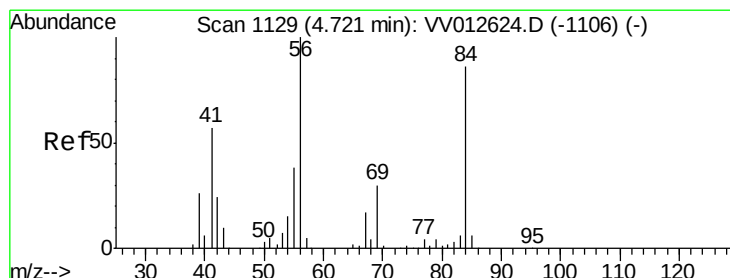
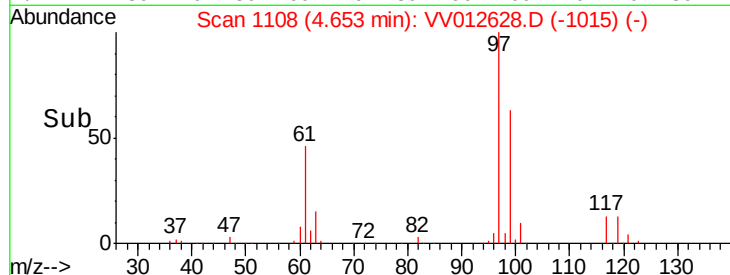
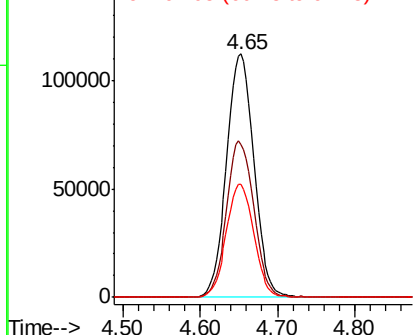
#29
 1,1,1-Trichloroethane
 Concen: 5.124 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion: 97 Resp: 275899
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.6 77.4
 61 47.0 37.5 56.3

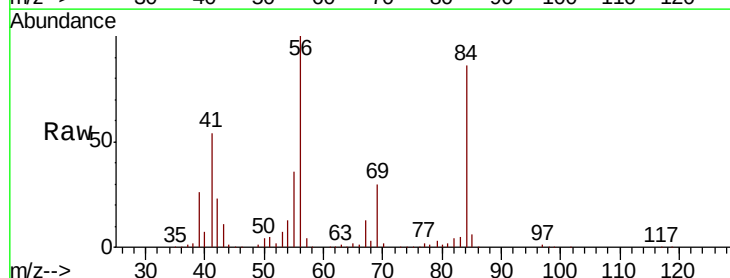


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

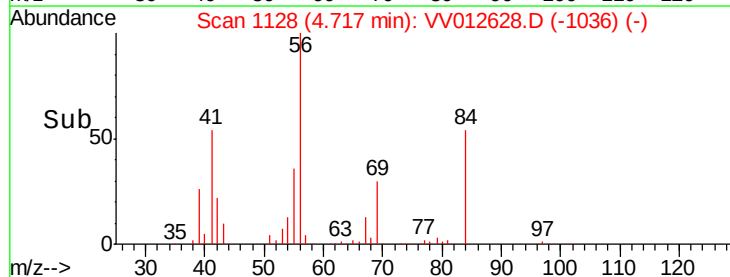
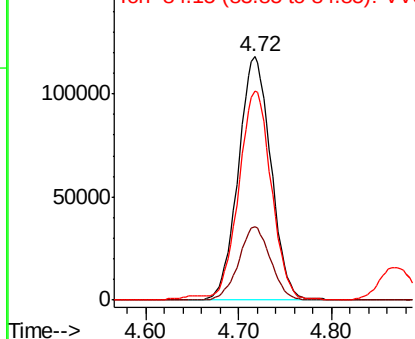


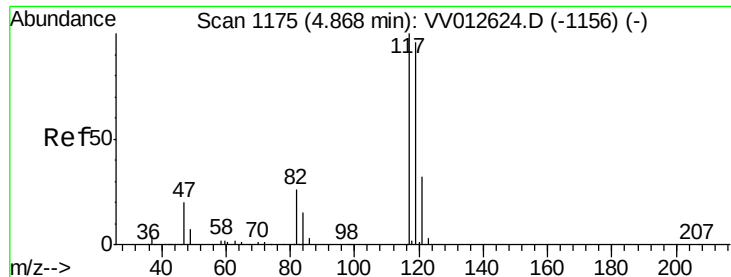
#30
 Cyclohexane
 Concen: 5.367 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion: 56 Resp: 287714
 Ion Ratio Lower Upper
 56 100
 69 29.3 23.8 35.8
 84 86.8 70.1 105.1



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: 5.127 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

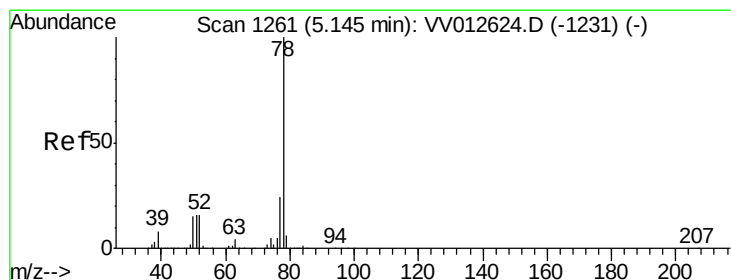
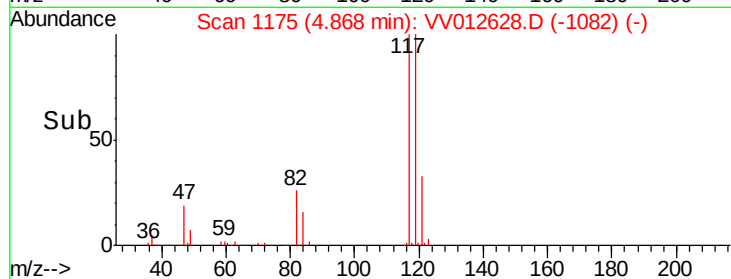
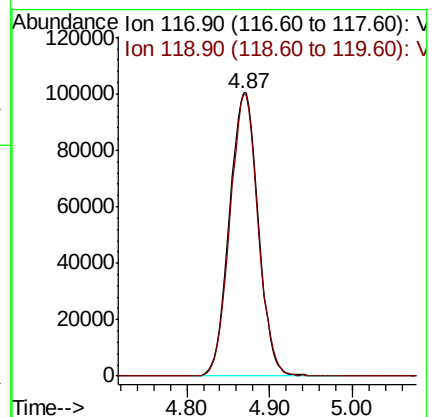
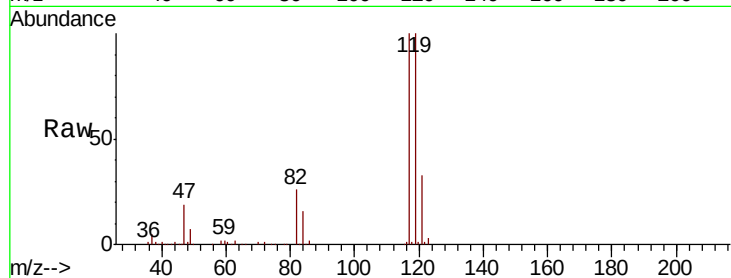
ClientSampled :

Tot Ion:117 Resp: 243131

Ion Ratio Lower Upper

117 100

119 96.9 77.7 116.5



#33

Benzene

Concen: 5.236 ug/L

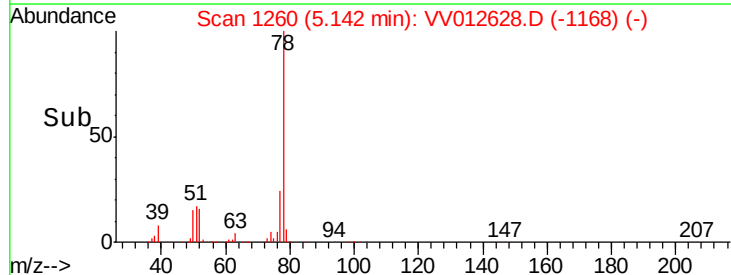
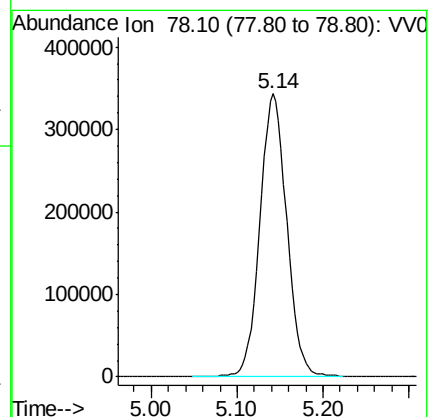
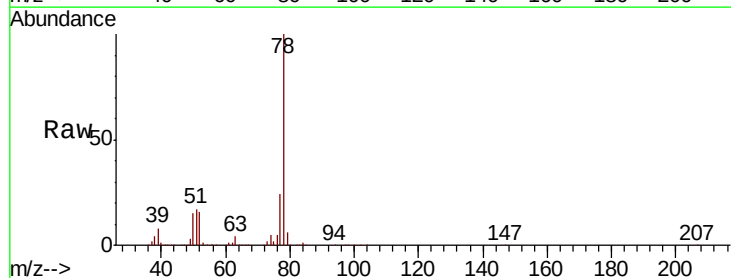
RT: 5.14 min Scan# 1260

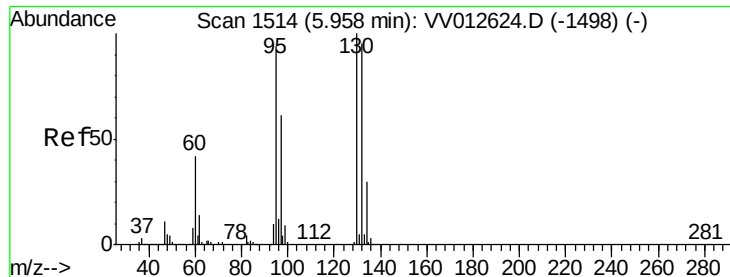
Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Tgt Ion: 78 Resp: 748591





#34

Trichloroethene

Concen: 5.166 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 204085

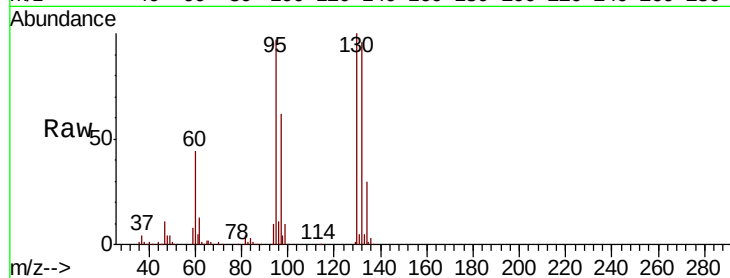
Ion Ratio Lower Upper

95 100

97 63.7 45.4 84.2

132 98.2 70.2 130.4

130 102.9 74.2 137.8

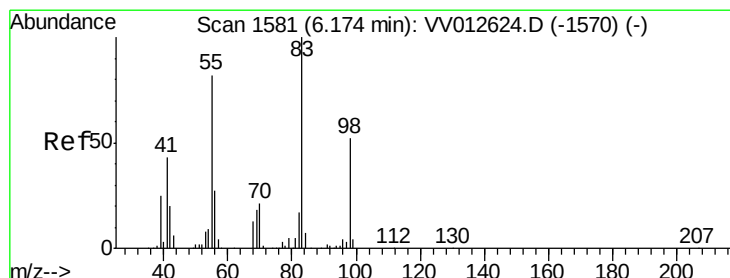
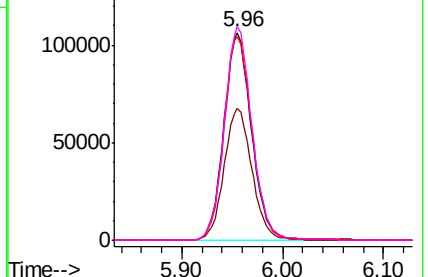
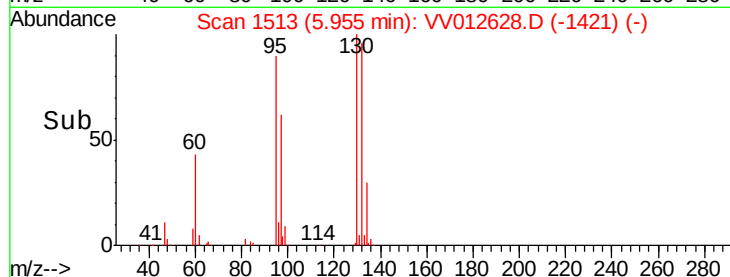


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 5.411 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

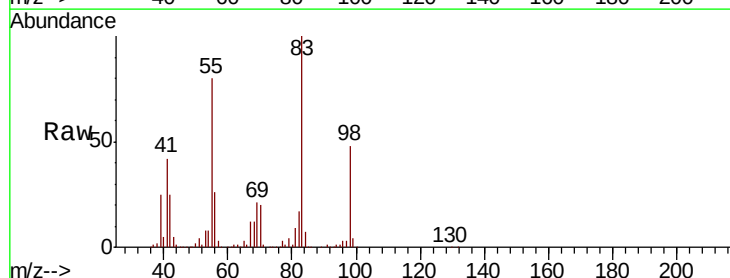
Tgt Ion: 83 Resp: 302145

Ion Ratio Lower Upper

83 100

55 77.8 63.0 94.4

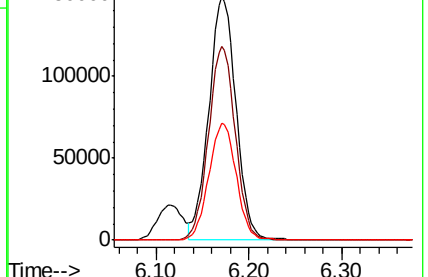
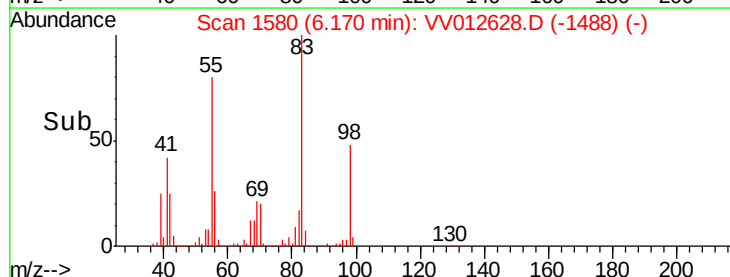
98 48.7 39.8 59.8

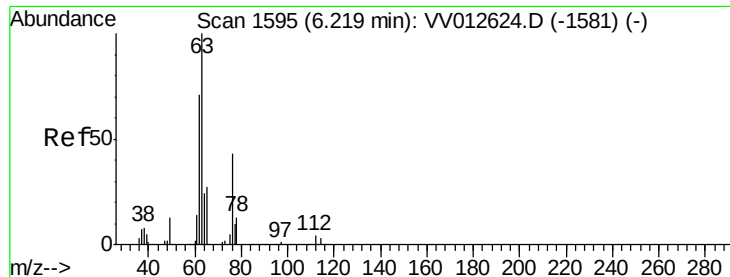


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

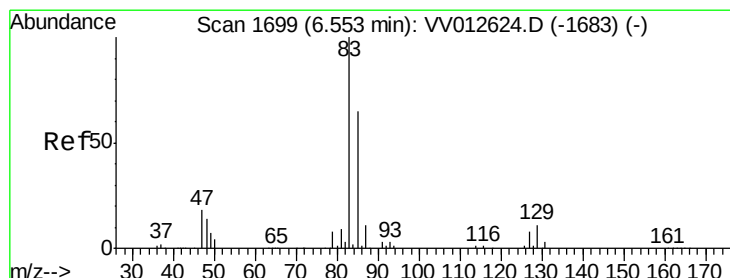
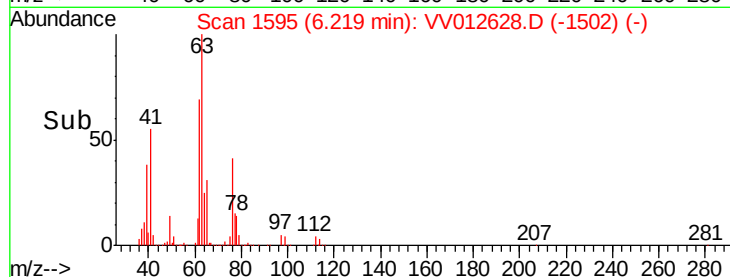
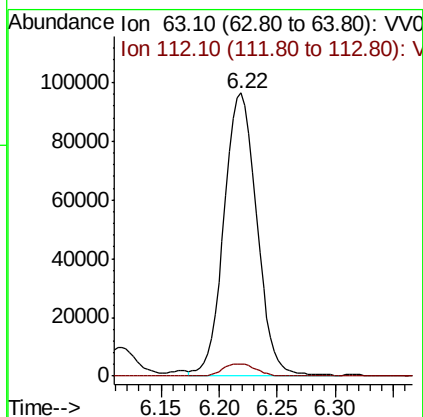
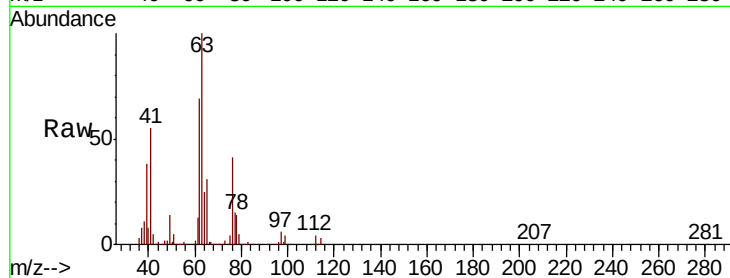




#37
 1,2-Dichloropropane
 Concen: 5.254 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

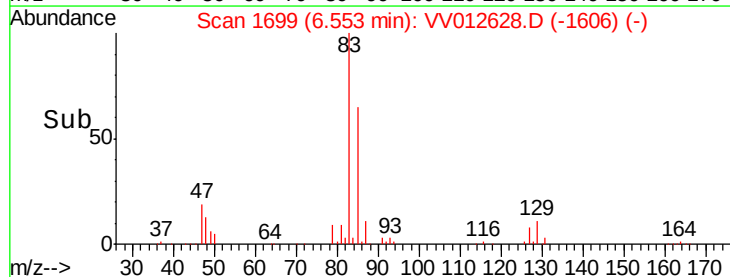
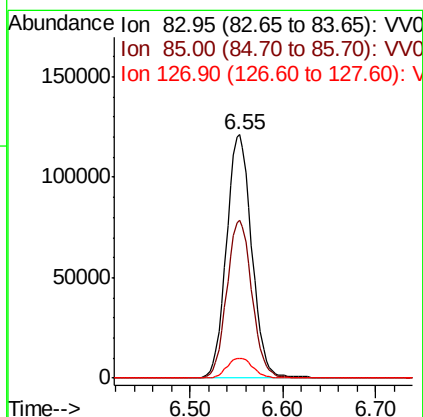
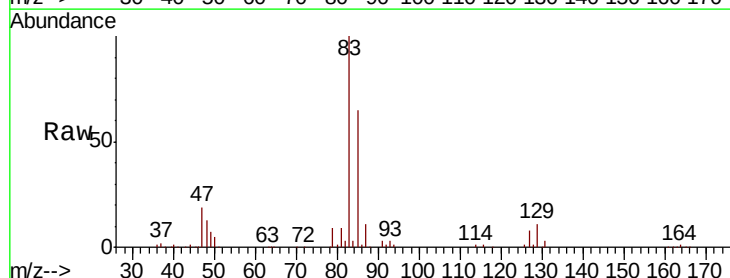
Instrument :
 MSVOA_V
 ClientSampled :

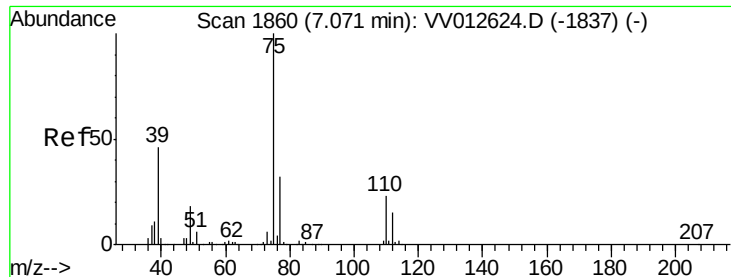
Tot Ion: 63 Resp: 187070
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.965 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion: 83 Resp: 228991
 Ion Ratio Lower Upper
 83 100
 85 65.1 45.3 84.1
 127 8.3 6.8 10.2



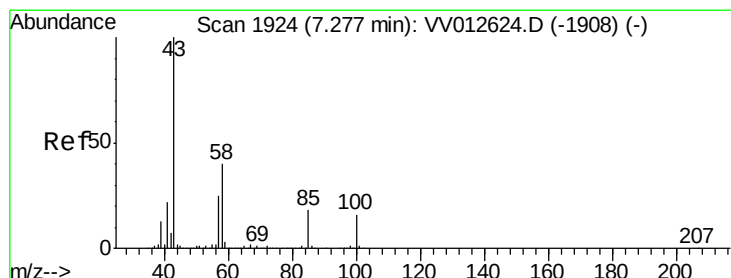
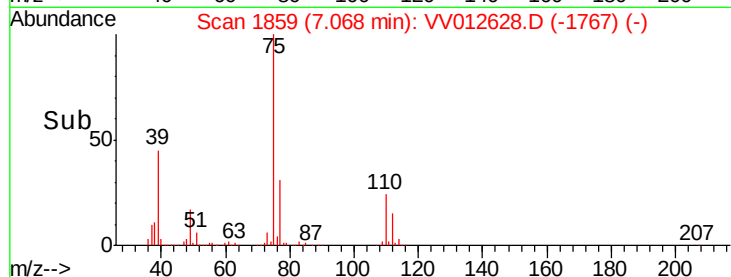
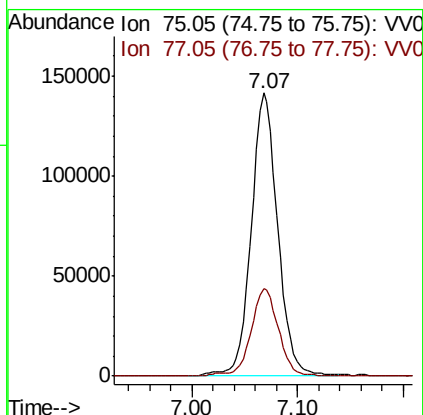
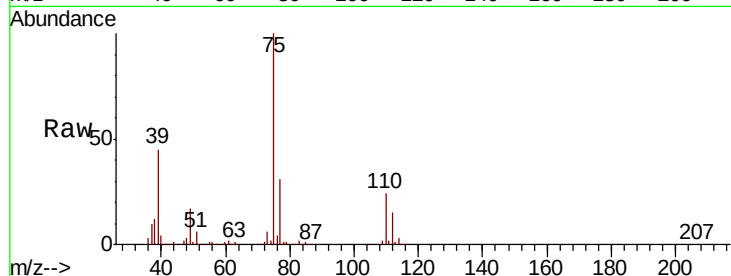


#39

cis-1,3-Dichloropropene
 Concen: 5.324 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampled :

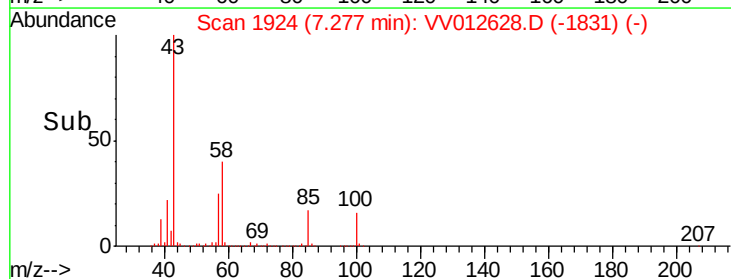
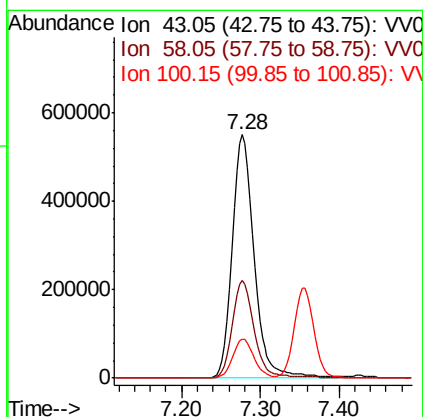
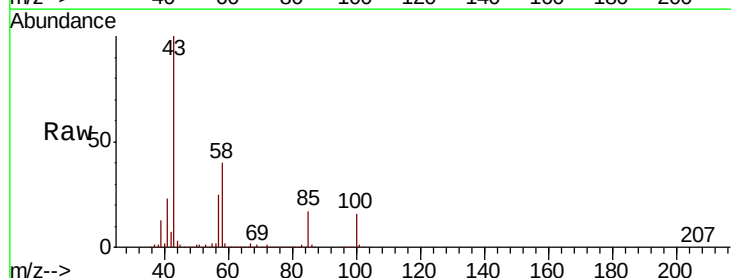
Tot Ion: 75 Resp: 248728
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.3

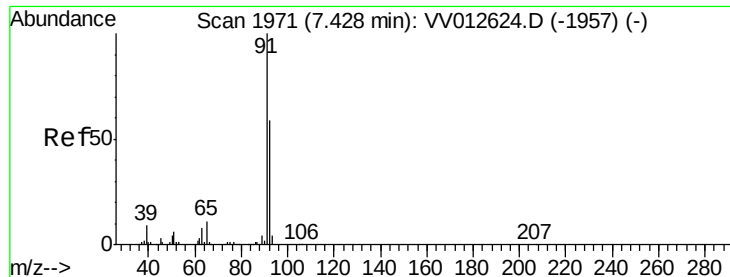


#40

4-Methyl-2-pentanone
 Concen: 53.854 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion: 43 Resp: 1063085
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.4 47.0
 100 15.5 12.6 18.8





#42

Toluene

Concen: 5.406 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

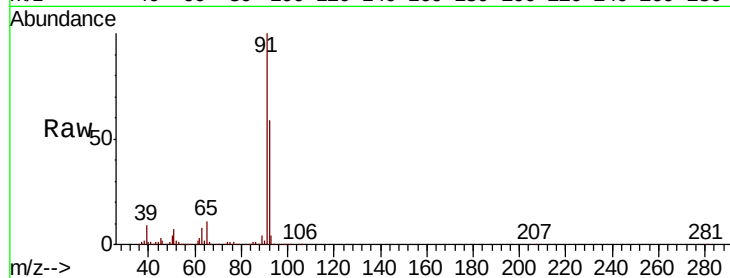
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 802972

Ion Ratio Lower Upper

91 100

92 59.2 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

500000

400000

300000

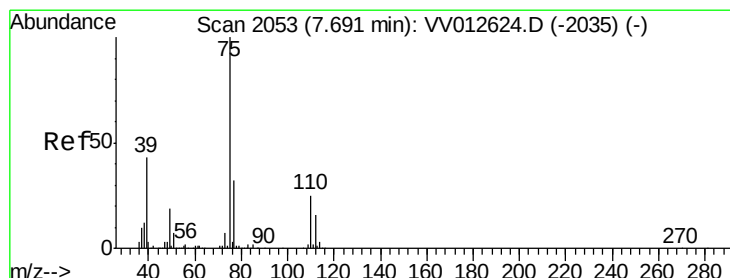
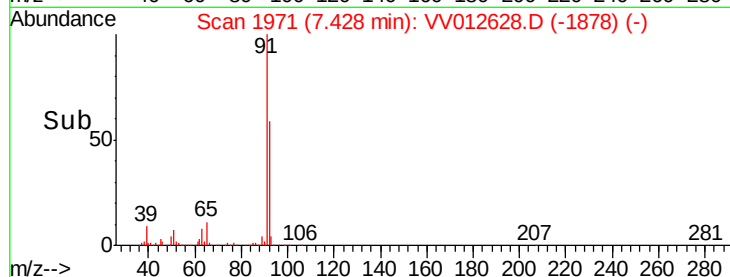
200000

100000

0

Time-->

7.35 7.40 7.45 7.50 7.55



#44

trans-1,3-Dichloropropene

Concen: 5.407 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012628.D

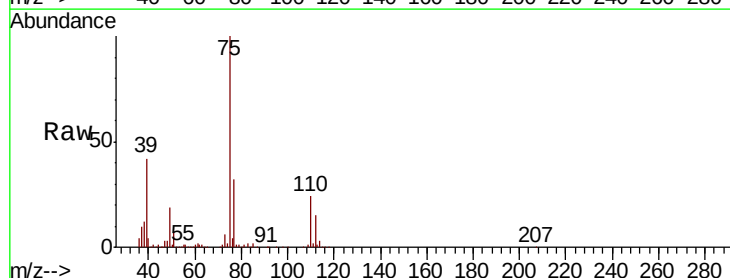
Acq: 09 Sep 2019 17:22

Tgt Ion: 75 Resp: 190494

Ion Ratio Lower Upper

75 100

77 32.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

120000

100000

80000

60000

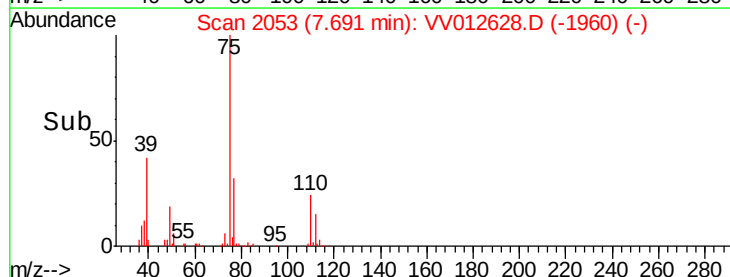
40000

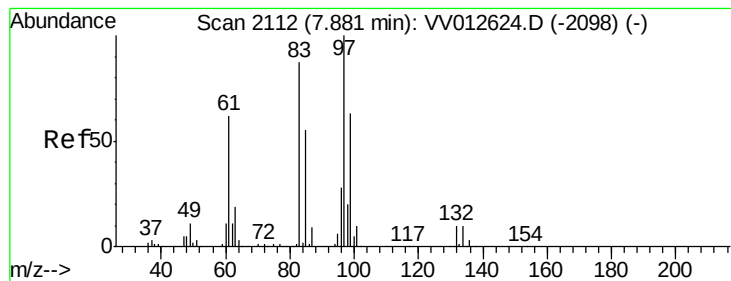
20000

0

Time-->

7.60 7.70 7.80





#45

1,1,2-Trichloroethane

Concen: 5.074 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 97 Resp: 125836

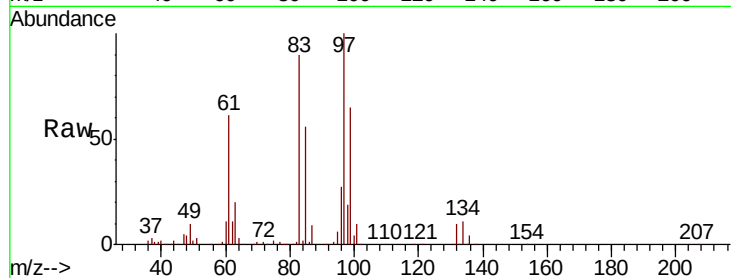
Ion Ratio Lower Upper

97 100

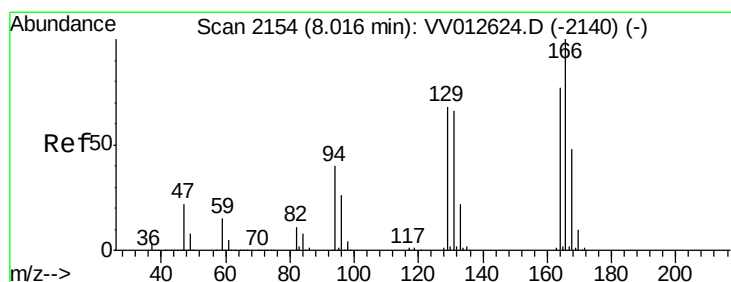
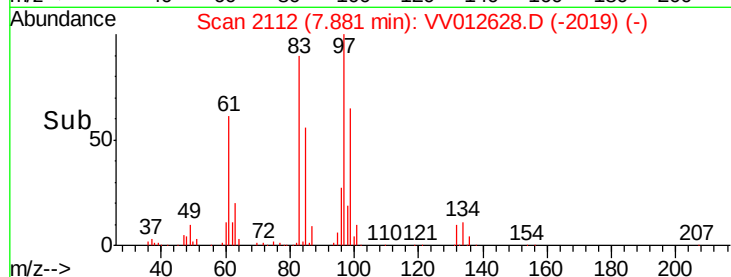
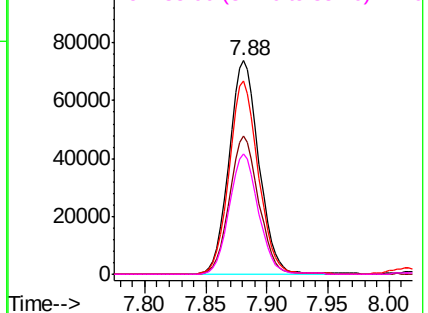
99 64.6 44.2 82.0

83 90.5 60.8 112.8

85 56.3 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: 5.222 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Tgt Ion: 164 Resp: 161942

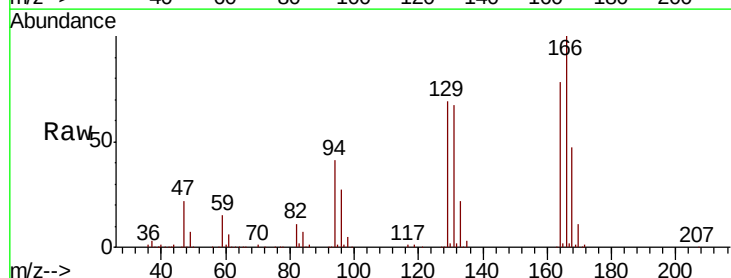
Ion Ratio Lower Upper

164 100

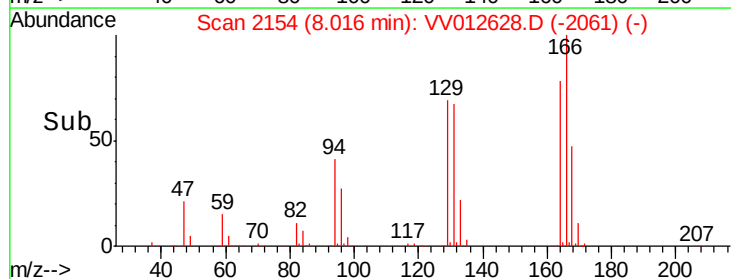
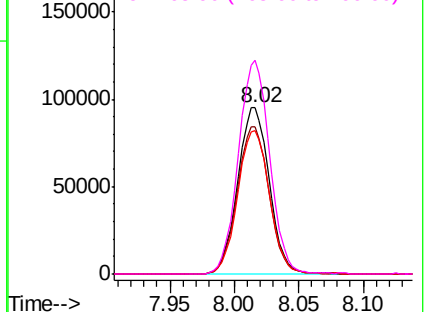
129 88.7 61.9 114.9

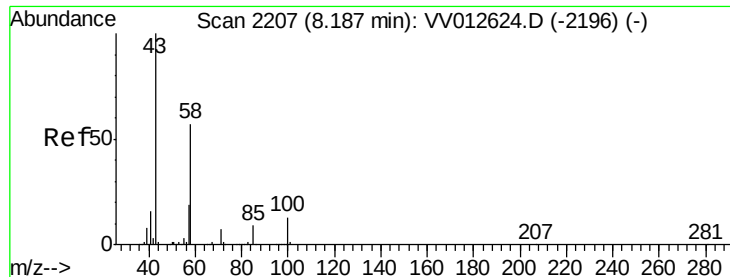
131 86.5 59.7 110.9

166 128.7 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

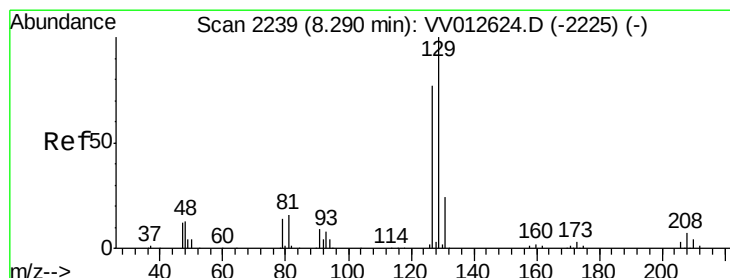
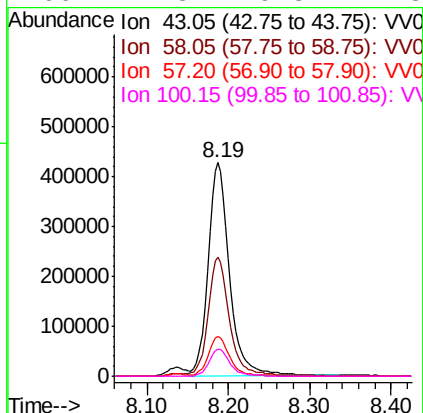
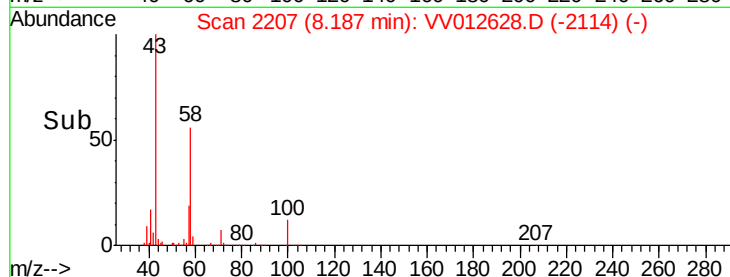
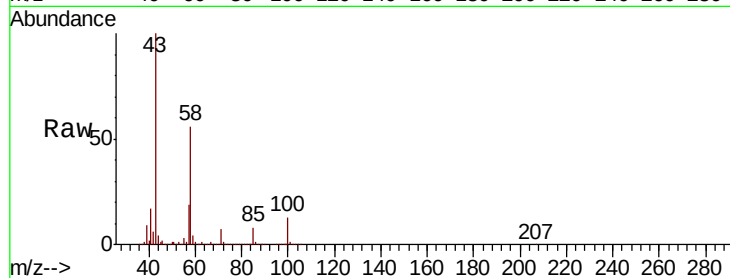




#48
2-Hexanone
Concen: 55.690 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

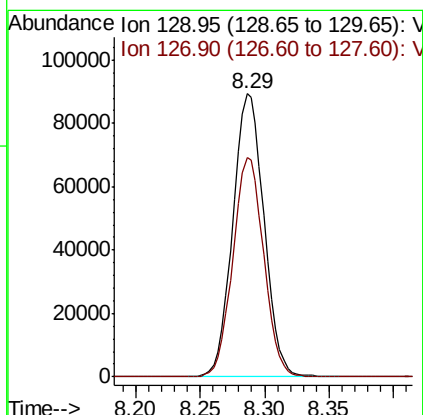
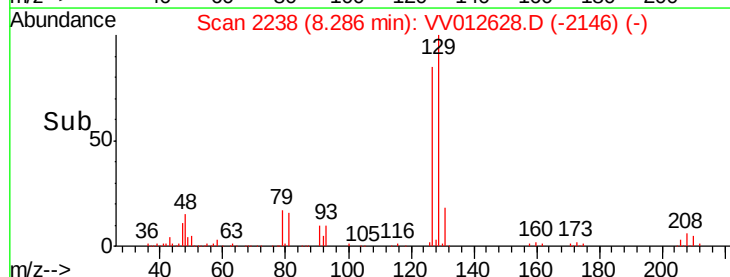
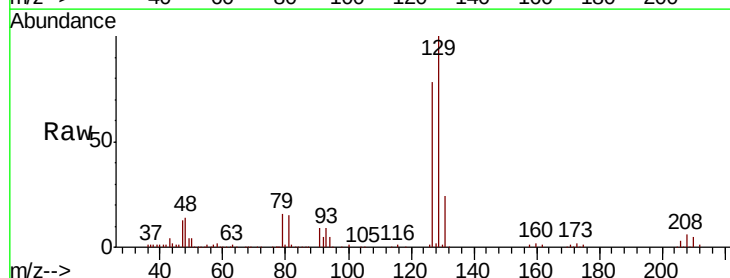
Instrument :
MSVOA_V
ClientSampleId :

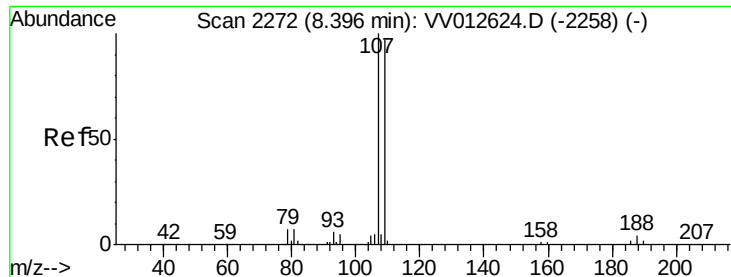
Tot Ion: 43 Resp: 786615
Ion Ratio Lower Upper
43 100
58 56.3 44.8 67.2
57 18.6 14.9 22.3
100 12.3 9.8 14.8



#49
Dibromochloromethane
Concen: 5.093 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

Tgt Ion: 129 Resp: 150238
Ion Ratio Lower Upper
129 100
127 77.6 53.5 99.5

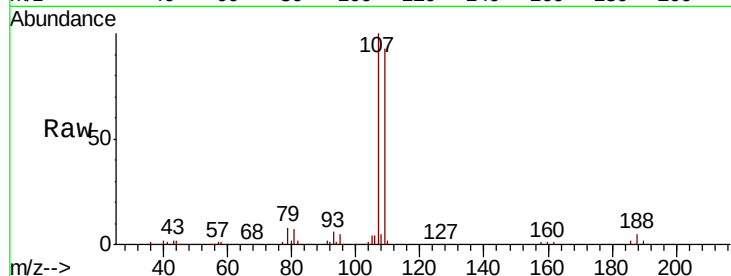




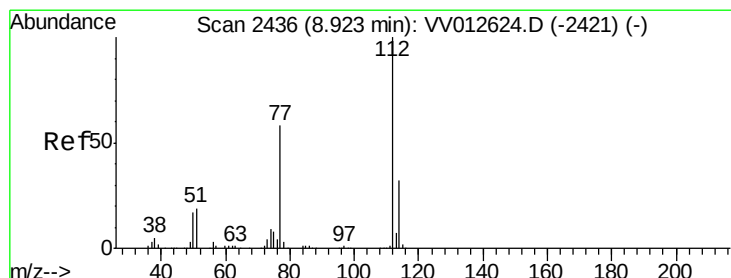
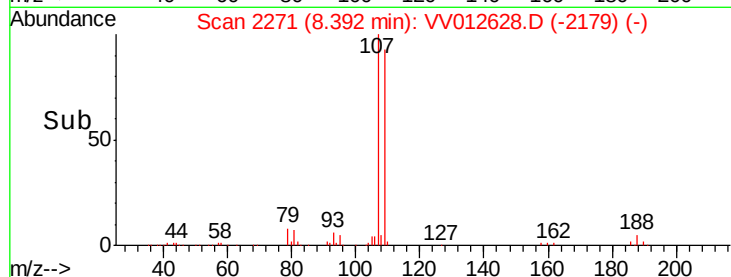
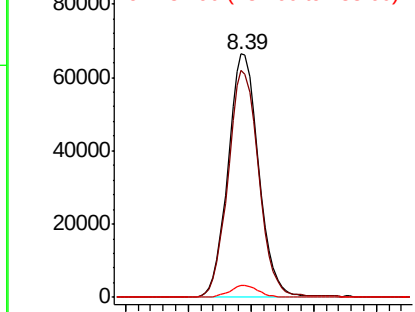
#50
 1,2-Dibromoethane
 Concen: 5.127 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	67.7	125.7
188	4.7	3.3	4.9

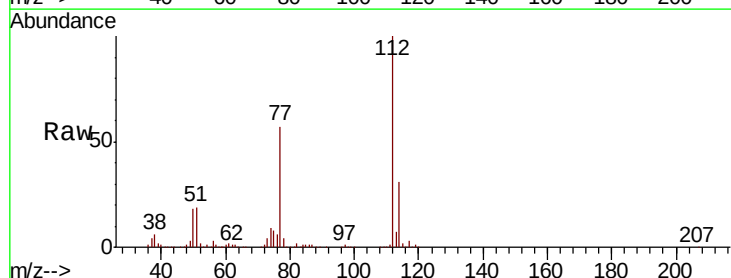


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

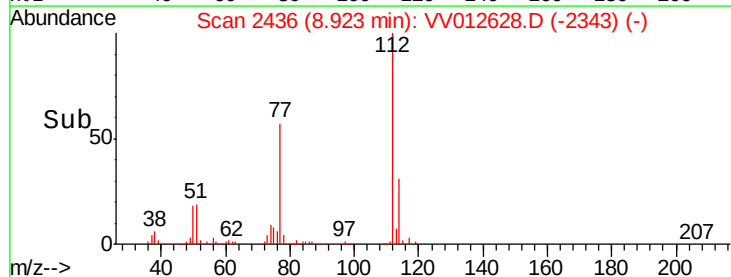
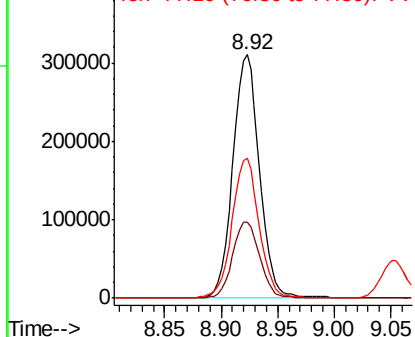


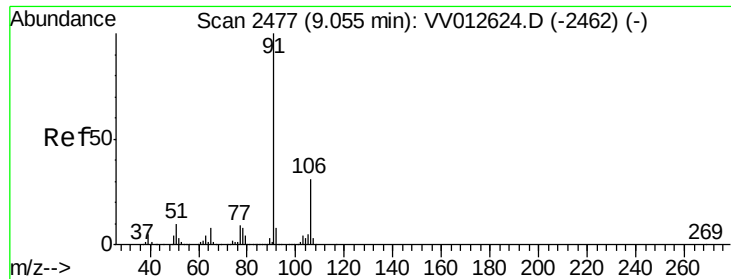
#51
 Chlorobenzene
 Concen: 5.211 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.5	41.9
77	57.4	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): V





#52

Ethylbenzene

Concen: 5.373 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

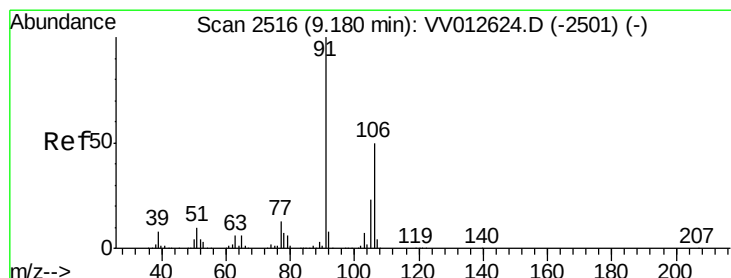
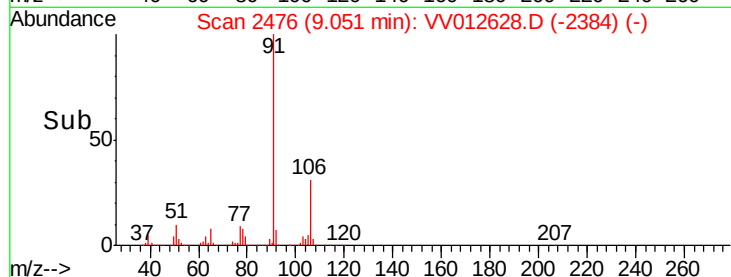
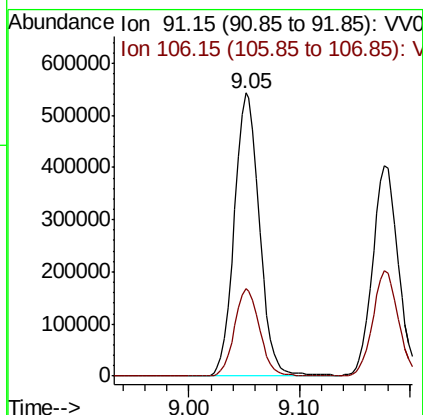
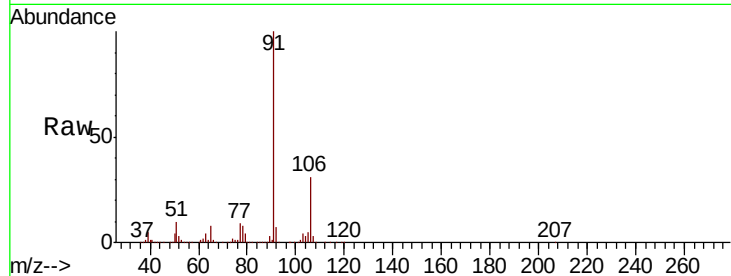
ClientSampled :

Tot Ion: 91 Resp: 858359

Ion Ratio Lower Upper

91 100

106 30.8 21.7 40.3



#53

m,p-xylene

Concen: 5.396 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012628.D

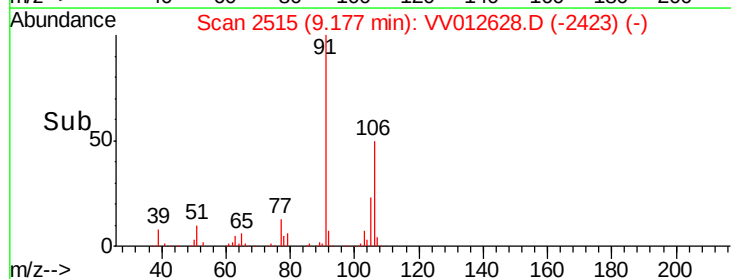
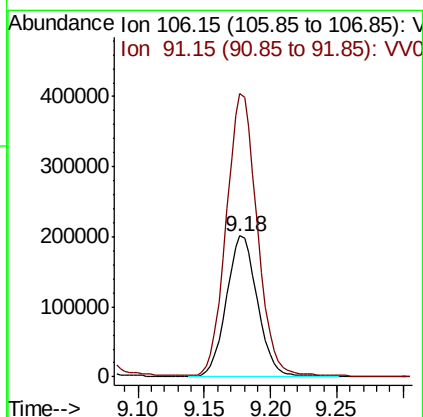
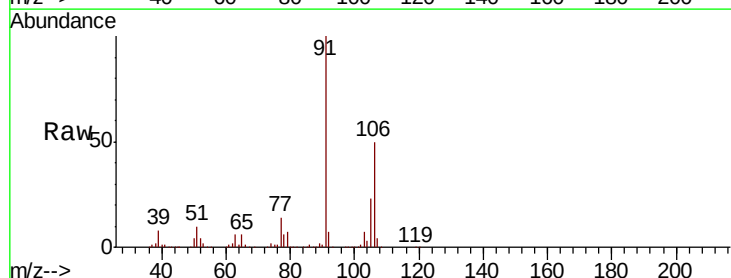
Acq: 09 Sep 2019 17:22

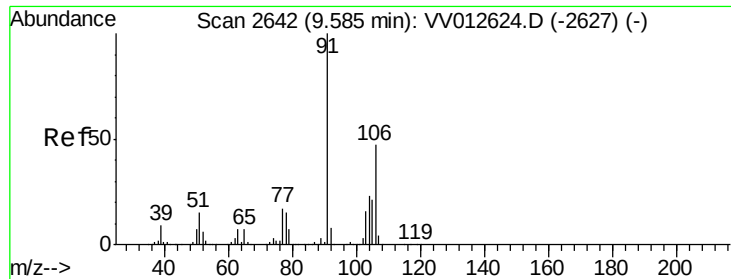
Tgt Ion: 106 Resp: 325841

Ion Ratio Lower Upper

106 100

91 200.6 140.0 260.0

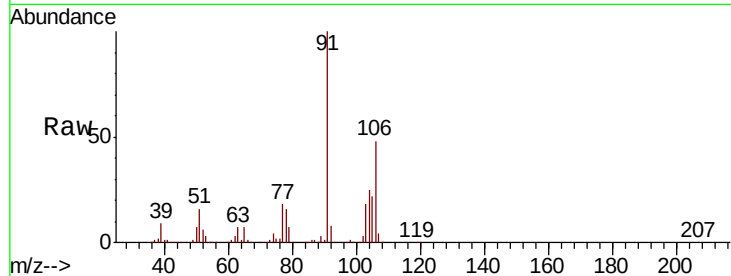




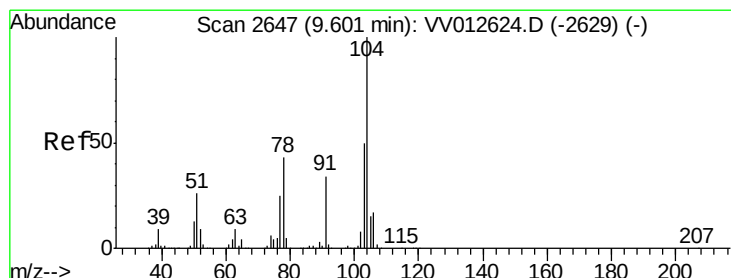
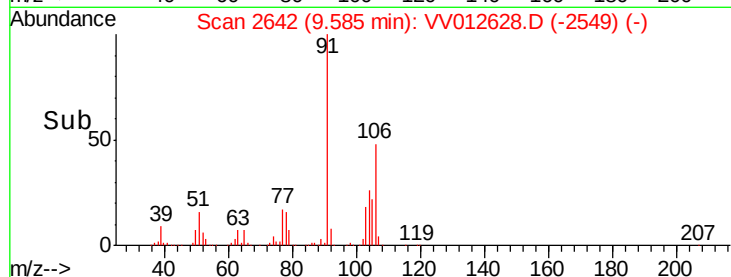
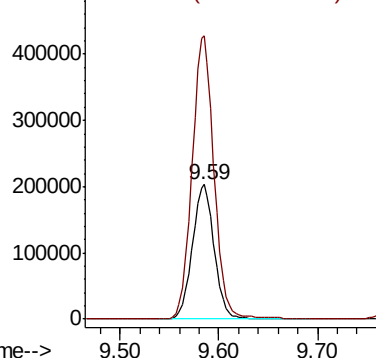
#54
o-xylene
Concen: 5.476 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:106 Resp: 316716
Ion Ratio Lower Upper
106 100
91 210.3 148.5 275.9

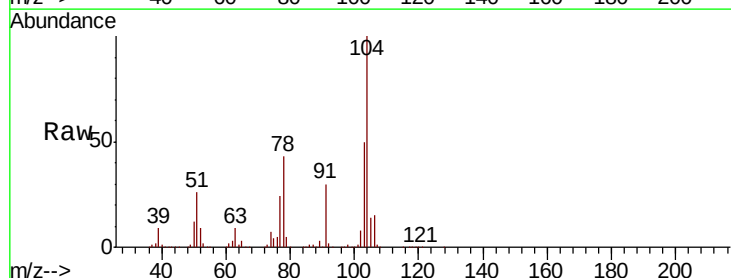


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

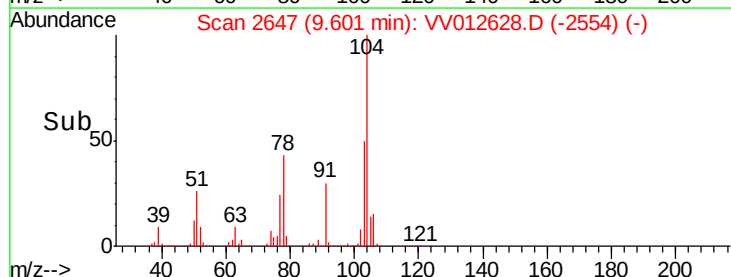
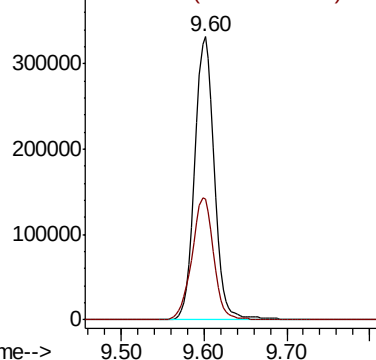


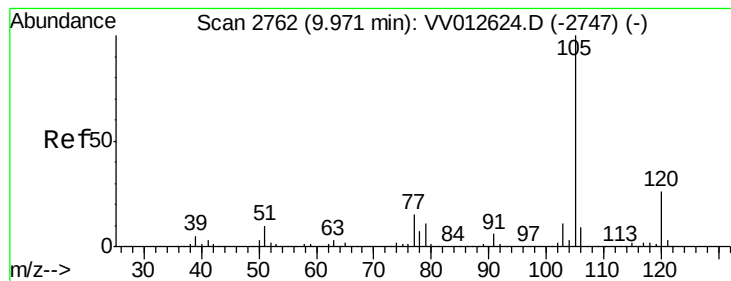
#55
Styrene
Concen: 5.620 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012628.D
Acq: 09 Sep 2019 17:22

Tgt Ion:104 Resp: 540479
Ion Ratio Lower Upper
104 100
78 42.6 30.2 56.0



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





#56

Isopropylbenzene

Concen: 5.523 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :
MSVOA_V
ClientSampleId :

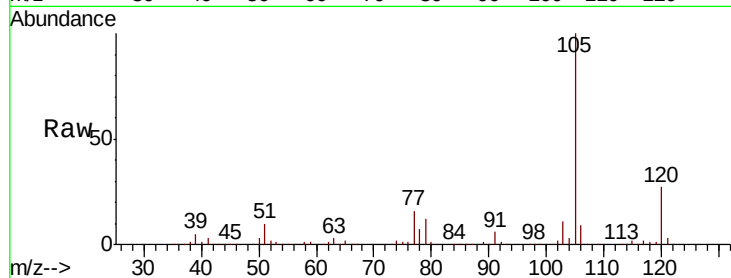
Tot Ion:105 Resp: 846171

Ion Ratio Lower Upper

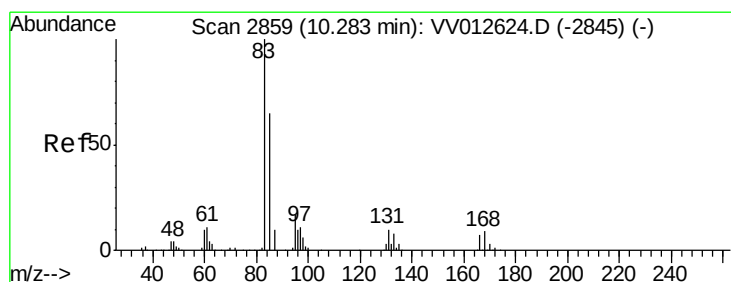
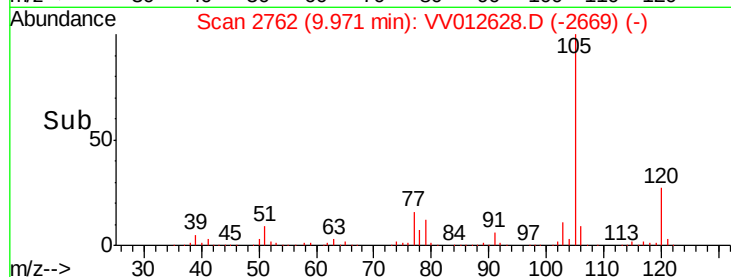
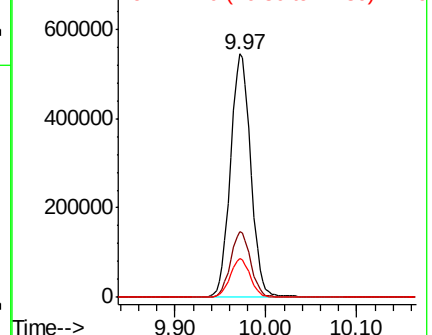
105 100

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: 5.029 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

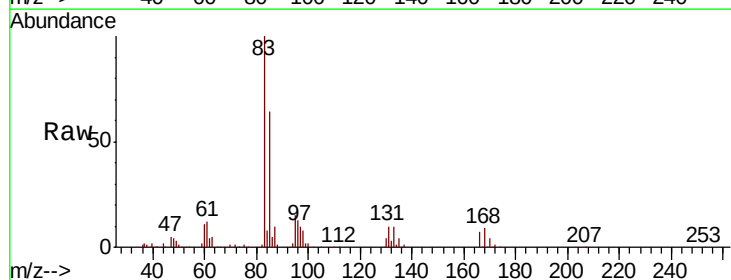
Tgt Ion: 83 Resp: 124347

Ion Ratio Lower Upper

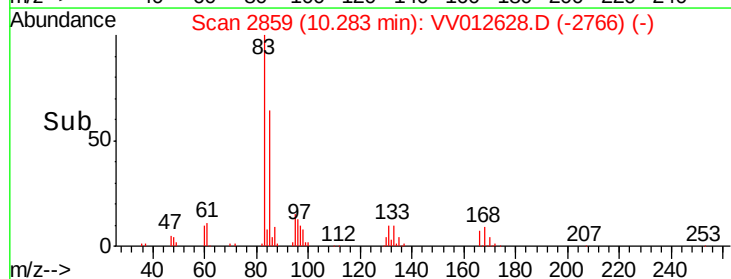
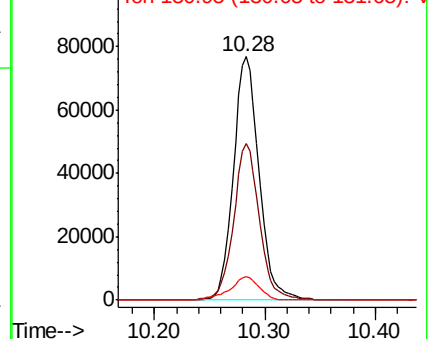
83 100

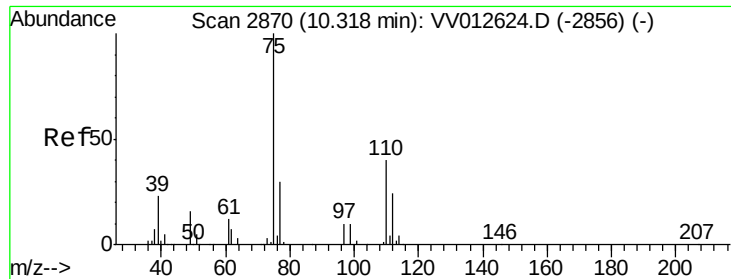
85 64.4 45.4 84.2

131 9.6 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: 5.065 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

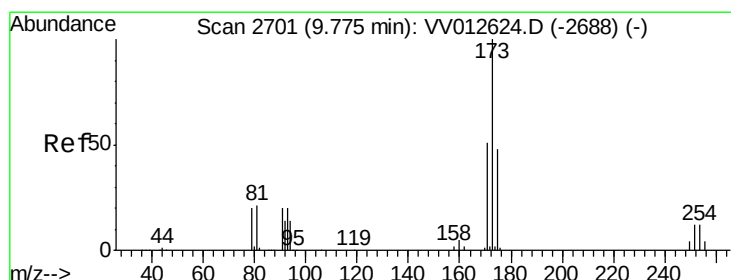
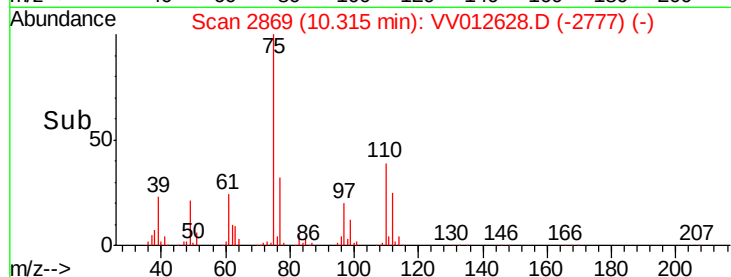
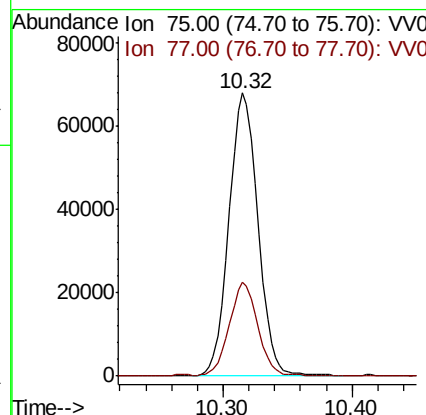
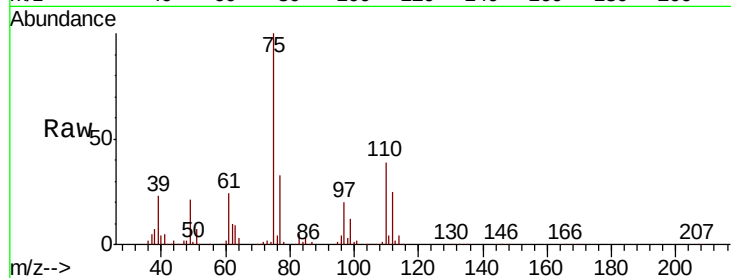
ClientSampleId :

Tot Ion: 75 Resp: 106390

Ion Ratio Lower Upper

75 100

77 31.9 24.9 37.3



#61

Bromoform

Concen: 4.769 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

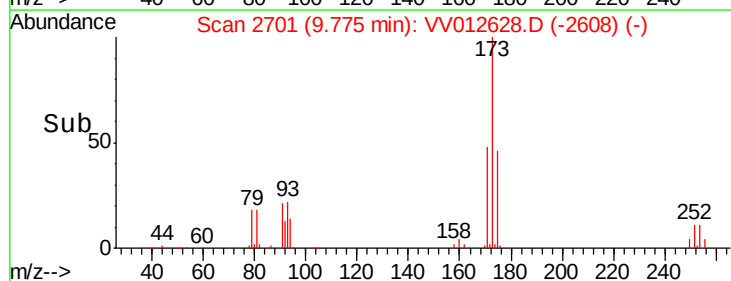
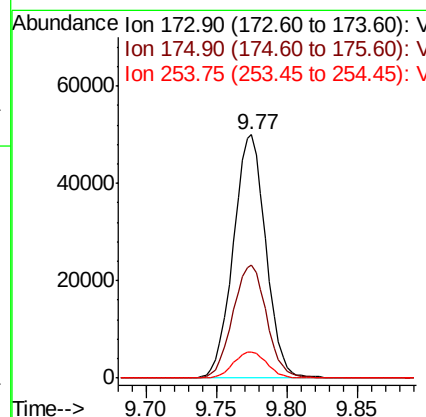
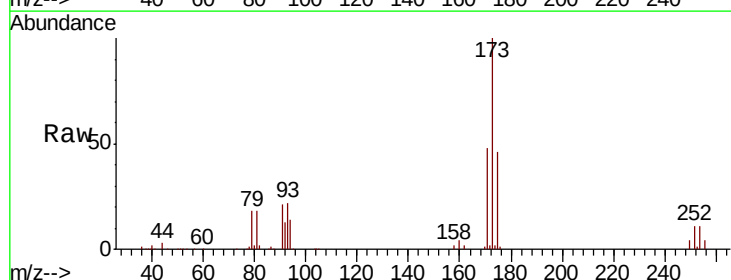
Tgt Ion: 173 Resp: 80701

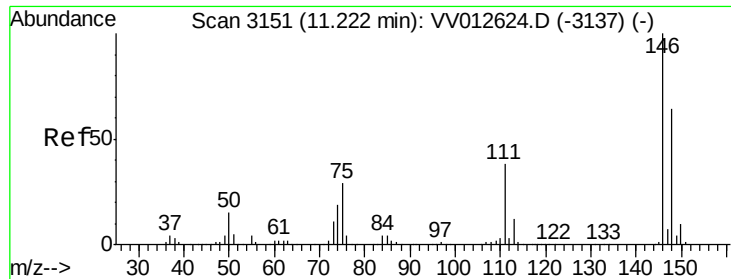
Ion Ratio Lower Upper

173 100

175 48.3 39.8 59.6

254 11.0 9.1 13.7

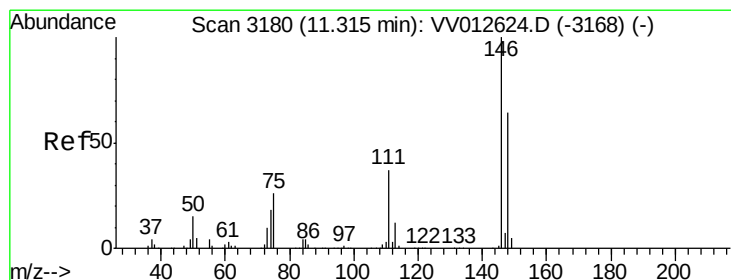
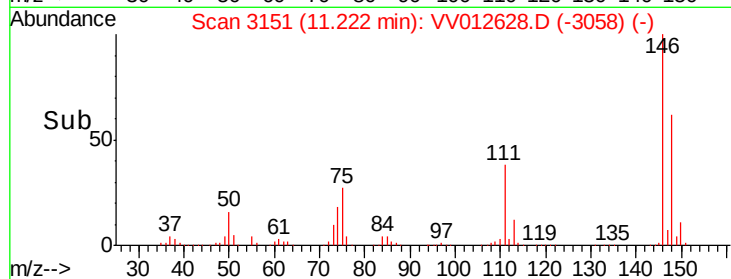
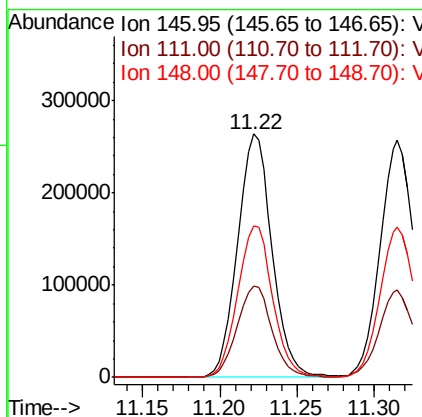
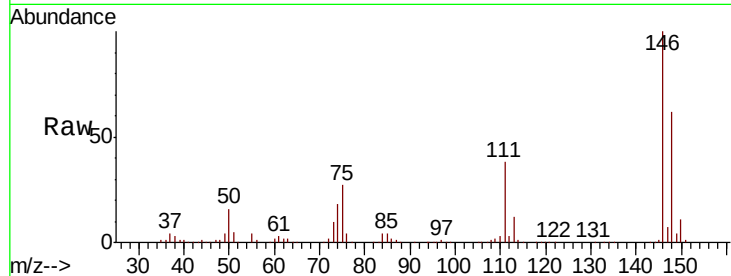




#62
 1,3-Dichlorobenzene
 Concen: 5.194 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

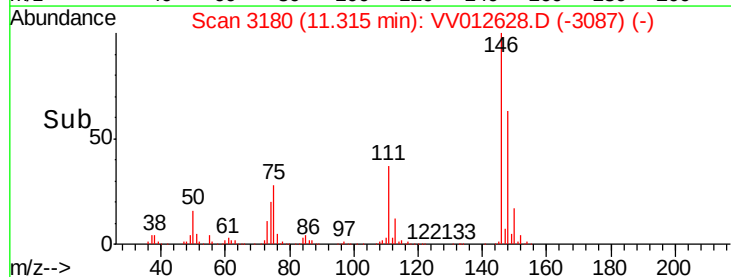
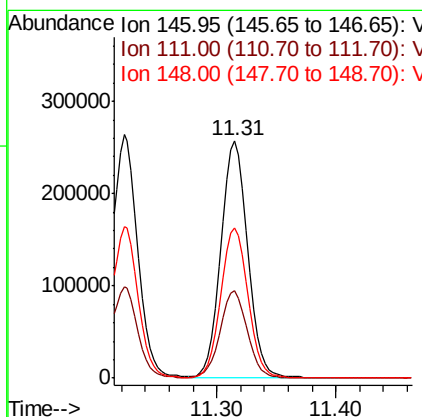
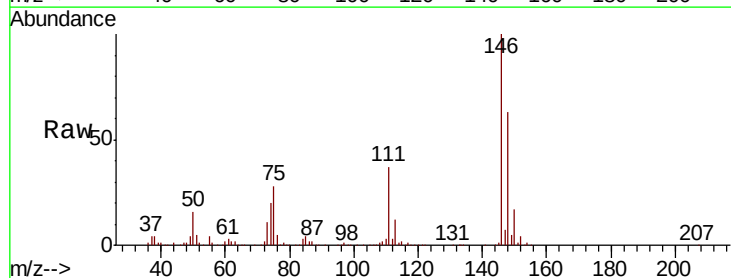
Instrument :
 MSVOA_V
 ClientSampleId :

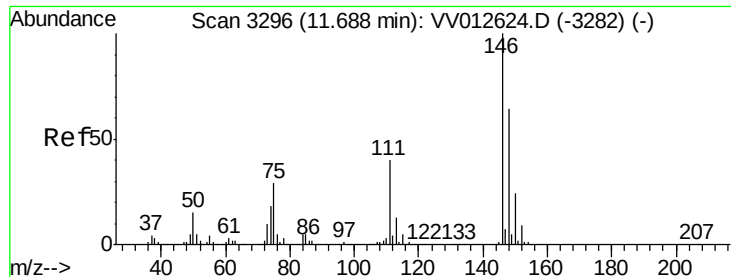
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	26.3	48.9
148	62.4	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.071 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	25.9	48.1
148	63.4	45.1	83.7





#65

1,2-Dichlorobenzene

Concen: 5.023 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

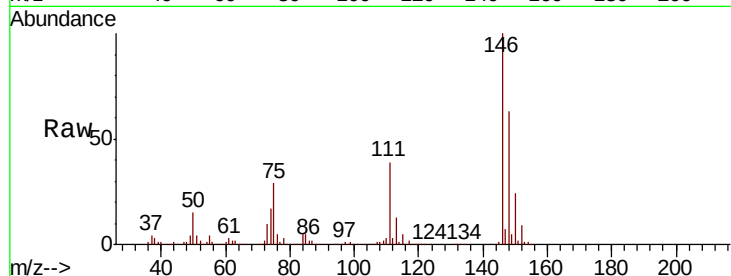
Tot Ion:146 Resp: 371860

Ion Ratio Lower Upper

146 100

111 39.3 32.2 48.4

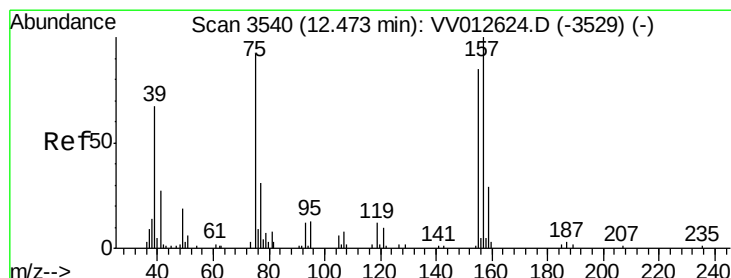
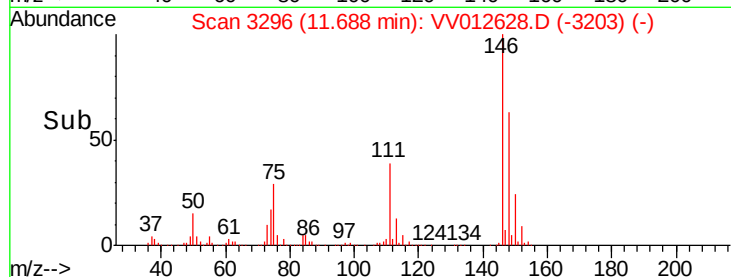
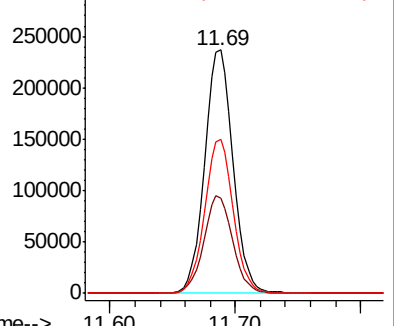
148 63.1 51.0 76.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.943 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

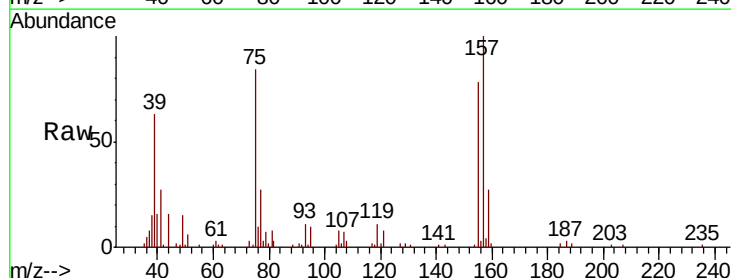
Tgt Ion: 75 Resp: 19070

Ion Ratio Lower Upper

75 100

155 92.2 74.3 111.5

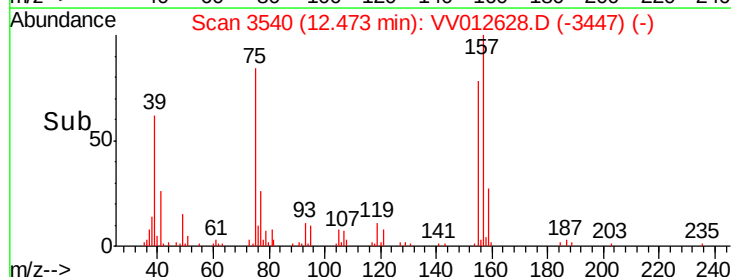
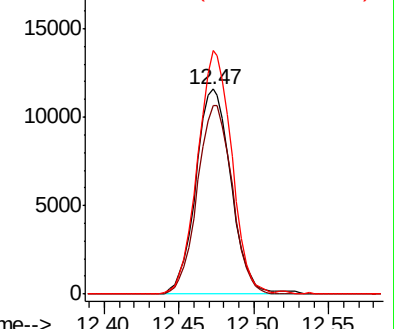
157 118.7 87.4 131.0

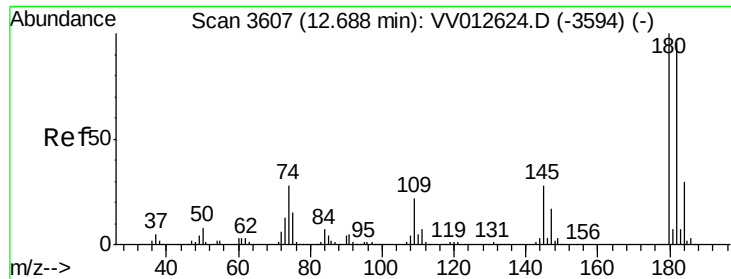


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

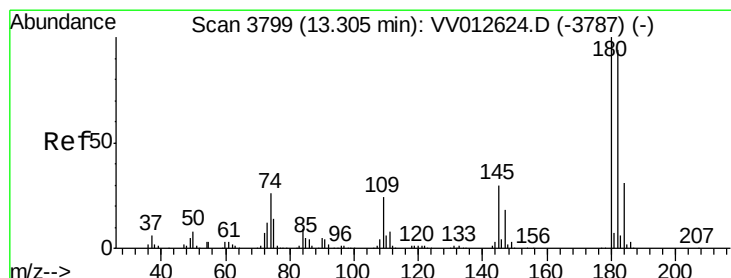
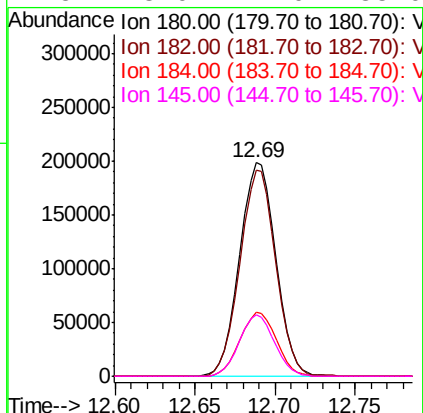
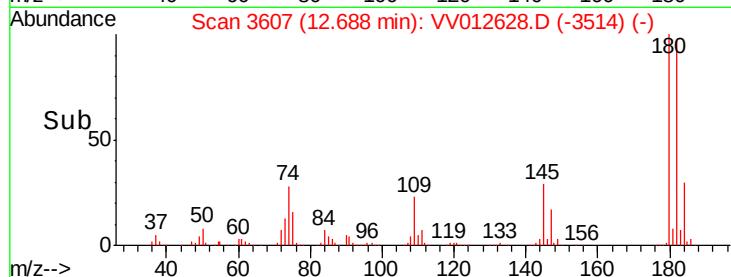
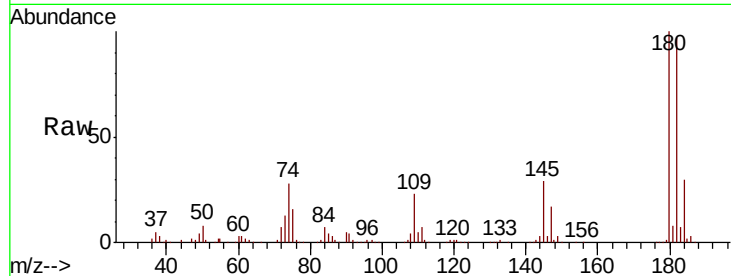




#67
 1,3,5-Trichlorobenzene
 Concen: 5.150 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

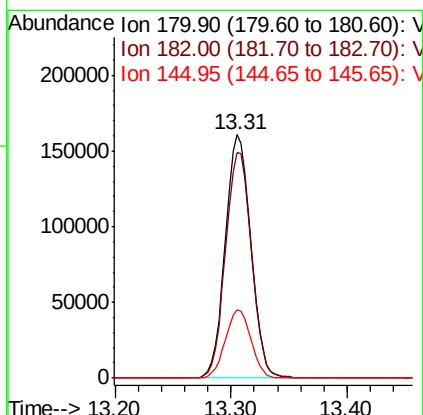
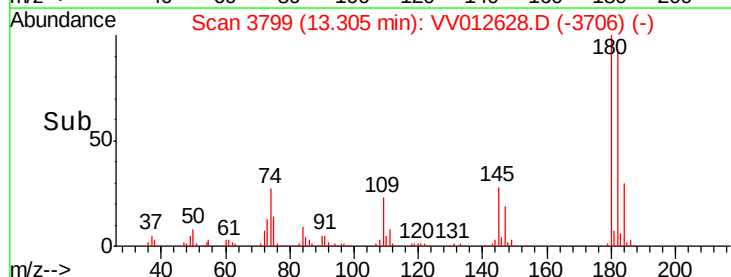
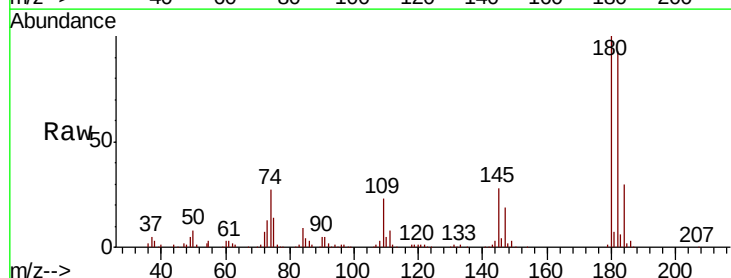
Instrument :
 MSVOA_V
 ClientSampleId :

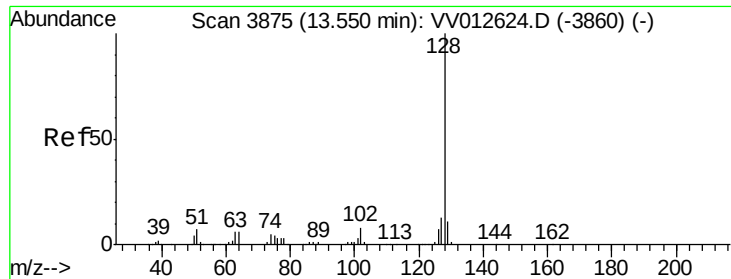
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	29.9	24.3	36.5
145	28.0	22.0	33.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.175 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012628.D
 Acq: 09 Sep 2019 17:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
145	28.1	23.2	34.8





#69

Naphthalene

Concen: 5.133 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

Instrument :

MSVOA_V

ClientSampleId :

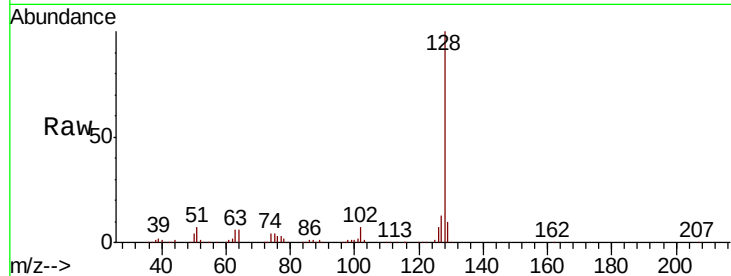
Tot Ion:128 Resp: 365862

Ion Ratio Lower Upper

128 100

129 10.5 8.7 13.1

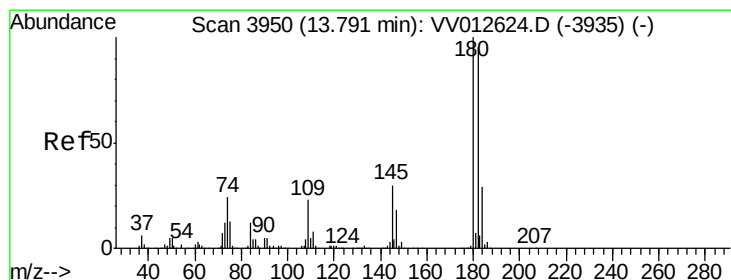
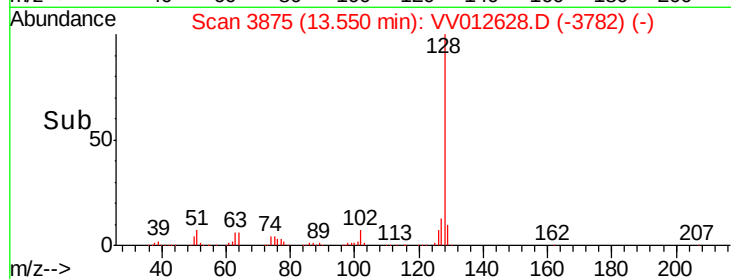
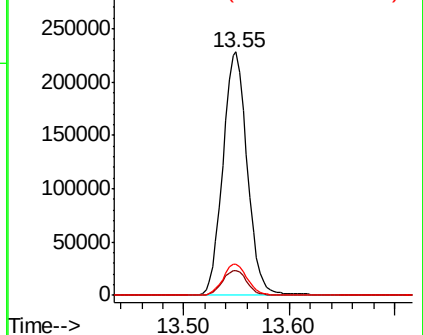
127 12.8 10.2 15.4



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: 5.270 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012628.D

Acq: 09 Sep 2019 17:22

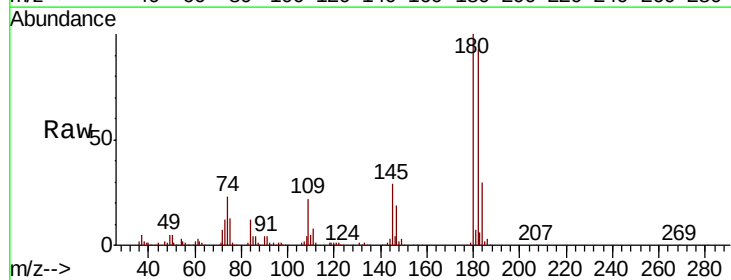
Tgt Ion:180 Resp: 234270

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.6

145 29.8 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

