

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
 Data File : VV013195.D
 Acq On : 18 Oct 2019 02:59
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 18 03:43:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR101719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	484146	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	528927	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	309215	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	254232	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	193063	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.13	63	367076	4.97	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	3.96	46	462565	45.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.78%
24) Chloroform-d	4.40	84	442745	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.08	65	215880	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	5.10	84	880700	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	6.12	67	269446	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	829008	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	7.66	79	95682	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.13	63	448752	53.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	212544	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	298926	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	295256	4.808	ug/L 98
3) Chloromethane	1.25	50	314447	4.882	ug/L 100
5) Vinyl chloride	1.32	62	299741	4.801	ug/L 99
6) Bromomethane	1.54	94	175185	4.764	ug/L 100
8) Chloroethane	1.60	64	163411	4.977	ug/L 98
9) Trichlorofluoromethane	1.77	101	370163	4.757	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	204384	4.863	ug/L 99
12) 1,1-Dichloroethene	2.14	96	196374	4.939	ug/L 95
13) Acetone	2.22	43	251013	38.194	ug/L 98
14) Carbon disulfide	2.32	76	684964	4.781	ug/L 98
15) Methyl Acetate	2.47	43	67441	4.288	ug/L 94
16) Methylene chloride	2.54	84	250484	4.073	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	508679	5.288	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	243231	4.788	ug/L 98
19) 1,1-Dichloroethane	3.23	63	443872	4.838	ug/L 98
21) 2-Butanone	4.04	43	479370	46.143	ug/L 84
22) cis-1,2-Dichloroethene	3.96	96	254444	4.883	ug/L 96

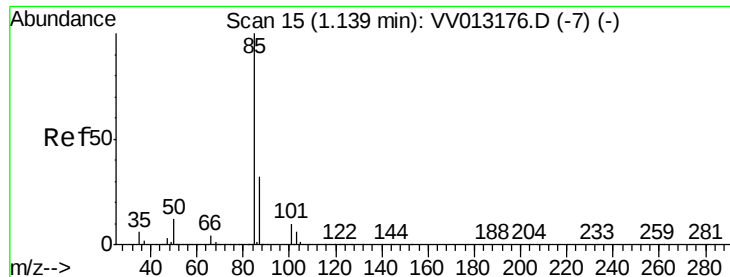
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101719\
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 QLast Update : Fri Oct 18 03:32:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	112906	5.010	ug/L	99
25) Chloroform	4.43	83	463522	4.761	ug/L	98
27) 1,2-Dichloroethane	5.18	62	262171	4.926	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	371465	4.710	ug/L	99
30) Cyclohexane	4.72	56	395188	4.653	ug/L	99
31) Carbon tetrachloride	4.87	117	331968	4.663	ug/L	99
33) Benzene	5.15	78	1003676	4.771	ug/L	100
34) Trichloroethene	5.96	95	257960	4.764	ug/L	99
35) Methylcyclohexane	6.17	83	385847	4.463	ug/L	98
37) 1,2-Dichloropropane	6.22	63	245120	4.785	ug/L	99
38) Bromodichloromethane	6.55	83	310275	4.759	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	325063	4.631	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1499787	52.858	ug/L	99
42) Toluene	7.43	91	1086843	4.965	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	253500	4.746	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	173722	4.890	ug/L	97
47) Tetrachloroethene	8.02	164	220477	4.573	ug/L	97
48) 2-Hexanone	8.18	43	1173043	56.914	ug/L	99
49) Dibromochloromethane	8.29	129	211598	4.945	ug/L	97
50) 1,2-Dibromoethane	8.40	107	160661	4.886	ug/L	100
51) Chlorobenzene	8.92	112	676443	4.827	ug/L	97
52) Ethylbenzene	9.05	91	1109693	4.770	ug/L	99
53) m,p-xylene	9.18	106	430117	4.897	ug/L	100
54) o-xylene	9.59	106	415231	4.887	ug/L	99
55) Styrene	9.60	104	705267	5.009	ug/L	98
56) Isopropylbenzene	9.97	105	1079423	4.837	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	200909	4.601	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	156669	5.149	ug/L	99
61) Bromoform	9.77	173	120196	4.850	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	529499	4.670	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	519755	4.631	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	494857	4.694	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	30706	4.437	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	339488	4.244	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	285717	4.167	ug/L	98
69) Naphthalene	13.55	128	441093	4.410	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	292580	4.474	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 4.808 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

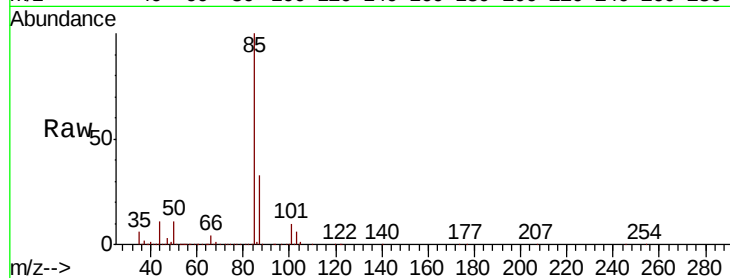
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 295256

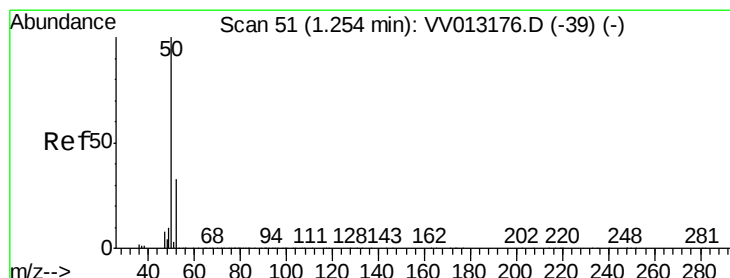
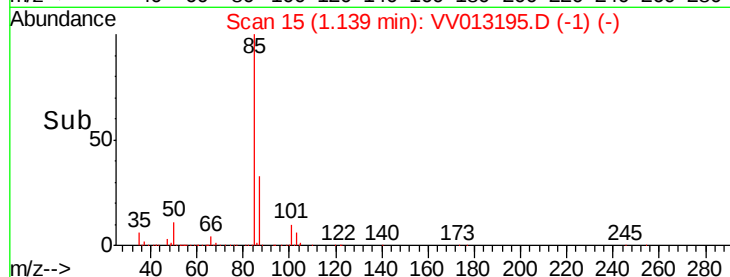
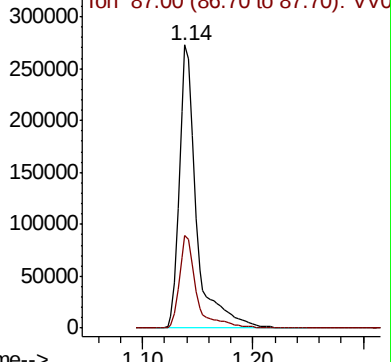
Ion Ratio Lower Upper

85 100

87 32.9 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV013195.D (-1) (-)



#3

Chloromethane

Concen: 4.882 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013195.D

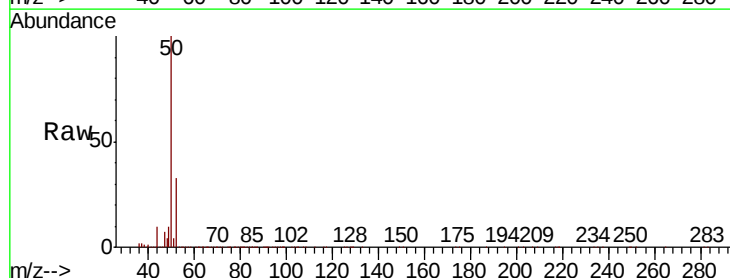
Acq: 18 Oct 2019 02:59

Tgt Ion: 50 Resp: 314447

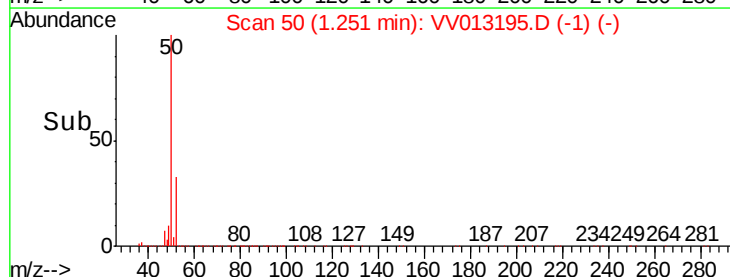
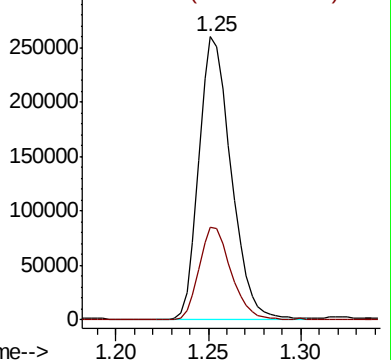
Ion Ratio Lower Upper

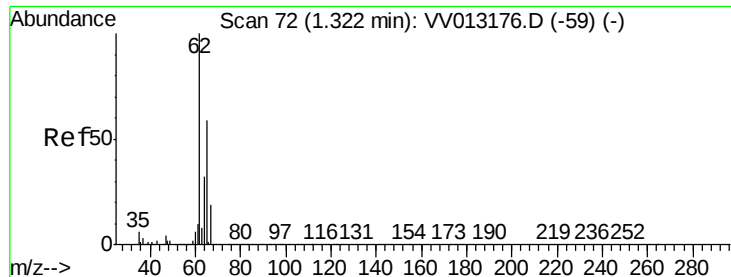
50 100

52 33.0 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV013195.D (-1) (-)





#5

Vinyl chloride

Concen: 4.801 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

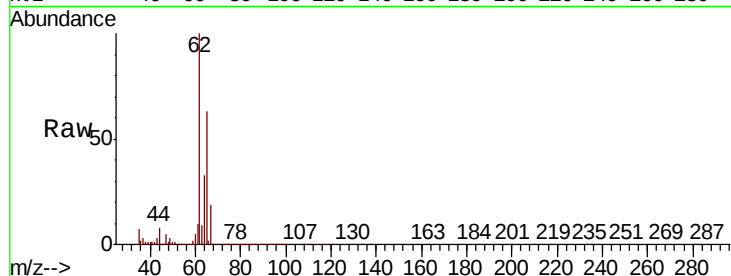
Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 299741

Ion	Ratio	Lower	Upper
62	100		
64	32.9	22.7	42.3

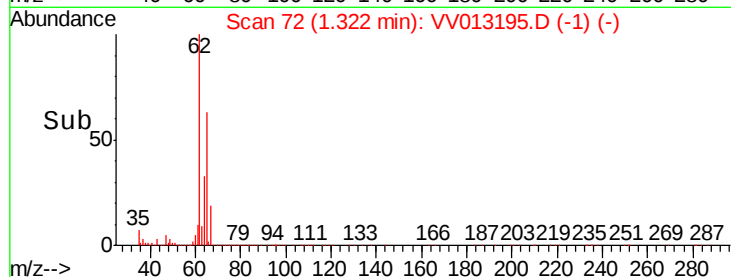


Abundance Ion 62.00 (61.70 to 62.70): VV0

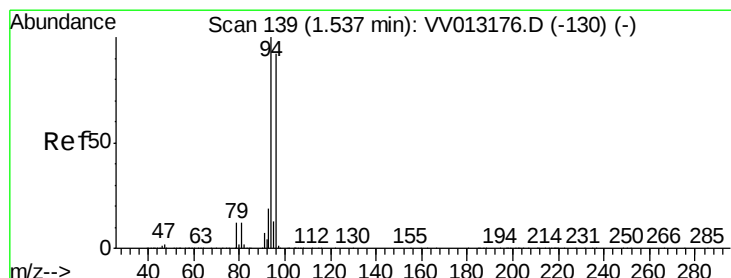
Ion 64.10 (63.80 to 64.80): VV0

1.32

Time-->



Time-->



#6

Bromomethane

Concen: 4.764 ug/L

RT: 1.54 min Scan# 139

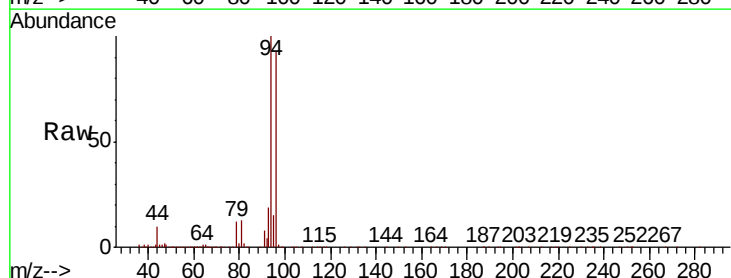
Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Tgt Ion: 94 Resp: 175185

Ion	Ratio	Lower	Upper
94	100		
96	92.8	64.6	120.0

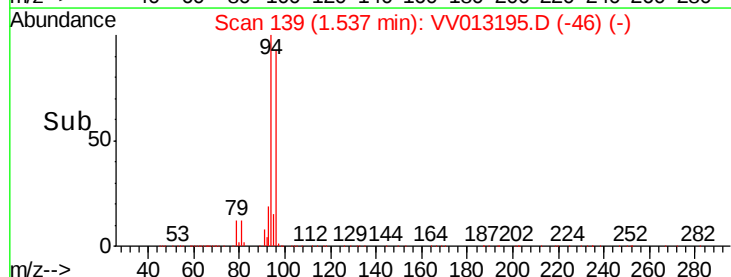


Abundance Ion 94.00 (93.70 to 94.70): VV0

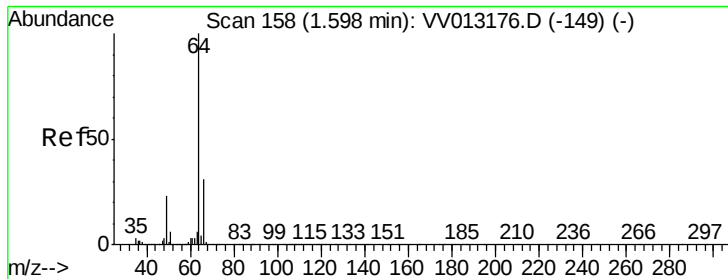
Ion 96.00 (95.70 to 96.70): VV0

1.54

Time-->



Time-->



#8

Chloroethane

Concen: 4.977 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

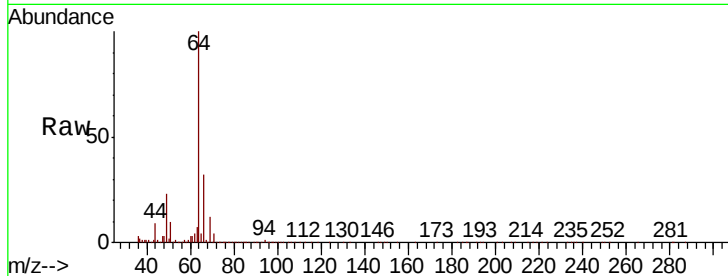
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 64 Resp: 163411

Ion Ratio Lower Upper

64 100

66 32.0 21.6 40.2



Abundance Ion 64.10 (63.80 to 64.80): VV013176.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV013195.D (-65) (-)

1.60

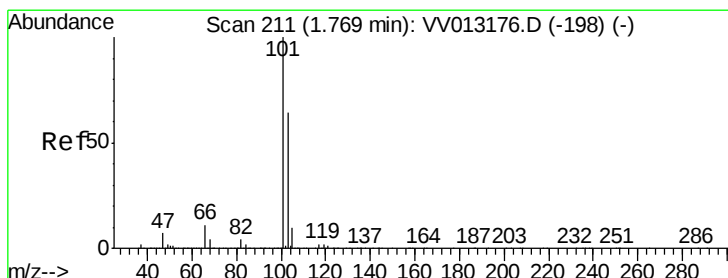
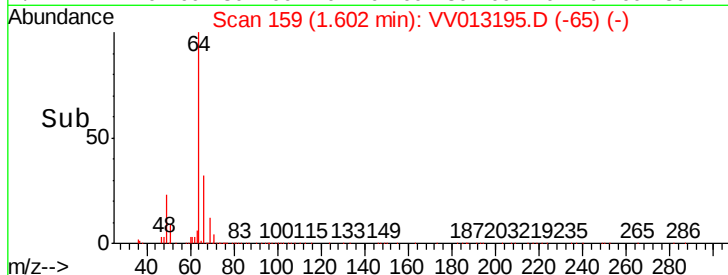
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 4.757 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV013195.D

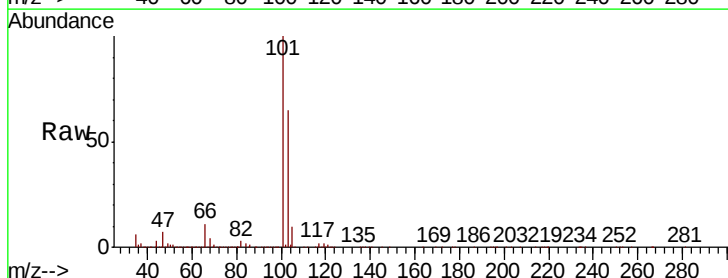
Acq: 18 Oct 2019 02:59

Tgt Ion: 101 Resp: 370163

Ion Ratio Lower Upper

101 100

103 65.4 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV013176.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV013195.D (-118) (-)

1.77

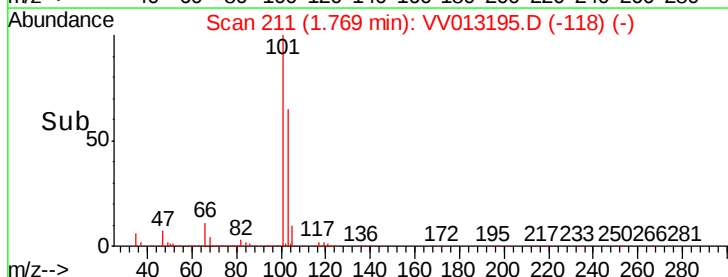
300000

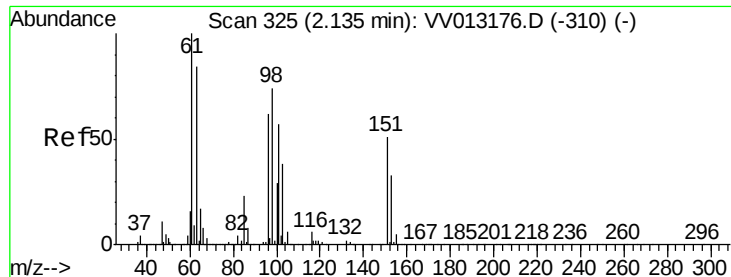
200000

100000

0

Time-->





#10

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

Concen: 4.863 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

ClientSampleId :

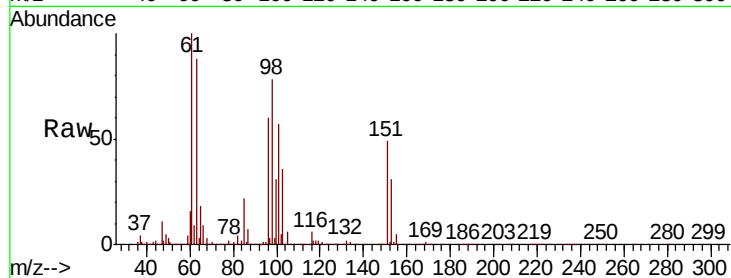
Tot Ion:101 Resp: 204384

Ion Ratio Lower Upper

101 100

85 40.2 32.4 48.6

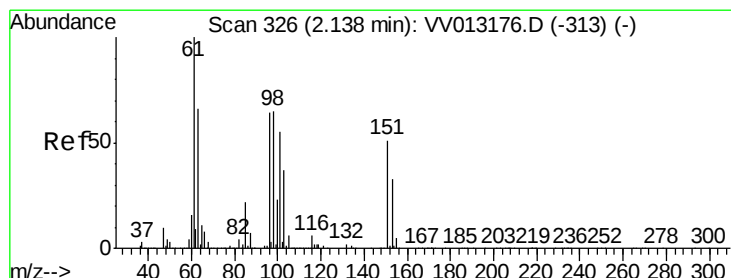
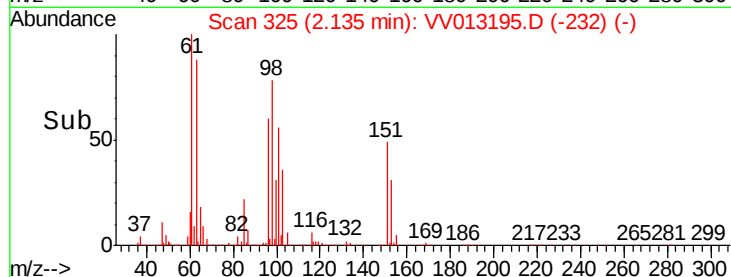
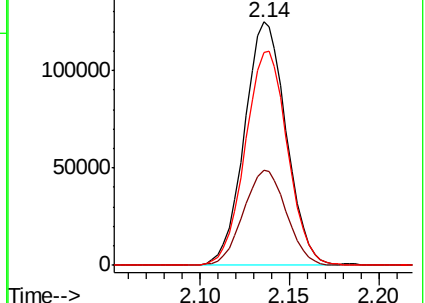
151 88.9 71.9 107.9



Abundance Ion 101.00 (100.70 to 101.70): VV013195.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013195.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013195.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 4.939 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

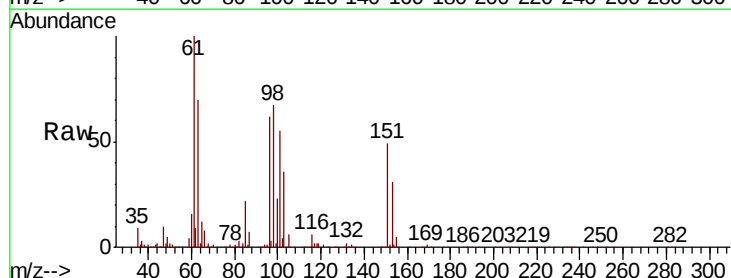
Tgt Ion: 96 Resp: 196374

Ion Ratio Lower Upper

96 100

61 160.6 109.8 204.0

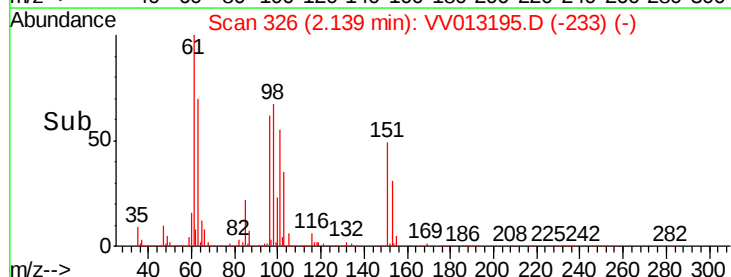
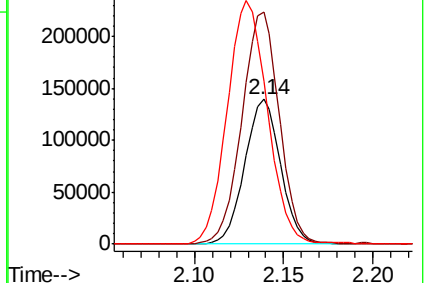
63 112.6 72.6 134.8

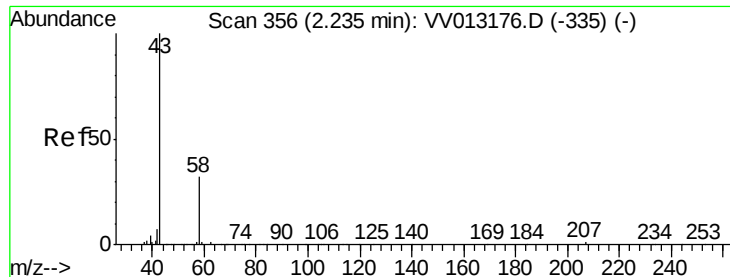


Abundance Ion 96.00 (95.70 to 96.70): VV013195.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013195.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013195.D (-233) (-)





#13

Acetone

Concen: 38.194 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.02 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

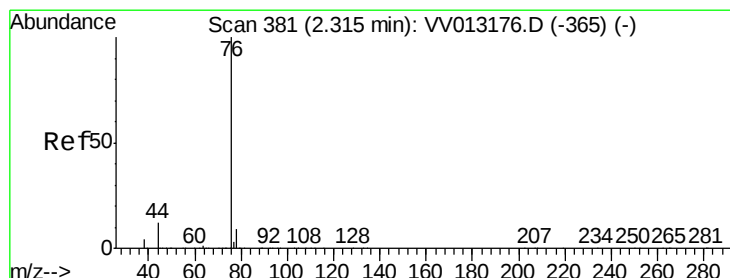
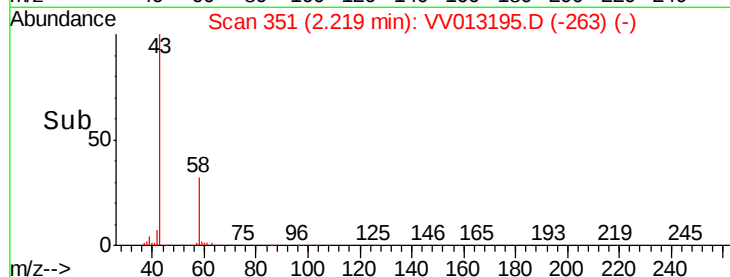
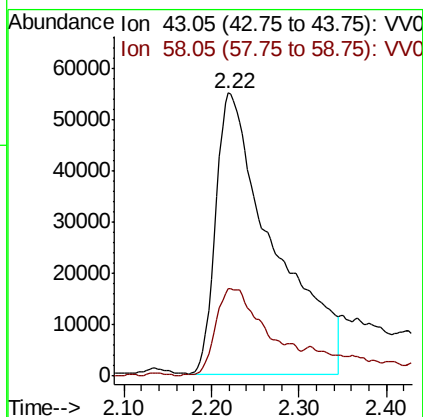
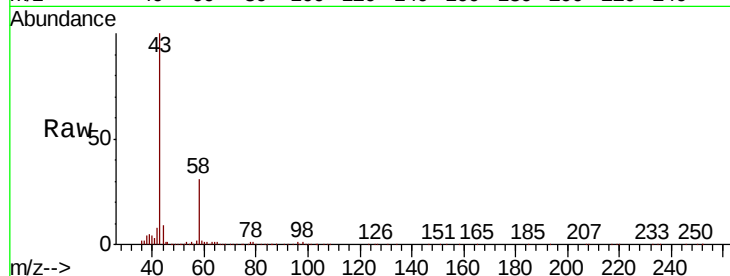
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 251013

Ion Ratio Lower Upper

43 100

58 25.0 0.0 52.4



#14

Carbon disulfide

Concen: 4.781 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013195.D

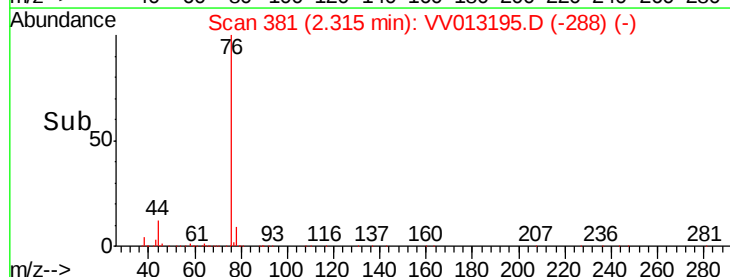
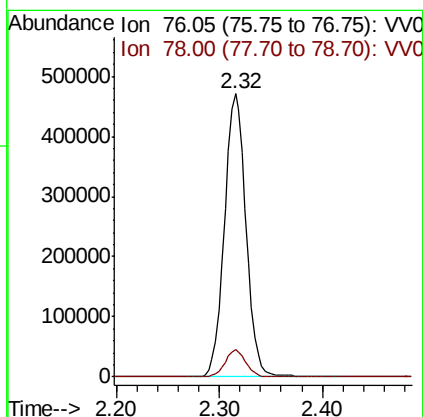
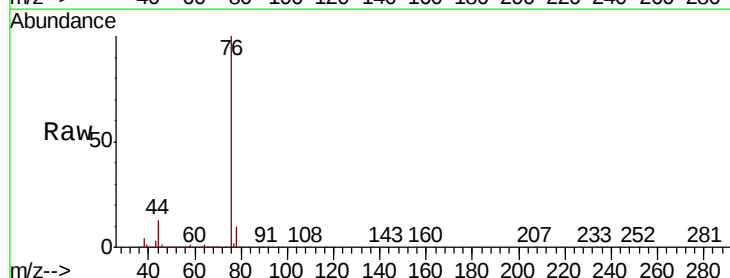
Acq: 18 Oct 2019 02:59

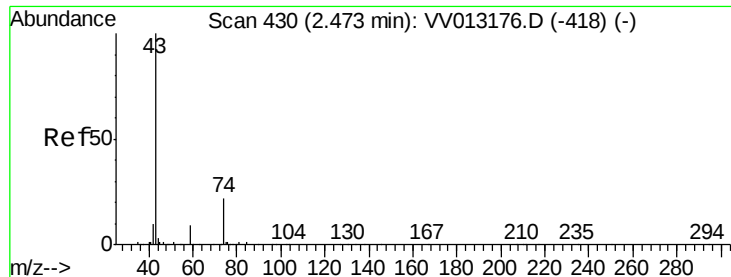
Tgt Ion: 76 Resp: 684964

Ion Ratio Lower Upper

76 100

78 9.6 7.1 10.7





#15

Methyl Acetate

Concen: 4.288 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

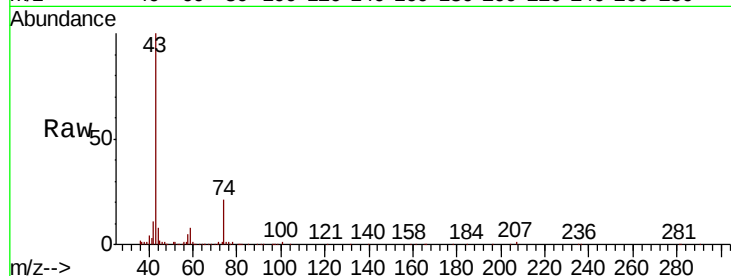
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 67441

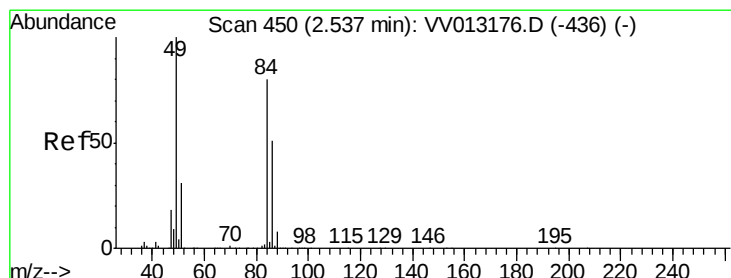
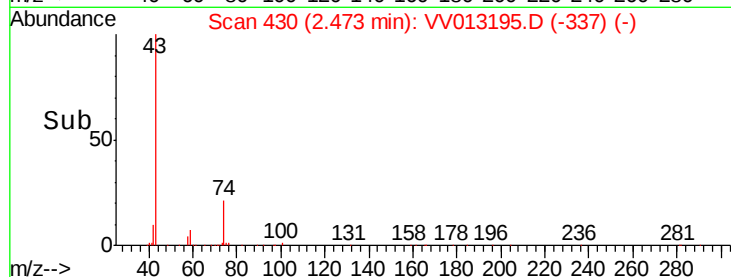
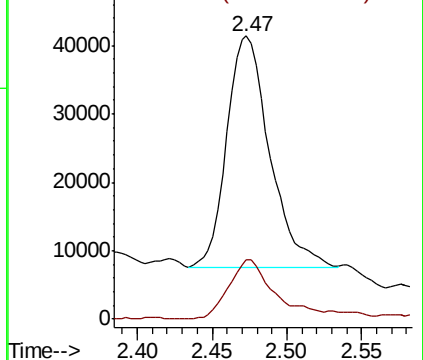
Ion Ratio Lower Upper

43 100

74 29.1 20.7 31.1



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.073 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

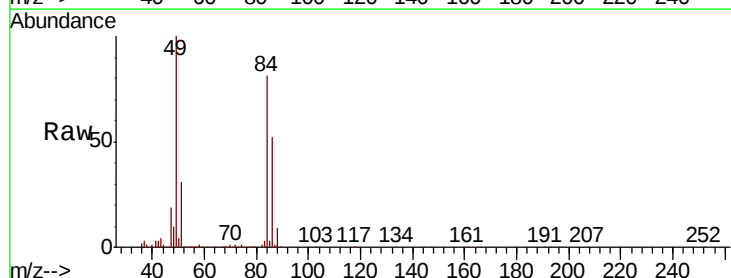
Tgt Ion: 84 Resp: 250484

Ion Ratio Lower Upper

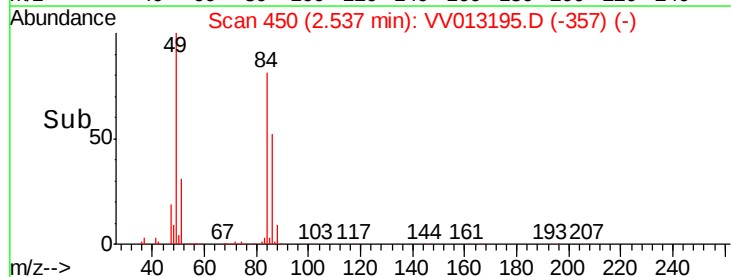
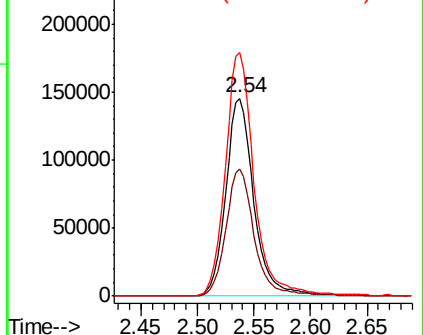
84 100

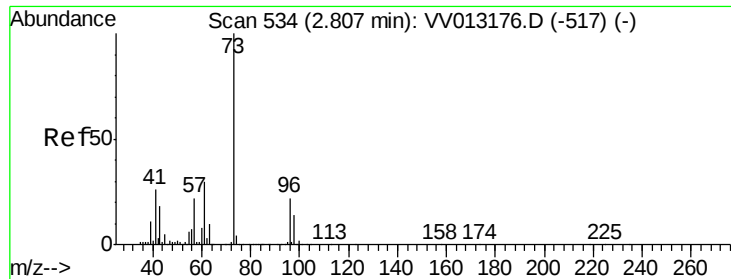
86 64.5 44.5 82.7

49 123.2 87.3 162.1



Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

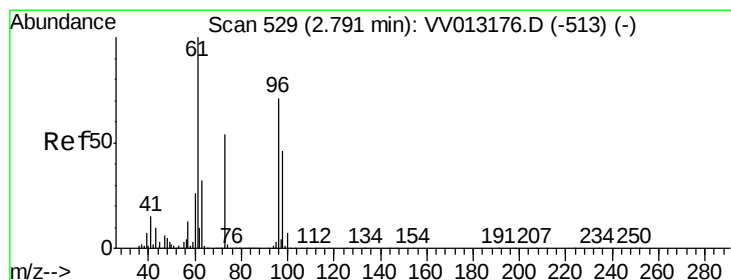
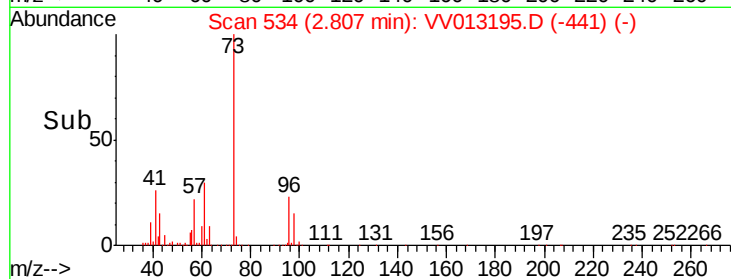
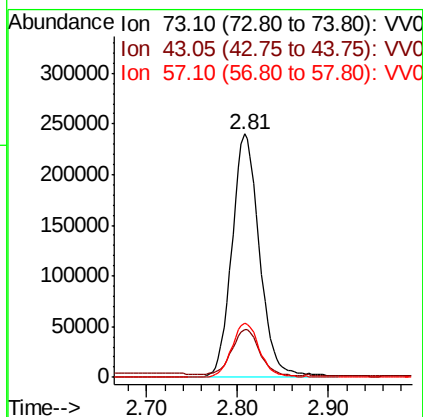
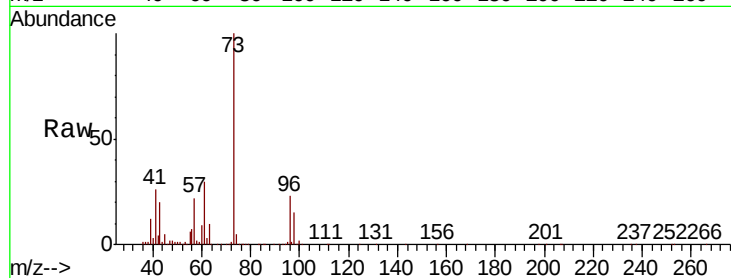




#17
Methvl tert-butvl Ether
Concen: 5.288 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

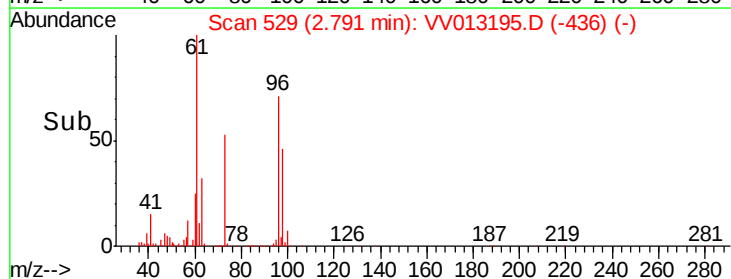
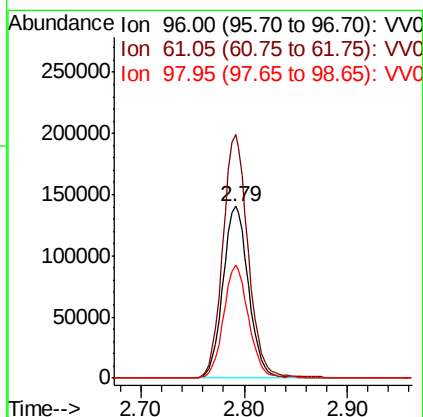
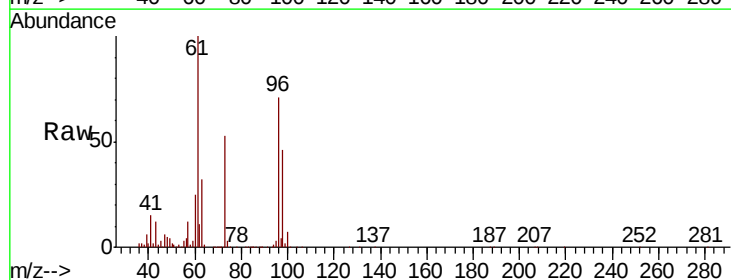
Instrument :
MSVOA_V
ClientSampleId :

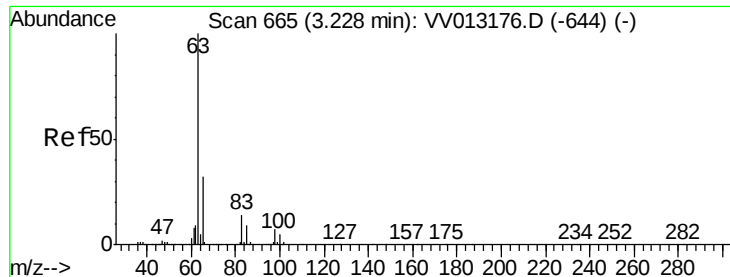
Tot Ion: 73 Resp: 508679
Ion Ratio Lower Upper
73 100
43 18.6 14.6 22.0
57 22.2 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.788 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Tgt Ion: 96 Resp: 243231
Ion Ratio Lower Upper
96 100
61 141.8 98.1 182.1
98 65.8 44.9 83.5

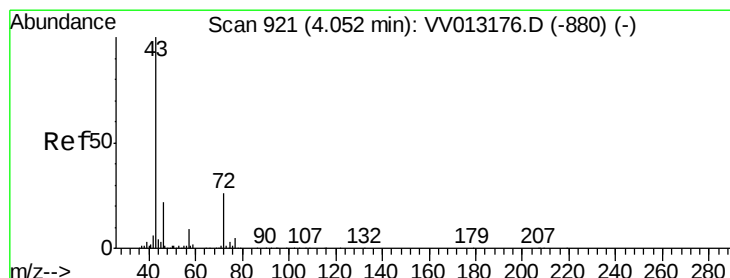
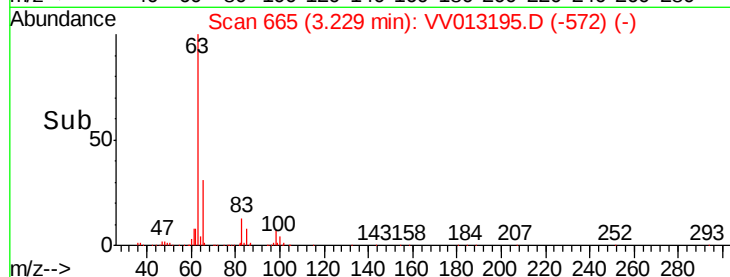
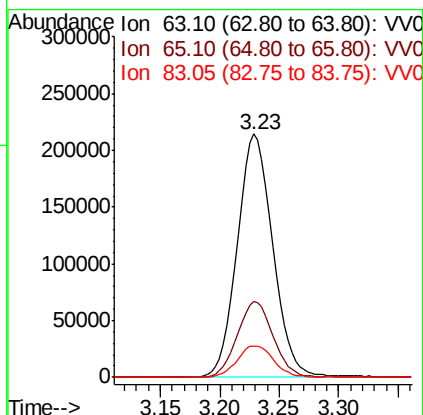
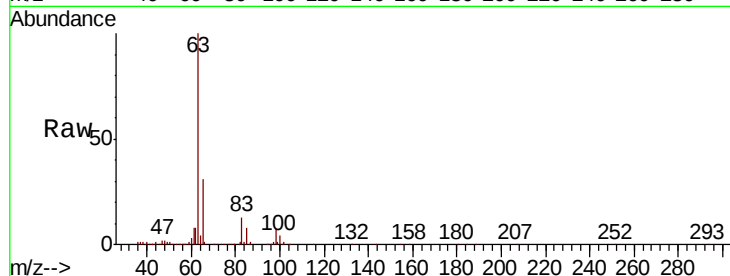




#19
 1,1-Dichloroethane
 Concen: 4.838 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

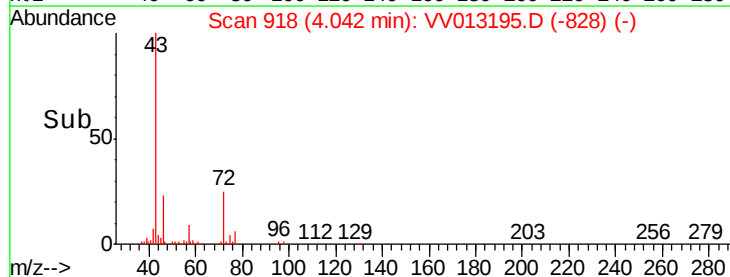
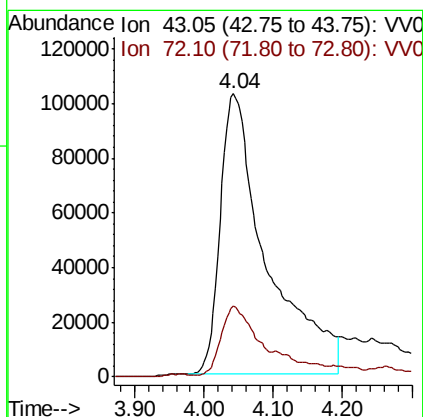
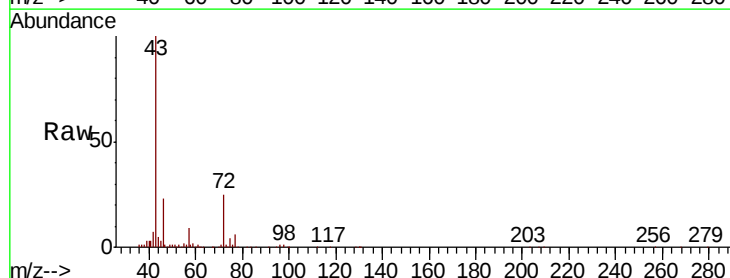
Instrument :
 MSVOA_V
 ClientSampleId :

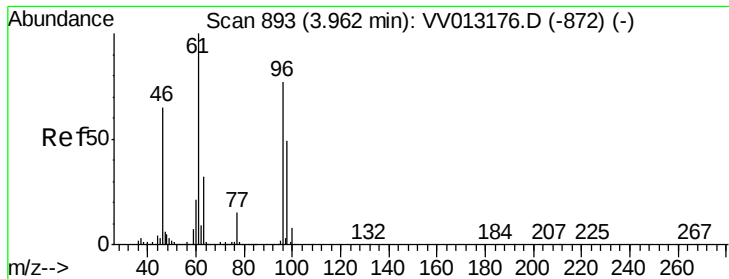
Tot Ion: 63 Resp: 443872
 Ion Ratio Lower Upper
 63 100
 65 31.0 22.5 41.7
 83 13.0 9.5 17.7



#21
 2-Butanone
 Concen: 46.143 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion: 43 Resp: 479370
 Ion Ratio Lower Upper
 43 100
 72 17.9 13.1 39.1



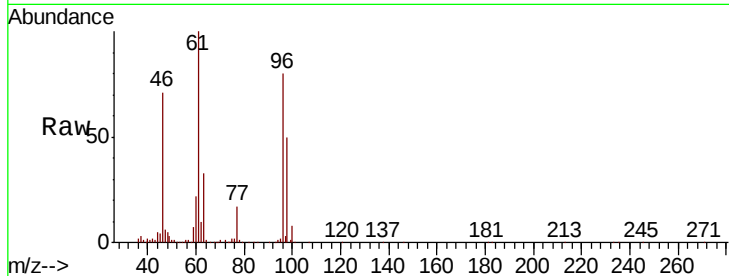


#22

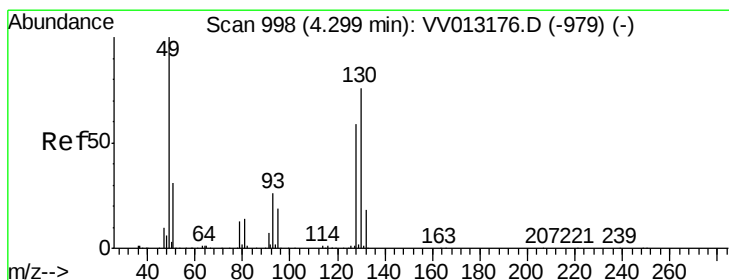
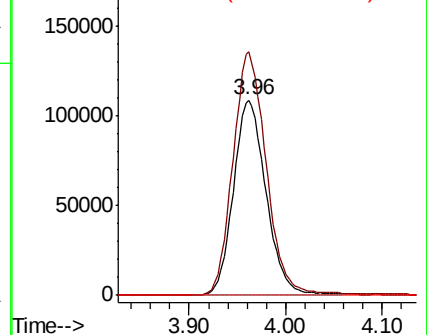
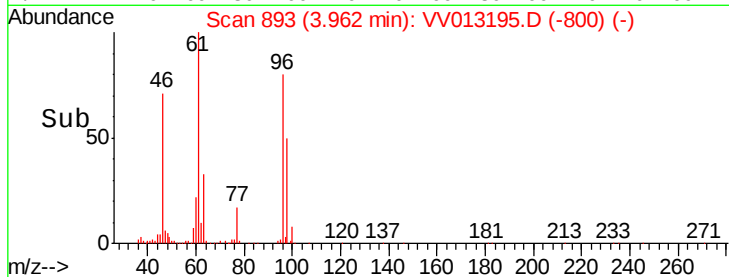
cis-1,2-Dichloroethene
Concen: 4.883 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Instrument :
MSVOA_V
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	124.6	90.6	168.2
68	0.1	0.1	0.1



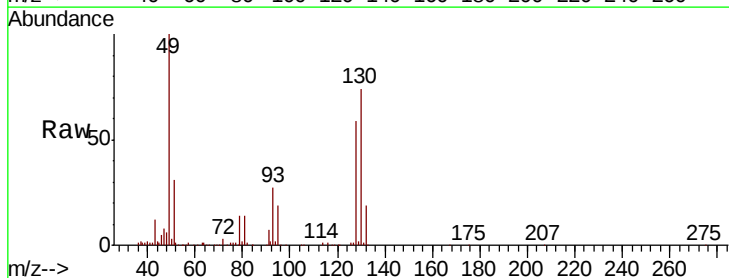
Abundance Ion 96.00 (95.70 to 96.70): VV013195.D (-800) (-)



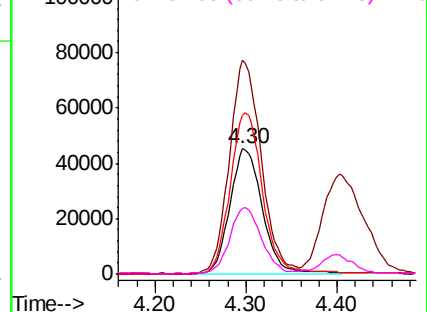
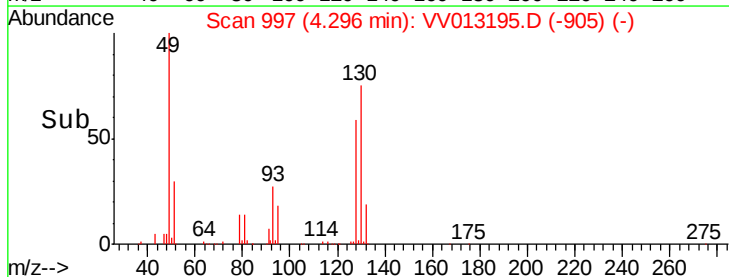
#23

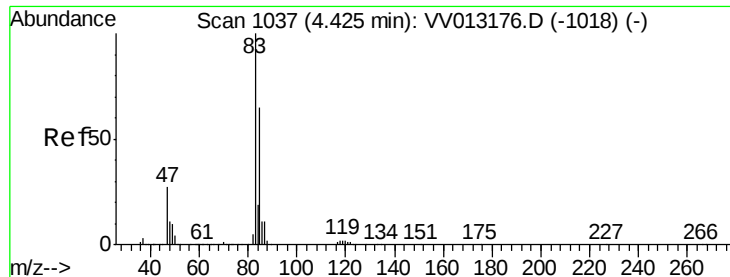
Bromochloromethane
Concen: 5.010 ug/L
RT: 4.30 min Scan# 997
Delta R.T. -0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Tgt Ion	Ratio	Lower	Upper
128	100		
49	170.9	118.4	219.8
130	127.2	89.5	166.3
51	52.3	42.0	63.0



Abundance Ion 127.90 (127.60 to 128.60): VV013195.D (-905) (-)

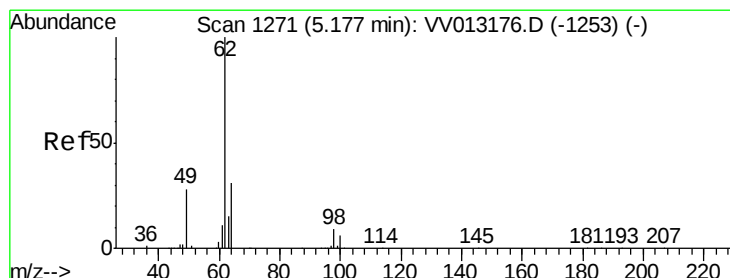
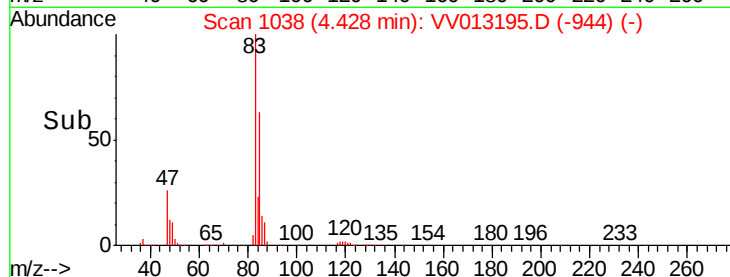
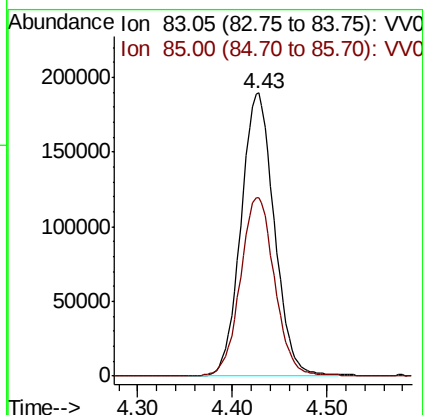
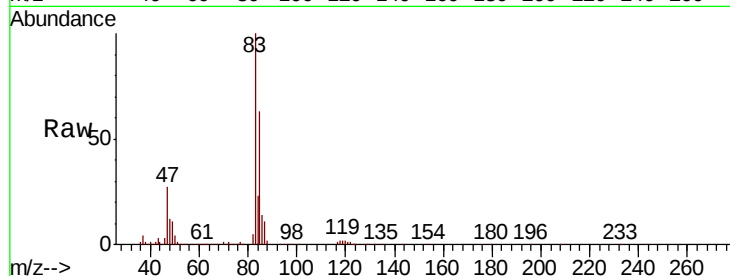




#25
Chloroform
Concen: 4.761 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

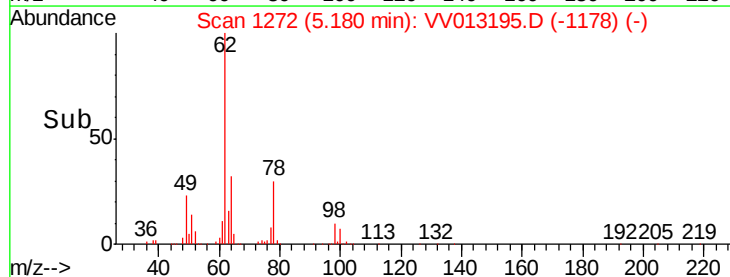
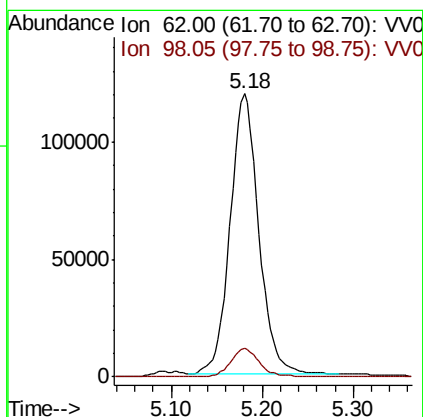
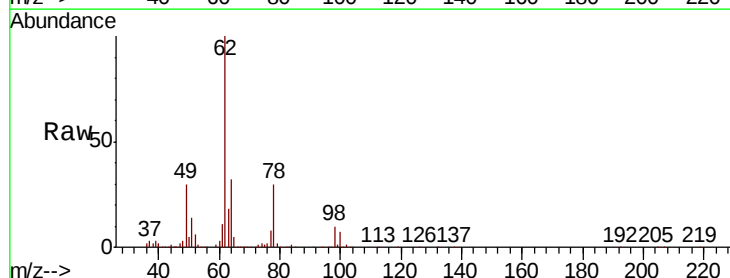
Instrument :
MSVOA_V
ClientSampleId :

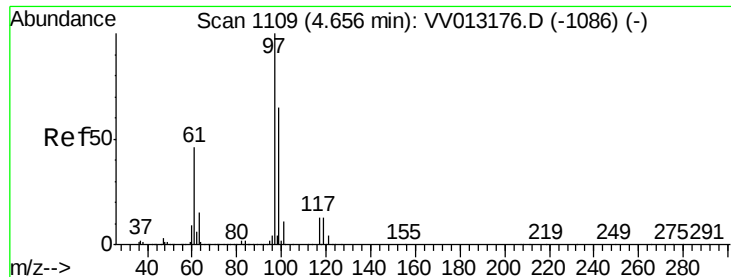
Tot Ion: 83 Resp: 463522
Ion Ratio Lower Upper
83 100
85 63.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.926 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Tgt Ion: 62 Resp: 262171
Ion Ratio Lower Upper
62 100
98 9.9 7.4 11.2

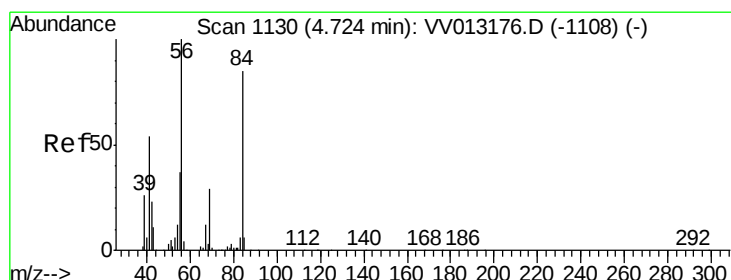
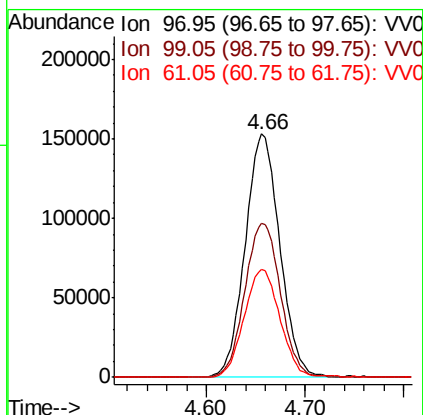
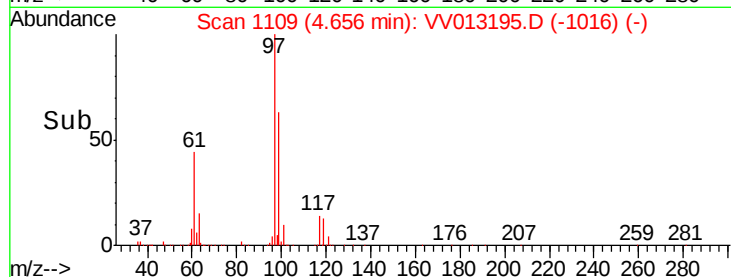
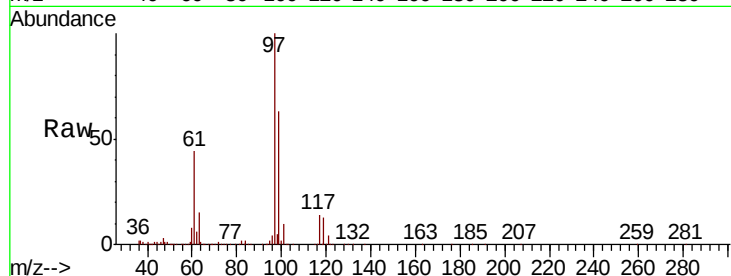




#29
 1,1,1-Trichloroethane
 Concen: 4.710 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

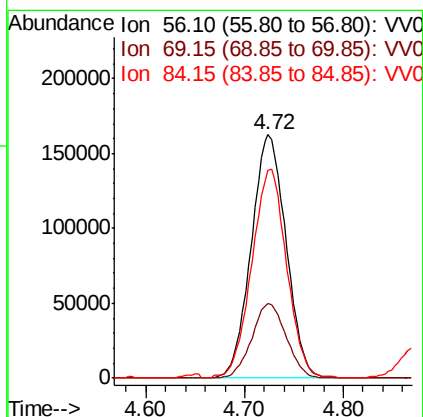
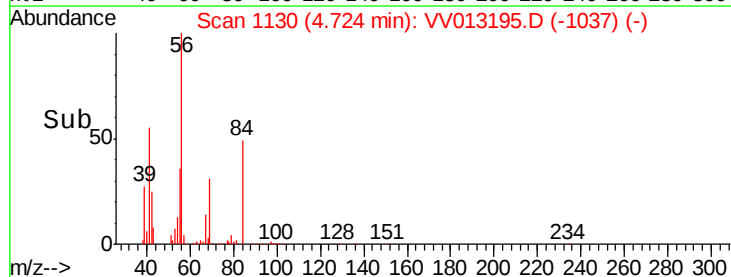
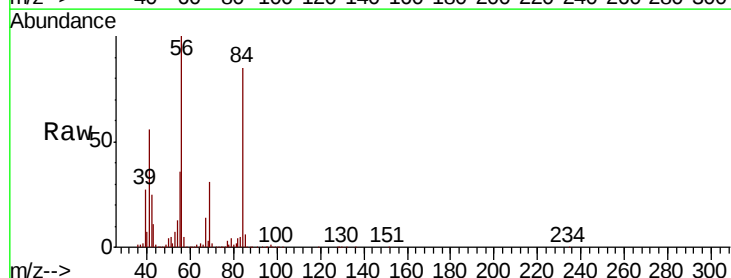
Instrument :
 MSVOA_V
 ClientSampleId :

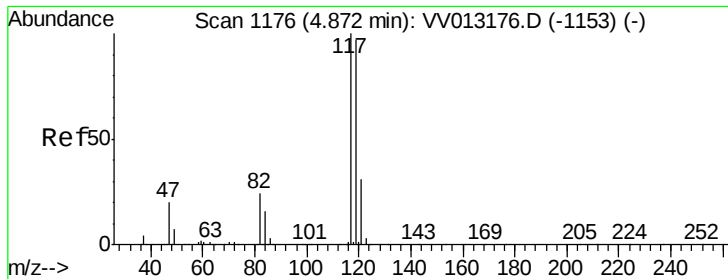
Tot Ion	97	Resp	371465
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.2	76.8
61	45.4	37.0	55.4



#30
 Cyclohexane
 Concen: 4.653 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion	56	Resp	395188
Ion Ratio	Lower	Upper	
56	100		
69	30.4	23.0	34.4
84	86.3	69.0	103.4





#31

Carbon tetrachloride

Concen: 4.663 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

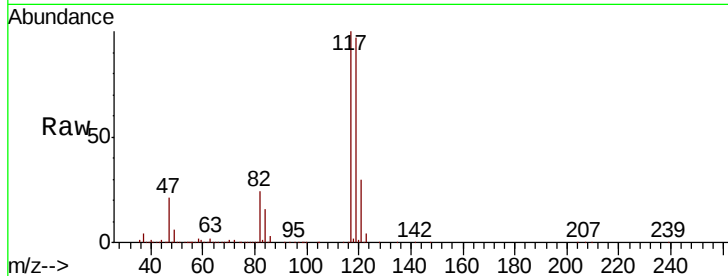
ClientSampleId :

Tot Ion:117 Resp: 331968

Ion Ratio Lower Upper

117 100

119 96.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.87

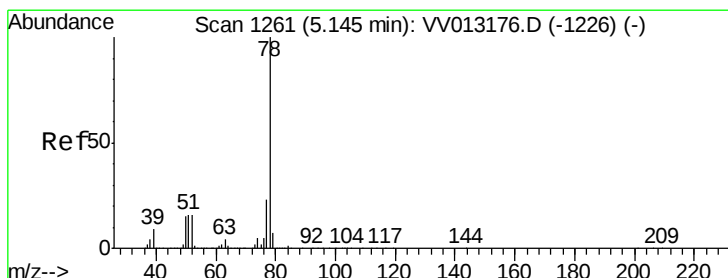
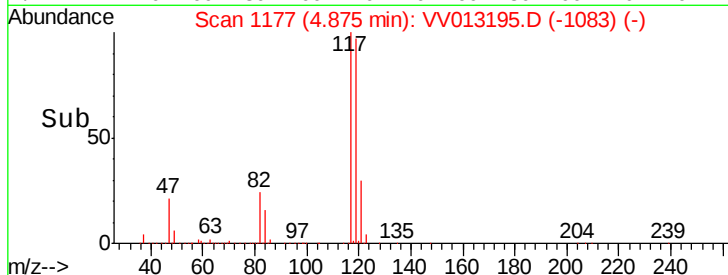
150000

100000

50000

0

Time-->



#33

Benzene

Concen: 4.771 ug/L

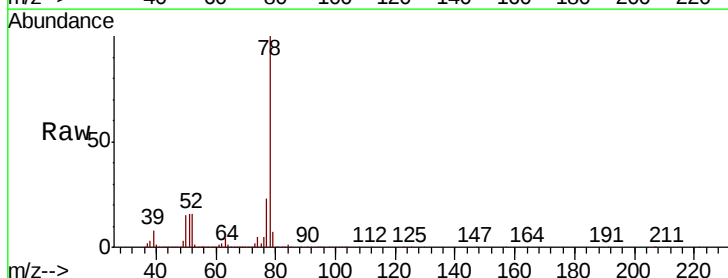
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Tgt Ion: 78 Resp: 1003676



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

500000

400000

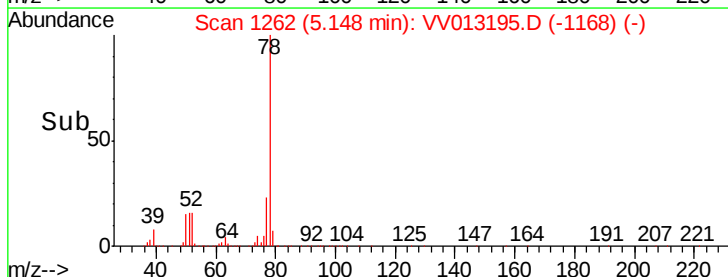
300000

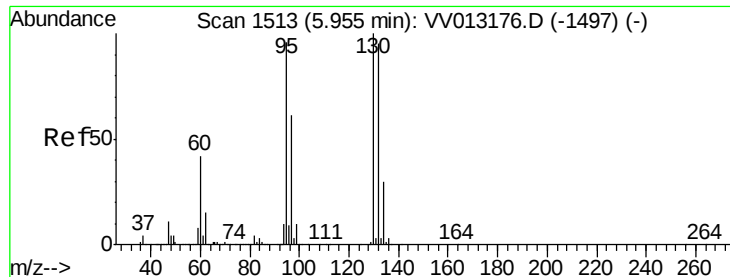
200000

100000

0

Time-->

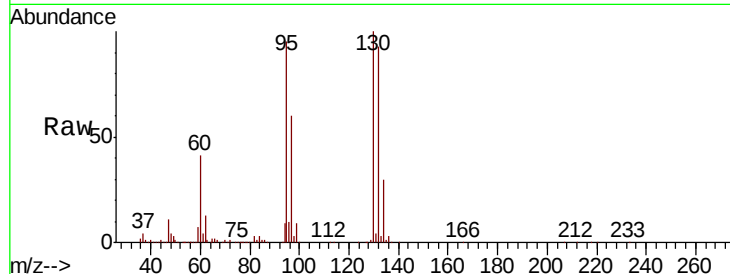




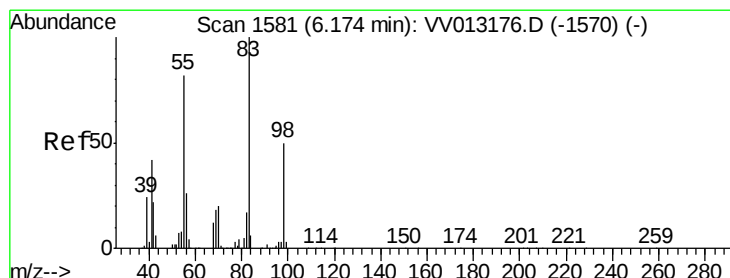
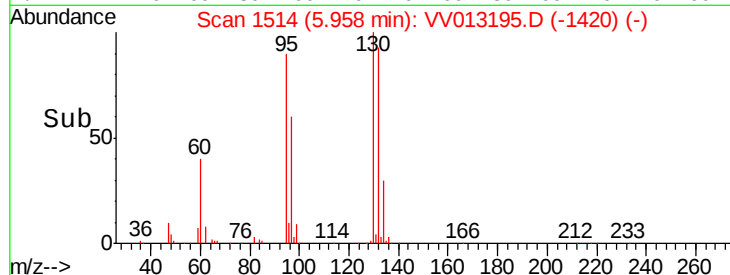
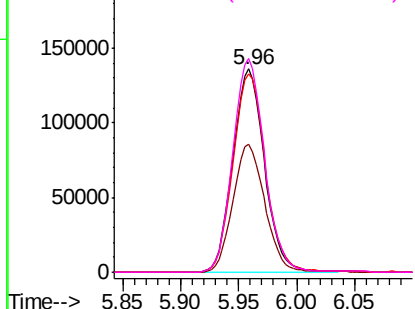
#34
 Trichloroethene
 Concen: 4.764 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion: 95 Resp: 257960
 Ion Ratio Lower Upper
 95 100
 97 63.1 44.7 82.9
 132 97.6 68.9 127.9
 130 105.1 72.7 134.9

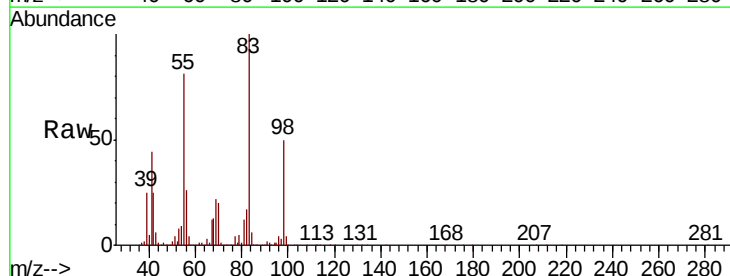


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

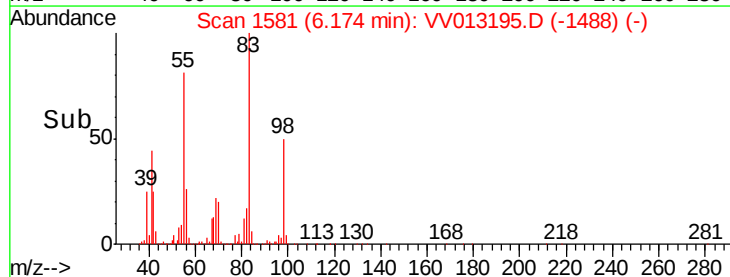
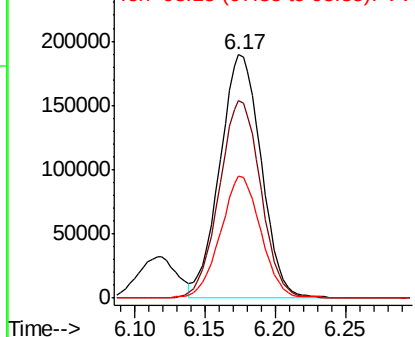


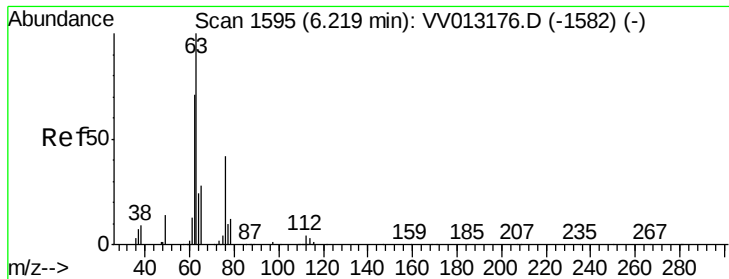
#35
 Methylcyclohexane
 Concen: 4.463 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion: 83 Resp: 385847
 Ion Ratio Lower Upper
 83 100
 55 81.9 64.0 96.0
 98 49.0 38.6 57.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

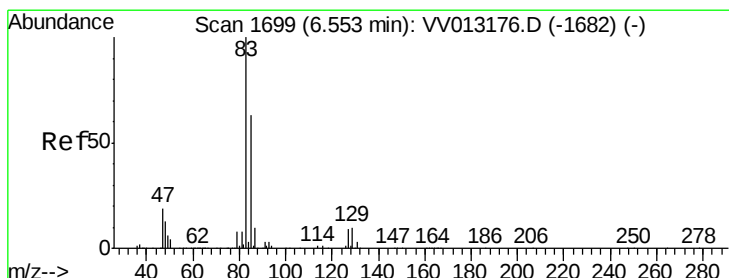
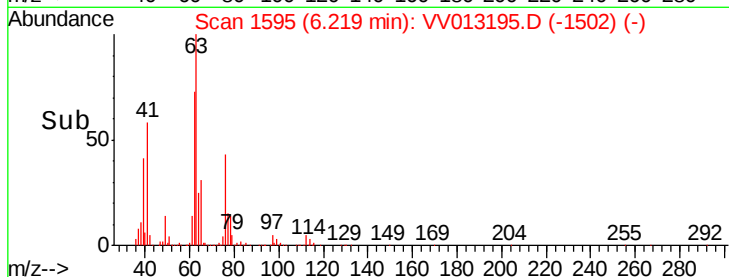
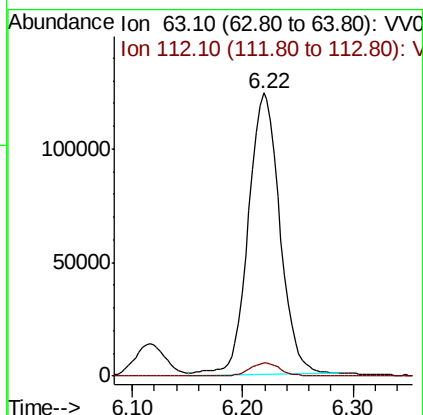
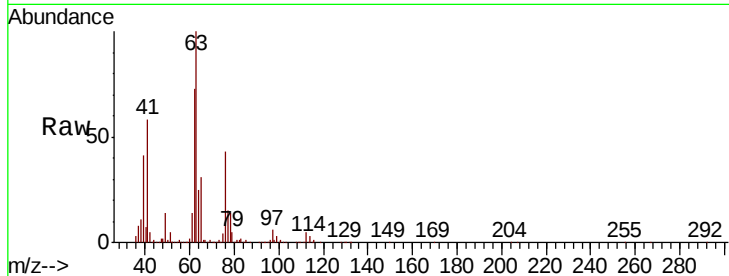




#37
 1,2-Dichloropropane
 Concen: 4.785 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

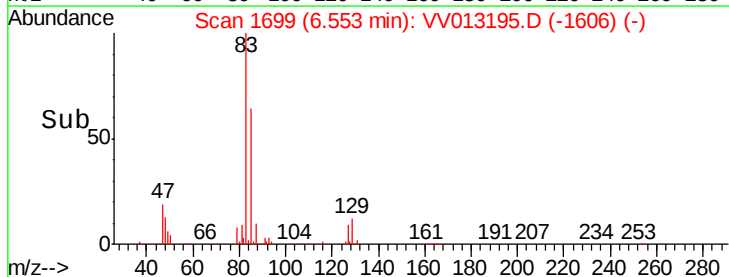
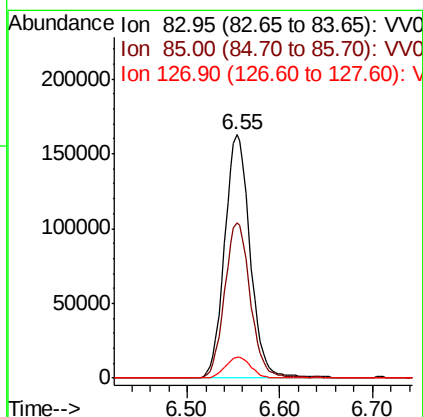
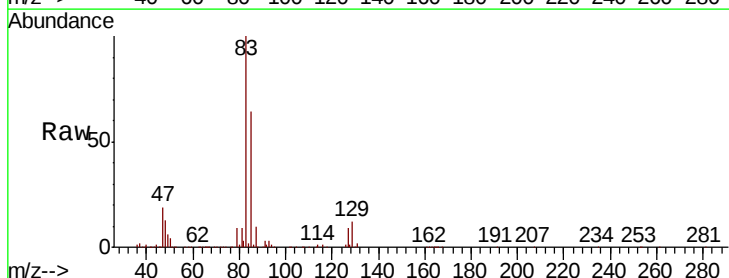
Instrument :
 MSVOA_V
 ClientSampled :

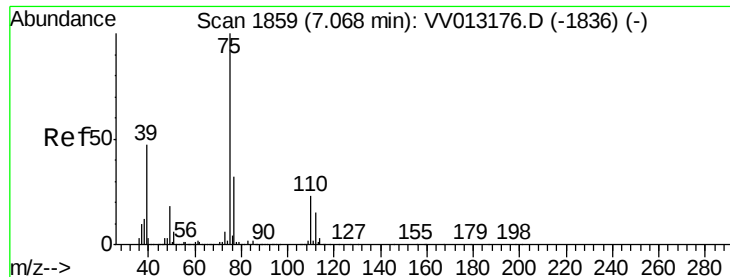
Tot Ion: 63 Resp: 245120
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#38
 Bromodichloromethane
 Concen: 4.759 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion: 83 Resp: 310275
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.0 81.6
 127 8.8 7.0 10.6



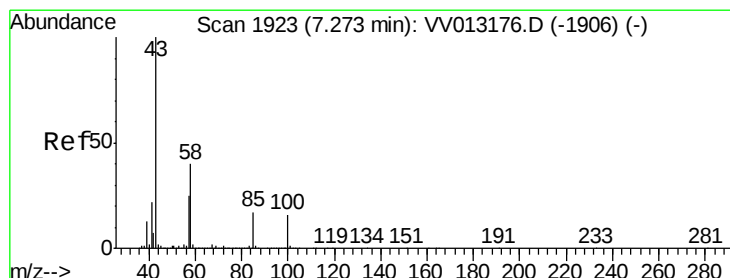
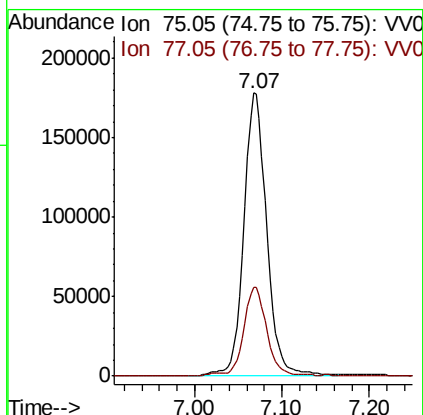
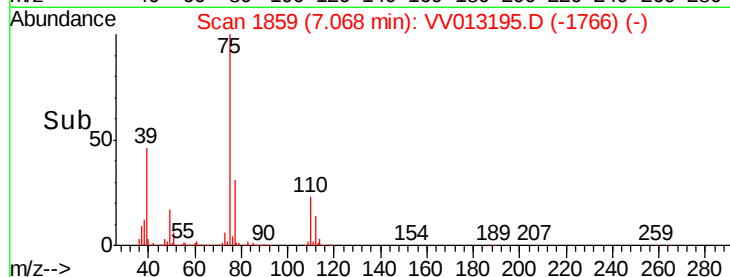
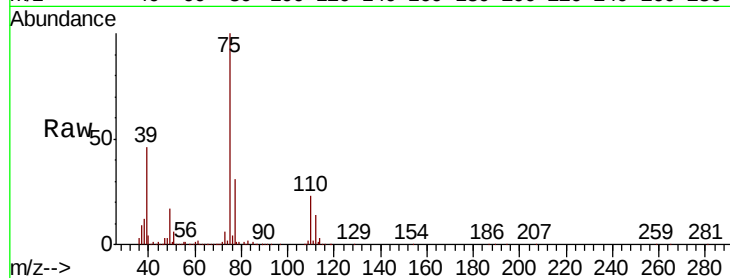


#39

cis-1,3-Dichloropropene
 Concen: 4.631 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Instrument :
 MSVOA_V
 ClientSampleId :

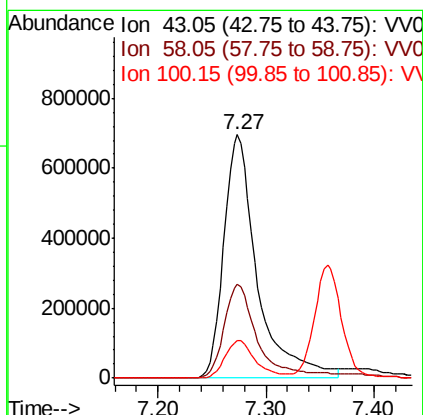
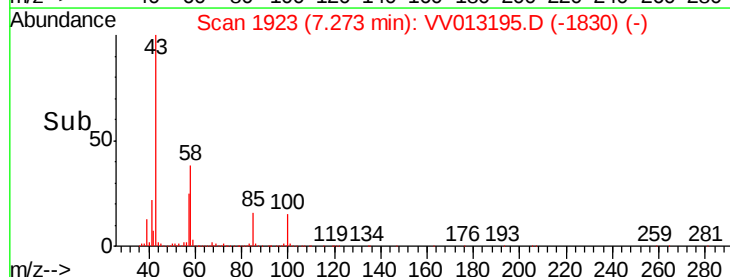
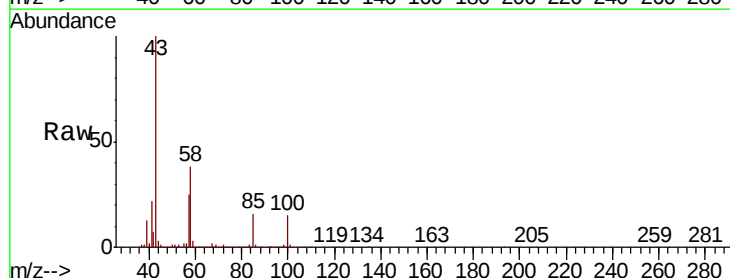
Tot Ion: 75 Resp: 325063
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.6 42.0

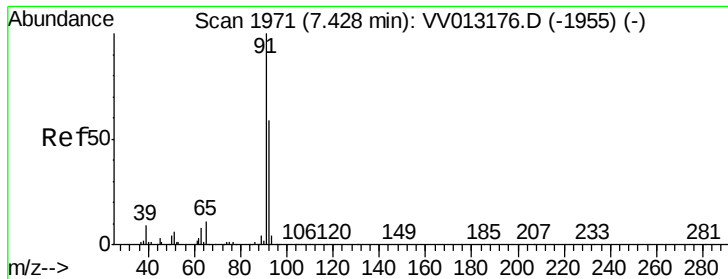


#40

4-Methyl-2-pentanone
 Concen: 52.858 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion: 43 Resp: 1499787
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.4 48.6
 100 14.3 11.8 17.8





#42

Toluene

Concen: 4.965 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

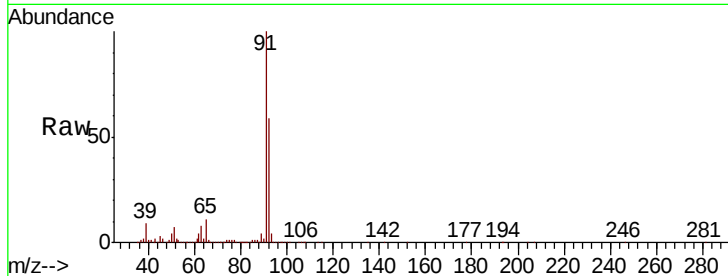
ClientSampleId :

Tot Ion: 91 Resp: 1086843

Ion Ratio Lower Upper

91 100

92 58.9 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

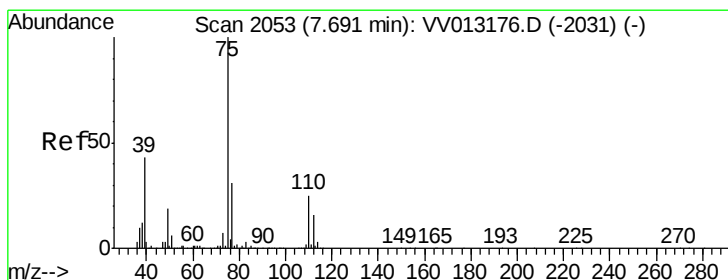
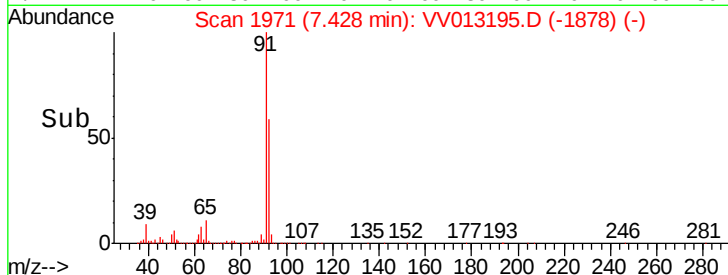
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.746 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013195.D

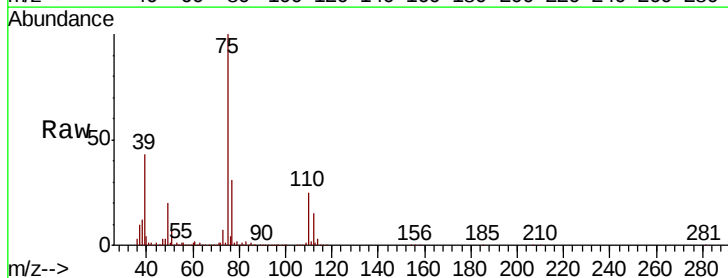
Acq: 18 Oct 2019 02:59

Tgt Ion: 75 Resp: 253500

Ion Ratio Lower Upper

75 100

77 30.6 21.8 40.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

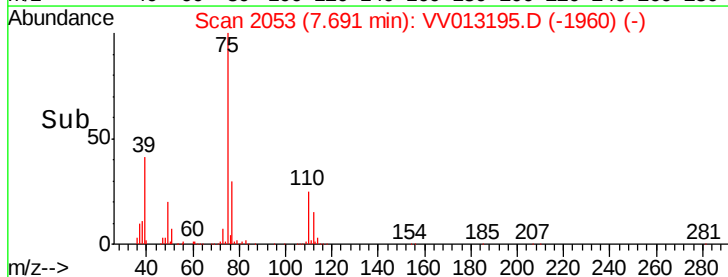
150000

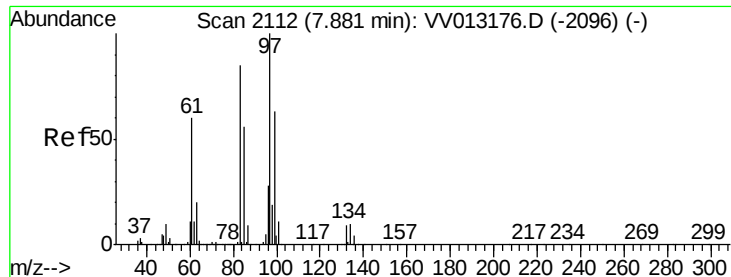
100000

50000

0

Time-->

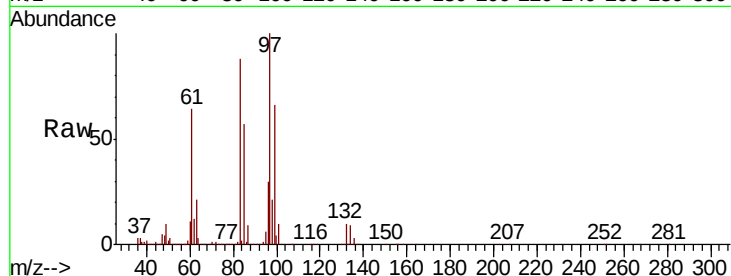




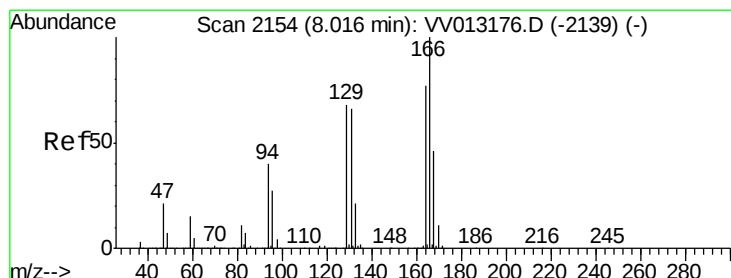
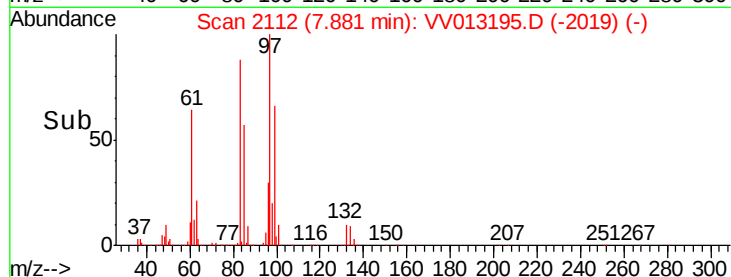
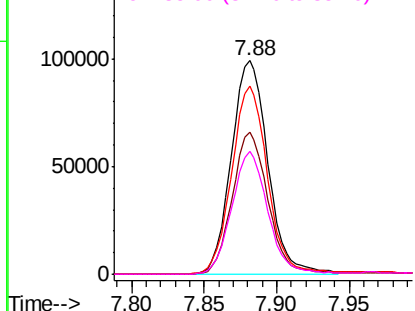
#45
 1,1,2-Trichloroethane
 Concen: 4.890 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	173722
Ion	Ratio	Lower	Upper
97	100		
99	66.4	43.8	81.4
83	87.9	59.5	110.5
85	57.3	39.5	73.4

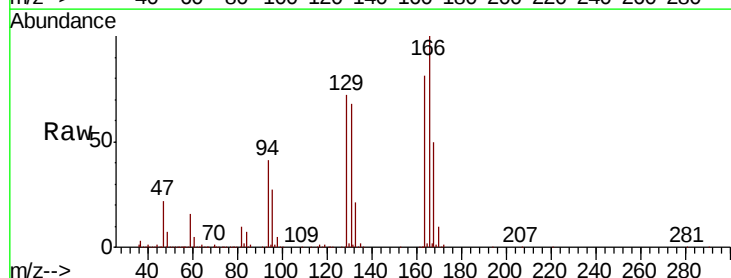


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

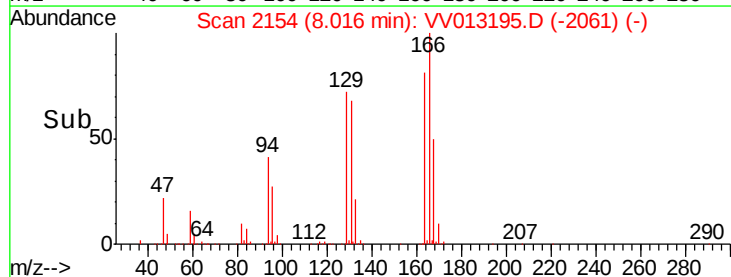
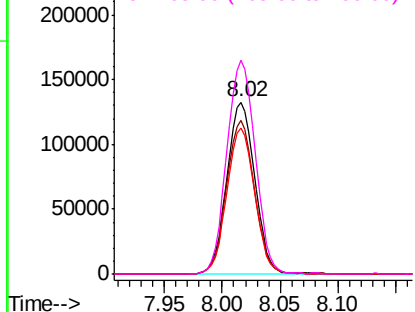


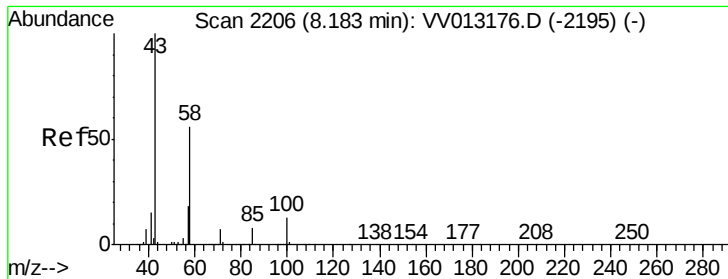
#47
 Tetrachloroethene
 Concen: 4.573 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion:	164	Resp:	220477
Ion	Ratio	Lower	Upper
164	100		
129	89.1	62.2	115.4
131	84.7	59.9	111.3
166	124.1	91.1	169.1



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

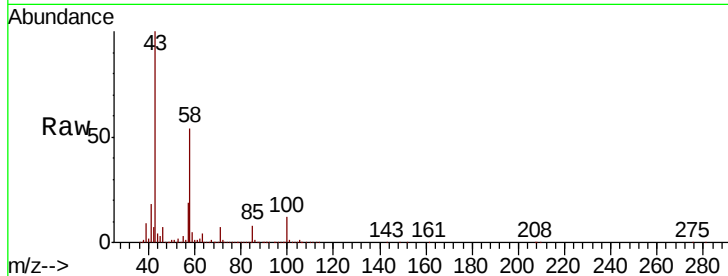




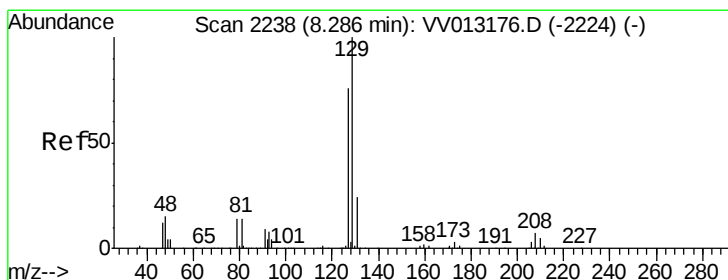
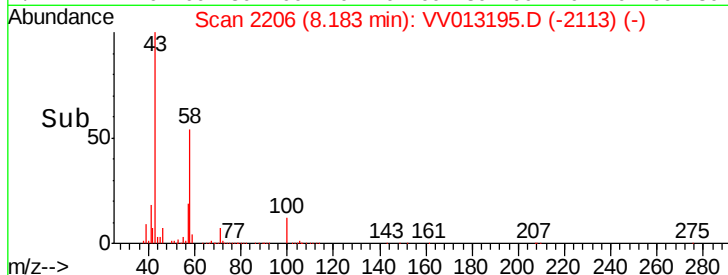
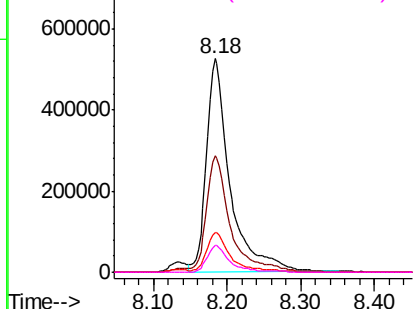
#48
2-Hexanone
Concen: 56.914 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1173043
Ion Ratio Lower Upper
43 100
58 55.6 44.2 66.2
57 18.7 14.5 21.7
100 11.9 9.5 14.3

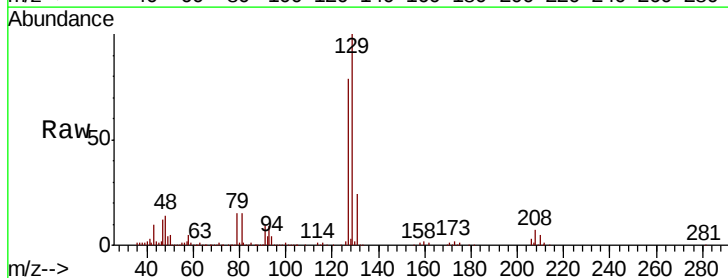


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

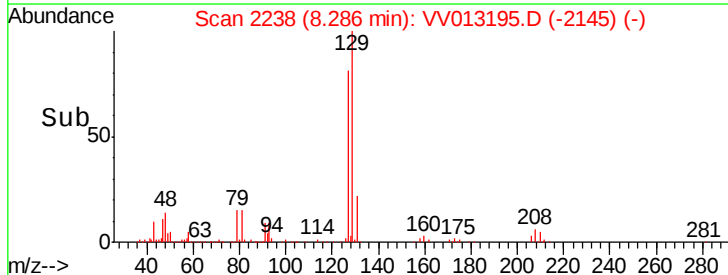
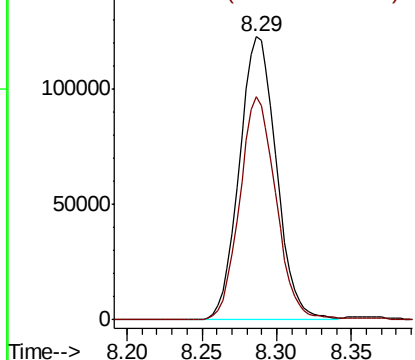


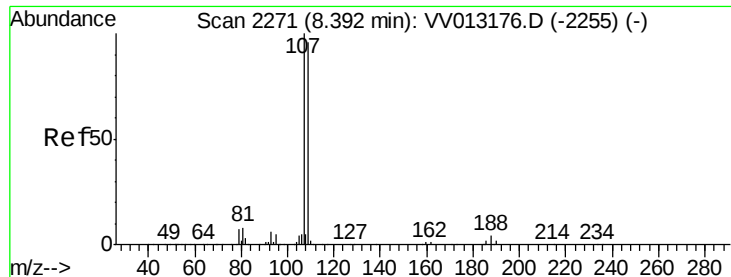
#49
Dibromochloromethane
Concen: 4.945 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013195.D
Acq: 18 Oct 2019 02:59

Tgt Ion: 129 Resp: 211598
Ion Ratio Lower Upper
129 100
127 78.8 53.2 98.8



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

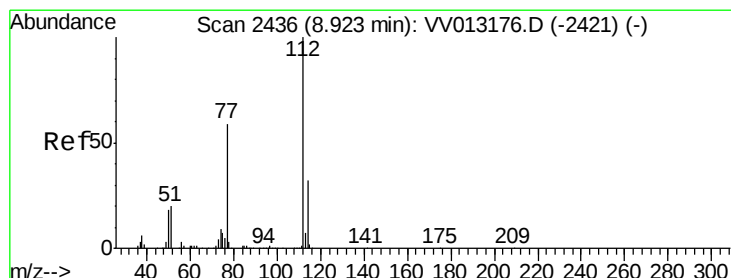
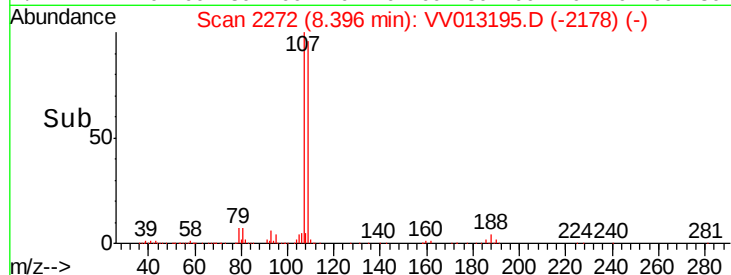
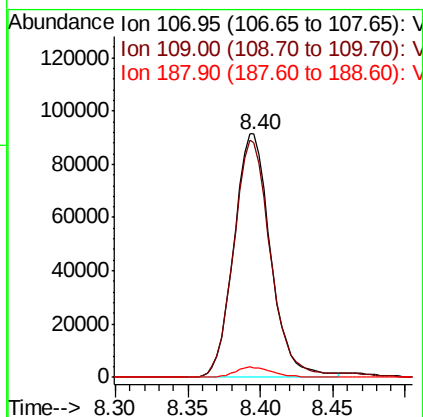
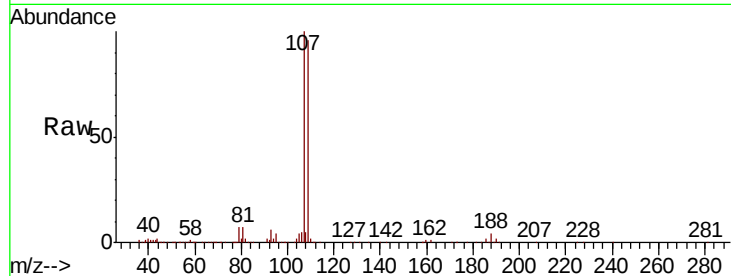




#50
 1,2-Dibromoethane
 Concen: 4.886 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

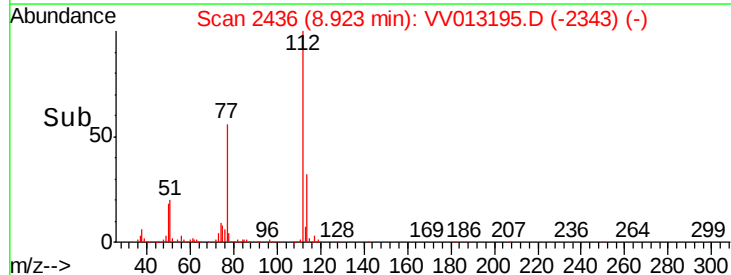
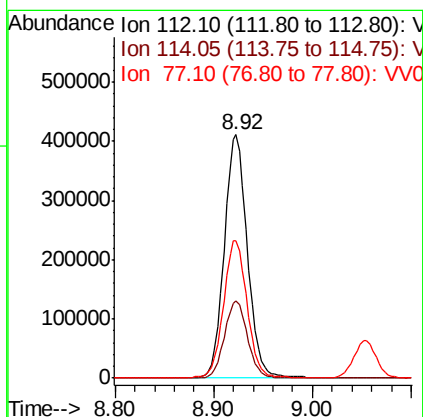
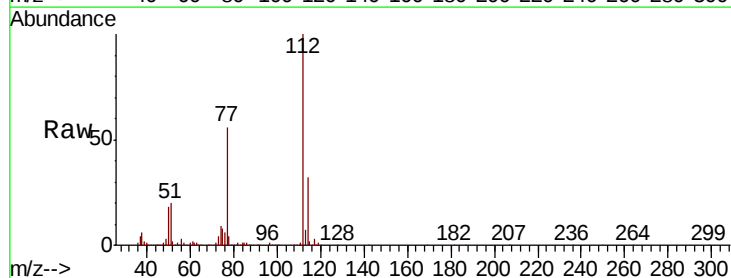
Instrument :
 MSVOA_V
 ClientSampleId :

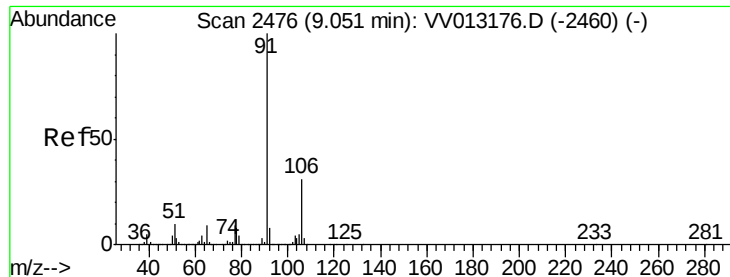
Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	67.3	124.9
188	4.0	3.3	4.9



#51
 Chlorobenzene
 Concen: 4.827 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.6	22.6	42.0
77	56.4	47.5	71.3





#52

Ethylbenzene

Concen: 4.770 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

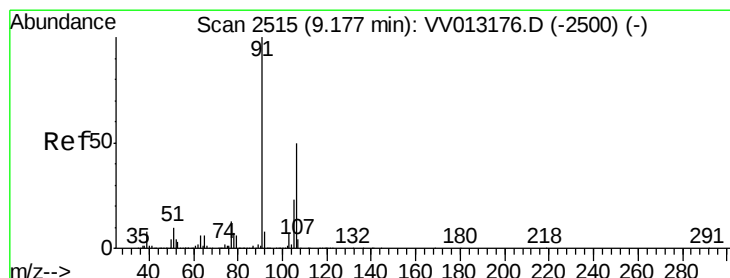
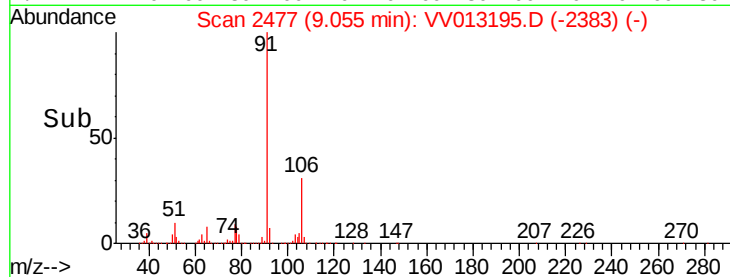
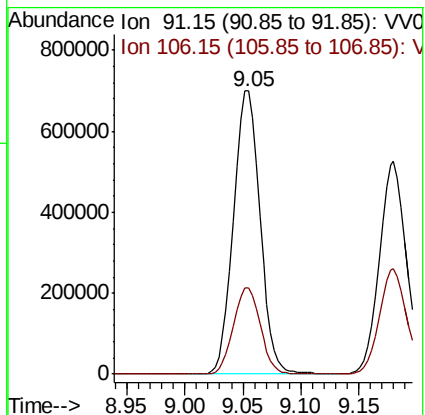
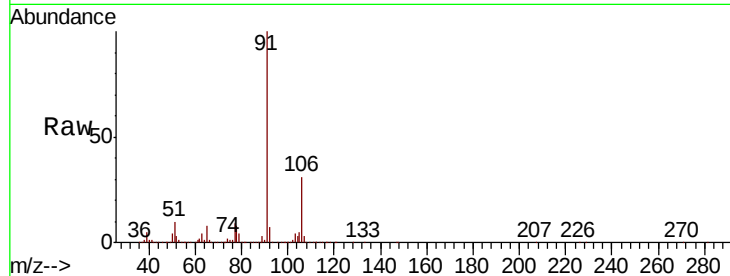
ClientSampleId :

Tot Ion: 91 Resp: 1109693

Ion Ratio Lower Upper

91 100

106 30.6 22.0 40.8



#53

m,p-xylene

Concen: 4.897 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013195.D

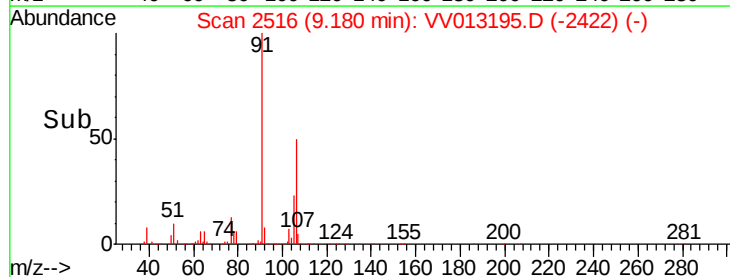
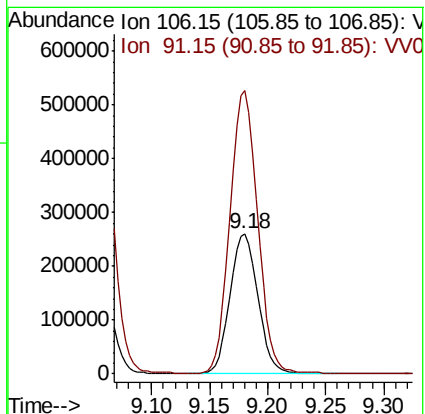
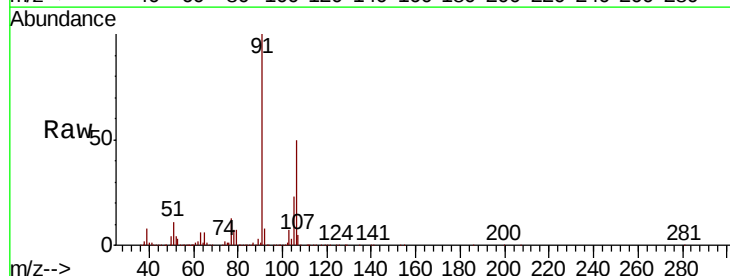
Acq: 18 Oct 2019 02:59

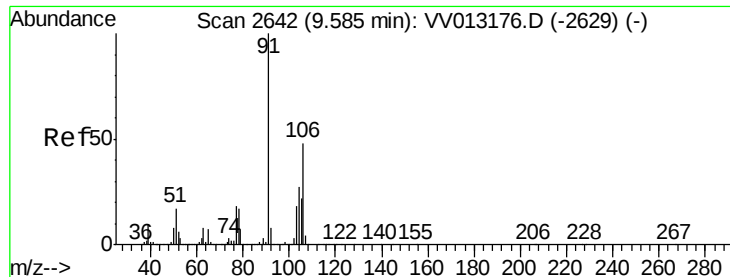
Tgt Ion: 106 Resp: 430117

Ion Ratio Lower Upper

106 100

91 201.7 141.3 262.5





#54

o-xylene

Concen: 4.887 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

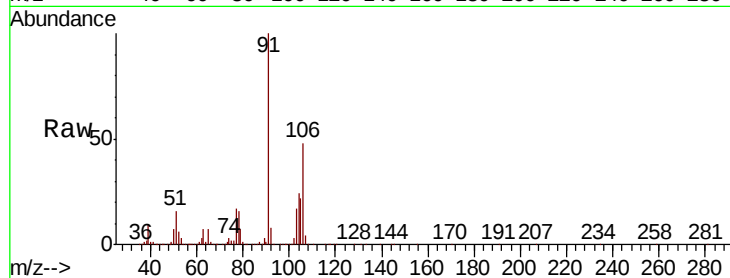
ClientSampled :

Tot Ion:106 Resp: 415231

Ion Ratio Lower Upper

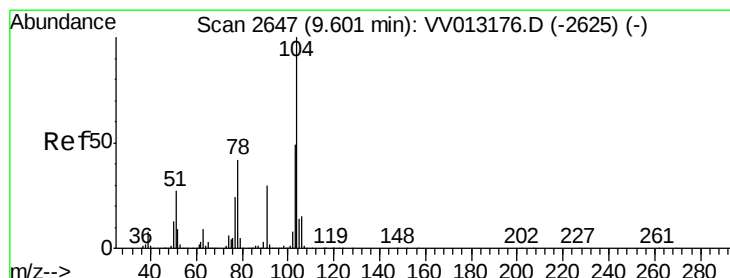
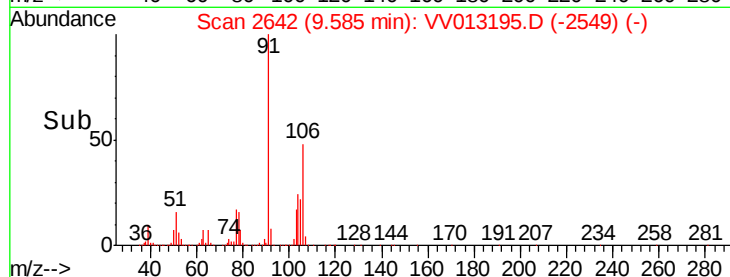
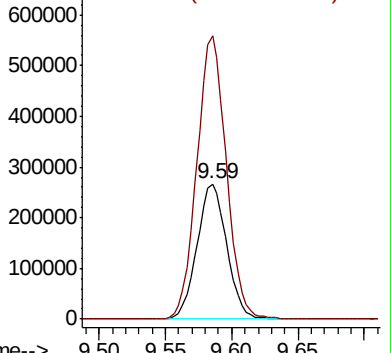
106 100

91 209.4 145.3 269.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.009 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013195.D

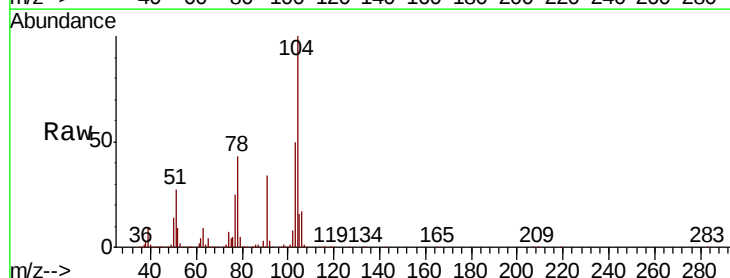
Acq: 18 Oct 2019 02:59

Tgt Ion:104 Resp: 705267

Ion Ratio Lower Upper

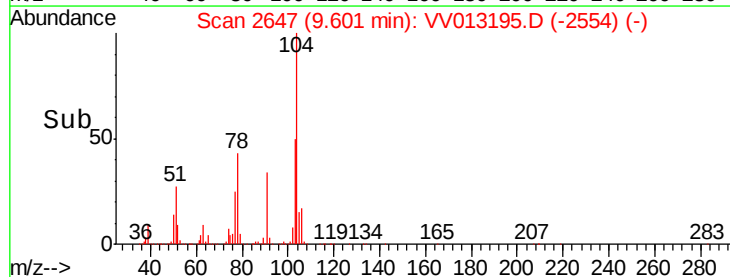
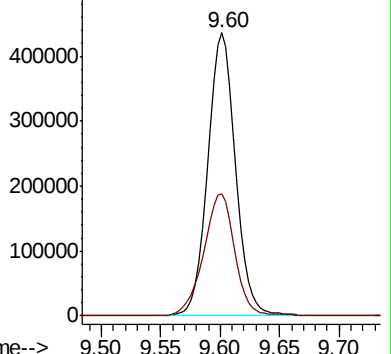
104 100

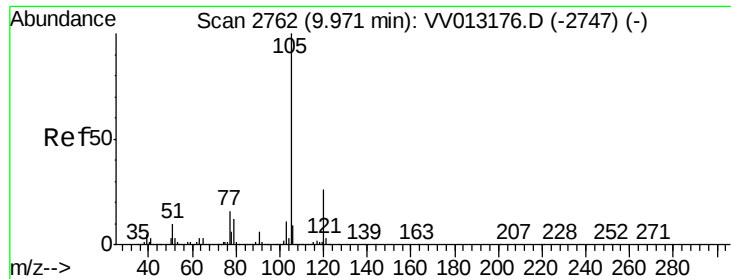
78 43.3 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.837 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

ClientSampled :

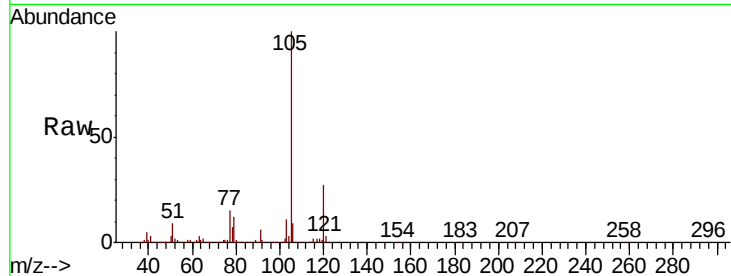
Tot Ion:105 Resp: 1079423

Ion Ratio Lower Upper

105 100

120 26.9 21.0 31.6

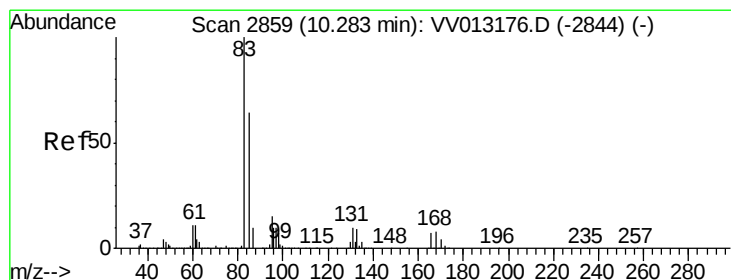
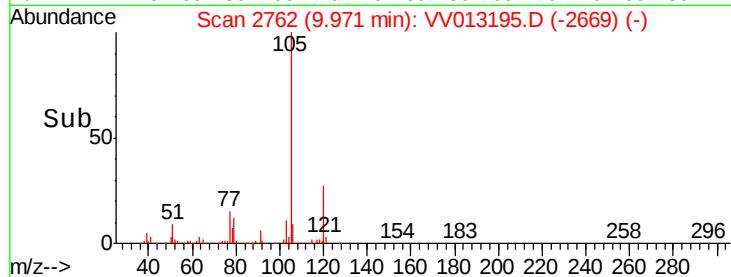
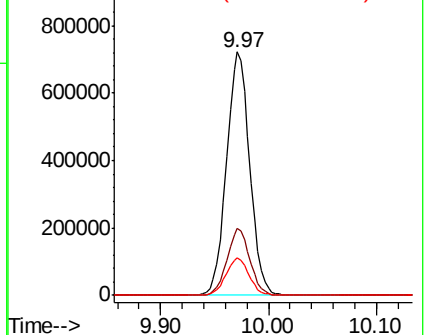
77 15.3 12.4 18.6



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: 4.601 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

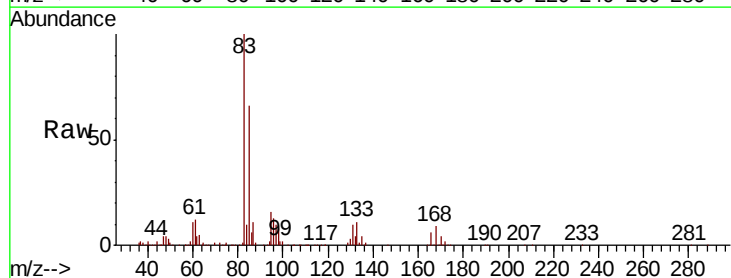
Tgt Ion: 83 Resp: 200909

Ion Ratio Lower Upper

83 100

85 65.8 44.6 82.8

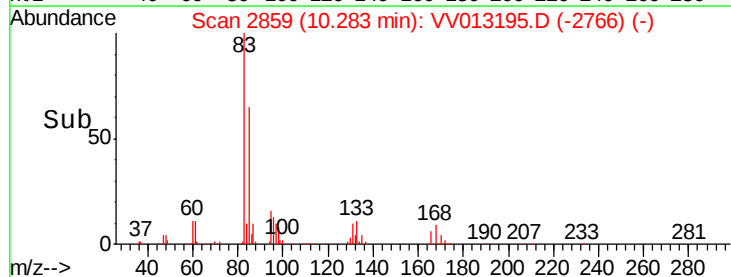
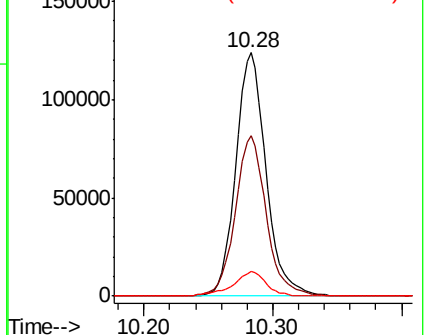
131 10.1 8.3 12.5

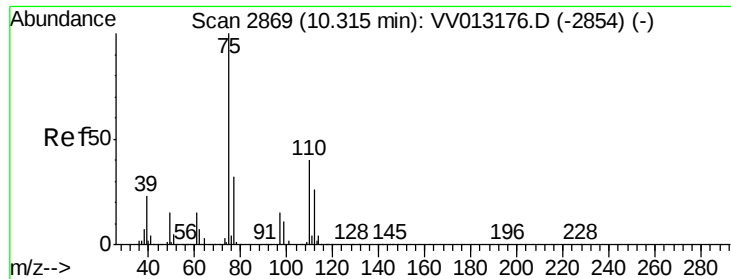


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

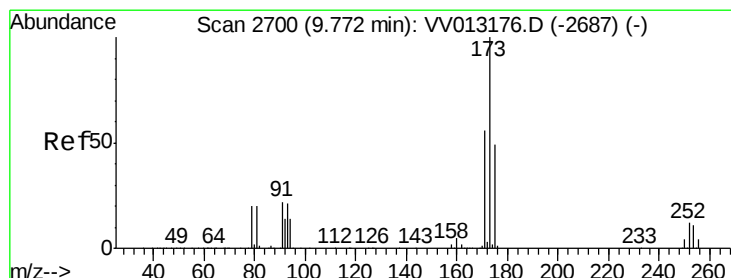
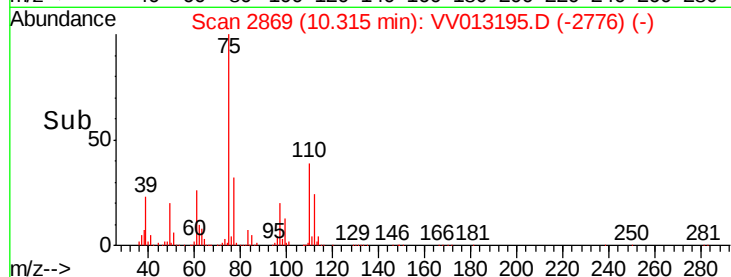
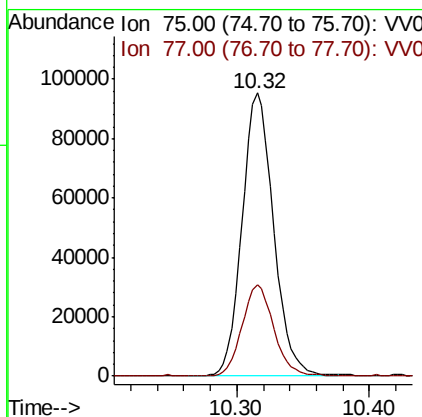
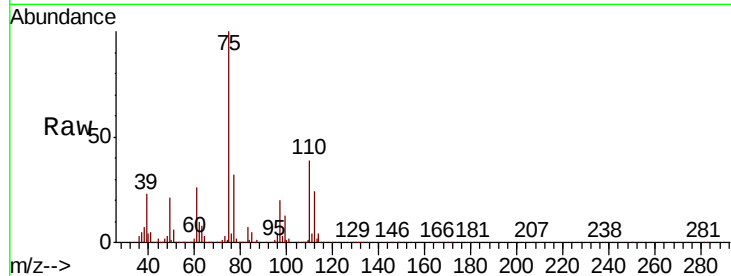




#59
 1,2,3-Trichloropropane
 Concen: 5.149 ug/L
 RT: 10.32 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

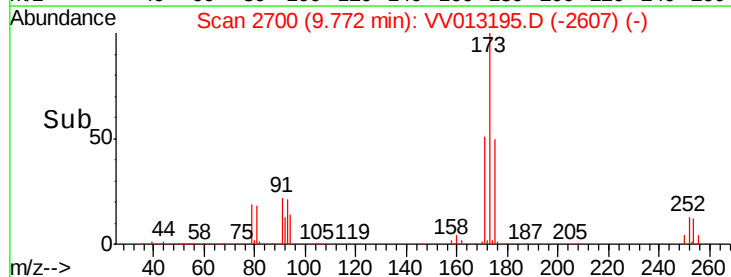
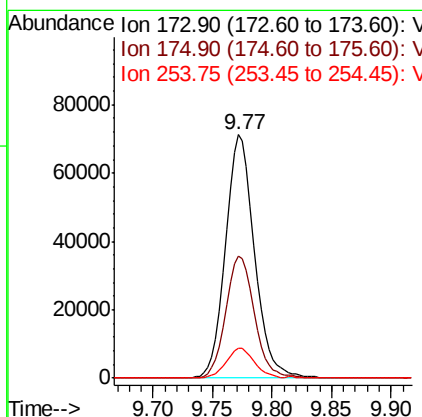
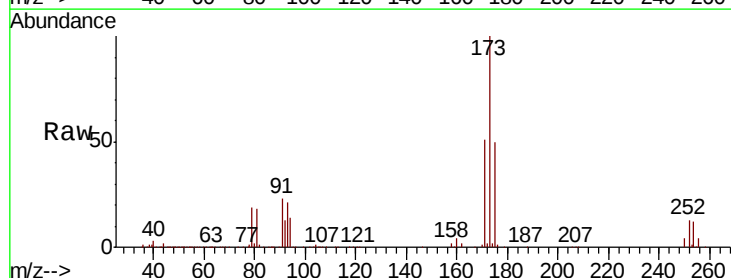
Instrument :
 MSVOA_V
 ClientSampled :

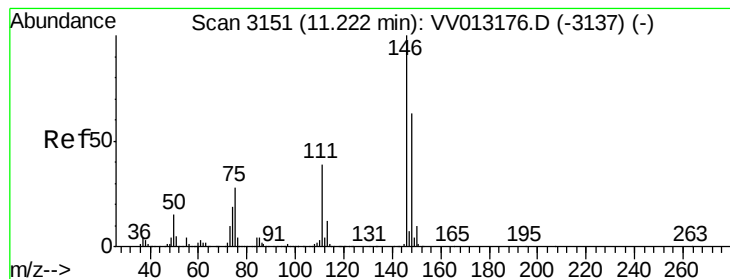
Tot Ion: 75 Resp: 156669
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.0 39.0



#61
 Bromoform
 Concen: 4.850 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion: 173 Resp: 120196
 Ion Ratio Lower Upper
 173 100
 175 49.6 39.1 58.7
 254 12.1 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 4.670 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

ClientSampleId :

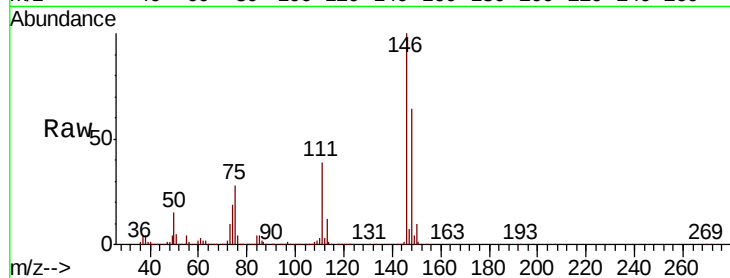
Tot Ion:146 Resp: 529499

Ion Ratio Lower Upper

146 100

111 38.8 27.1 50.3

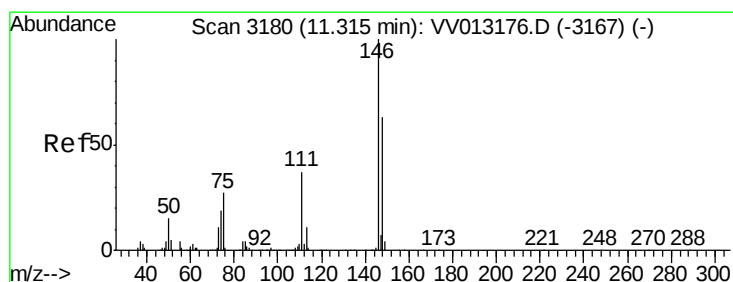
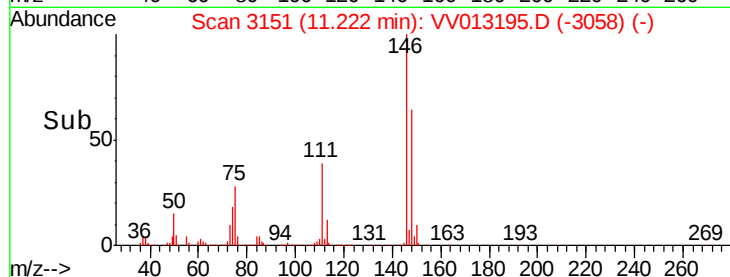
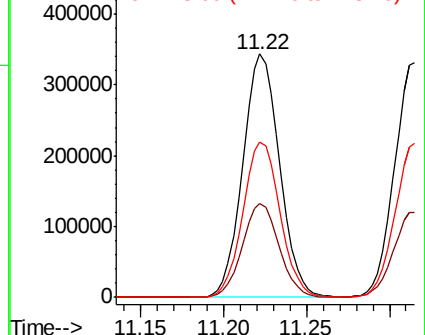
148 64.0 44.4 82.5



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: 4.631 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

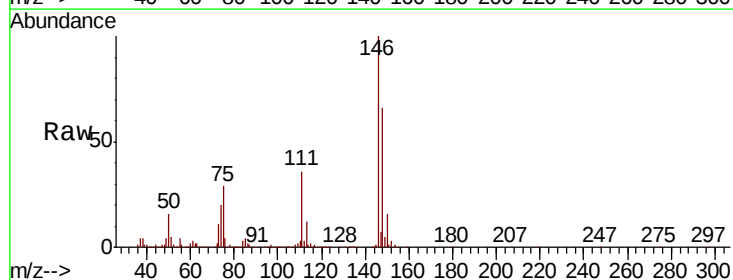
Tgt Ion:146 Resp: 519755

Ion Ratio Lower Upper

146 100

111 35.9 25.7 47.7

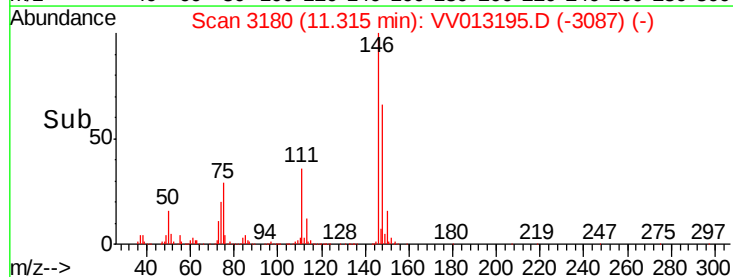
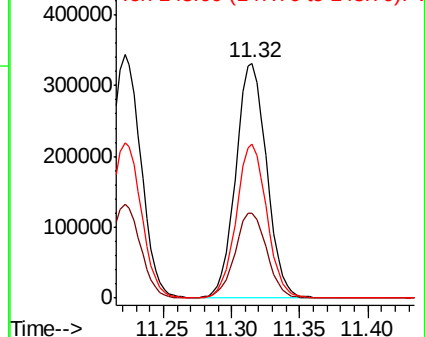
148 65.5 44.4 82.5

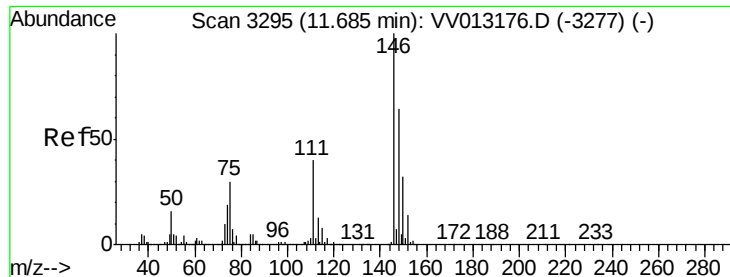


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 4.694 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

ClientSampleId :

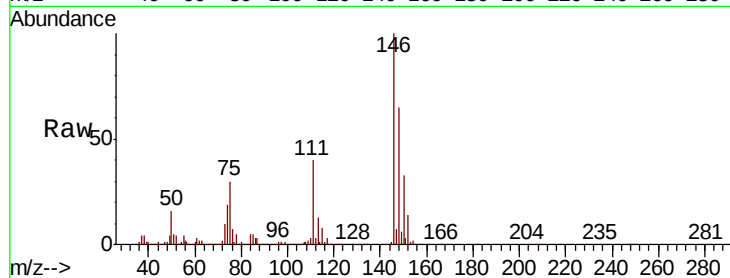
Tot Ion:146 Resp: 494857

Ion Ratio Lower Upper

146 100

111 40.0 31.9 47.9

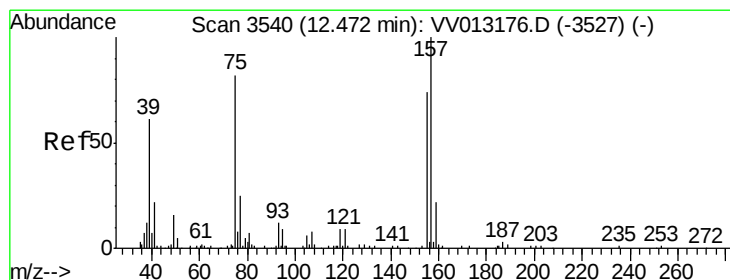
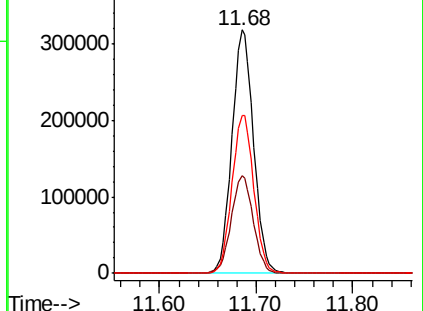
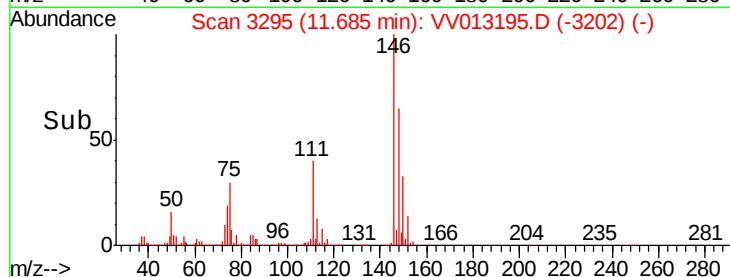
148 65.1 51.4 77.2



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: 4.437 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

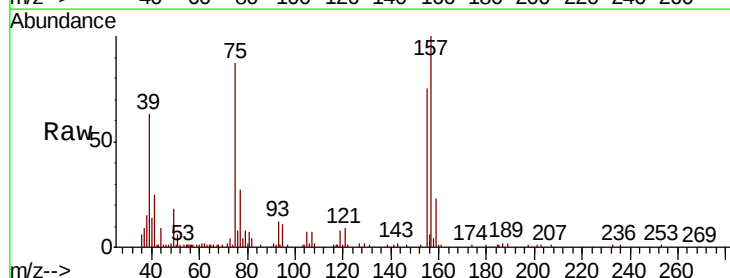
Tgt Ion: 75 Resp: 30706

Ion Ratio Lower Upper

75 100

155 86.8 71.9 107.9

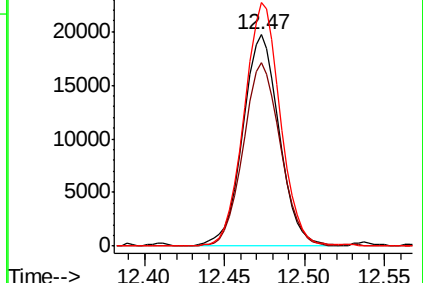
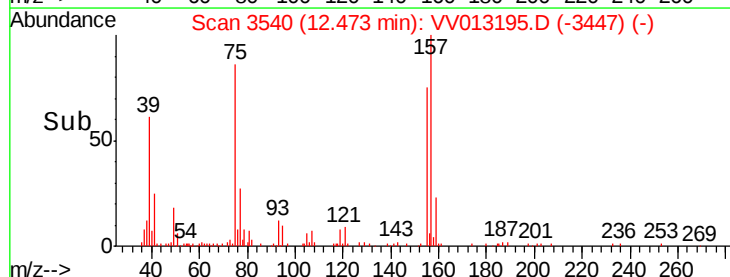
157 115.1 97.3 145.9

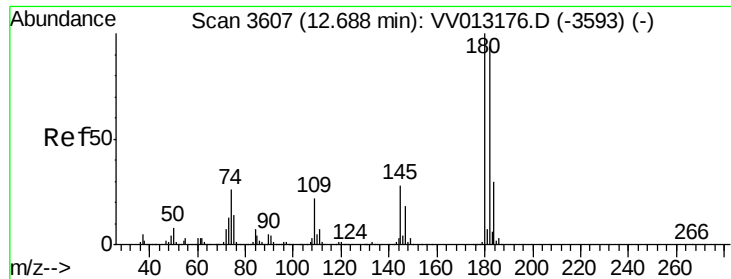


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

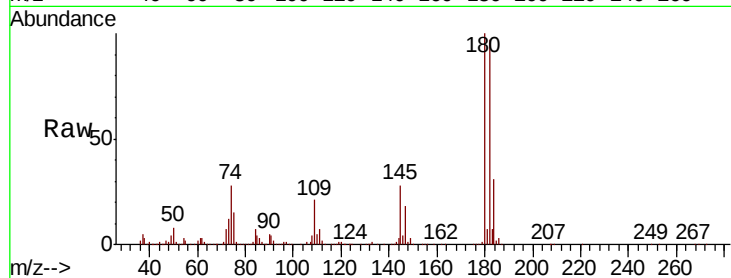




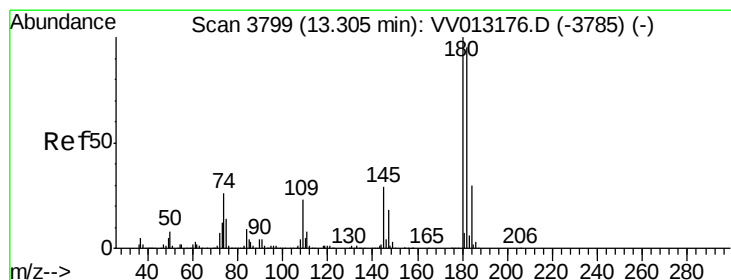
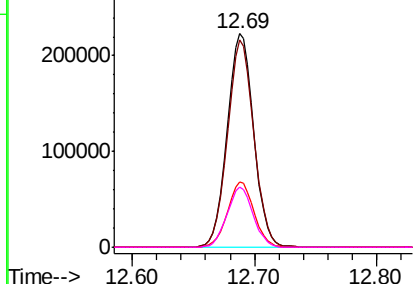
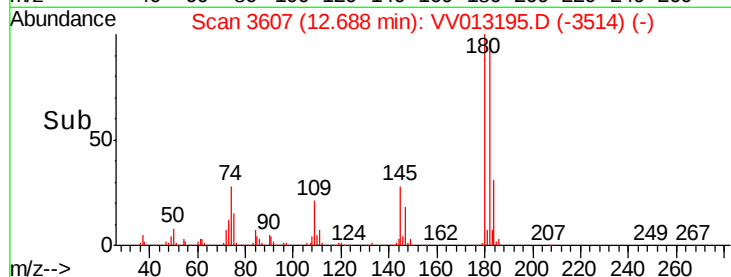
#67
 1,3,5-Trichlorobenzene
 Concen: 4.244 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	339488
Ion Ratio	Lower	Upper
180	100	
182	96.3	75.8 113.6
184	30.6	24.2 36.4
145	27.7	22.1 33.1

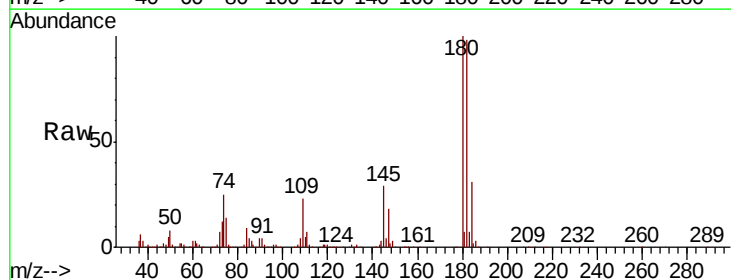


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

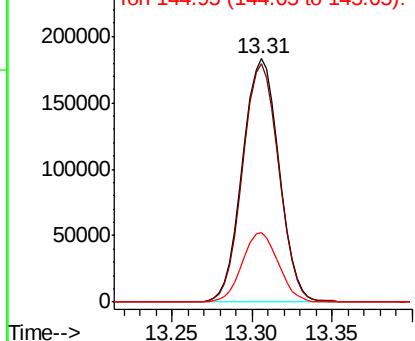
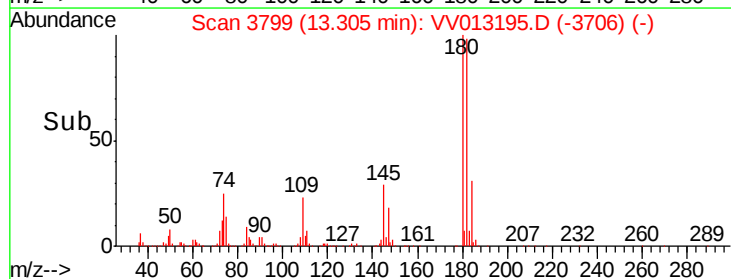


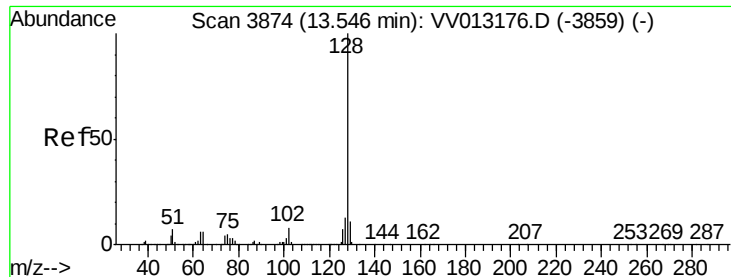
#68
 1,2,4-trichlorobenzene
 Concen: 4.167 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013195.D
 Acq: 18 Oct 2019 02:59

Tgt Ion:180	Resp:	285717
Ion Ratio	Lower	Upper
180	100	
182	97.1	75.9 113.9
145	28.3	22.4 33.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.410 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

Instrument :

MSVOA_V

ClientSampleId :

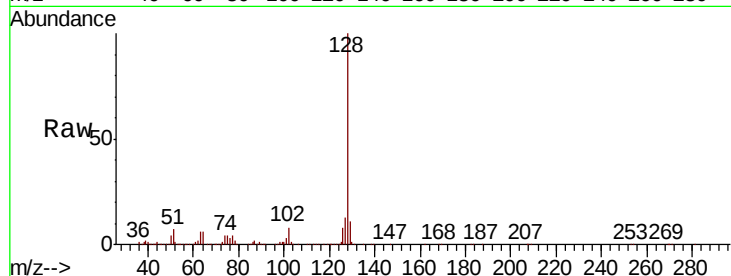
Tot Ion:128 Resp: 441093

Ion Ratio Lower Upper

128 100

129 10.6 8.6 13.0

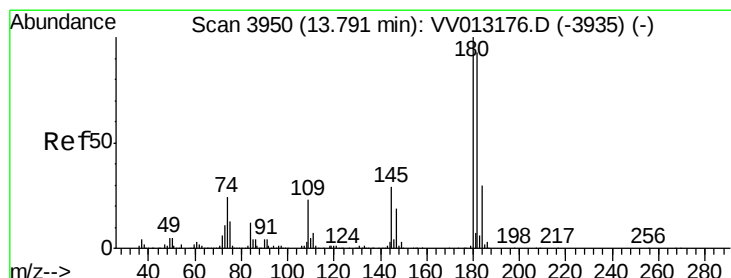
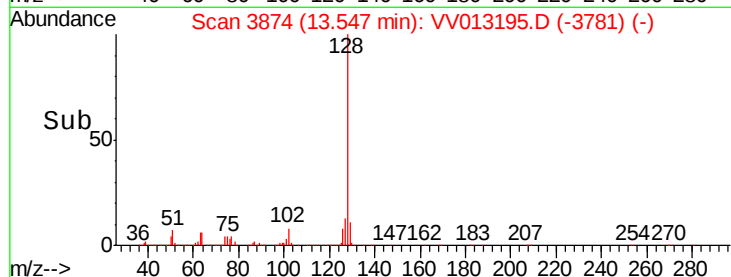
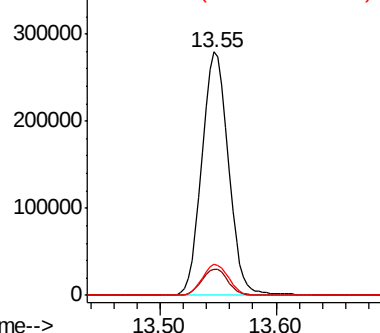
127 12.6 10.4 15.6



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: 4.474 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013195.D

Acq: 18 Oct 2019 02:59

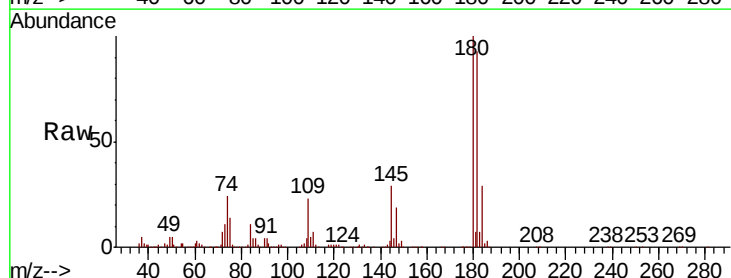
Tgt Ion:180 Resp: 292580

Ion Ratio Lower Upper

180 100

182 95.1 76.5 114.7

145 30.4 23.8 35.6



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

