

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
 Data File : VV013474.D
 Acq On : 01 Nov 2019 19:29
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10.0ML/MSVOA V/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 02 04:01:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:55:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	664194	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	640231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	363068	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	237474	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.56%
7) Chloroethane-d5	1.58	69	181557	26.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.44%
10) 1,1-Dichloroethene-d2	2.13	63	390648	24.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.08%
20) 2-Butanone-d5	3.92	46	228134	52.00	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.00%
24) Chloroform-d	4.40	84	454420	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	266480	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.00%
29) Benzene-d6	5.09	84	918476	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	6.11	67	287937	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.44%
37) Toluene-d8	7.36	98	834545	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.12%
38) trans-1,3-Dichloropropene-	7.66	79	120108	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	8.13	63	142085	57.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	259030	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	334555	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	217844	21.029	ug/L	98
3) Chloromethane	1.25	50	250062	23.685	ug/L	97
5) Vinyl chloride	1.32	62	233759	22.611	ug/L	98
6) Bromomethane	1.53	94	111084	22.859	ug/L	99
8) Chloroethane	1.60	64	131756	22.961	ug/L	99
9) Trichlorofluoromethane	1.77	101	317951	22.462	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	187575	22.204	ug/L	99
12) 1,1-Dichloroethene	2.14	96	176418	22.093	ug/L	93
13) Acetone	2.18	43	154137	30.056	ug/L	98
14) Carbon disulfide	2.32	76	689114	22.247	ug/L	100
15) Methyl Acetate	2.45	43	178254	23.094	ug/L	100
16) Methylene chloride	2.53	84	250163	20.237	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	576383	21.998	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	232533	21.836	ug/L	95
19) 1,1-Dichloroethane	3.23	63	426331	21.961	ug/L	98
21) 2-Butanone	4.01	43	245899	46.490	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	243843	21.788	ug/L	97

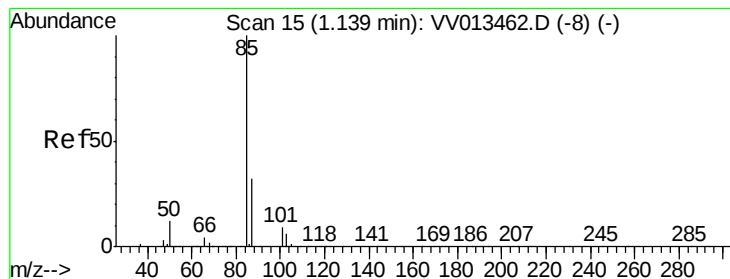
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110119\
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 Quant Title : VOC Analysis
 QLast Update : Sat Nov 02 03:55:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	118929	22.138	ug/L	99
25) Chloroform	4.42	83	435648	21.921	ug/L	100
27) 1,2-Dichloroethane	5.17	62	304369	22.054	ug/L	98
30) Cyclohexane	4.72	56	395847	22.896	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	363388	22.365	ug/L	99
32) Carbon tetrachloride	4.87	117	320102	22.123	ug/L	99
34) Benzene	5.14	78	949607	22.612	ug/L	100
35) Trichloroethene	5.96	95	254631	22.458	ug/L	100
36) Methylcyclohexane	6.17	83	408025	22.991	ug/L	99
40) 1,2-Dichloropropane	6.22	63	240844	22.769	ug/L	100
41) Bromodichloromethane	6.55	83	299077	21.970	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	337829	21.542	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	439880	45.057	ug/L	98
44) Toluene	7.43	91	987176	23.006	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	297919	22.162	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	190579	22.488	ug/L	99
47) Tetrachloroethene	8.02	164	219984	22.883	ug/L	98
49) 2-Hexanone	8.18	43	340447	47.901	ug/L	97
50) Dibromochloromethane	8.29	129	225488	22.253	ug/L	97
51) 1,2-Dibromoethane	8.39	107	197539	22.550	ug/L	98
52) Chlorobenzene	8.92	112	649120	22.355	ug/L	99
53) Ethylbenzene	9.05	91	1081296	22.867	ug/L	100
54) m,p-Xylene	9.18	106	417131	23.453	ug/L	97
55) o-xylene	9.58	106	397611	23.638	ug/L	97
56) Styrene	9.60	104	703585	24.122	ug/L	99
57) Isopropylbenzene	9.97	105	1078535	23.768	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	245456	22.577	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	208352	22.868	ug/L	100
62) Bromoform	9.77	173	152645	21.216	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	550665	21.969	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	560817	21.880	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	503946	21.634	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45166	21.079	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	428410	21.615	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	355594	21.043	ug/L	98
69) Naphthalene	13.55	128	716390	21.922	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	344153	21.767	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 21.029 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

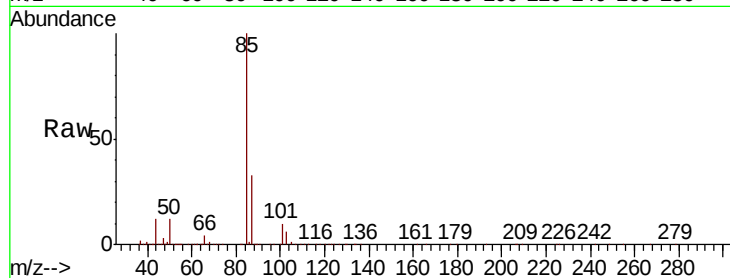
ClientSampled :

Tot Ion: 85 Resp: 217844

Ion Ratio Lower Upper

85 100

87 33.0 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013462.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV013462.D (-8) (-)

1.14

200000

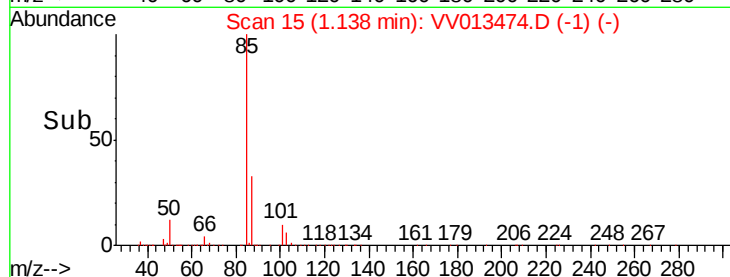
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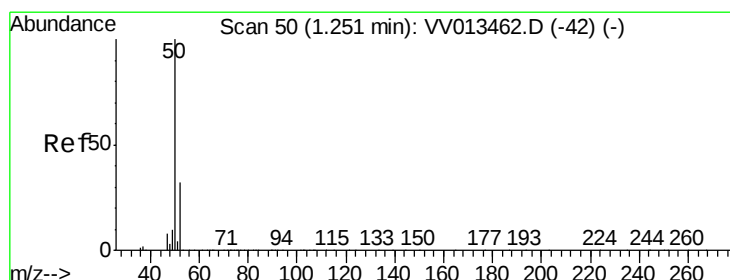
50000

0

Time-->



Time-->



#3

Chloromethane

Concen: 23.685 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013474.D

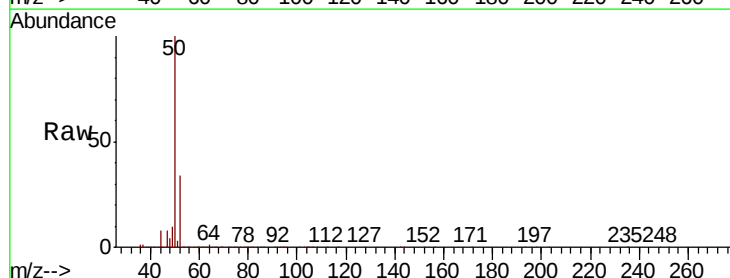
Acq: 01 Nov 2019 19:29

Tgt Ion: 50 Resp: 250062

Ion Ratio Lower Upper

50 100

52 33.6 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VV013462.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV013462.D (-42) (-)

1.25

250000

200000

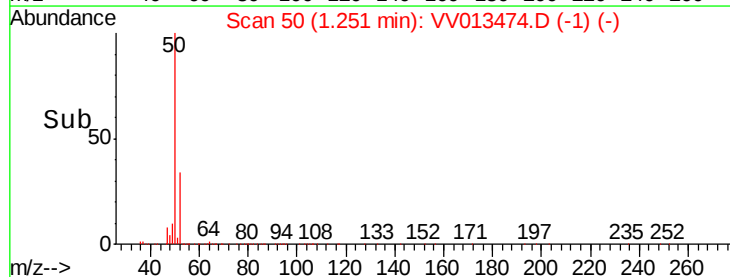
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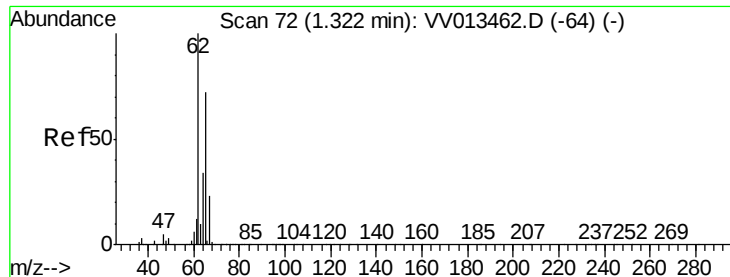
50000

0

Time-->



Time-->



#5

Vinyl chloride

Concen: 22.611 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

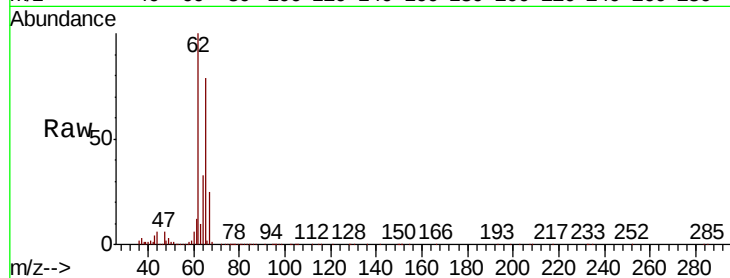
Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 233759

Ion	Ratio	Lower	Upper
62	100		
64	32.8	23.8	44.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

250000

200000

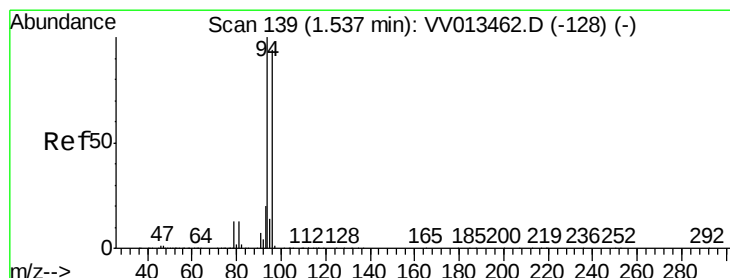
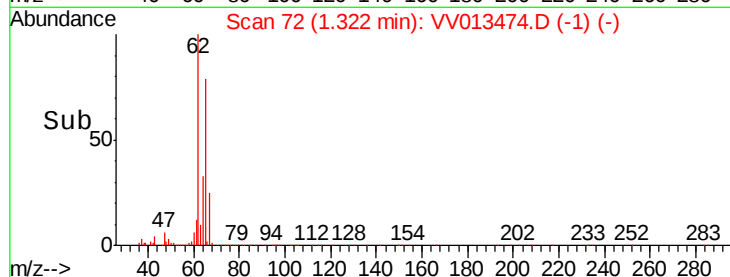
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 22.859 ug/L

RT: 1.53 min Scan# 136

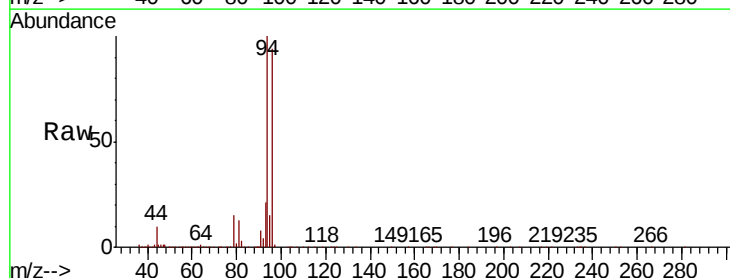
Delta R.T. -0.01 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Tgt Ion: 94 Resp: 111084

Ion	Ratio	Lower	Upper
94	100		
96	94.5	9.4	177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

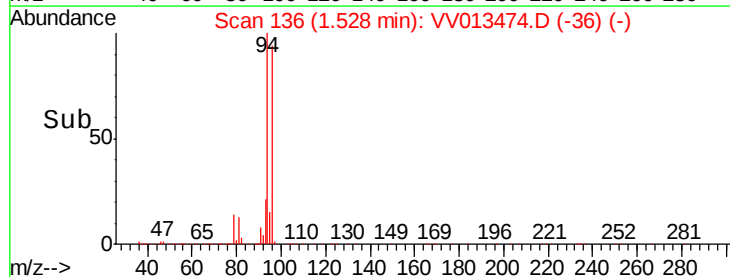
60000

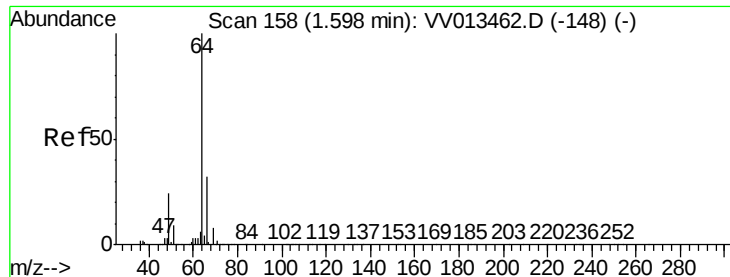
40000

20000

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Time-->

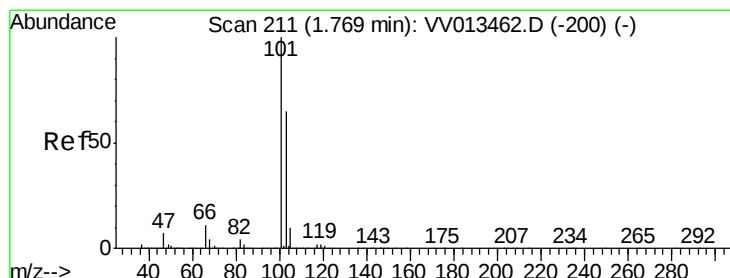
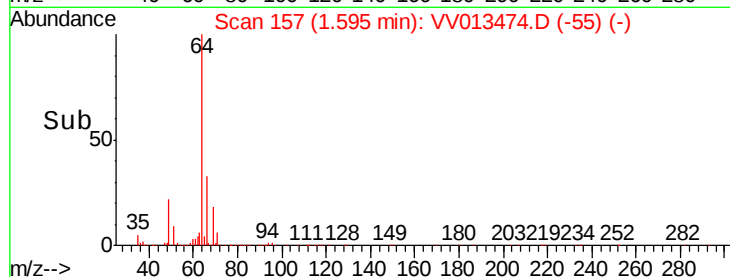
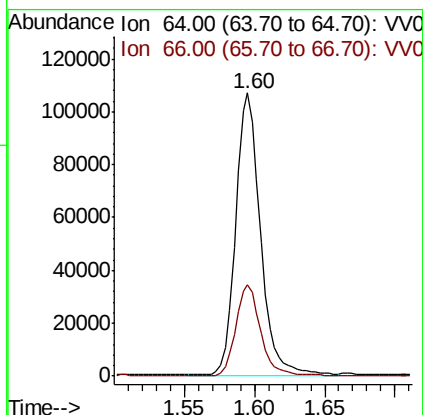
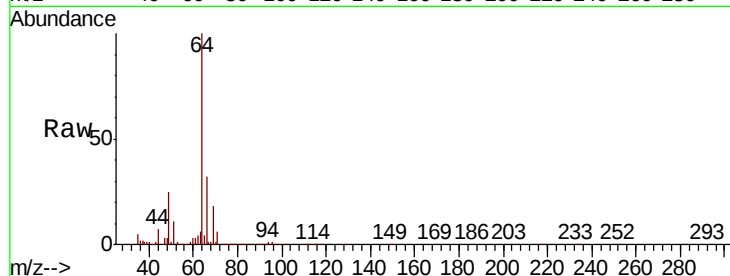




#8
Chloroethane
Concen: 22.961 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

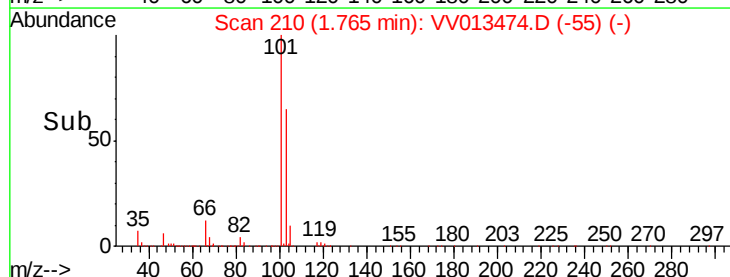
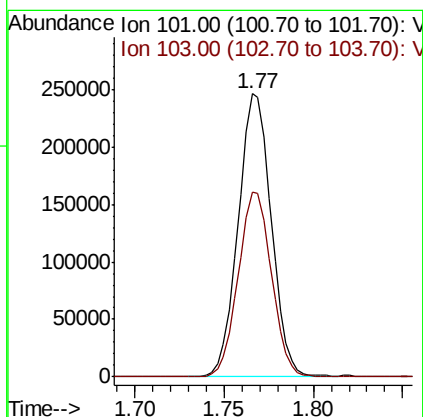
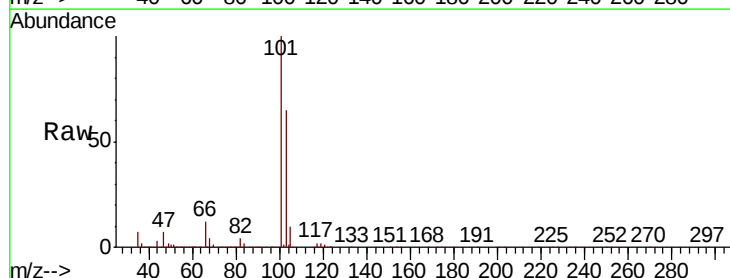
Instrument :
MSVOA_V
ClientSampleId :

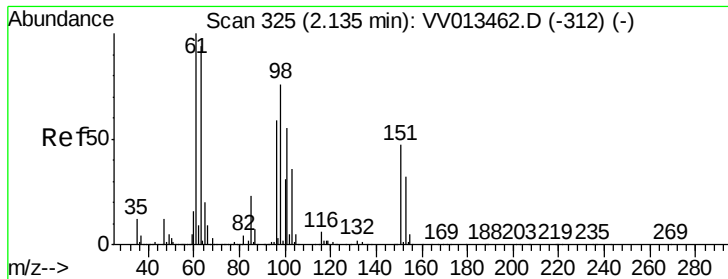
Tot Ion: 64 Resp: 131756
Ion Ratio Lower Upper
64 100
66 32.5 22.3 41.3



#9
Trichlorofluoromethane
Concen: 22.462 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 101 Resp: 317951
Ion Ratio Lower Upper
101 100
103 65.9 45.1 83.9





#11

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

Concen: 22.204 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013474.D

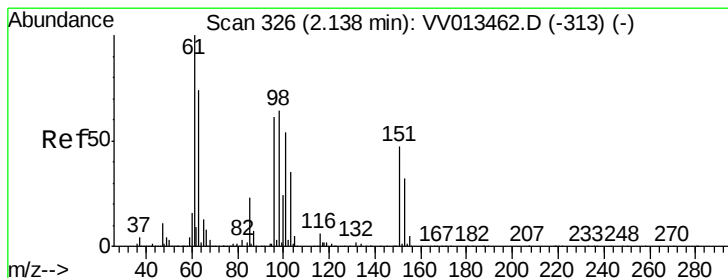
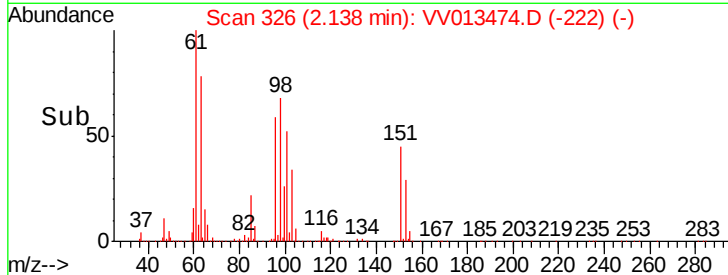
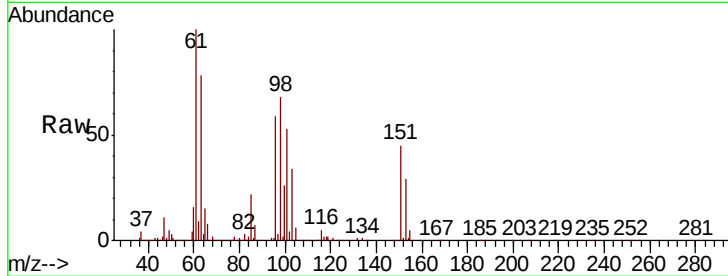
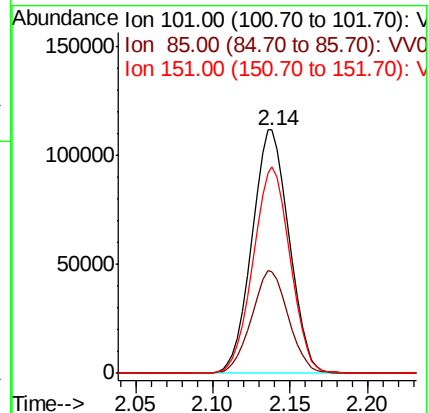
Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:	101	Resp:	187575
Ion	Ratio	Lower	Upper
101	100		
85	41.9	33.1	49.7
151	84.5	68.3	102.5



#12

1,1-Dichloroethene

Concen: 22.093 ug/L

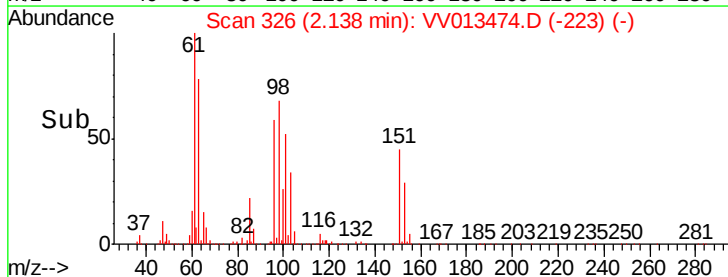
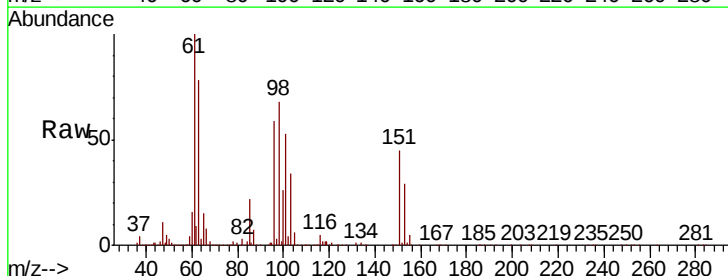
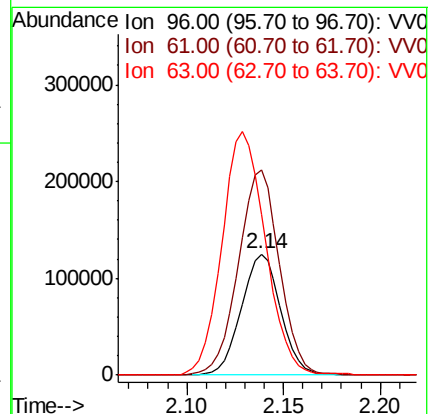
RT: 2.14 min Scan# 326

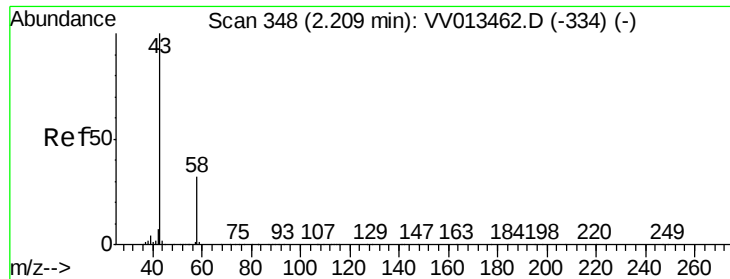
Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Tgt Ion:	96	Resp:	176418
Ion	Ratio	Lower	Upper
96	100		
61	169.4	114.7	212.9
63	132.1	84.7	157.3





#13

Acetone

Concen: 30.056 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.03 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

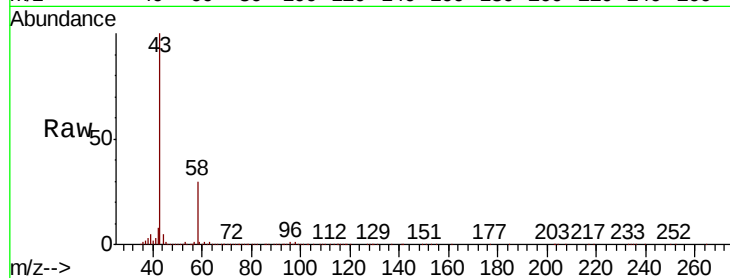
ClientSampled :

Tot Ion: 43 Resp: 154137

Ion Ratio Lower Upper

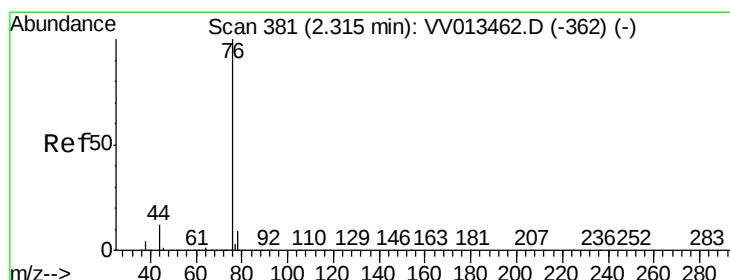
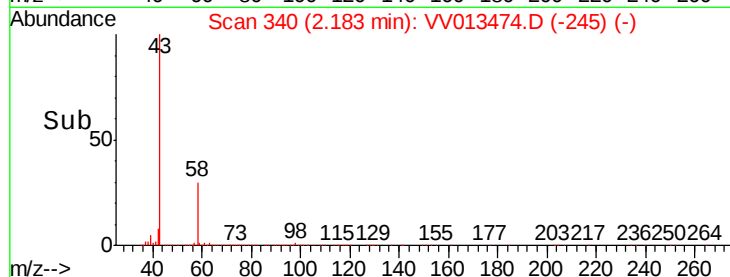
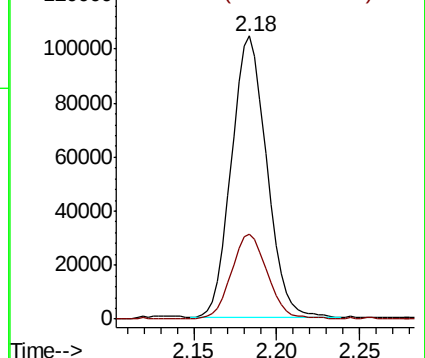
43 100

58 30.7 0.0 63.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 22.247 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013474.D

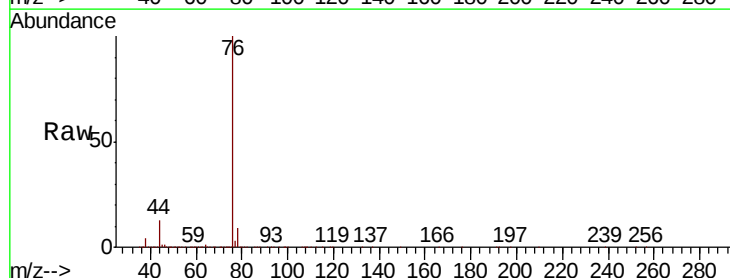
Acq: 01 Nov 2019 19:29

Tgt Ion: 76 Resp: 689114

Ion Ratio Lower Upper

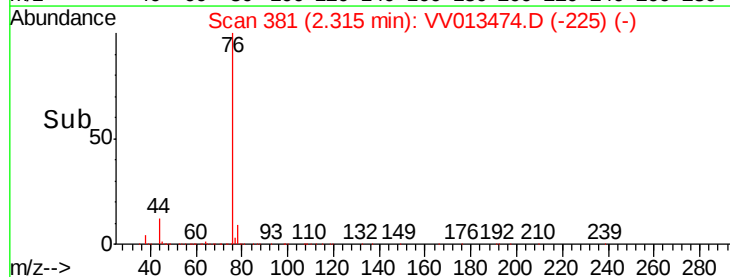
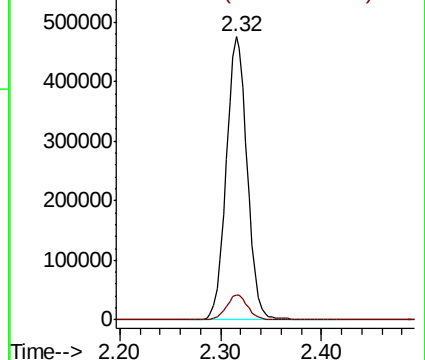
76 100

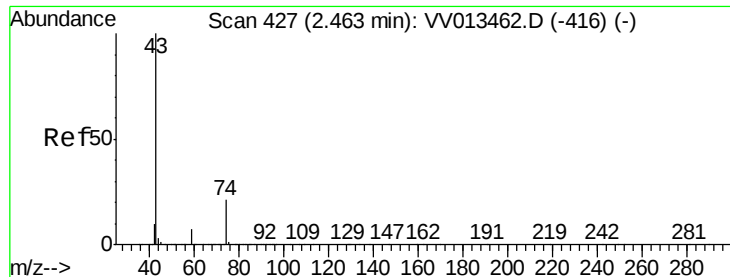
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

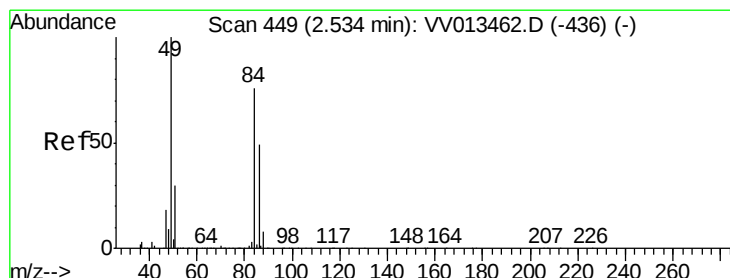
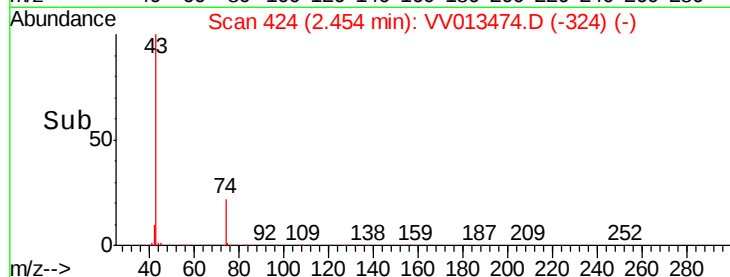
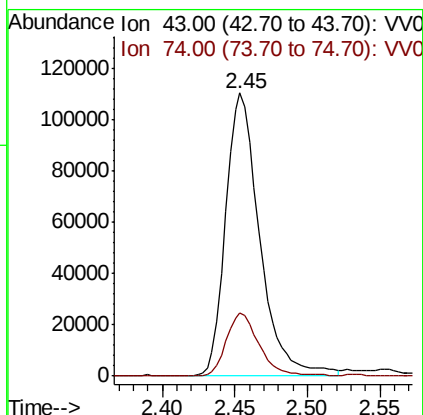
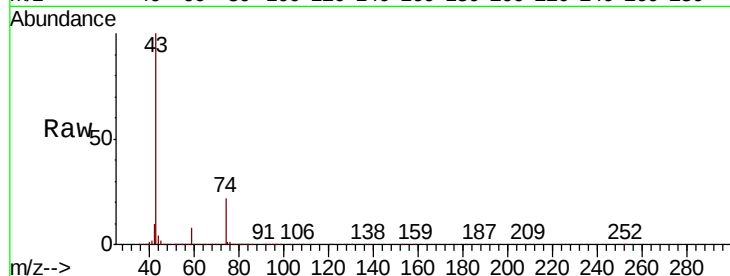




#15
Methvl Acetate
Concen: 23.094 ug/L
RT: 2.45 min Scan# 424
Delta R.T. -0.01 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

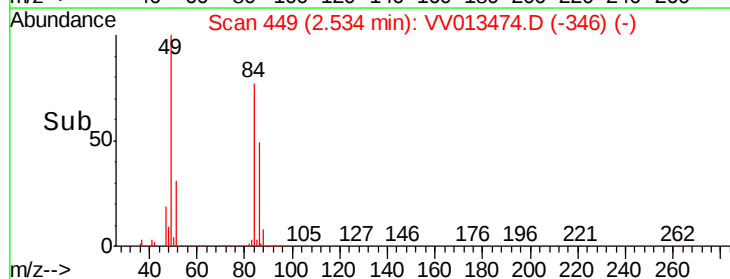
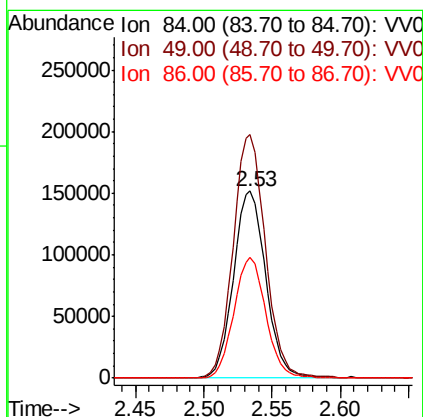
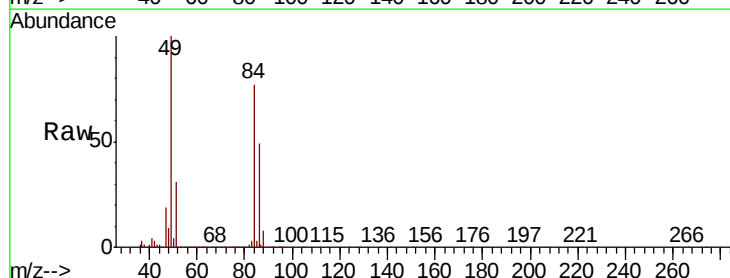
Instrument :
MSVOA_V
ClientSampleId :

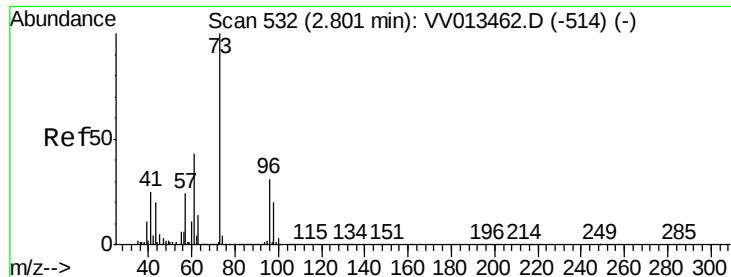
Tot Ion: 43 Resp: 178254
Ion Ratio Lower Upper
43 100
74 21.0 16.9 25.3



#16
Methylene chloride
Concen: 20.237 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 84 Resp: 250163
Ion Ratio Lower Upper
84 100
49 130.4 92.4 171.6
86 64.4 45.1 83.7

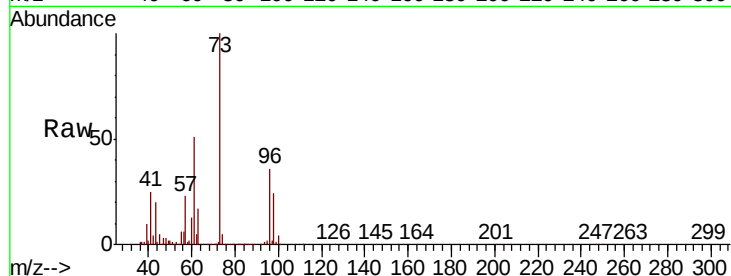




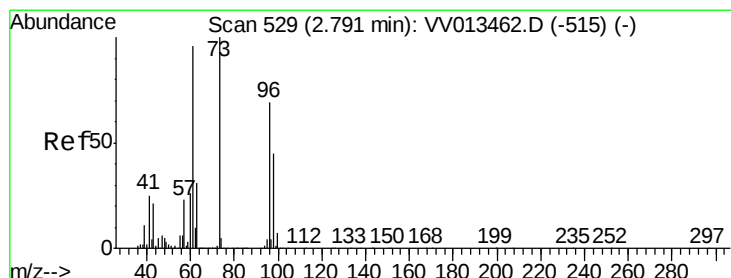
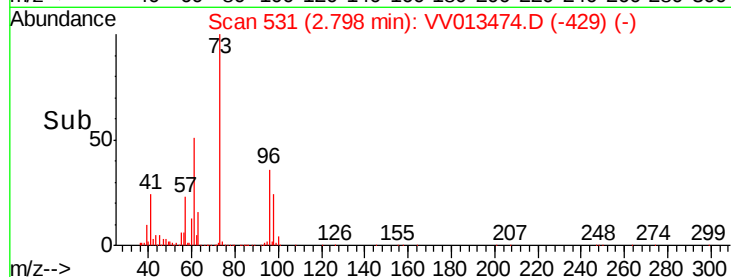
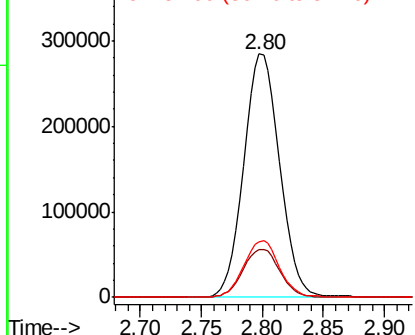
#17
Methvl tert-butvl Ether
Concen: 21.998 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 73 Resp: 576383
Ion Ratio Lower Upper
73 100
43 20.2 16.2 24.2
57 23.1 18.6 27.8

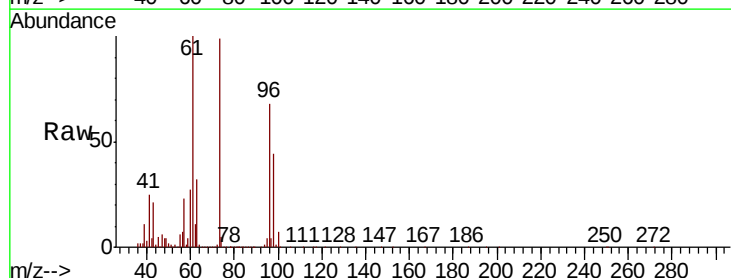


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

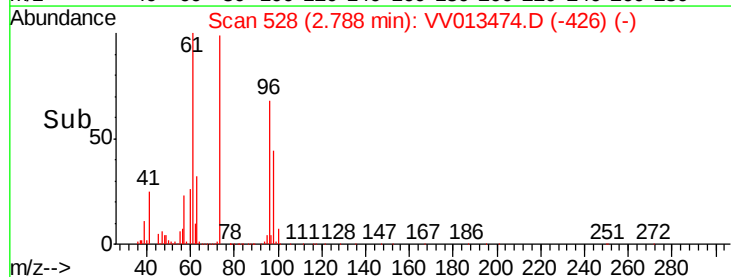
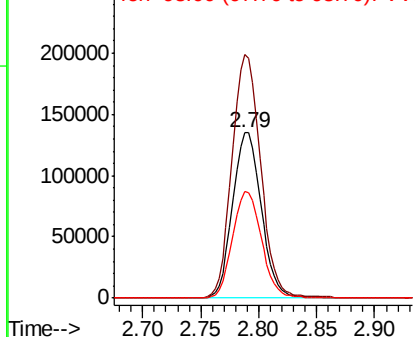


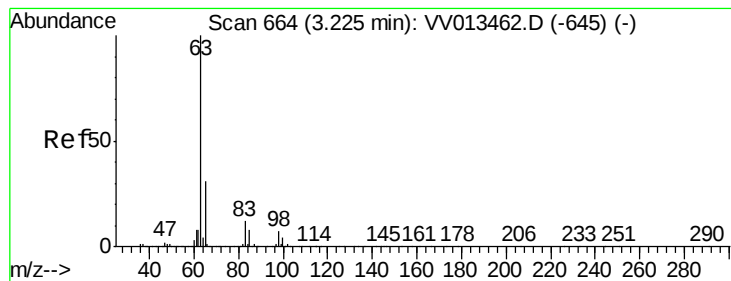
#18
trans-1,2-Dichloroethene
Concen: 21.836 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 96 Resp: 232533
Ion Ratio Lower Upper
96 100
61 147.6 98.0 182.0
98 64.3 45.6 84.8



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





#19

1,1-Dichloroethane

Concen: 21.961 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

ClientSampled :

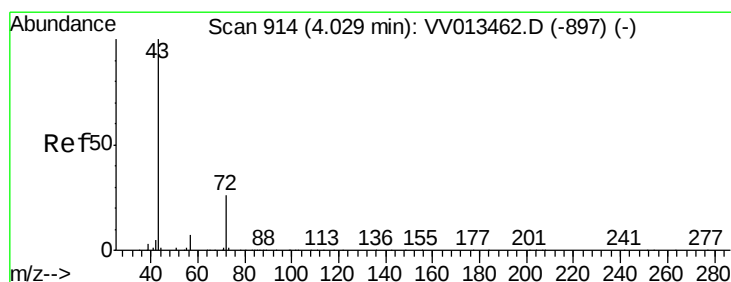
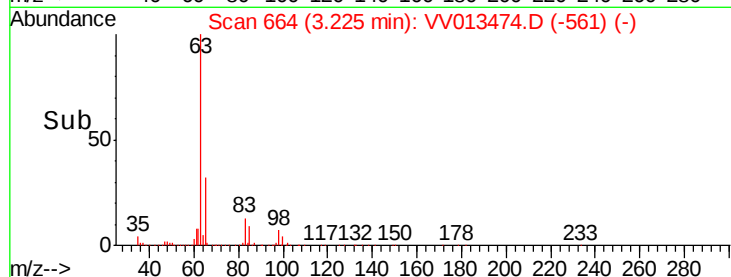
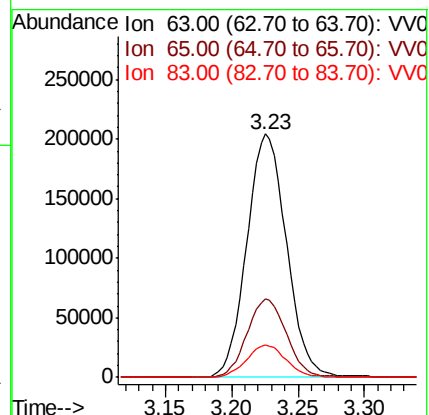
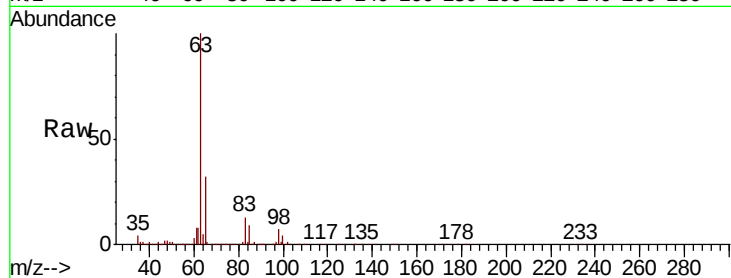
Tot Ion: 63 Resp: 426331

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

83 13.2 8.8 16.3



#21

2-Butanone

Concen: 46.490 ug/L

RT: 4.01 min Scan# 907

Delta R.T. -0.02 min

Lab File: VV013474.D

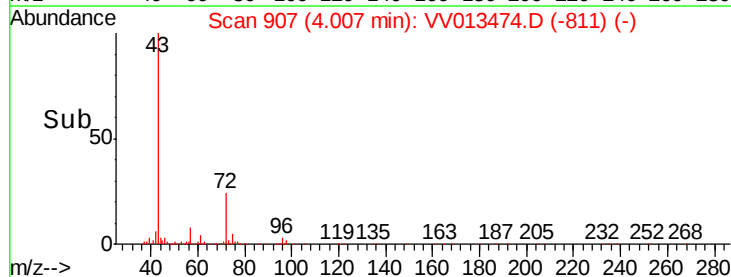
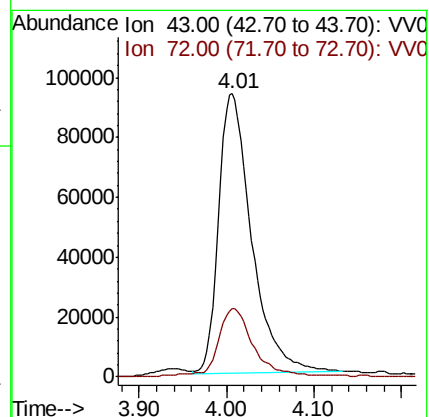
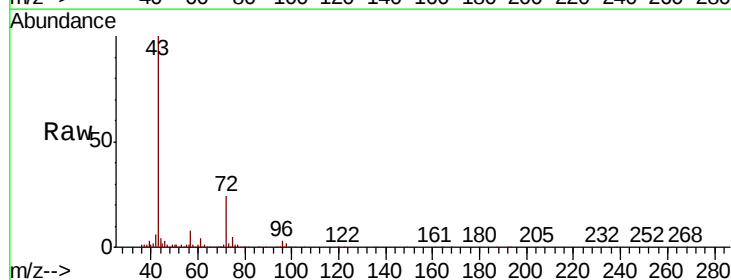
Acq: 01 Nov 2019 19:29

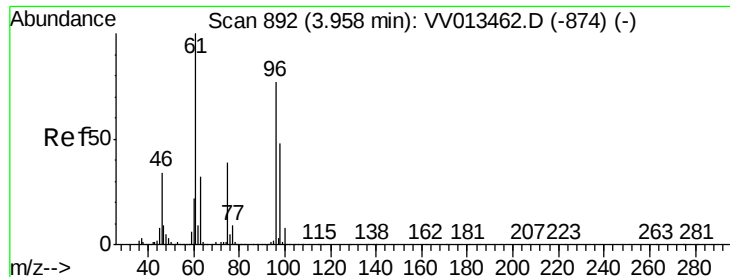
Tgt Ion: 43 Resp: 245899

Ion Ratio Lower Upper

43 100

72 23.4 12.1 36.3



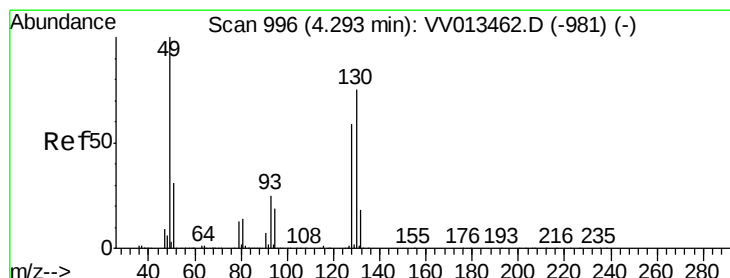
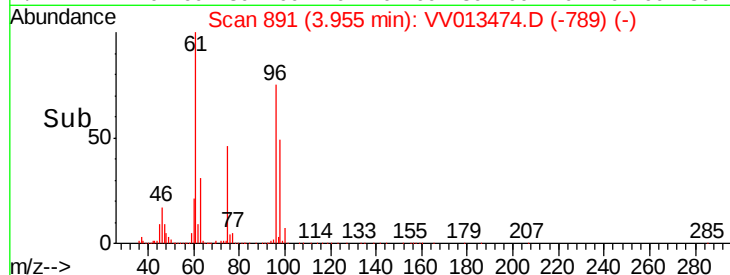
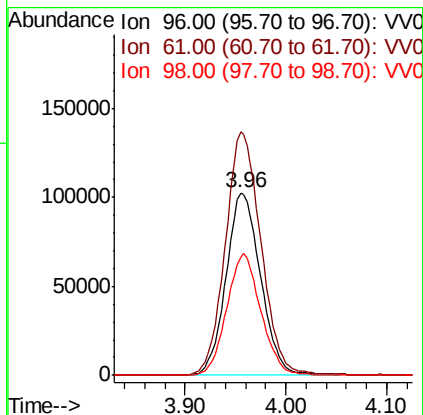
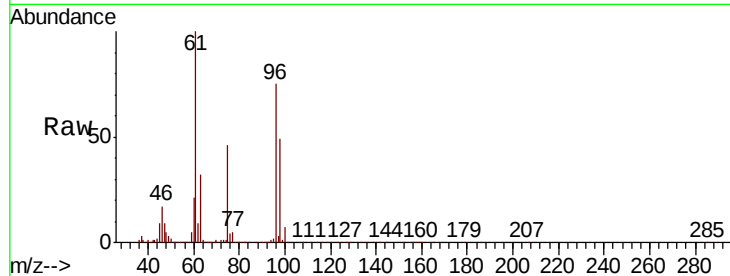


#22

cis-1,2-Dichloroethene
Concen: 21.788 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

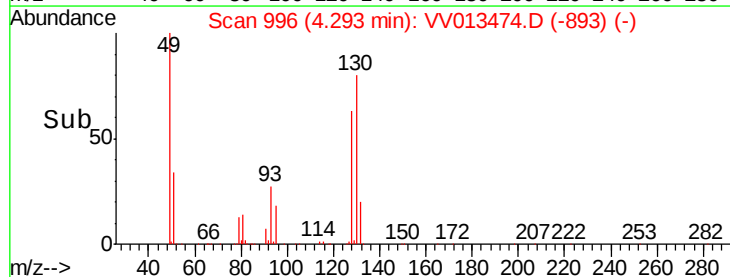
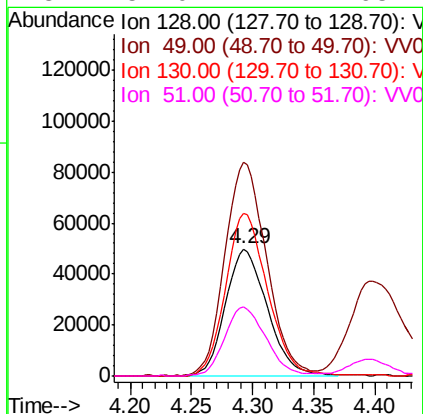
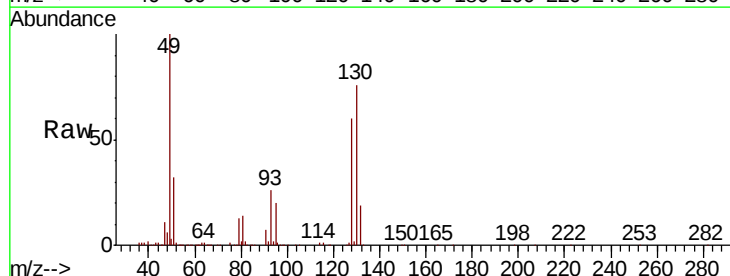
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.4	91.5	169.9
98	64.9	43.8	81.3

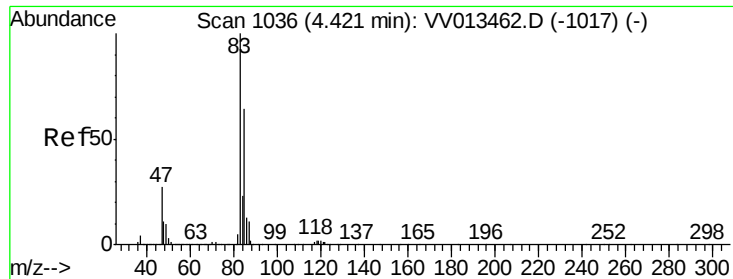


#23

Bromochloromethane
Concen: 22.138 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion	Ratio	Lower	Upper
128	100		
49	167.9	118.2	219.4
130	127.9	89.0	165.4
51	54.0	42.2	63.4

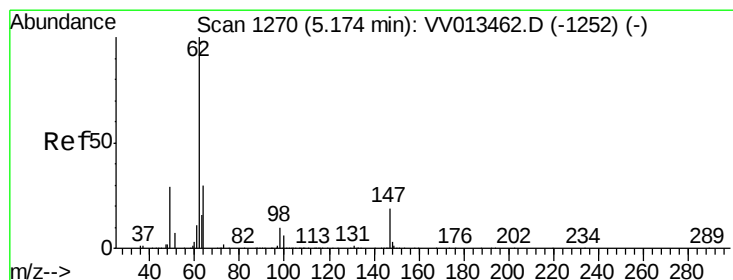
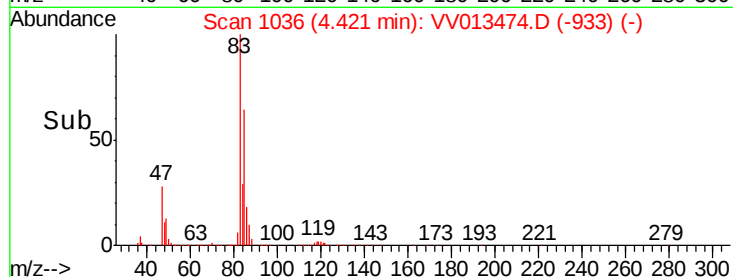
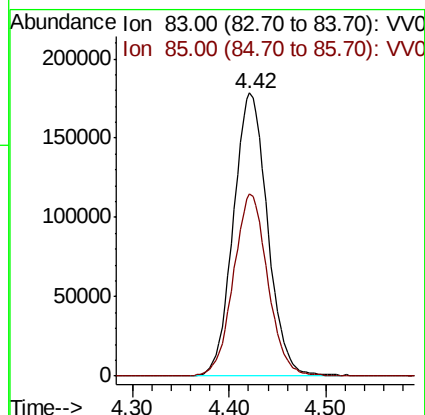
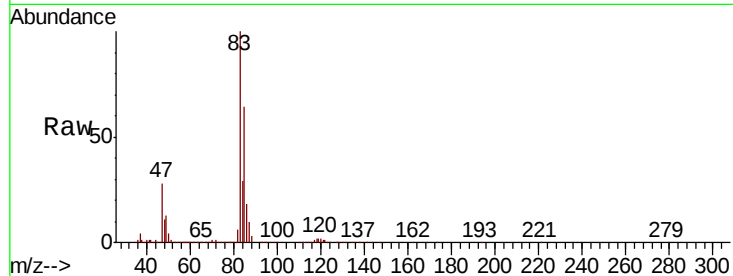




#25
Chloroform
Concen: 21.921 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

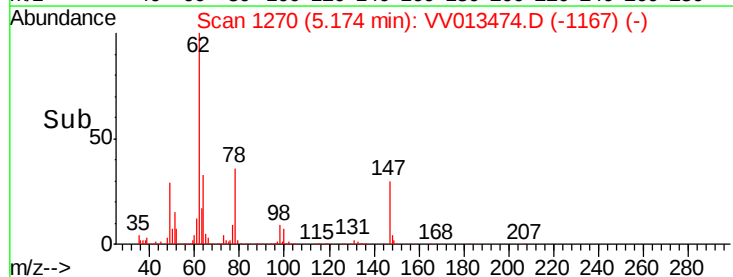
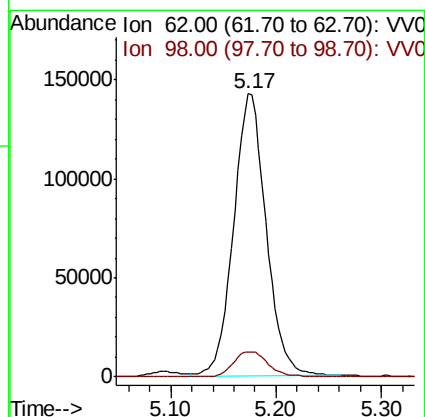
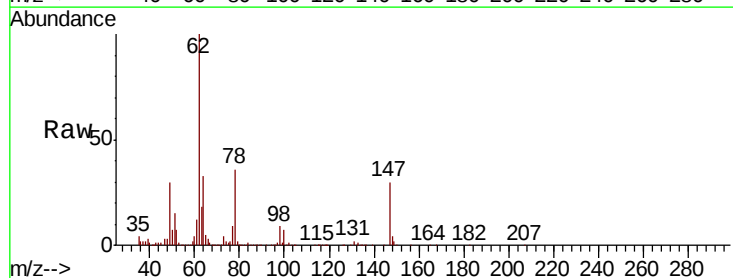
Instrument :
MSVOA_V
ClientSampleId :

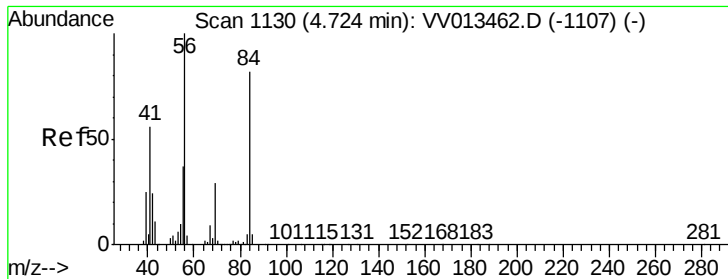
Tot Ion: 83 Resp: 435648
Ion Ratio Lower Upper
83 100
85 65.0 45.8 85.0



#27
1,2-Dichloroethane
Concen: 22.054 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 62 Resp: 304369
Ion Ratio Lower Upper
62 100
98 9.0 7.8 11.6

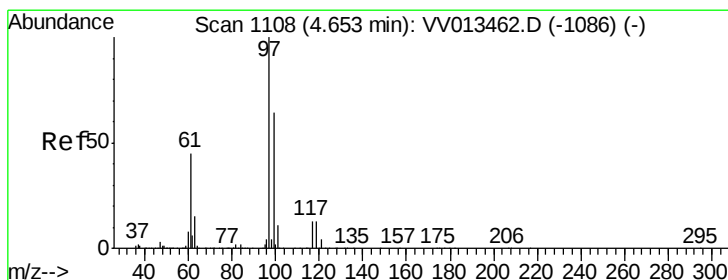
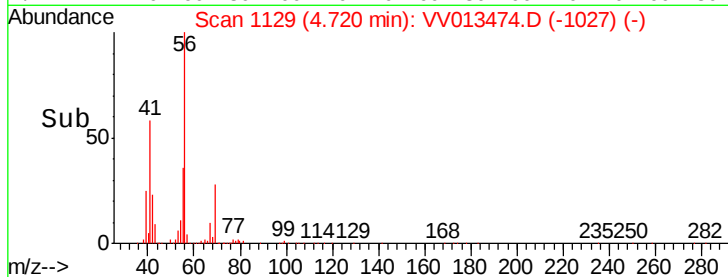
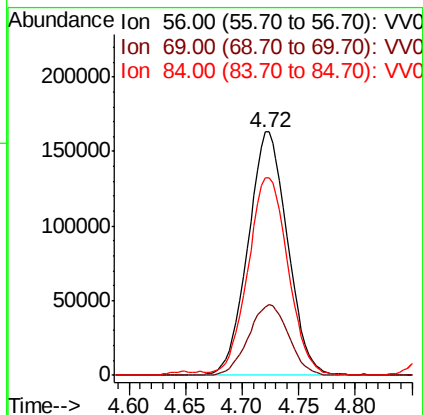
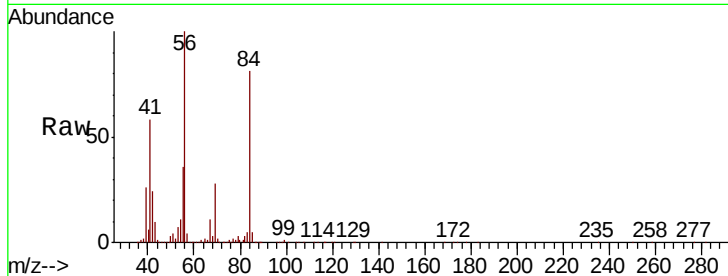




#30
Cyclohexane
Concen: 22.896 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

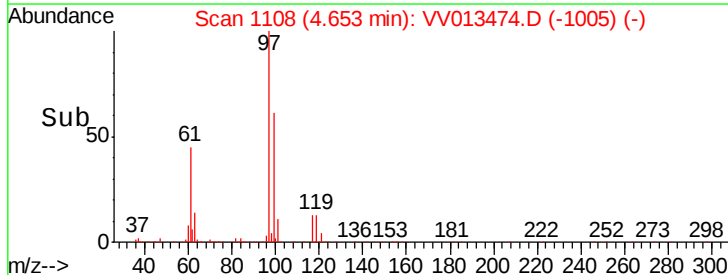
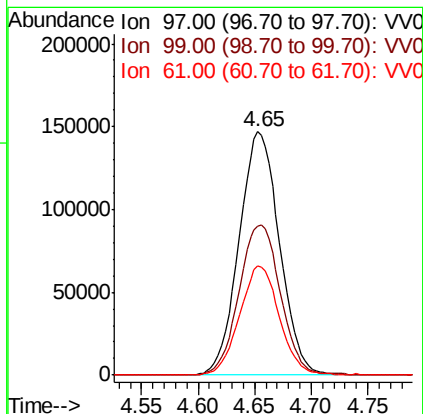
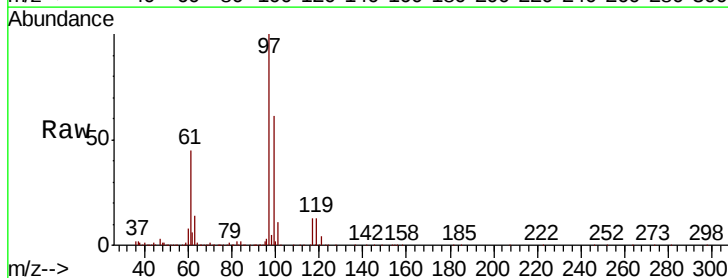
Instrument :
MSVOA_V
ClientSampleId :

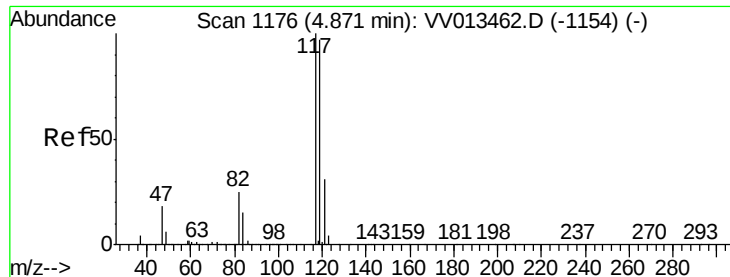
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	23.0	34.6
84	82.0	66.2	99.4



#31
1,1,1-Trichloroethane
Concen: 22.365 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.1	76.7
61	44.4	36.3	54.5



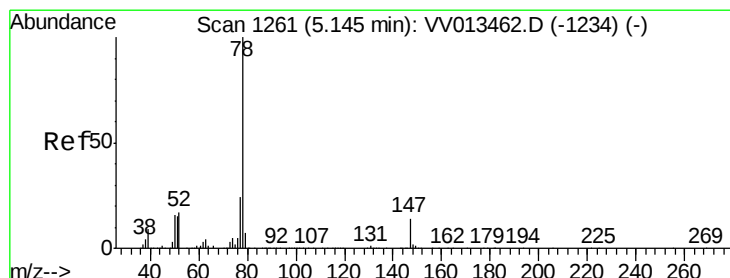
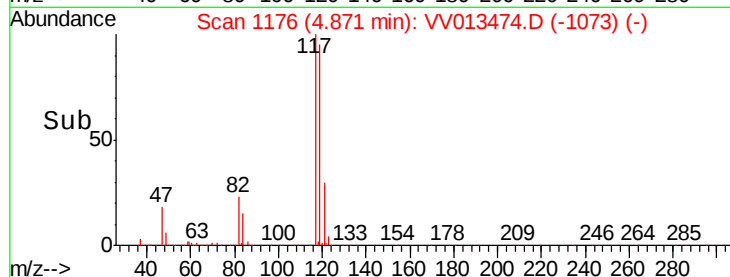
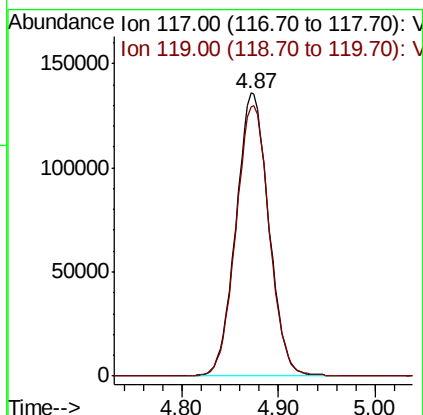
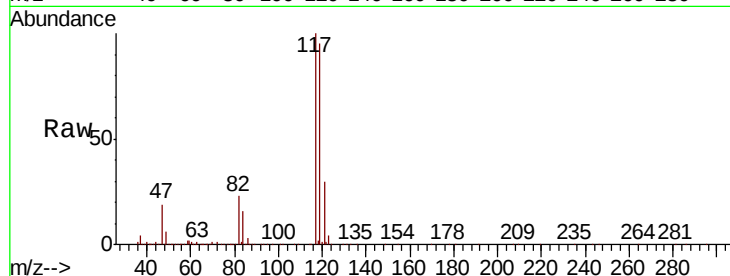


#32

Carbon tetrachloride
 Concen: 22.123 ug/L
 RT: 4.87 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

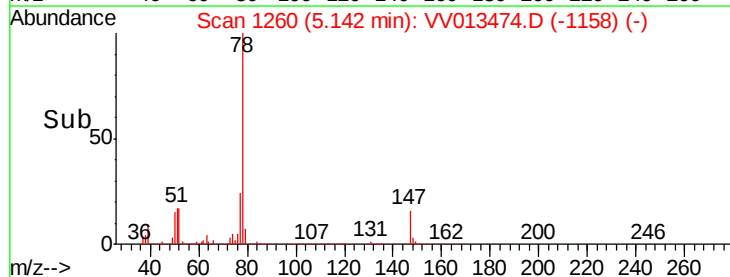
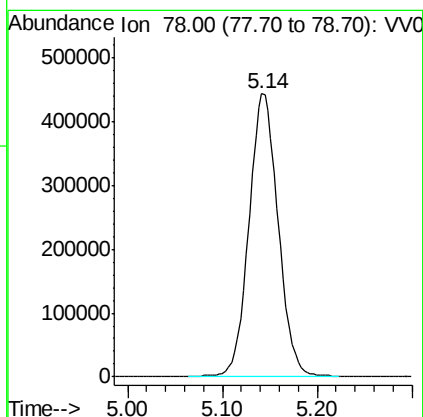
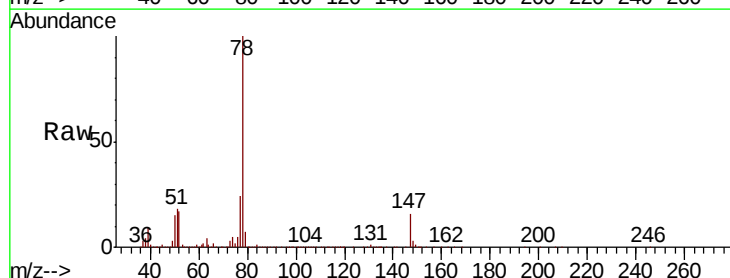
Tot Ion:117 Resp: 320102
 Ion Ratio Lower Upper
 117 100
 119 97.2 77.4 116.0

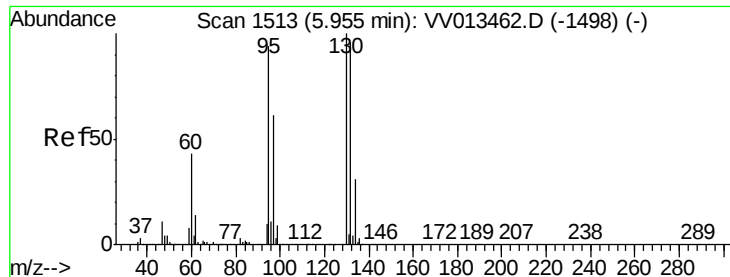


#34

Benzene
 Concen: 22.612 ug/L
 RT: 5.14 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Tgt Ion: 78 Resp: 949607





#35

Trichloroethene

Concen: 22.458 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 254631

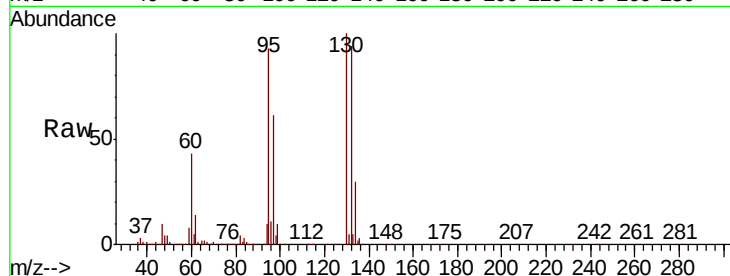
Ion Ratio Lower Upper

95 100

97 64.4 44.7 83.1

132 100.6 71.0 131.8

130 105.8 74.1 137.7

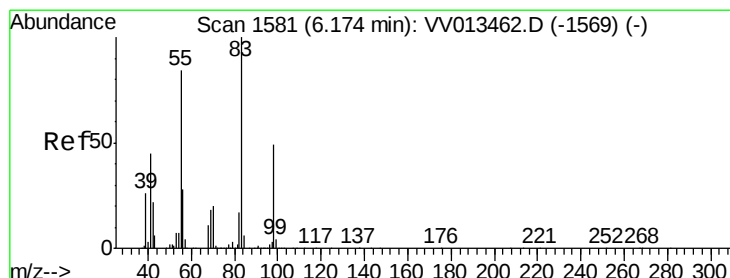
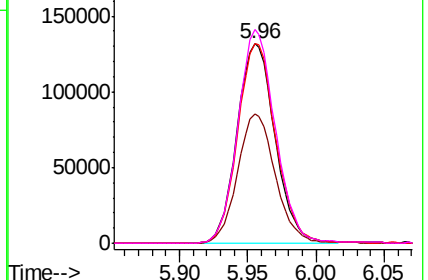
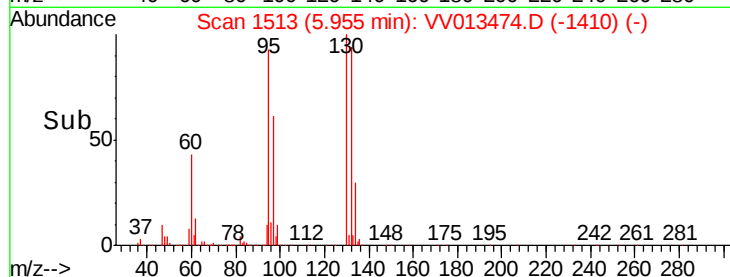


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 22.991 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

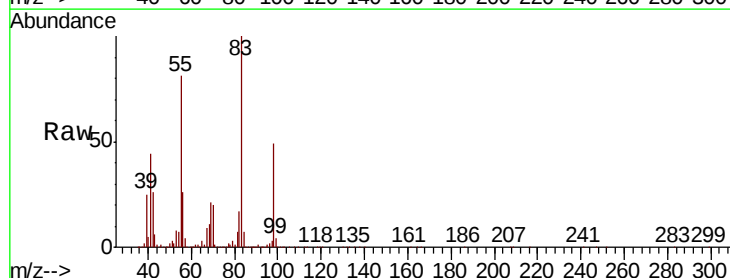
Tgt Ion: 83 Resp: 408025

Ion Ratio Lower Upper

83 100

55 79.6 64.2 96.4

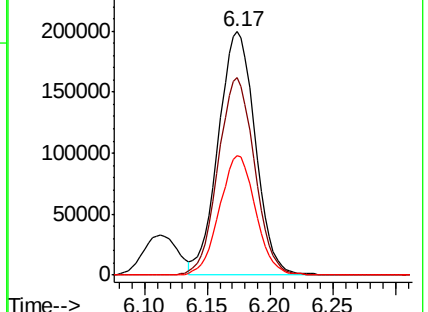
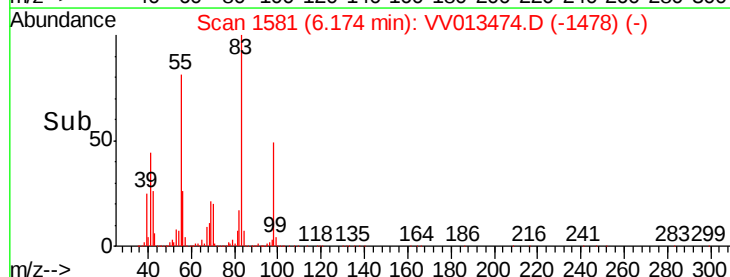
98 48.2 38.4 57.6

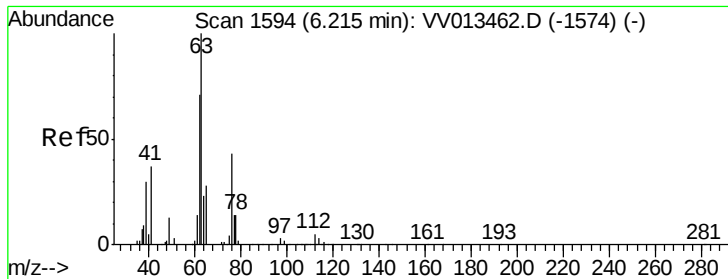


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

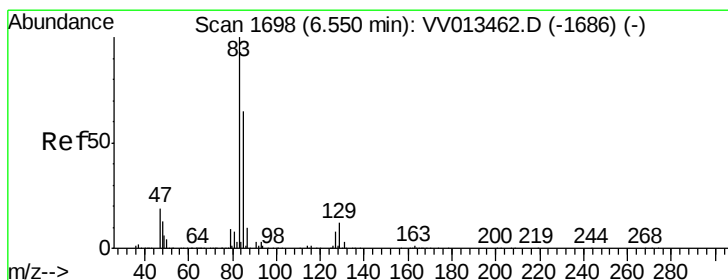
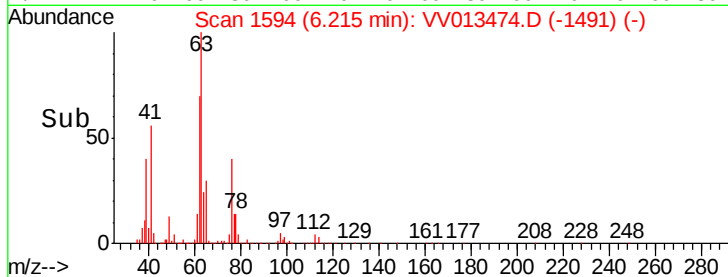
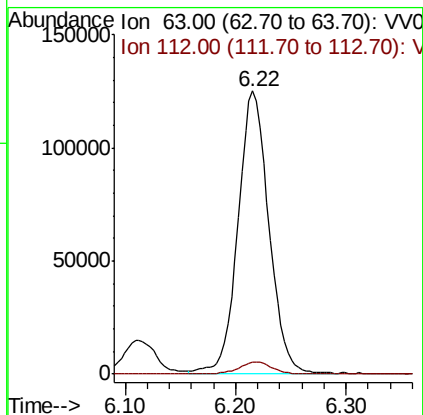
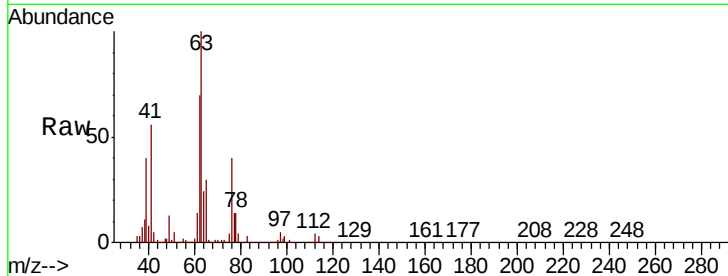




#40
 1,2-Dichloropropane
 Concen: 22.769 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

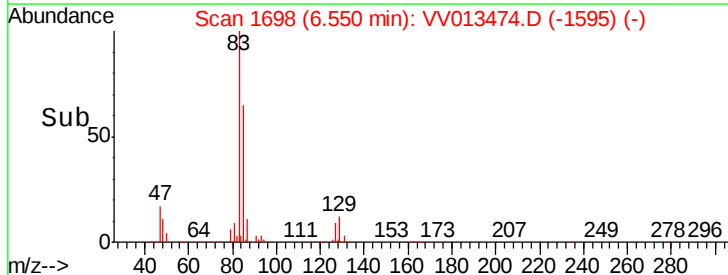
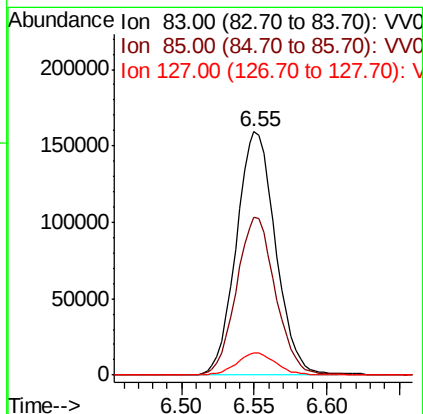
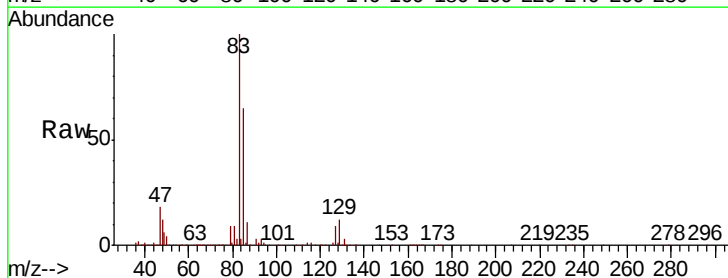
Instrument :
 MSVOA_V
 ClientSampled :

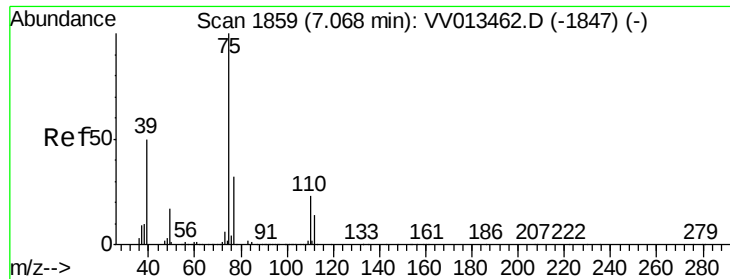
Tot Ion: 63 Resp: 240844
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#41
 Bromodichloromethane
 Concen: 21.970 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Tgt Ion: 83 Resp: 299077
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.4 84.4
 127 9.1 6.7 10.1



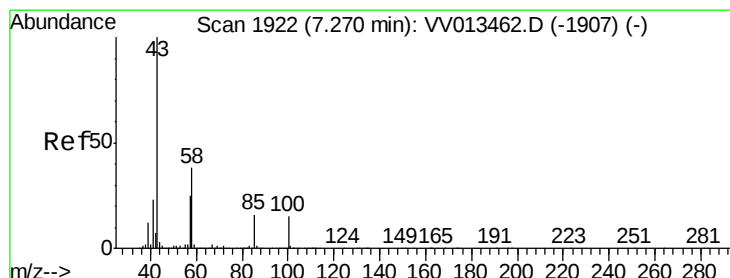
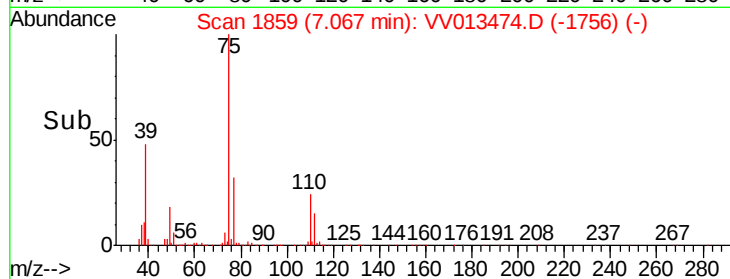
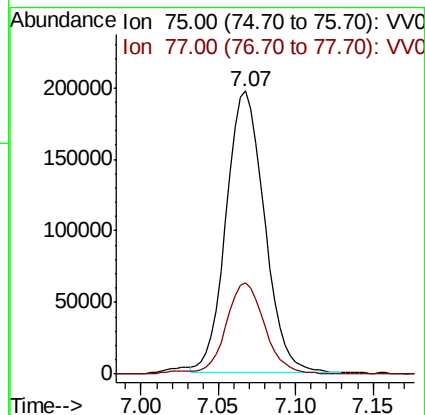
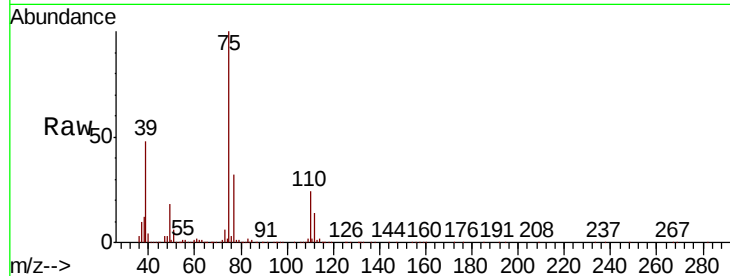


#42

cis-1,3-Dichloropropene
Concen: 21.542 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

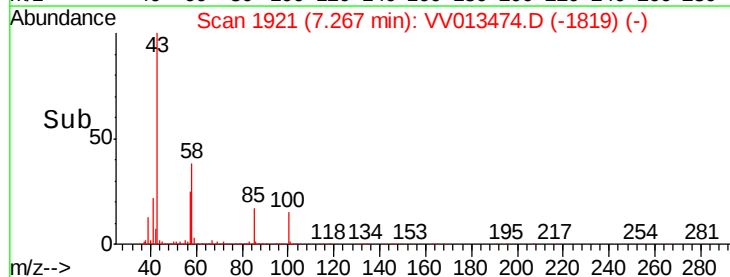
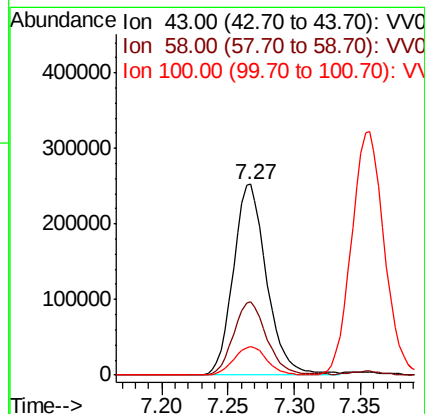
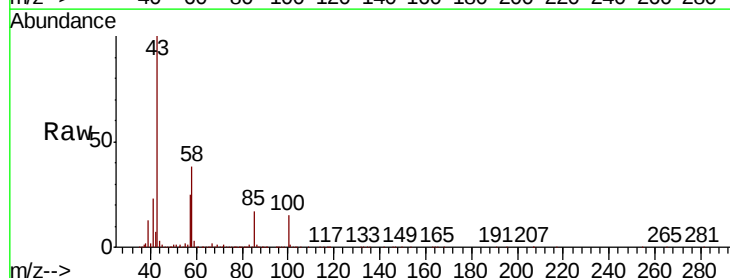
Tot Ion: 75 Resp: 337829
Ion Ratio Lower Upper
75 100
77 32.3 22.7 42.1

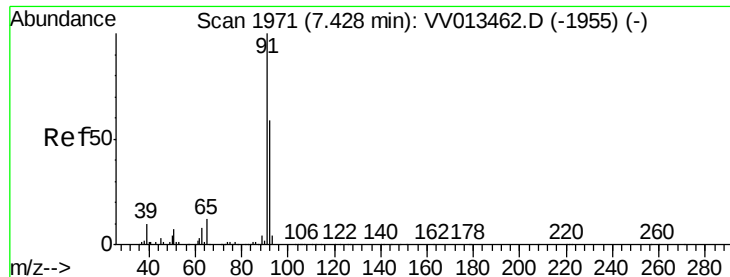


#43

4-Methyl-2-pentanone
Concen: 45.057 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 43 Resp: 439880
Ion Ratio Lower Upper
43 100
58 38.4 29.9 44.9
100 14.9 11.5 17.3





#44

Toluene

Concen: 23.006 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

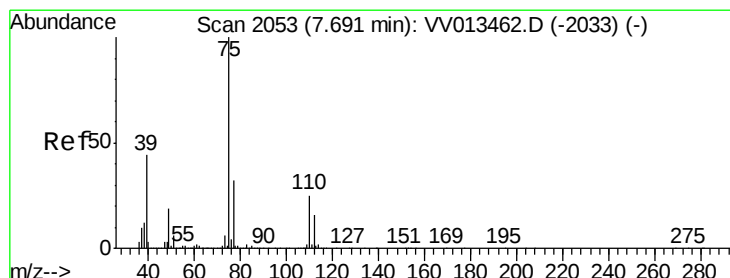
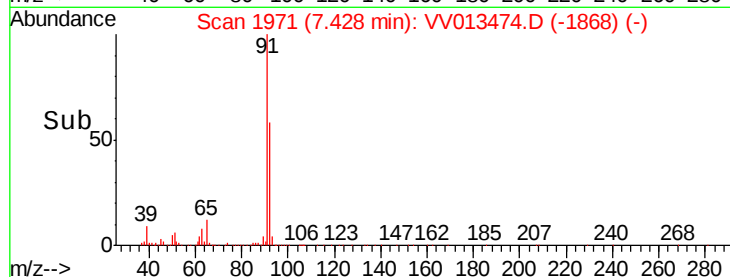
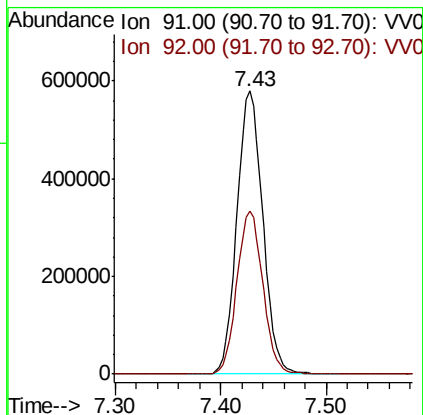
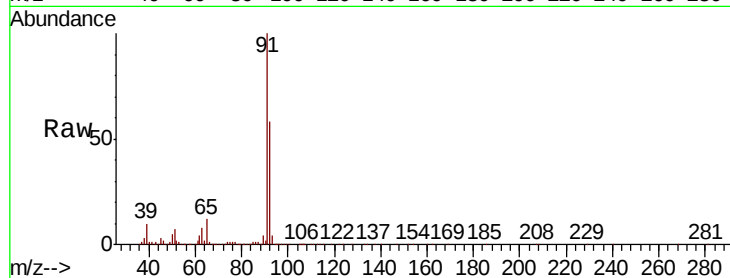
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 987176

Ion Ratio Lower Upper

91 100

92 57.8 41.4 76.8



#45

trans-1,3-Dichloropropene

Concen: 22.162 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013474.D

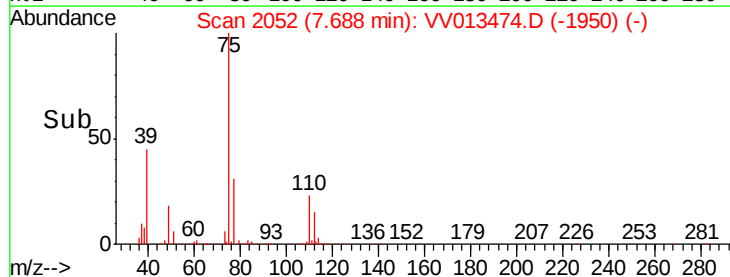
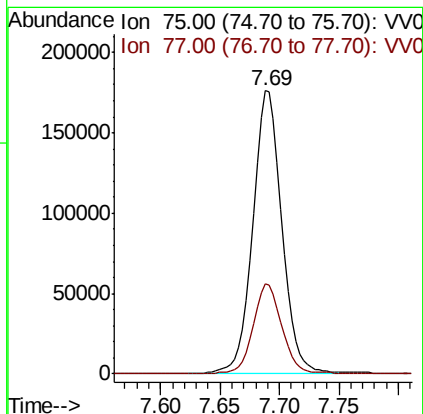
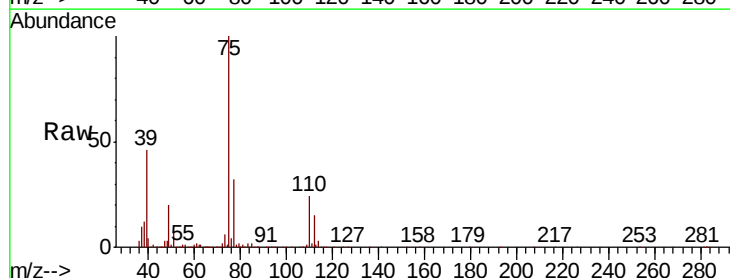
Acq: 01 Nov 2019 19:29

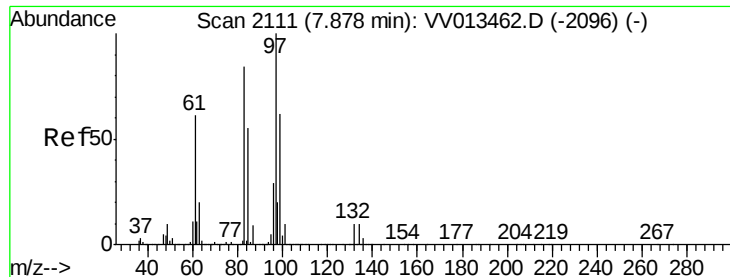
Tgt Ion: 75 Resp: 297919

Ion Ratio Lower Upper

75 100

77 31.7 22.5 41.7

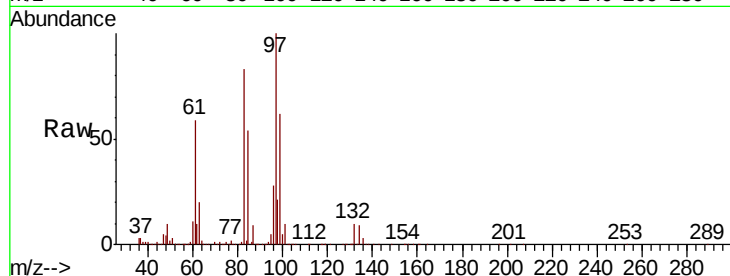




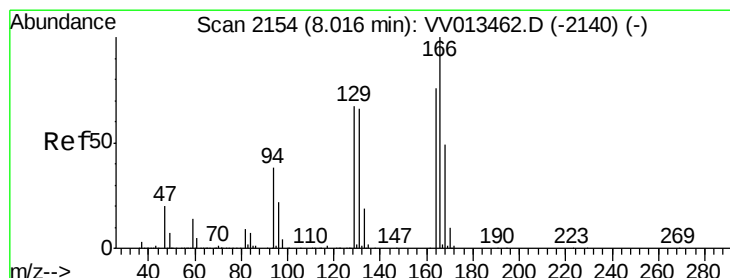
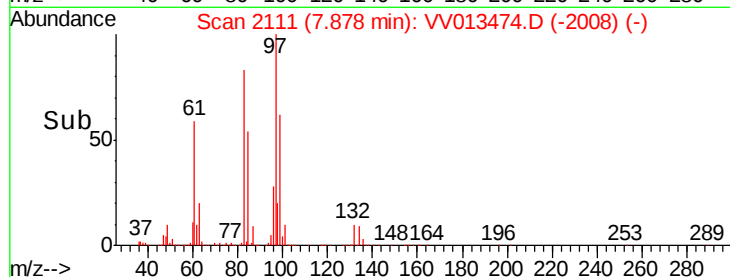
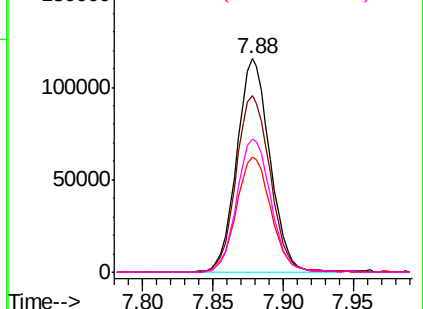
#46
 1,1,2-Trichloroethane
 Concen: 22.488 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:	97	Resp:	190579
Ion	Ratio	Lower	Upper
97	100		
83	82.7	58.9	109.3
85	53.9	38.6	71.6
99	62.3	43.6	81.0

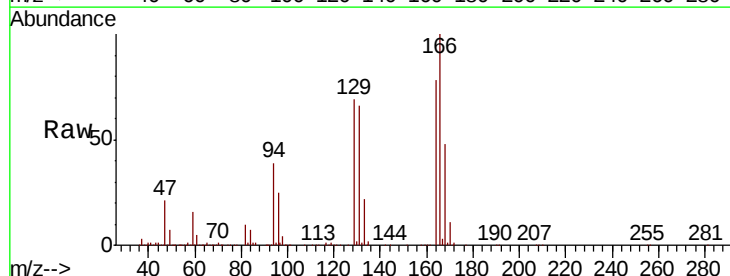


Abundance Ion 97.00 (96.70 to 97.70): VV013474.D (-2096) (-)
 Ion 83.00 (82.70 to 83.70): VV013474.D (-2096) (-)
 Ion 85.00 (84.70 to 85.70): VV013474.D (-2096) (-)
 Ion 99.00 (98.70 to 99.70): VV013474.D (-2096) (-)

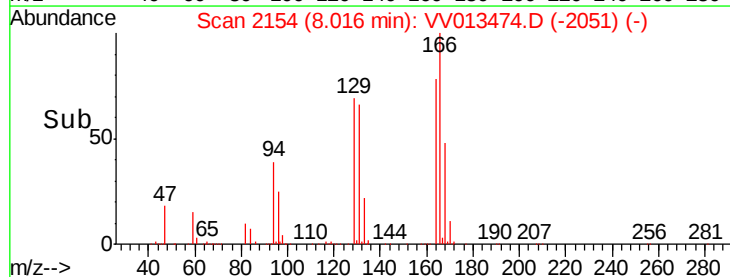
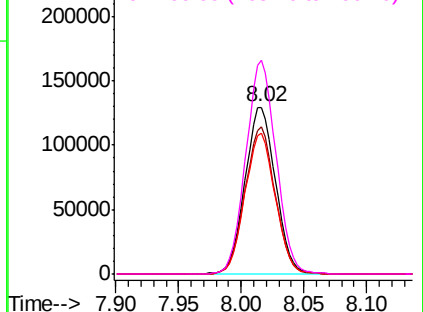


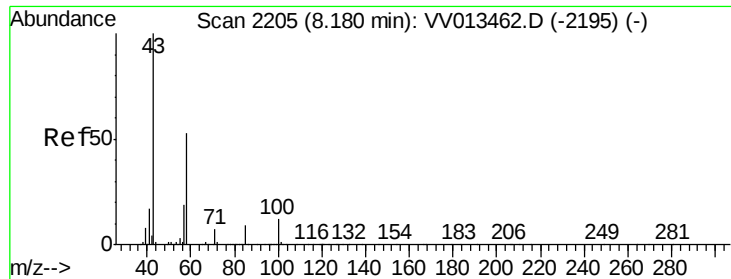
#47
 Tetrachloroethene
 Concen: 22.883 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Tgt Ion:	164	Resp:	219984
Ion	Ratio	Lower	Upper
164	100		
129	87.8	61.8	114.8
131	84.0	61.0	113.2
166	127.9	92.1	171.1



Abundance Ion 164.00 (163.70 to 164.70): VV013474.D (-2051) (-)
 Ion 129.00 (128.70 to 129.70): VV013474.D (-2051) (-)
 Ion 131.00 (130.70 to 131.70): VV013474.D (-2051) (-)
 Ion 166.00 (165.70 to 166.70): VV013474.D (-2051) (-)

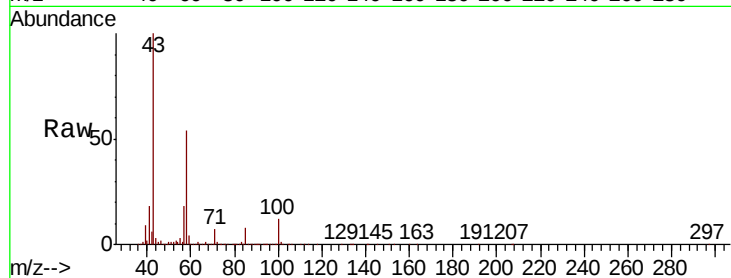




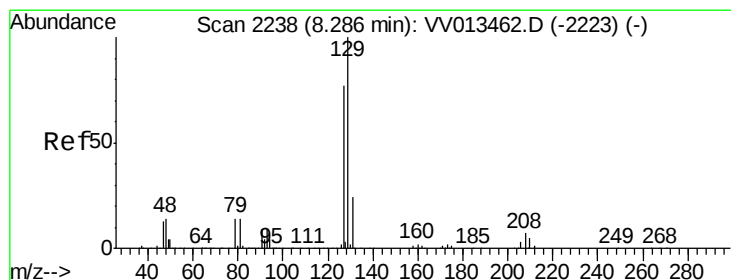
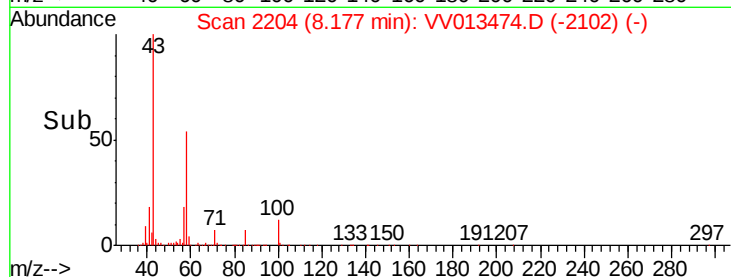
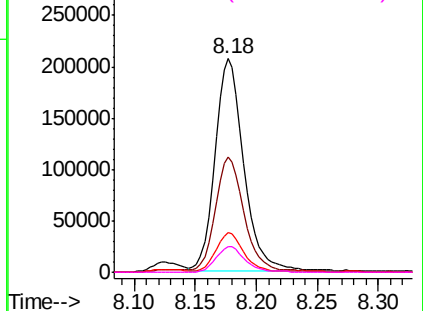
#49
2-Hexanone
Concen: 47.901 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 340447
Ion Ratio Lower Upper
43 100
58 52.3 43.8 65.8
57 17.2 15.0 22.4
100 12.1 9.4 14.2

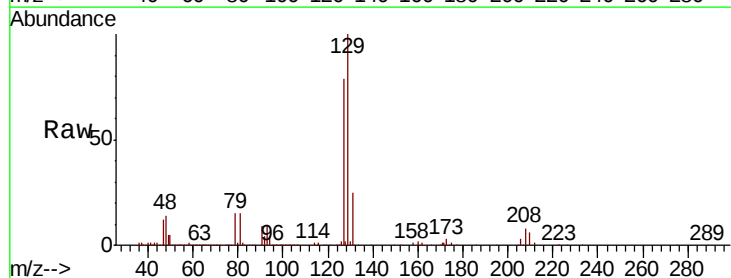


Abundance Ion 43.00 (42.70 to 43.70): VV013462.D (-2195) (-)
Ion 58.00 (57.70 to 58.70): VV013462.D (-2195) (-)
Ion 57.00 (56.70 to 57.70): VV013462.D (-2195) (-)
Ion 100.00 (99.70 to 100.70): VV013462.D (-2195) (-)

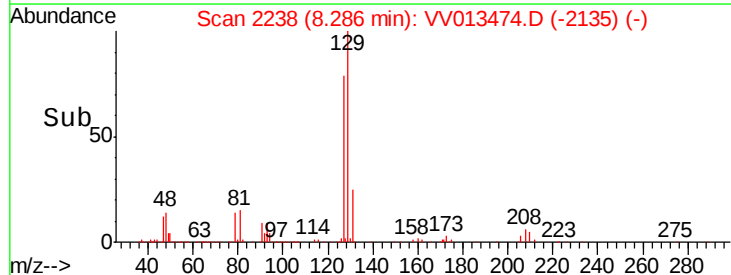
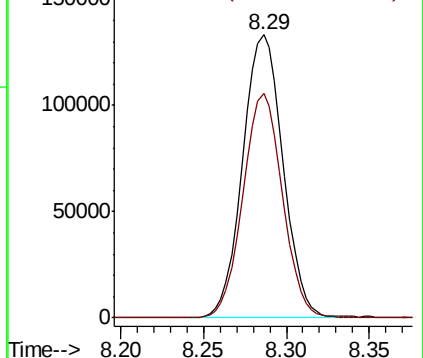


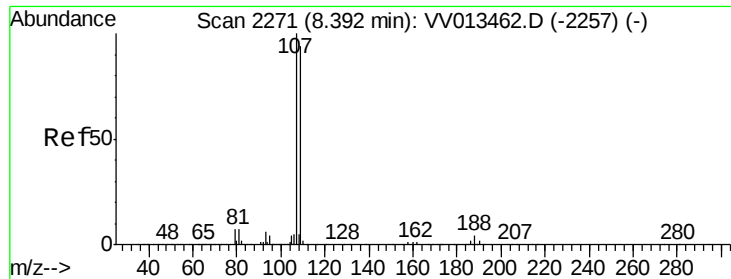
#50
Dibromochloromethane
Concen: 22.253 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013474.D
Acq: 01 Nov 2019 19:29

Tgt Ion: 129 Resp: 225488
Ion Ratio Lower Upper
129 100
127 79.2 53.9 100.1



Abundance Ion 129.00 (128.70 to 129.70): VV013462.D (-2223) (-)
Ion 127.00 (126.70 to 127.70): VV013462.D (-2223) (-)





#51

1,2-Dibromoethane

Concen: 22.550 ug/L

RT: 8.39 min Scan# 2271

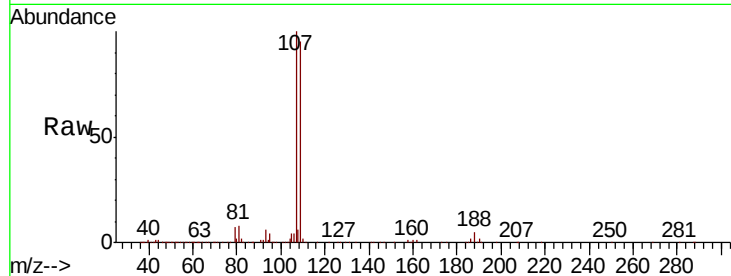
Delta R.T. -0.00 min

Lab File: VV013474.D

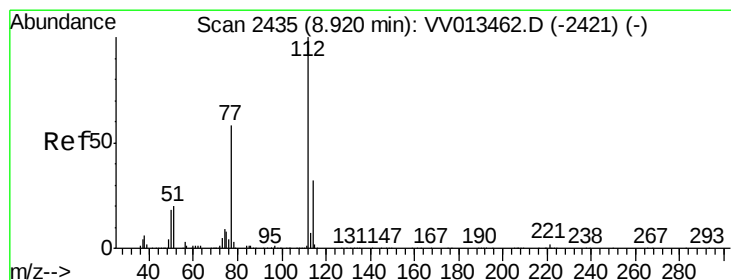
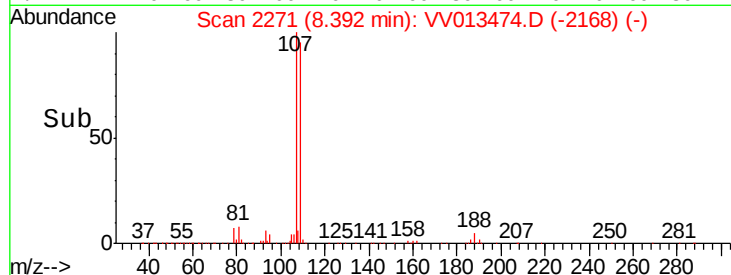
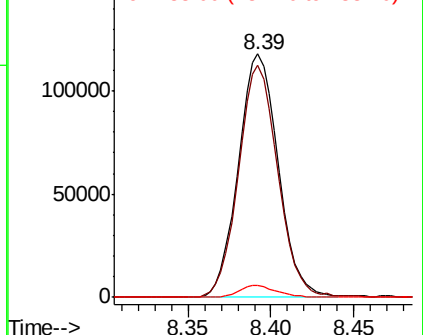
Acq: 01 Nov 2019 19:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	107	Resp:	197539
Ion	Ratio	Lower	Upper
107	100		
109	95.2	65.6	121.8
188	4.9	3.5	5.3



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



#52

Chlorobenzene

Concen: 22.355 ug/L

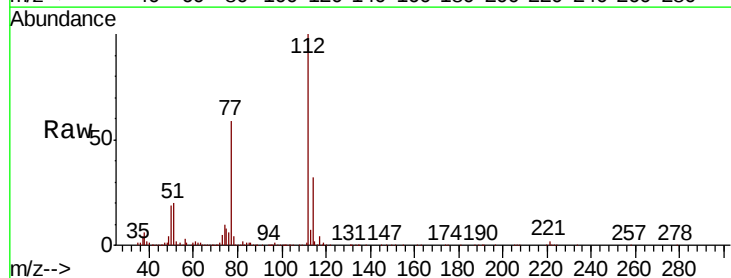
RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

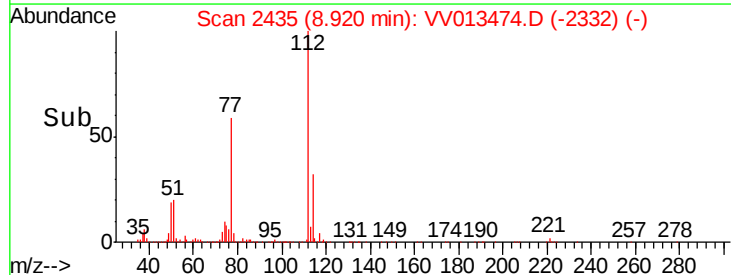
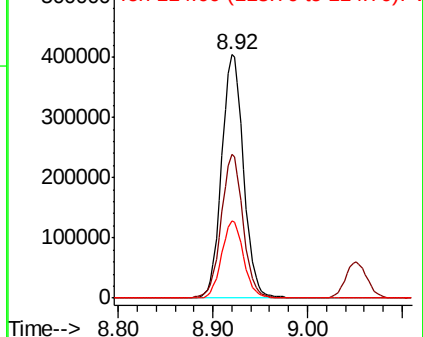
Lab File: VV013474.D

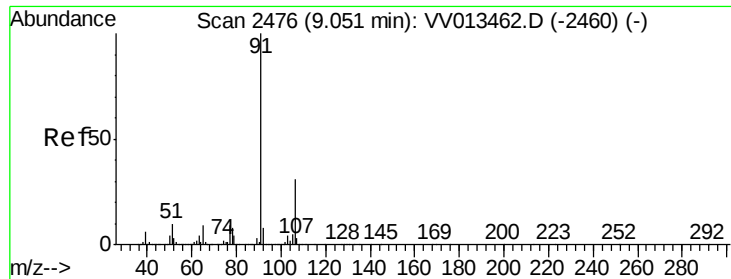
Acq: 01 Nov 2019 19:29

Tgt Ion:	112	Resp:	649120
Ion	Ratio	Lower	Upper
112	100		
77	59.2	46.6	70.0
114	31.6	22.5	41.9



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): VV0
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.867 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

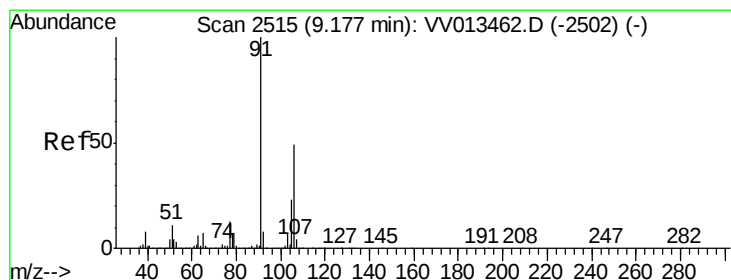
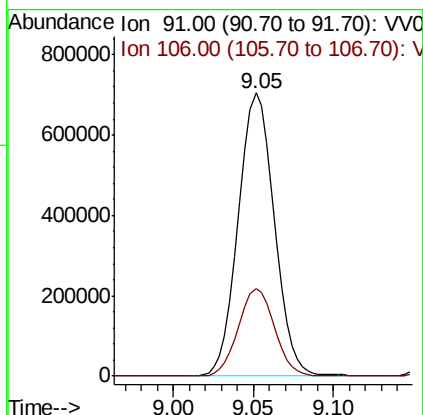
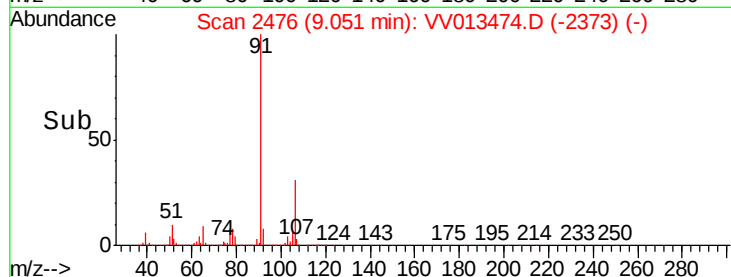
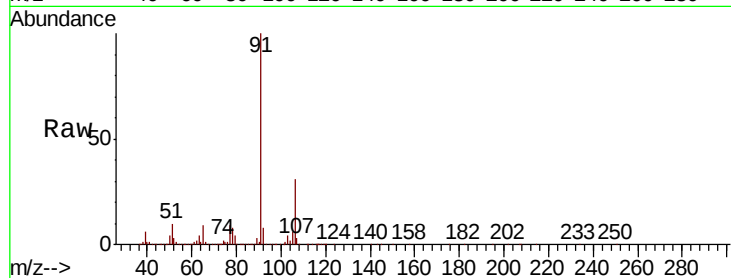
ClientSampleId :

Tot Ion: 91 Resp: 1081296

Ion Ratio Lower Upper

91 100

106 30.8 21.5 39.9



#54

m,p-Xylene

Concen: 23.453 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013474.D

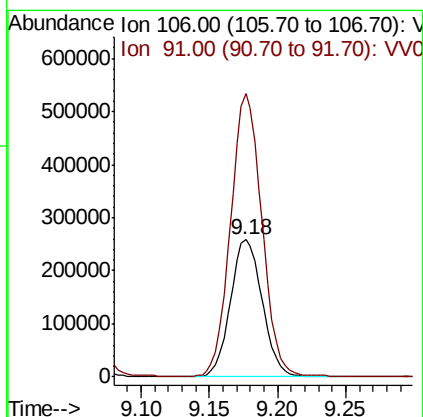
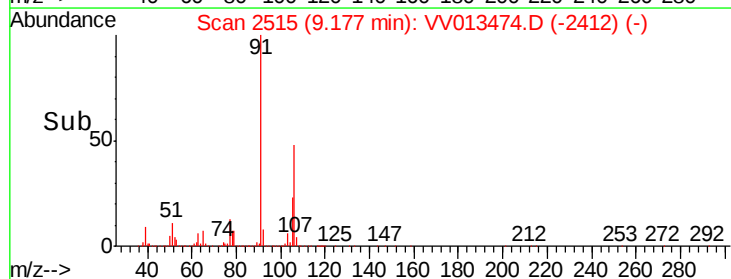
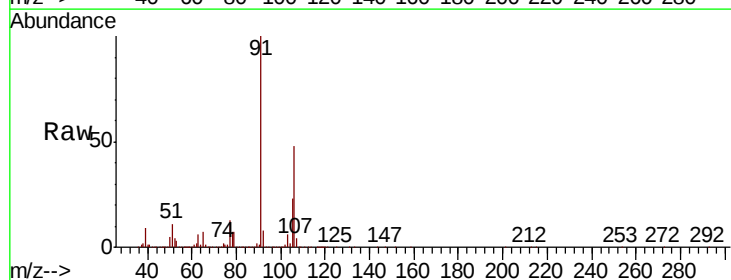
Acq: 01 Nov 2019 19:29

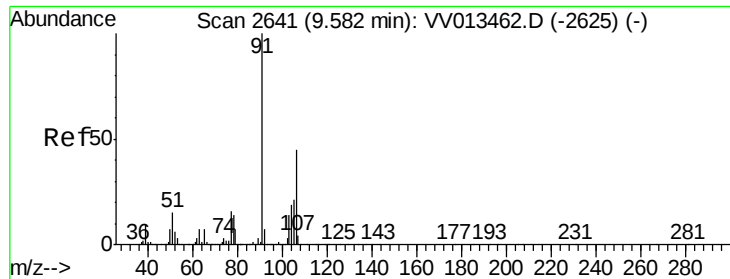
Tgt Ion: 106 Resp: 417131

Ion Ratio Lower Upper

106 100

91 206.2 141.7 263.1





#55

o-xylene

Concen: 23.638 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

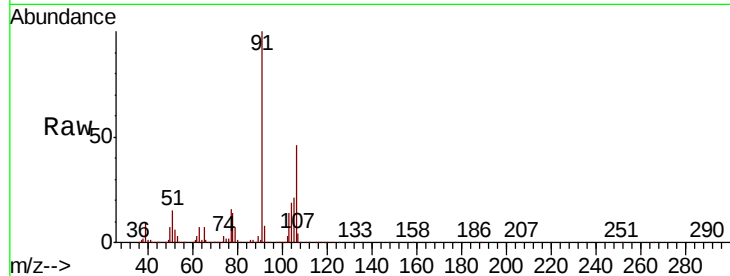
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 397611

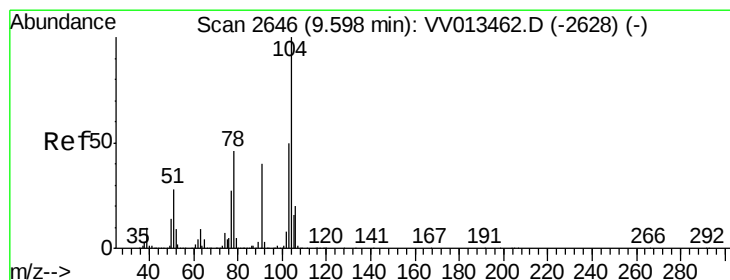
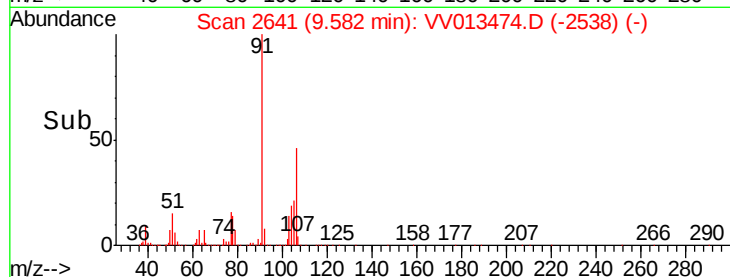
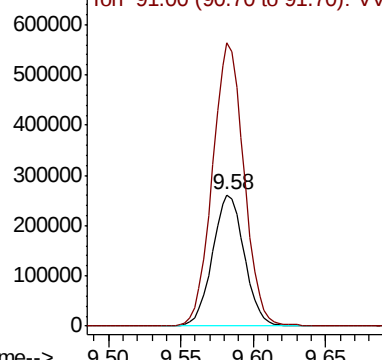
Ion Ratio Lower Upper

106 100

91 215.8 154.2 286.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 24.122 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013474.D

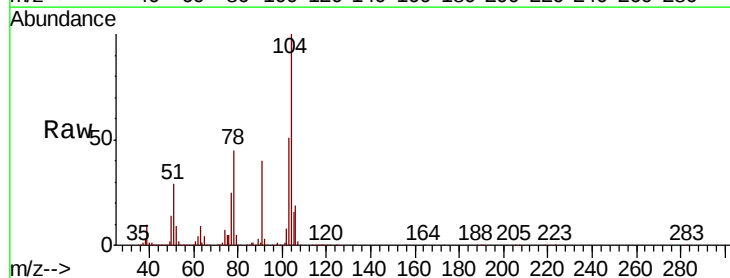
Acq: 01 Nov 2019 19:29

Tgt Ion:104 Resp: 703585

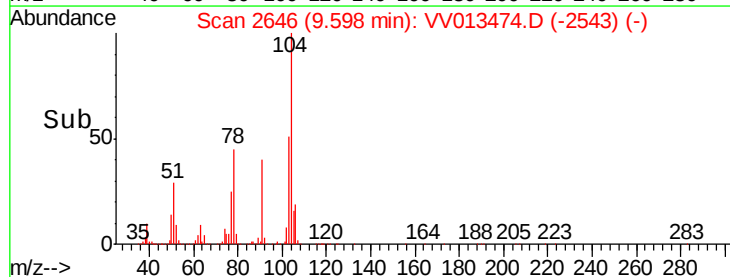
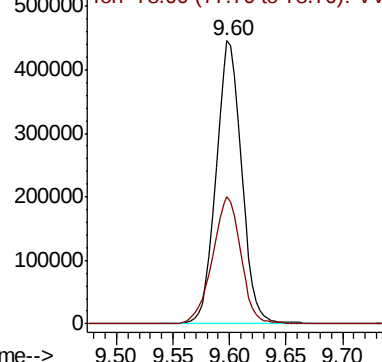
Ion Ratio Lower Upper

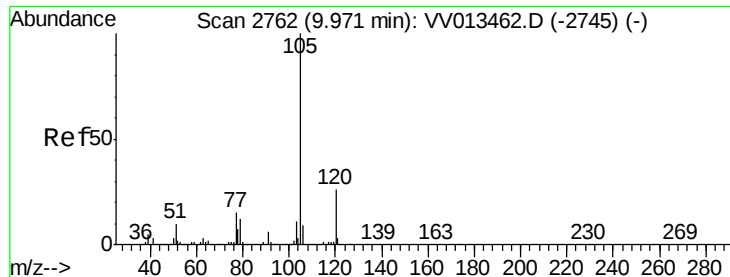
104 100

78 45.0 32.1 59.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.768 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

ClientSampleId :

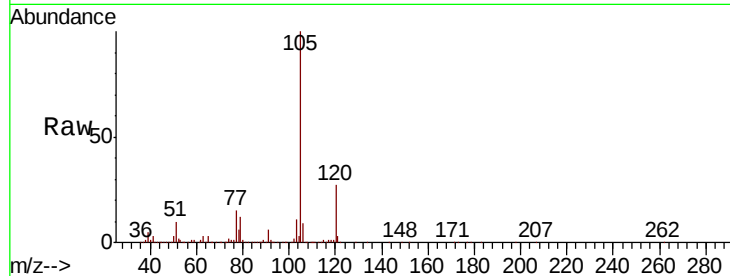
Tot Ion:105 Resp: 1078535

Ion Ratio Lower Upper

105 100

120 26.5 21.1 31.7

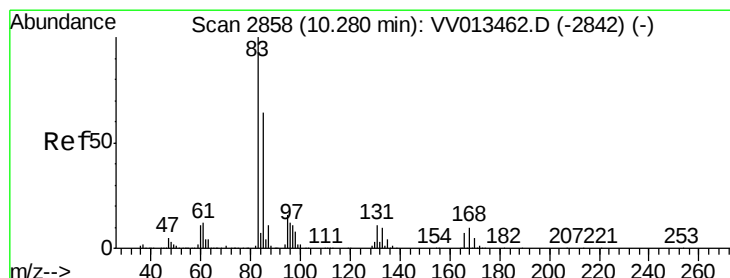
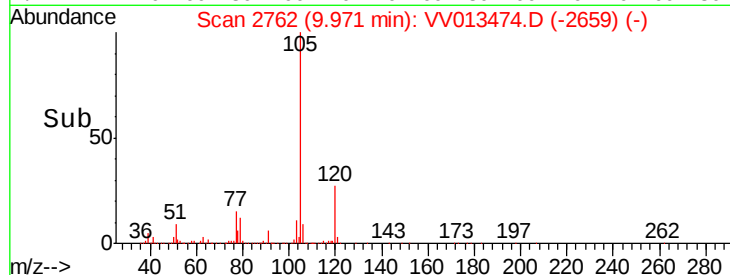
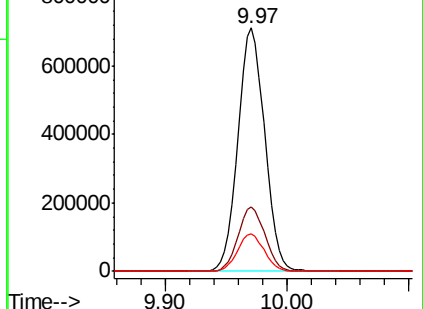
77 15.3 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.577 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

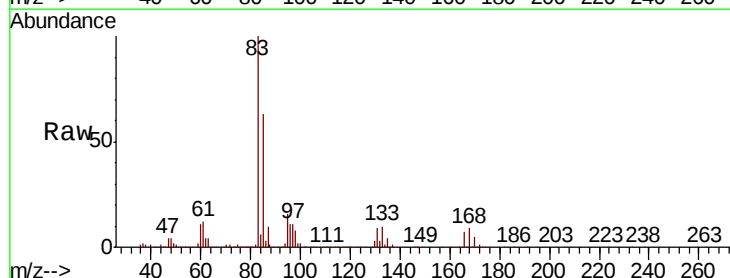
Tgt Ion: 83 Resp: 245456

Ion Ratio Lower Upper

83 100

85 63.2 45.1 83.7

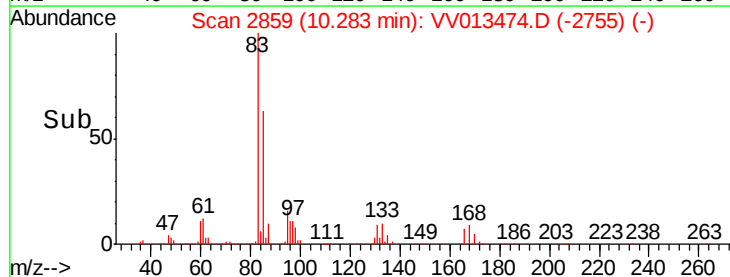
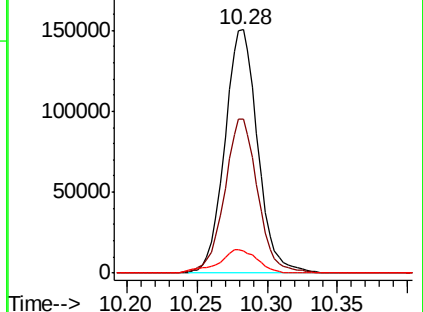
131 9.0 8.5 12.7

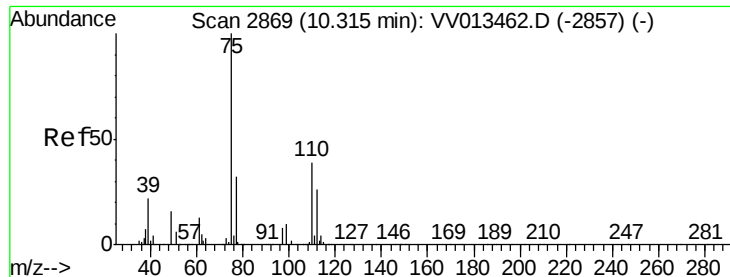


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.868 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

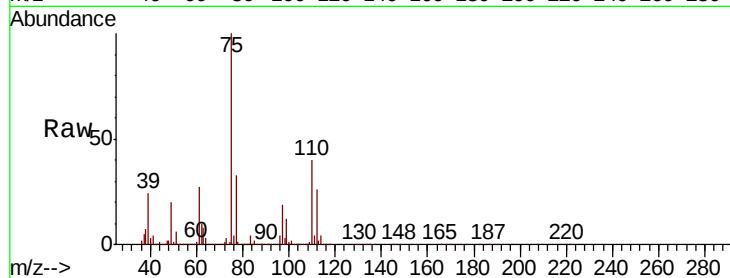
ClientSampled :

Tot Ion: 75 Resp: 208352

Ion Ratio Lower Upper

75 100

77 32.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV013462.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV013462.D (-2857) (-)

10.31

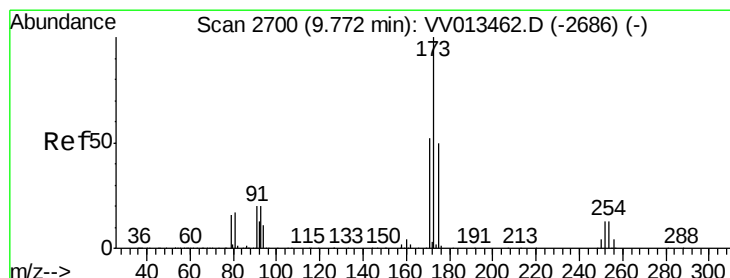
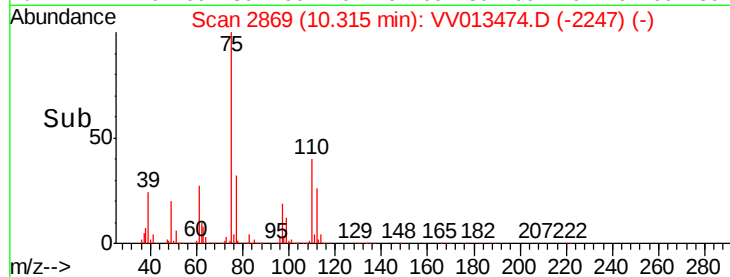
150000

100000

50000

0

Time-->



#62

Bromoform

Concen: 21.216 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

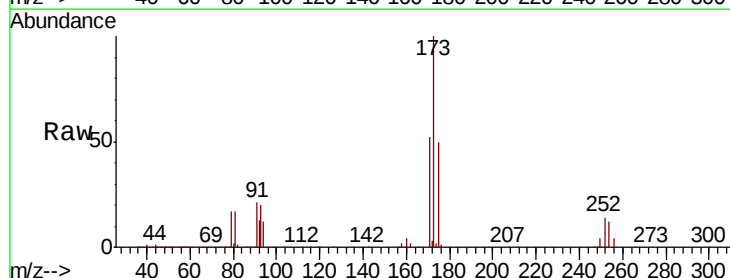
Tgt Ion: 173 Resp: 152645

Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.0

254 12.3 10.1 15.1



Abundance Ion 173.00 (172.70 to 173.70): VV013462.D (-2686) (-)

Ion 175.00 (174.70 to 175.70): VV013462.D (-2686) (-)

Ion 254.00 (253.70 to 254.70): VV013462.D (-2686) (-)

9.77

120000

100000

80000

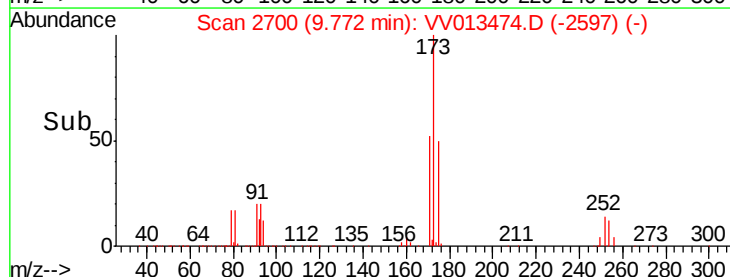
60000

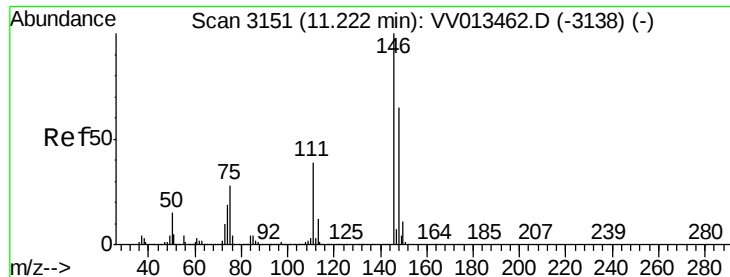
40000

20000

0

Time-->

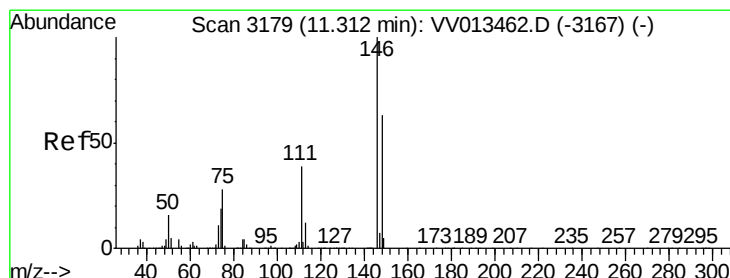
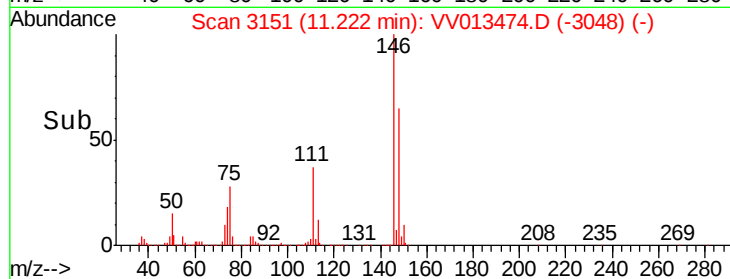
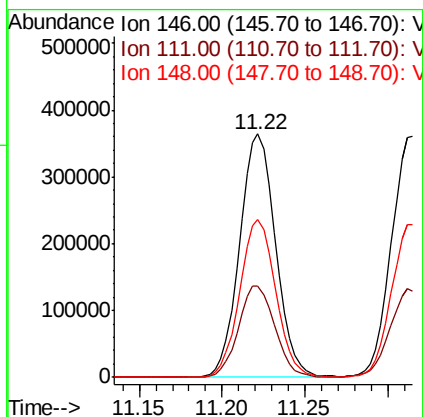
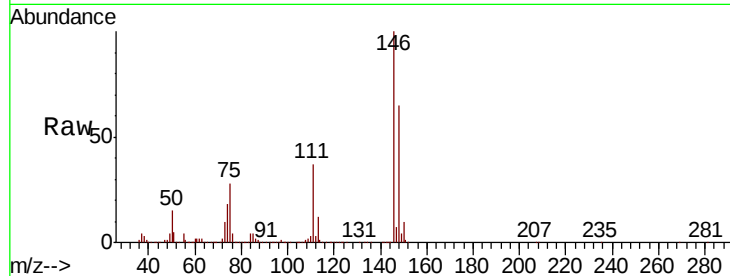




#63
 1,3-Dichlorobenzene
 Concen: 21.969 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

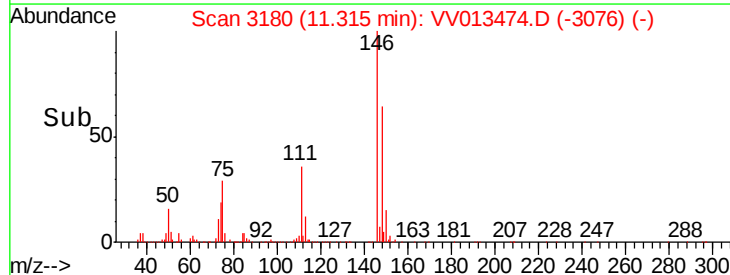
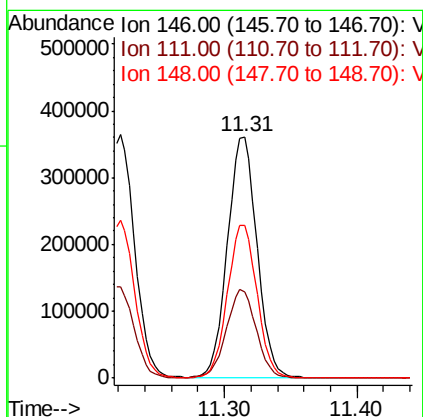
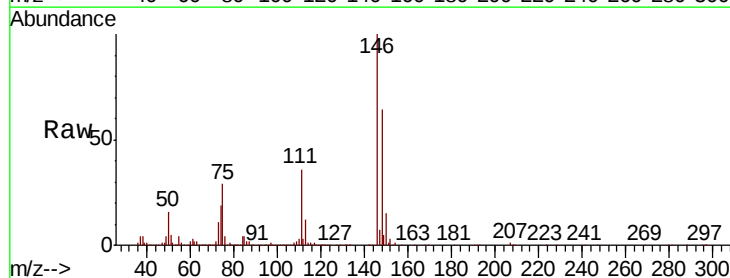
Instrument :
 MSVOA_V
 ClientSampleId :

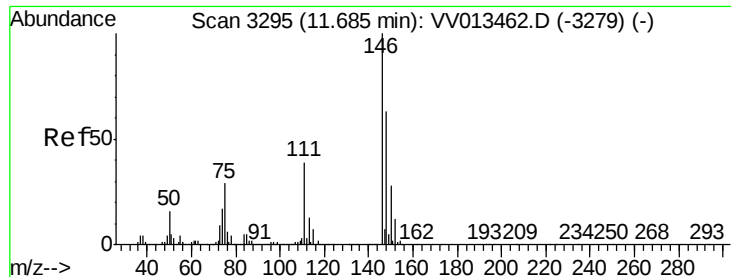
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	27.1	50.3
148	64.9	45.4	84.2



#64
 1,4-Dichlorobenzene
 Concen: 21.880 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	27.2	50.6
148	63.6	44.4	82.5





#65

1,2-Dichlorobenzene

Concen: 21.634 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

ClientSampled :

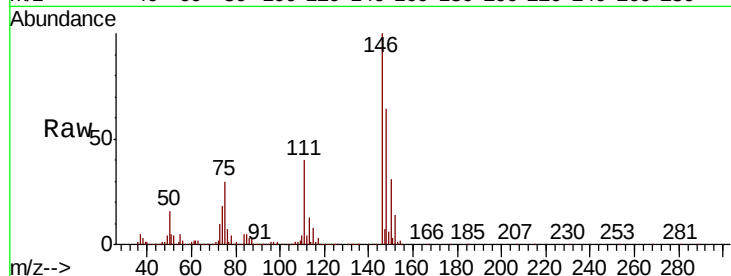
Tot Ion:146 Resp: 503946

Ion Ratio Lower Upper

146 100

111 39.6 31.4 47.2

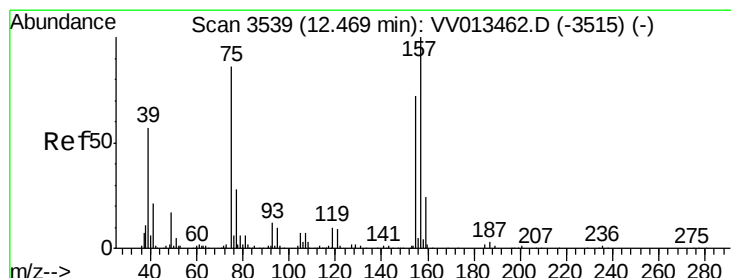
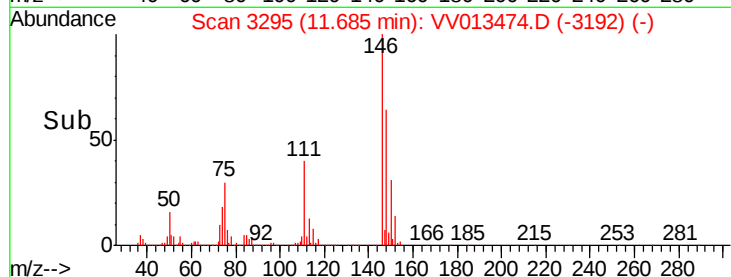
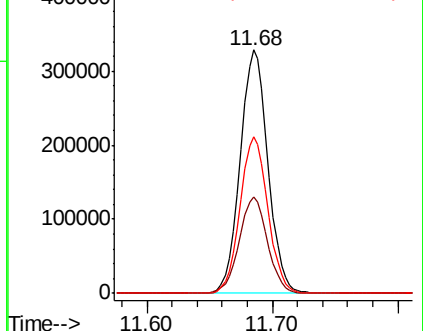
148 64.1 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 21.079 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

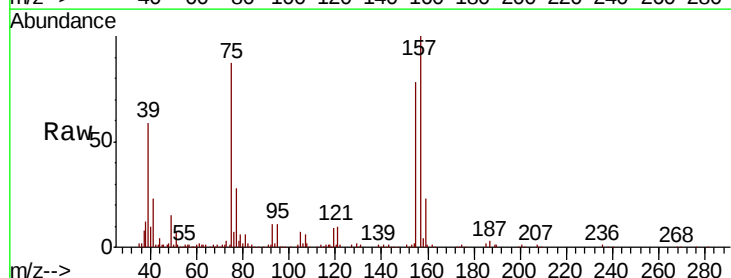
Tgt Ion: 75 Resp: 45166

Ion Ratio Lower Upper

75 100

157 115.5 93.2 139.8

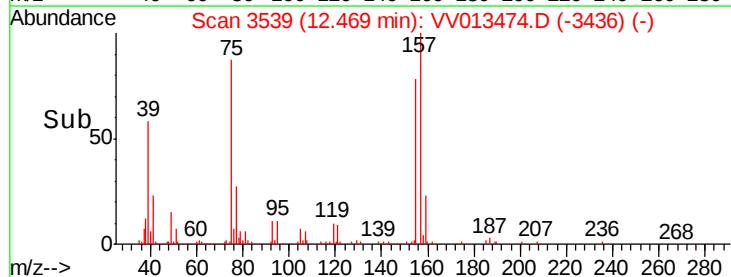
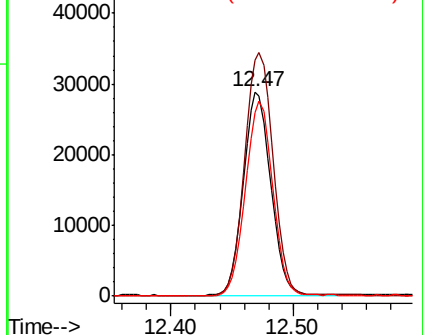
155 89.6 66.9 100.3

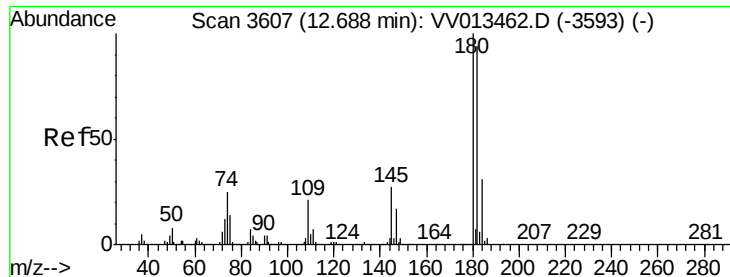


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

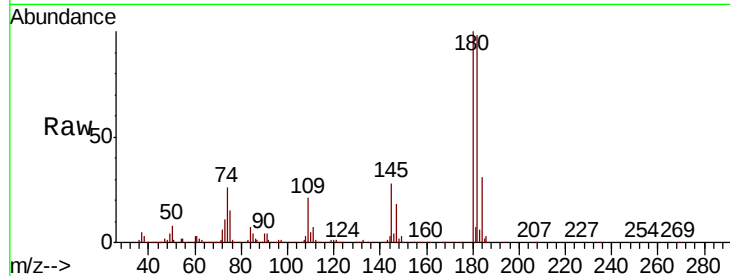




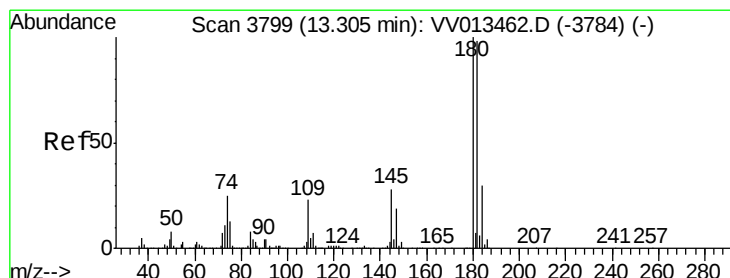
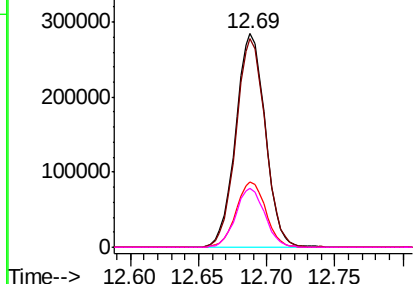
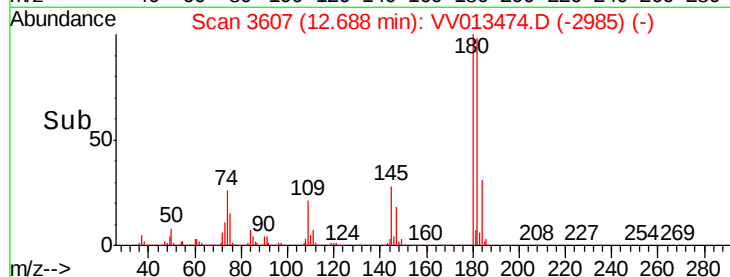
#67
 1,3,5-Trichlorobenzene
 Concen: 21.615 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	428410
Ion Ratio	Lower	Upper
180	100	
182	96.8	74.8 112.2
184	30.6	24.3 36.5
145	27.3	21.1 31.7

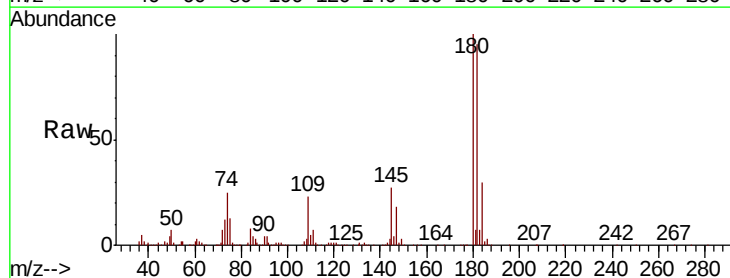


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

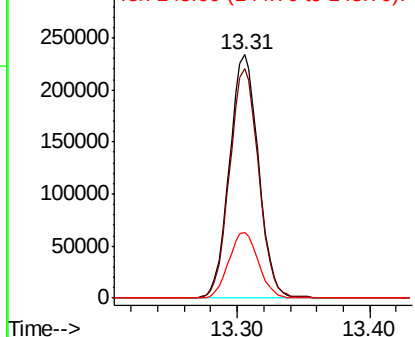
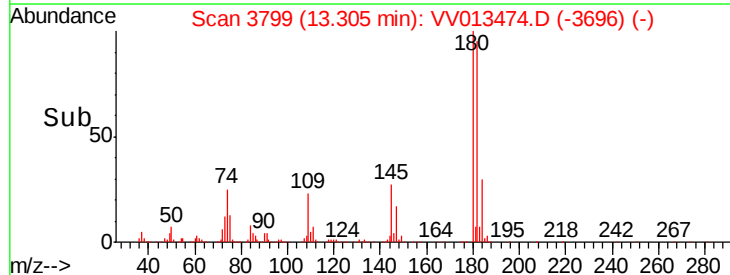


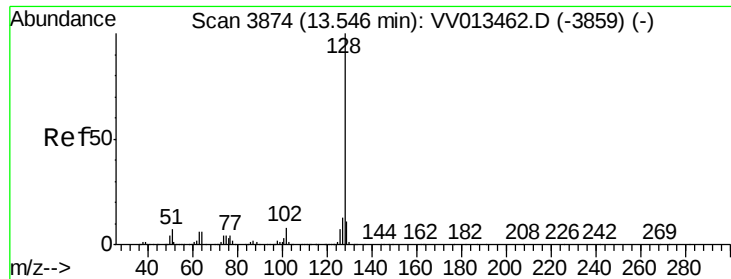
#68
 1,2,4-trichlorobenzene
 Concen: 21.043 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013474.D
 Acq: 01 Nov 2019 19:29

Tgt Ion:180	Resp:	355594
Ion Ratio	Lower	Upper
180	100	
182	94.6	77.4 116.0
145	27.5	22.3 33.5



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





#69

Naphthalene

Concen: 21.922 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

Instrument :

MSVOA_V

ClientSampleId :

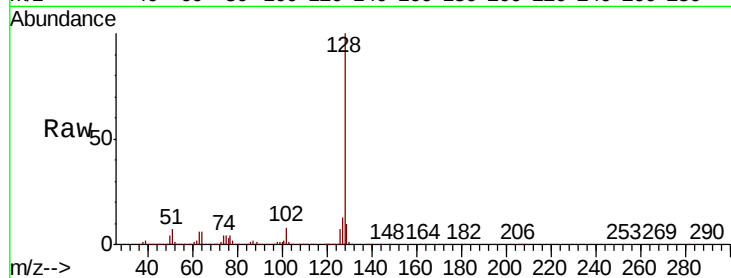
Tot Ion:128 Resp: 716390

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

127 13.1 10.5 15.7

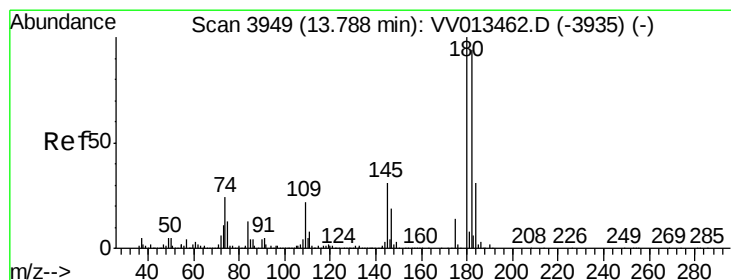
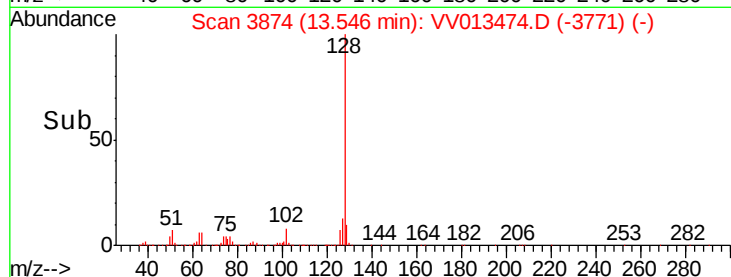
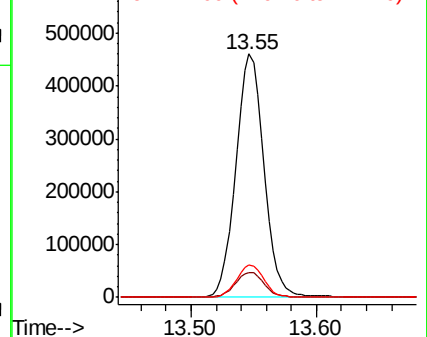


Abundance

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: 21.767 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013474.D

Acq: 01 Nov 2019 19:29

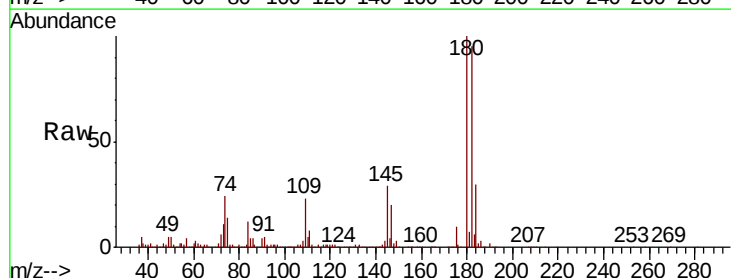
Tgt Ion:180 Resp: 344153

Ion Ratio Lower Upper

180 100

182 95.5 75.2 112.8

145 29.1 23.8 35.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

