

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV111020\
 Data File : VV019329.D
 Acq On : 10 Nov 2020 17:29
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 11 02:18:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 11 02:14:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	252349	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	248077	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	137962	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112186	55.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	111.88%
7) Chloroethane-d5	1.58	69	88699	56.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.86%
11) 1,1-Dichloroethene-d2	2.12	63	206421	54.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.22%
21) 2-Butanone-d5	3.91	46	131895	107.38	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.38%
24) Chloroform-d	4.38	84	185815	49.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.62%
26) 1,2-Dichloroethane-d4	5.06	65	125503	48.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.56%
32) Benzene-d6	5.07	84	350938	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.74%
36) 1,2-Dichloropropane-d6	6.09	67	110736	52.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.54%
41) Toluene-d8	7.34	98	321152	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.64	79	57211	47.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.24%
47) 2-Hexanone-d5	8.11	63	89276	98.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.25%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	142984	50.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	127834	44.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	95467	43.085	ug/L	98
3) Chloromethane	1.25	50	110091	54.712	ug/L	98
5) Vinyl chloride	1.32	62	110131	53.460	ug/L	99
6) Bromomethane	1.53	94	71086	51.515	ug/L	98
8) Chloroethane	1.60	64	71629	55.920	ug/L	98
9) Trichlorofluoromethane	1.77	101	165662	48.249	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	86035	52.068	ug/L	96
12) 1,1-Dichloroethene	2.13	96	82793	51.162	ug/L	91
13) Acetone	2.20	43	114918	100.709	ug/L	98
14) Carbon disulfide	2.31	76	228710	44.464	ug/L	99
15) Methyl Acetate	2.45	43	102241	55.598	ug/L	97
16) Methylene chloride	2.52	84	94424	51.386	ug/L	93
17) trans-1,2-Dichloroethene	2.78	96	83957	48.304	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	284609	48.902	ug/L	98
19) 1,1-Dichloroethane	3.21	63	171182	52.863	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	92264	48.368	ug/L	93
22) 2-Butanone	4.00	43	145827	117.328	ug/L	99

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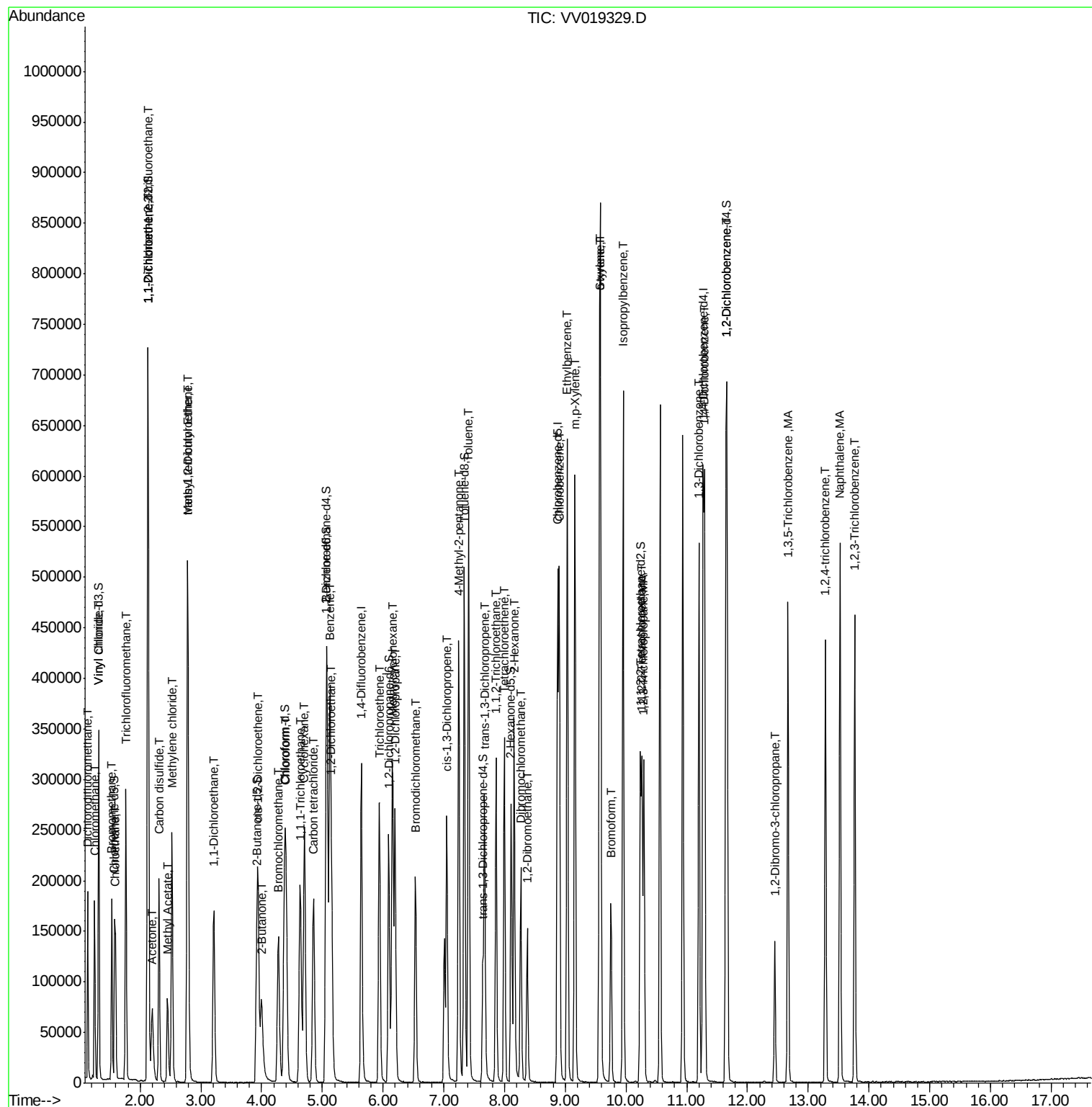
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	48393	47.276	ug/L	89
25) Chloroform	4.40	83	176333	50.391	ug/L	99
27) 1,2-Dichloroethane	5.15	62	148670	49.905	ug/L	99
29) Cyclohexane	4.70	56	131972	47.652	ug/L	95
30) 1,1,1-Trichloroethane	4.63	97	156567	46.573	ug/L	98
31) Carbon tetrachloride	4.86	117	135049	45.303	ug/L	99
33) Benzene	5.13	78	362067	50.620	ug/L	100
34) Trichloroethene	5.94	95	95543	48.760	ug/L	97
35) Methylcyclohexane	6.15	83	122346	46.251	ug/L	96
37) 1,2-Dichloropropane	6.20	63	97634	54.965	ug/L	100
38) Bromodichloromethane	6.53	83	132907	50.298	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	152056	51.826	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	285209	116.392	ug/L	97
42) Toluene	7.41	91	389585	49.685	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	154116	50.495	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	91758	51.506	ug/L	98
46) Tetrachloroethene	8.00	164	73056	43.663	ug/L	99
48) 2-Hexanone	8.16	43	226082	116.077	ug/L	96
49) Dibromochloromethane	8.27	129	103244	47.865	ug/L	99
50) 1,2-Dibromoethane	8.37	107	95042	50.004	ug/L	99
51) Chlorobenzene	8.90	112	246862	48.020	ug/L	97
52) Ethylbenzene	9.03	91	418139	48.395	ug/L	98
53) m,p-Xylene	9.16	106	157667	48.314	ug/L	98
54) o-xylene	9.56	106	152597	48.703	ug/L	99
55) Styrene	9.58	104	280716	50.550	ug/L	99
56) Isopropylbenzene	9.95	105	406485	48.275	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	140926	51.951	ug/L	98
59) 1,2,3-Trichloropropane	10.29	75	121499	52.323	ug/L	100
61) Bromoform	9.75	173	77316	45.431	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	202275	46.482	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	207433	45.867	ug/L	96
65) 1,2-Dichlorobenzene	11.66	146	204662	47.475	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33949	46.025	ug/L	92
67) 1,3,5-Trichlorobenzene	12.67	180	140742	43.935	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	128328	42.757	ug/L	98
69) Naphthalene	13.52	128	384169	45.699	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	133160	45.337	ug/L	99

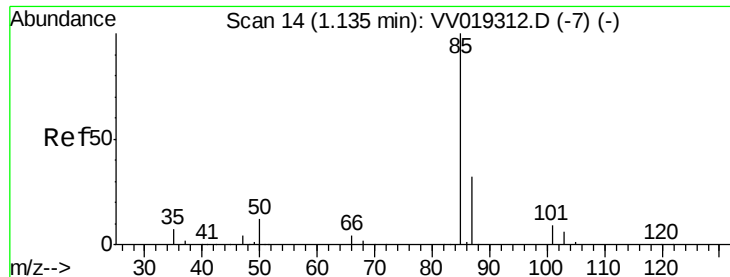
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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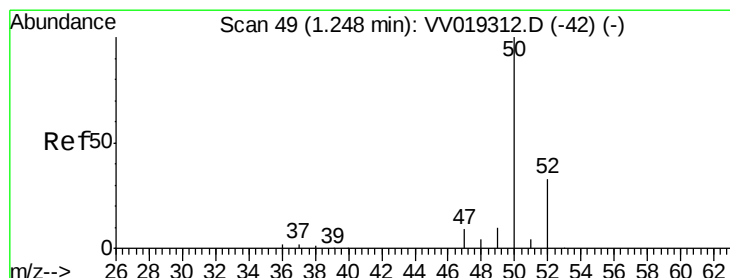
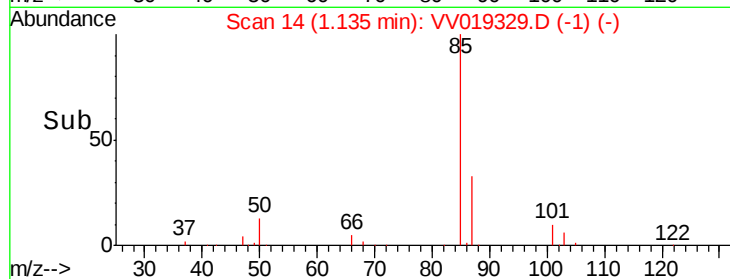
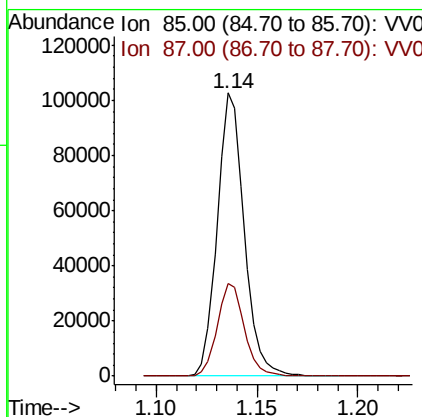
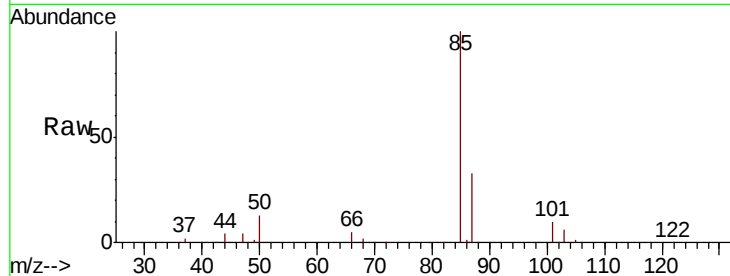




#2
 Dichlorodifluoromethane
 Concen: 43.085 ug/L
 RT: 1.14 min Scan# 14
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

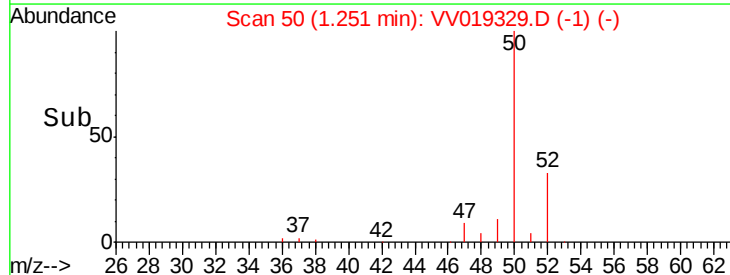
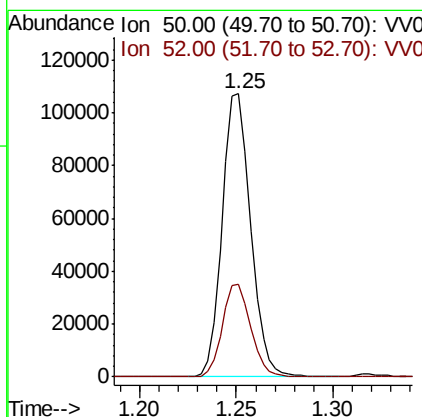
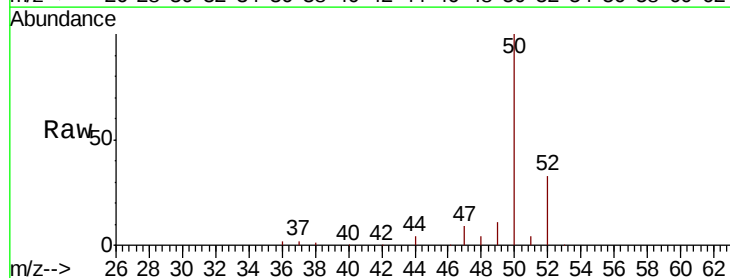
Instrument :
 MSVOA_V
 ClientSampleId :

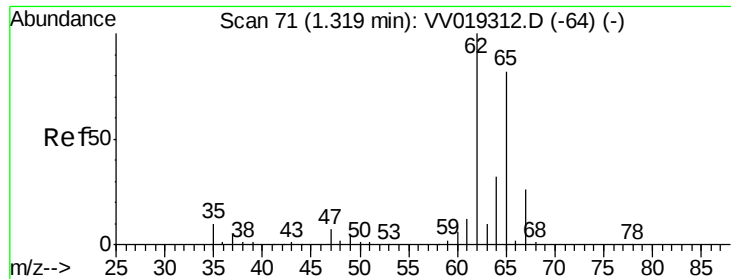
Tot Ion: 85 Resp: 95467
 Ion Ratio Lower Upper
 85 100
 87 32.9 25.3 37.9



#3
 Chloromethane
 Concen: 54.712 ug/L
 RT: 1.25 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion: 50 Resp: 110091
 Ion Ratio Lower Upper
 50 100
 52 32.6 22.1 41.1





#5

Vinyl chloride

Concen: 53.460 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

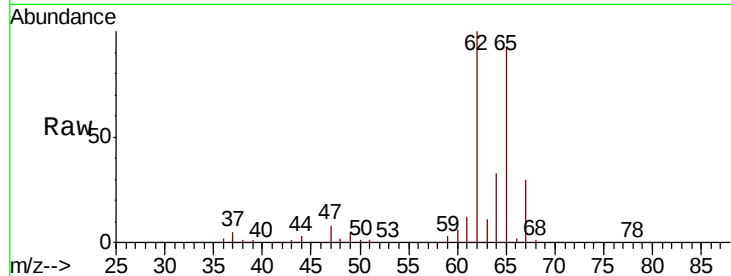
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 62 Resp: 110131

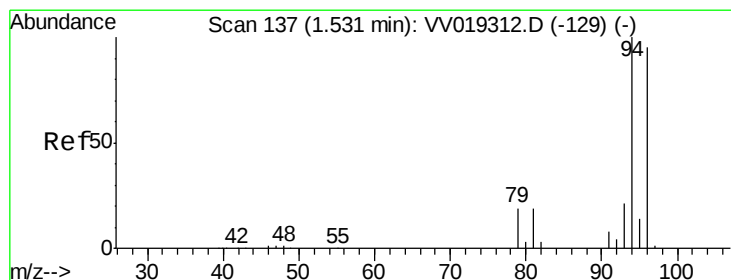
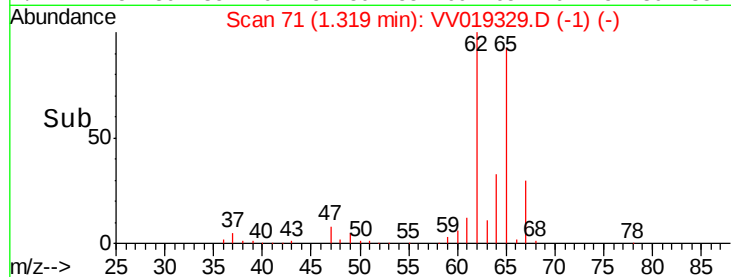
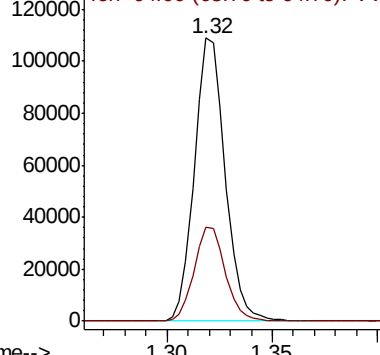
Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 51.515 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019329.D

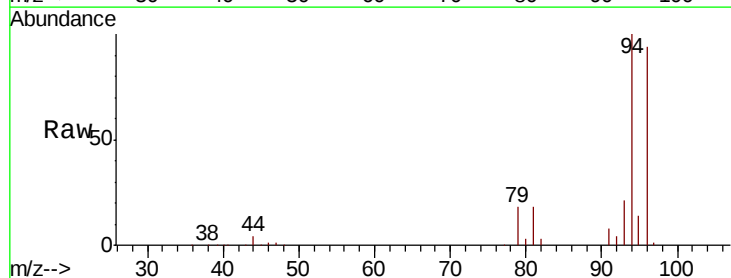
Acq: 10 Nov 2020 17:29

Tgt Ion: 94 Resp: 71086

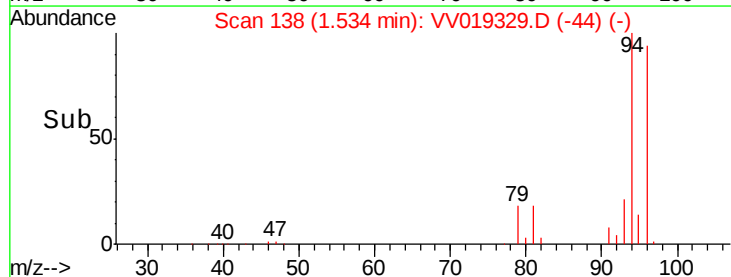
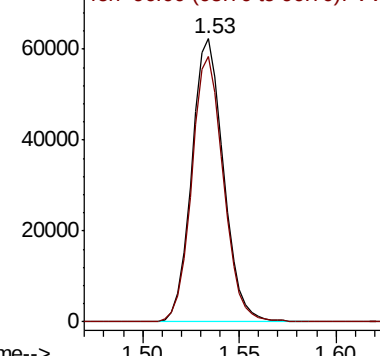
Ion Ratio Lower Upper

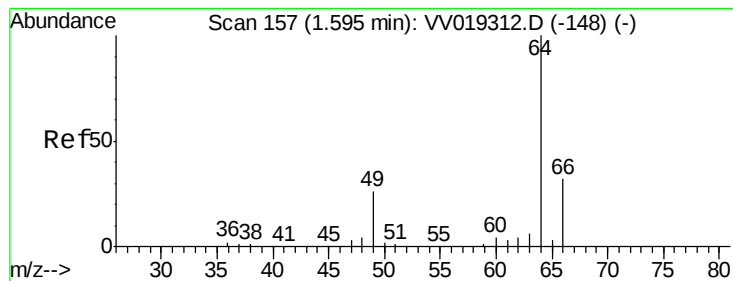
94 100

96 93.8 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 55.920 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

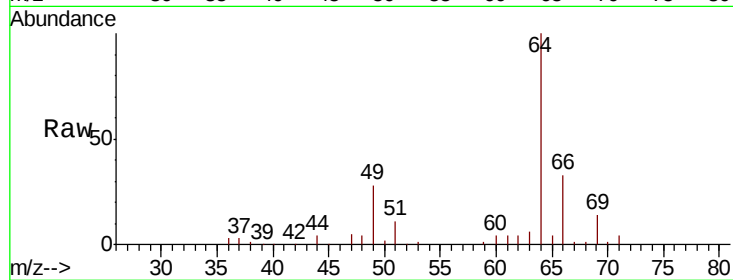
ClientSampleId :

Tot Ion: 64 Resp: 71629

Ion Ratio Lower Upper

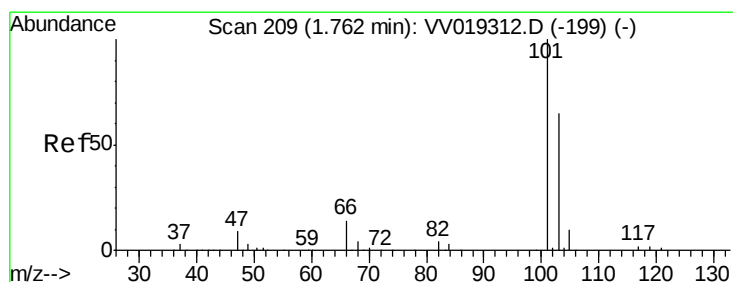
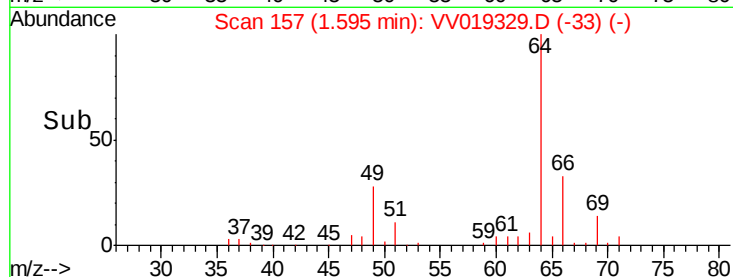
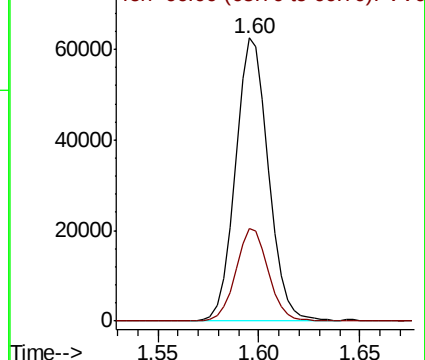
64 100

66 32.6 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 48.249 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019329.D

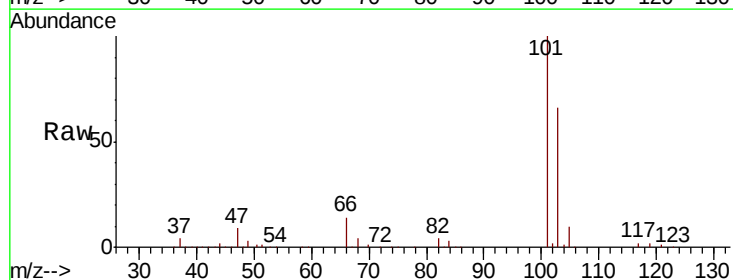
Acq: 10 Nov 2020 17:29

Tgt Ion: 101 Resp: 165662

Ion Ratio Lower Upper

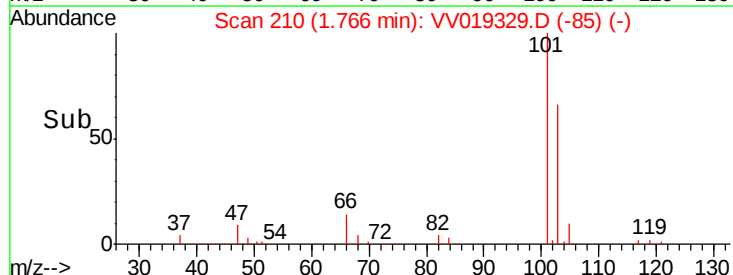
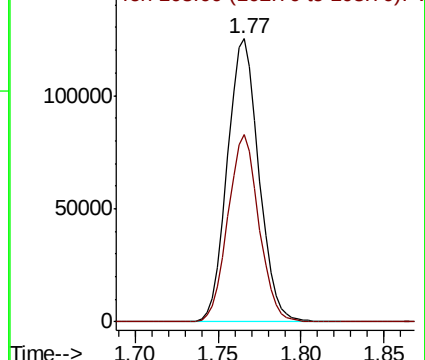
101 100

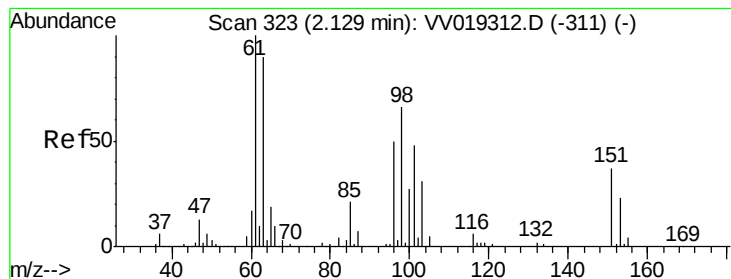
103 65.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 52.068 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

ClientSampled :

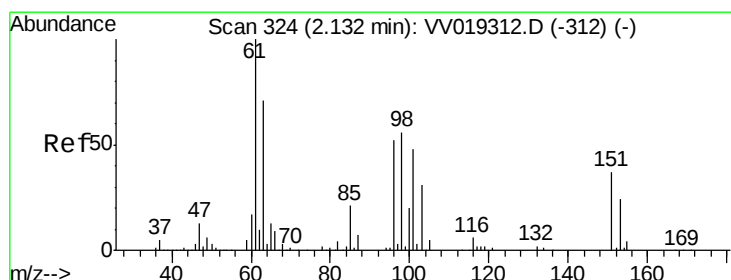
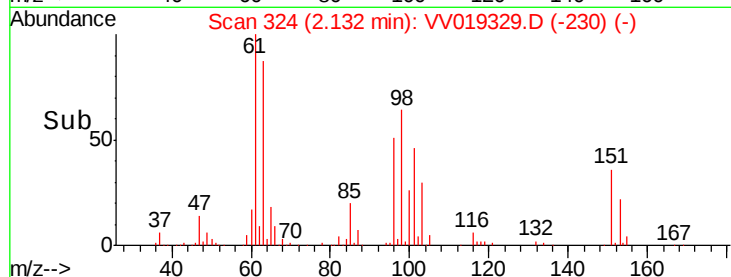
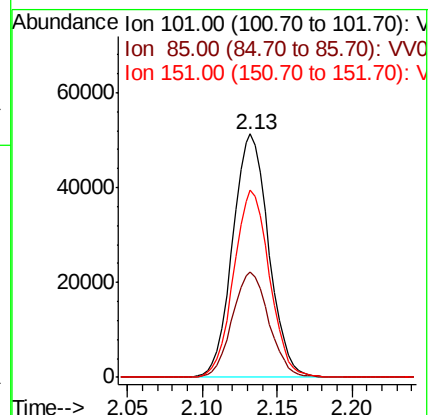
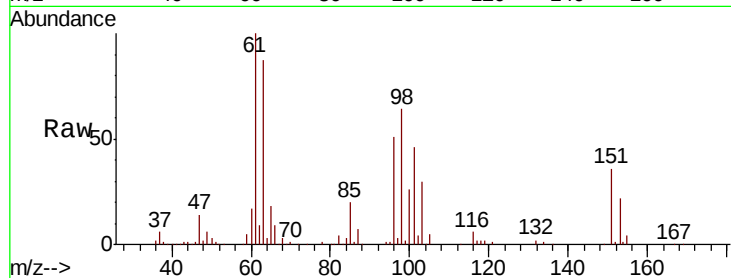
Tot Ion:101 Resp: 86035

Ion Ratio Lower Upper

101 100

85 43.8 36.1 54.1

151 76.5 65.0 97.4



#12

1,1-Dichloroethene

Concen: 51.162 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

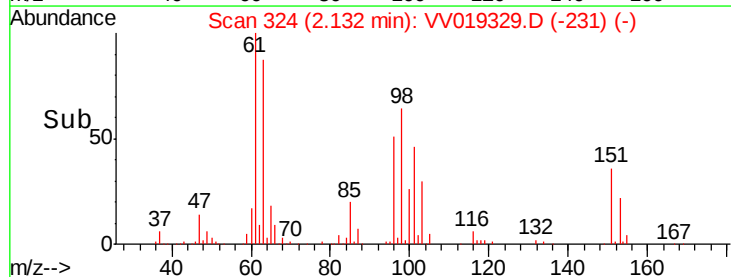
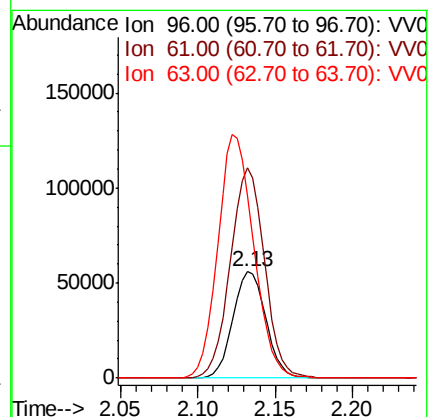
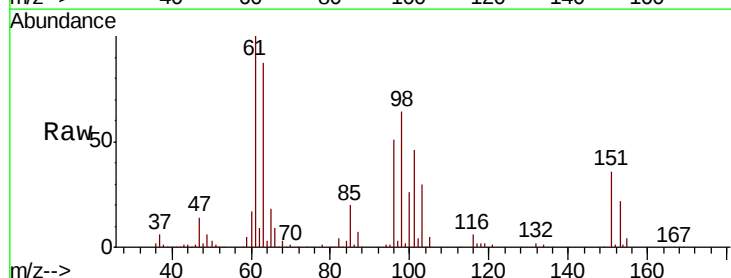
Tgt Ion: 96 Resp: 82793

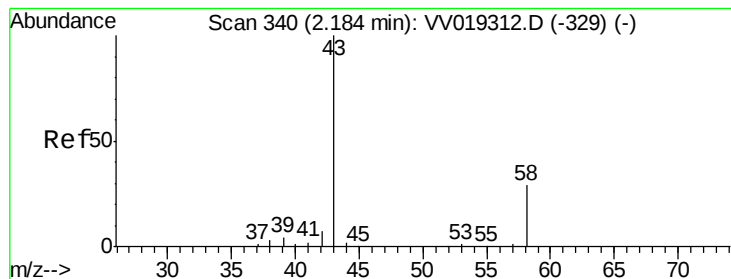
Ion Ratio Lower Upper

96 100

61 197.3 132.6 246.2

63 171.1 108.4 201.4





#13

Acetone

Concen: 100.709 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.02 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

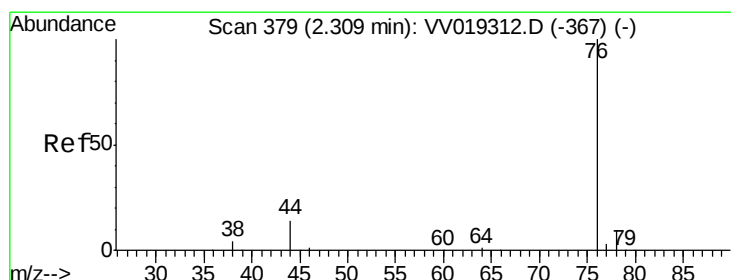
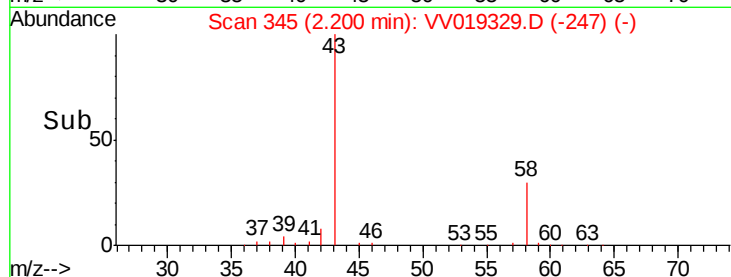
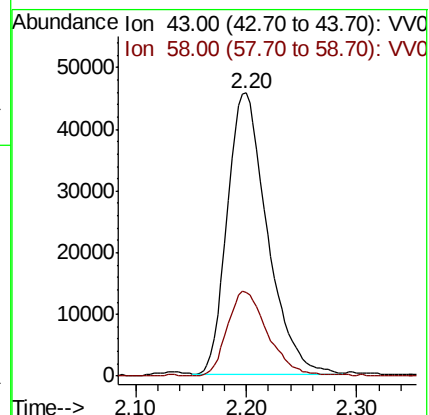
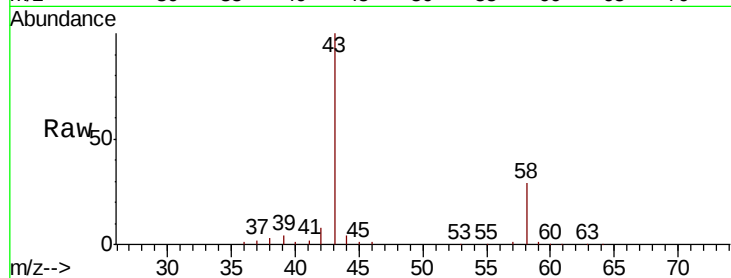
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 114918

Ion Ratio Lower Upper

43 100

58 30.6 0.0 59.4



#14

Carbon disulfide

Concen: 44.464 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

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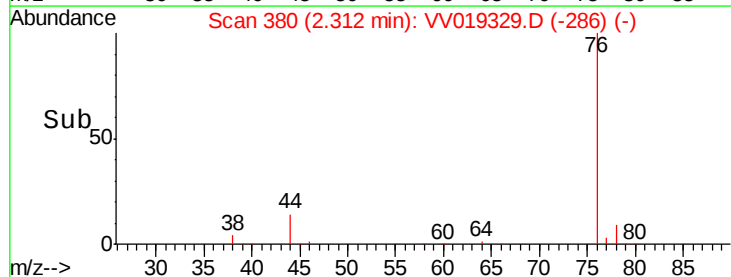
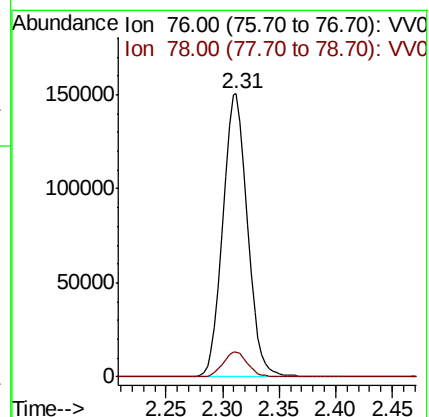
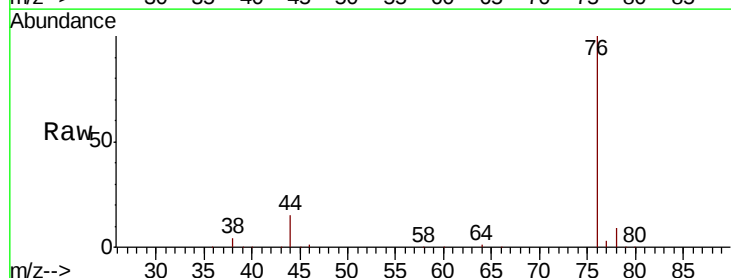
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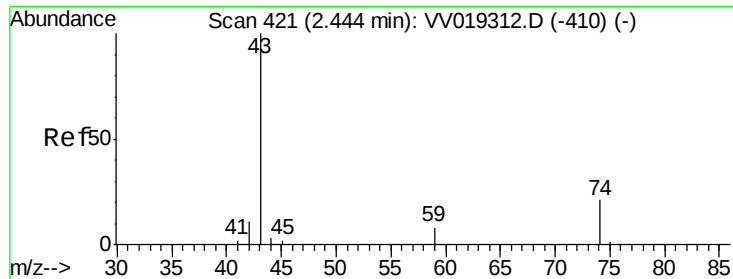
Tgt Ion: 76 Resp: 228710

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0

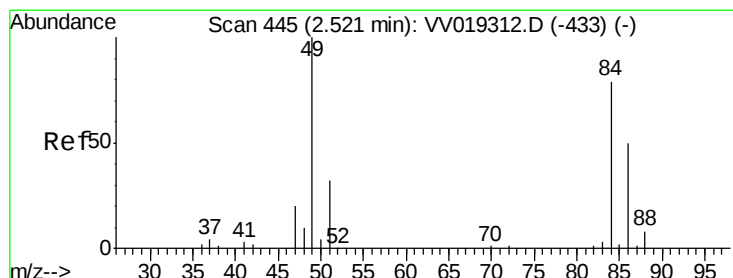
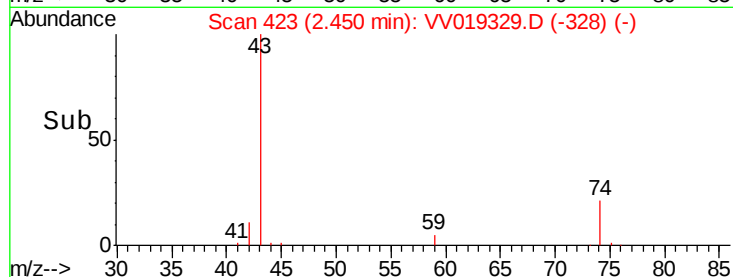
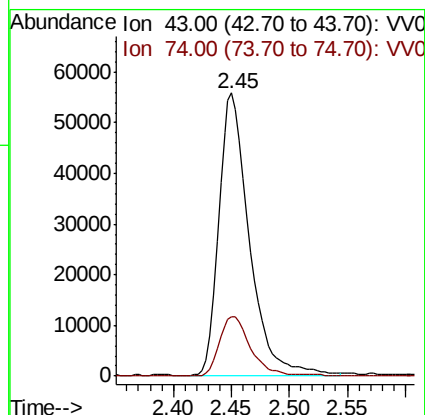
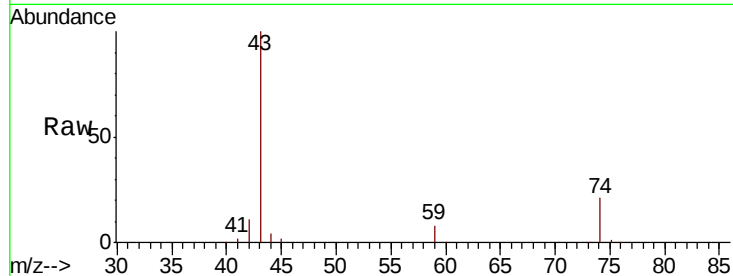




#15
Methvl Acetate
Concen: 55.598 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.01 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

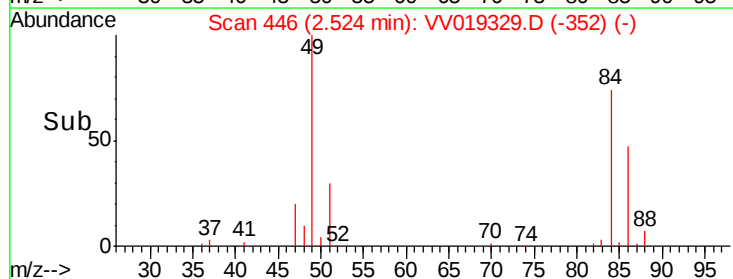
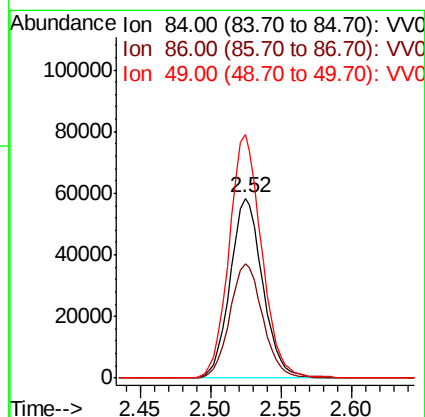
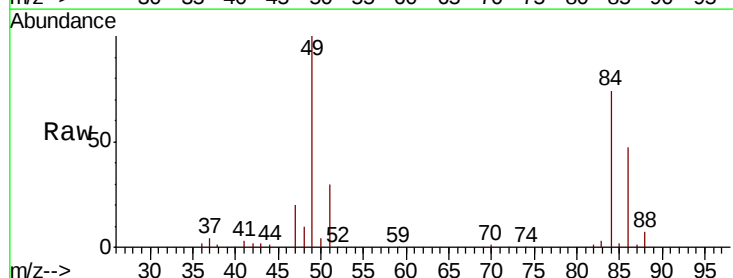
Instrument :
MSVOA_V
ClientSampleId :

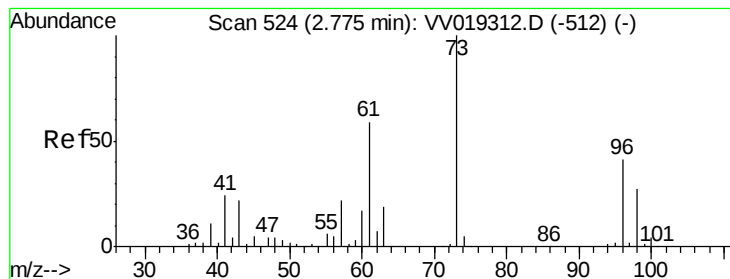
Tot Ion: 43 Resp: 102241
Ion Ratio Lower Upper
43 100
74 21.5 18.4 27.6



#16
Methylene chloride
Concen: 51.386 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Tgt Ion: 84 Resp: 94424
Ion Ratio Lower Upper
84 100
86 63.5 46.0 85.4
49 135.2 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 48.304 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

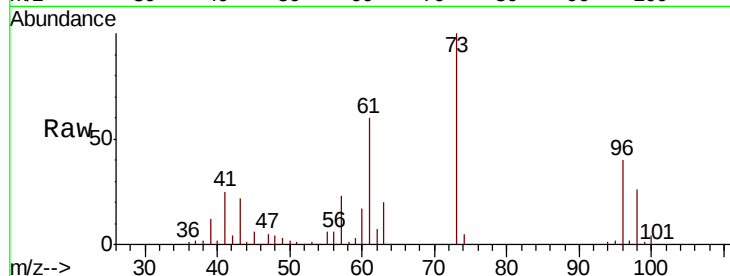
Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

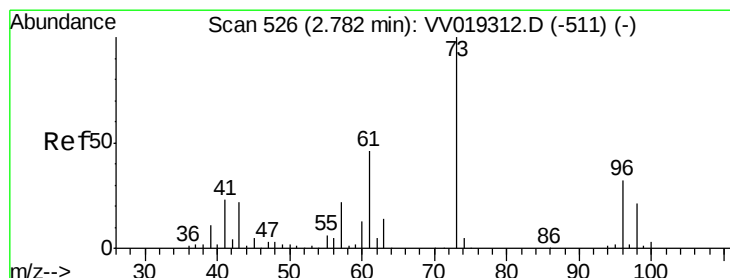
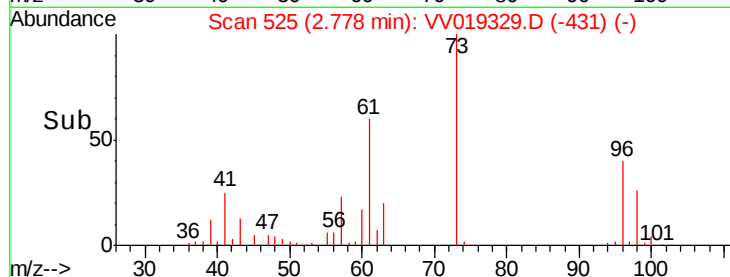
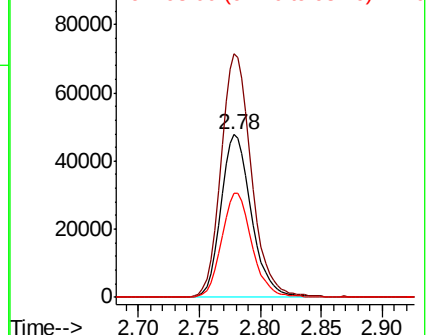
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 83957

Ion	Ratio	Lower	Upper
96	100		
61	149.6	102.4	190.2
98	63.8	45.9	85.3



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



#18

Methyl tert-butyl Ether

Concen: 48.902 ug/L

RT: 2.78 min Scan# 527

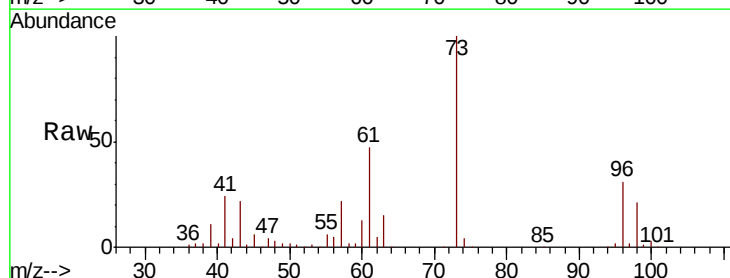
Delta R.T. 0.00 min

Lab File: VV019329.D

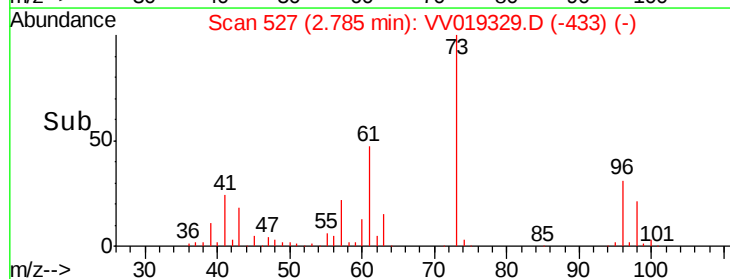
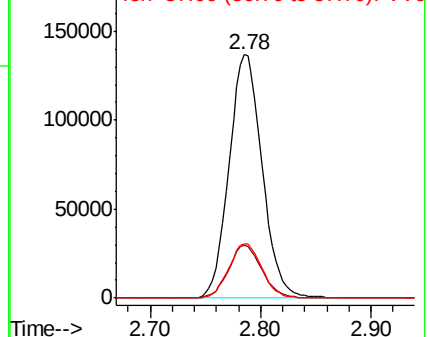
Acq: 10 Nov 2020 17:29

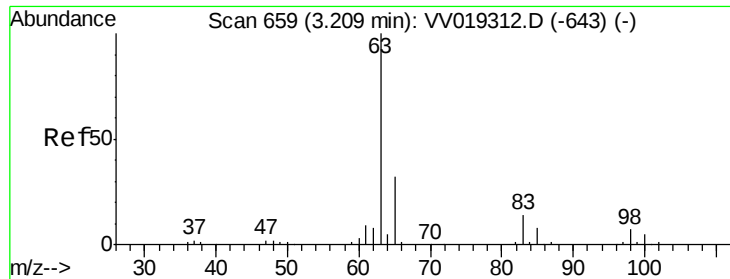
Tgt Ion: 73 Resp: 284609

Ion	Ratio	Lower	Upper
73	100		
43	21.6	17.9	26.9
57	22.4	17.1	25.7



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

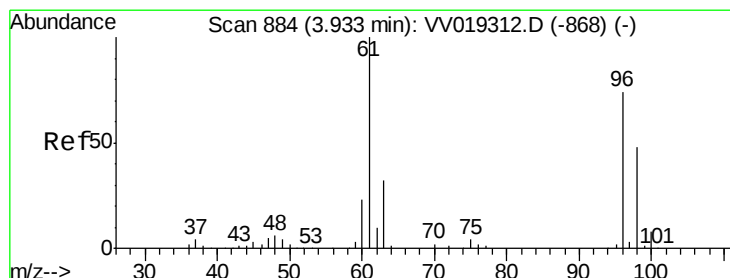
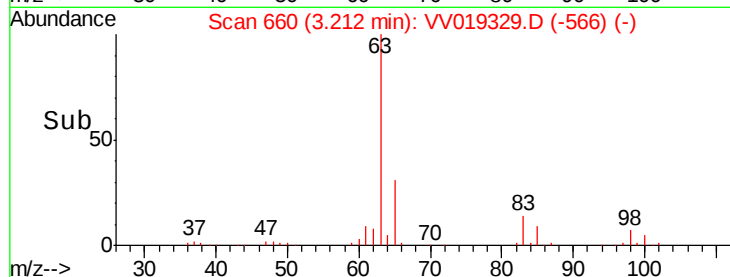
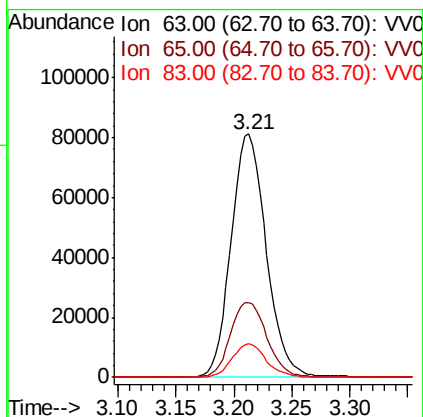
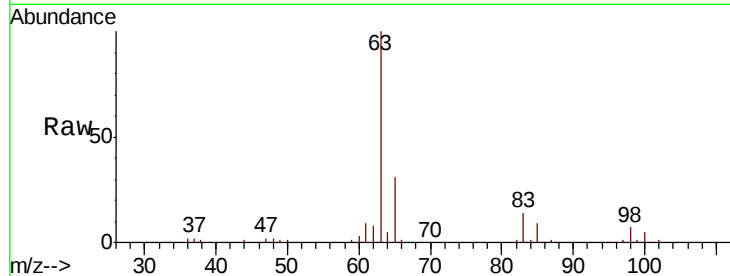




#19
 1,1-Dichloroethane
 Concen: 52.863 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

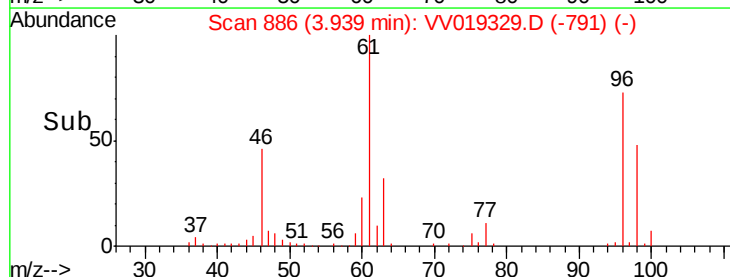
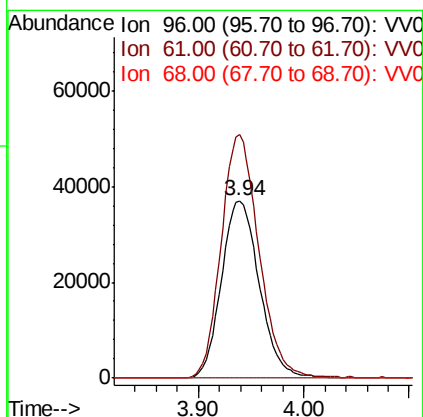
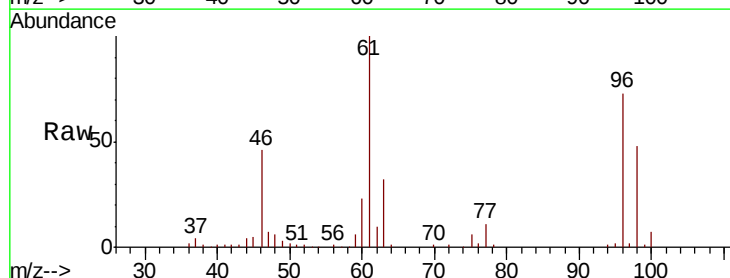
Instrument :
 MSVOA_V
 ClientSampled :

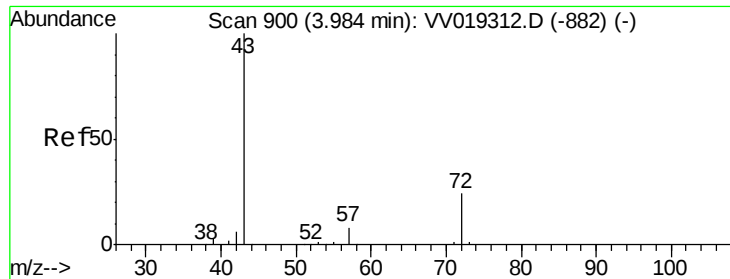
Tot Ion: 63 Resp: 171182
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 40.8
 83 13.6 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 48.368 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.01 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion: 96 Resp: 92264
 Ion Ratio Lower Upper
 96 100
 61 137.3 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 117.328 ug/L

RT: 4.00 min Scan# 904

Delta R.T. 0.01 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

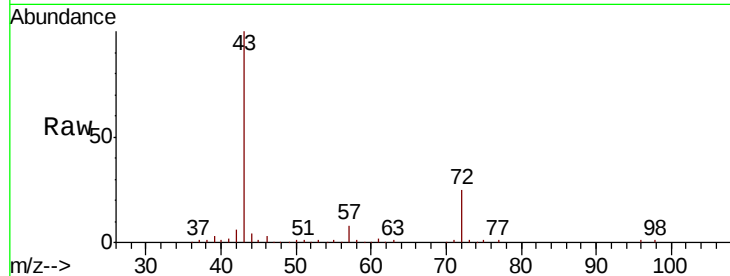
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 145827

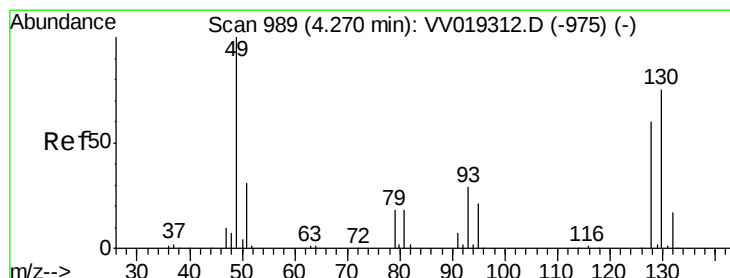
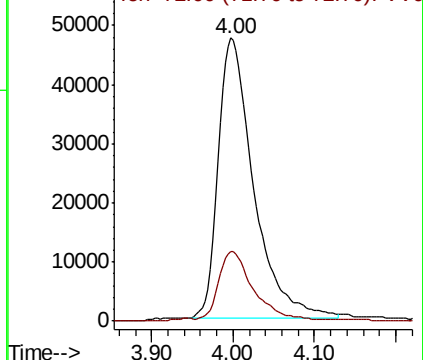
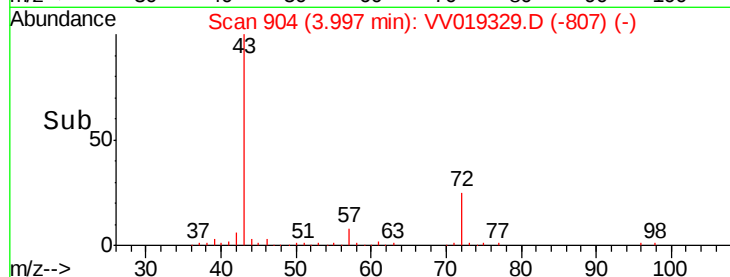
Ion Ratio Lower Upper

43 100

72 23.3 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019329.D (-807) (-)



#23

Bromochloromethane

Concen: 47.276 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Tgt Ion:128 Resp: 48393

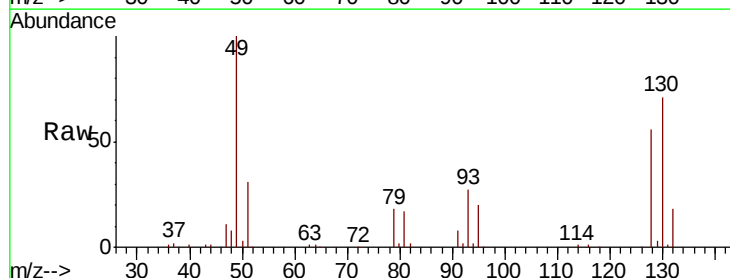
Ion Ratio Lower Upper

128 100

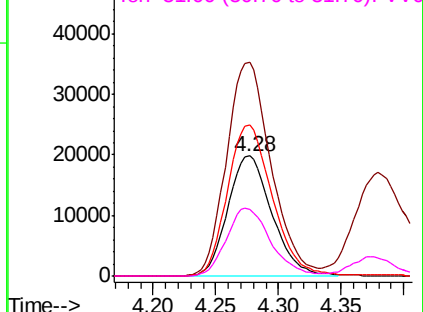
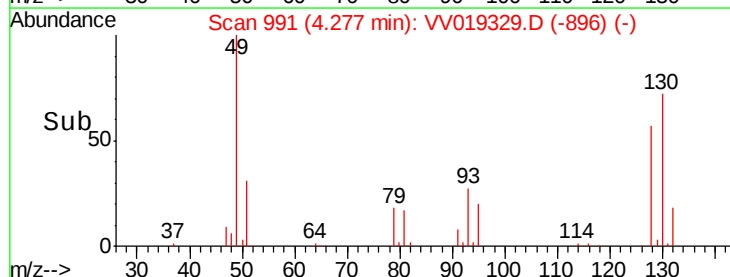
49 177.9 108.5 201.5

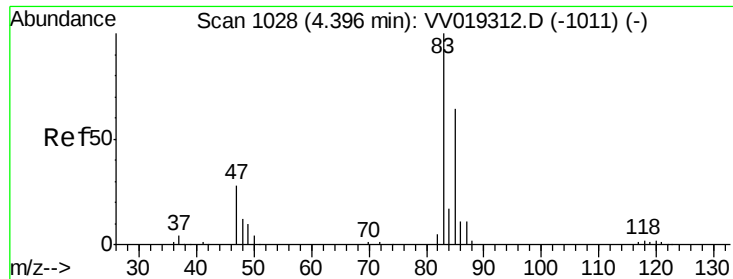
130 125.5 90.4 167.8

51 55.1 36.9 55.3



Abundance Ion 128.00 (127.70 to 128.70): VV019329.D (-896) (-)

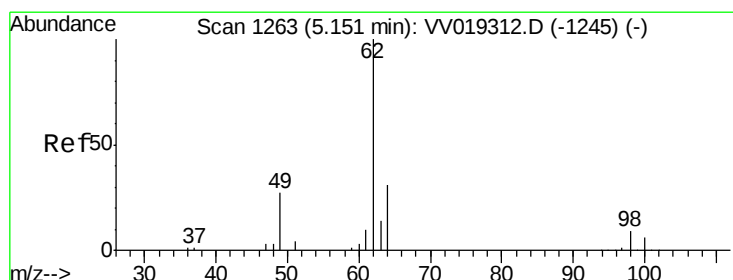
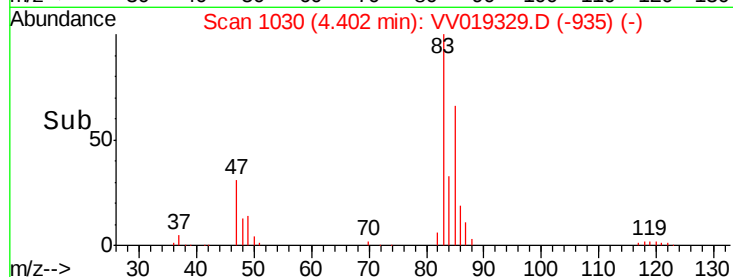
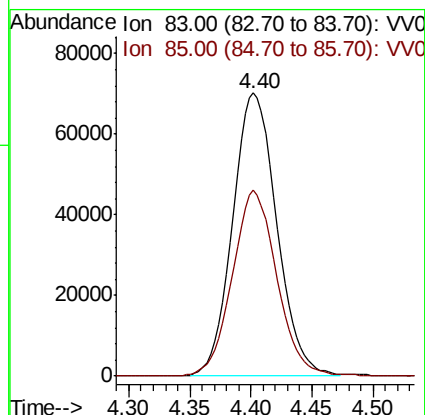
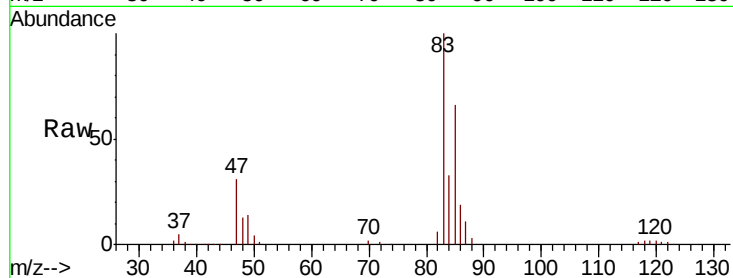




#25
Chloroform
Concen: 50.391 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

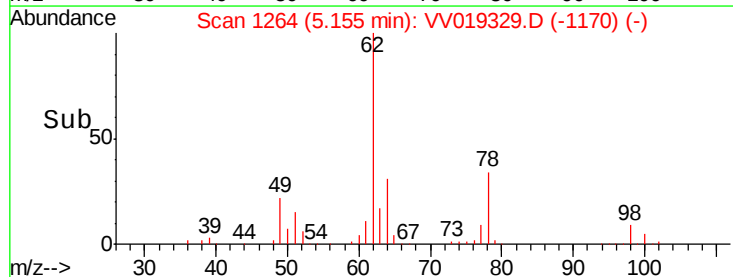
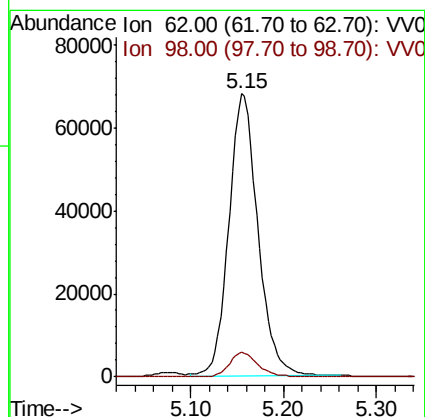
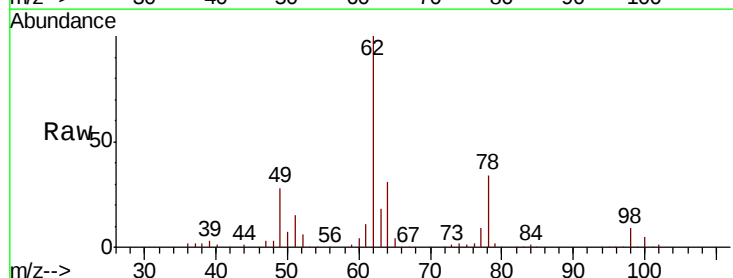
Instrument :
MSVOA_V
ClientSampleId :

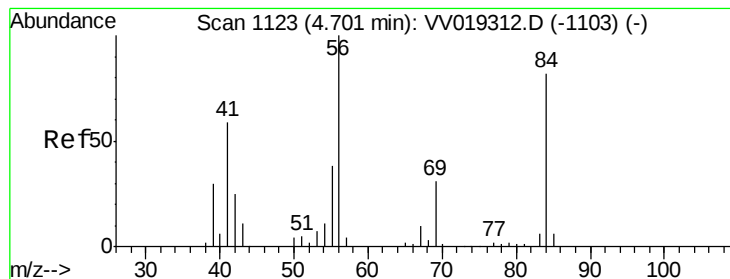
Tot Ion: 83 Resp: 176333
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.905 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Tgt Ion: 62 Resp: 148670
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

Cyclohexane

Concen: 47.652 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :
MSVOA_V
ClientSampleId :

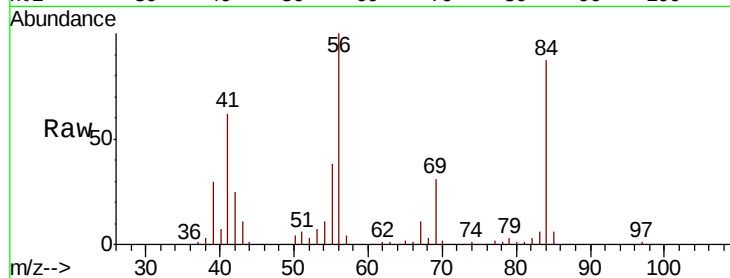
Tot Ion: 56 Resp: 131972

Ion Ratio Lower Upper

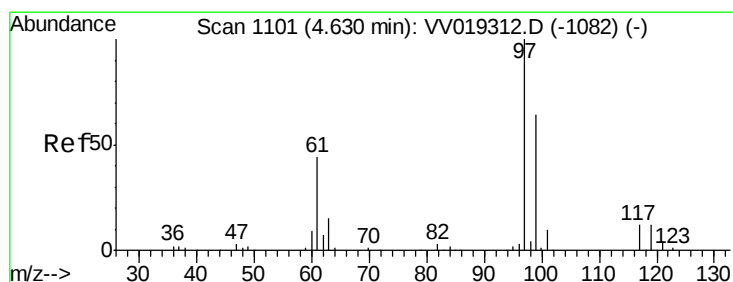
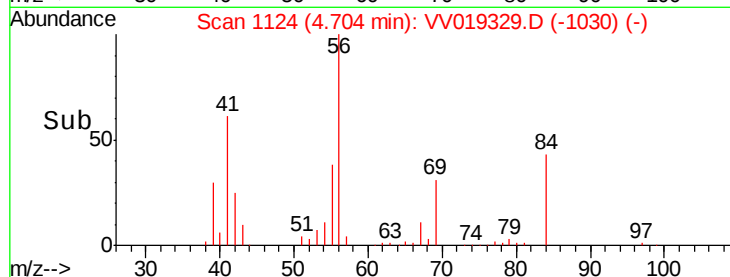
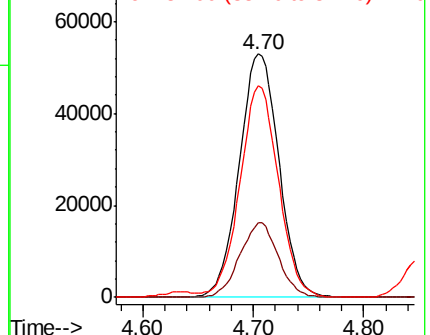
56 100

69 29.8 25.0 37.4

84 84.1 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 46.573 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

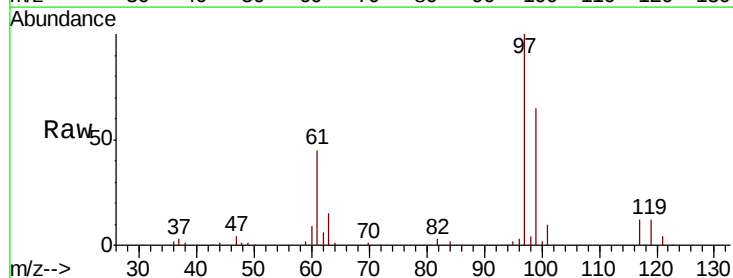
Tgt Ion: 97 Resp: 156567

Ion Ratio Lower Upper

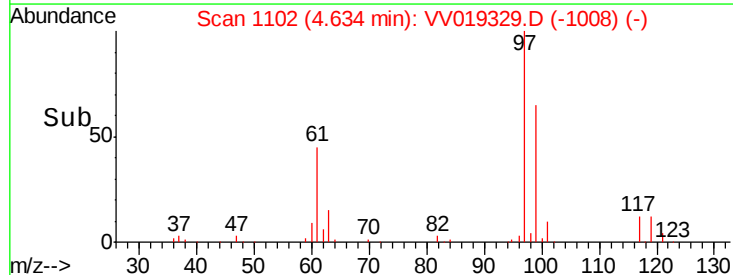
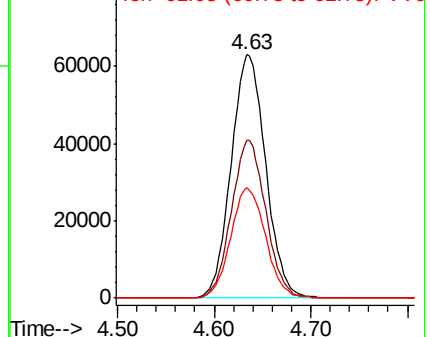
97 100

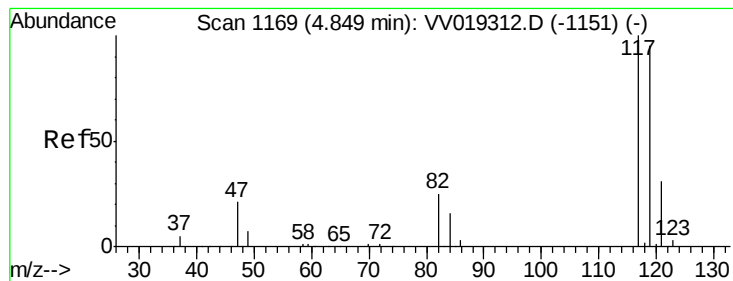
99 64.4 51.3 76.9

61 46.0 34.6 52.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 45.303 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.01 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

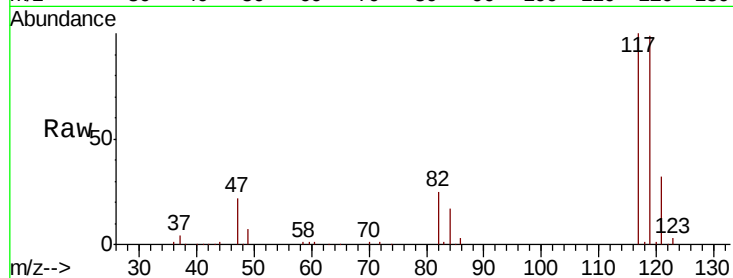
ClientSampleId :

Tot Ion:117 Resp: 135049

Ion Ratio Lower Upper

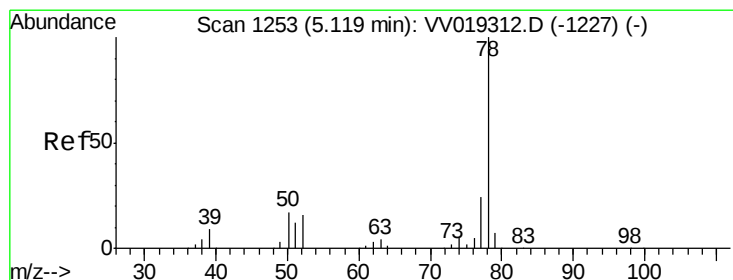
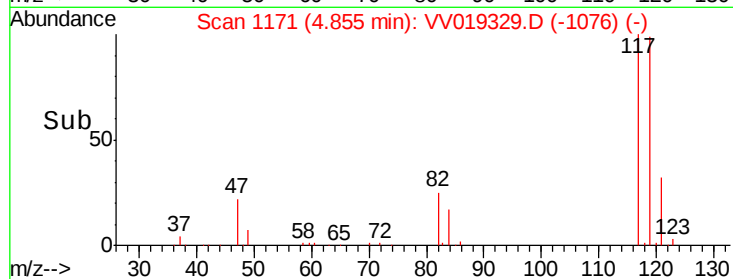
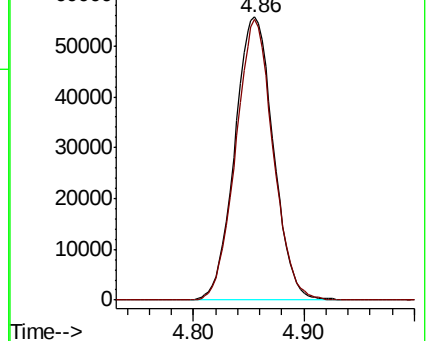
117 100

119 96.0 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.620 ug/L

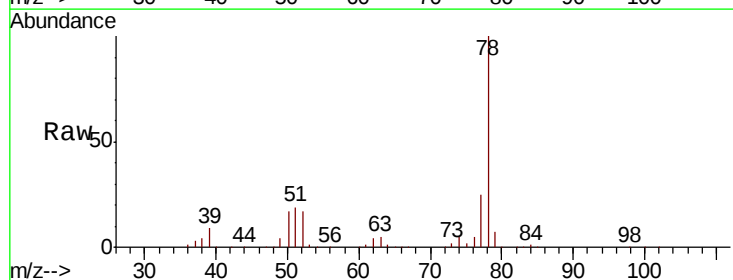
RT: 5.13 min Scan# 1255

Delta R.T. 0.01 min

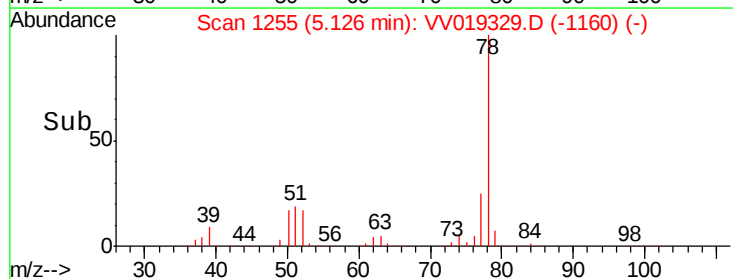
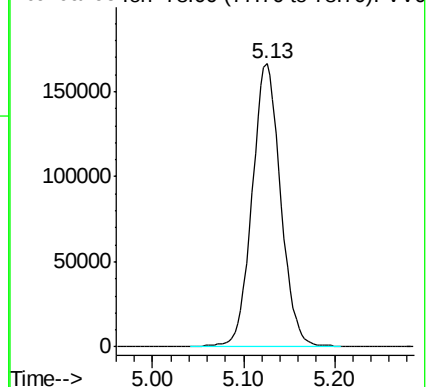
Lab File: VV019329.D

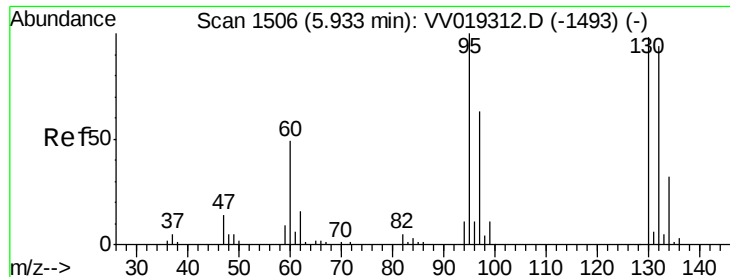
Acq: 10 Nov 2020 17:29

Tgt Ion: 78 Resp: 362067



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.760 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 95543

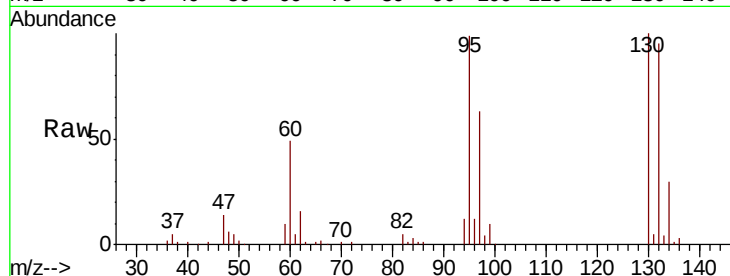
Ion Ratio Lower Upper

95 100

97 63.8 43.4 80.6

132 95.8 69.7 129.4

130 101.1 72.4 134.5

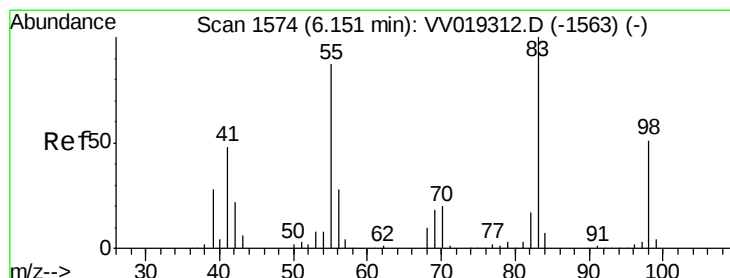
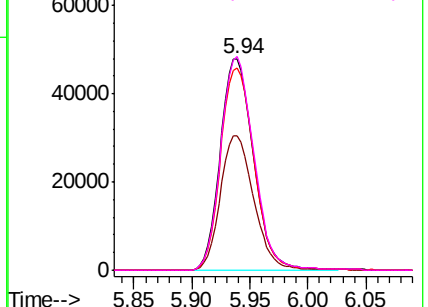
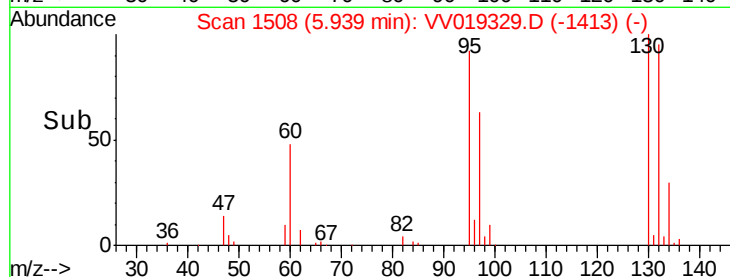


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#35

Methylcyclohexane

Concen: 46.251 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

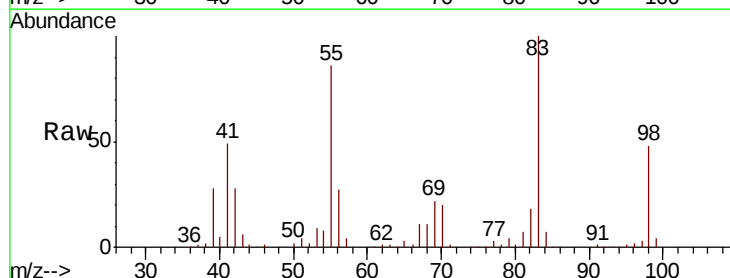
Tgt Ion: 83 Resp: 122346

Ion Ratio Lower Upper

83 100

55 82.8 62.2 93.4

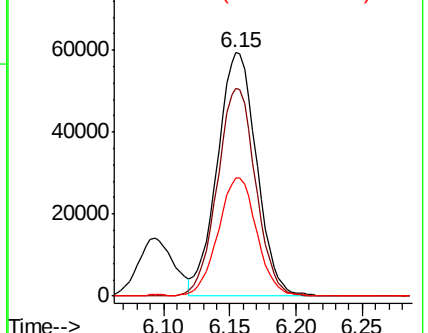
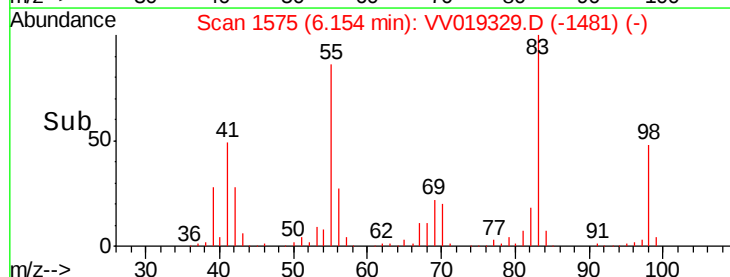
98 48.1 39.4 59.2

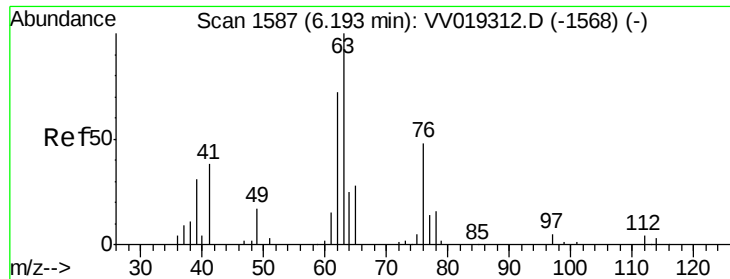


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

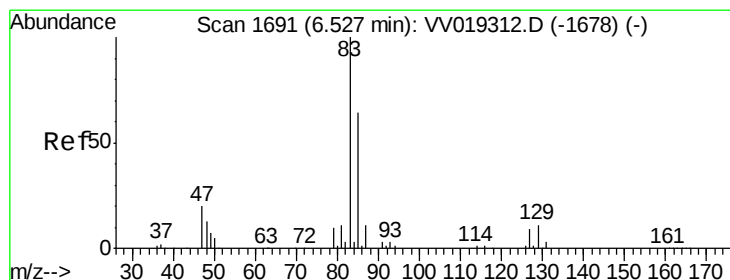
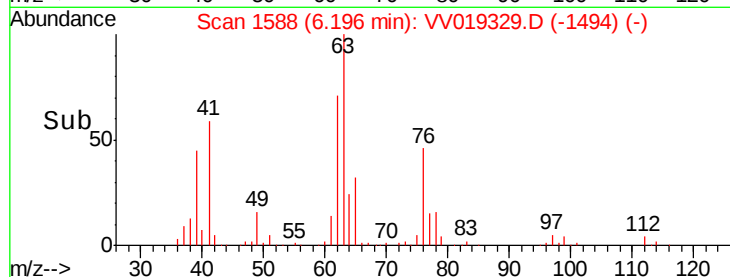
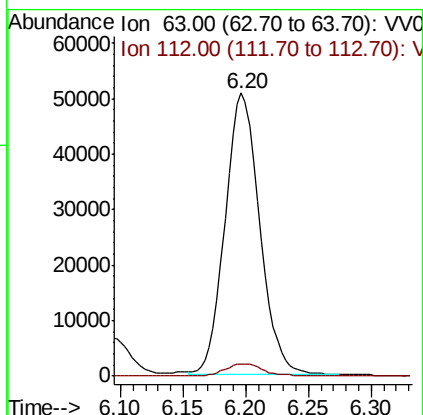
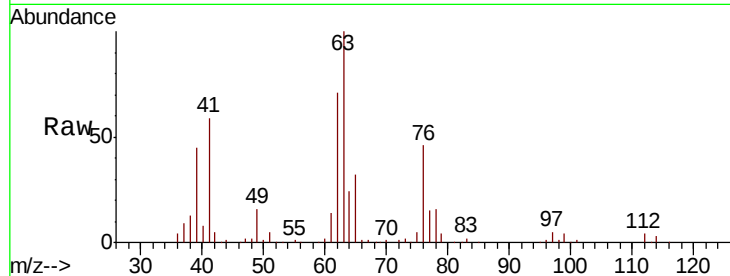




#37
 1,2-Dichloropropane
 Concen: 54.965 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

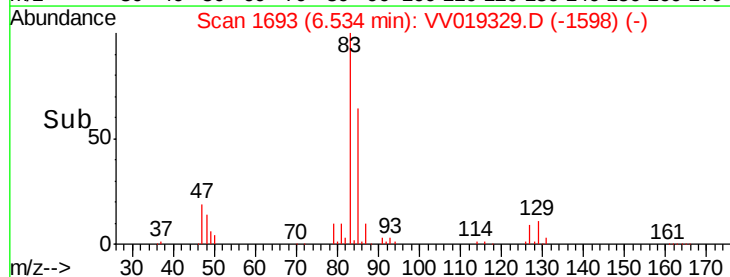
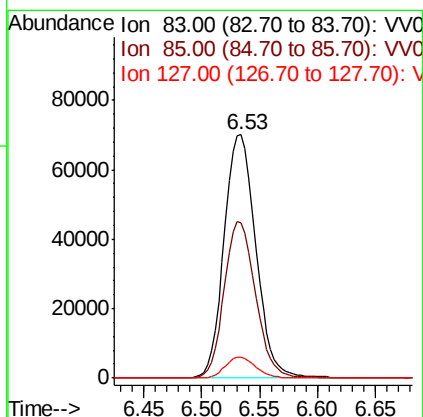
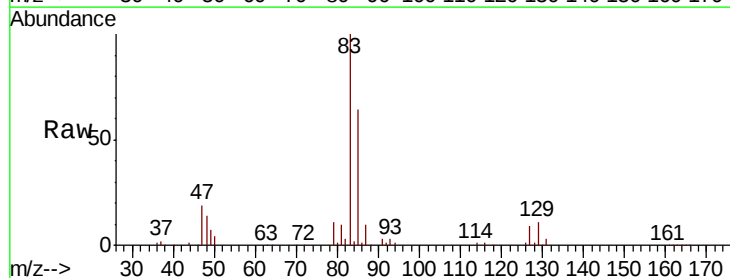
Instrument :
 MSVOA_V
 ClientSampled :

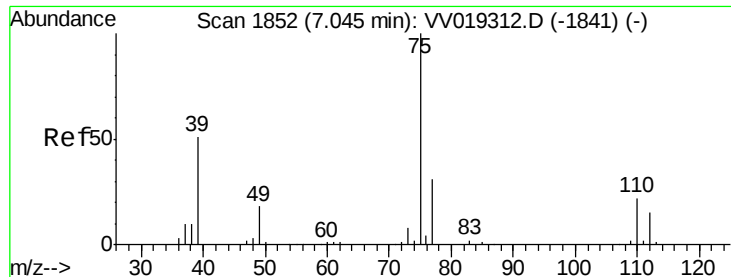
Tot Ion: 63 Resp: 97634
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 50.298 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion: 83 Resp: 132907
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.9 85.3
 127 8.7 6.9 10.3

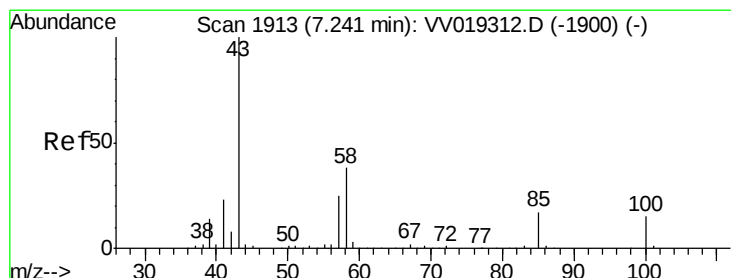
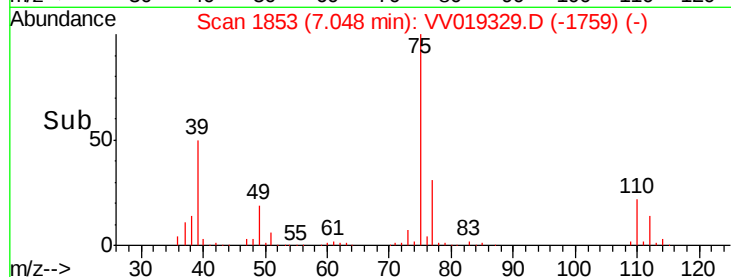
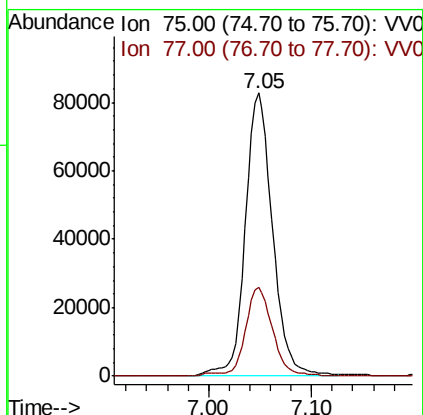
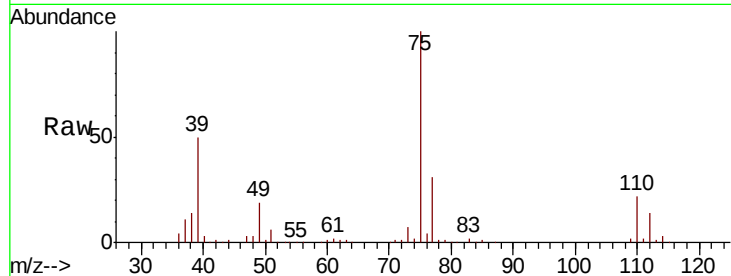




#39
 cis-1,3-Dichloropropene
 Concen: 51.826 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

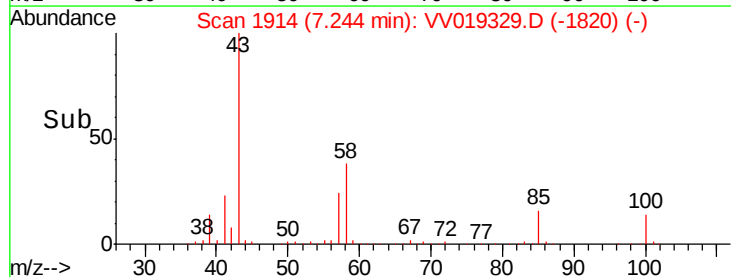
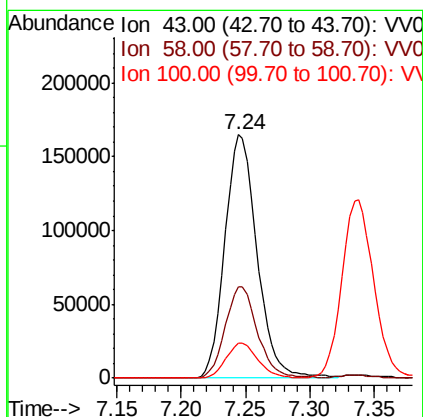
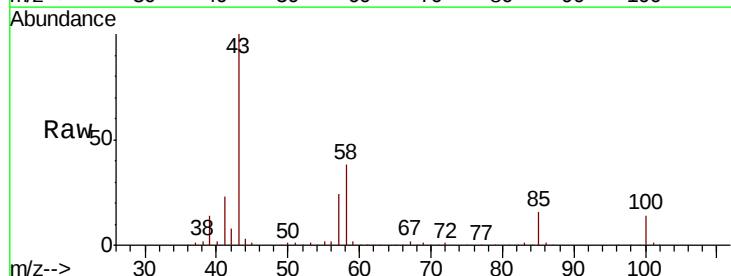
Instrument :
 MSVOA_V
 ClientSampleId :

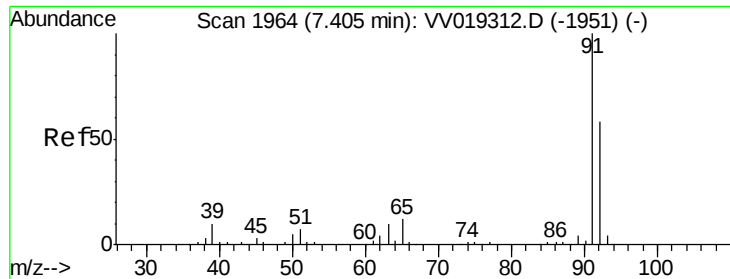
Tot Ion: 75 Resp: 152056
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 116.392 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion: 43 Resp: 285209
 Ion Ratio Lower Upper
 43 100
 58 37.6 31.0 46.4
 100 14.4 13.2 19.8





#42

Toluene

Concen: 49.685 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

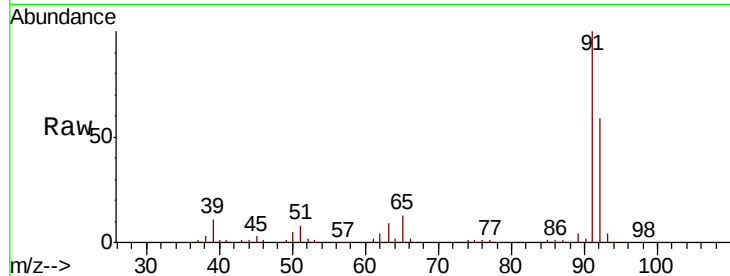
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 91 Resp: 389585

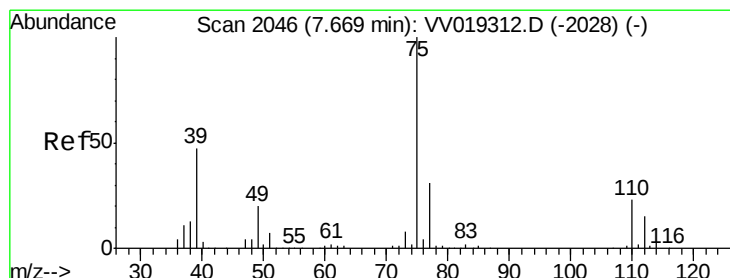
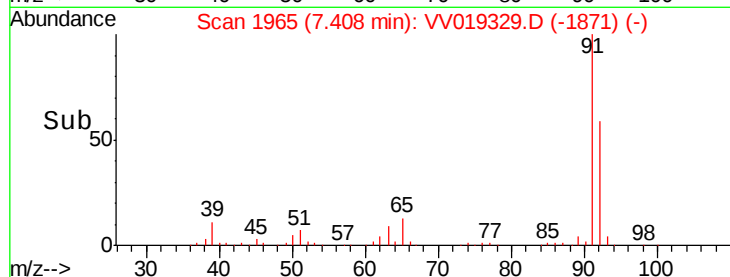
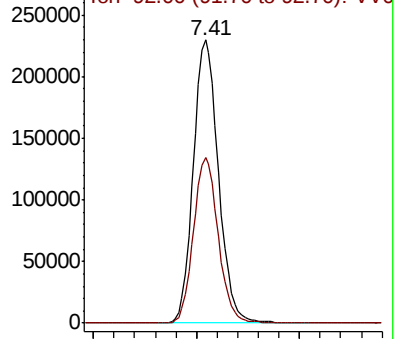
Ion Ratio Lower Upper

91 100

92 58.5 41.5 77.1



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 50.495 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV019329.D

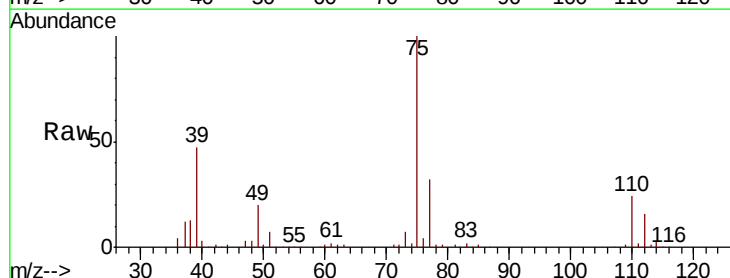
Acq: 10 Nov 2020 17:29

Tgt Ion: 75 Resp: 154116

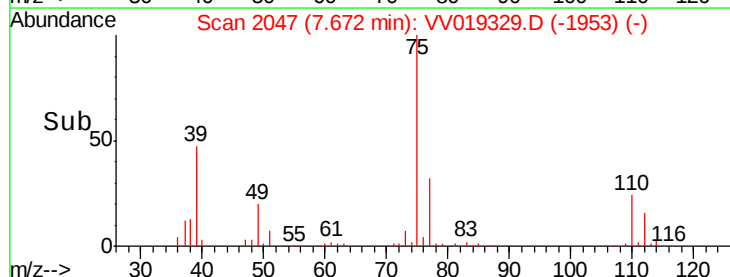
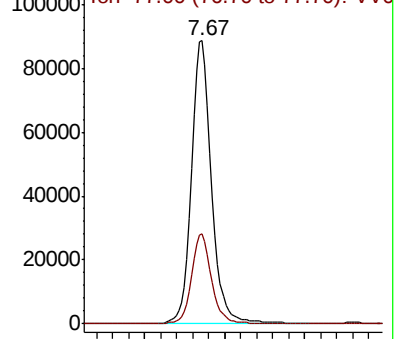
Ion Ratio Lower Upper

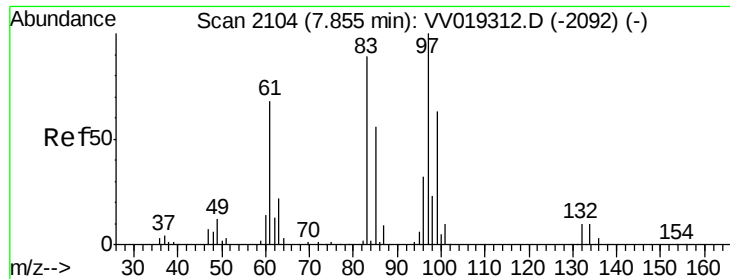
75 100

77 31.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0

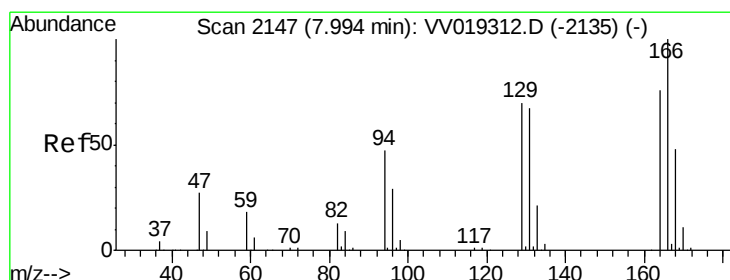
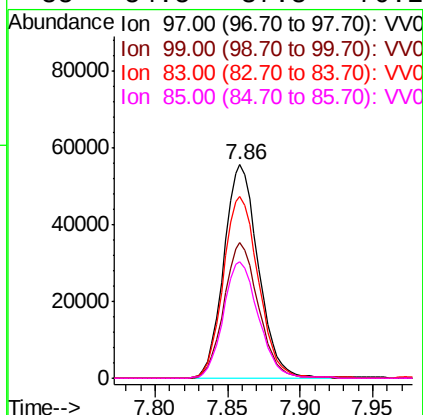
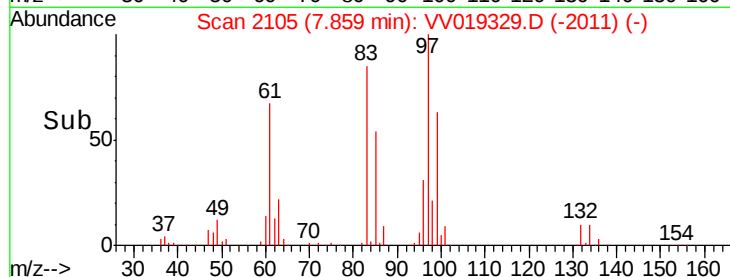
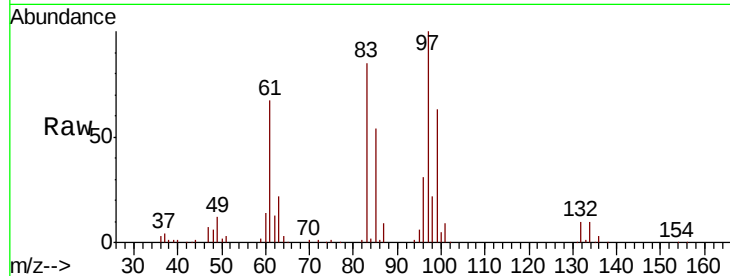




#45
 1,1,2-Trichloroethane
 Concen: 51.506 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

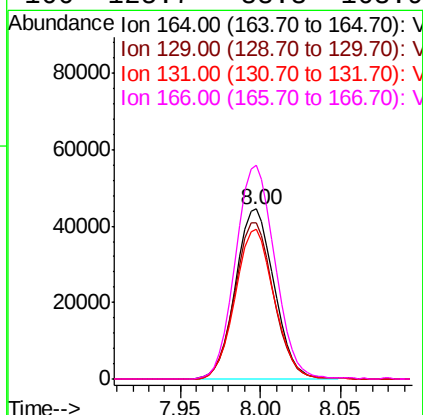
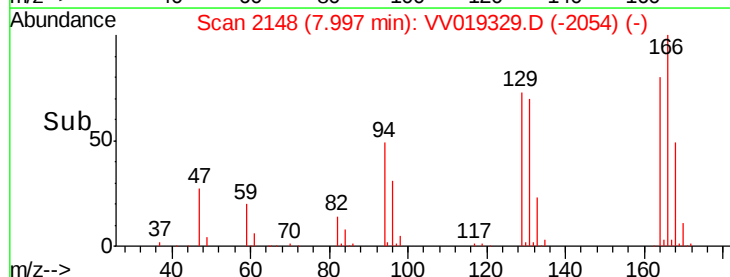
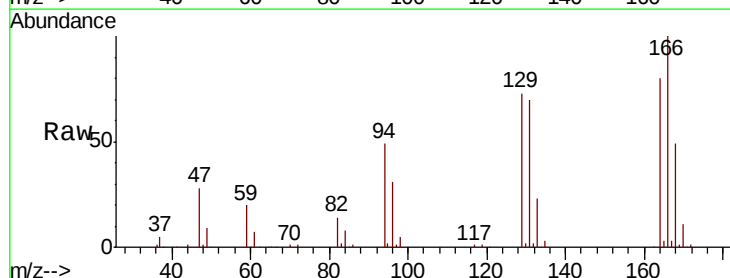
Instrument :
 MSVOA_V
 ClientSampleId :

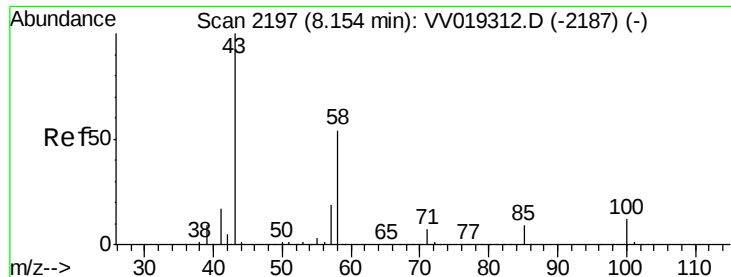
Tot Ion:	97	Resp:	91758
Ion	Ratio	Lower	Upper
97	100		
99	63.3	43.1	80.1
83	84.9	58.3	108.3
85	54.5	37.8	70.2



#46
 Tetrachloroethene
 Concen: 43.663 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion:	164	Resp:	73056
Ion	Ratio	Lower	Upper
164	100		
129	92.2	63.2	117.4
131	88.0	60.3	112.1
166	125.7	88.3	163.9

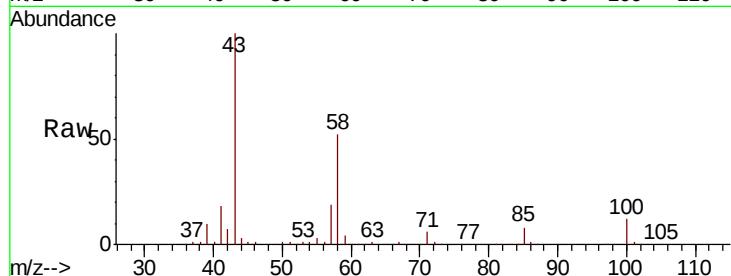




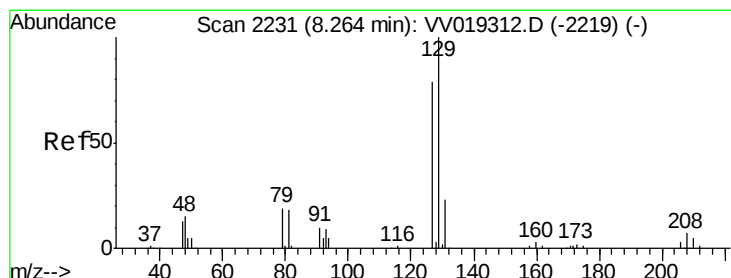
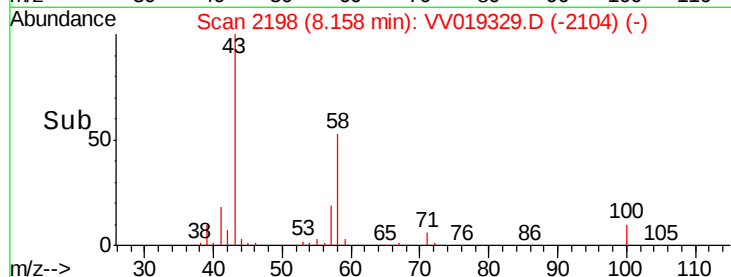
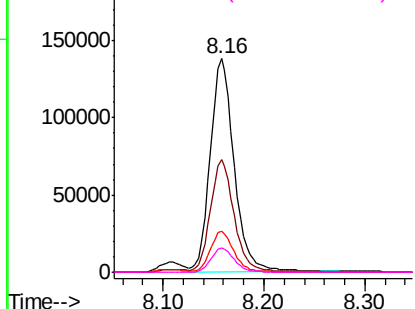
#48
2-Hexanone
Concen: 116.077 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 226082
Ion Ratio Lower Upper
43 100
58 51.0 43.6 65.4
57 18.5 16.0 24.0
100 11.2 10.3 15.5

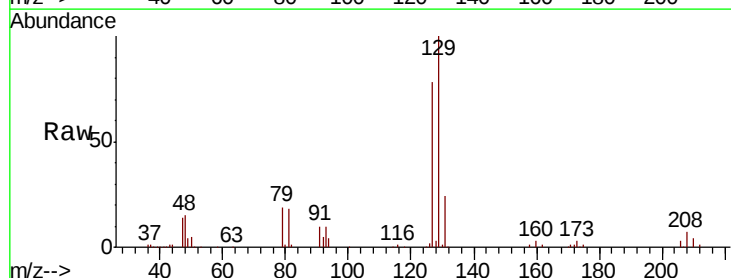


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

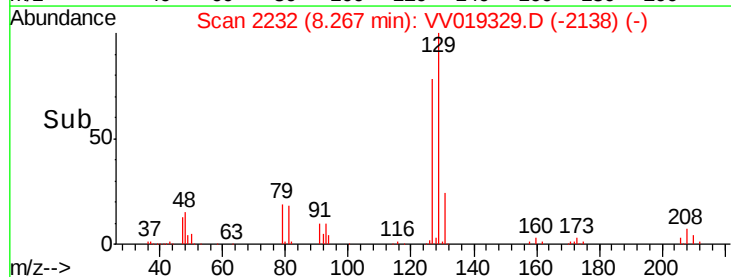
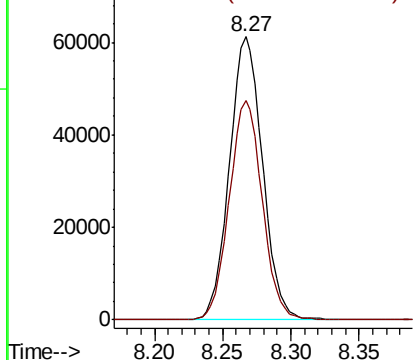


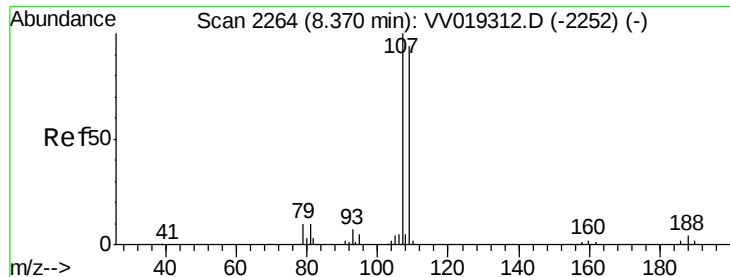
#49
Dibromochloromethane
Concen: 47.865 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Tgt Ion: 129 Resp: 103244
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

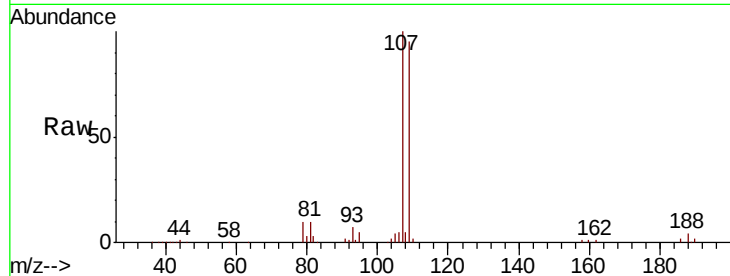




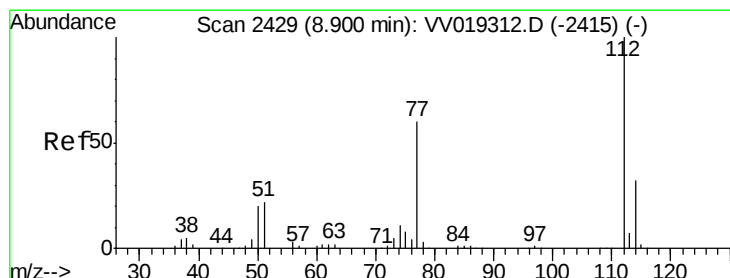
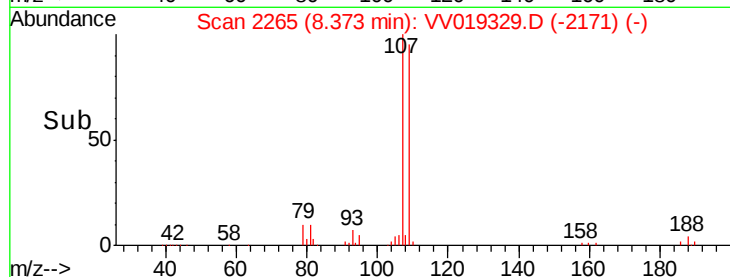
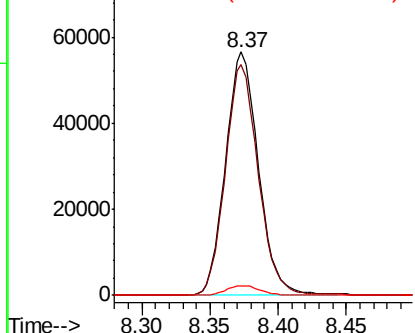
#50
1,2-Dibromoethane
Concen: 50.004 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:107 Resp: 95042
Ion Ratio Lower Upper
107 100
109 95.0 65.7 121.9
188 3.9 3.4 5.2

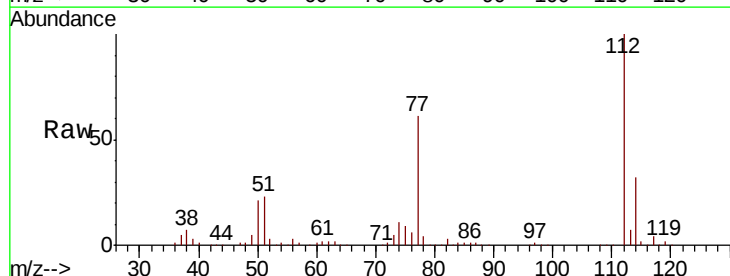


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

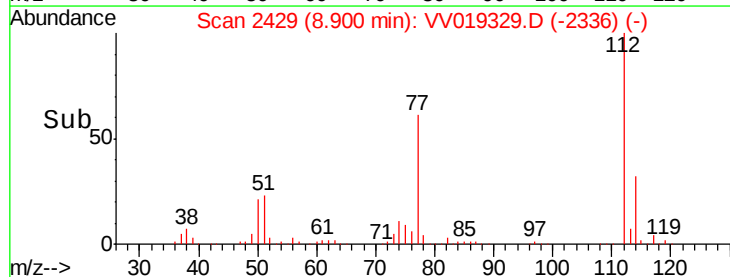
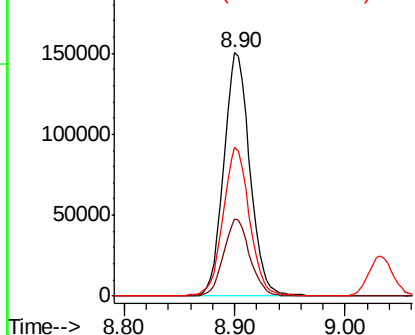


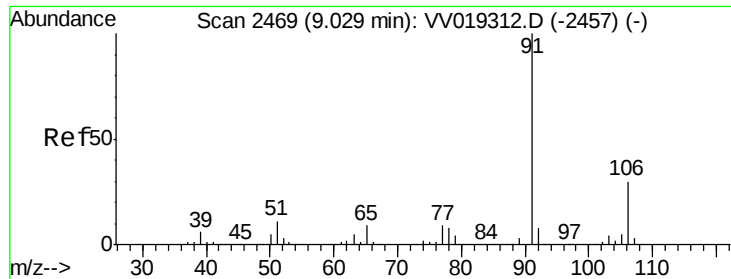
#51
Chlorobenzene
Concen: 48.020 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Tgt Ion:112 Resp: 246862
Ion Ratio Lower Upper
112 100
114 31.6 22.3 41.5
77 61.2 46.7 70.1



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

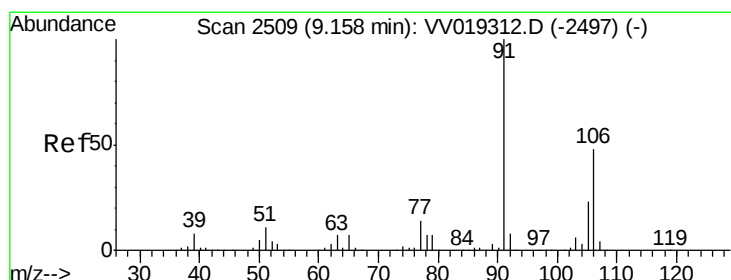
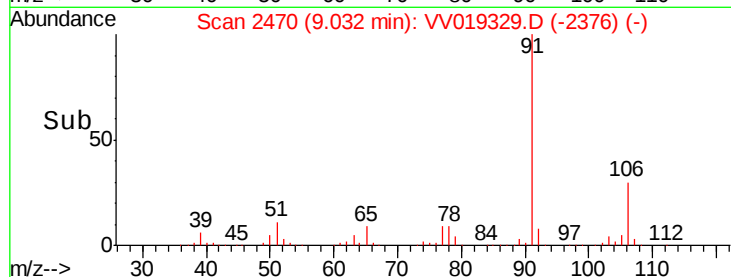
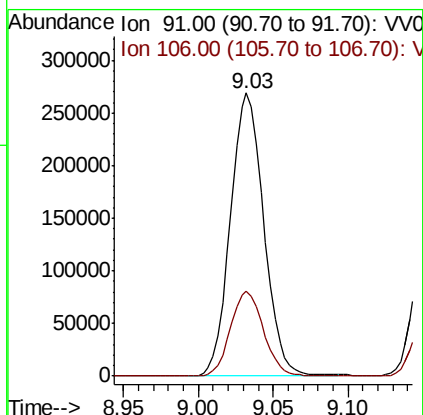
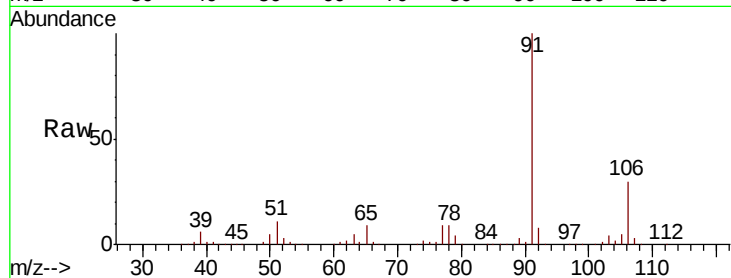




#52
Ethylbenzene
Concen: 48.395 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

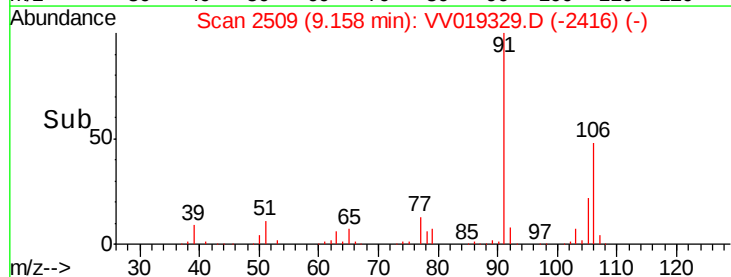
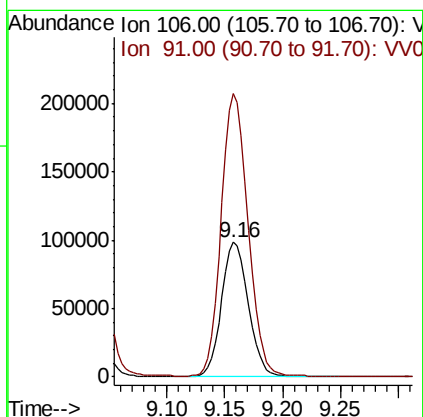
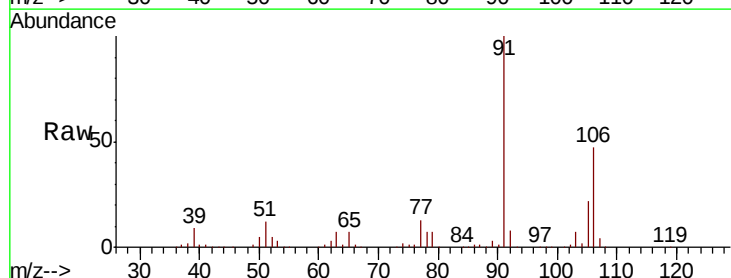
Instrument :
MSVOA_V
ClientSampleId :

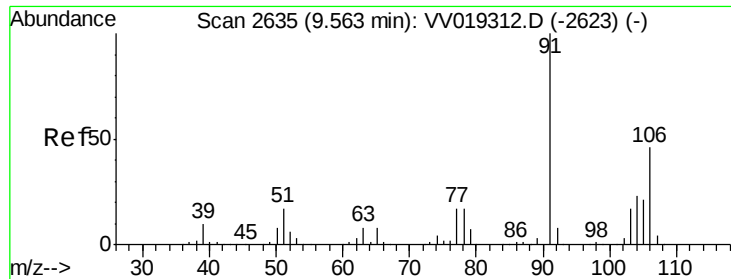
Tot Ion: 91 Resp: 418139
Ion Ratio Lower Upper
91 100
106 29.9 21.6 40.0



#53
m,p-Xylene
Concen: 48.314 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV019329.D
Acq: 10 Nov 2020 17:29

Tgt Ion: 106 Resp: 157667
Ion Ratio Lower Upper
106 100
91 210.6 145.4 270.0





#54

o-xylene

Concen: 48.703 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

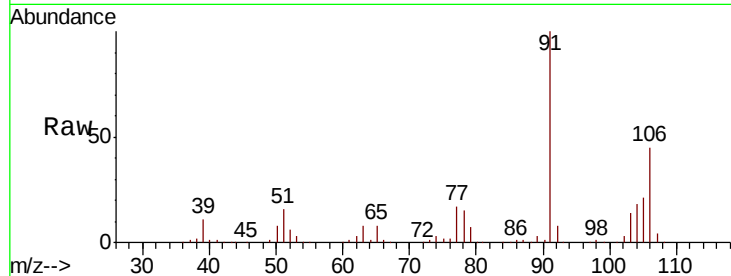
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:106 Resp: 152597

Ion Ratio Lower Upper

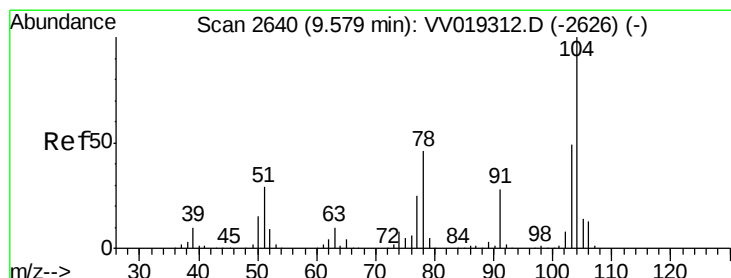
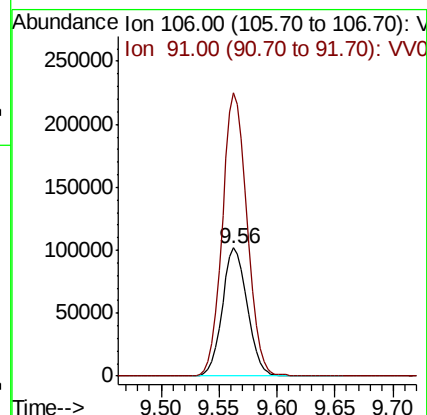
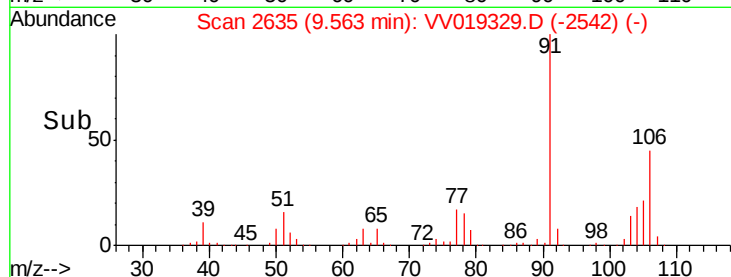
106 100

91 221.0 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.550 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV019329.D

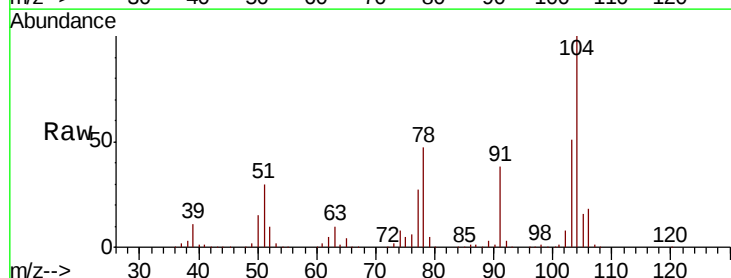
Acq: 10 Nov 2020 17:29

Tgt Ion:104 Resp: 280716

Ion Ratio Lower Upper

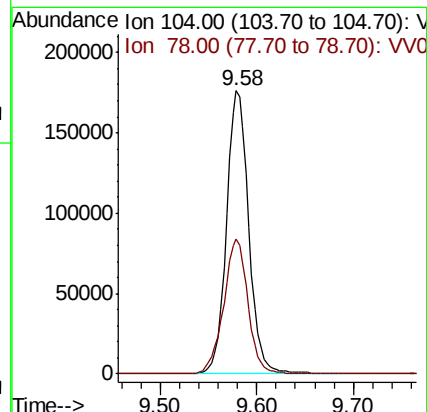
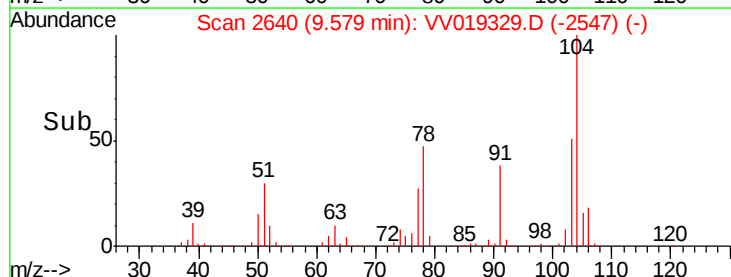
104 100

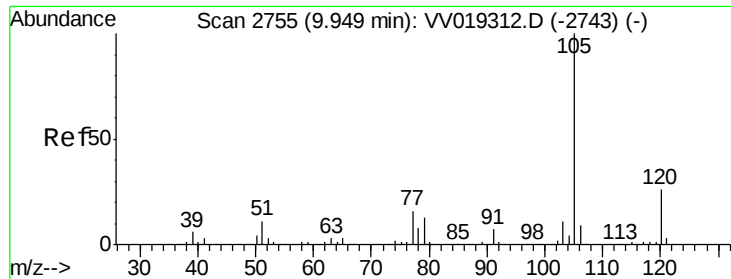
78 47.5 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.275 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :
MSVOA_V
ClientSampleId :

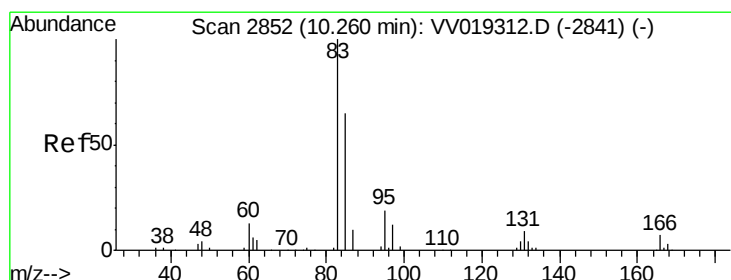
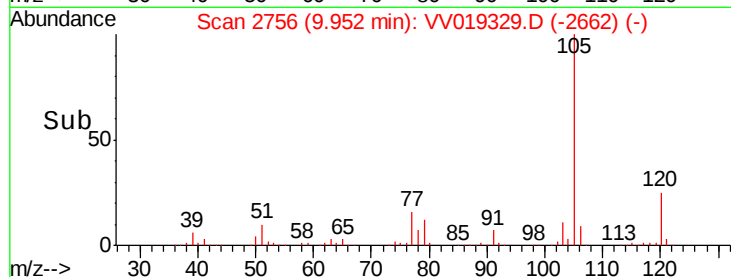
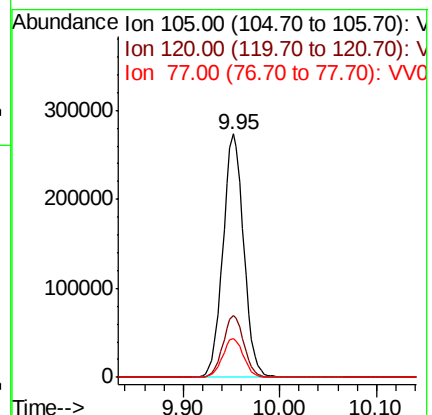
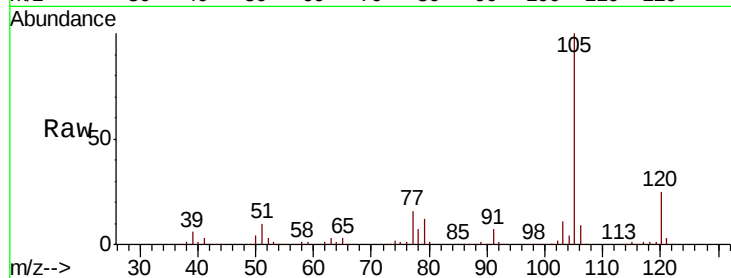
Tot Ion:105 Resp: 406485

Ion Ratio Lower Upper

105 100

120 25.5 21.3 31.9

77 16.3 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 51.951 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

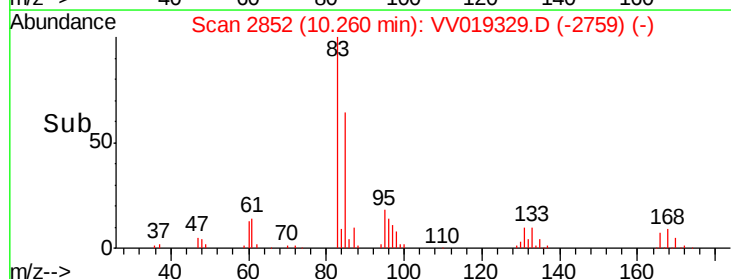
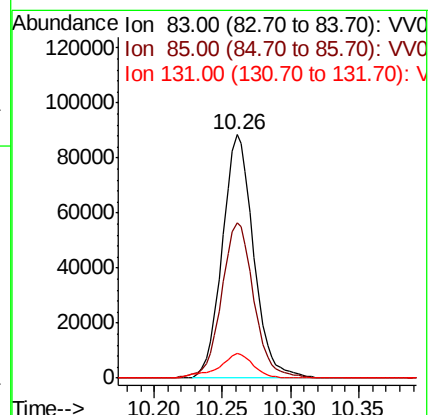
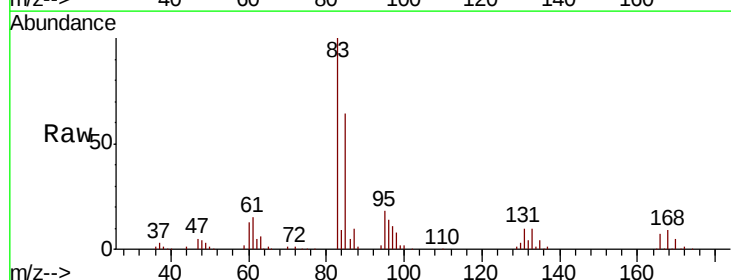
Tgt Ion: 83 Resp: 140926

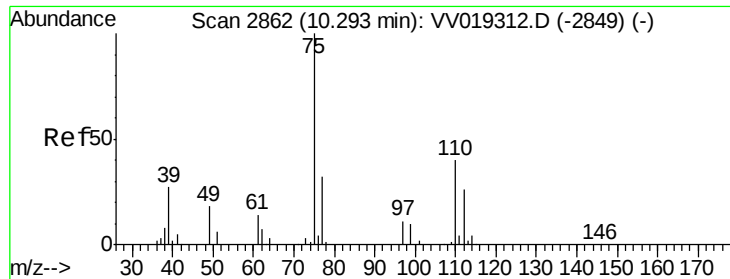
Ion Ratio Lower Upper

83 100

85 63.9 45.8 85.0

131 10.0 8.9 13.3





#59

1,2,3-Trichloropropane

Concen: 52.323 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

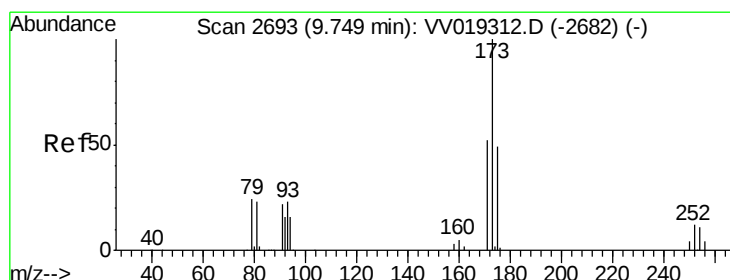
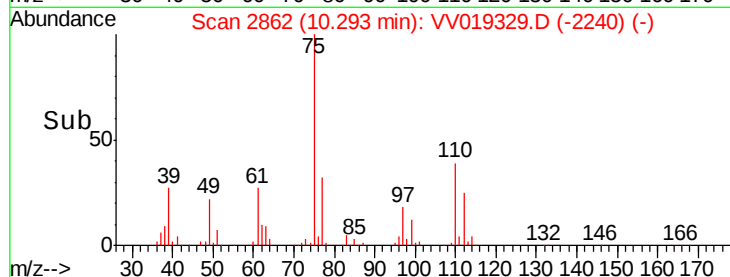
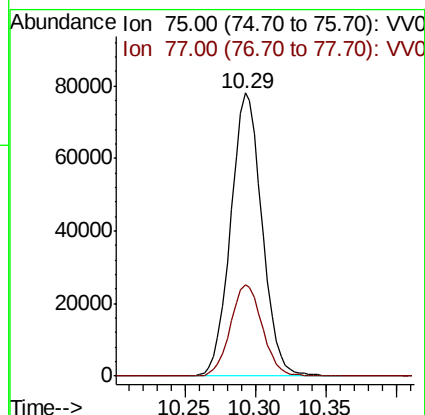
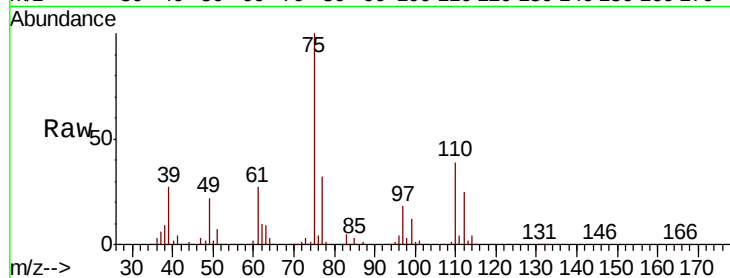
ClientSampled :

Tot Ion: 75 Resp: 121499

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



#61

Bromoform

Concen: 45.431 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

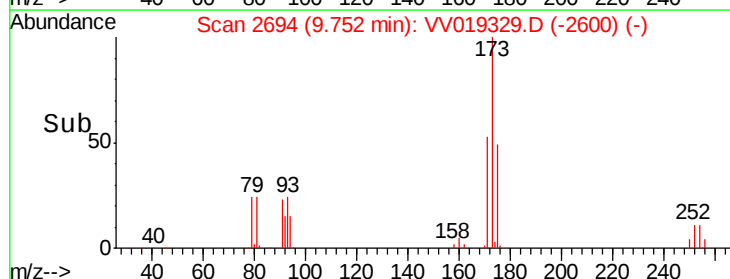
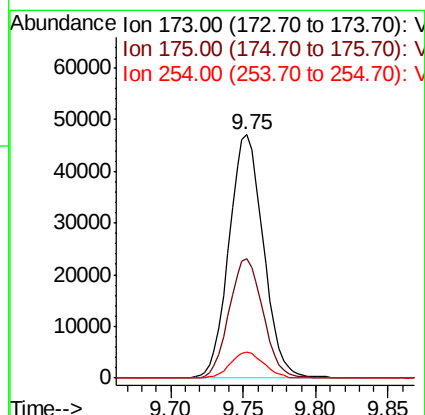
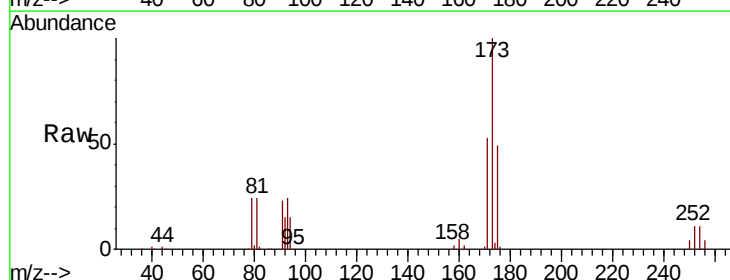
Tgt Ion: 173 Resp: 77316

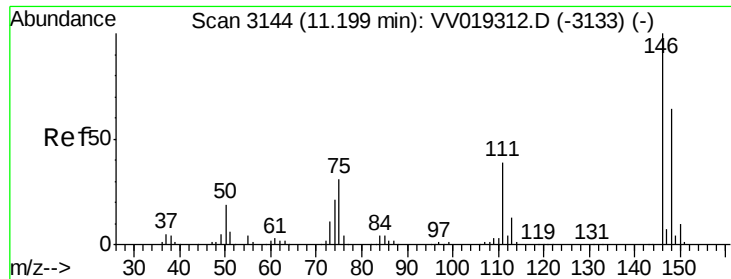
Ion Ratio Lower Upper

173 100

175 48.5 39.8 59.6

254 10.4 9.7 14.5

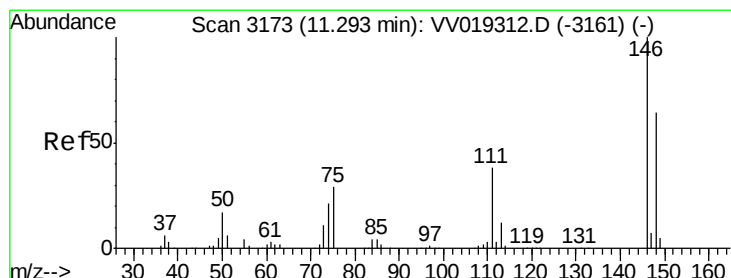
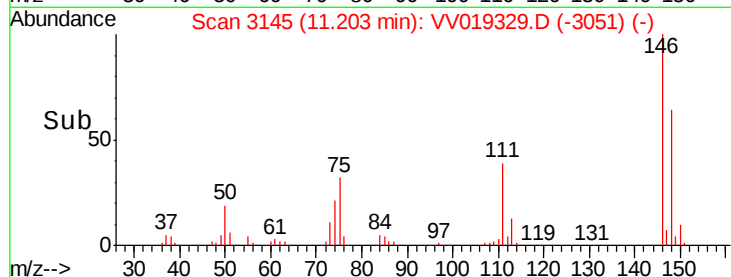
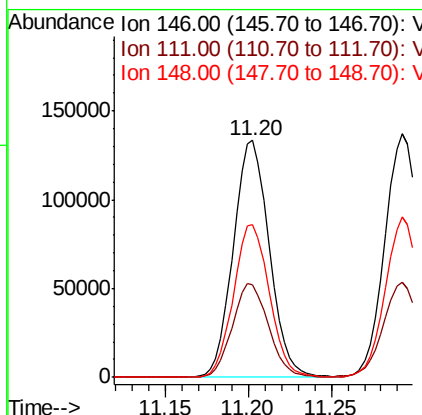
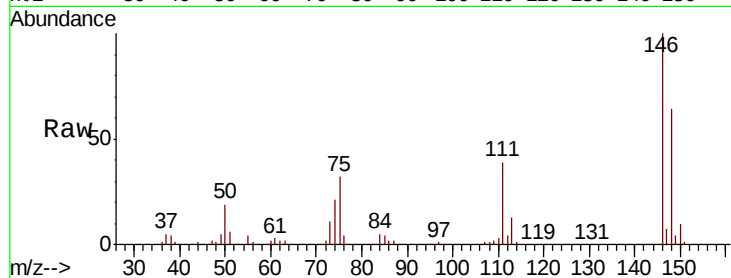




#62
 1,3-Dichlorobenzene
 Concen: 46.482 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

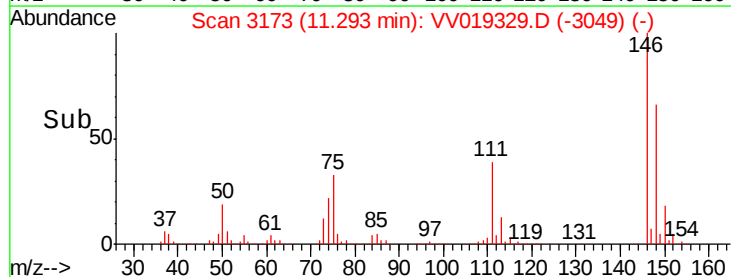
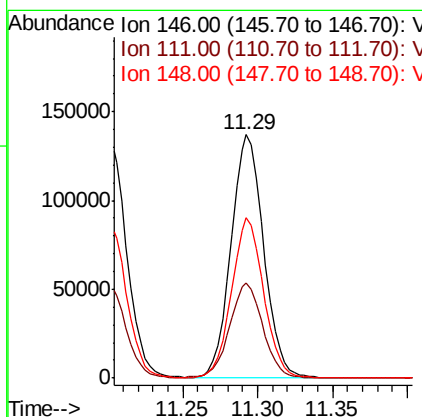
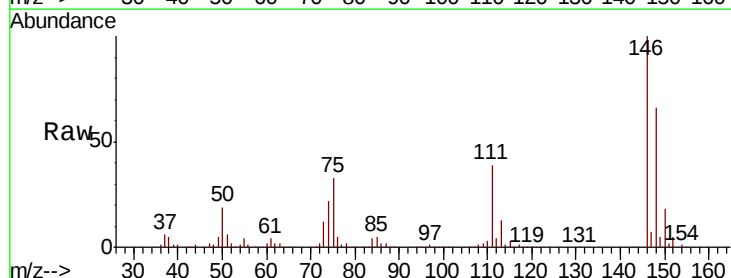
Instrument :
 MSVOA_V
 ClientSampleId :

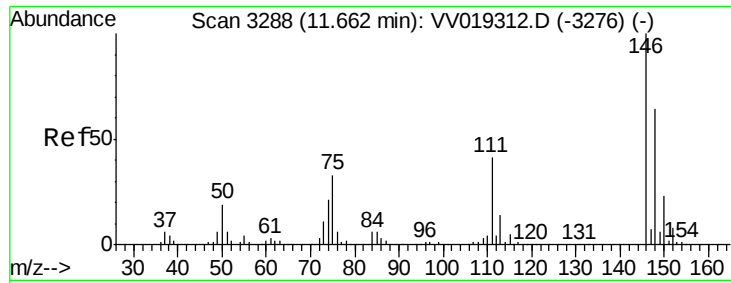
Tot Ion:146 Resp: 202275
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.1 50.3
 148 64.5 44.7 83.1



#63
 1,4-Dichlorobenzene
 Concen: 45.867 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion:146 Resp: 207433
 Ion Ratio Lower Upper
 146 100
 111 39.1 25.8 48.0
 148 65.7 44.0 81.6





#65

1,2-Dichlorobenzene

Concen: 47.475 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Instrument :

MSVOA_V

ClientSampleId :

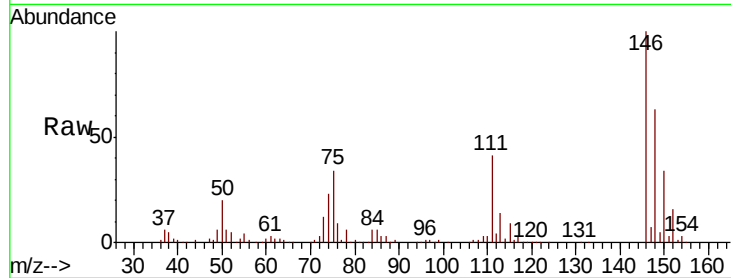
Tot Ion:146 Resp: 204662

Ion Ratio Lower Upper

146 100

111 40.7 32.2 48.4

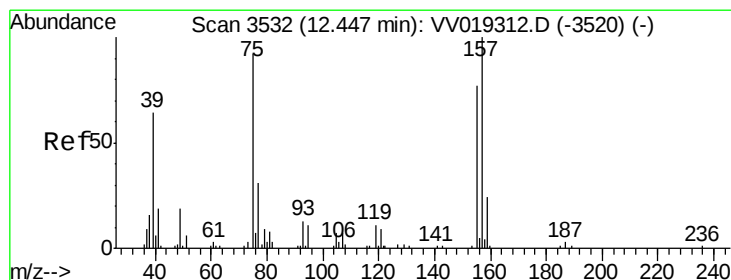
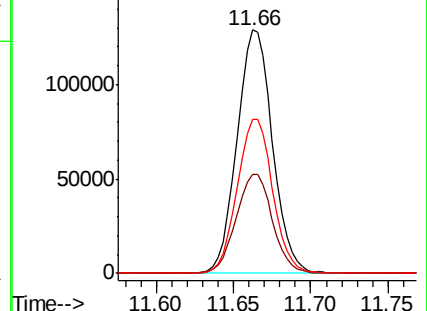
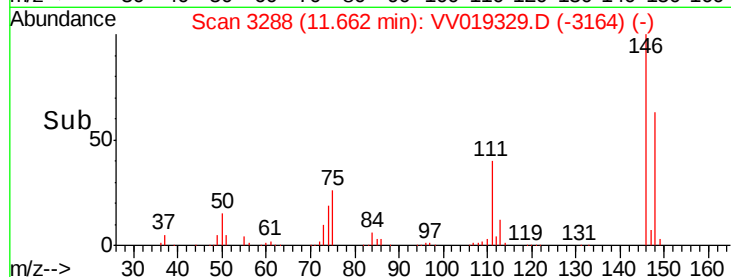
148 63.1 50.8 76.2



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: 46.025 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

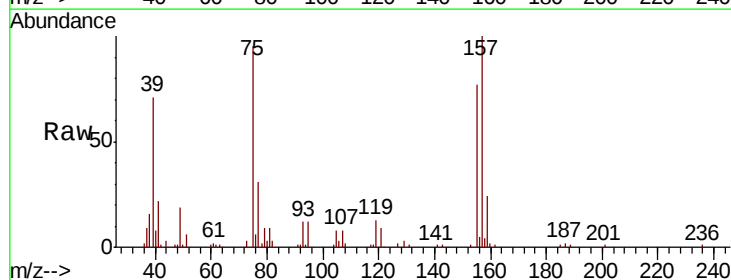
Tgt Ion: 75 Resp: 33949

Ion Ratio Lower Upper

75 100

155 81.0 71.1 106.7

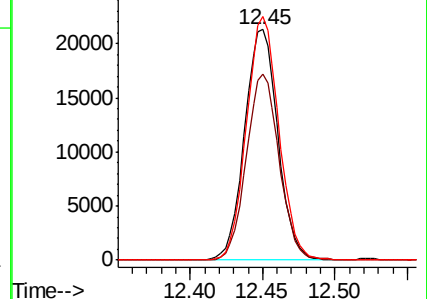
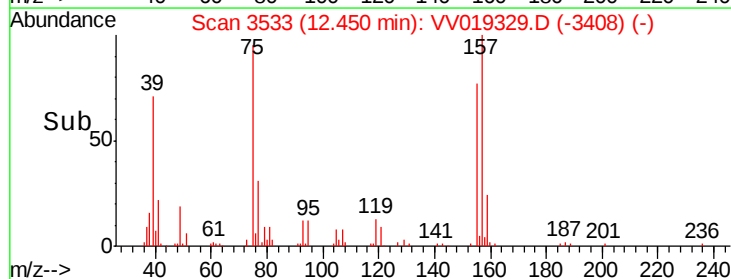
157 105.8 90.5 135.7

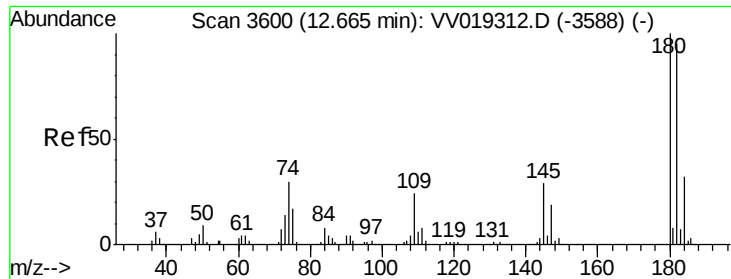


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

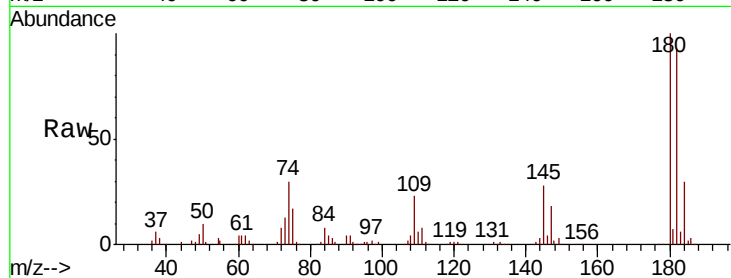




#67
 1,3,5-Trichlorobenzene
 Concen: 43.935 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.1	114.1
184	30.1	24.5	36.7
145	29.0	22.7	34.1



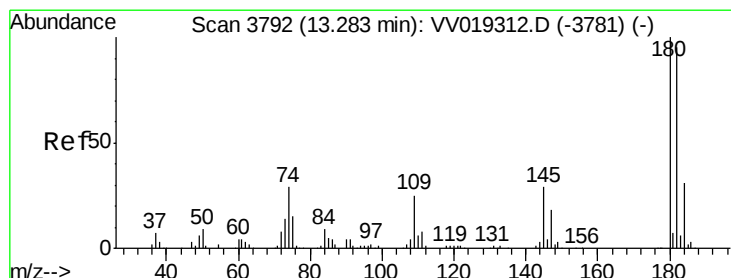
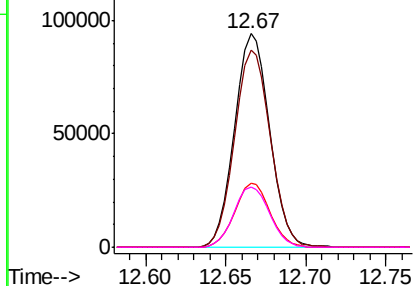
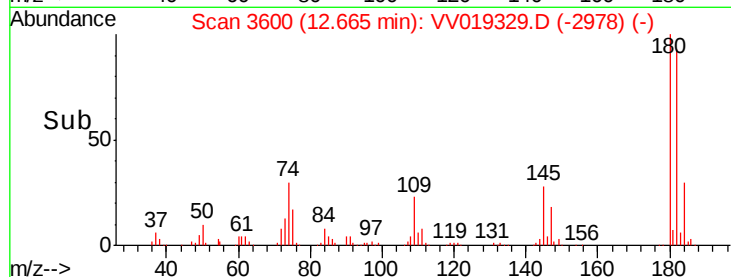
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

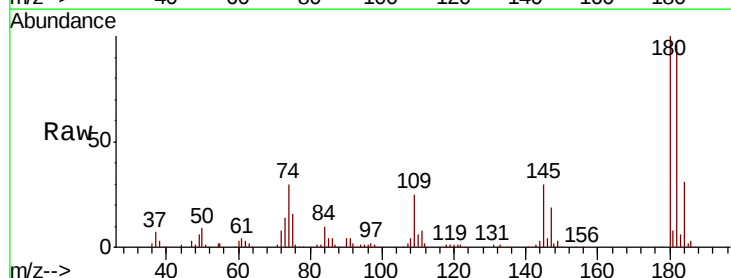
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 42.757 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019329.D
 Acq: 10 Nov 2020 17:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.6
145	29.9	22.6	34.0

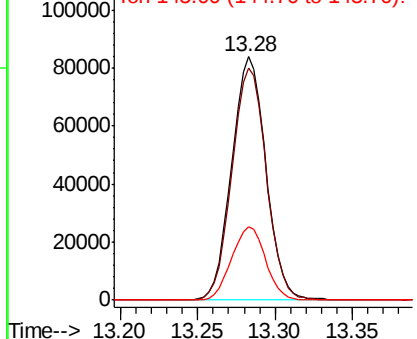
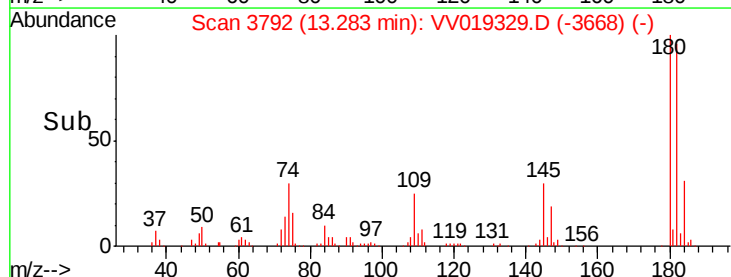


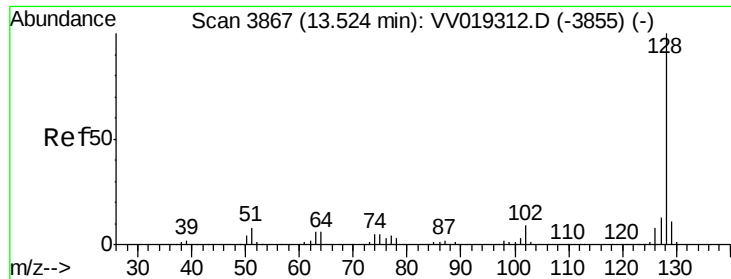
Abundance

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: 45.699 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

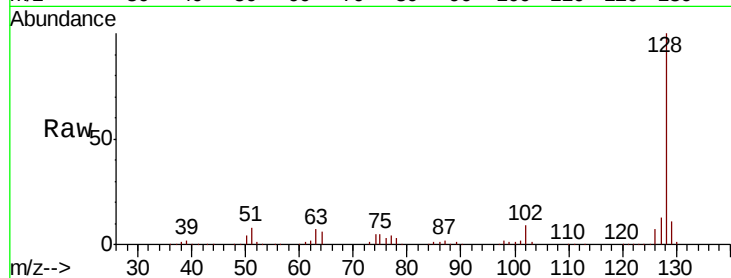
Instrument :

MSVOA_V

ClientSampleId :

Tot Ion:128 Resp: 384169

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.8	16.2
129	10.6	8.6	13.0

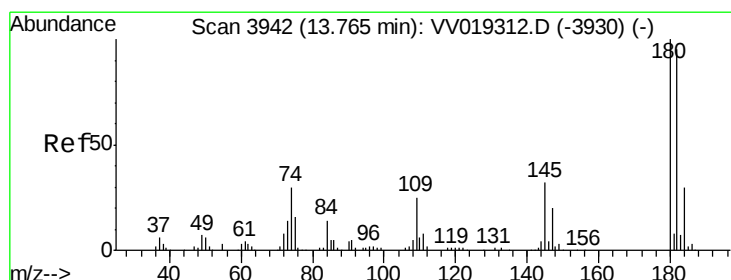
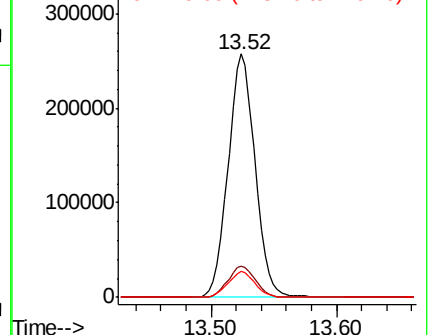
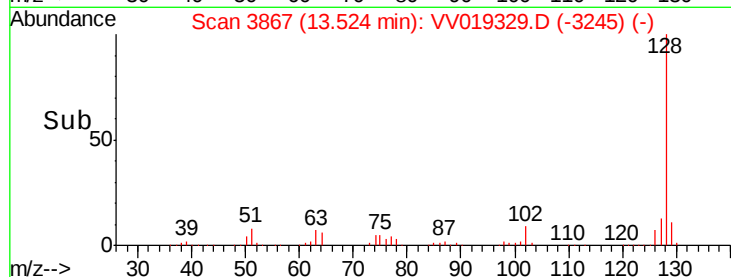


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 45.337 ug/L

RT: 13.77 min Scan# 3942

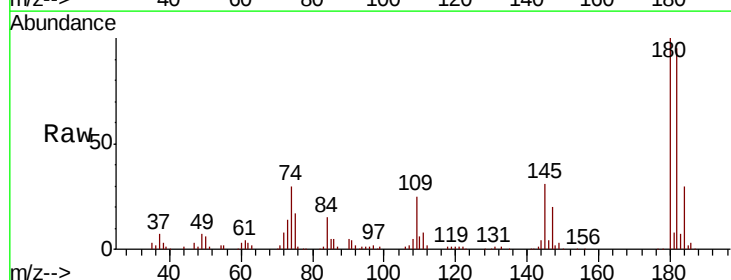
Delta R.T. 0.00 min

Lab File: VV019329.D

Acq: 10 Nov 2020 17:29

Tgt Ion:180 Resp: 133160

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.2	114.4
145	31.1	25.1	37.7



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

