

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014829.D
 Acq On : 11 Mar 2020 02:18
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Mar 11 03:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 03:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	441756	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	430766	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	223910	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110172	36.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.70%
7) Chloroethane-d5	1.58	69	95109	40.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.48%
11) 1,1-Dichloroethene-d2	2.12	63	196191	39.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.98%
21) 2-Butanone-d5	3.93	46	178220	79.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	79.93%
24) Chloroform-d	4.38	84	261445	46.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.38%
26) 1,2-Dichloroethane-d4	5.06	65	164598	42.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.62%
32) Benzene-d6	5.08	84	514988	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
36) 1,2-Dichloropropane-d6	6.10	67	159631	42.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.68%
41) Toluene-d8	7.34	98	505301	45.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.72%
43) trans-1,3-Dichloropropene-	7.64	79	78142	42.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.90%
47) 2-Hexanone-d5	8.12	63	164231	98.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.12%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	236940	45.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.38%
64) 1,2-Dichlorobenzene-d4	11.65	152	215798	48.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.26%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	190524	43.639	ug/L 99
3) Chloromethane	1.25	50	159717	41.535	ug/L 99
5) Vinyl chloride	1.32	62	152792	42.877	ug/L 98
6) Bromomethane	1.53	94	92830	41.973	ug/L 100
8) Chloroethane	1.60	64	85753	44.768	ug/L 100
9) Trichlorofluoromethane	1.76	101	216268	45.388	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105412	42.973	ug/L 98
12) 1,1-Dichloroethene	2.13	96	107544	44.814	ug/L 94
13) Acetone	2.20	43	93461	50.206	ug/L 97
14) Carbon disulfide	2.31	76	327273	41.249	ug/L 100
15) Methyl Acetate	2.45	43	122992	35.167	ug/L 92
16) Methylene chloride	2.52	84	150151	46.070	ug/L 93
17) trans-1,2-Dichloroethene	2.78	96	137657	46.434	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	445927	45.944	ug/L 97
19) 1,1-Dichloroethane	3.21	63	253984	43.863	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	155994	47.047	ug/L 93
22) 2-Butanone	4.01	43	180327	73.432	ug/L 98

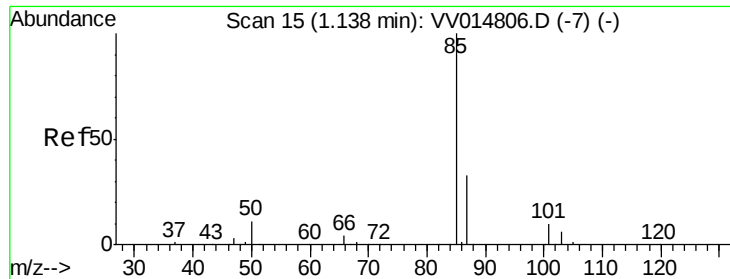
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031020\
 Data File : VV014829.D
 Acq On : 11 Mar 2020 02:18
 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Wed Mar 11 03:49:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	79845	47.301	uq/L	90
25) Chloroform	4.41	83	266931	44.498	uq/L	96
27) 1,2-Dichloroethane	5.16	62	203632	43.799	uq/L	97
29) Cyclohexane	4.70	56	227651	43.374	uq/L	91
30) 1,1,1-Trichloroethane	4.64	97	236634	47.381	uq/L	98
31) Carbon tetrachloride	4.86	117	206801	48.757	uq/L	99
33) Benzene	5.13	78	582249	46.657	uq/L	100
34) Trichloroethene	5.94	95	146615	44.956	uq/L	93
35) Methylcyclohexane	6.15	83	240779	44.725	uq/L	93
37) 1,2-Dichloropropane	6.20	63	142285	42.192	uq/L #	97
38) Bromodichloromethane	6.53	83	193772	45.170	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	232208	43.930	uq/L	96
40) 4-Methyl-2-pentanone	7.25	43	419644	85.870	uq/L #	94
42) Toluene	7.41	91	644131	46.786	uq/L	99
44) trans-1,3-Dichloropropene	7.67	75	208833	43.339	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	148432	47.791	uq/L	96
46) Tetrachloroethene	8.00	164	129642	48.586	uq/L	95
48) 2-Hexanone	8.16	43	326487	84.944	uq/L #	94
49) Dibromochloromethane	8.27	129	159076	46.992	uq/L	99
50) 1,2-Dibromoethane	8.37	107	159790	47.596	uq/L	100
51) Chlorobenzene	8.90	112	423461	47.804	uq/L	96
52) Ethylbenzene	9.03	91	728113	46.943	uq/L	99
53) m,p-Xylene	9.16	106	280172	48.133	uq/L	97
54) o-xylene	9.56	106	281489	49.230	uq/L	96
55) Styrene	9.58	104	479290	49.020	uq/L	98
56) Isopropylbenzene	9.95	105	725588	47.381	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	243936	45.599	uq/L	97
59) 1,2,3-Trichloropropane	10.30	75	193869	45.015	uq/L	99
61) Bromoform	9.75	173	110563	45.515	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	348062	48.070	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	351293	48.156	uq/L	99
65) 1,2-Dichlorobenzene	11.66	146	353535	49.043	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	55894	45.685	uq/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	261235	46.650	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	234560	45.572	uq/L	99
69) Naphthalene	13.52	128	370502	47.816	uq/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	245541	47.860	uq/L	98

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



#2

Dichlorodifluoromethane

Concen: 43.639 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

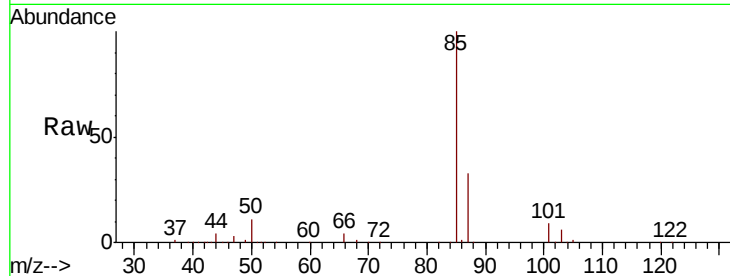
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 190524

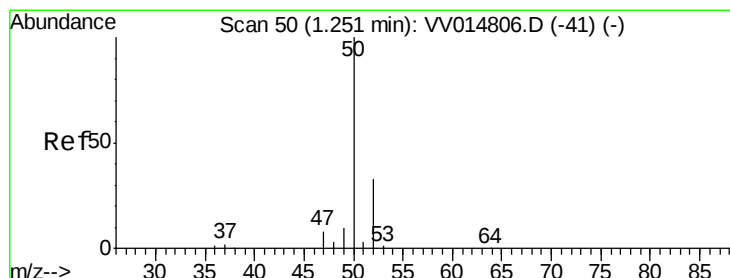
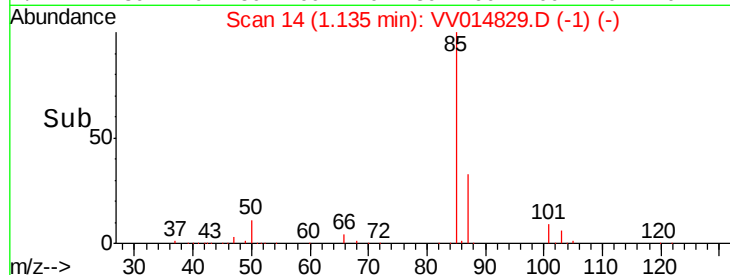
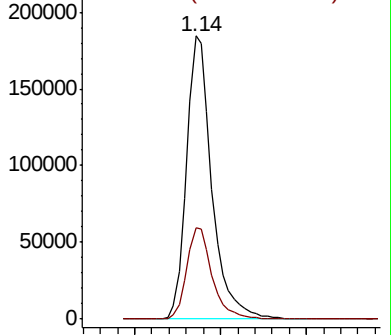
Ion Ratio Lower Upper

85 100

87 32.6 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV014806.D (-7) (-)



#3

Chloromethane

Concen: 41.535 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV014829.D

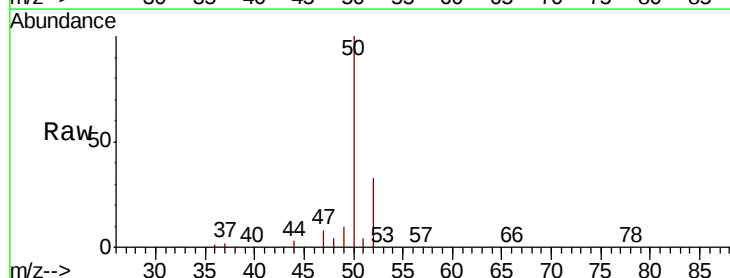
Acq: 11 Mar 2020 02:18

Tgt Ion: 50 Resp: 159717

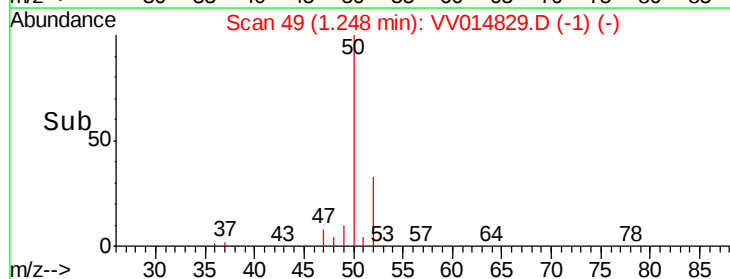
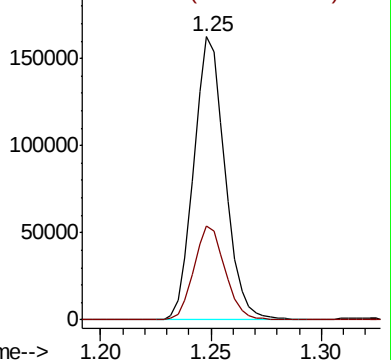
Ion Ratio Lower Upper

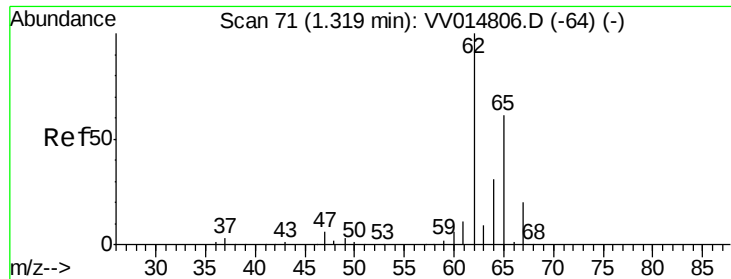
50 100

52 33.2 22.9 42.5



Abundance Ion 50.00 (49.70 to 50.70): VV014806.D (-41) (-)





#5

Vinyl chloride

Concen: 42.877 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

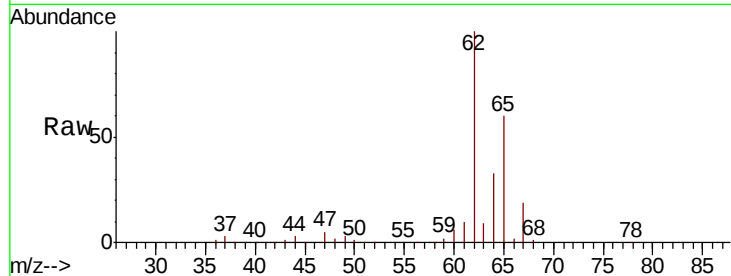
ClientSampleId :

Tot Ion: 62 Resp: 152792

Ion Ratio Lower Upper

62 100

64 32.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

150000

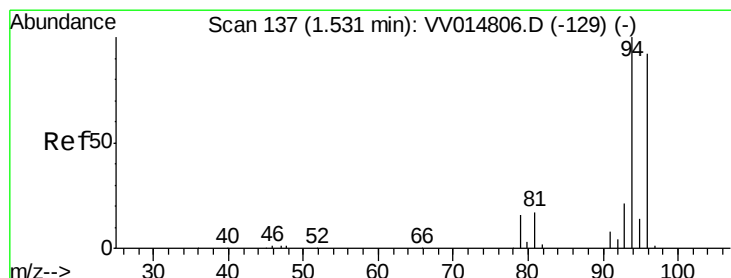
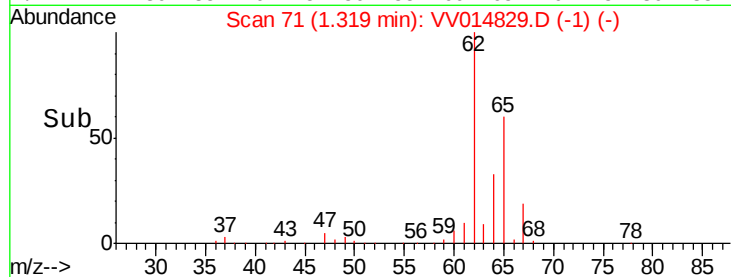
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 41.973 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV014829.D

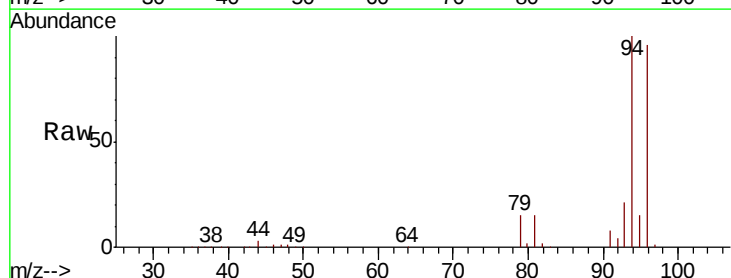
Acq: 11 Mar 2020 02:18

Tgt Ion: 94 Resp: 92830

Ion Ratio Lower Upper

94 100

96 96.4 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

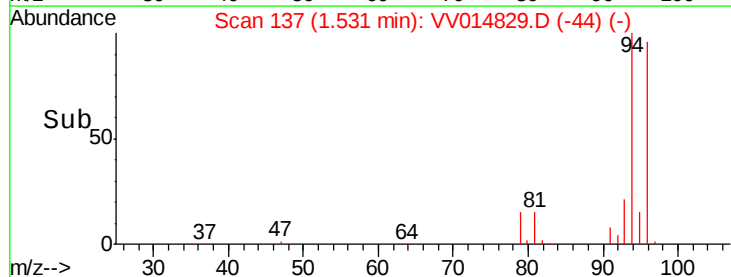
40000

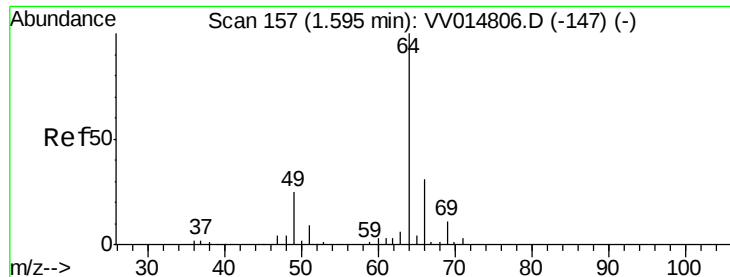
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 44.768 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

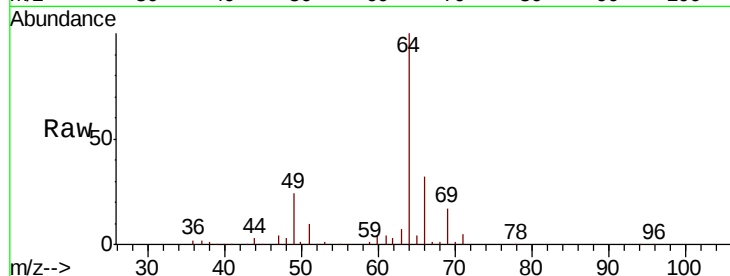
ClientSampleId :

Tot Ion: 64 Resp: 85753

Ion Ratio Lower Upper

64 100

66 32.5 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV014829.D (-157) (-)

Ion 66.00 (65.70 to 66.70): VV014829.D (-157) (-)

1.60

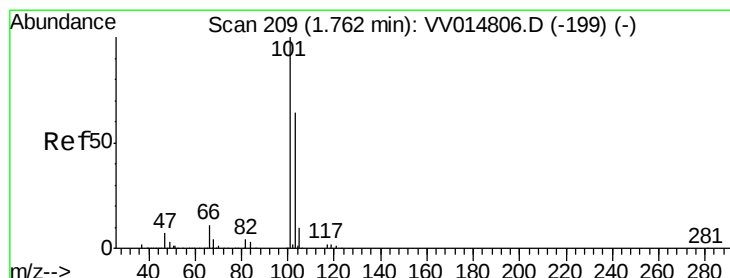
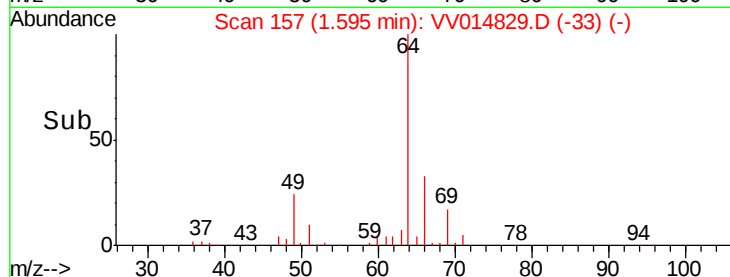
60000

40000

20000

0

Time-->



#9

Trichlorofluoromethane

Concen: 45.388 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV014829.D

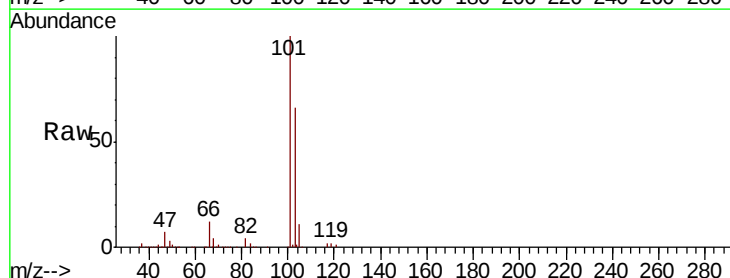
Acq: 11 Mar 2020 02:18

Tgt Ion: 101 Resp: 216268

Ion Ratio Lower Upper

101 100

103 65.1 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014829.D (-209) (-)

Ion 103.00 (102.70 to 103.70): VV014829.D (-209) (-)

1.76

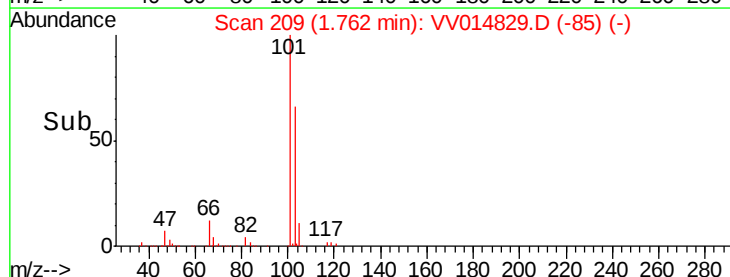
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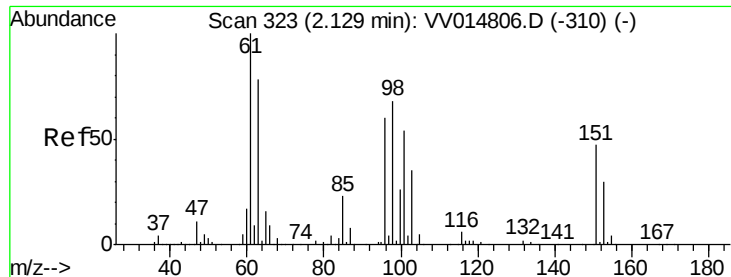
100000

50000

0

Time-->





#10

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

Concen: 42.973 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

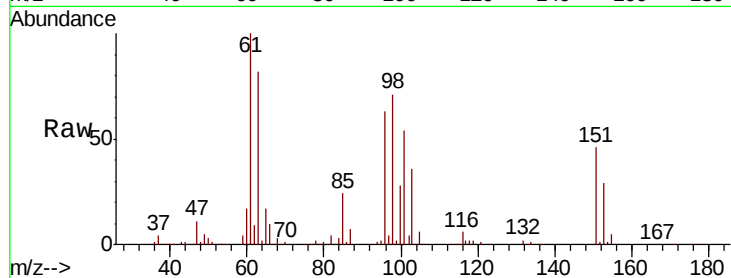
Tot Ion:101 Resp: 105412

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.6

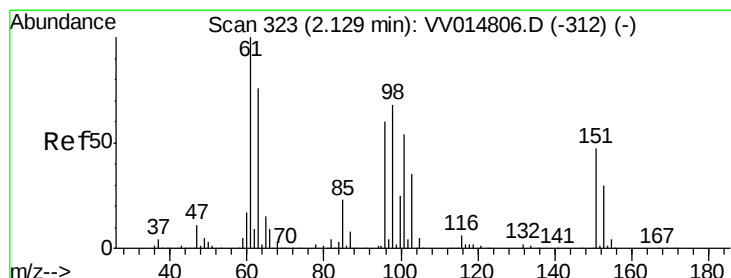
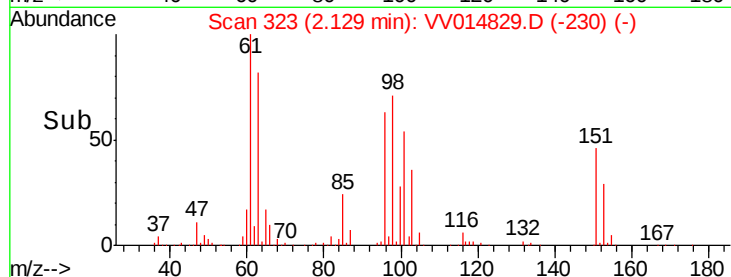
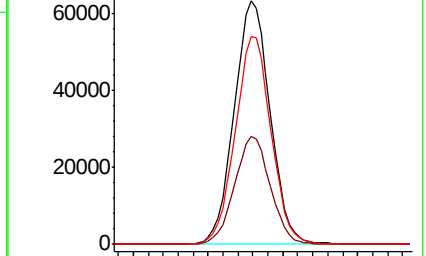
151 85.3 66.4 99.6



Abundance Ion 101.00 (100.70 to 101.70): VV014829.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV014829.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV014829.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 44.814 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

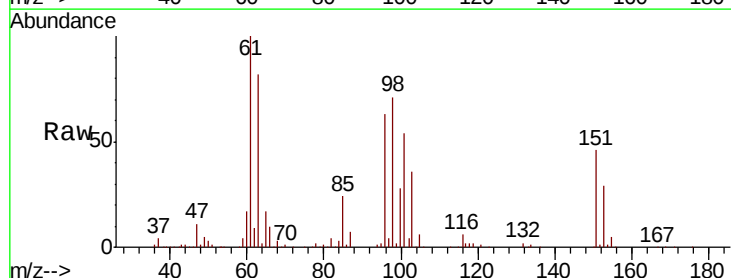
Tgt Ion: 96 Resp: 107544

Ion Ratio Lower Upper

96 100

61 159.3 118.4 220.0

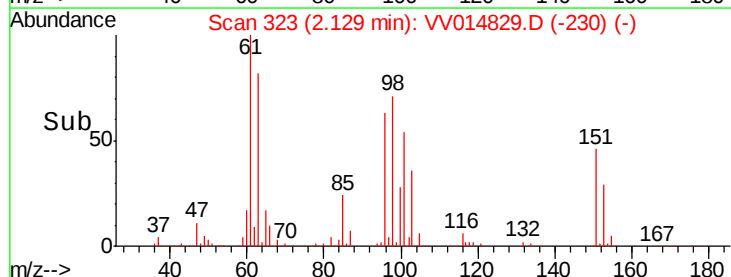
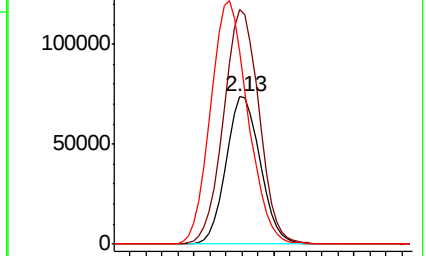
63 130.8 88.4 164.2

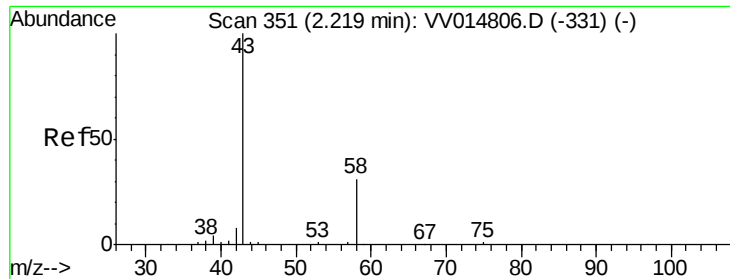


Abundance Ion 96.00 (95.70 to 96.70): VV014829.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV014829.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV014829.D (-230) (-)





#13

Acetone

Concen: 50.206 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.02 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

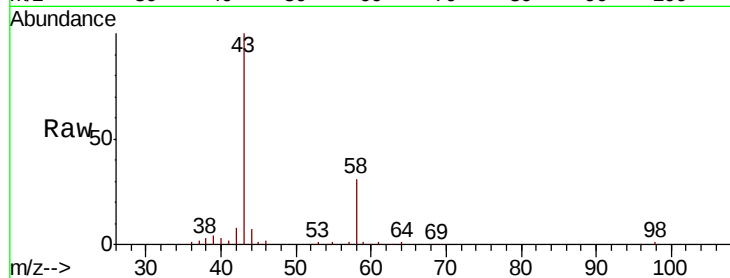
ClientSampled :

Tot Ion: 43 Resp: 93461

Ion Ratio Lower Upper

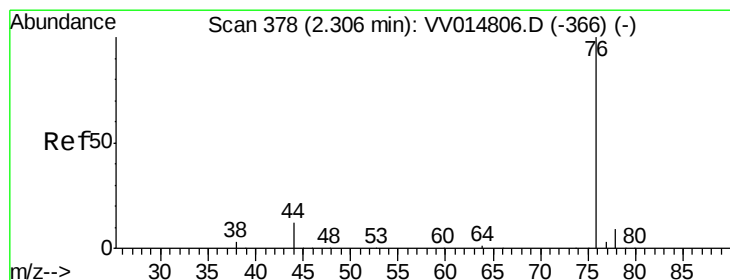
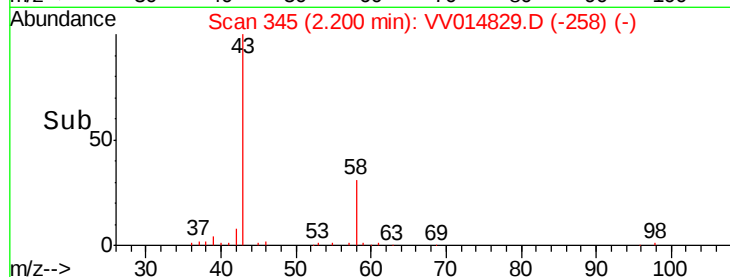
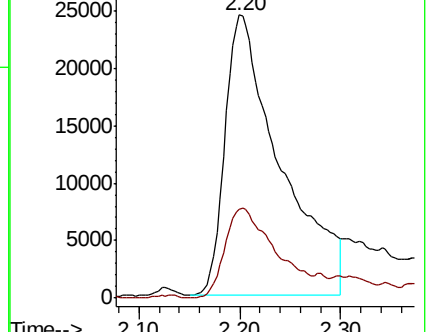
43 100

58 29.3 0.0 62.2



Abundance Ion 43.00 (42.70 to 43.70): VV014806.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV014806.D (-331) (-)



#14

Carbon disulfide

Concen: 41.249 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV014829.D

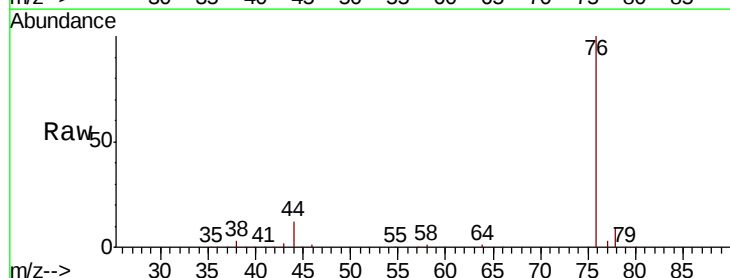
Acq: 11 Mar 2020 02:18

Tgt Ion: 76 Resp: 327273

Ion Ratio Lower Upper

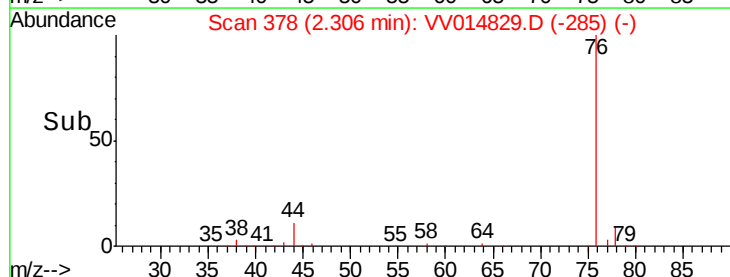
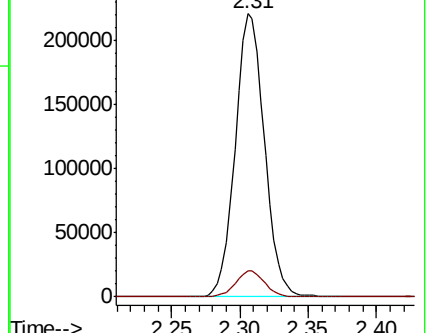
76 100

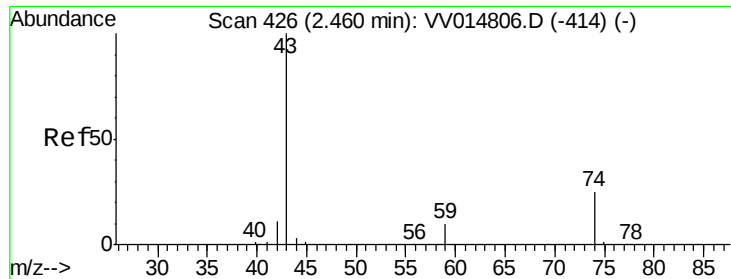
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV014806.D (-366) (-)

Ion 78.00 (77.70 to 78.70): VV014806.D (-366) (-)





#15

Methvl Acetate

Concen: 35.167 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

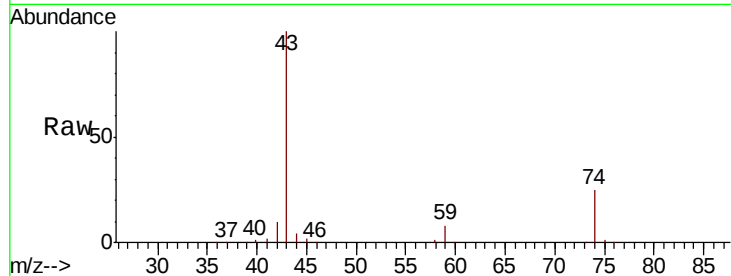
ClientSampleId :

Tot Ion: 43 Resp: 122992

Ion Ratio Lower Upper

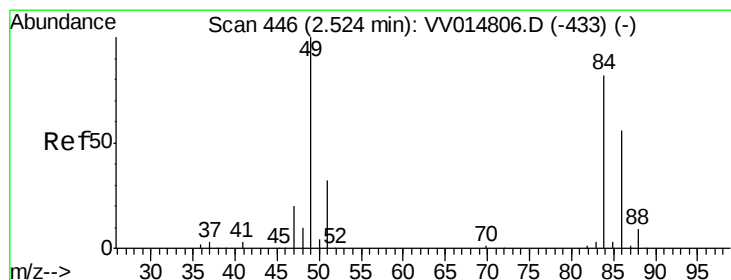
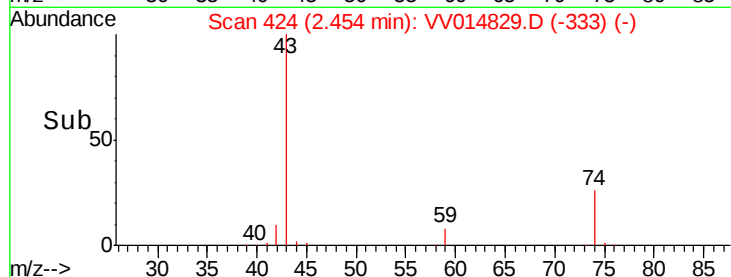
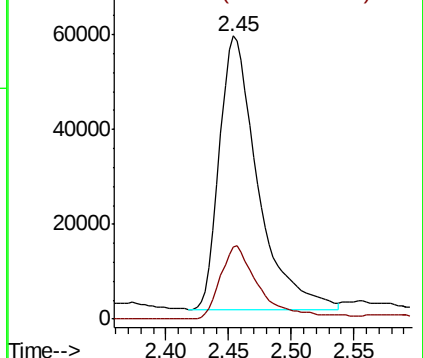
43 100

74 26.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 46.070 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

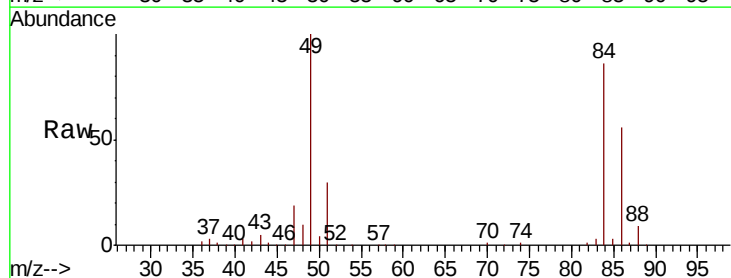
Tgt Ion: 84 Resp: 150151

Ion Ratio Lower Upper

84 100

86 65.6 47.3 87.9

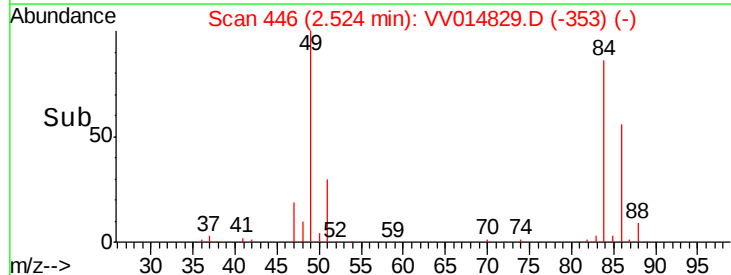
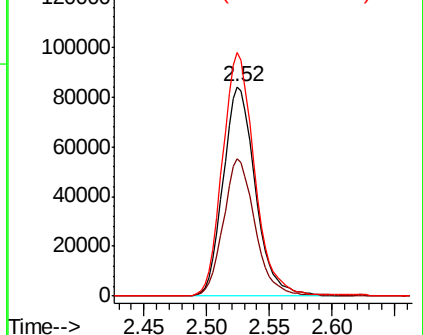
49 116.2 88.7 164.7

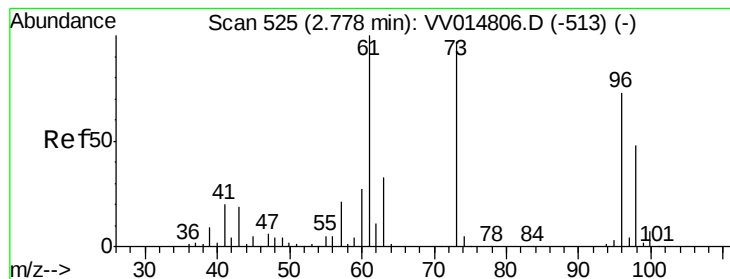


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 46.434 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :
MSVOA_V
ClientSampled :

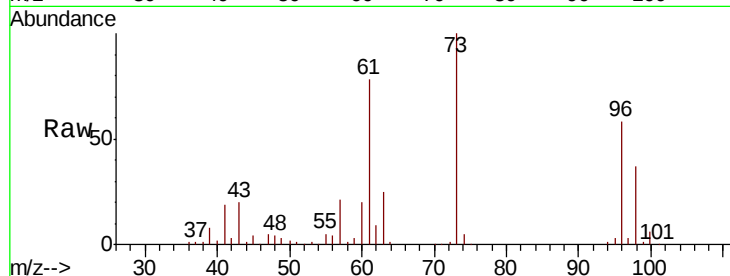
Tot Ion: 96 Resp: 137657

Ion Ratio Lower Upper

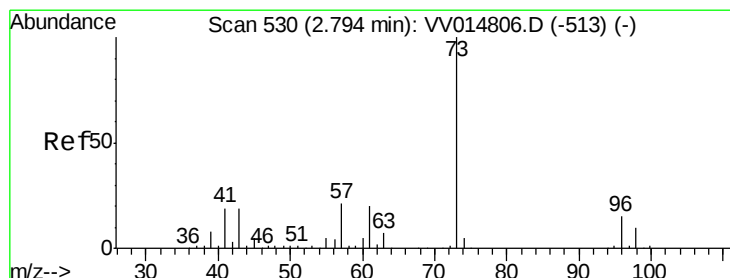
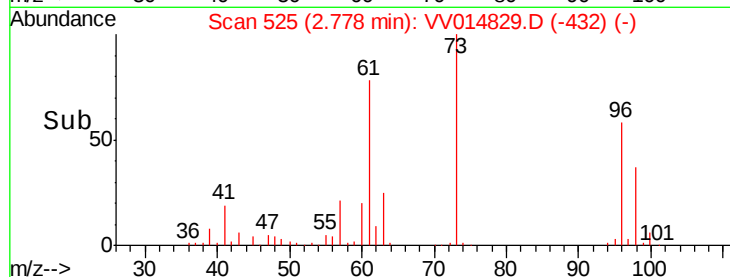
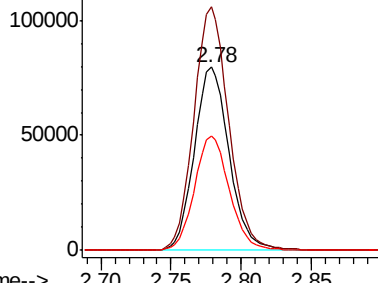
96 100

61 132.8 100.5 186.7

98 62.6 45.1 83.7



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: 45.944 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

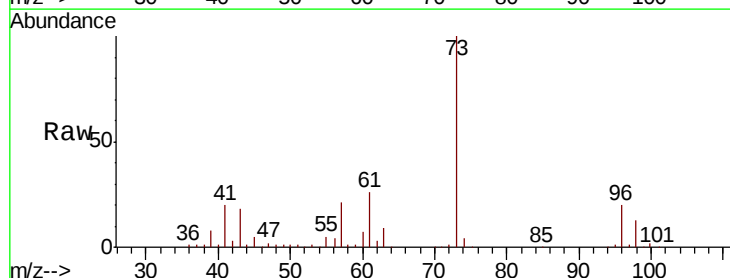
Tgt Ion: 73 Resp: 445927

Ion Ratio Lower Upper

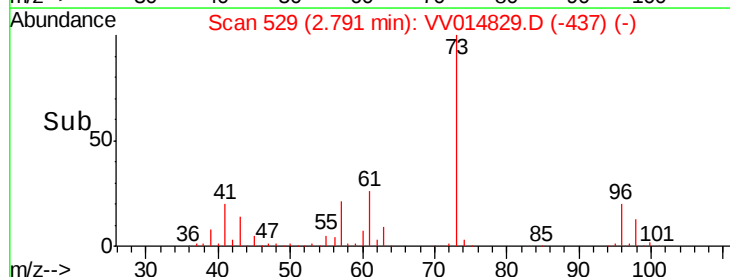
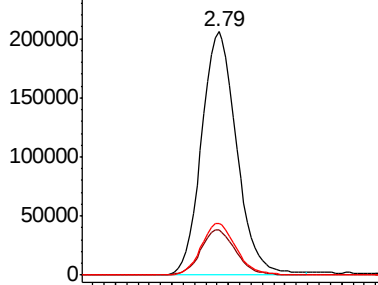
73 100

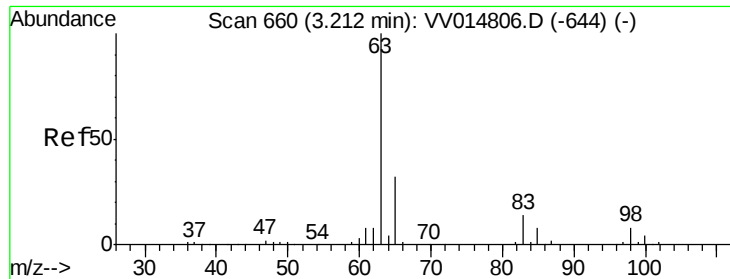
43 18.2 15.9 23.9

57 21.1 18.0 27.0



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: 43.863 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

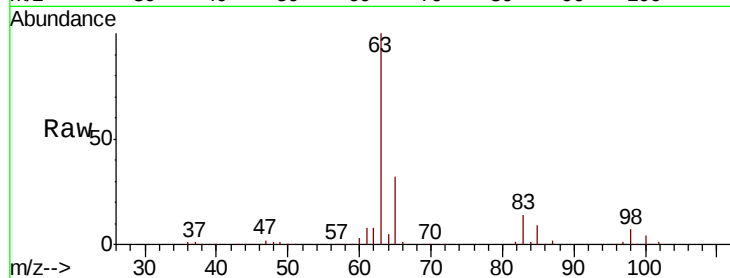
Tot Ion: 63 Resp: 253984

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

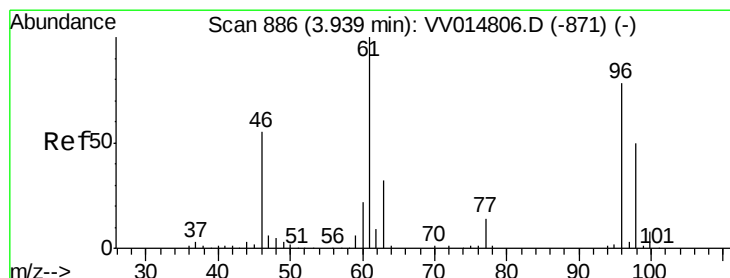
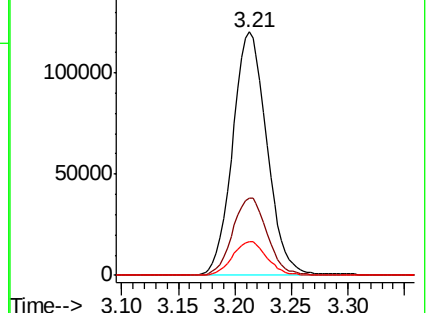
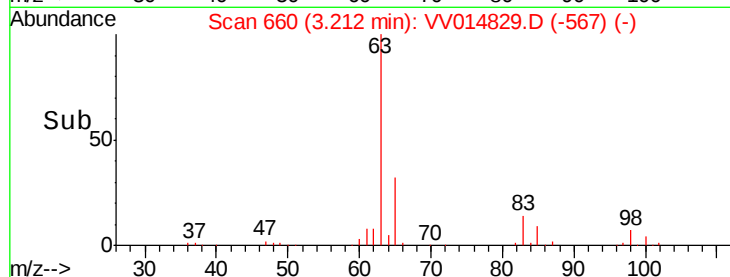
83 13.8 9.1 16.9



Abundance Ion 63.00 (62.70 to 63.70): VV014829.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV014829.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV014829.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 47.047 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

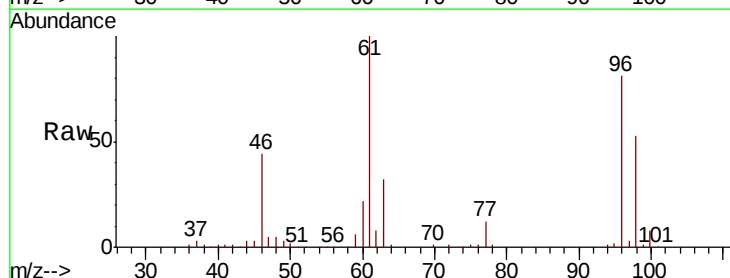
Tgt Ion: 96 Resp: 155994

Ion Ratio Lower Upper

96 100

61 124.0 92.2 171.2

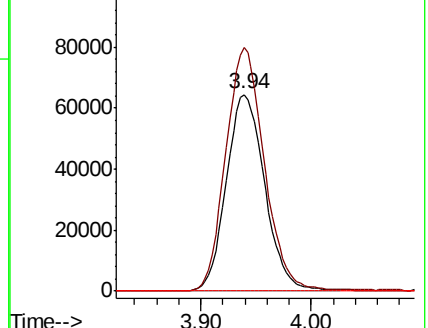
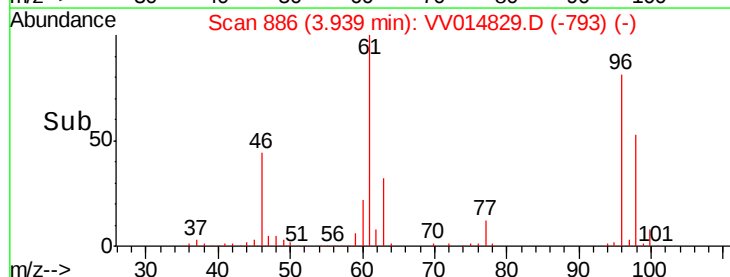
68 0.0 0.0 0.0

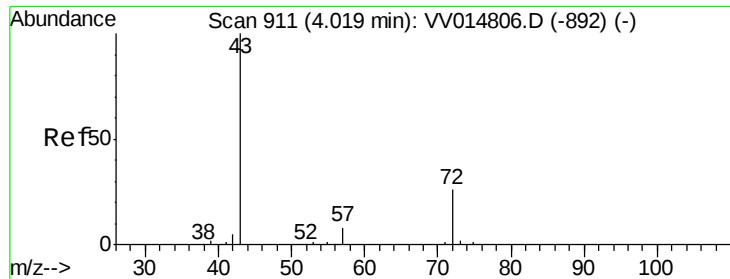


Abundance Ion 96.00 (95.70 to 96.70): VV014829.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV014829.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV014829.D (-793) (-)





#22

2-Butanone

Concen: 73.432 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

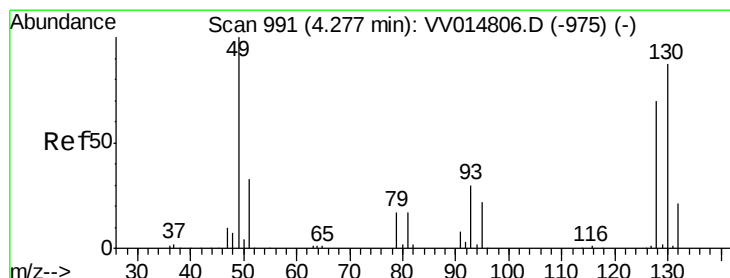
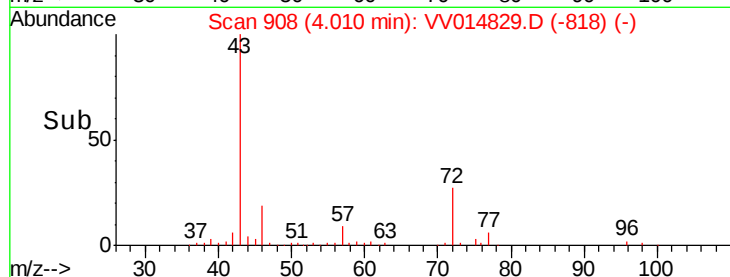
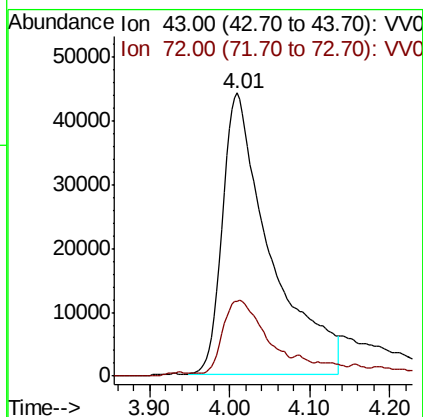
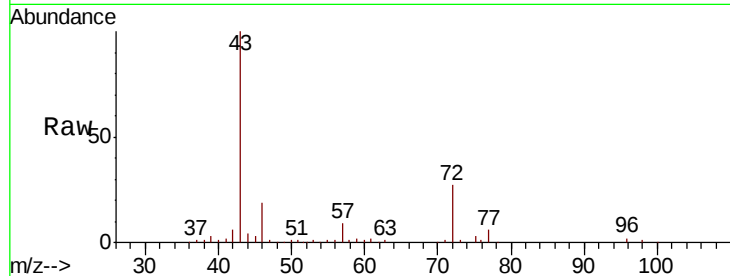
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 180327

Ion Ratio Lower Upper

43 100

72 22.8 12.0 36.0



#23

Bromochloromethane

Concen: 47.301 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Tgt Ion:128 Resp: 79845

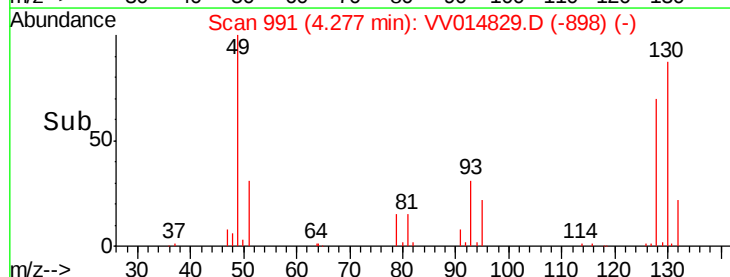
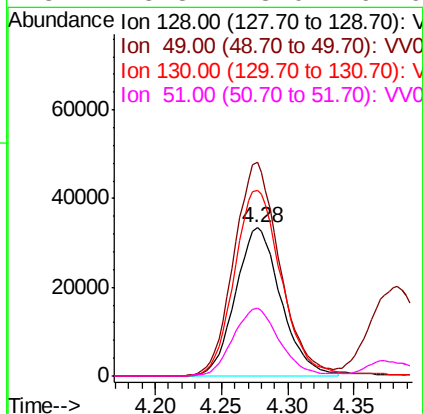
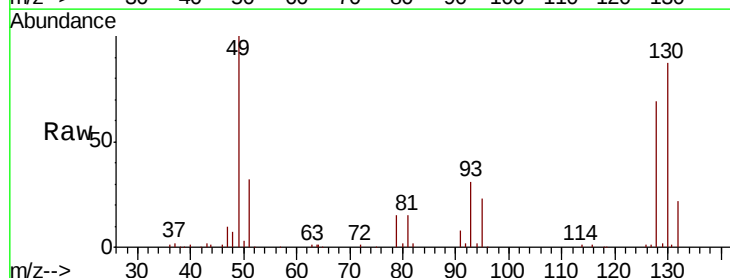
Ion Ratio Lower Upper

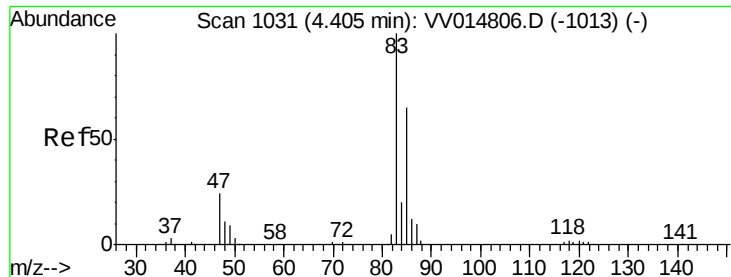
128 100

49 144.1 116.3 215.9

130 125.4 88.9 165.1

51 45.8 43.0 64.6





#25

Chloroform

Concen: 44.498 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

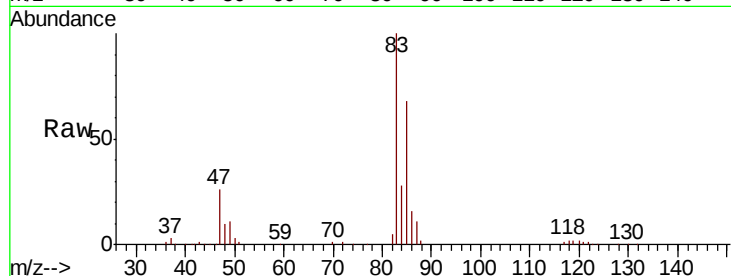
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 266931

Ion Ratio Lower Upper

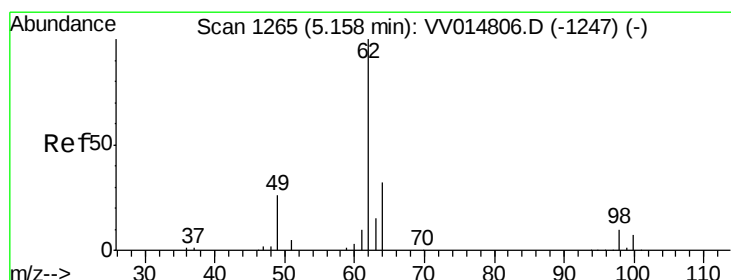
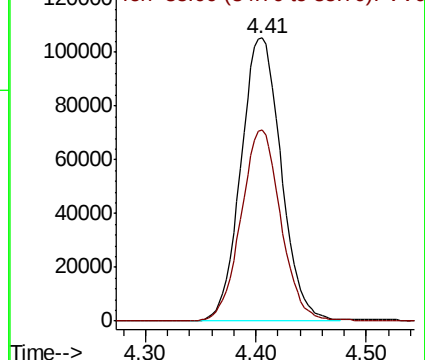
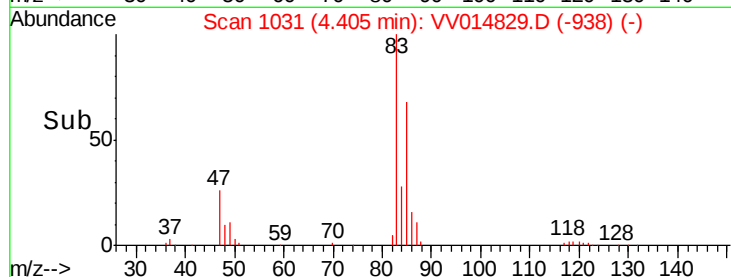
83 100

85 67.6 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VV014829.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV014829.D (-938) (-)



#27

1,2-Dichloroethane

Concen: 43.799 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV014829.D

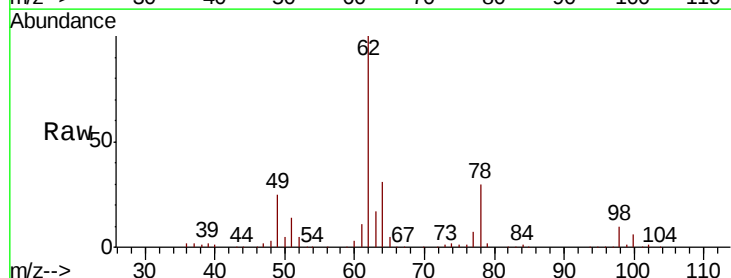
Acq: 11 Mar 2020 02:18

Tgt Ion: 62 Resp: 203632

Ion Ratio Lower Upper

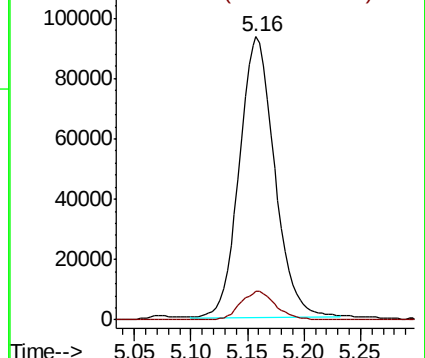
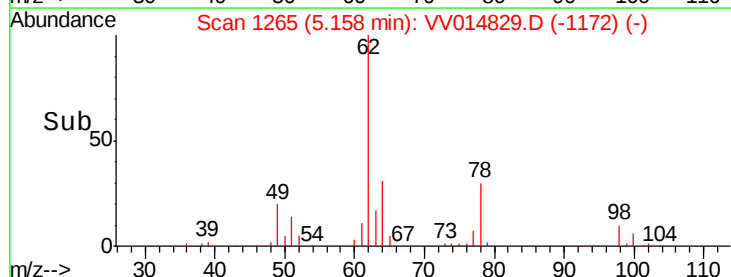
62 100

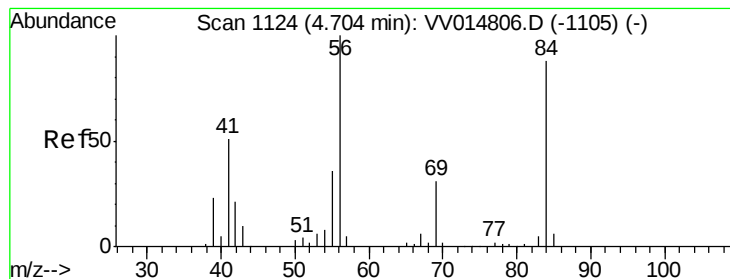
98 9.9 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VV014829.D (-1172) (-)

Ion 98.00 (97.70 to 98.70): VV014829.D (-1172) (-)





#29

Cyclohexane

Concen: 43.374 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :
MSVOA_V
ClientSampleId :

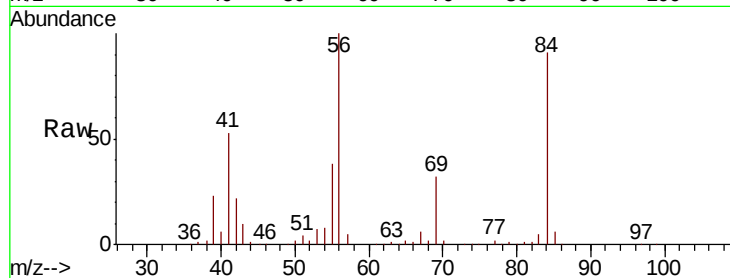
Tot Ion: 56 Resp: 227651

Ion Ratio Lower Upper

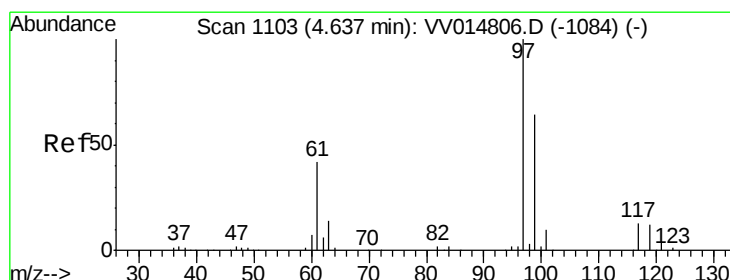
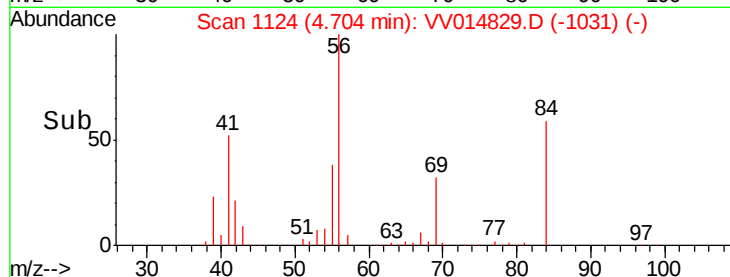
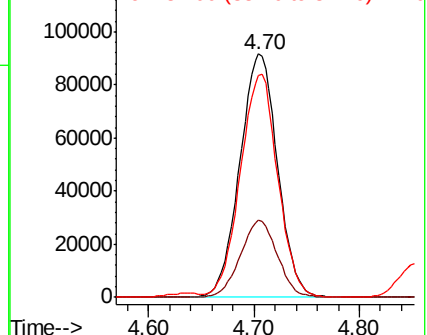
56 100

69 30.8 23.5 35.3

84 91.4 65.3 97.9



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: 47.381 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

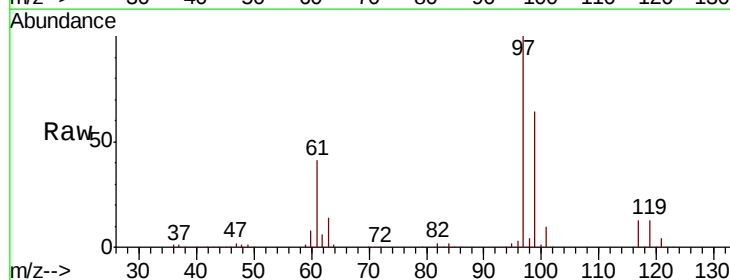
Tgt Ion: 97 Resp: 236634

Ion Ratio Lower Upper

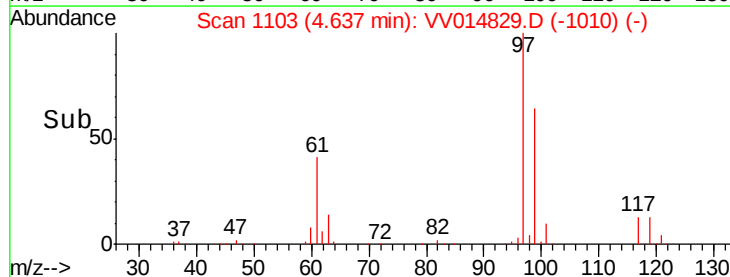
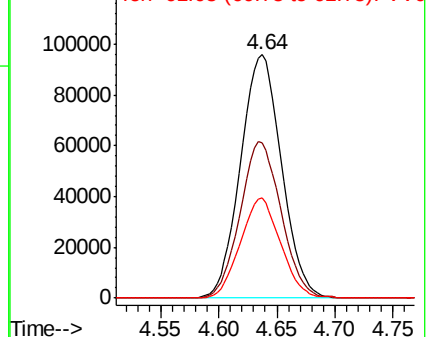
97 100

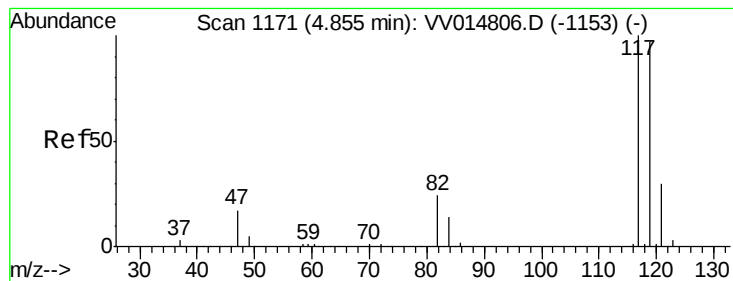
99 64.0 51.6 77.4

61 40.5 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: 48.757 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

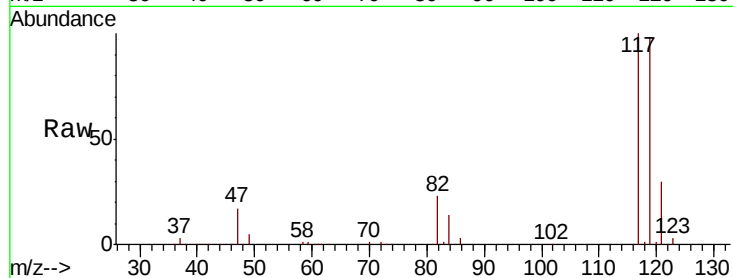
ClientSampleId :

Tot Ion:117 Resp: 206801

Ion Ratio Lower Upper

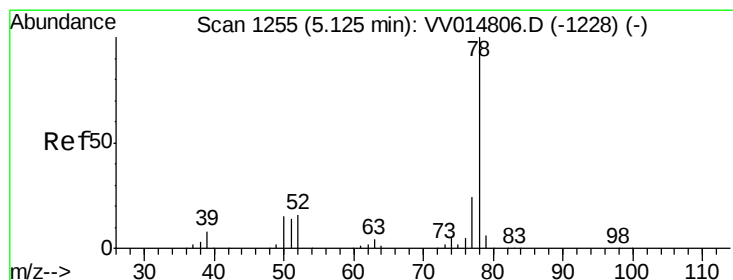
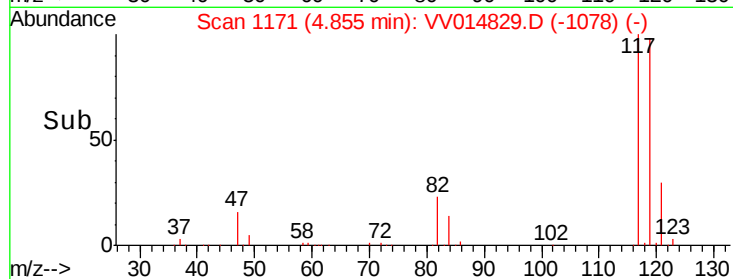
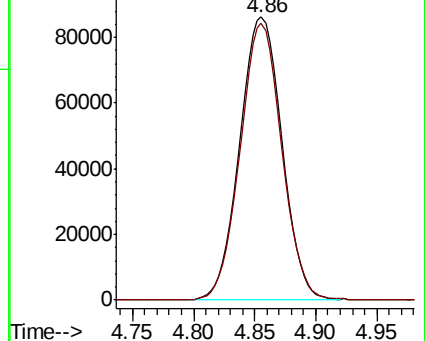
117 100

119 96.2 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 46.657 ug/L

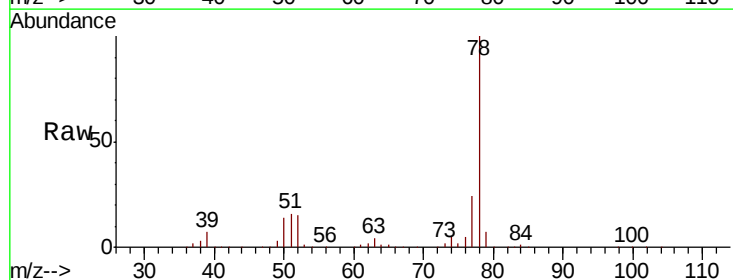
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

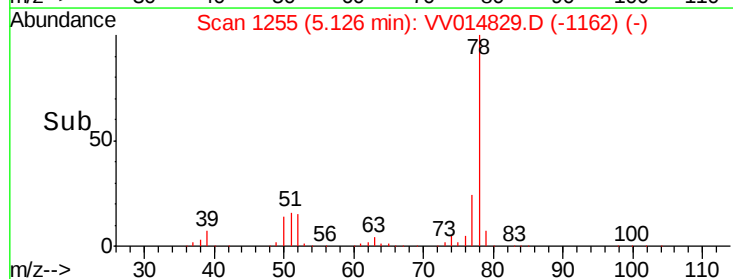
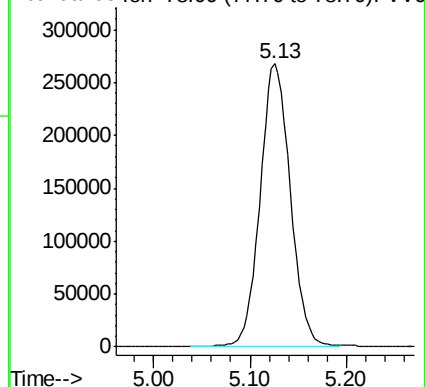
Lab File: VV014829.D

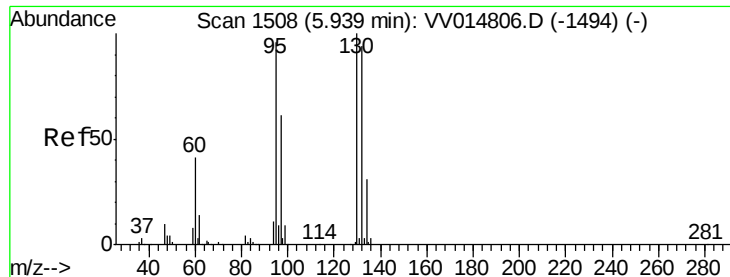
Acq: 11 Mar 2020 02:18

Tgt Ion: 78 Resp: 582249



Abundance Ion 78.00 (77.70 to 78.70): VV0

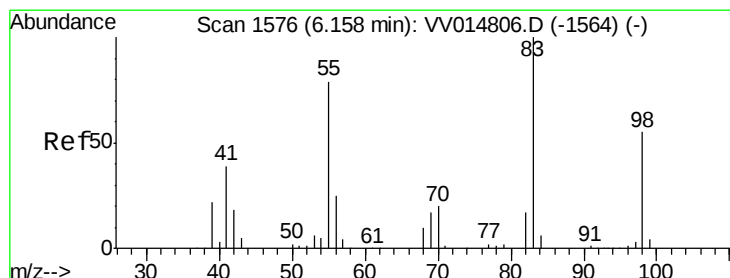
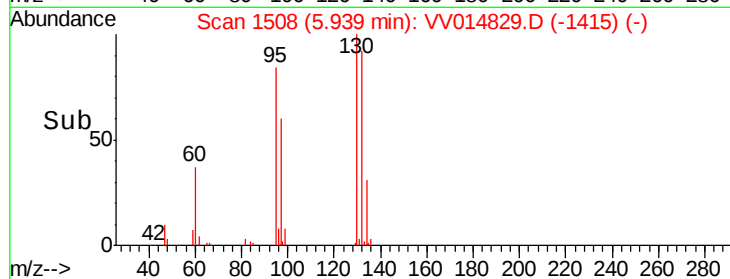
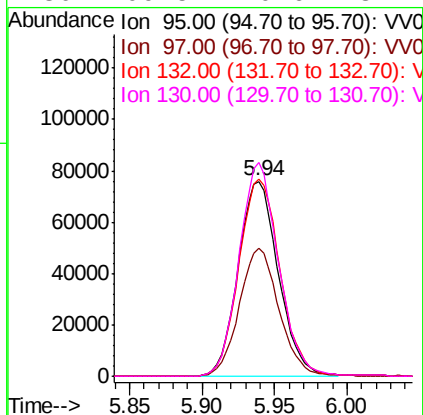
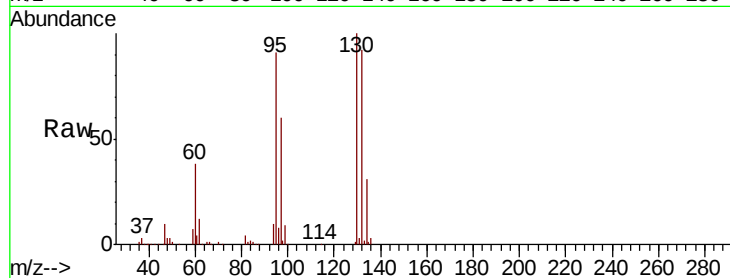




#34
 Trichloroethene
 Concen: 44.956 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

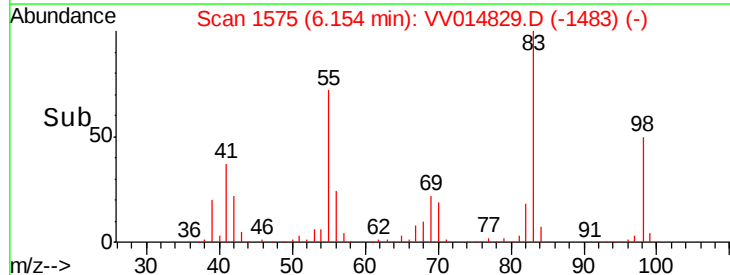
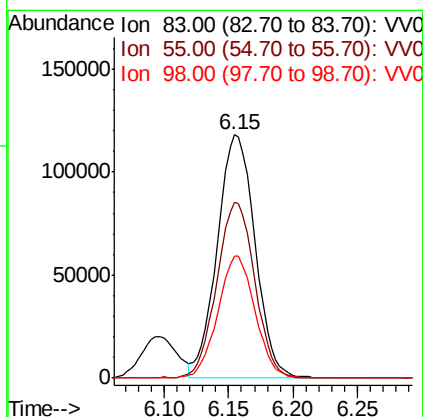
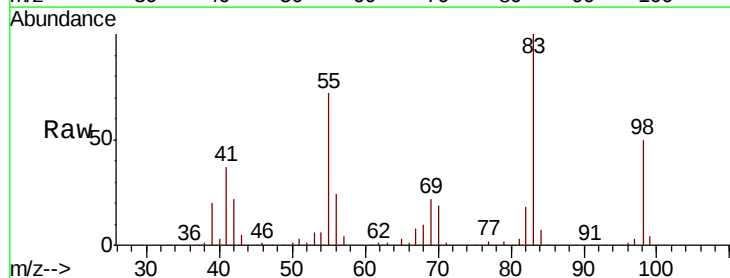
Instrument :
 MSVOA_V
 ClientSampleId :

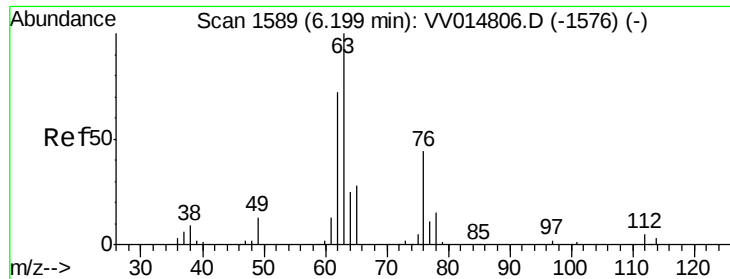
Tot Ion: 95 Resp: 146615
 Ion Ratio Lower Upper
 95 100
 97 65.4 43.8 81.4
 132 100.8 65.8 122.2
 130 109.5 70.6 131.2



#35
 Methylcyclohexane
 Concen: 44.725 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Tgt Ion: 83 Resp: 240779
 Ion Ratio Lower Upper
 83 100
 55 72.4 63.4 95.2
 98 49.0 36.8 55.2

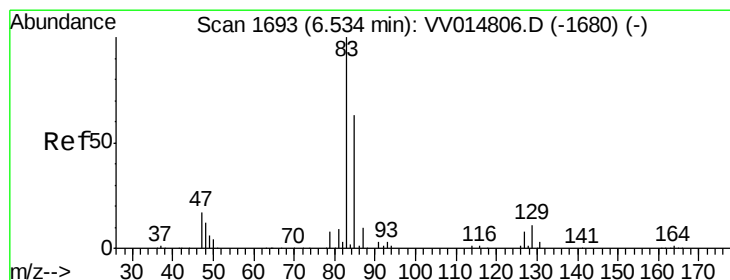
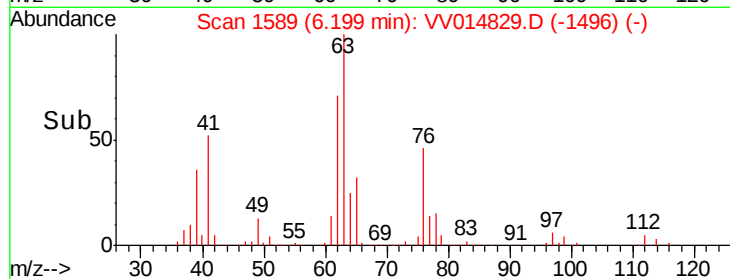
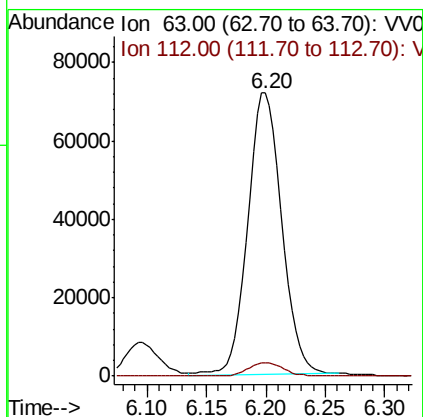
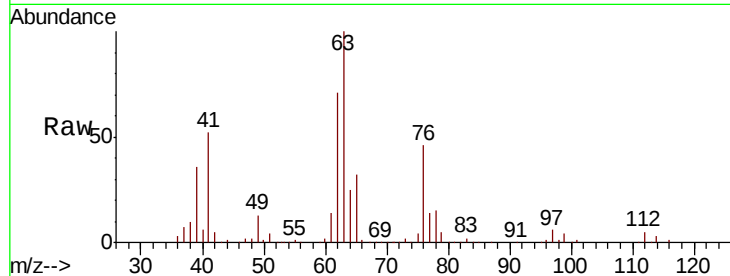




#37
 1,2-Dichloropropane
 Concen: 42.192 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

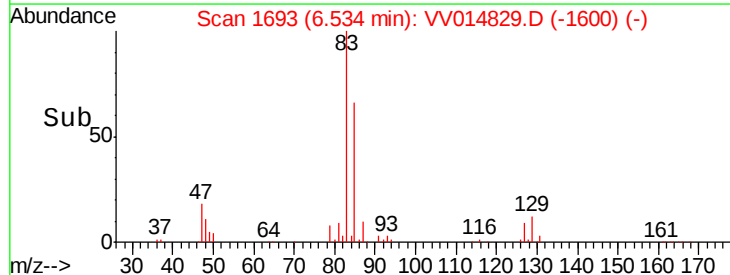
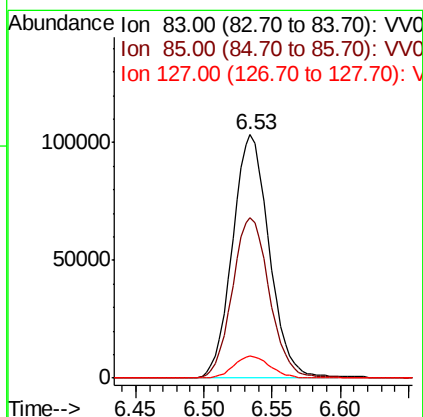
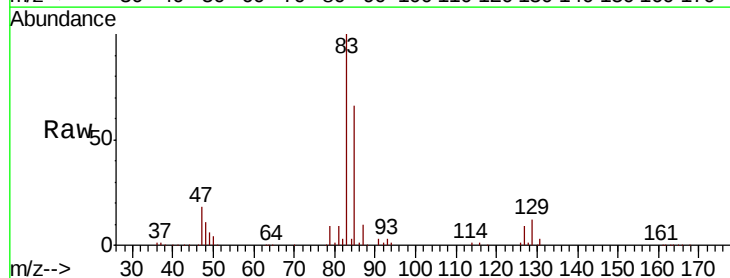
Instrument :
 MSVOA_V
 ClientSampled :

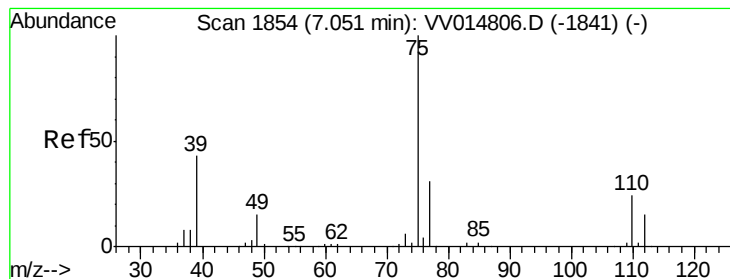
Tot Ion: 63 Resp: 142285
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.2 4.8#



#38
 Bromodichloromethane
 Concen: 45.170 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Tgt Ion: 83 Resp: 193772
 Ion Ratio Lower Upper
 83 100
 85 65.8 45.1 83.7
 127 9.0 6.7 10.1



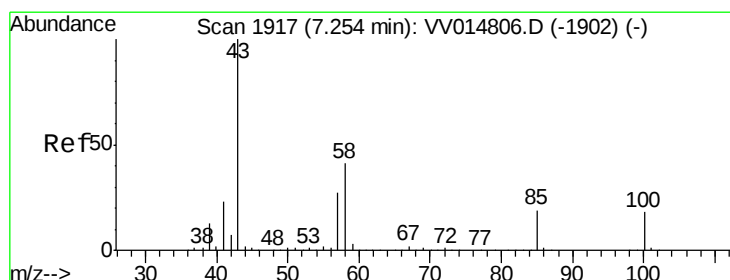
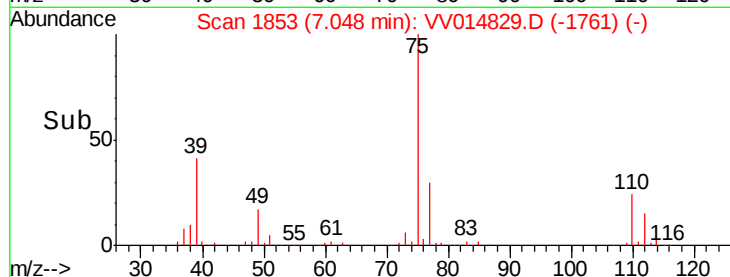
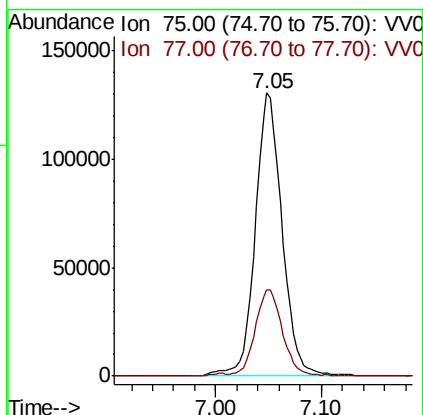
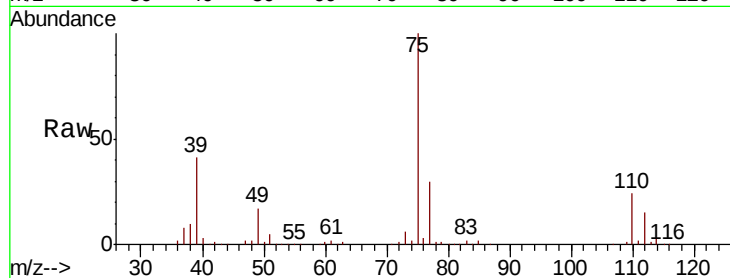


#39

cis-1,3-Dichloropropene
Concen: 43.930 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV014829.D
Acq: 11 Mar 2020 02:18

Instrument :
MSVOA_V
ClientSampled :

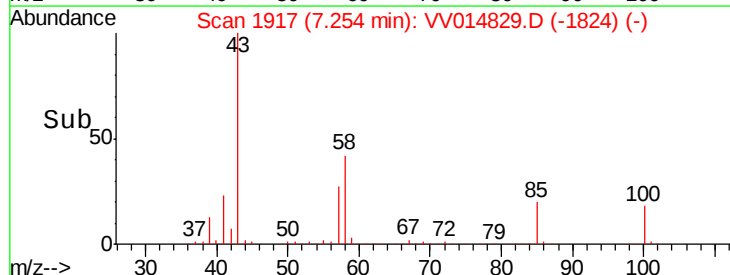
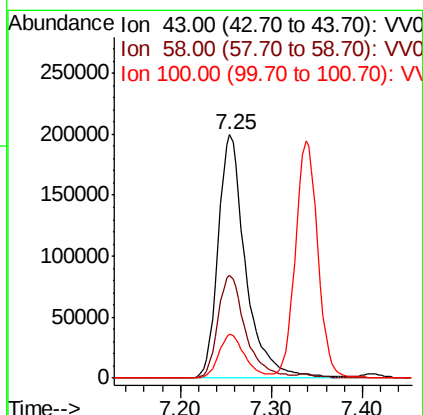
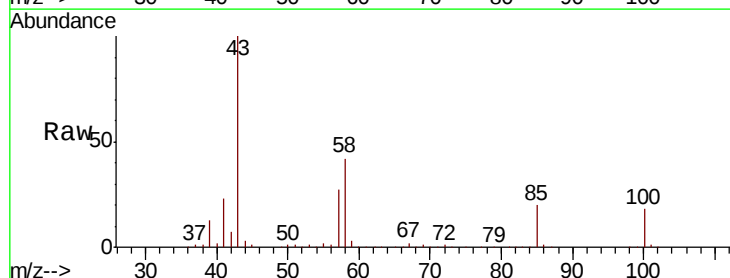
Tot Ion: 75 Resp: 232208
Ion Ratio Lower Upper
75 100
77 30.5 22.8 42.4

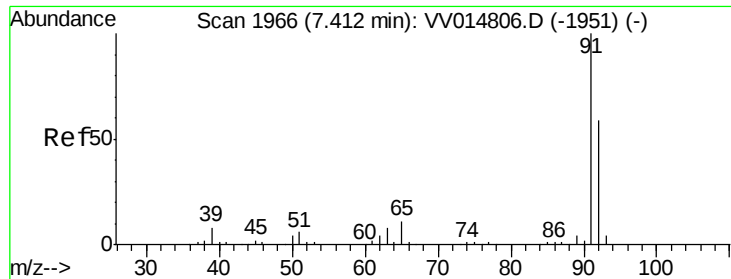


#40

4-Methyl-2-pentanone
Concen: 85.870 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV014829.D
Acq: 11 Mar 2020 02:18

Tgt Ion: 43 Resp: 419644
Ion Ratio Lower Upper
43 100
58 42.3 31.0 46.4
100 17.1 11.2 16.8#





#42

Toluene

Concen: 46.786 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

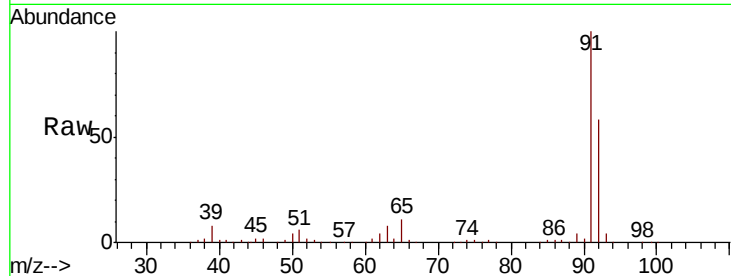
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 644131

Ion Ratio Lower Upper

91 100

92 57.9 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV014806.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV014829.D (-1873) (-)

7.41

400000

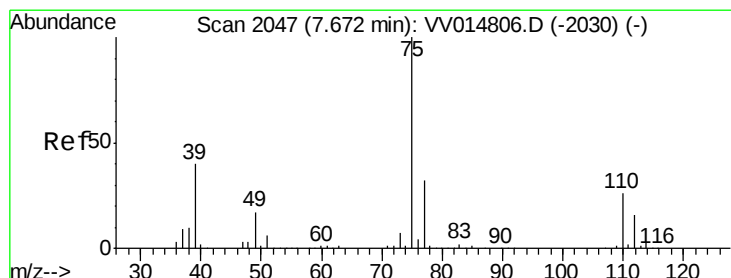
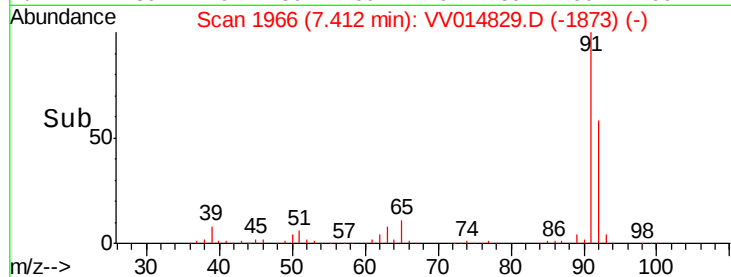
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 43.339 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV014829.D

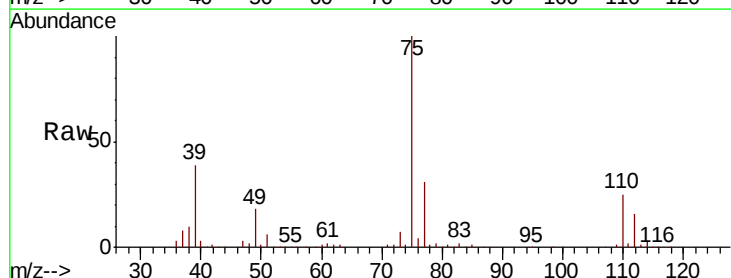
Acq: 11 Mar 2020 02:18

Tgt Ion: 75 Resp: 208833

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014806.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV014829.D (-1954) (-)

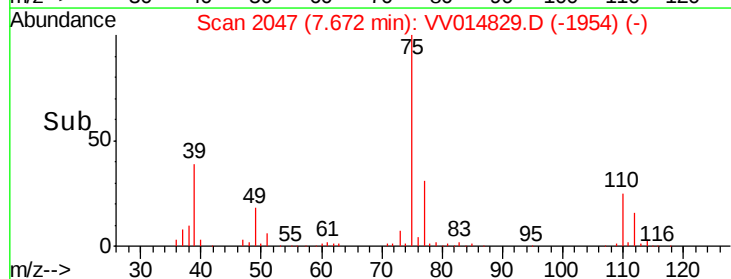
7.67

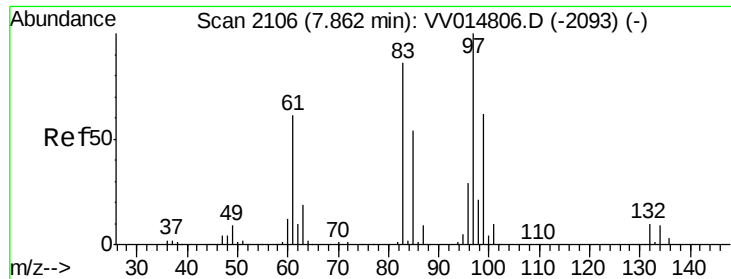
100000

50000

0

Time-->

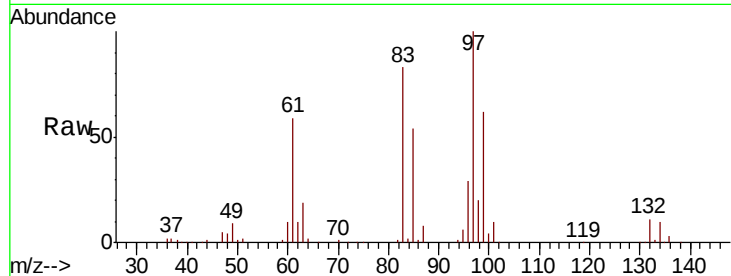




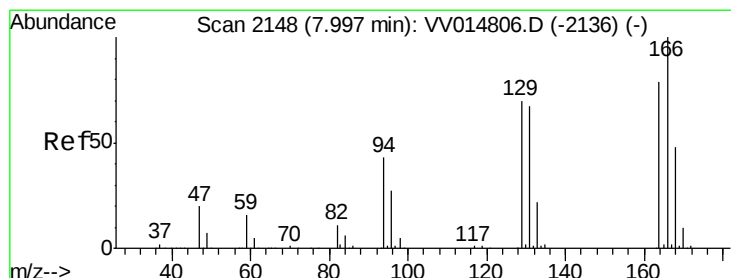
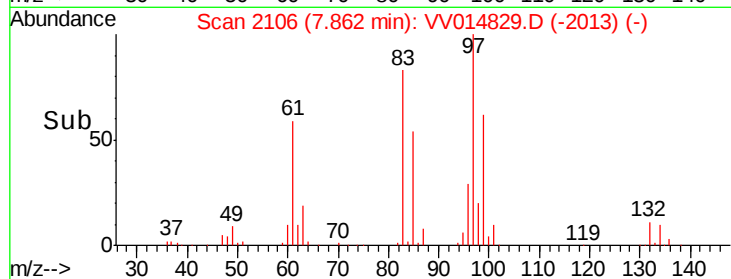
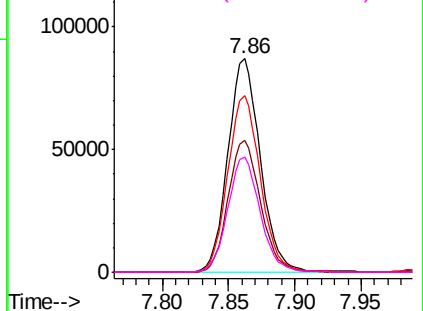
#45
 1,1,2-Trichloroethane
 Concen: 47.791 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Instrument :
 MSVOA_V
 ClientSampled :

Tot Ion:	97	Resp:	148432
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.1	80.1
83	82.7	62.4	115.8
85	53.9	40.1	74.5

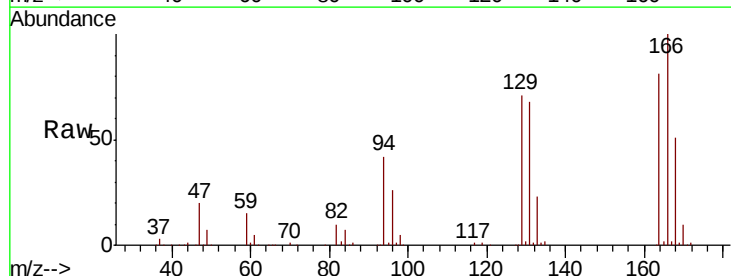


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0

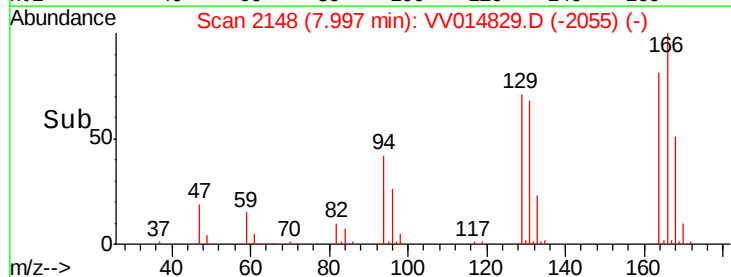
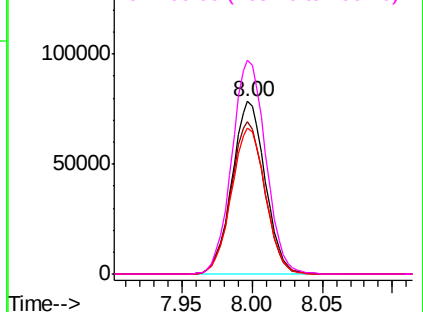


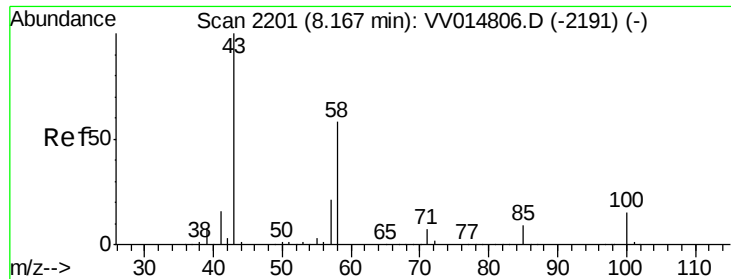
#46
 Tetrachloroethene
 Concen: 48.586 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Tgt Ion:	164	Resp:	129642
Ion	Ratio	Lower	Upper
164	100		
129	88.2	66.0	122.6
131	84.5	63.9	118.7
166	124.0	89.7	166.7



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

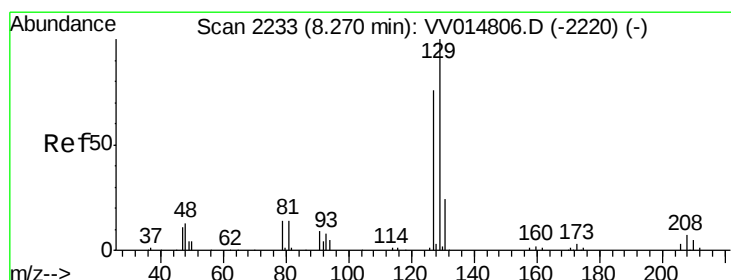
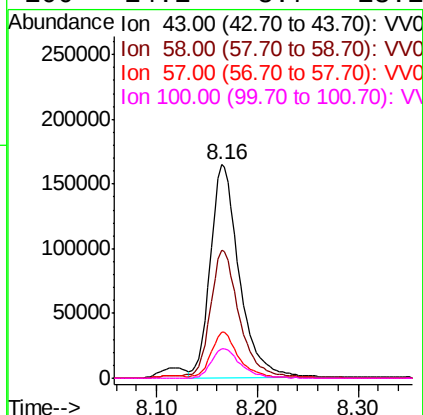
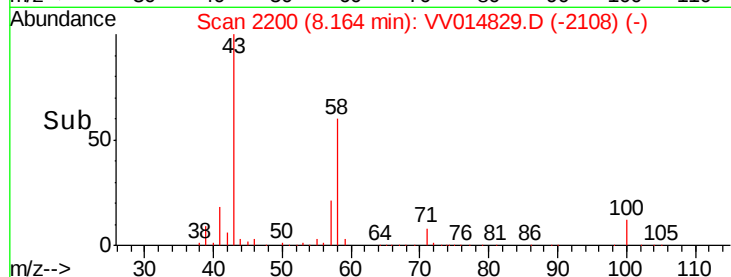
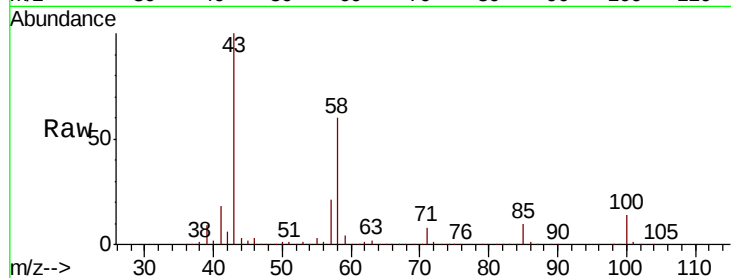




#48
2-Hexanone
Concen: 84.944 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.00 min
Lab File: VV014829.D
Acq: 11 Mar 2020 02:18

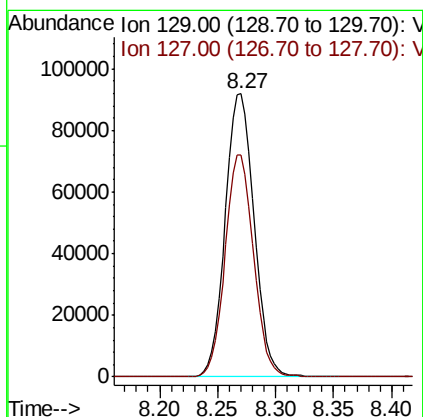
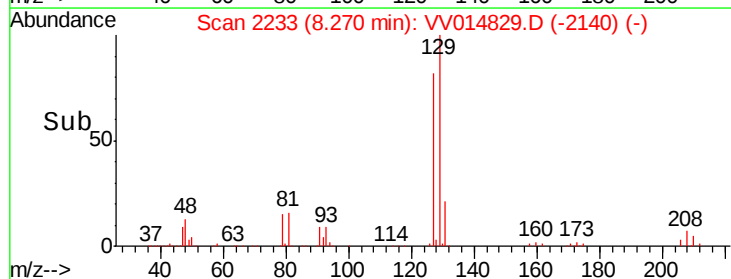
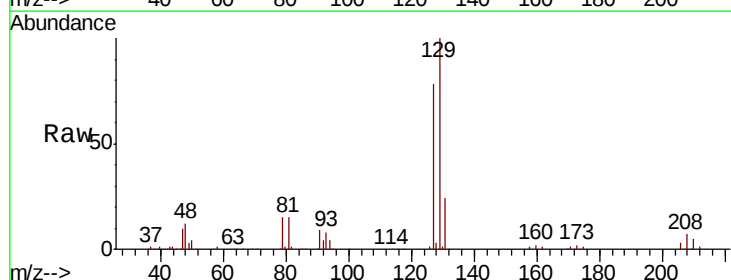
Instrument :
MSVOA_V
ClientSampled :

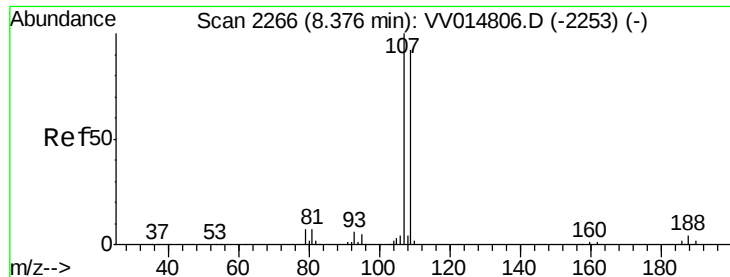
Tot Ion: 43 Resp: 326487
Ion Ratio Lower Upper
43 100
58 58.7 43.3 64.9
57 20.3 15.6 23.4
100 14.1 8.7 13.1#



#49
Dibromochloromethane
Concen: 46.992 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV014829.D
Acq: 11 Mar 2020 02:18

Tgt Ion: 129 Resp: 159076
Ion Ratio Lower Upper
129 100
127 78.2 53.9 100.1

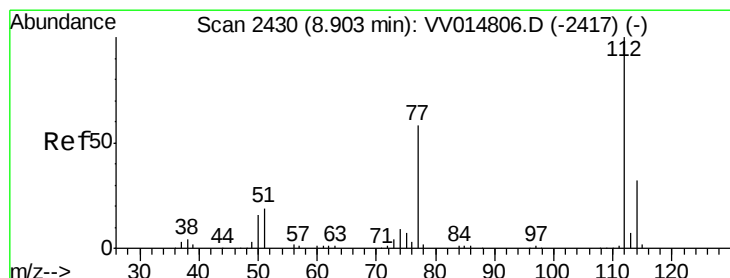
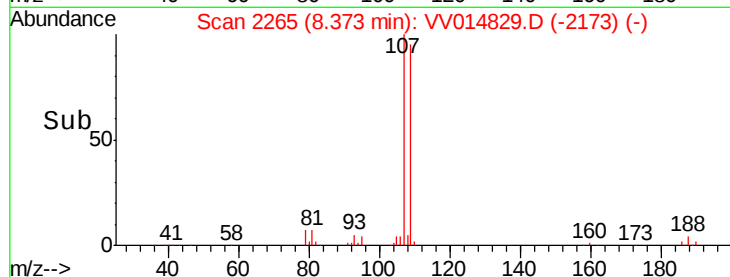
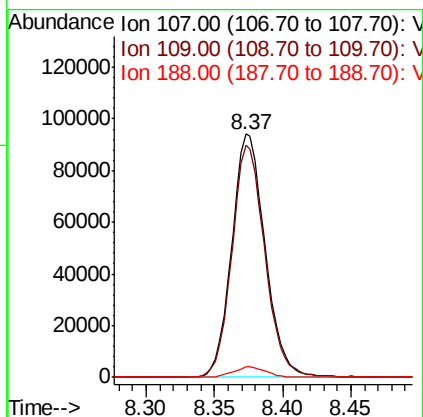
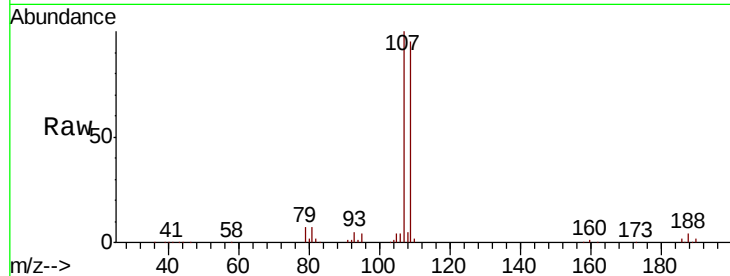




#50
 1,2-Dibromoethane
 Concen: 47.596 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

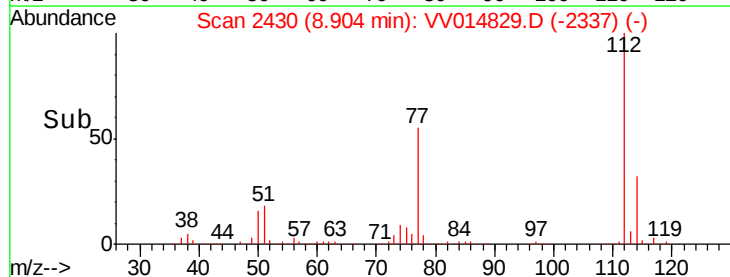
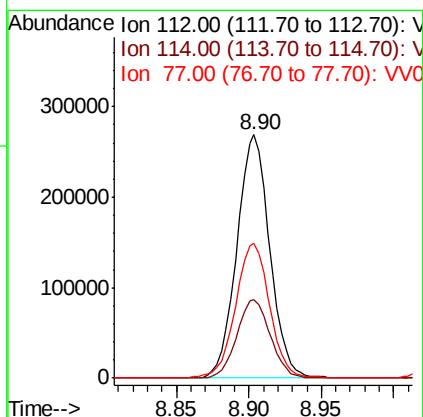
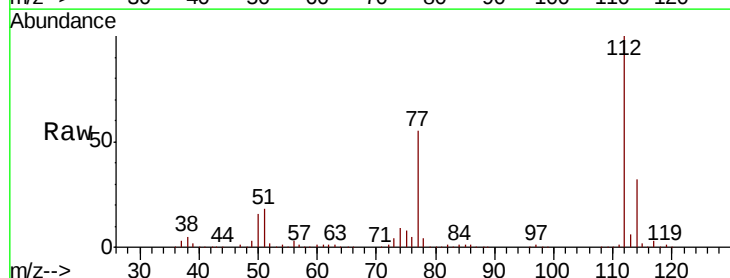
Instrument :
 MSVOA_V
 ClientSampleId :

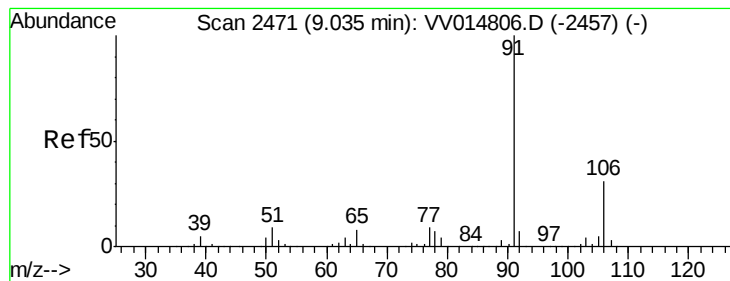
Tot Ion:107 Resp: 159790
 Ion Ratio Lower Upper
 107 100
 109 95.3 66.6 123.6
 188 4.2 3.0 4.6



#51
 Chlorobenzene
 Concen: 47.804 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Tgt Ion:112 Resp: 423461
 Ion Ratio Lower Upper
 112 100
 114 32.3 22.1 41.1
 77 55.3 47.8 71.8





#52

Ethylbenzene

Concen: 46.943 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

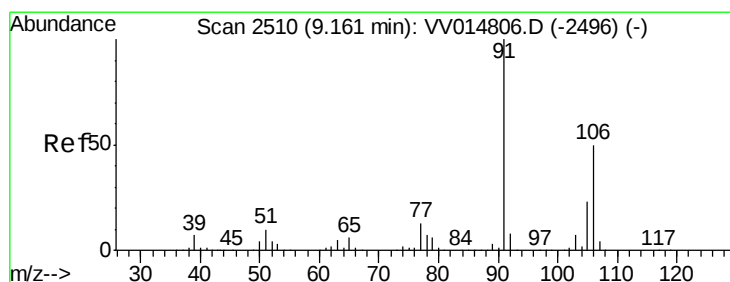
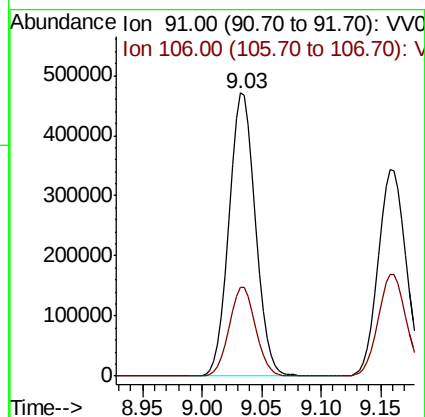
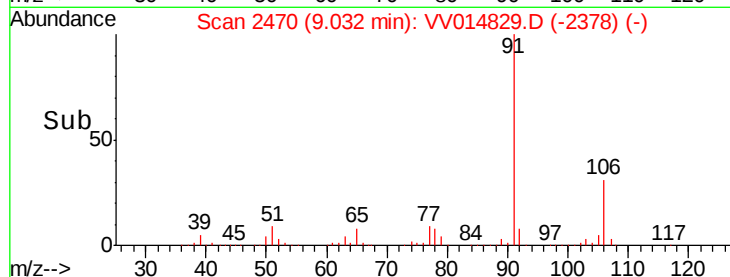
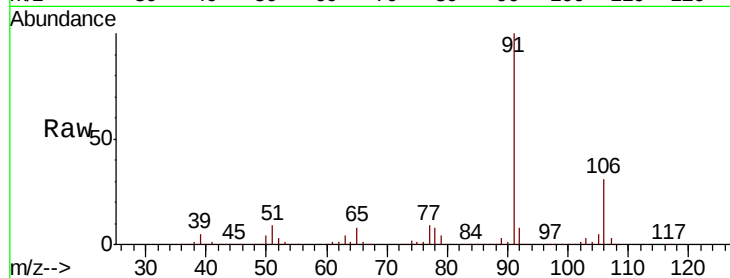
ClientSampleId :

Tot Ion: 91 Resp: 728113

Ion Ratio Lower Upper

91 100

106 31.2 21.3 39.6



#53

m,p-Xylene

Concen: 48.133 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV014829.D

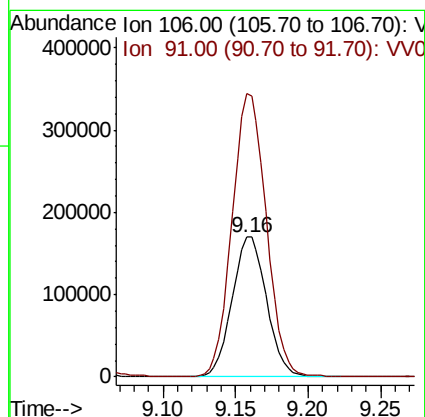
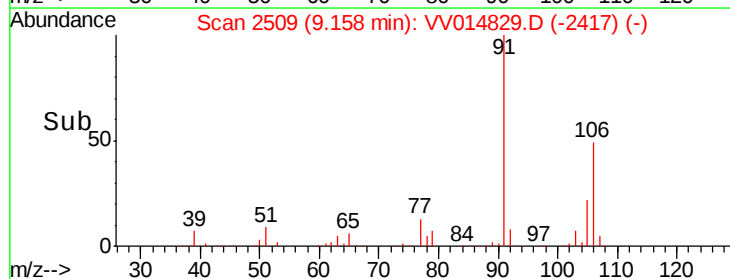
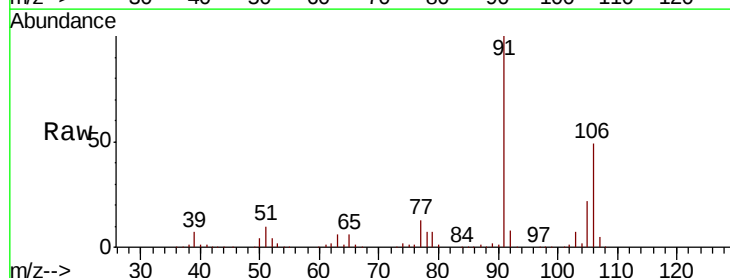
Acq: 11 Mar 2020 02:18

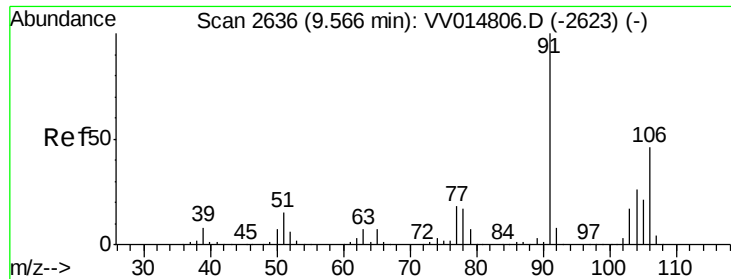
Tgt Ion: 106 Resp: 280172

Ion Ratio Lower Upper

106 100

91 202.3 145.1 269.5





#54

o-xylene

Concen: 49.230 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

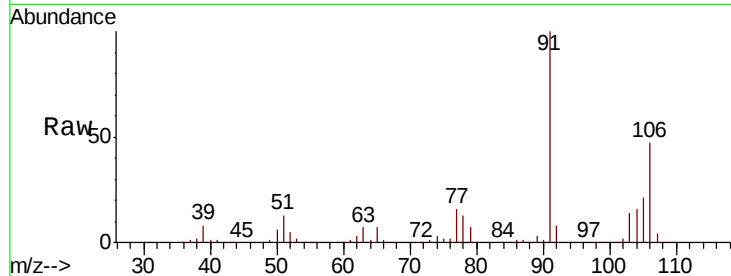
ClientSampled :

Tot Ion:106 Resp: 281489

Ion Ratio Lower Upper

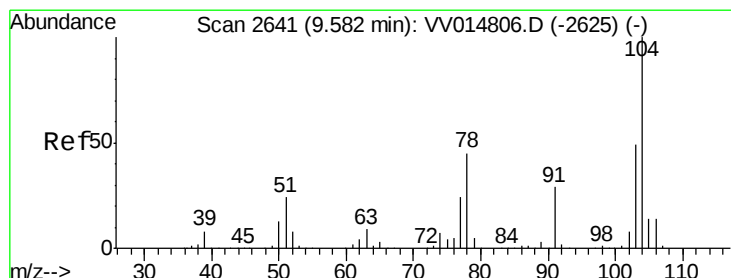
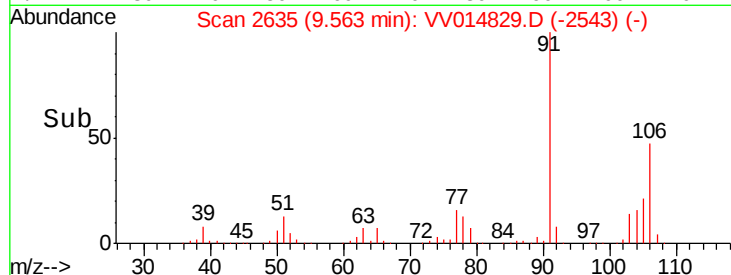
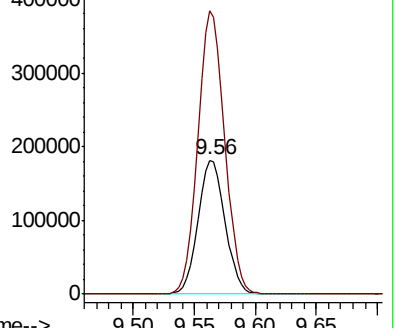
106 100

91 210.8 152.5 283.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.020 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV014829.D

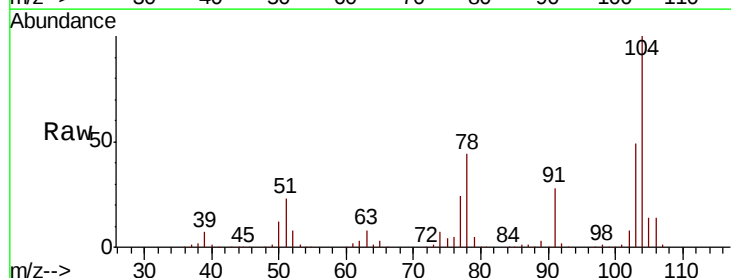
Acq: 11 Mar 2020 02:18

Tgt Ion:104 Resp: 479290

Ion Ratio Lower Upper

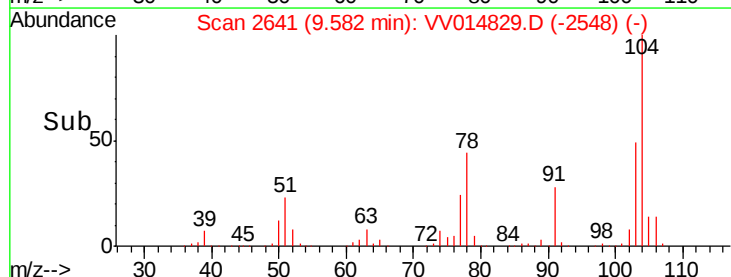
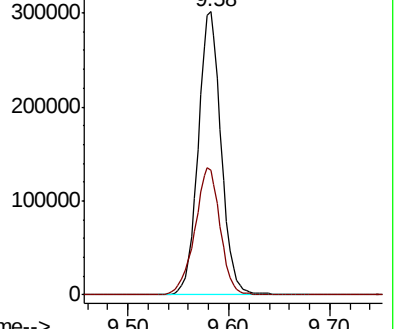
104 100

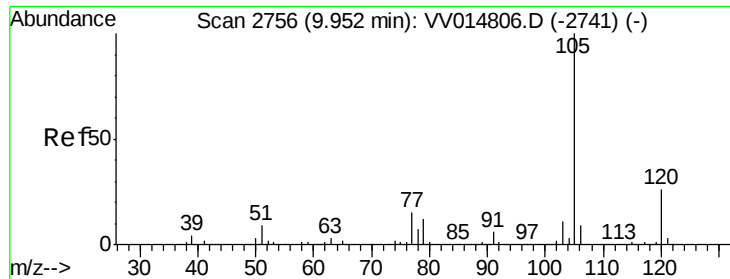
78 43.9 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 47.381 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampled :

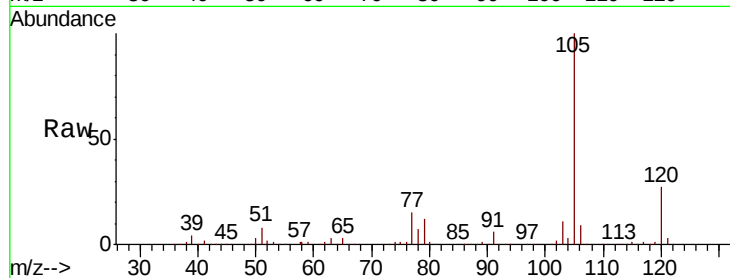
Tot Ion:105 Resp: 725588

Ion Ratio Lower Upper

105 100

120 26.9 20.6 31.0

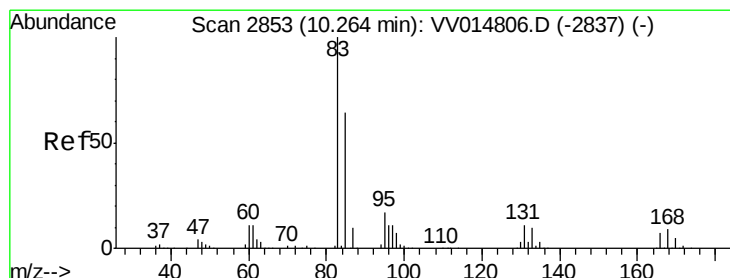
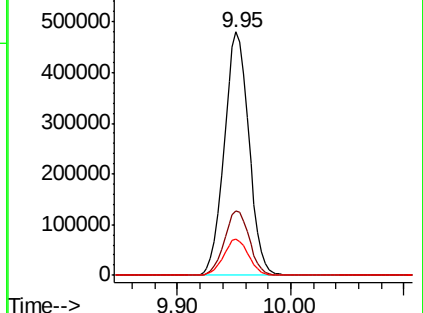
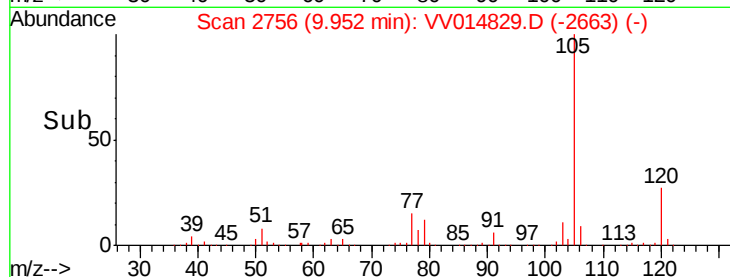
77 15.2 12.7 19.1



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: 45.599 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

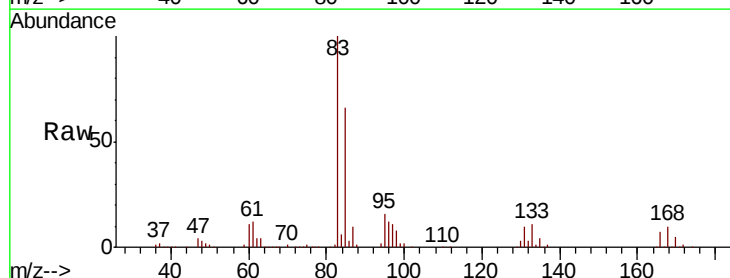
Tgt Ion: 83 Resp: 243936

Ion Ratio Lower Upper

83 100

85 65.8 44.4 82.5

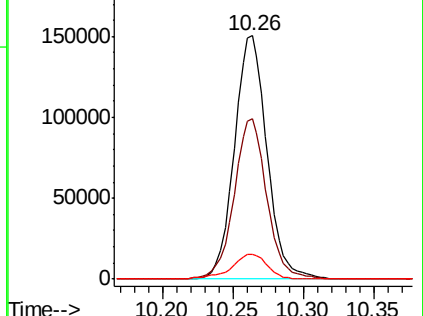
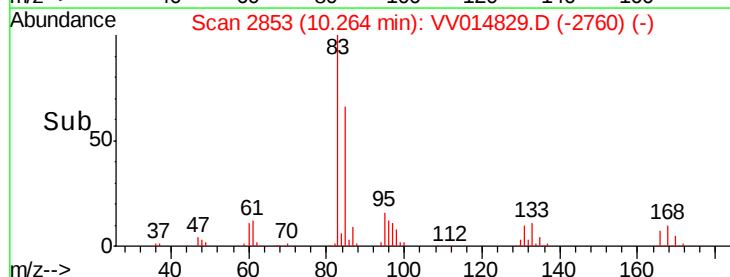
131 10.1 7.8 11.8

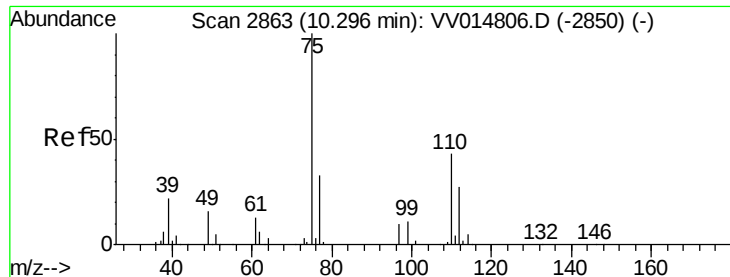


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.015 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

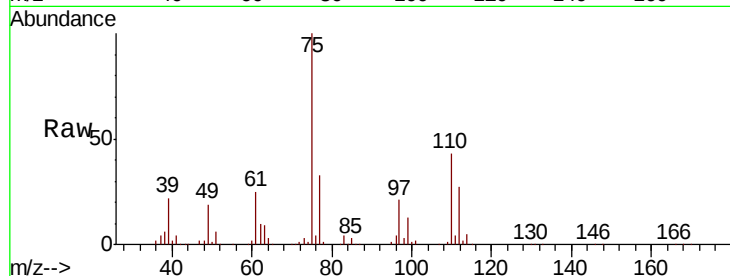
ClientSampleId :

Tot Ion: 75 Resp: 193869

Ion Ratio Lower Upper

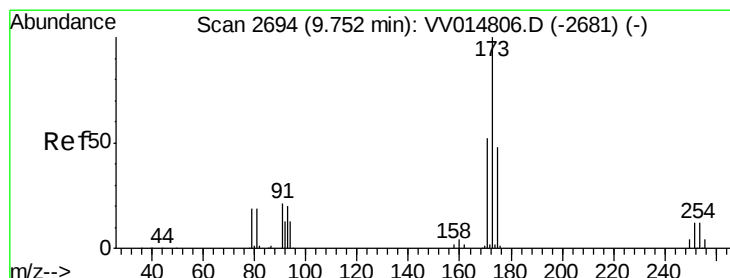
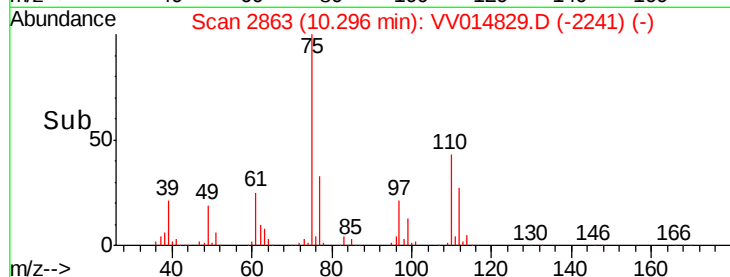
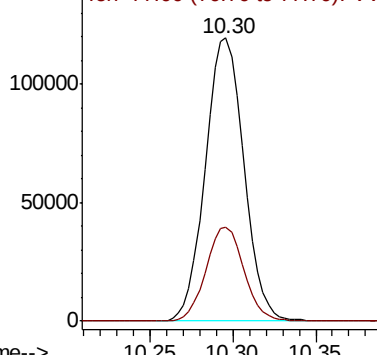
75 100

77 32.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 45.515 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

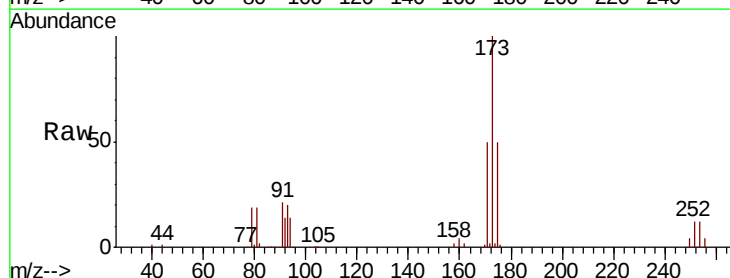
Tgt Ion: 173 Resp: 110563

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

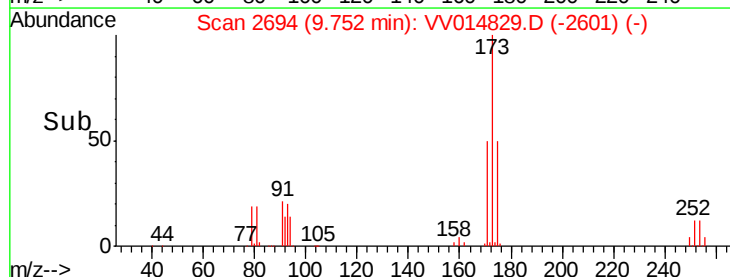
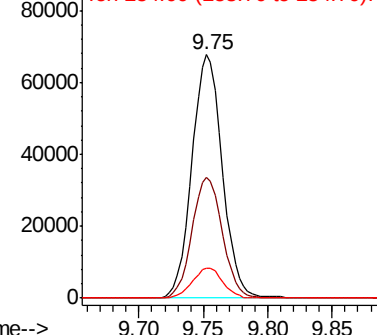
254 12.3 8.6 13.0

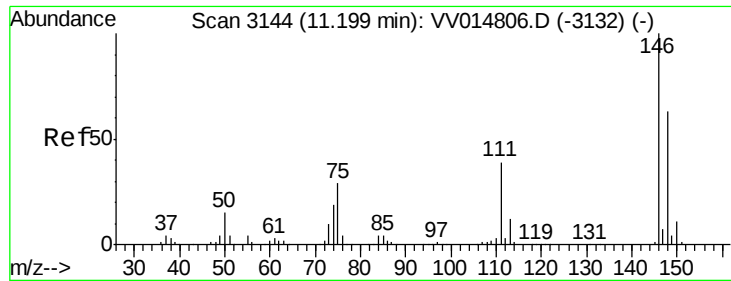


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#62

1,3-Dichlorobenzene

Concen: 48.070 ug/L

RT: 11.20 min Scan# 3144

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

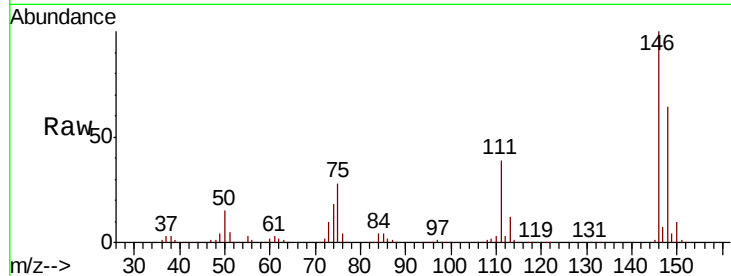
Tot Ion:146 Resp: 348062

Ion Ratio Lower Upper

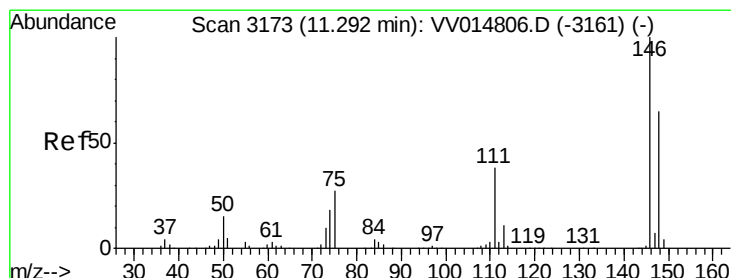
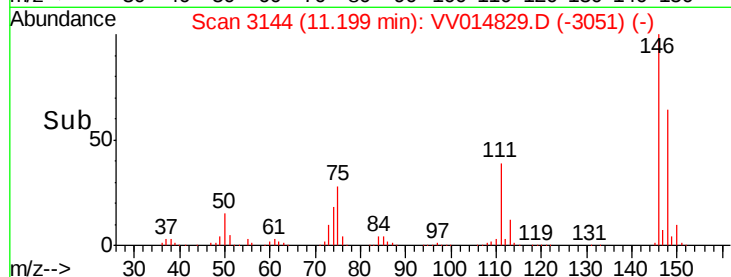
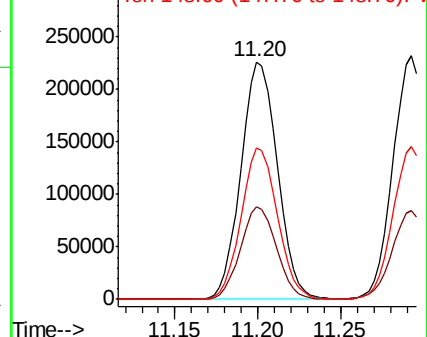
146 100

111 39.1 27.2 50.4

148 63.8 44.2 82.2



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



#63

1,4-Dichlorobenzene

Concen: 48.156 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

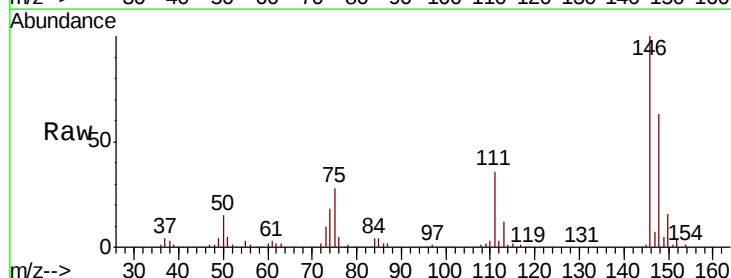
Tgt Ion:146 Resp: 351293

Ion Ratio Lower Upper

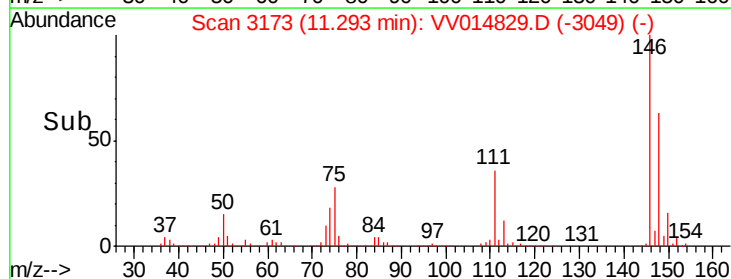
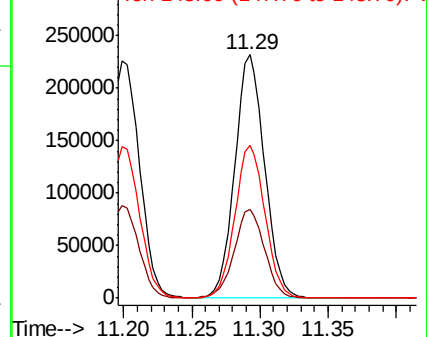
146 100

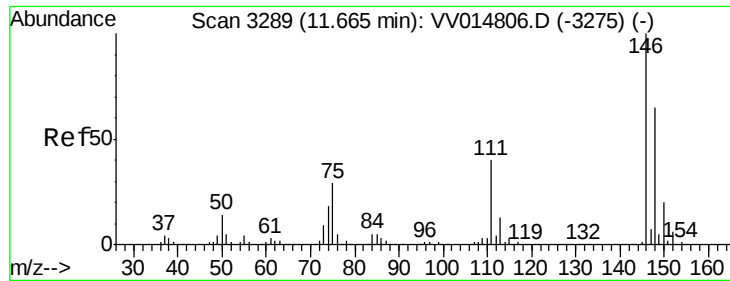
111 36.4 26.3 48.9

148 62.7 44.0 81.8



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





#65

1,2-Dichlorobenzene

Concen: 49.043 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

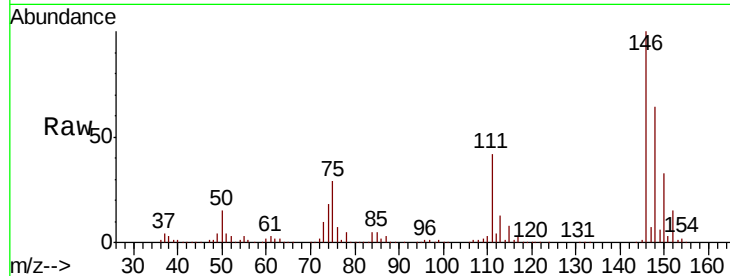
Tot Ion:146 Resp: 353535

Ion Ratio Lower Upper

146 100

111 41.8 33.9 50.9

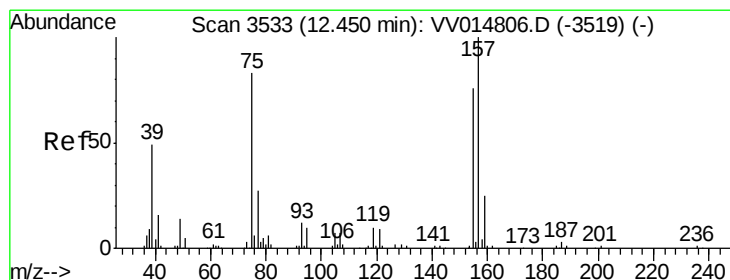
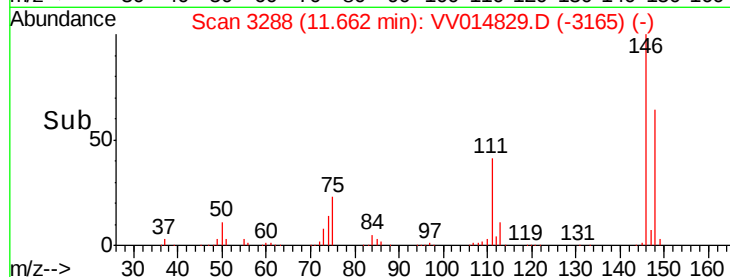
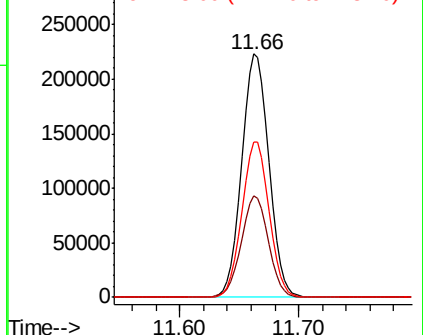
148 63.8 51.4 77.0



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: 45.685 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

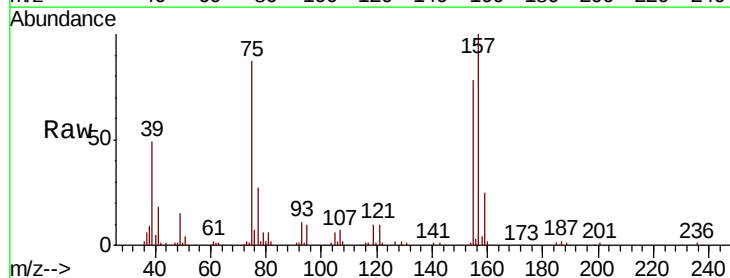
Tgt Ion: 75 Resp: 55894

Ion Ratio Lower Upper

75 100

155 89.4 66.4 99.6

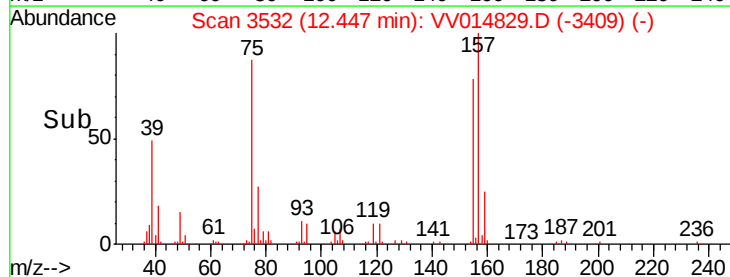
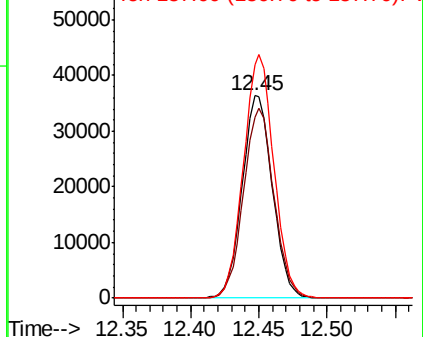
157 115.3 86.1 129.1

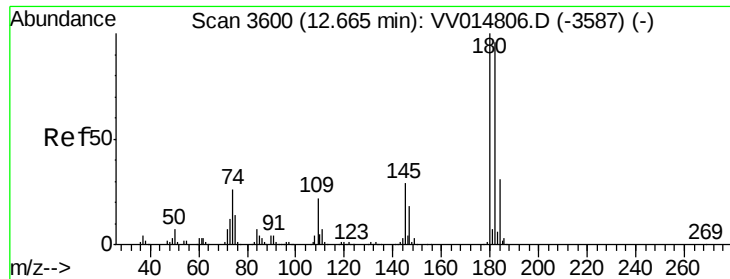


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

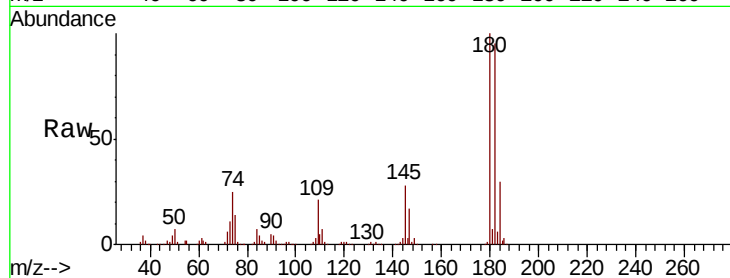




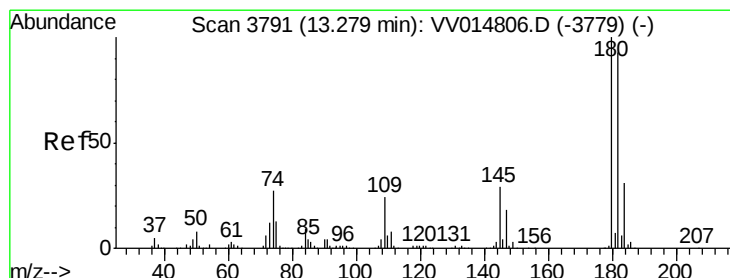
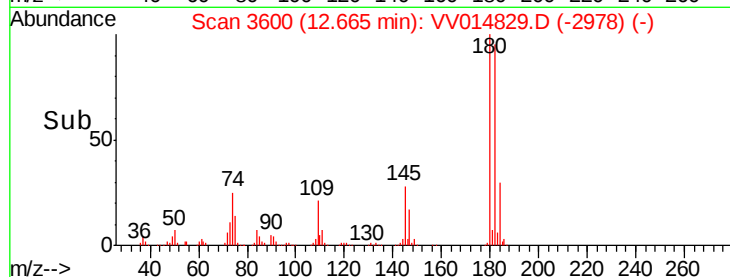
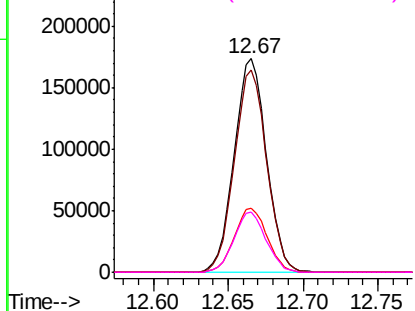
#67
 1,3,5-Trichlorobenzene
 Concen: 46.650 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	261235
Ion	Ratio	Lower Upper
180	100	
182	94.6	75.6 113.4
184	30.4	24.8 37.2
145	28.0	23.3 34.9

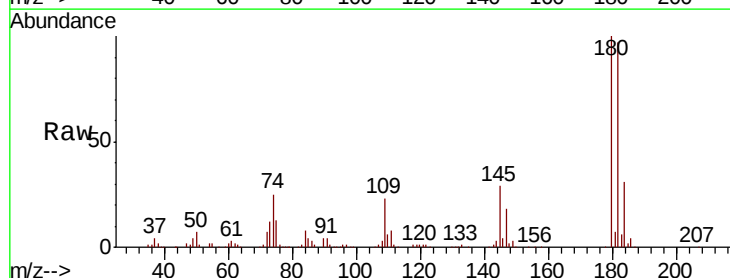


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

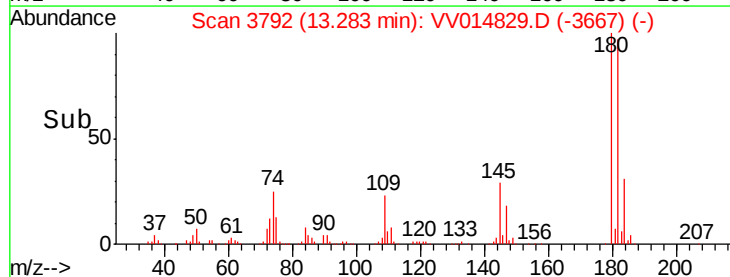
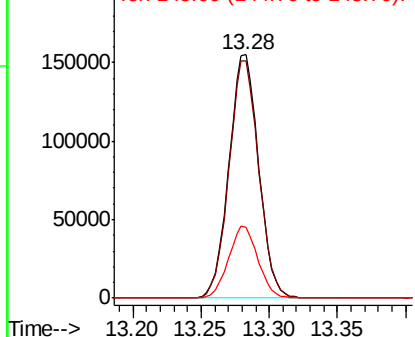


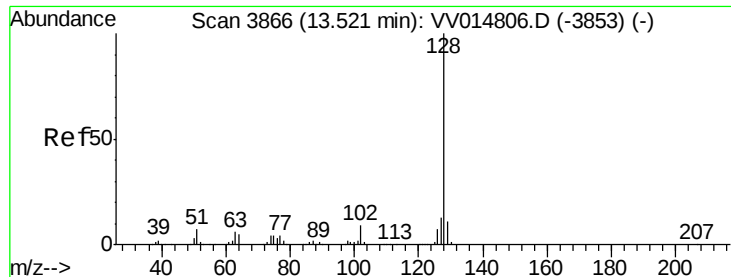
#68
 1,2,4-trichlorobenzene
 Concen: 45.572 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV014829.D
 Acq: 11 Mar 2020 02:18

Tgt Ion:180	Resp:	234560
Ion	Ratio	Lower Upper
180	100	
182	97.5	76.6 114.8
145	29.3	23.4 35.0



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: 47.816 ug/L

RT: 13.52 min Scan# 3866

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

Instrument :

MSVOA_V

ClientSampleId :

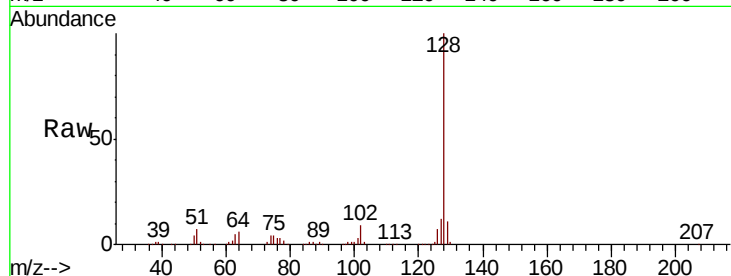
Tot Ion:128 Resp: 370502

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

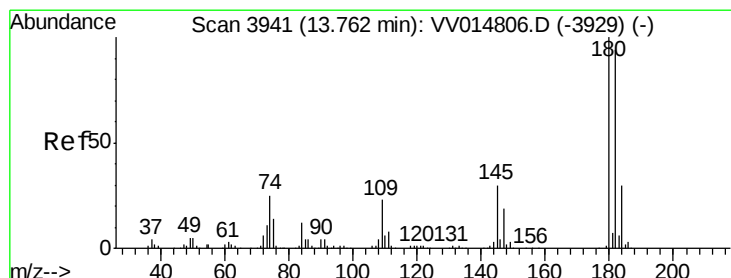
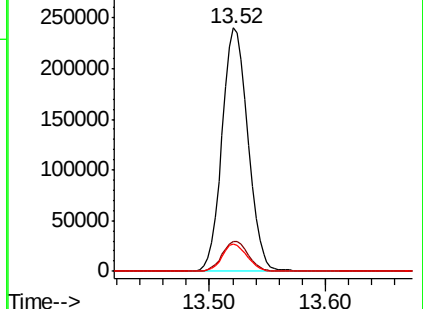
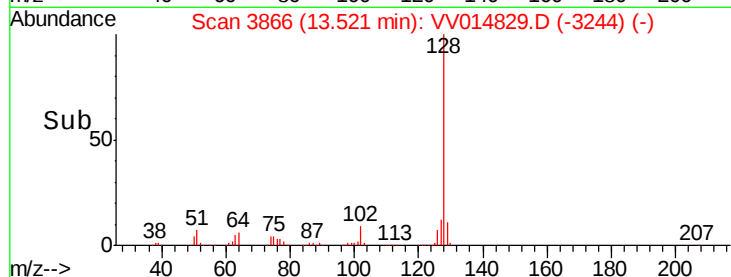
129 10.9 8.5 12.7



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: 47.860 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV014829.D

Acq: 11 Mar 2020 02:18

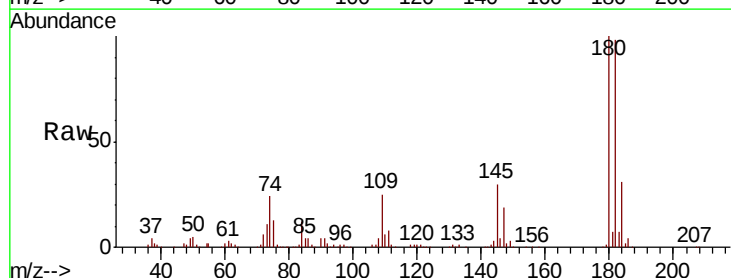
Tgt Ion:180 Resp: 245541

Ion Ratio Lower Upper

180 100

182 97.4 76.5 114.7

145 30.6 25.0 37.4



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

