

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092618\
 Data File : VR025869.D
 Acq On : 26 Sep 2018 19:16
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 27 07:52:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 27 07:50:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	353729	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	303572	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	112260	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	98574	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	2.63	69	89720	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	3.63	63	272609	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.00%
20) 2-Butanone-d5	6.59	46	202503	59.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.94%
24) Chloroform-d	7.20	84	231075	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	7.90	65	108685	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	7.85	84	420915	3.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.80%
36) 1,2-Dichloropropane-d6	8.90	67	130748	4.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.00%
41) Toluene-d8	9.97	98	367849	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.60%
43) trans-1,3-Dichloropropene-	10.23	79	28800	3.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.60%
46) 2-Hexanone-d5	10.59	63	157104	55.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64523	5.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	78736	4.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	135989	3.691	ug/L	99
3) Chloromethane	2.01	50	192040	4.788	ug/L	94
5) Vinyl chloride	2.17	62	190403	5.012	ug/L	95
6) Bromomethane	2.52	94	117590	5.445	ug/L	94
8) Chloroethane	2.66	64	114251	5.293	ug/L	97
9) Trichlorofluoromethane	2.94	101	79727	1.692	ug/L #	13
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	163558	5.698	ug/L	99
12) 1,1-Dichloroethene	3.65	96	160096	5.247	ug/L	84
13) Acetone	3.70	43	153201	68.757	ug/L	99
14) Carbon disulfide	3.95	76	353245	4.114	ug/L	98
15) Methyl Acetate	4.19	43	46992	6.574	ug/L	95
16) Methylene chloride	4.41	84	146818	5.352	ug/L	97
17) Methyl tert-butyl Ether	4.90	73	234227	4.389	ug/L	97
18) trans-1,2-Dichloroethene	4.89	96	149047	4.317	ug/L	94
19) 1,1-Dichloroethane	5.69	63	306744	4.346	ug/L	96
21) 2-Butanone	6.69	43	256604	55.257	ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	155251	4.465	ug/L #	97

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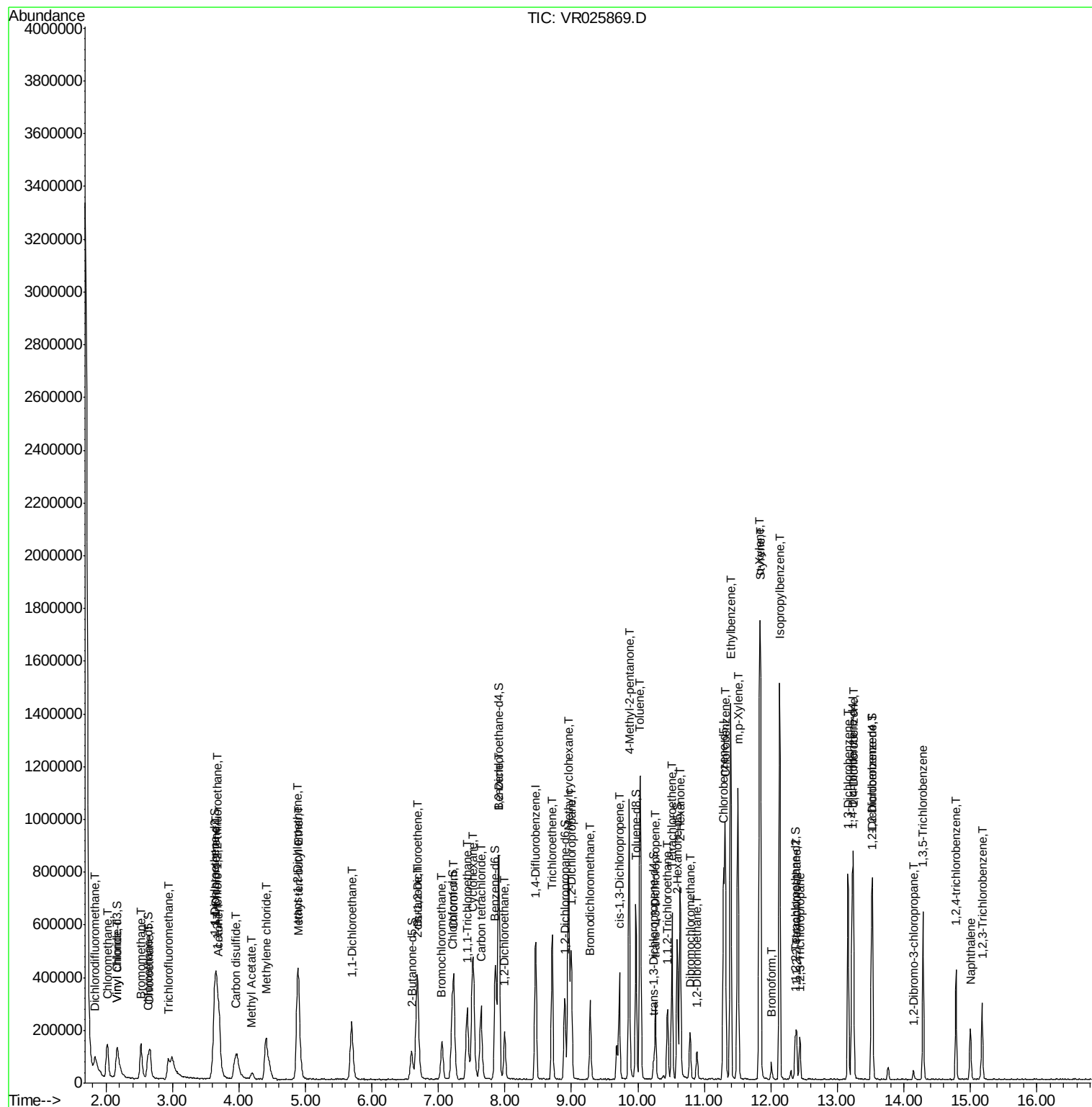
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.06	128	38566	4.208	ug/L	96
25) Chloroform	7.23	83	299823	4.620	ug/L	99
27) 1,2-Dichloroethane	7.99	62	160782	4.793	ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	227201	3.706	ug/L	96
30) Cyclohexane	7.52	56	297677	4.073	ug/L	99
31) Carbon tetrachloride	7.63	117	194049	3.847	ug/L	98
33) Benzene	7.91	78	698840	4.385	ug/L	100
34) Trichloroethene	8.71	95	172683	4.083	ug/L	97
35) Methylcyclohexane	8.96	83	279183	4.025	ug/L	98
37) 1,2-Dichloropropane	9.00	63	161234	4.538	ug/L	99
38) Bromodichloromethane	9.28	83	169902	4.331	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	189076	4.347	ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	667809	53.984	ug/L	97
42) Toluene	10.04	91	727315	4.478	ug/L	96
44) trans-1,3-Dichloropropene	10.26	75	127201	4.220	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	69444	4.662	ug/L	99
47) Tetrachloroethene	10.51	164	93311	3.857	ug/L	94
48) 2-Hexanone	10.63	43	445214	54.725	ug/L	97
49) Dibromochloromethane	10.79	129	70083	4.516	ug/L	99
50) 1,2-Dibromoethane	10.89	107	59572	4.544	ug/L	100
51) Chlorobenzene	11.32	112	380977	4.471	ug/L	98
52) Ethylbenzene	11.39	91	855768	4.579	ug/L	99
53) m,p-Xylene	11.50	106	293482	4.355	ug/L	97
54) o-Xylene	11.83	106	279218	4.525	ug/L	96
55) Styrene	11.84	104	455168	4.761	ug/L	98
56) Isopropylbenzene	12.13	105	794900	4.603	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	74609	5.104	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	55439	4.777	ug/L	98
61) Bromoform	12.01	173	20989	4.007	ug/L	95
62) 1,3-Dichlorobenzene	13.16	146	223399	4.300	ug/L	96
63) 1,4-Dichlorobenzene	13.24	146	213339	4.255	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	174572	4.414	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	7361	4.071	ug/L	95
67) 1,3,5-Trichlorobenzene	14.29	180	123335	4.209	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	79896	4.285	ug/L	98
69) Naphthalene	15.00	128	122530	4.516	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	59056	4.459	ug/L	99

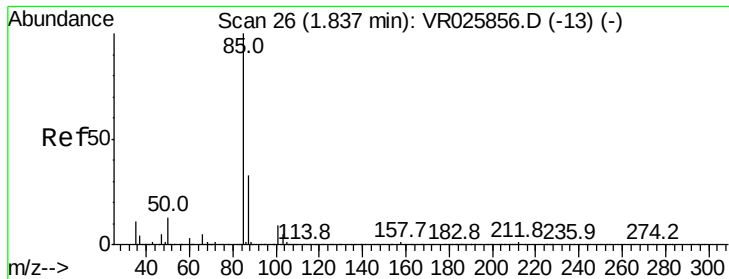
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.691 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

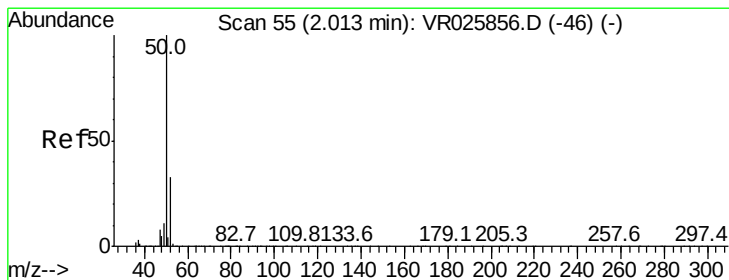
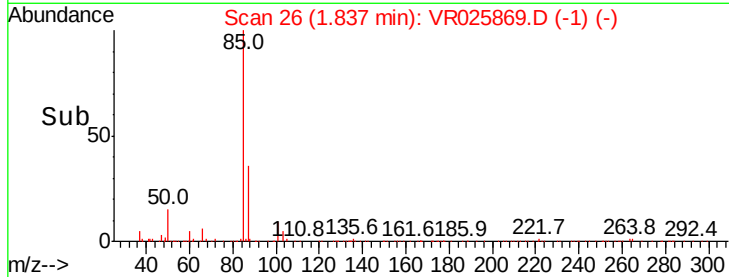
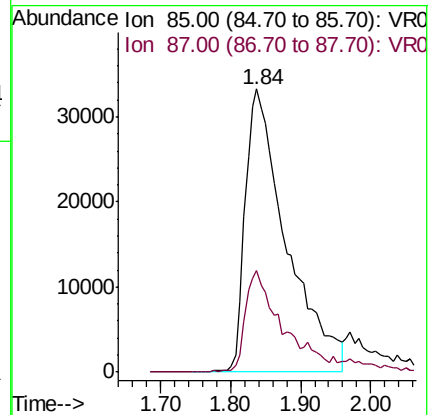
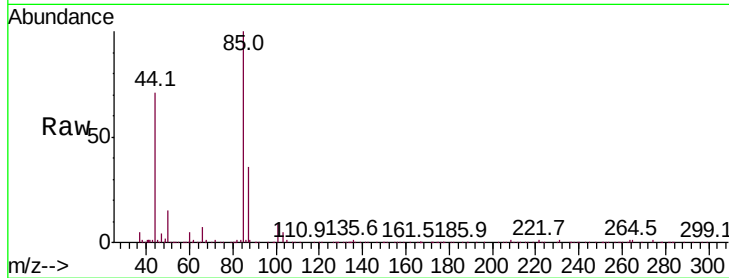
ClientSampleId :

Tot Ion: 85 Resp: 135989

Ion Ratio Lower Upper

85 100

87 32.0 25.1 37.7



#3

Chloromethane

Concen: 4.788 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR025869.D

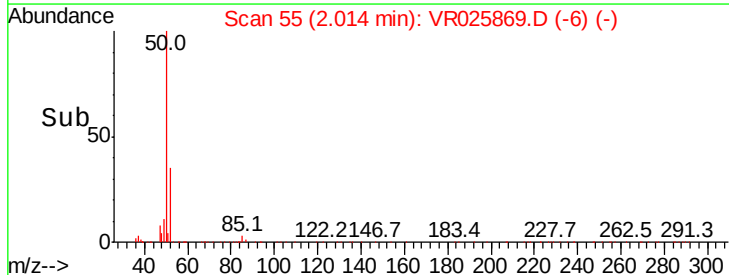
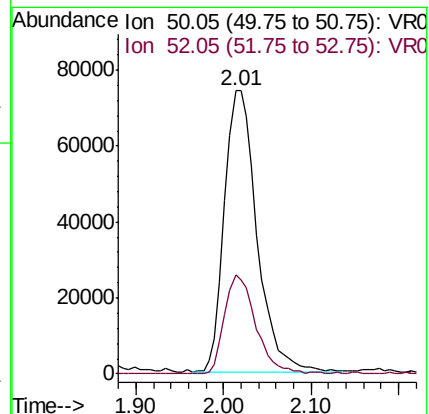
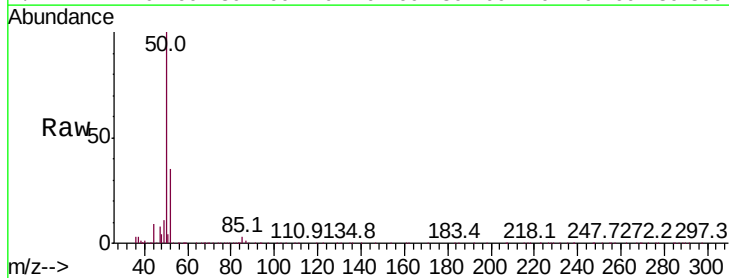
Acq: 26 Sep 2018 19:16

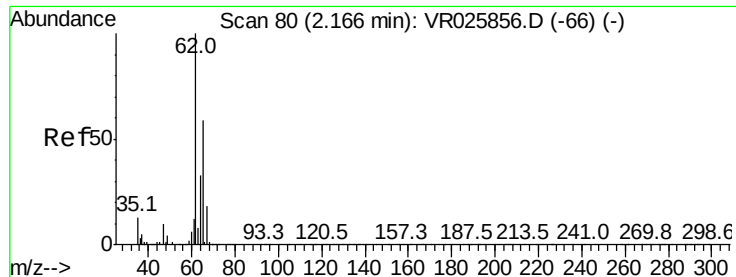
Tgt Ion: 50 Resp: 192040

Ion Ratio Lower Upper

50 100

52 35.1 22.1 41.1





#5

Vinyl chloride

Concen: 5.012 ug/L

RT: 2.17 min Scan# 80

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

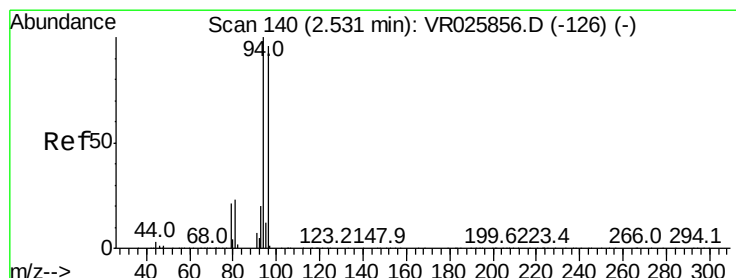
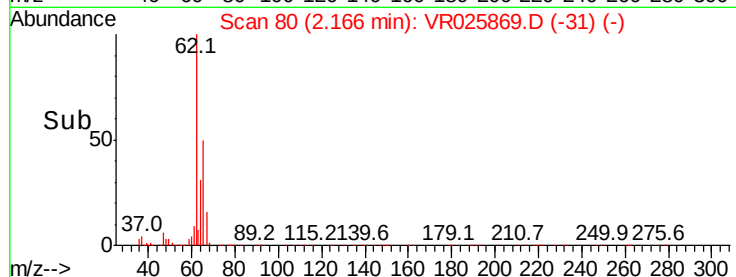
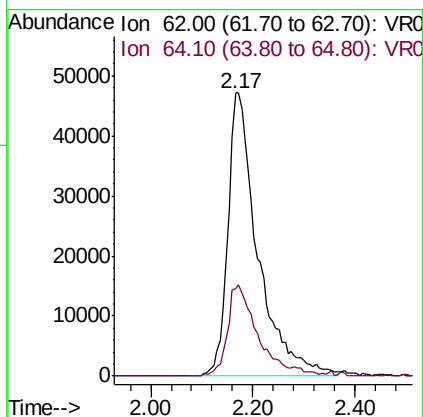
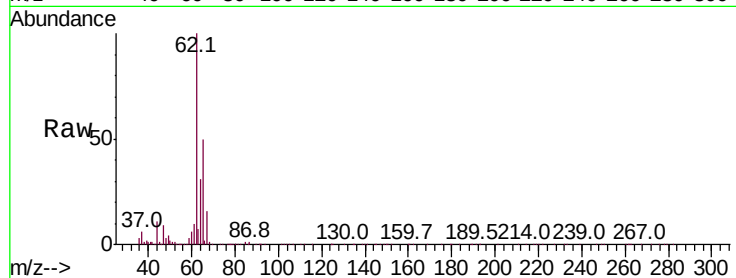
ClientSampled :

Tot Ion: 62 Resp: 190403

Ion Ratio Lower Upper

62 100

64 30.8 23.5 43.7



#6

Bromomethane

Concen: 5.445 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR025869.D

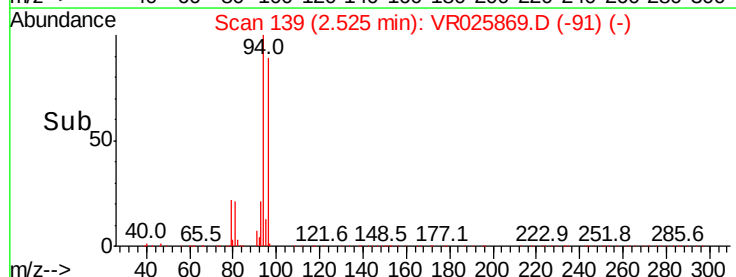
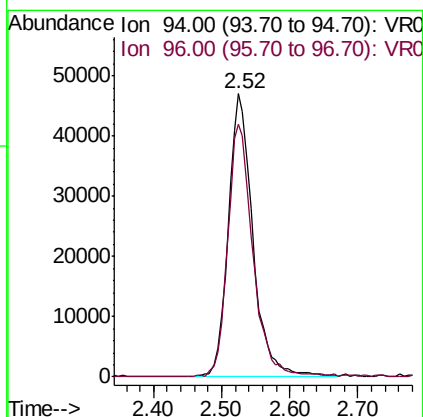
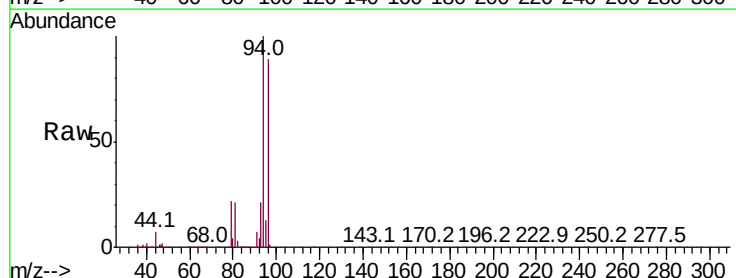
Acq: 26 Sep 2018 19:16

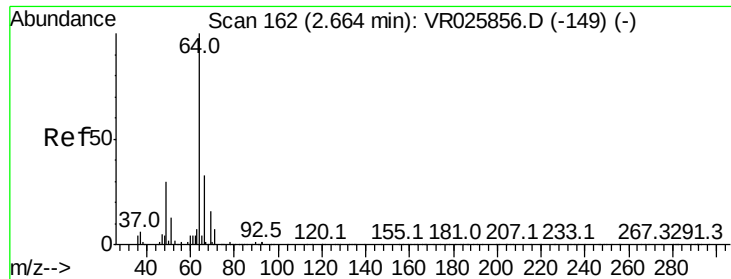
Tgt Ion: 94 Resp: 117590

Ion Ratio Lower Upper

94 100

96 89.1 66.1 122.8





#8

Chloroethane

Concen: 5.293 ug/L

RT: 2.66 min Scan# 161

Delta R.T. -0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

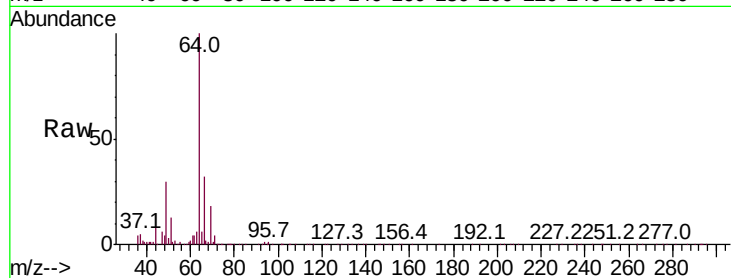
ClientSampled :

Tot Ion: 64 Resp: 114251

Ion Ratio Lower Upper

64 100

66 31.8 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

50000

40000

30000

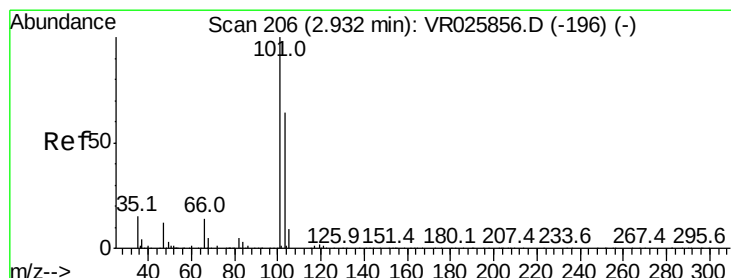
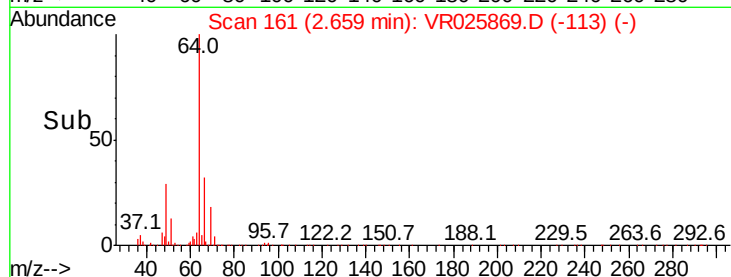
20000

10000

0

Time-->

2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.692 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR025869.D

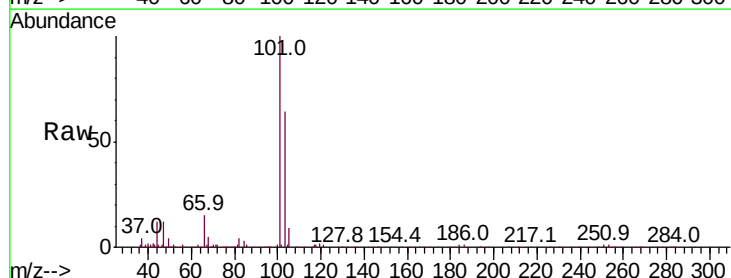
Acq: 26 Sep 2018 19:16

Tgt Ion: 101 Resp: 79727

Ion Ratio Lower Upper

101 100

103 73.3 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

40000

30000

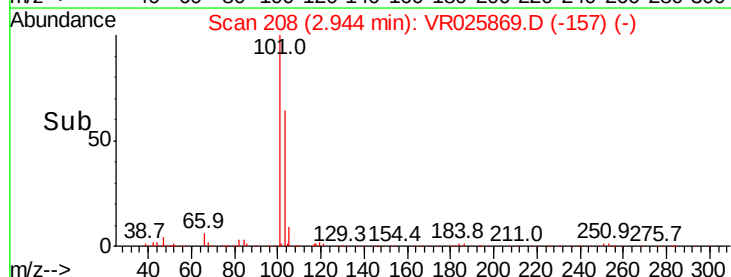
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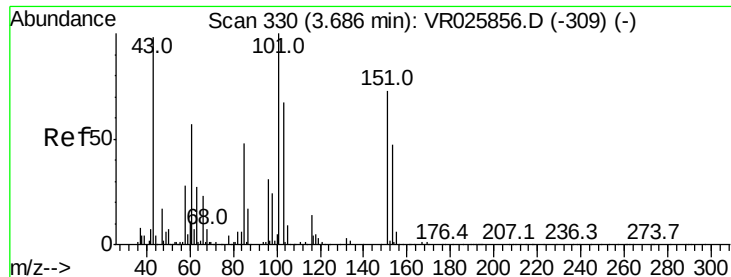
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Time-->

2.85 2.90 2.95





#10

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

Concen: 5.698 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

ClientSampled :

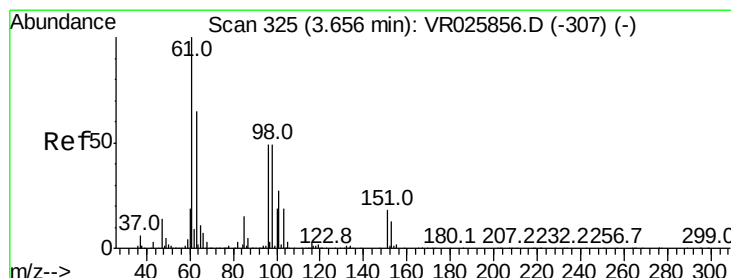
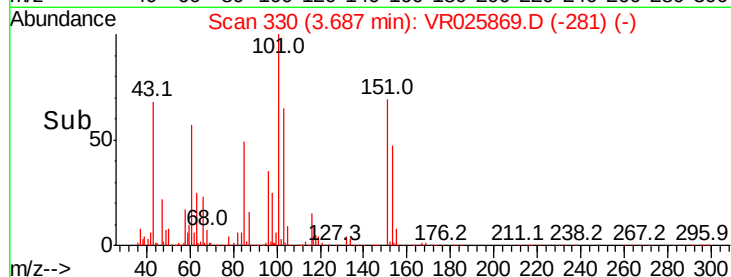
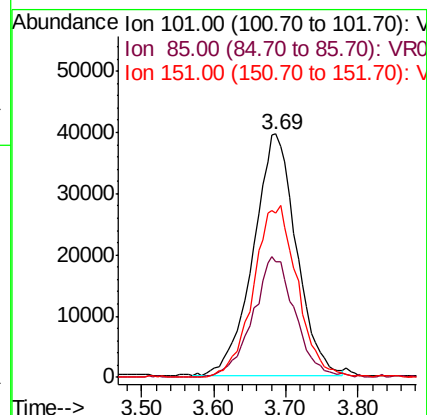
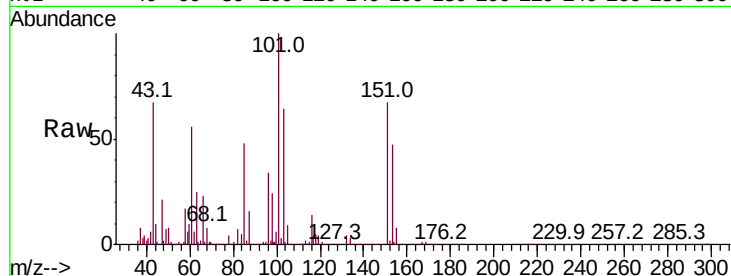
Tot Ion:101 Resp: 163558

Ion Ratio Lower Upper

101 100

85 49.0 38.2 57.4

151 72.5 58.4 87.6



#12

1,1-Dichloroethene

Concen: 5.247 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

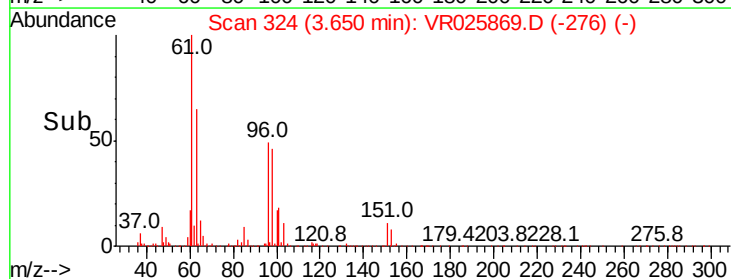
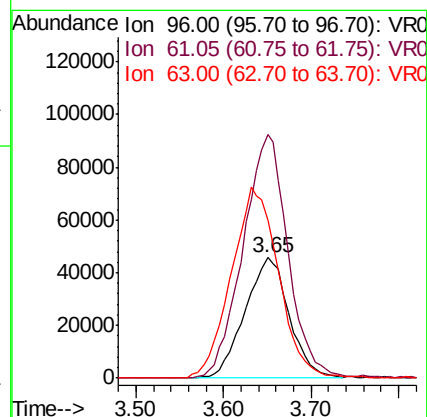
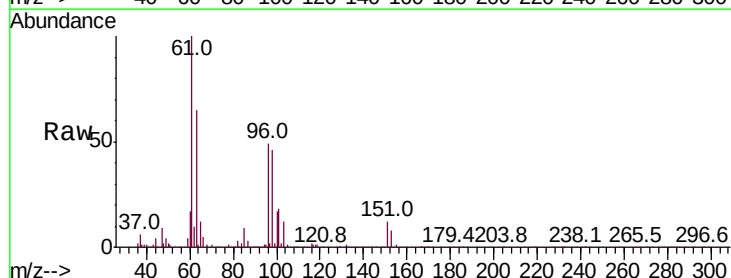
Tgt Ion: 96 Resp: 160096

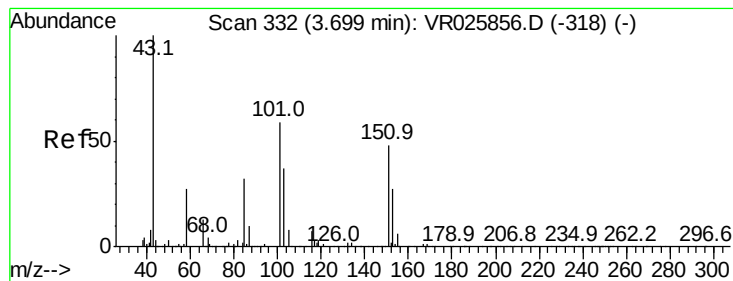
Ion Ratio Lower Upper

96 100

61 202.6 145.0 269.4

63 131.8 123.8 230.0





#13

Acetone

Concen: 68.757 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

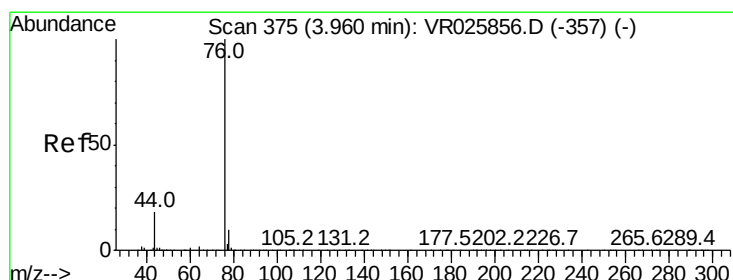
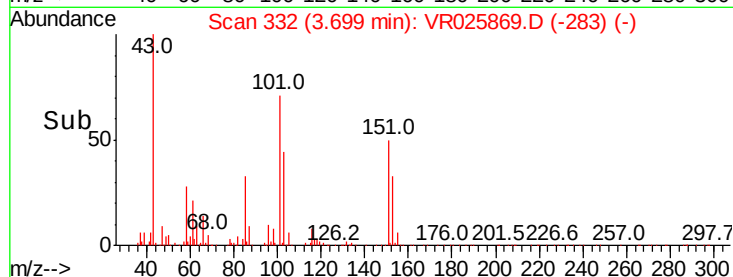
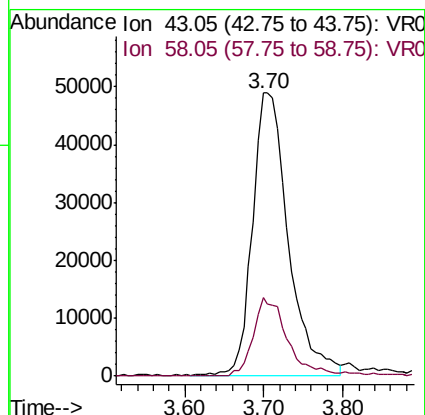
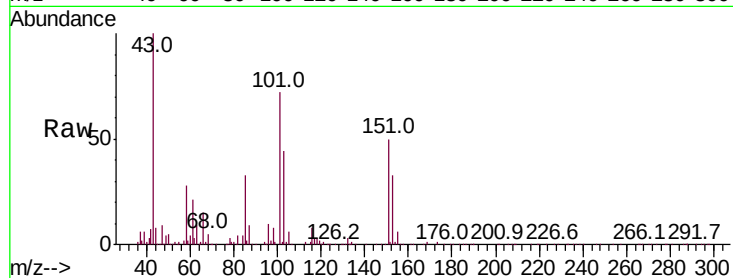
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 153201

Ion Ratio Lower Upper

43 100

58 26.2 0.0 51.4



#14

Carbon disulfide

Concen: 4.114 ug/L

RT: 3.95 min Scan# 374

Delta R.T. -0.01 min

Lab File: VR025869.D

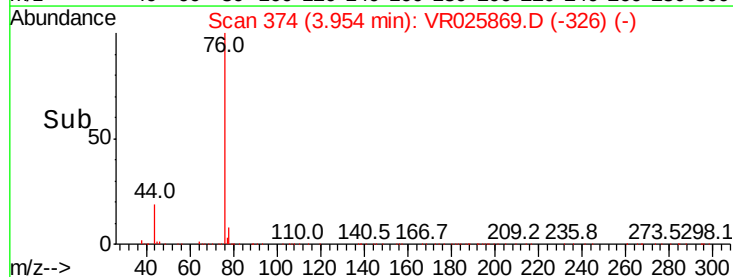
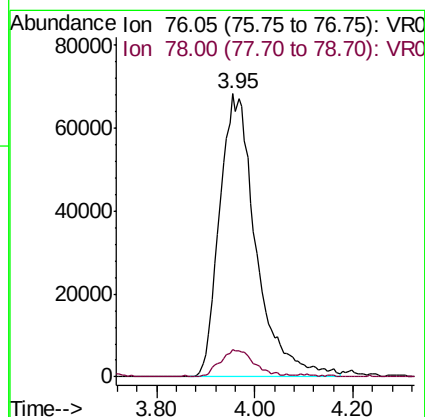
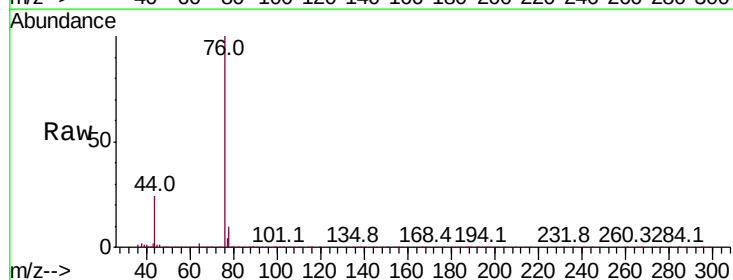
Acq: 26 Sep 2018 19:16

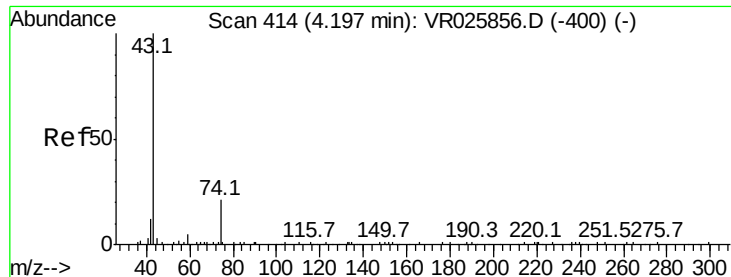
Tgt Ion: 76 Resp: 353245

Ion Ratio Lower Upper

76 100

78 9.5 7.0 10.6





#15

Methyl Acetate

Concen: 6.574 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

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Acq: 26 Sep 2018 19:16

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MSVOA_R

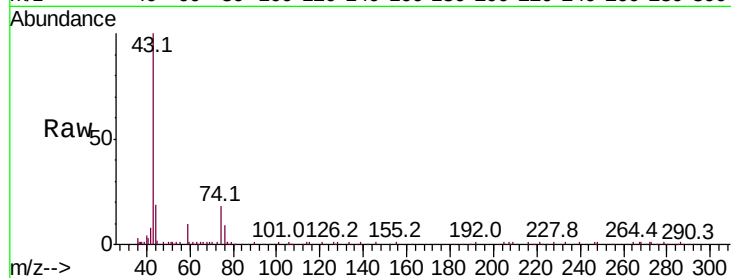
ClientSampled :

Tot Ion: 43 Resp: 46992

Ion Ratio Lower Upper

43 100

74 21.5 19.0 28.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

4.19

15000

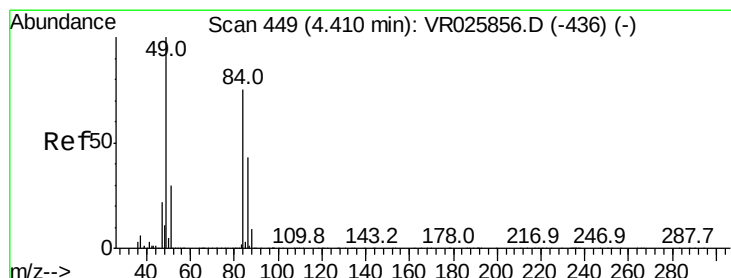
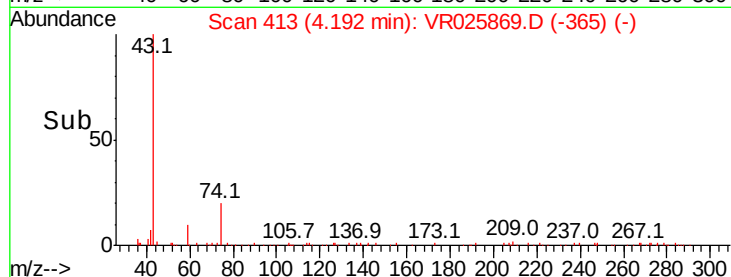
10000

5000

0

Time-->

4.10 4.20 4.30



#16

Methylene chloride

Concen: 5.352 ug/L

RT: 4.41 min Scan# 449

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

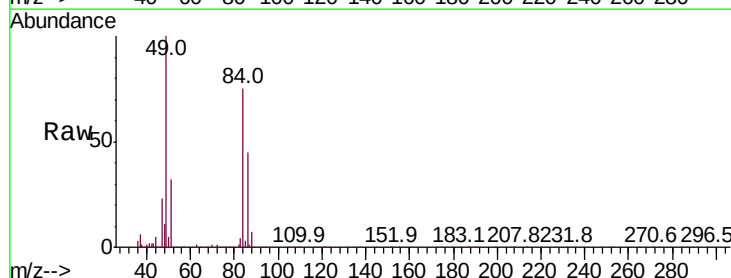
Tgt Ion: 84 Resp: 146818

Ion Ratio Lower Upper

84 100

86 60.3 43.1 80.1

49 132.7 95.5 177.3



Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

60000

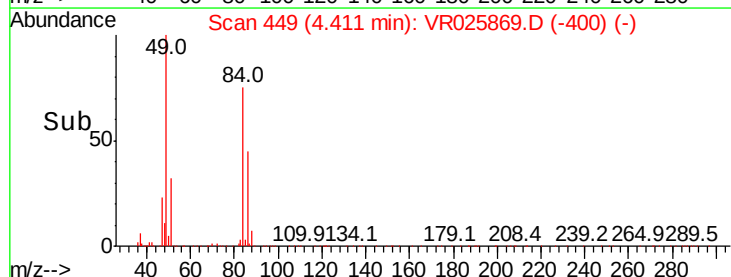
40000

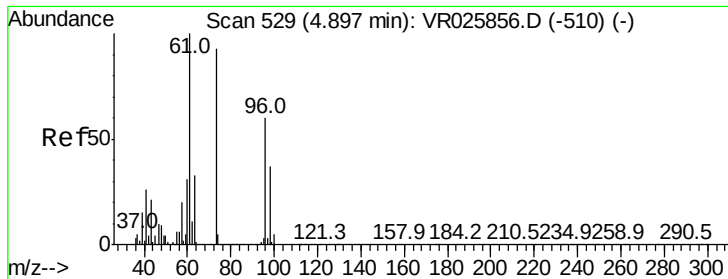
20000

0

Time-->

4.30 4.40 4.50 4.60





#17

Methyl tert-butyl Ether

Concen: 4.389 ug/L

RT: 4.90 min Scan# 530

Delta R.T. 0.01 min

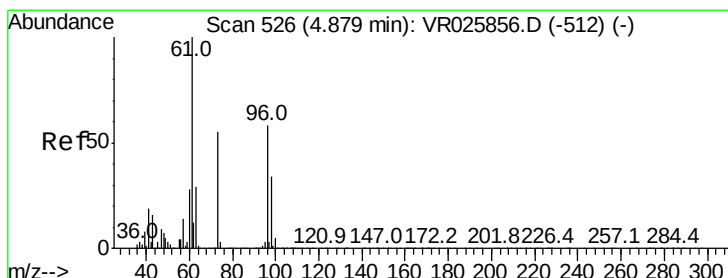
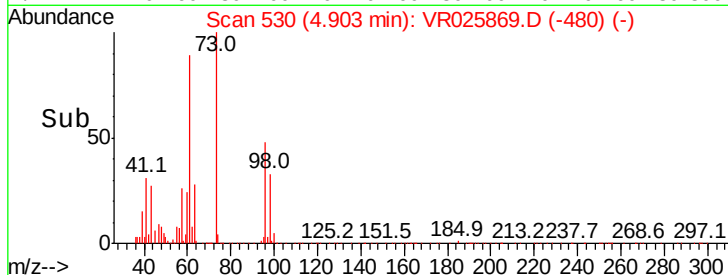
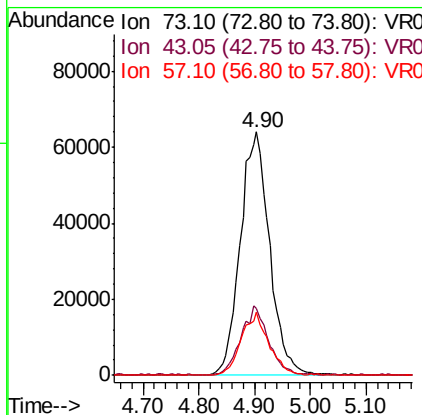
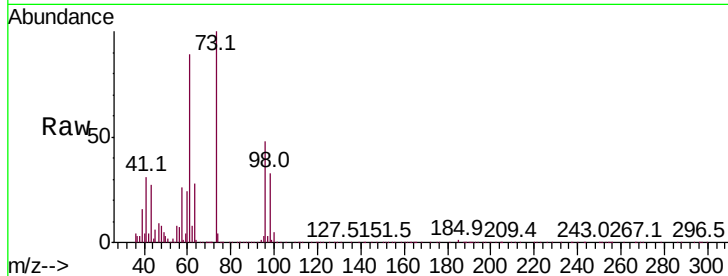
Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 73 Resp: 234227

Ion	Ratio	Lower	Upper
73	100		
43	26.3	19.8	29.8
57	23.8	17.9	26.9



#18

trans-1,2-Dichloroethene

Concen: 4.317 ug/L

RT: 4.89 min Scan# 527

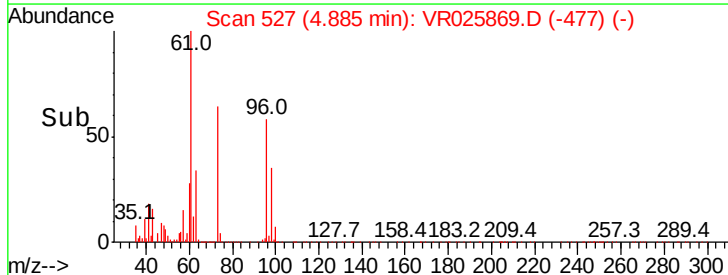
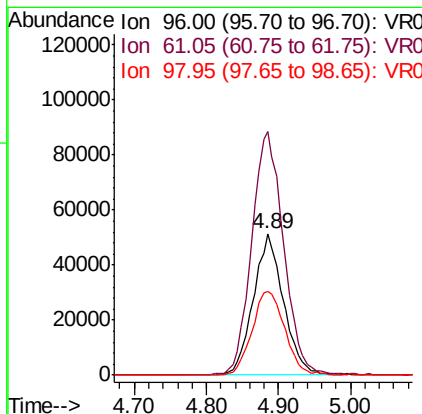
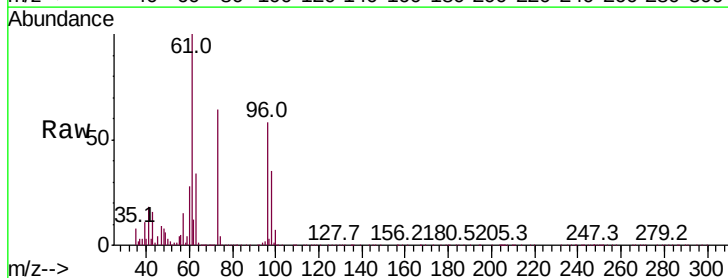
Delta R.T. 0.01 min

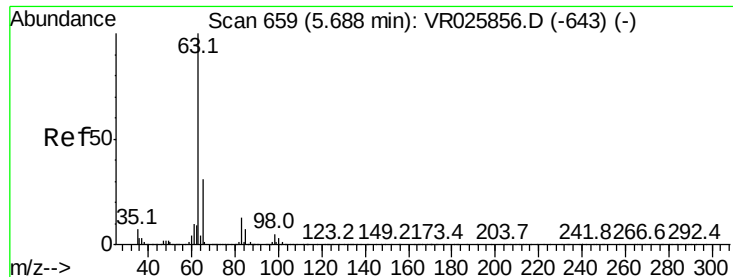
Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Tgt Ion: 96 Resp: 149047

Ion	Ratio	Lower	Upper
96	100		
61	172.2	127.4	236.6
98	59.6	43.8	81.3

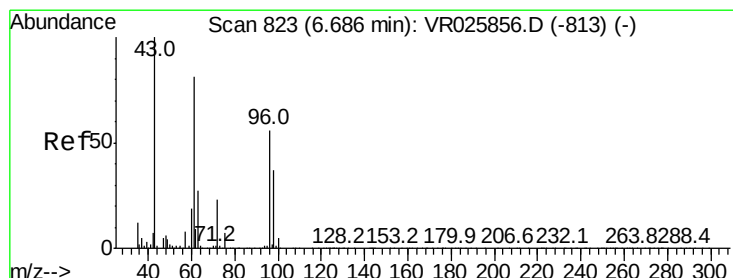
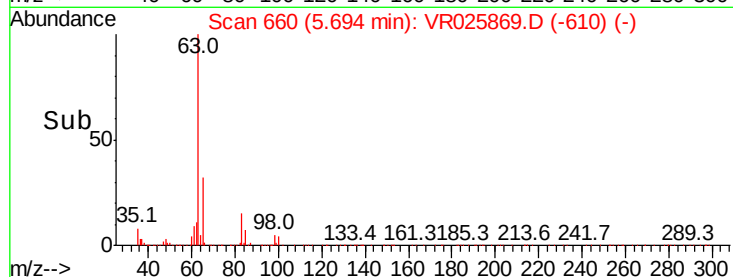
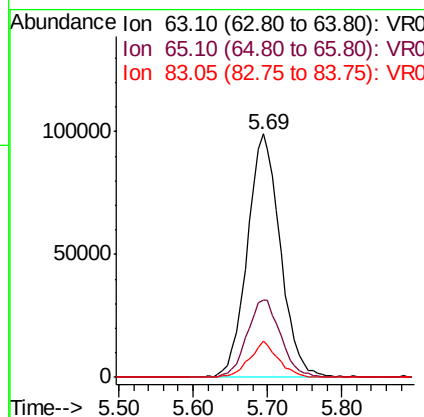
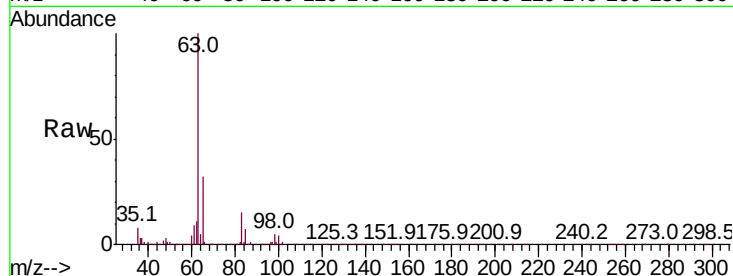




#19
 1,1-Dichloroethane
 Concen: 4.346 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

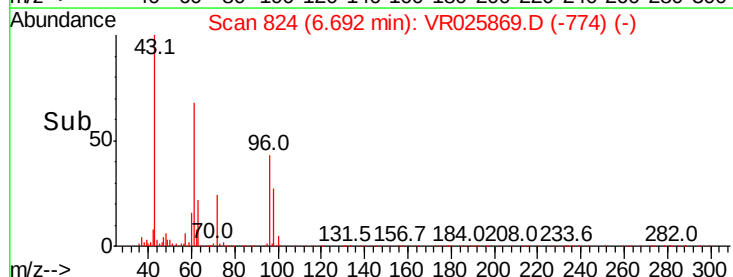
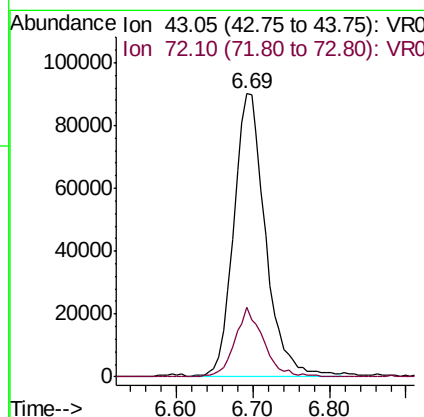
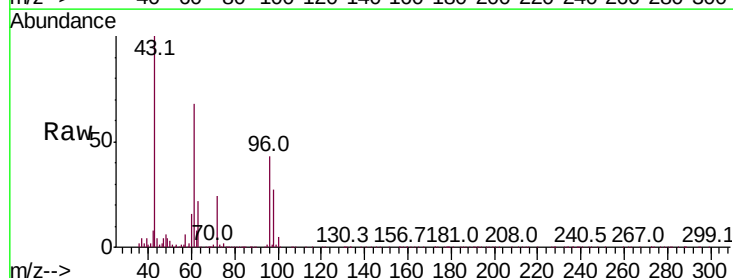
Instrument :
 MSVOA_R
 ClientSampleId :

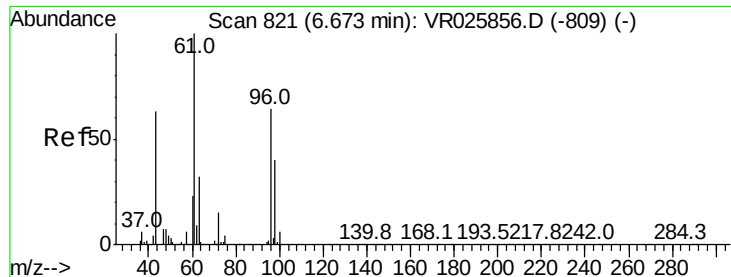
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.1	39.1
83	14.9	8.9	16.5



#21
 2-Butanone
 Concen: 55.257 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. 0.01 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	11.9	35.7



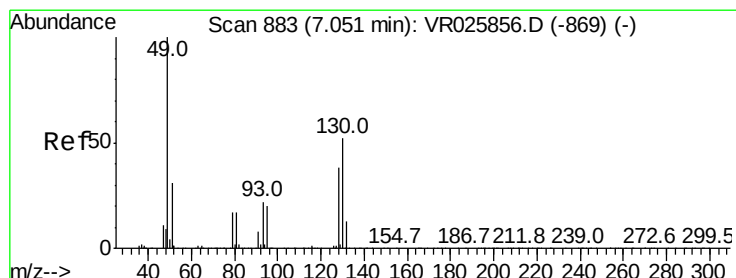
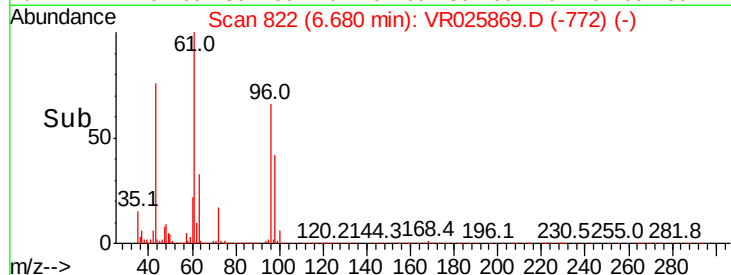
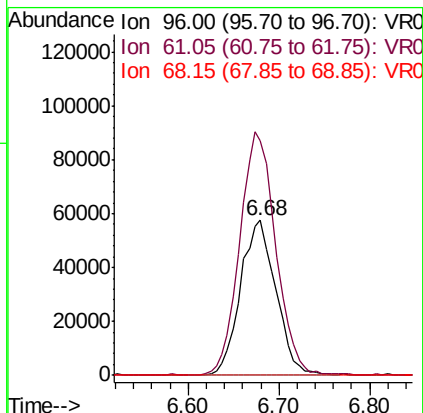
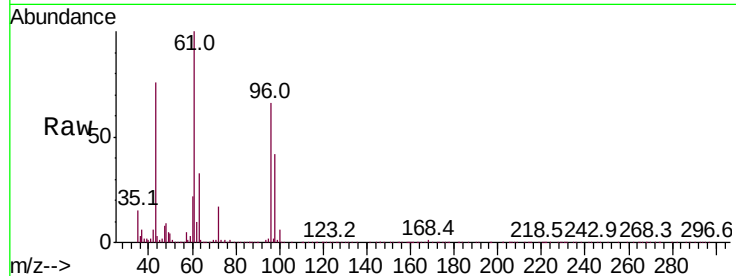


#22

cis-1,2-Dichloroethene
Concen: 4.465 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Instrument :
MSVOA_R
ClientSampleId :

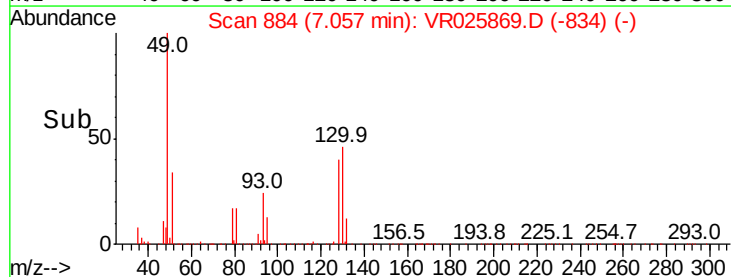
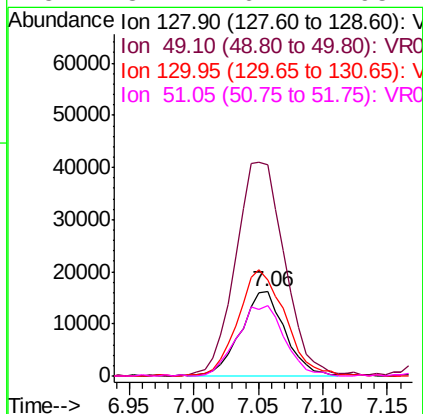
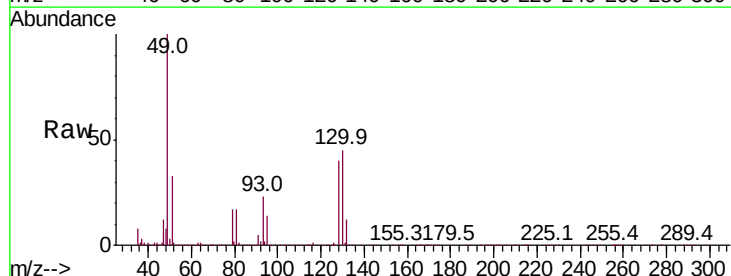
Tot Ion: 96 Resp: 155251
Ion Ratio Lower Upper
96 100
61 151.5 108.7 201.9
68 0.4 0.1 0.1#

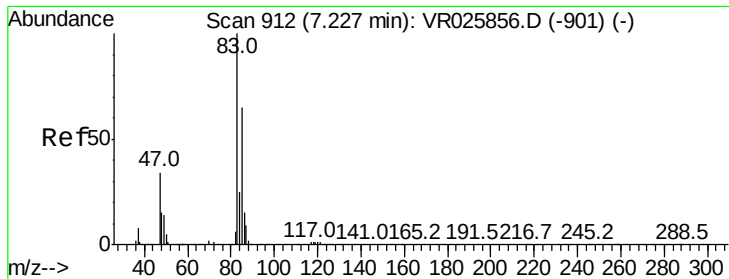


#23

Bromochloromethane
Concen: 4.208 ug/L
RT: 7.06 min Scan# 884
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Tgt Ion: 128 Resp: 38566
Ion Ratio Lower Upper
128 100
49 252.1 175.0 325.0
130 114.6 85.6 159.0
51 84.4 62.2 93.2

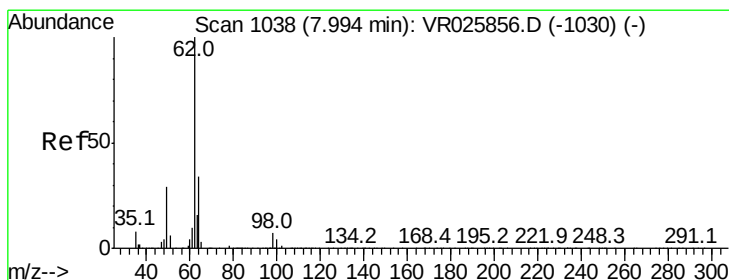
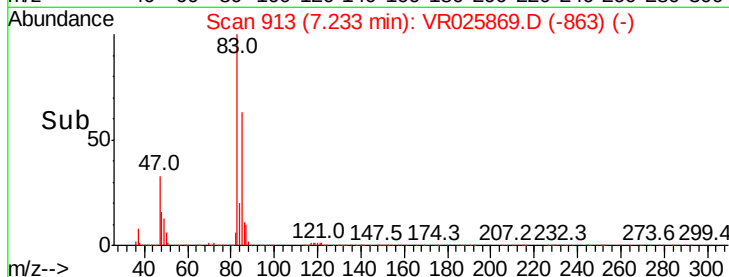
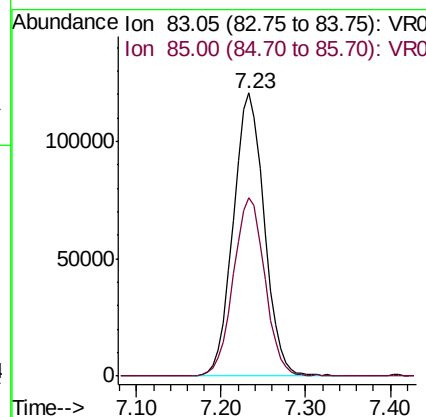
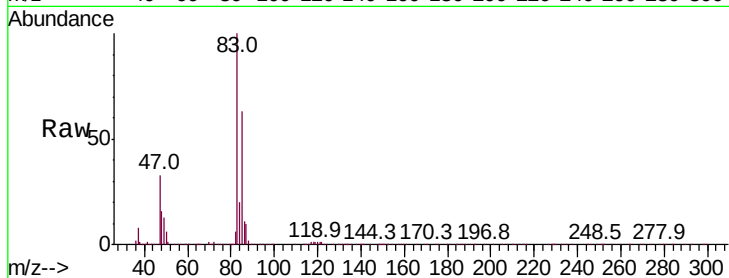




#25
Chloroform
Concen: 4.620 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

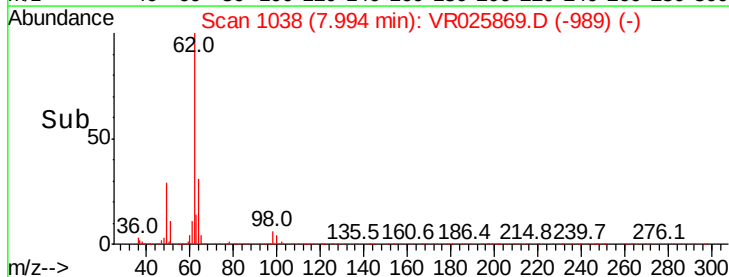
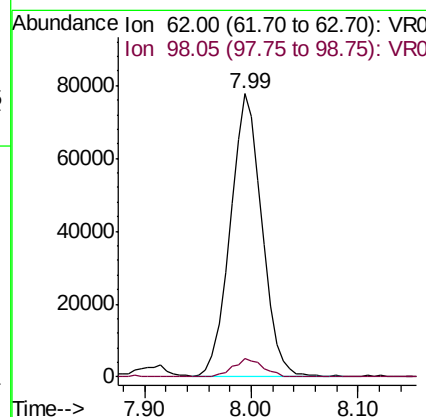
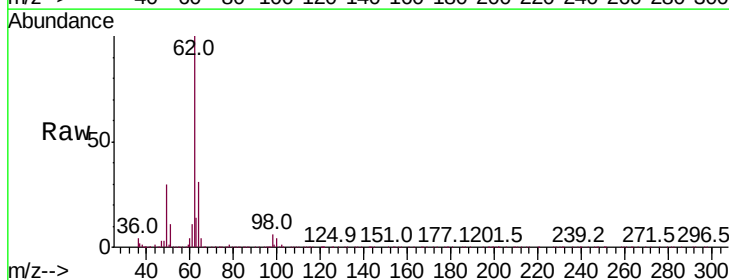
Instrument :
MSVOA_R
ClientSampleId :

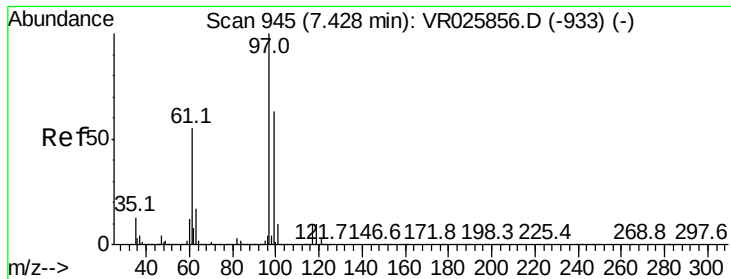
Tot Ion: 83 Resp: 299823
Ion Ratio Lower Upper
83 100
85 63.1 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.793 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Tgt Ion: 62 Resp: 160782
Ion Ratio Lower Upper
62 100
98 6.3 5.2 7.8

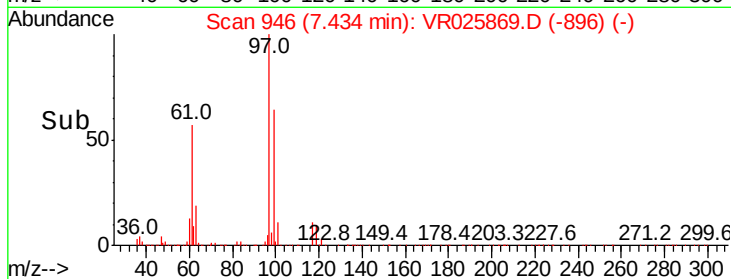
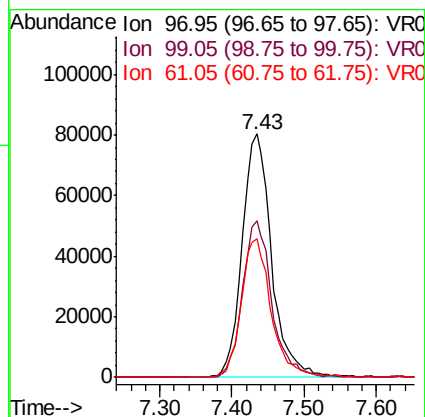
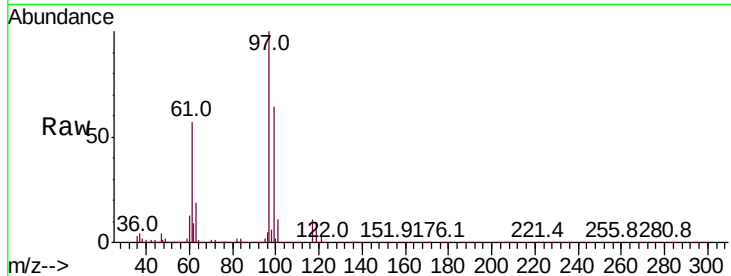




#29
1,1,1-Trichloroethane
Concen: 3.706 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

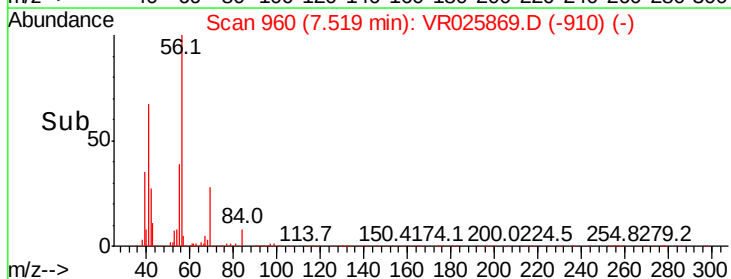
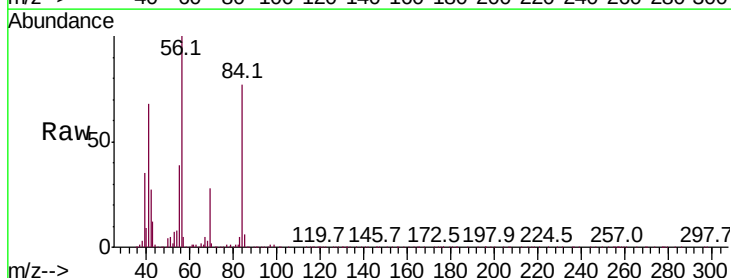
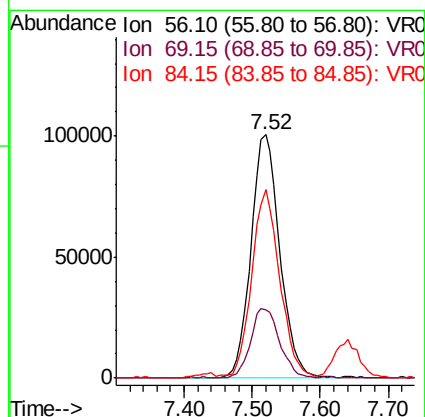
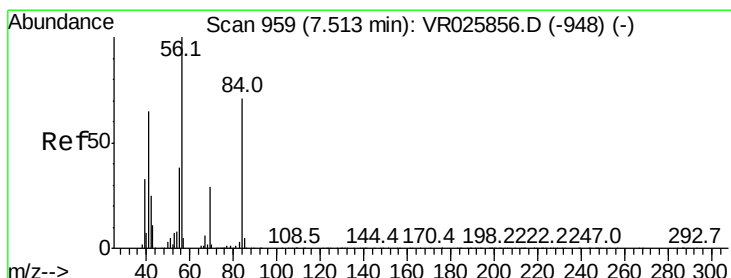
Instrument :
MSVOA_R
ClientSampled :

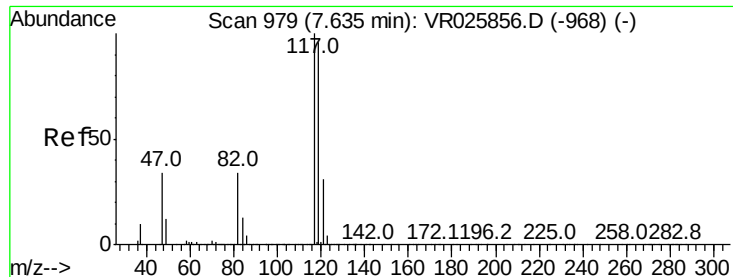
Tot Ion: 97 Resp: 227201
Ion Ratio Lower Upper
97 100
99 64.4 51.0 76.6
61 57.8 41.6 62.4



#30
Cyclohexane
Concen: 4.073 ug/L
RT: 7.52 min Scan# 960
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Tgt Ion: 56 Resp: 297677
Ion Ratio Lower Upper
56 100
69 28.8 24.8 37.2
84 75.1 59.8 89.8





#31

Carbon tetrachloride

Concen: 3.847 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

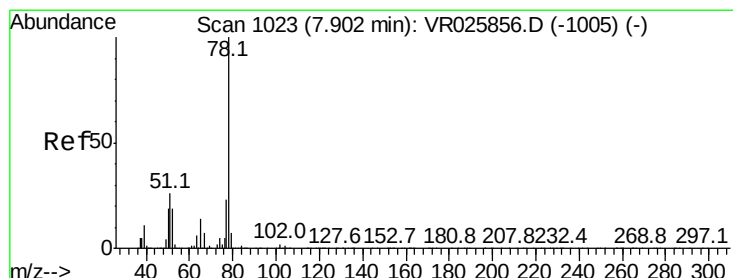
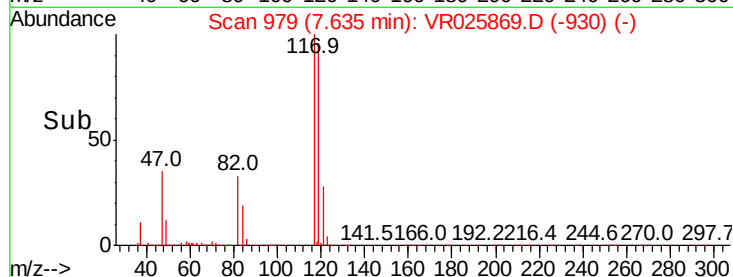
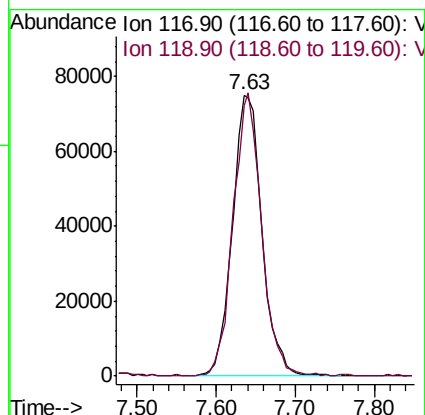
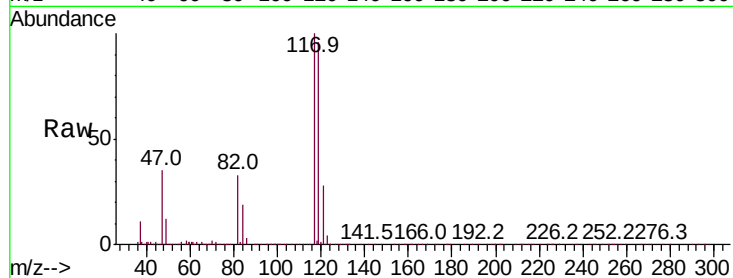
ClientSampleId :

Tot Ion:117 Resp: 194049

Ion Ratio Lower Upper

117 100

119 96.9 75.6 113.4



#33

Benzene

Concen: 4.385 ug/L

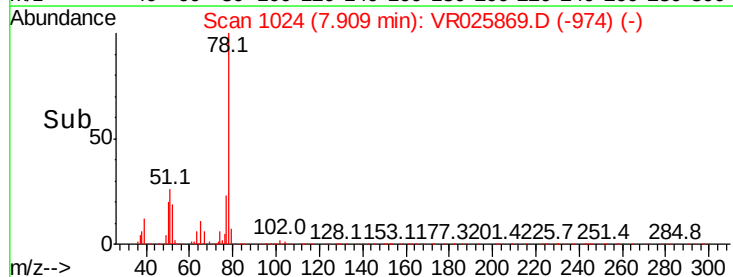
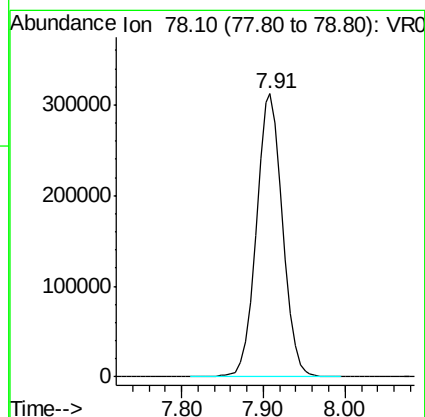
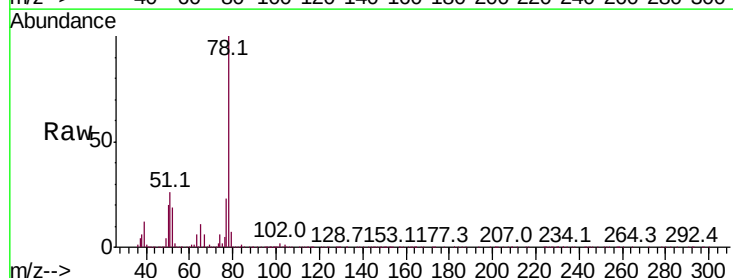
RT: 7.91 min Scan# 1024

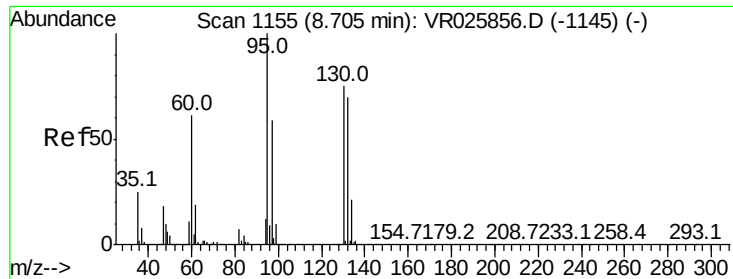
Delta R.T. 0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Tgt Ion: 78 Resp: 698840





#34

Trichloroethene

Concen: 4.083 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 172683

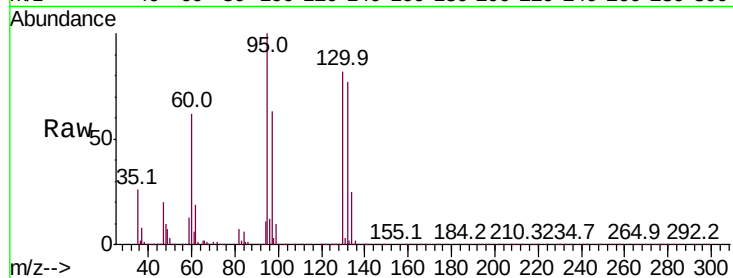
Ion Ratio Lower Upper

95 100

97 62.7 43.9 81.5

132 77.5 53.3 98.9

130 82.2 53.8 99.8

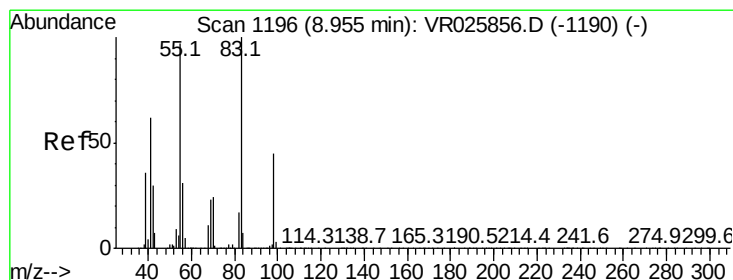
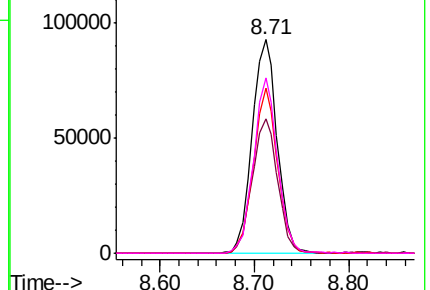
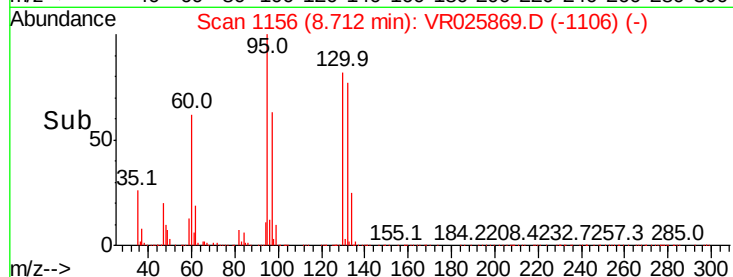


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 4.025 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

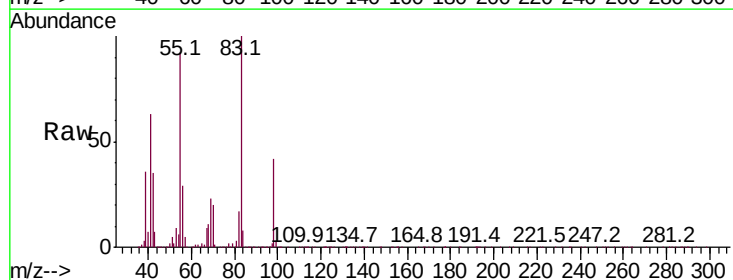
Tgt Ion: 83 Resp: 279183

Ion Ratio Lower Upper

83 100

55 91.5 71.8 107.6

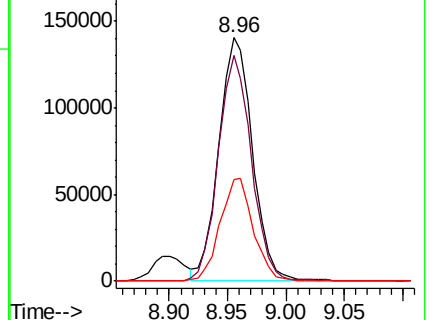
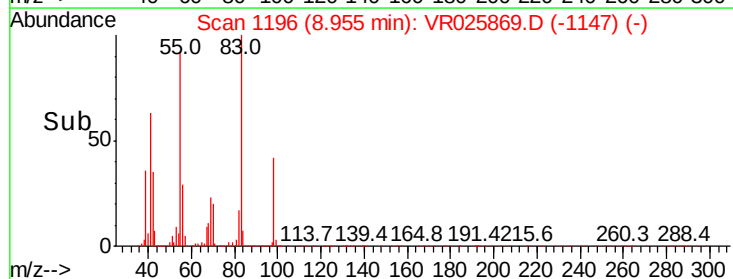
98 42.3 34.2 51.4

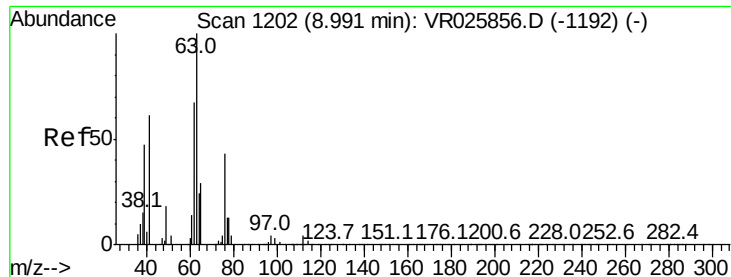


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.538 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

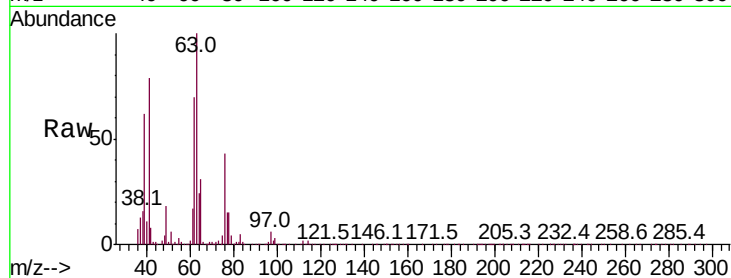
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 161234

Ion Ratio Lower Upper

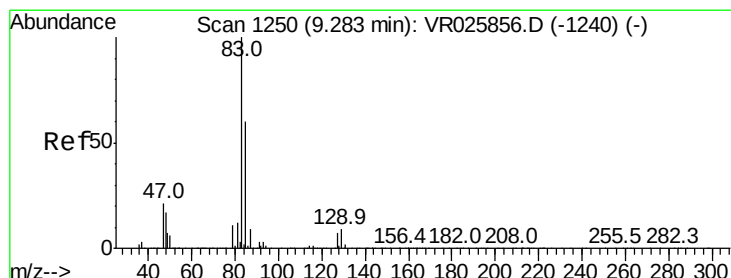
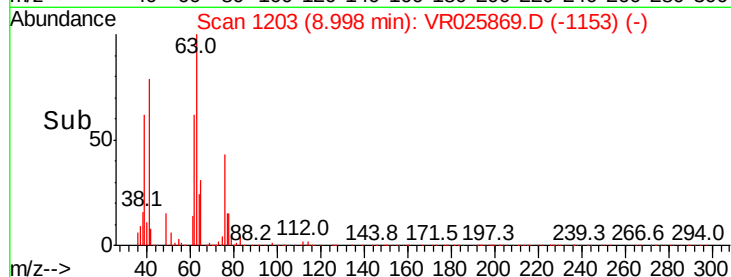
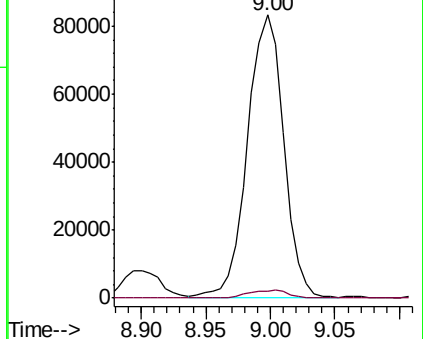
63 100

112 2.9 2.5 3.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 4.331 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

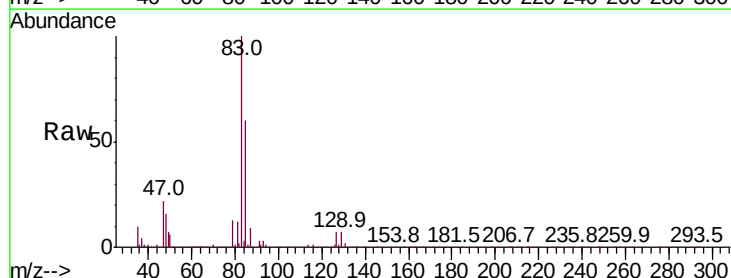
Tgt Ion: 83 Resp: 169902

Ion Ratio Lower Upper

83 100

85 60.1 42.8 79.4

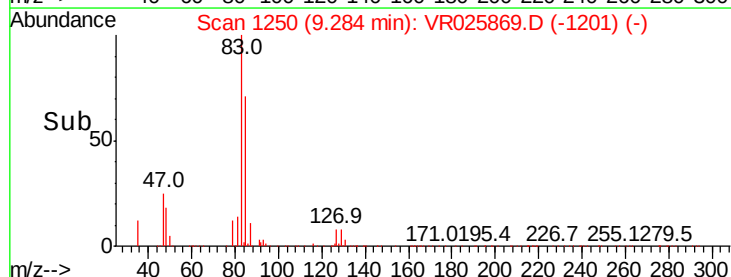
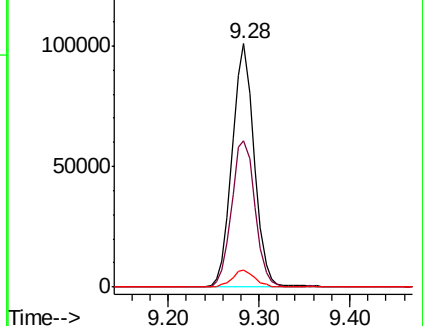
127 6.9 5.6 8.4

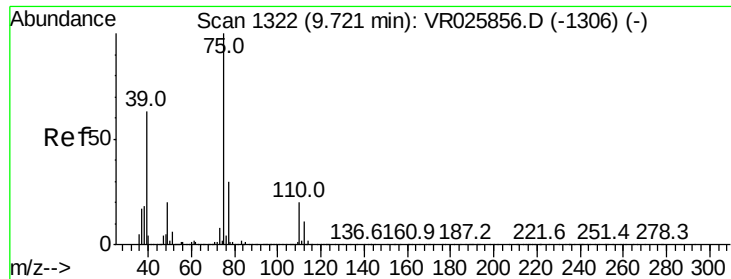


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): V



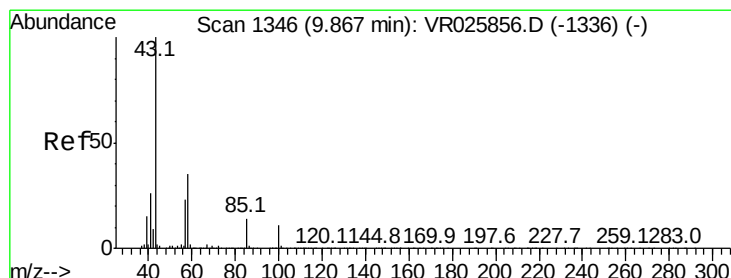
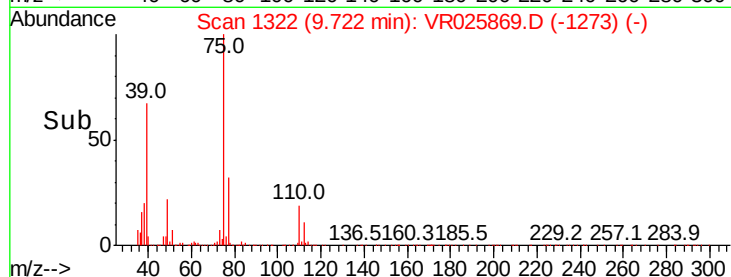
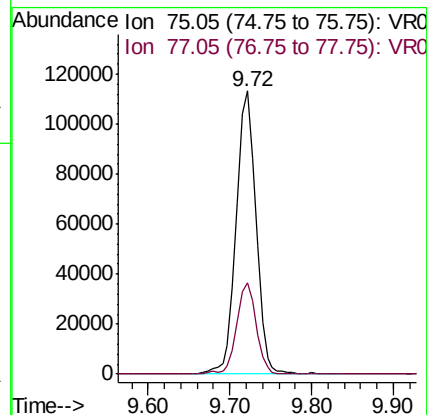
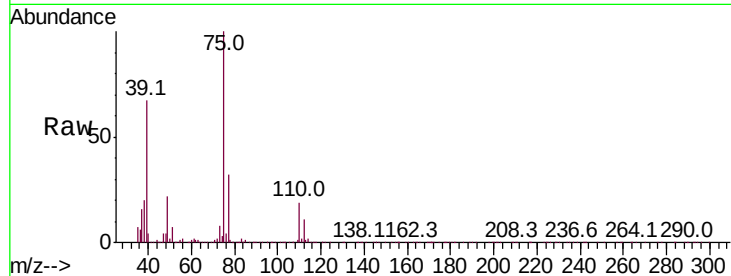


#39

cis-1,3-Dichloropropene
 Concen: 4.347 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Instrument :
 MSVOA_R
 ClientSampleId :

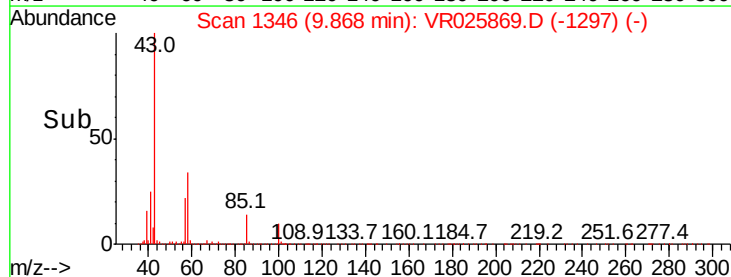
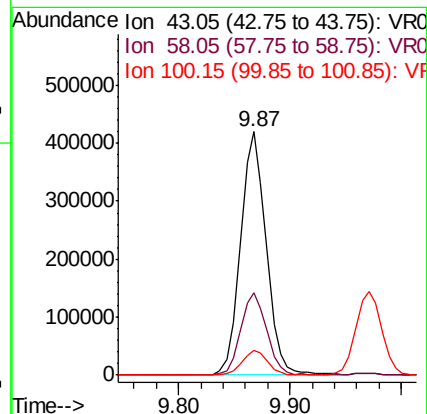
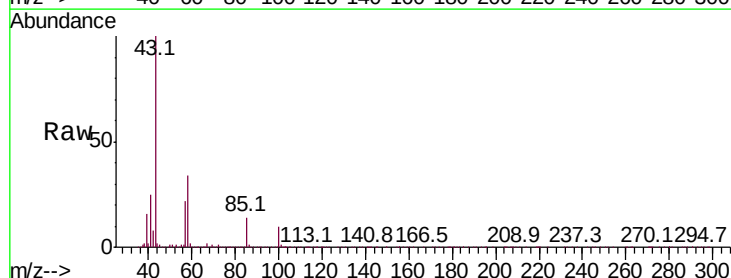
Tot Ion: 75 Resp: 189076
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.5 39.9

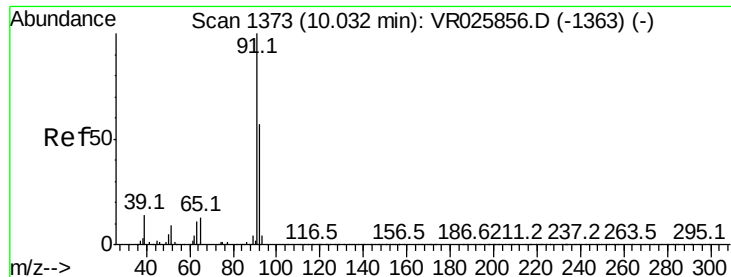


#40

4-Methyl-2-pentanone
 Concen: 53.984 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion: 43 Resp: 667809
 Ion Ratio Lower Upper
 43 100
 58 34.3 28.6 43.0
 100 10.0 9.0 13.4





#42

Toluene

Concen: 4.478 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

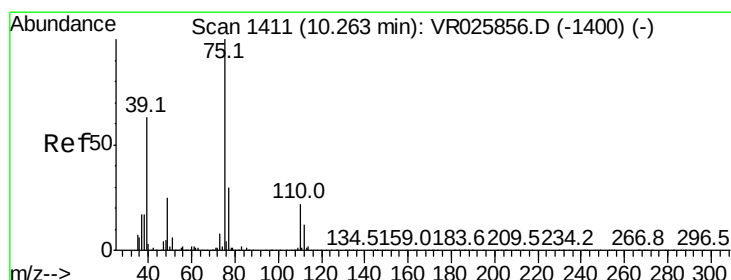
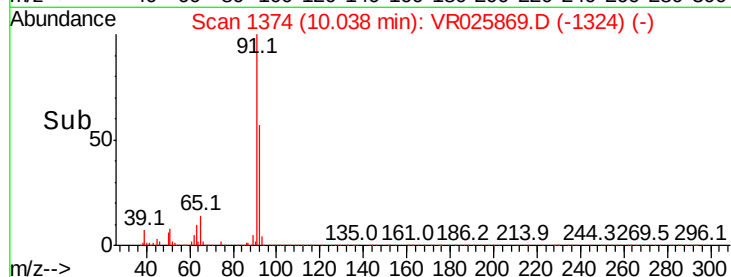
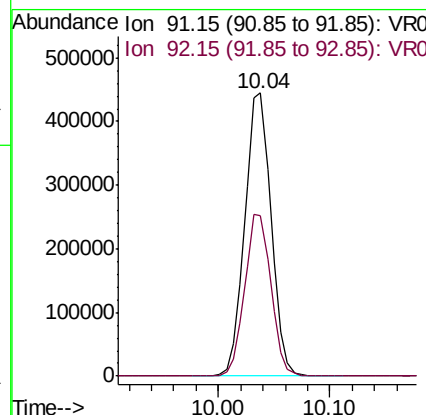
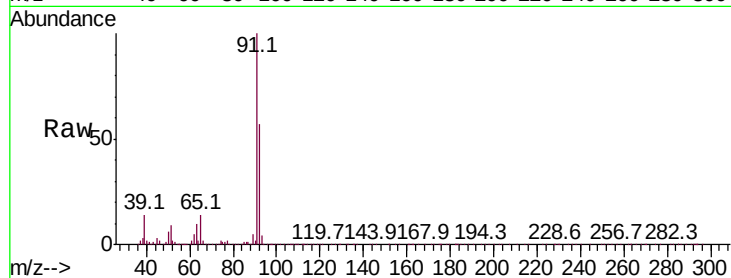
ClientSampleId :

Tot Ion: 91 Resp: 727315

Ion Ratio Lower Upper

91 100

92 56.7 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.220 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR025869.D

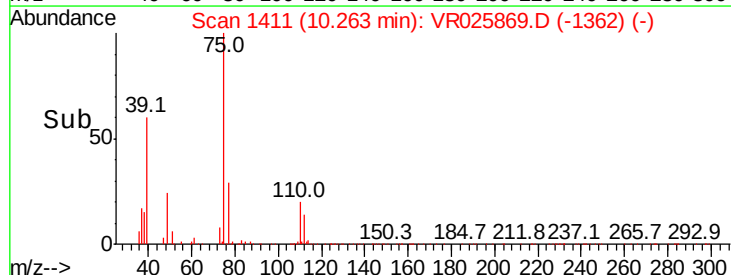
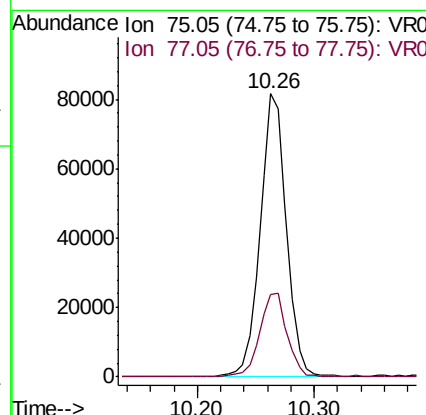
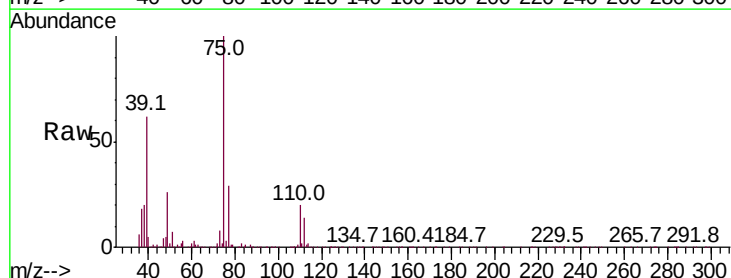
Acq: 26 Sep 2018 19:16

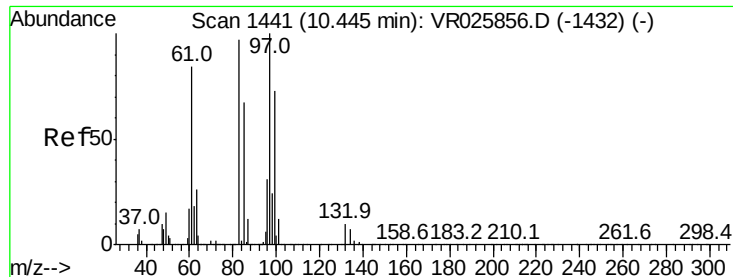
Tgt Ion: 75 Resp: 127201

Ion Ratio Lower Upper

75 100

77 28.9 23.0 42.8

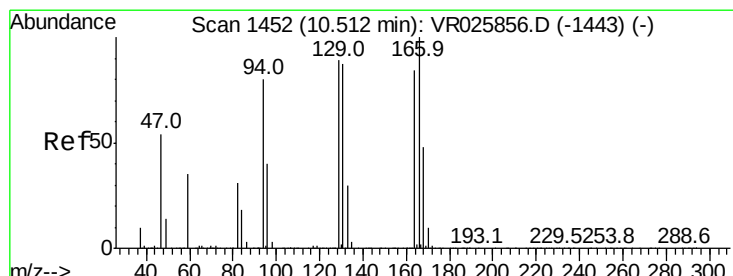
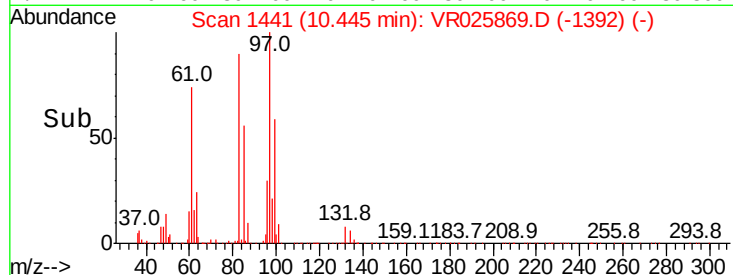
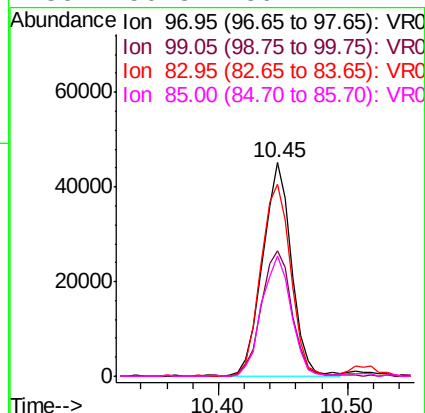
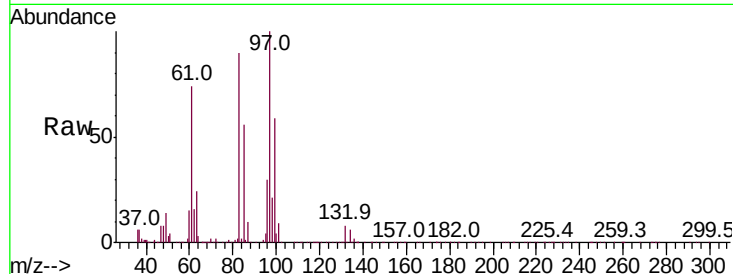




#45
 1,1,2-Trichloroethane
 Concen: 4.662 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

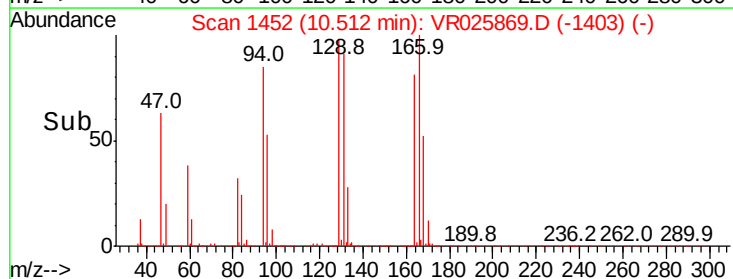
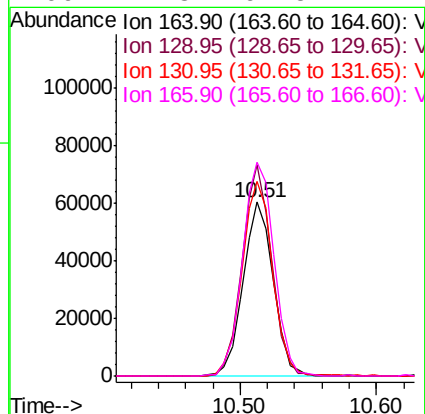
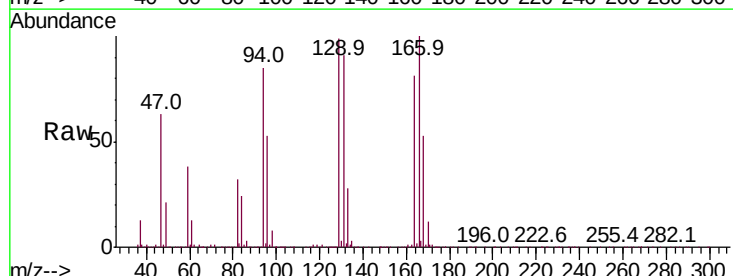
Instrument :
 MSVOA_R
 ClientSampleId :

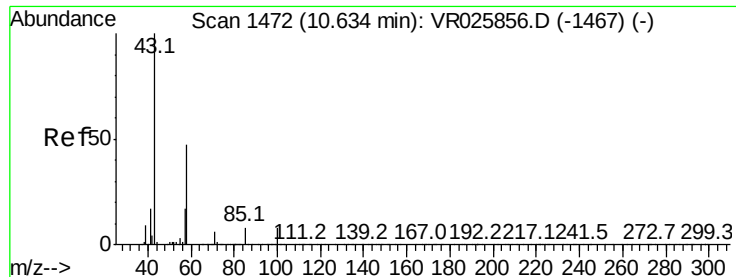
Tot Ion:	97	Resp:	69444
Ion	Ratio	Lower	Upper
97	100		
99	58.6	39.6	73.6
83	90.0	62.2	115.6
85	56.3	39.1	72.7



#47
 Tetrachloroethene
 Concen: 3.857 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion:	164	Resp:	93311
Ion	Ratio	Lower	Upper
164	100		
129	121.1	80.8	150.2
131	111.7	74.5	138.3
166	122.8	92.5	171.7

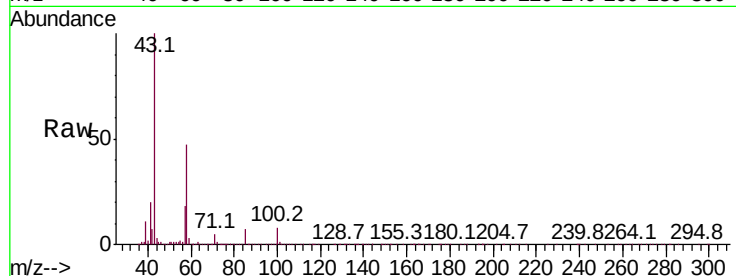




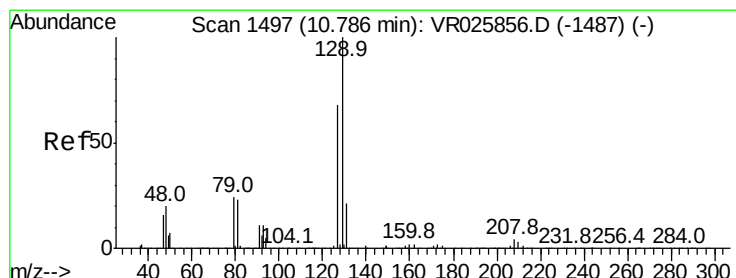
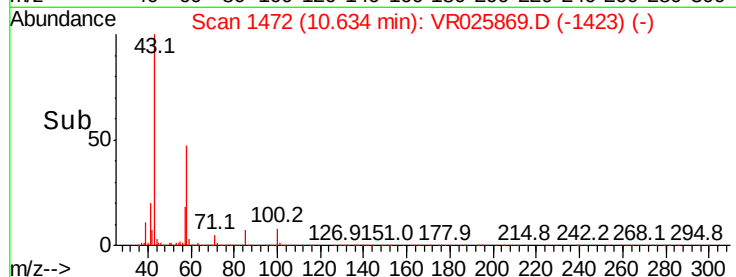
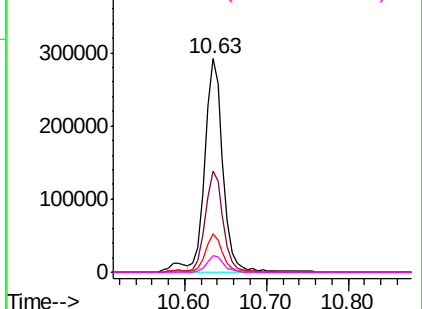
#48
2-Hexanone
Concen: 54.725 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	43	Resp:	445214
Ion	Ratio	Lower	Upper
43	100		
58	47.3	39.5	59.3
57	17.2	14.6	21.8
100	7.3	6.7	10.1

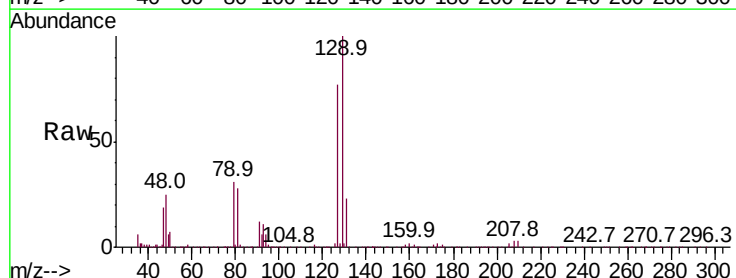


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

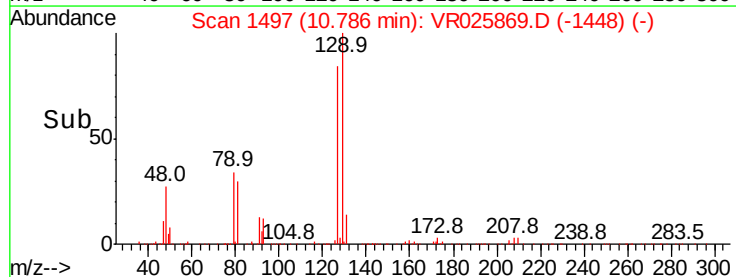
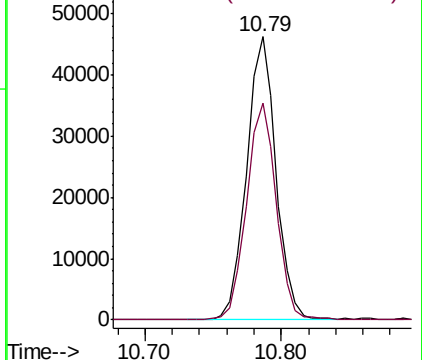


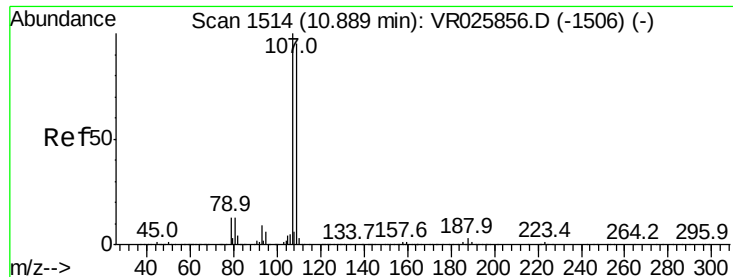
#49
Dibromochloromethane
Concen: 4.516 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Tgt Ion:	129	Resp:	70083
Ion	Ratio	Lower	Upper
129	100		
127	76.7	54.1	100.5



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

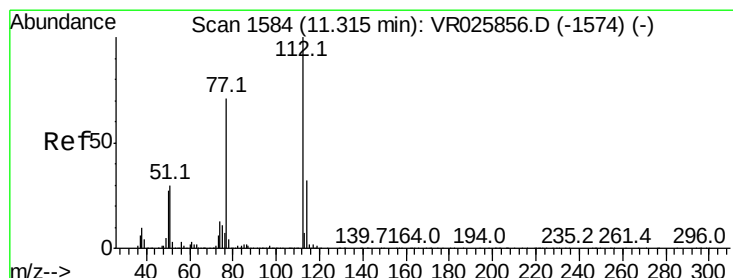
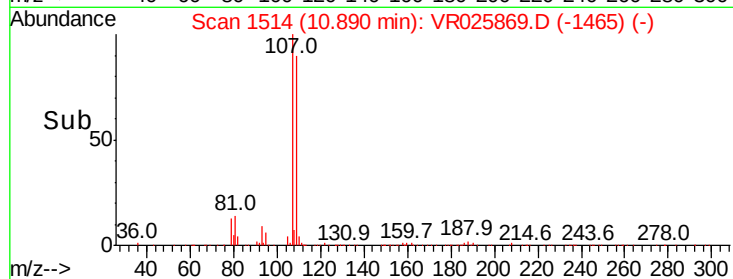
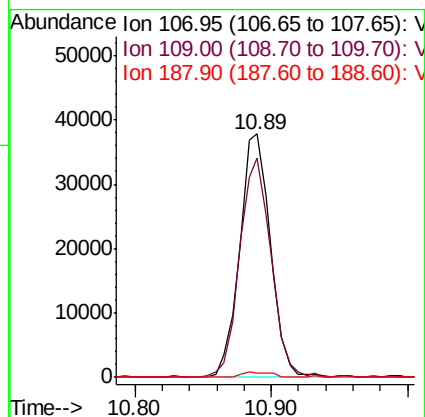
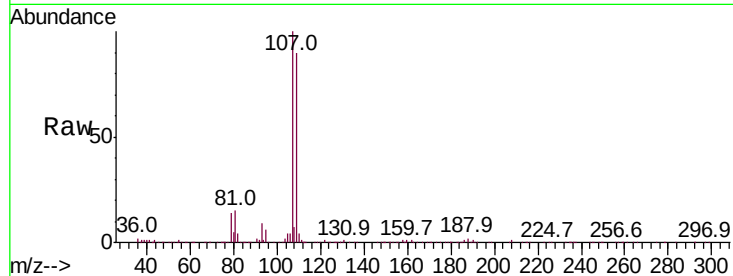




#50
 1,2-Dibromoethane
 Concen: 4.544 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

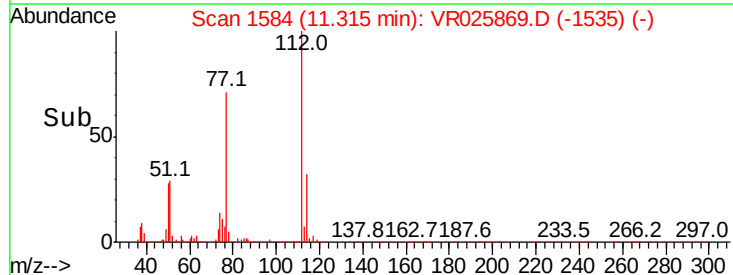
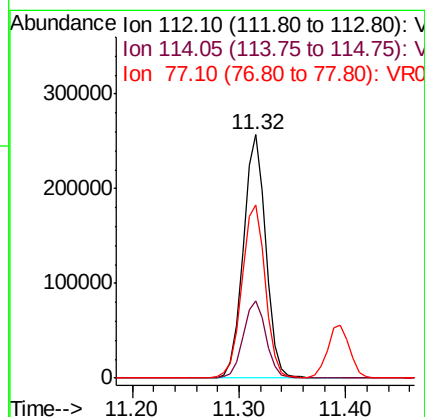
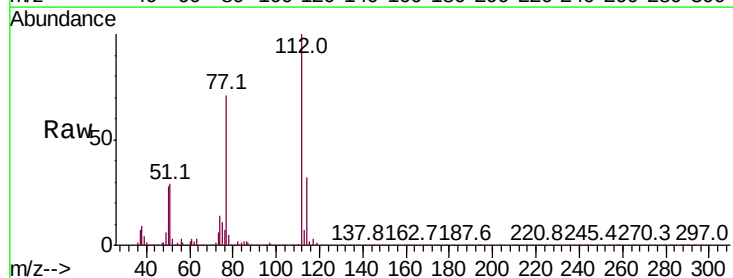
Instrument :
 MSVOA_R
 ClientSampleId :

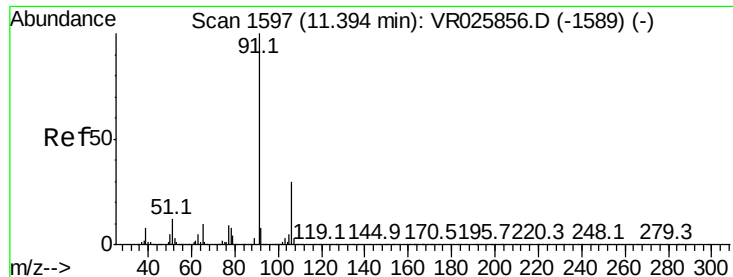
Tot Ion:107 Resp: 59572
 Ion Ratio Lower Upper
 107 100
 109 90.3 63.5 117.9
 188 1.8 1.7 2.5



#51
 Chlorobenzene
 Concen: 4.471 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion:112 Resp: 380977
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.7 42.3
 77 71.2 58.5 87.7





#52

Ethylbenzene

Concen: 4.579 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

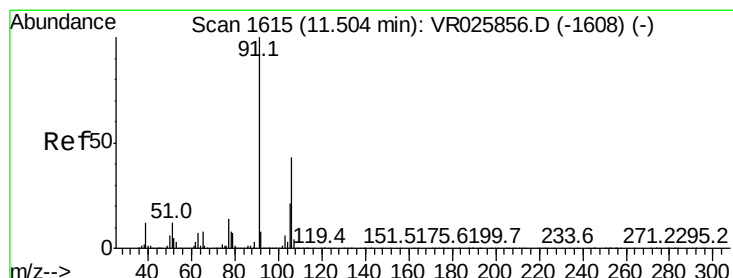
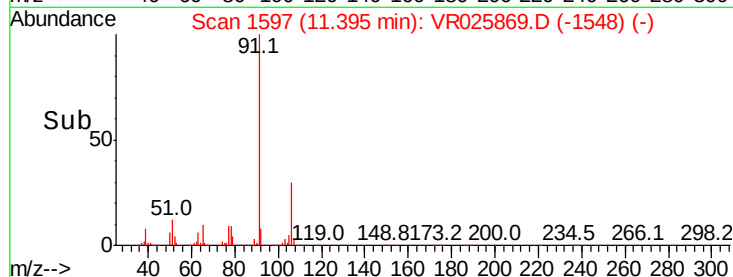
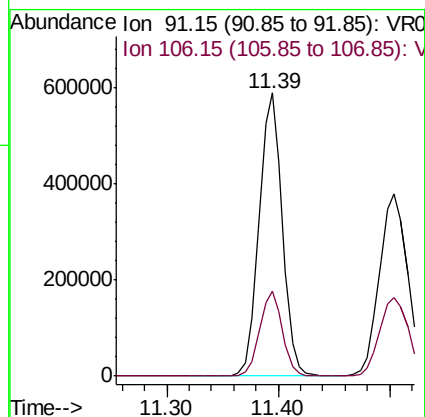
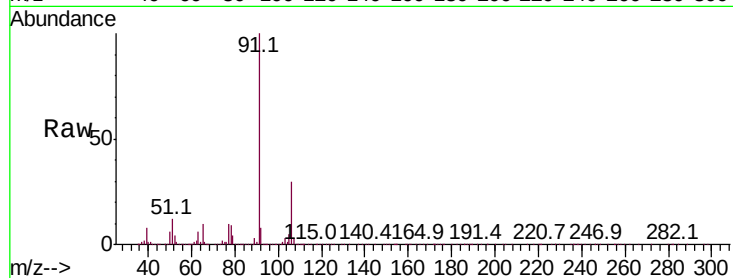
ClientSampleId :

Tot Ion: 91 Resp: 855768

Ion Ratio Lower Upper

91 100

106 30.2 20.6 38.4



#53

m,p-Xylene

Concen: 4.355 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR025869.D

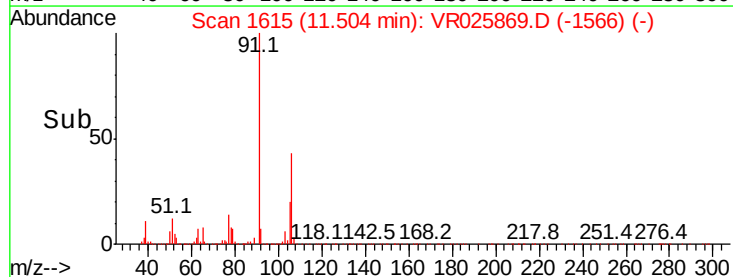
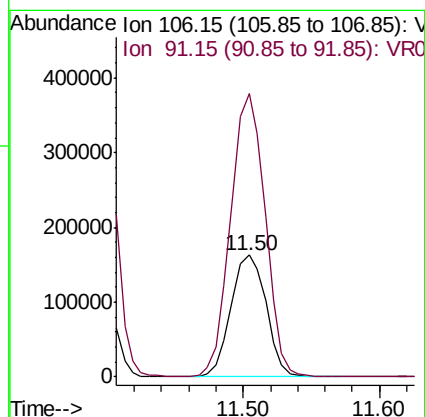
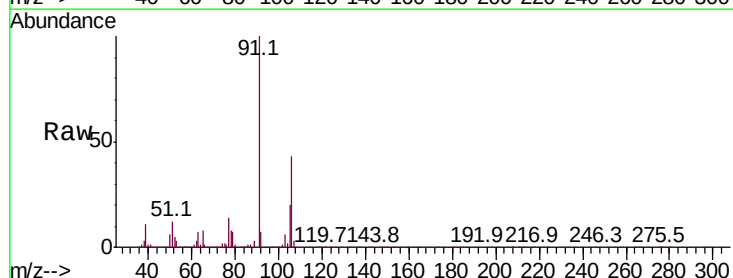
Acq: 26 Sep 2018 19:16

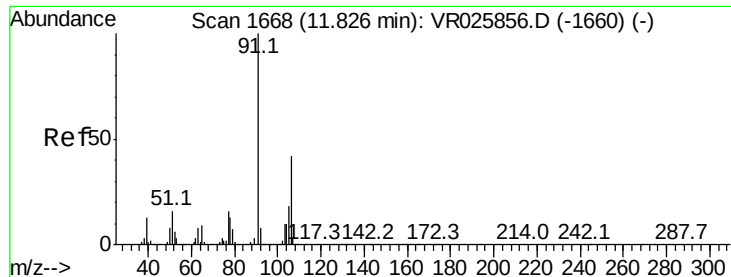
Tgt Ion: 106 Resp: 293482

Ion Ratio Lower Upper

106 100

91 232.2 159.7 296.5

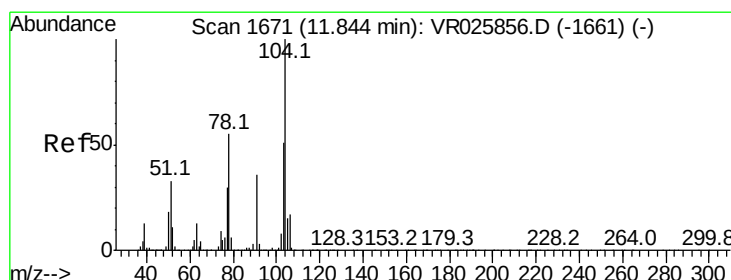
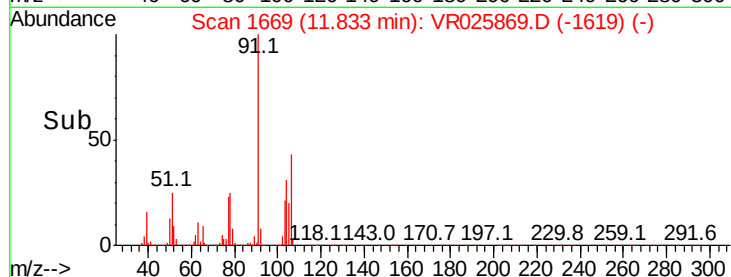
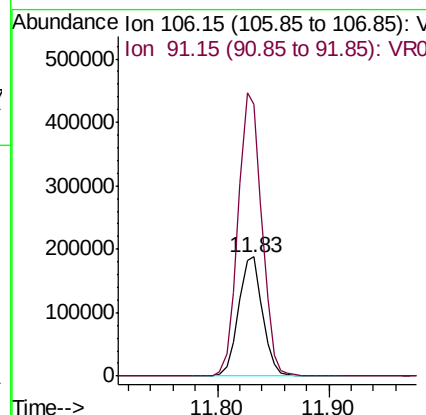
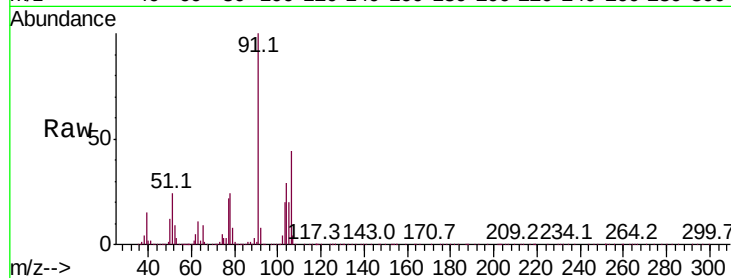




#54
o-Xylene
Concen: 4.525 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.01 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

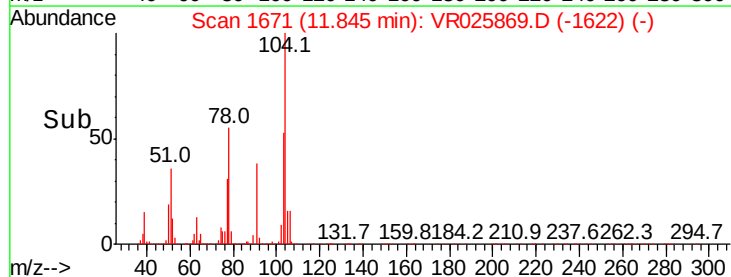
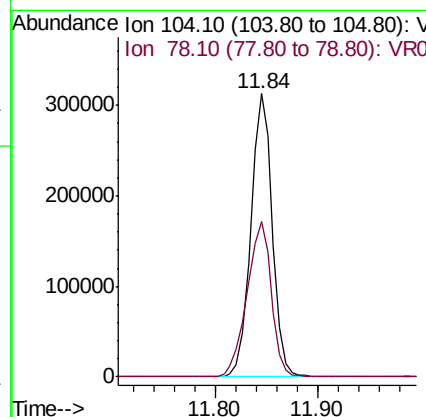
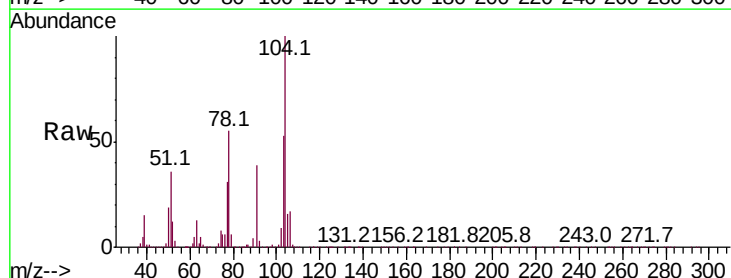
Instrument :
MSVOA_R
ClientSampled :

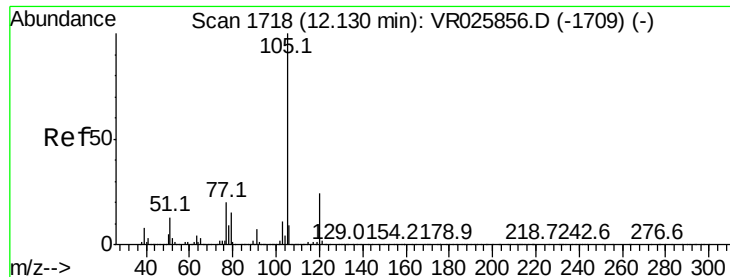
Tot Ion:106 Resp: 279218
Ion Ratio Lower Upper
106 100
91 229.0 164.5 305.5



#55
Styrene
Concen: 4.761 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR025869.D
Acq: 26 Sep 2018 19:16

Tgt Ion:104 Resp: 455168
Ion Ratio Lower Upper
104 100
78 54.7 39.3 72.9





#56

Isopropylbenzene

Concen: 4.603 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

ClientSampleId :

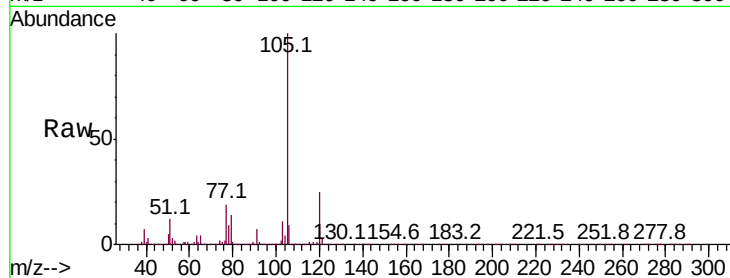
Tot Ion:105 Resp: 794900

Ion Ratio Lower Upper

105 100

120 24.4 19.8 29.8

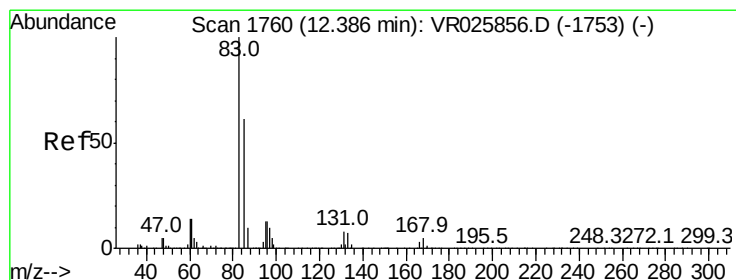
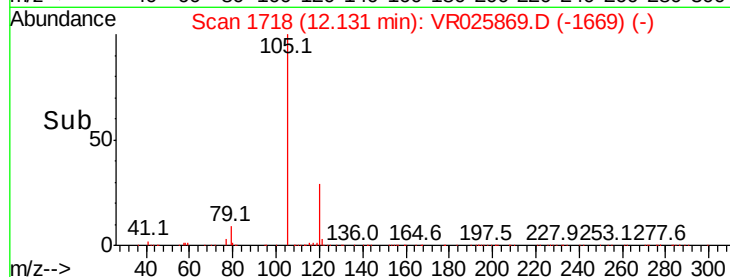
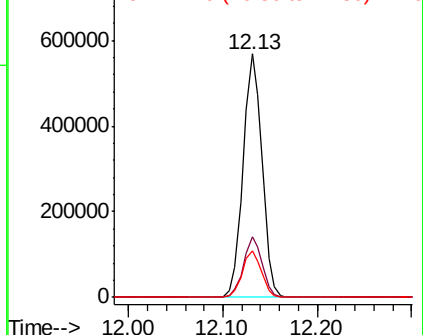
77 19.2 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.104 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

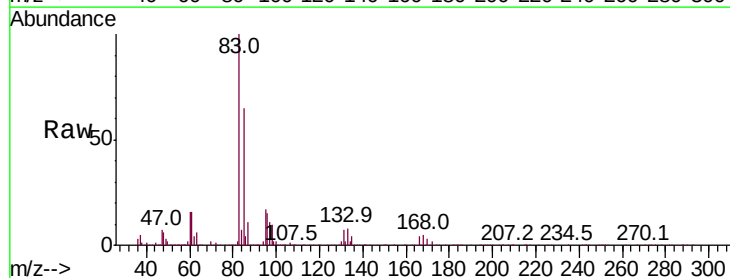
Tgt Ion: 83 Resp: 74609

Ion Ratio Lower Upper

83 100

85 64.6 45.8 85.0

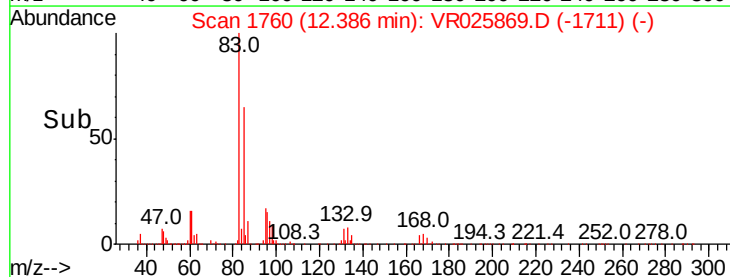
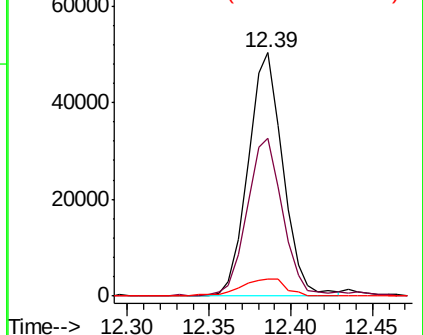
131 6.9 6.6 9.8

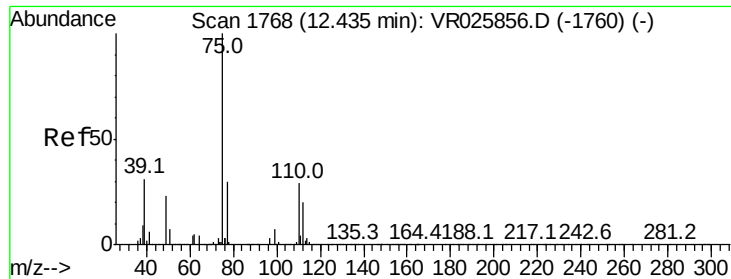


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.777 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

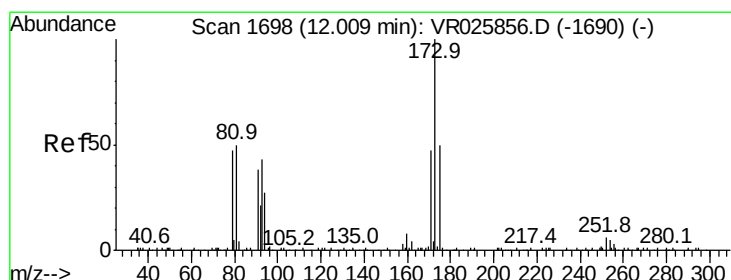
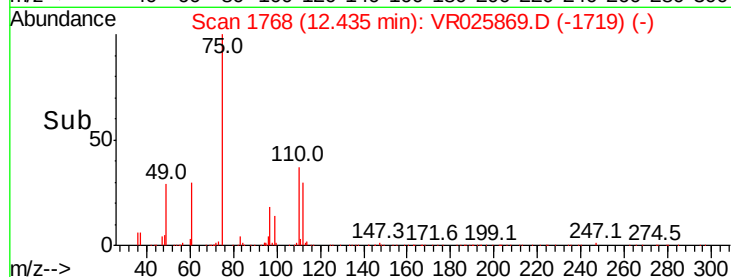
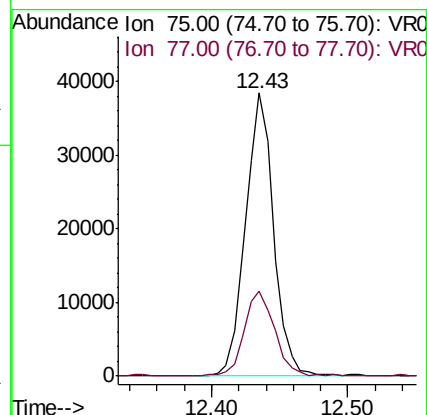
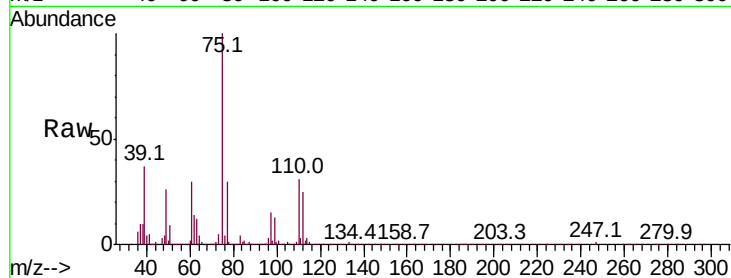
ClientSampled :

Tot Ion: 75 Resp: 55439

Ion Ratio Lower Upper

75 100

77 33.1 25.8 38.6



#61

Bromoform

Concen: 4.007 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

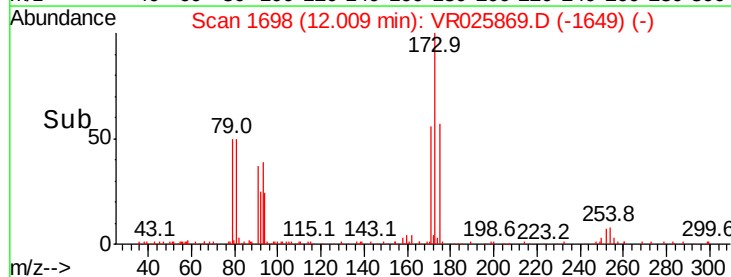
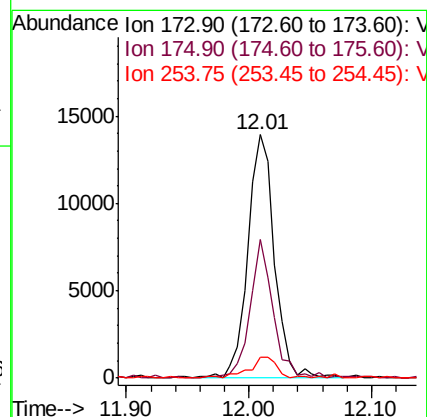
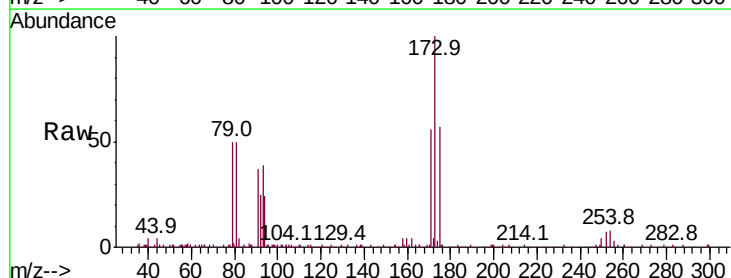
Tgt Ion: 173 Resp: 20989

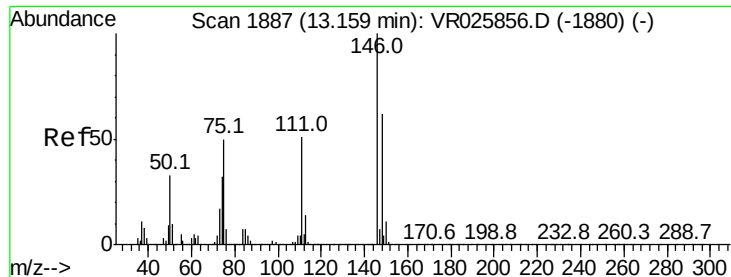
Ion Ratio Lower Upper

173 100

175 49.7 36.9 55.3

254 9.2 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.300 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

ClientSampleId :

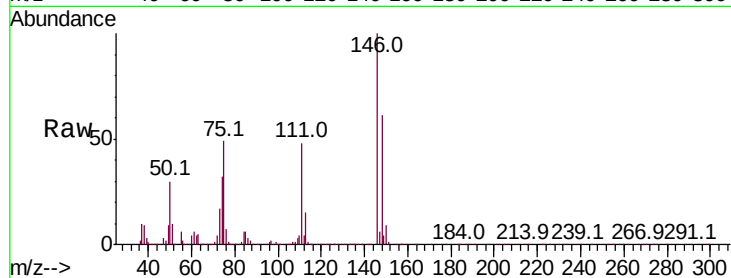
Tot Ion:146 Resp: 223399

Ion Ratio Lower Upper

146 100

111 48.0 36.6 68.0

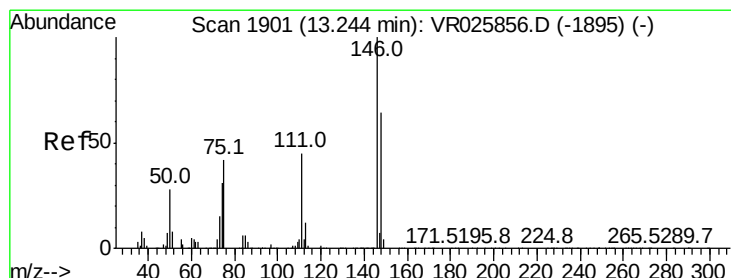
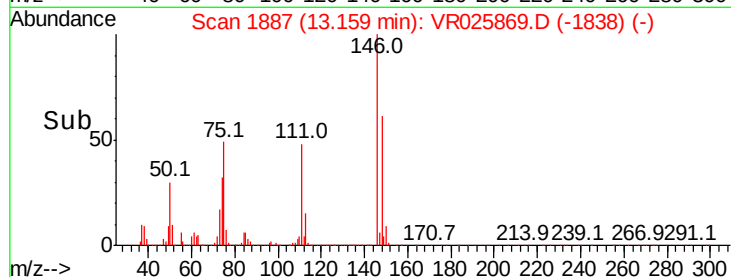
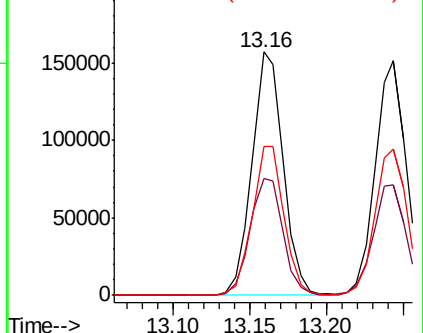
148 61.0 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.255 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

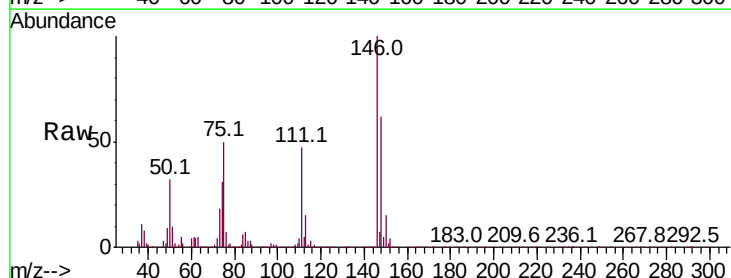
Tgt Ion:146 Resp: 213339

Ion Ratio Lower Upper

146 100

111 47.0 32.9 61.1

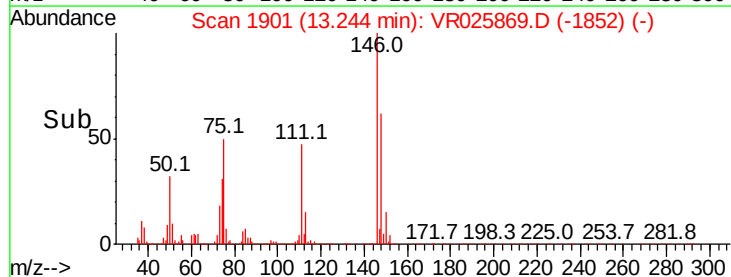
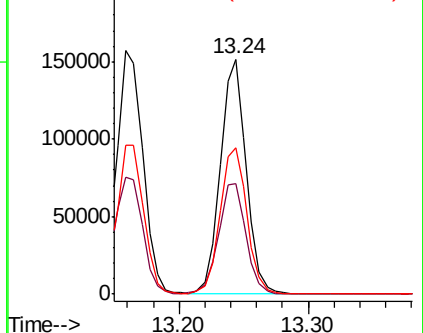
148 62.4 45.5 84.5

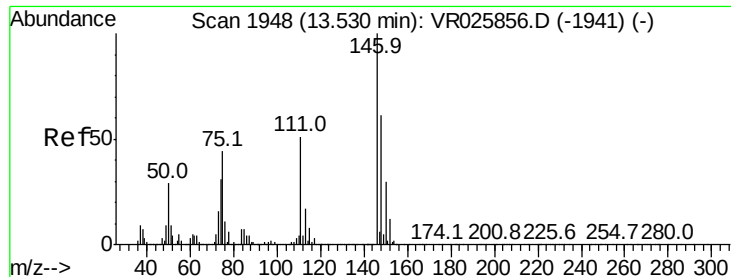


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

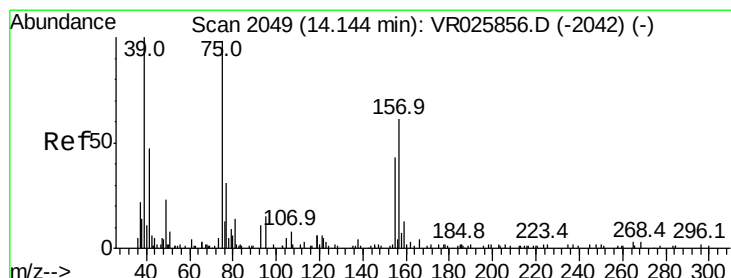
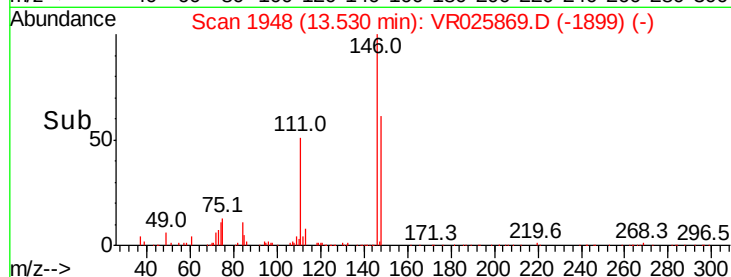
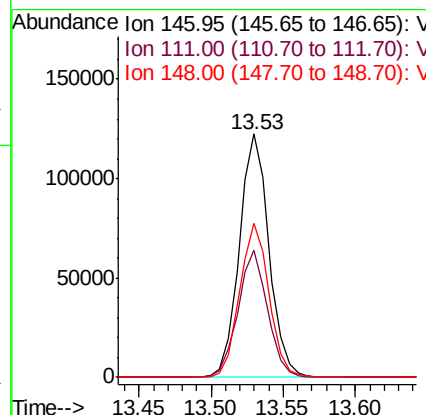
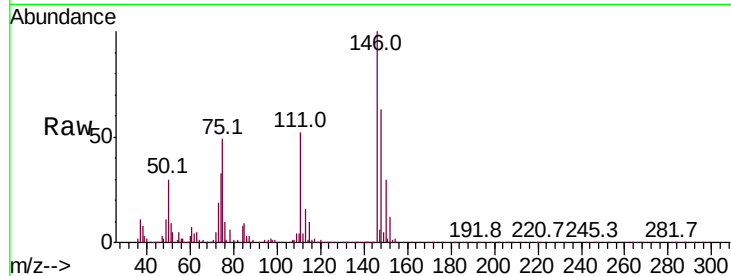




#65
 1,2-Dichlorobenzene
 Concen: 4.414 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

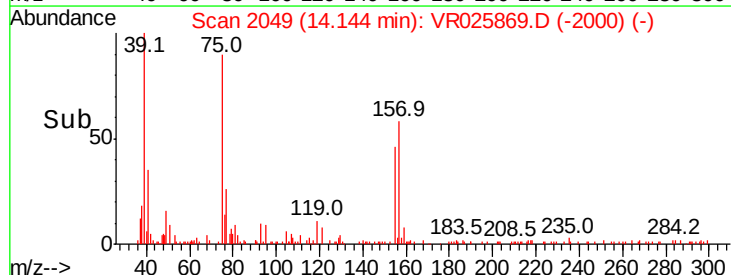
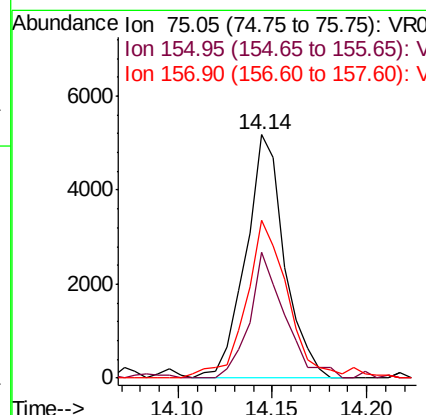
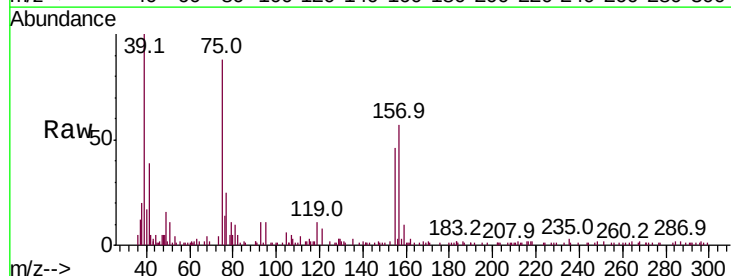
Instrument :
 MSVOA_R
 ClientSampleId :

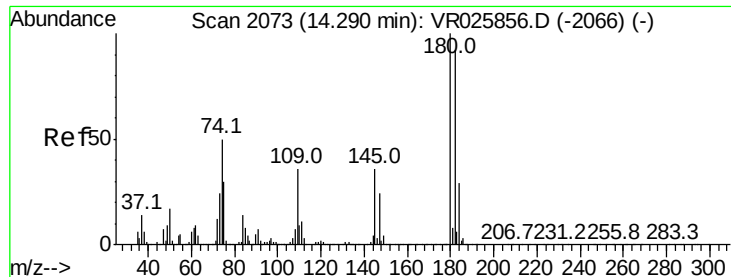
Tot Ion	Ratio	Lower	Upper
146	100		
111	52.0	39.4	59.0
148	63.5	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.071 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.7	37.8	56.6
157	65.0	49.7	74.5

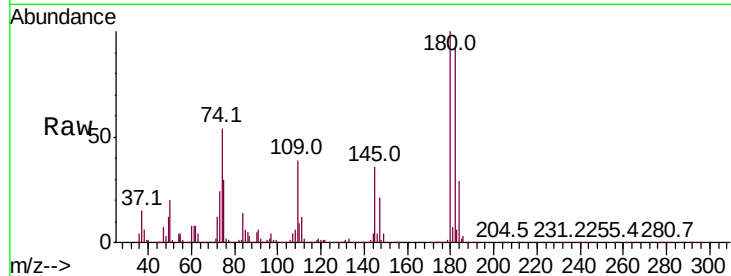




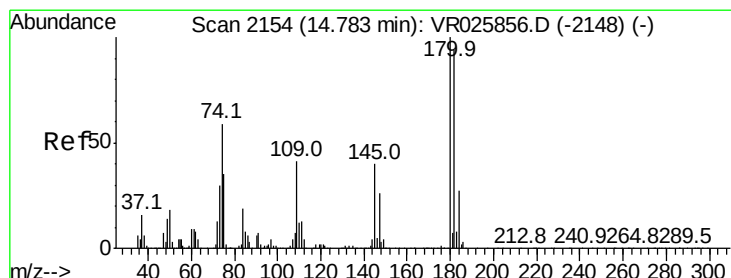
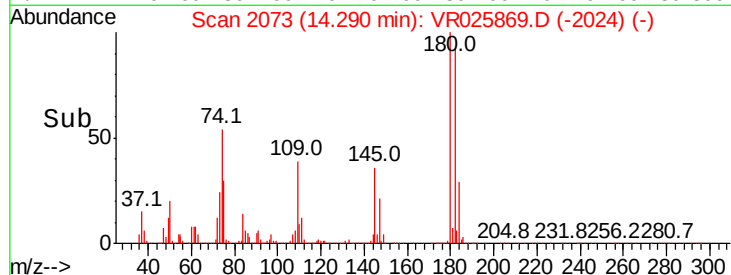
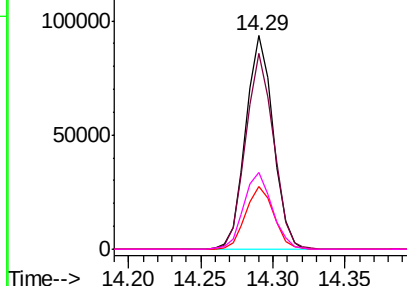
#67
 1,3,5-Trichlorobenzene
 Concen: 4.209 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:180	Resp:	123335
Ion Ratio	Lower	Upper
180	100	
182	93.0	77.2 115.8
184	29.8	24.5 36.7
145	37.2	31.1 46.7

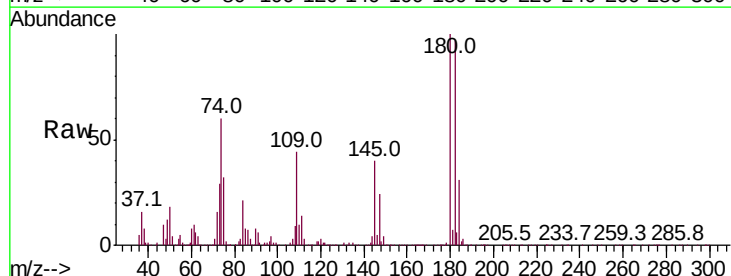


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

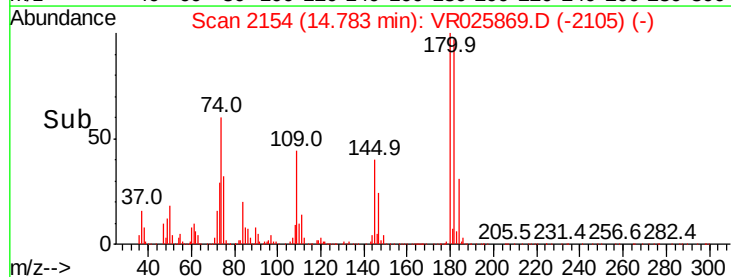
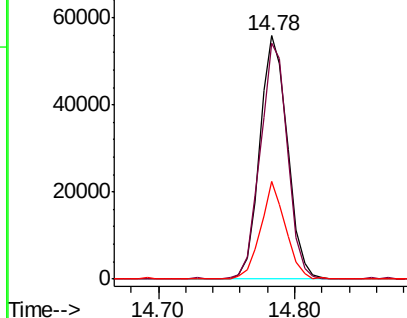


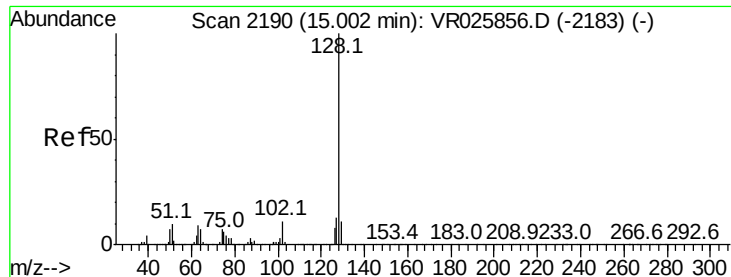
#68
 1,2,4-trichlorobenzene
 Concen: 4.285 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR025869.D
 Acq: 26 Sep 2018 19:16

Tgt Ion:180	Resp:	79896
Ion Ratio	Lower	Upper
180	100	
182	95.1	75.2 112.8
145	36.4	30.5 45.7



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





#69

Naphthalene

Concen: 4.516 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

Instrument :

MSVOA_R

ClientSampled :

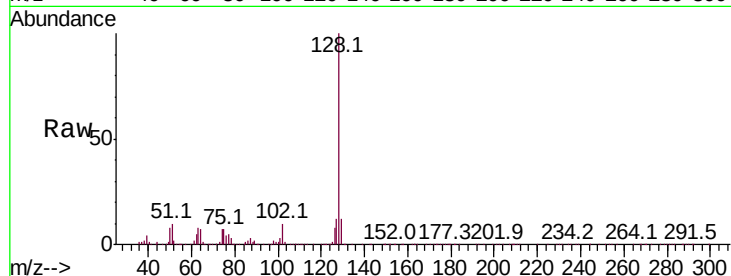
Tot Ion:128 Resp: 122530

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

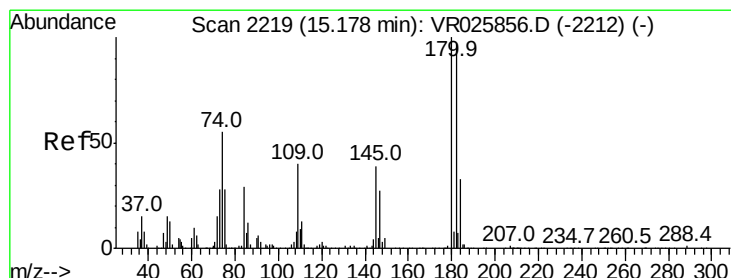
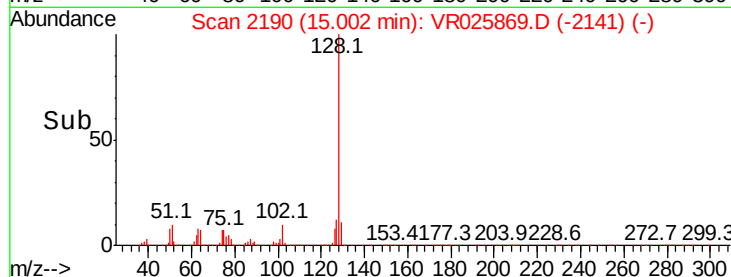
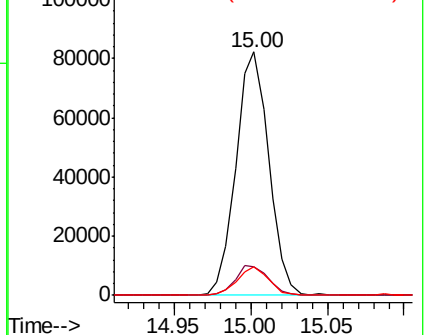
129 11.3 9.4 14.2



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: 4.459 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR025869.D

Acq: 26 Sep 2018 19:16

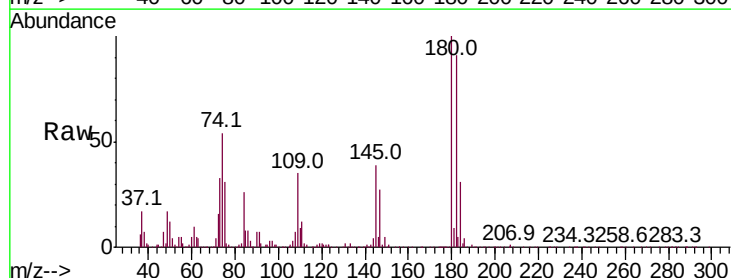
Tgt Ion:180 Resp: 59056

Ion Ratio Lower Upper

180 100

182 93.7 74.7 112.1

145 37.7 31.3 46.9



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

