

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR040419\
 Data File : VR026440.D
 Acq On : 4 Apr 2019 11:28
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Apr 05 05:41:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Apr 04 06:00:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	481548	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	408330	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	160613	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	190030	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	2.63	69	159278	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	3.61	63	508861	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.60%
20) 2-Butanone-d5	6.59	46	167335	51.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.60%
24) Chloroform-d	7.20	84	366900	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	7.89	65	147147	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	7.85	84	671899	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	8.89	67	171149	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	9.96	98	646035	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
43) trans-1,3-Dichloropropene-	10.23	79	44484	4.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.20%
46) 2-Hexanone-d5	10.59	63	145302	60.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65712	4.98	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	126306	5.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.82	85	230351	4.667 ug/L	99
3) Chloromethane	2.01	50	265429	5.099 ug/L	98
5) Vinyl chloride	2.15	62	254466	4.975 ug/L	94
6) Bromomethane	2.52	94	151769	5.074 ug/L	92
8) Chloroethane	2.66	64	151232	5.215 ug/L	99
9) Trichlorofluoromethane	2.93	101	378684	5.348 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	201543	5.158 ug/L	99
12) 1,1-Dichloroethene	3.62	96	214223	5.016 ug/L	87
13) Acetone	3.69	43	165153	50.099 ug/L	100
14) Carbon disulfide	3.92	76	638876	5.154 ug/L	99
15) Methyl Acetate	4.19	43	46881	5.271 ug/L	99
16) Methylene chloride	4.40	84	191931	5.055 ug/L	88
17) Methyl tert-butyl Ether	4.88	73	224965	4.631 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	200527	4.977 ug/L	92
19) 1,1-Dichloroethane	5.69	63	363867	4.860 ug/L	96
21) 2-Butanone	6.69	43	223618	52.760 ug/L	98
22) cis-1,2-Dichloroethene	6.67	96	176420	5.264 ug/L #	88

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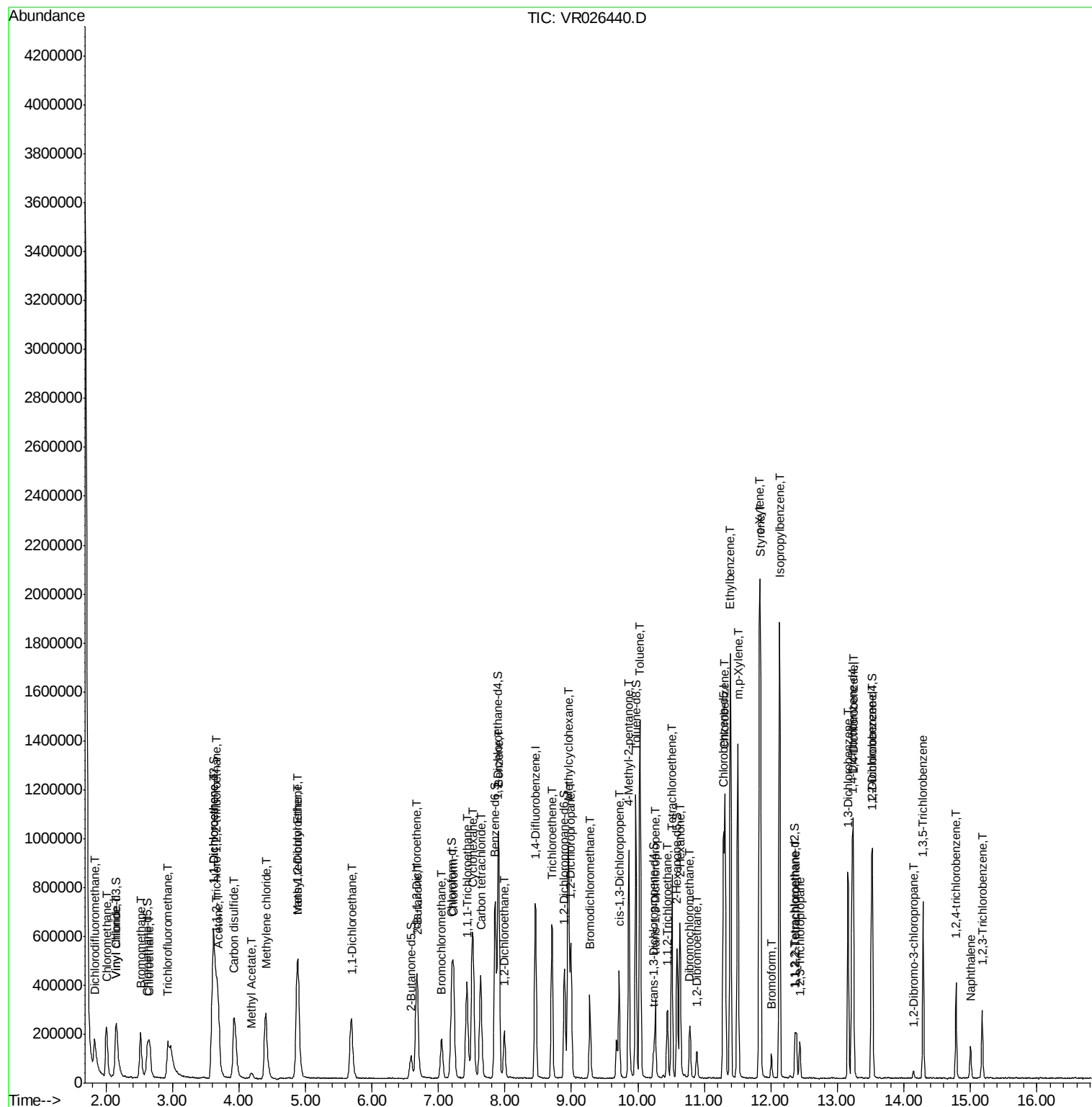
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	50458	4.832	ug/L	95
25) Chloroform	7.23	83	350914	4.899	ug/L	100
27) 1,2-Dichloroethane	7.99	62	179519	5.025	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	315685	4.684	ug/L	96
30) Cyclohexane	7.51	56	338597	5.407	ug/L	99
31) Carbon tetrachloride	7.63	117	314118	4.920	ug/L	98
33) Benzene	7.90	78	798280	5.003	ug/L	100
34) Trichloroethene	8.71	95	206216	4.824	ug/L	97
35) Methylcyclohexane	8.95	83	327716	5.376	ug/L	98
37) 1,2-Dichloropropane	8.99	63	168588	4.821	ug/L	99
38) Bromodichloromethane	9.28	83	201376	4.983	ug/L #	96
39) cis-1,3-Dichloropropene	9.72	75	196635	5.180	ug/L	99
40) 4-Methyl-2-pentanone	9.86	43	568555	55.484	ug/L	99
42) Toluene	10.03	91	873730	5.343	ug/L	95
44) trans-1,3-Dichloropropene	10.26	75	144424	5.216	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	69752	4.931	ug/L	92
47) Tetrachloroethene	10.51	164	149530	4.916	ug/L	94
48) 2-Hexanone	10.63	43	401246	58.870	ug/L	97
49) Dibromochloromethane	10.79	129	92637	4.999	ug/L	98
50) 1,2-Dibromoethane	10.88	107	60628	4.983	ug/L	92
51) Chlorobenzene	11.32	112	450508	4.909	ug/L	100
52) Ethylbenzene	11.39	91	1016883	5.398	ug/L	99
53) m,p-Xylene	11.50	106	356444	5.279	ug/L	96
54) o-Xylene	11.83	106	328692	5.540	ug/L	99
55) Styrene	11.84	104	516510	5.515	ug/L	95
56) Isopropylbenzene	12.13	105	952250	5.655	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	67764	4.933	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	51403	4.878	ug/L	98
61) Bromoform	12.01	173	36866	5.144	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	257289	4.998	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	284970	4.931	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	221277	5.182	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	7409	4.514	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	161965	4.815	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	86928	4.651	ug/L	95
69) Naphthalene	15.00	128	81811	4.654	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	66192	5.109	ug/L	96

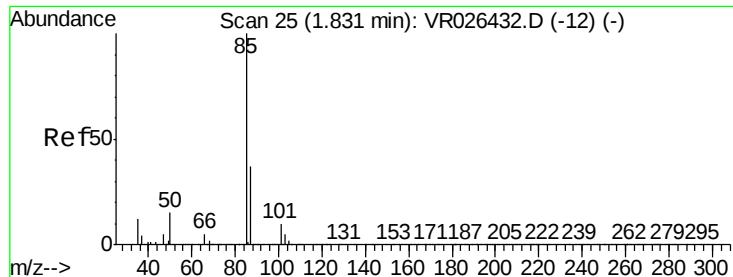
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.667 ug/L

RT: 1.82 min Scan# 24

Delta R.T. -0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

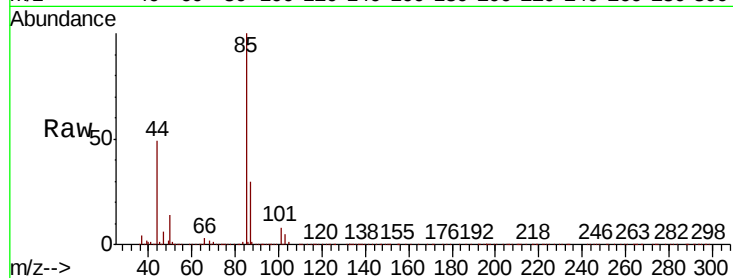
ClientSampleId :

Tot Ion: 85 Resp: 230351

Ion Ratio Lower Upper

85 100

87 31.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

1.82

80000

60000

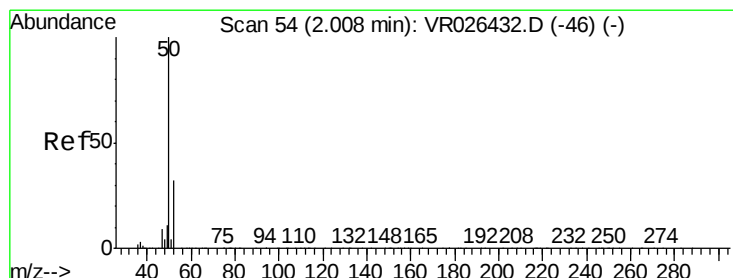
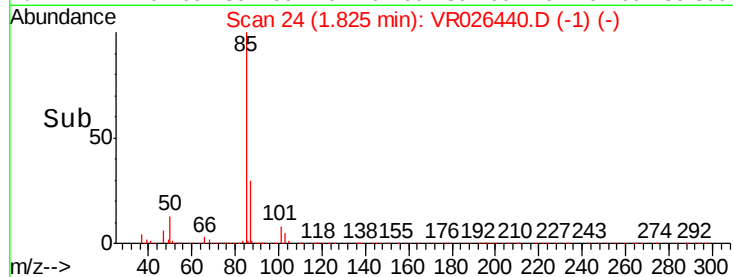
40000

20000

0

Time-->

1.70 1.80 1.90 2.00



#3

Chloromethane

Concen: 5.099 ug/L

RT: 2.01 min Scan# 54

Delta R.T. -0.00 min

Lab File: VR026440.D

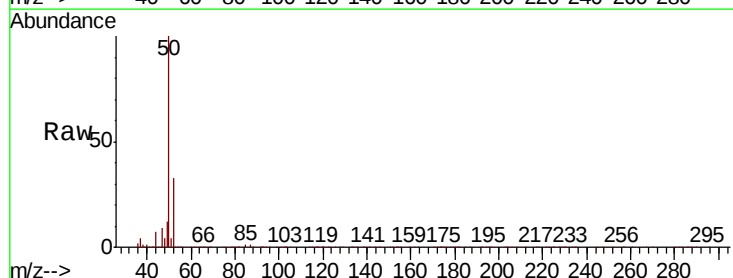
Acq: 4 Apr 2019 11:28

Tgt Ion: 50 Resp: 265429

Ion Ratio Lower Upper

50 100

52 33.3 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

2.01

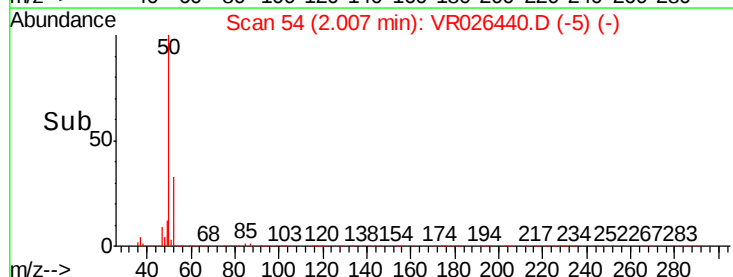
100000

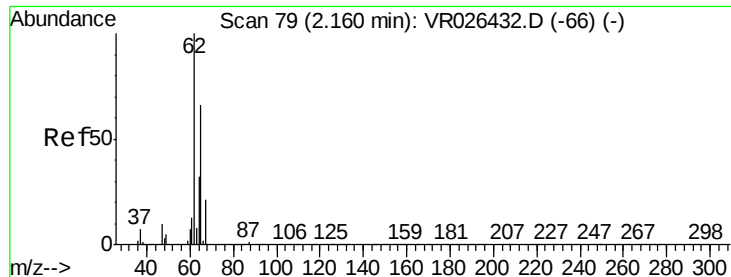
50000

0

Time-->

1.90 2.00 2.10





#5

Vinyl chloride

Concen: 4.975 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

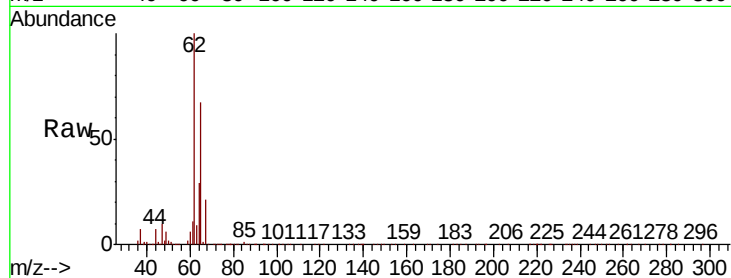
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 62 Resp: 254466

Ion Ratio Lower Upper

62 100

64 28.7 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.15

80000

60000

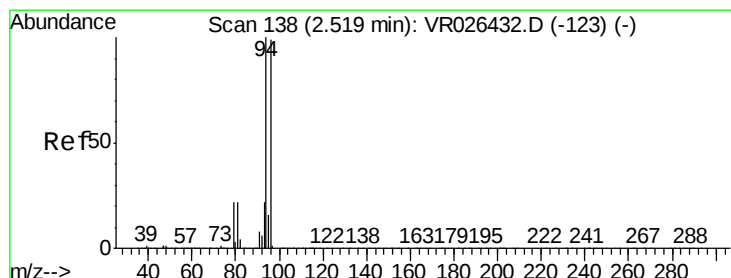
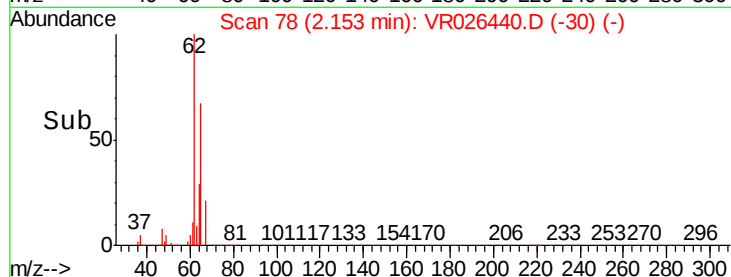
40000

20000

0

Time-->

2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 5.074 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR026440.D

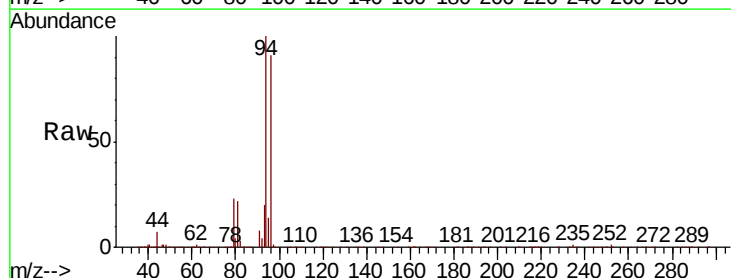
Acq: 4 Apr 2019 11:28

Tgt Ion: 94 Resp: 151769

Ion Ratio Lower Upper

94 100

96 90.7 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

2.52

60000

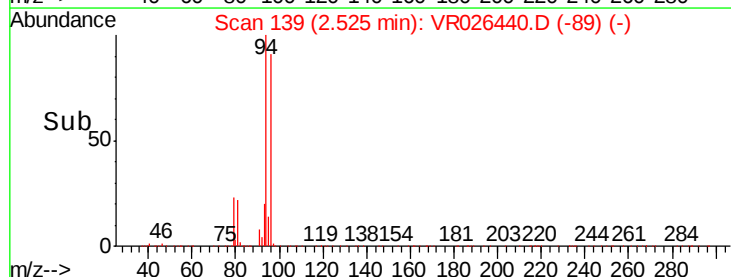
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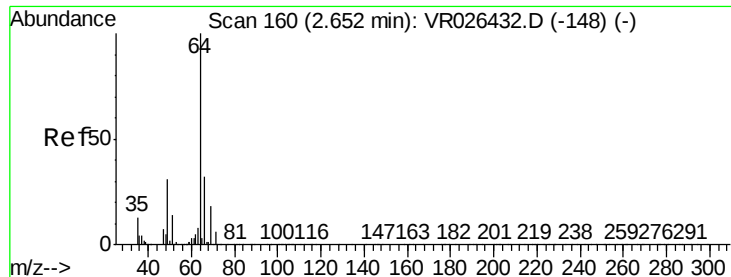
20000

0

Time-->

2.40 2.50 2.60 2.70





#8

Chloroethane

Concen: 5.215 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

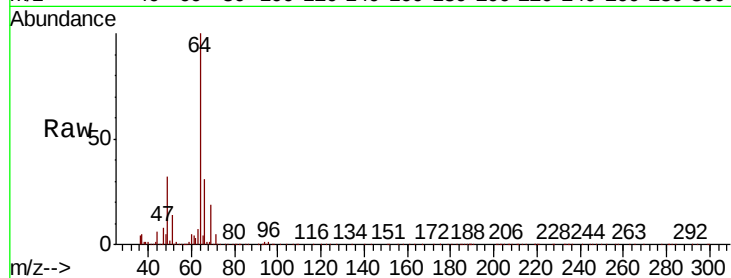
ClientSampled :

Tot Ion: 64 Resp: 151232

Ion Ratio Lower Upper

64 100

66 31.5 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

60000

50000

40000

30000

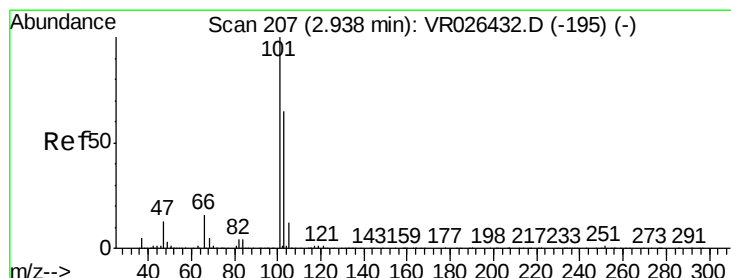
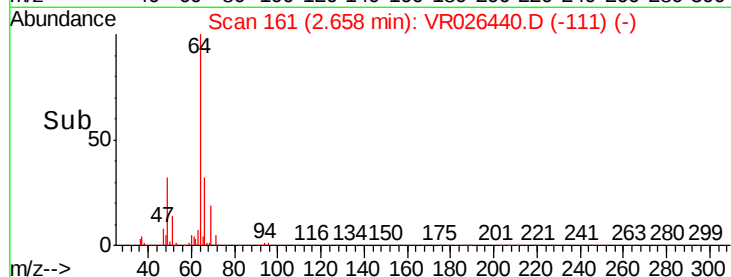
20000

10000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 5.348 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.01 min

Lab File: VR026440.D

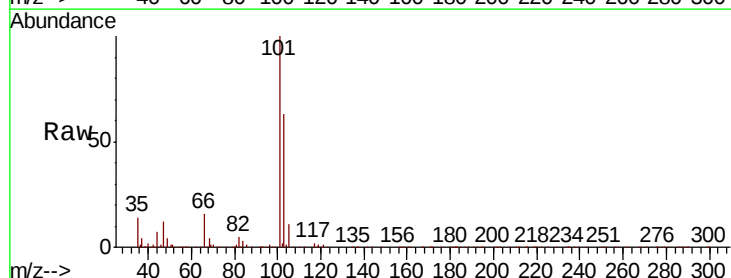
Acq: 4 Apr 2019 11:28

Tgt Ion:101 Resp: 378684

Ion Ratio Lower Upper

101 100

103 62.8 48.2 72.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

60000

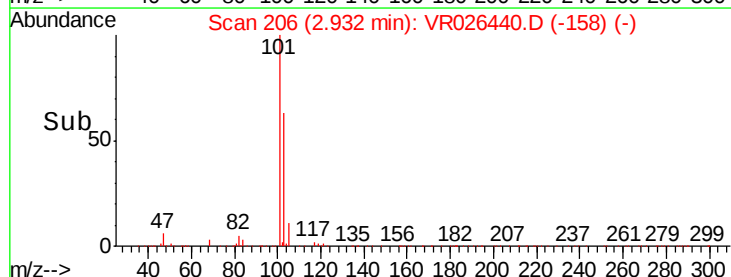
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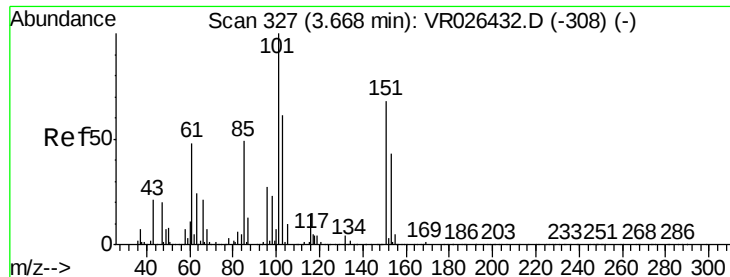
20000

0

Time-->

2.80 2.90 3.00 3.10 3.20





#10

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

Concen: 5.158 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampleId :

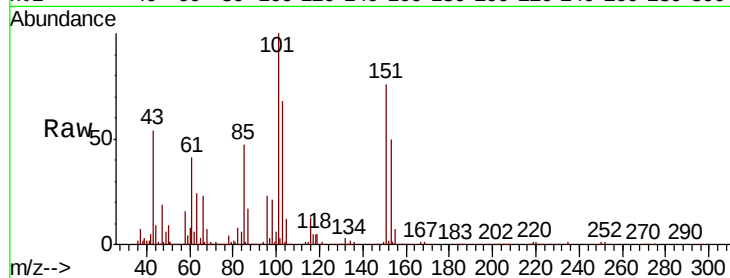
Tot Ion:101 Resp: 201543

Ion Ratio Lower Upper

101 100

85 49.8 39.2 58.8

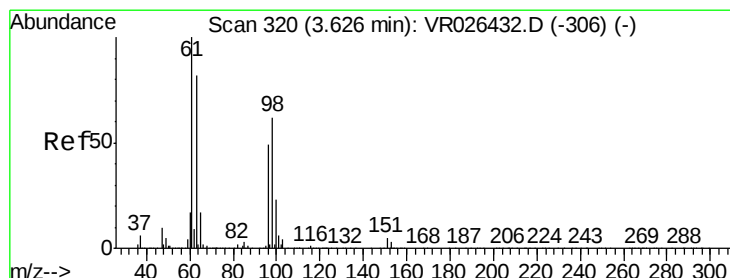
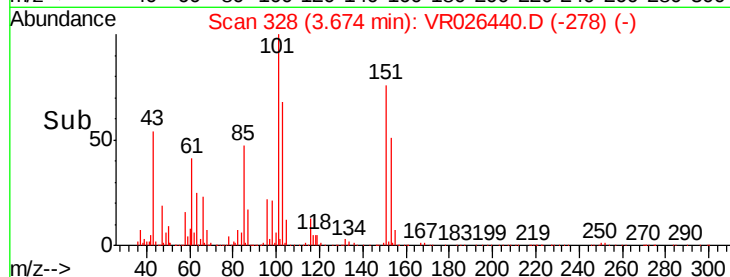
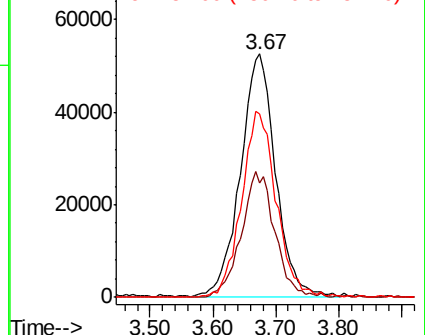
151 75.7 59.7 89.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.016 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

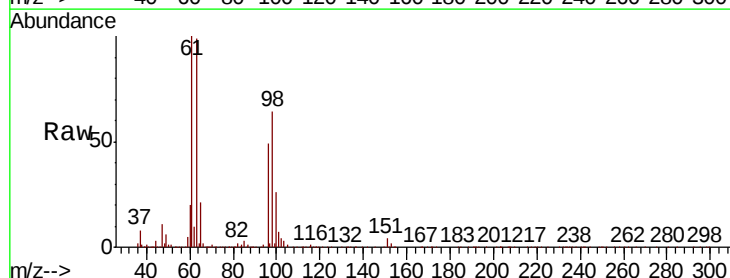
Tgt Ion: 96 Resp: 214223

Ion Ratio Lower Upper

96 100

61 205.4 142.7 264.9

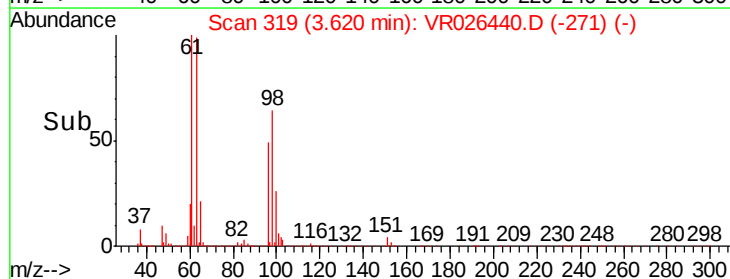
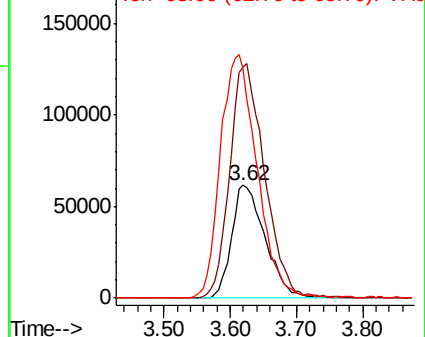
63 203.7 116.9 217.1

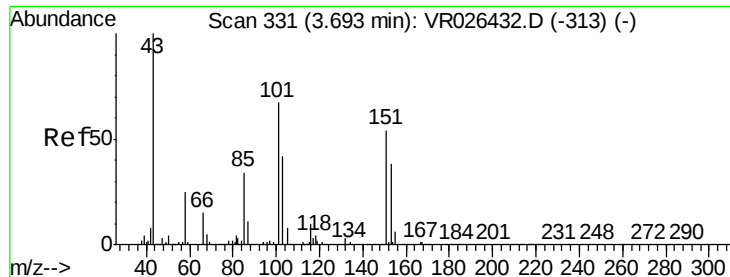


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 50.099 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

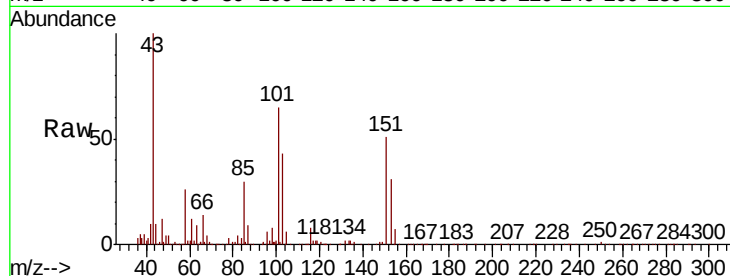
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 165153

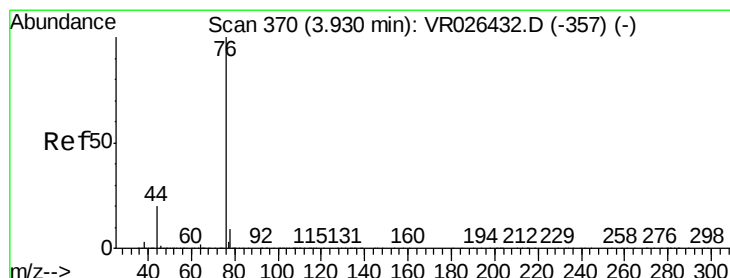
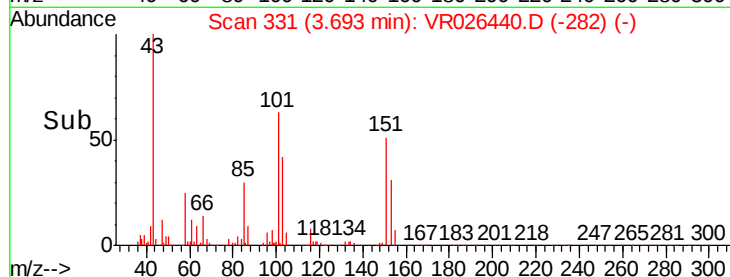
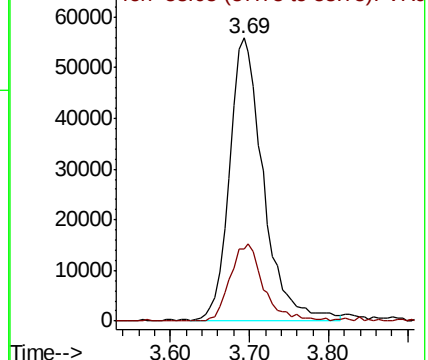
Ion Ratio Lower Upper

43 100

58 27.0 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 5.154 ug/L

RT: 3.92 min Scan# 369

Delta R.T. -0.01 min

Lab File: VR026440.D

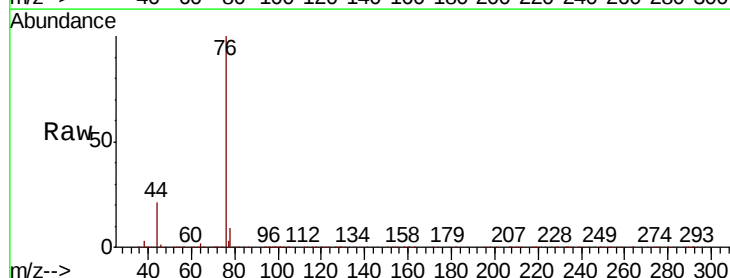
Acq: 4 Apr 2019 11:28

Tgt Ion: 76 Resp: 638876

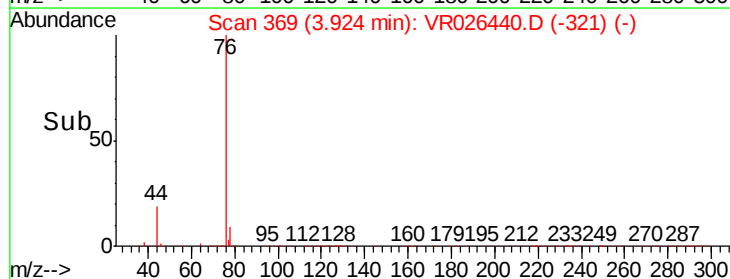
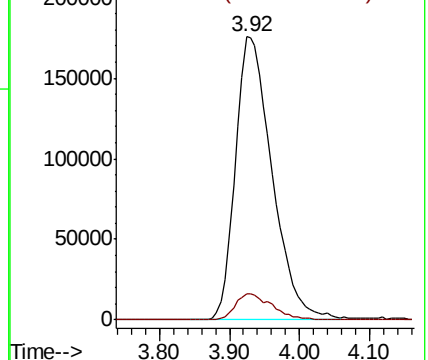
Ion Ratio Lower Upper

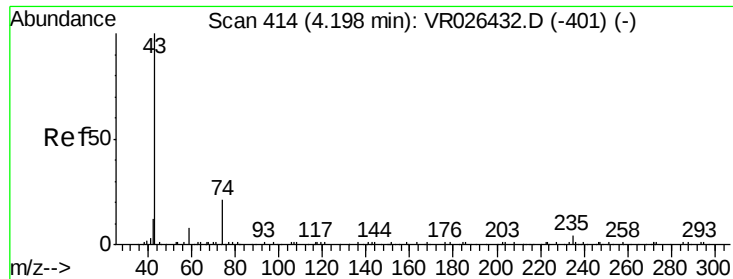
76 100

78 9.3 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0
Ion 78.00 (77.70 to 78.70): VR0

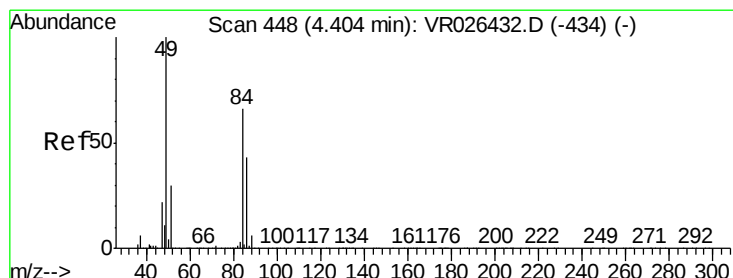
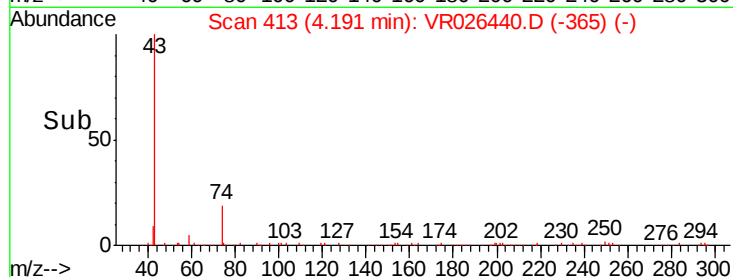
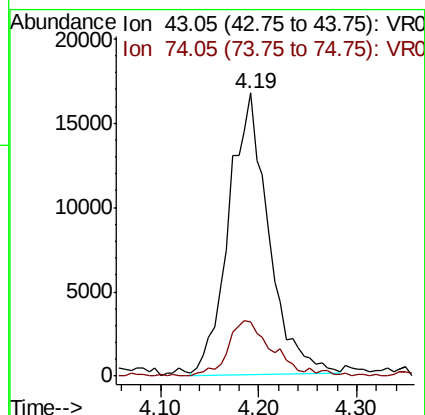
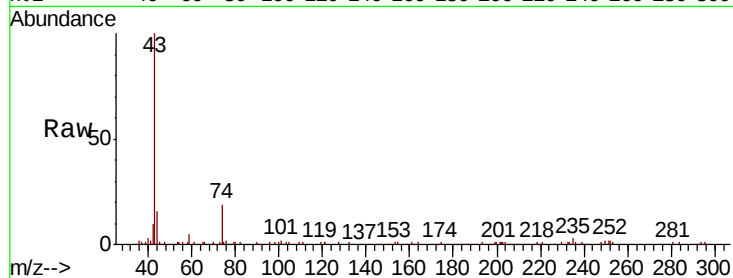




#15
Methyl Acetate
Concen: 5.271 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

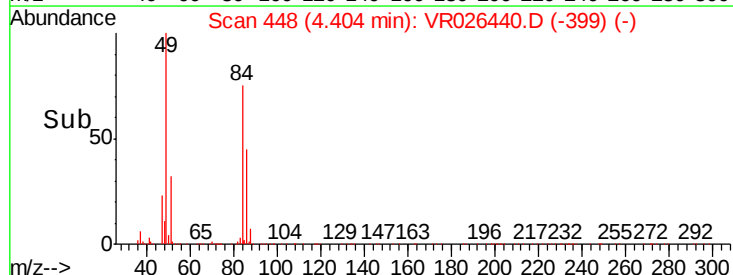
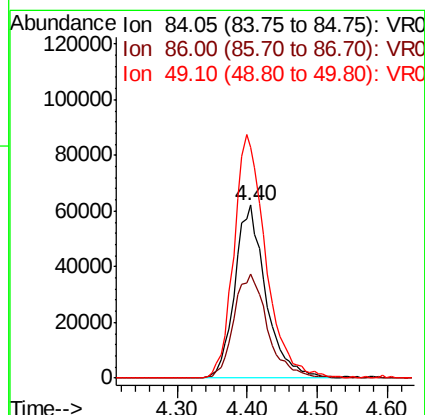
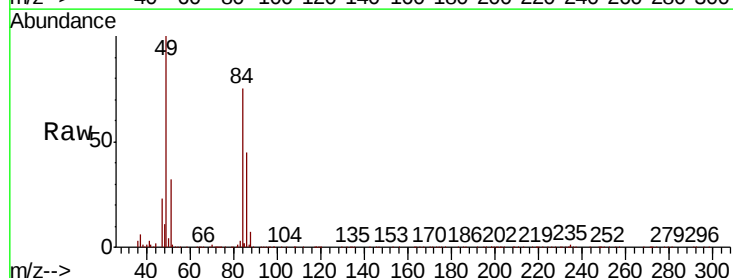
Instrument :
MSVOA_R
ClientSampleId :

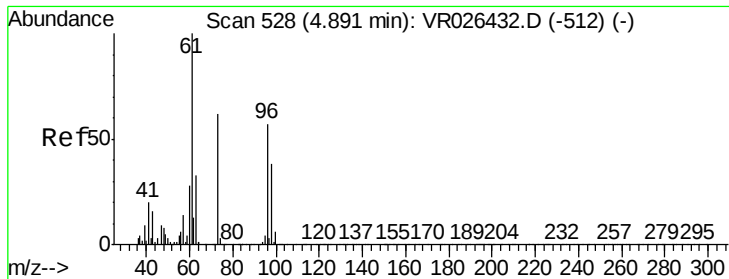
Tot Ion: 43 Resp: 46881
Ion Ratio Lower Upper
43 100
74 21.3 17.5 26.3



#16
Methylene chloride
Concen: 5.055 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion: 84 Resp: 191931
Ion Ratio Lower Upper
84 100
86 60.3 45.6 84.6
49 133.8 106.5 197.9

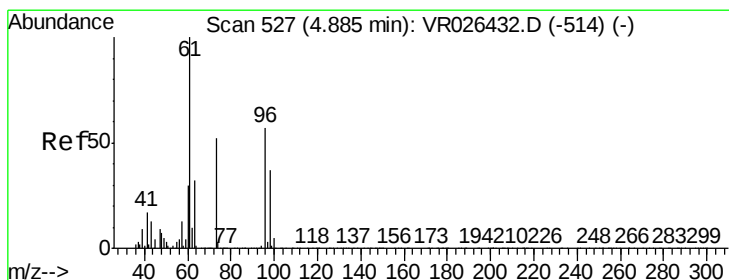
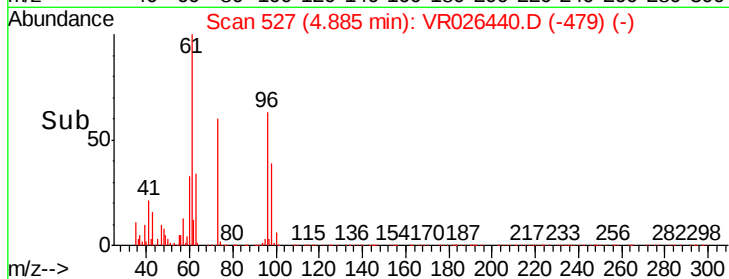
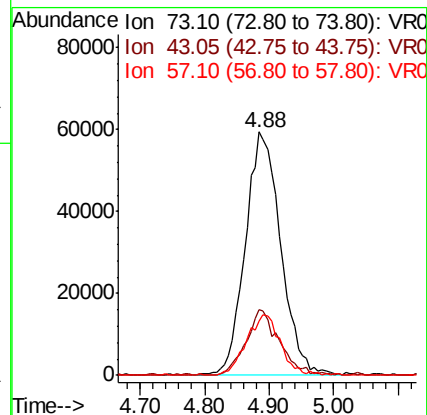
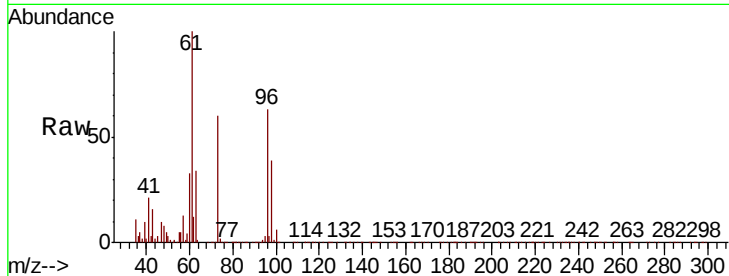




#17
Methvl tert-butvl Ether
Concen: 4.631 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

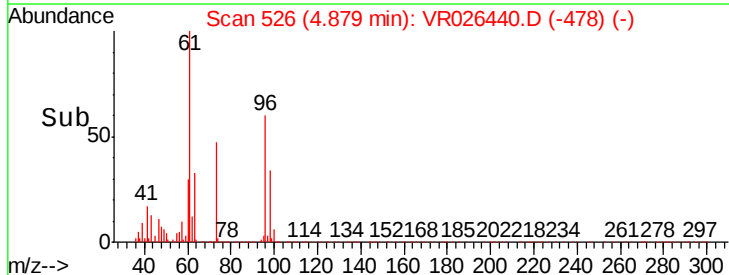
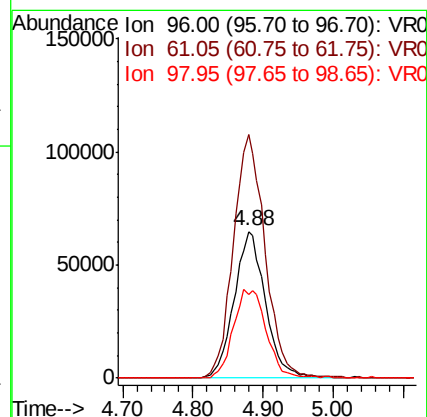
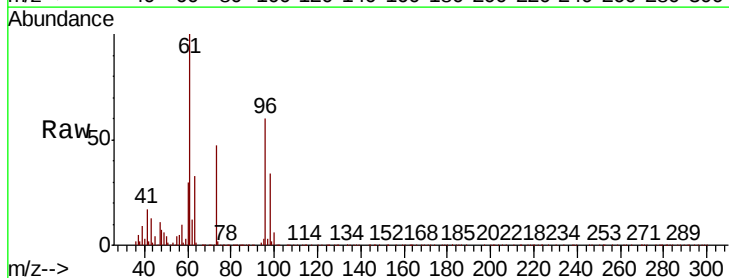
Instrument :
MSVOA_R
ClientSampled :

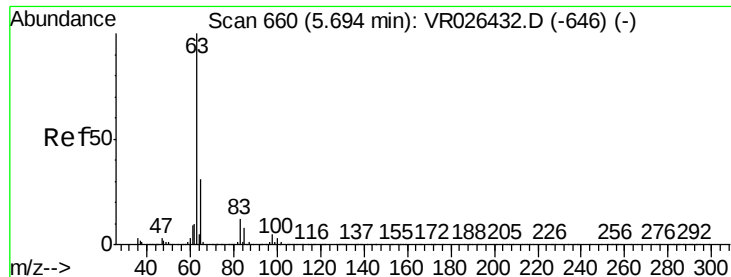
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.5	19.8	29.8
57	23.7	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 4.977 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	122.9	228.3
98	56.9	45.2	84.0





#19

1,1-Dichloroethane

Concen: 4.860 ug/L

RT: 5.69 min Scan# 660

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampleId :

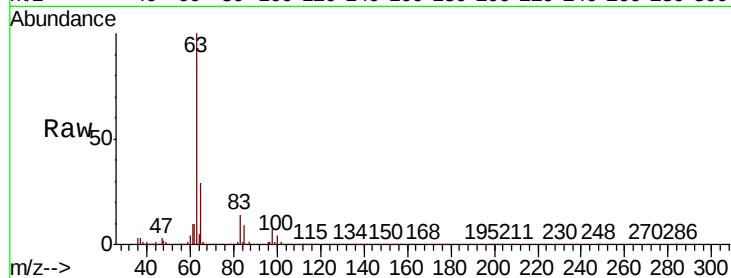
Tot Ion: 63 Resp: 363867

Ion Ratio Lower Upper

63 100

65 29.5 22.0 40.8

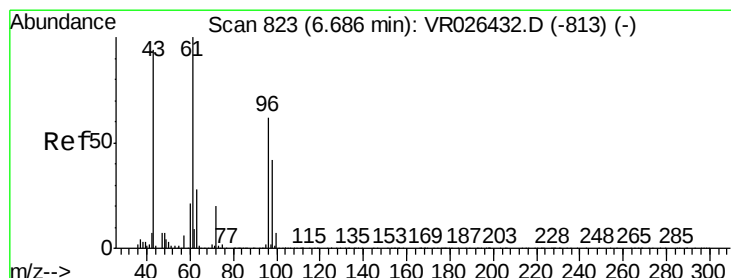
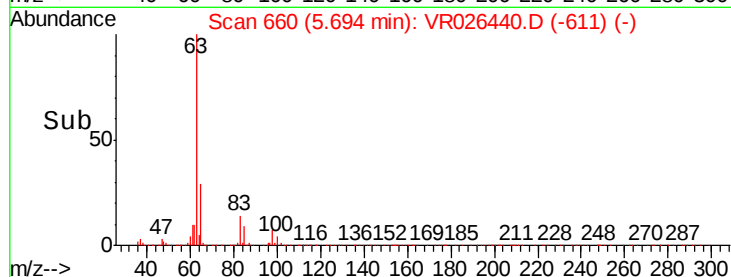
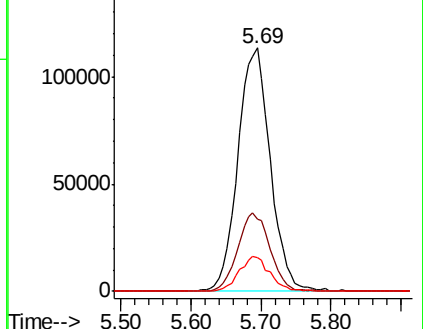
83 13.9 8.2 15.2



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 52.760 ug/L

RT: 6.69 min Scan# 823

Delta R.T. -0.00 min

Lab File: VR026440.D

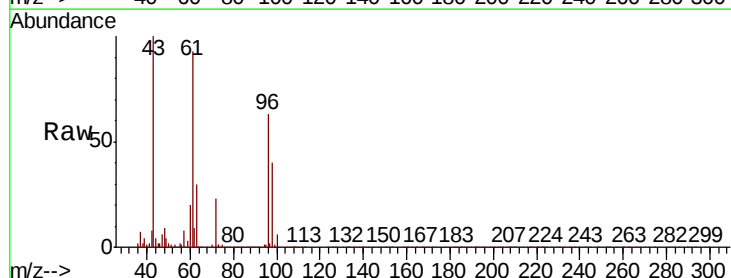
Acq: 4 Apr 2019 11:28

Tgt Ion: 43 Resp: 223618

Ion Ratio Lower Upper

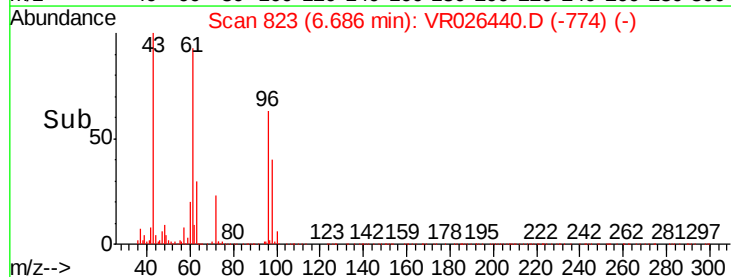
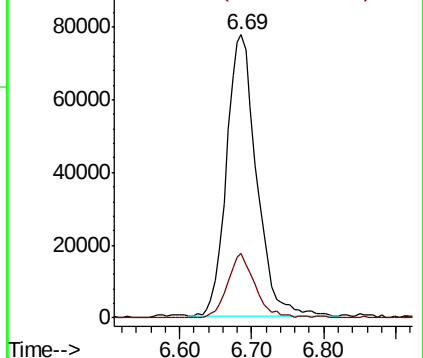
43 100

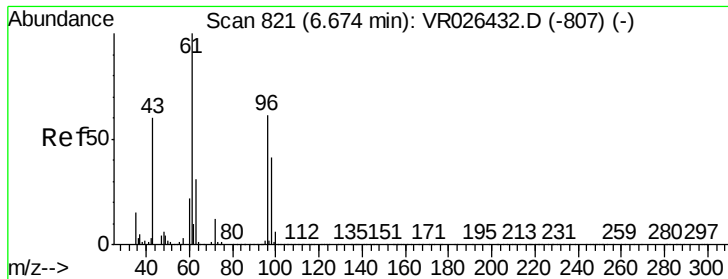
72 21.0 11.1 33.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



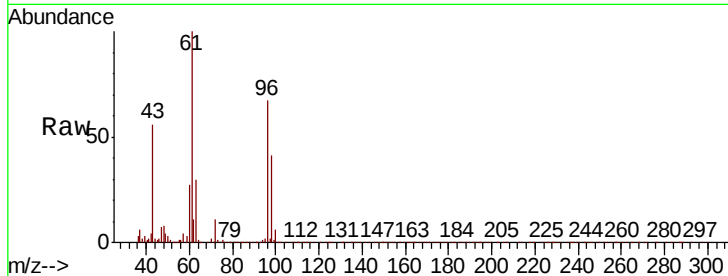


#22

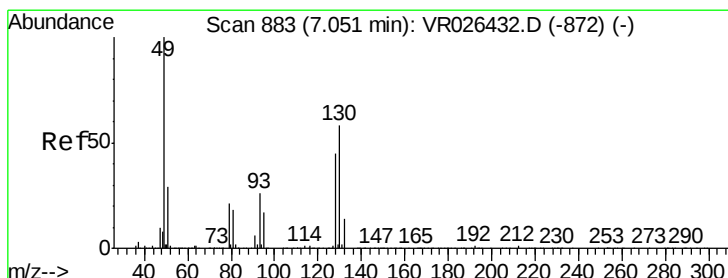
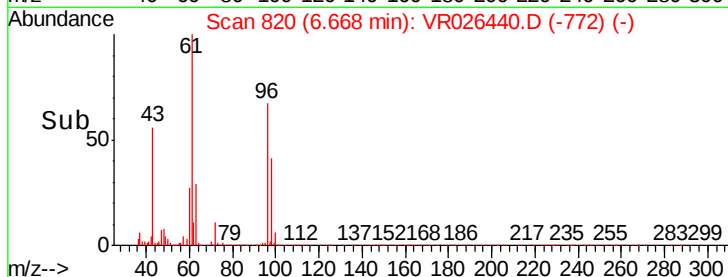
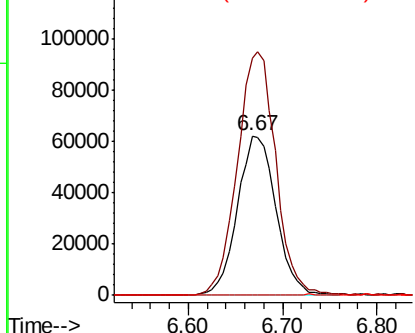
cis-1,2-Dichloroethene
Concen: 5.264 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 96 Resp: 176420
Ion Ratio Lower Upper
96 100
61 148.5 115.0 213.6
68 0.3 0.0 0.0#



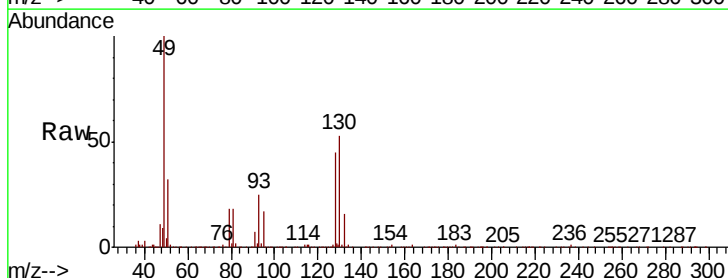
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



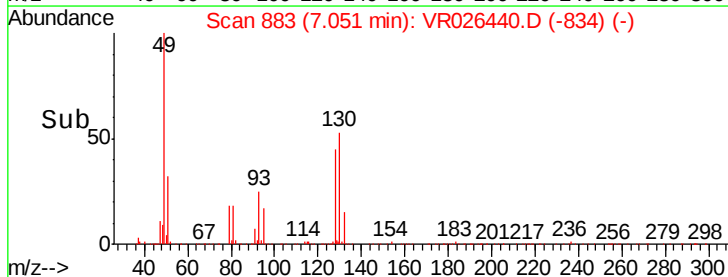
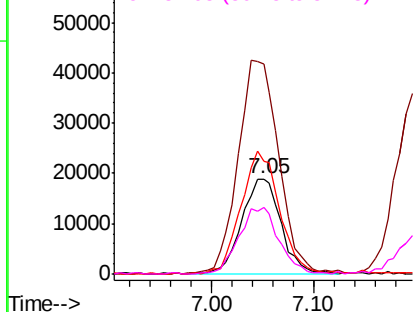
#23

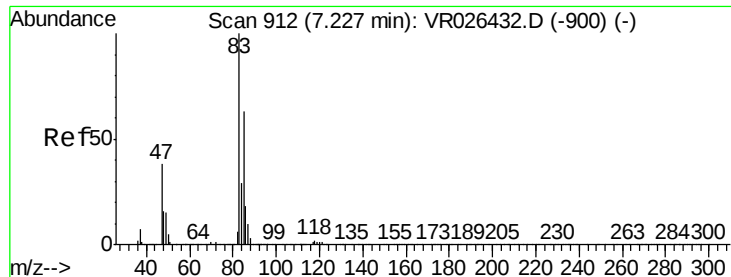
Bromochloromethane
Concen: 4.832 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion:128 Resp: 50458
Ion Ratio Lower Upper
128 100
49 221.4 158.3 293.9
130 118.3 90.0 167.2
51 70.5 51.8 77.8



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VR0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VR0





#25

Chloroform

Concen: 4.899 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

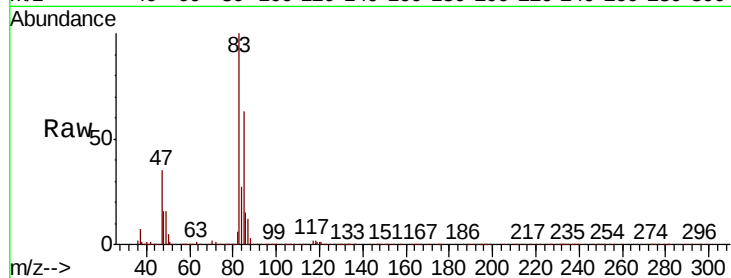
ClientSampleId :

Tot Ion: 83 Resp: 350914

Ion Ratio Lower Upper

83 100

85 62.9 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

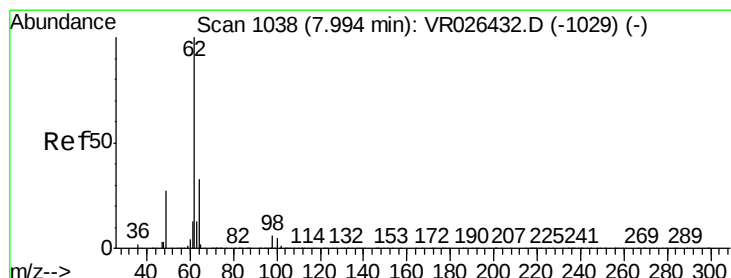
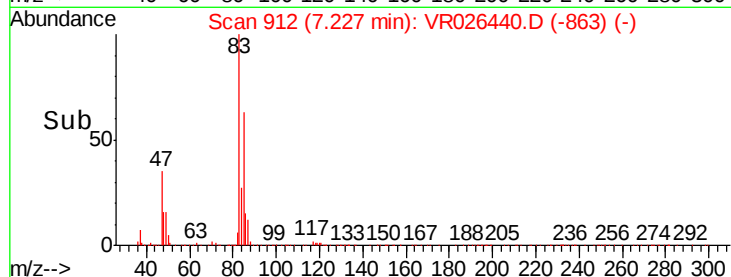
150000

100000

50000

0

Time-->



#27

1,2-Dichloroethane

Concen: 5.025 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR026440.D

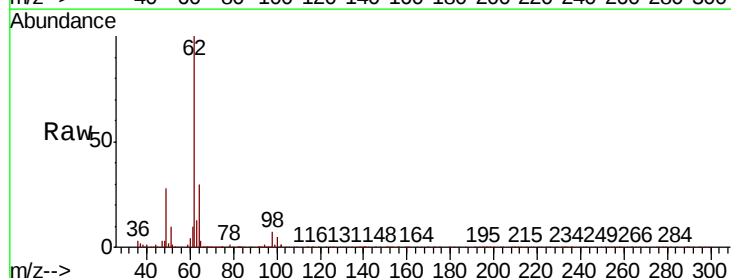
Acq: 4 Apr 2019 11:28

Tgt Ion: 62 Resp: 179519

Ion Ratio Lower Upper

62 100

98 6.9 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

100000

80000

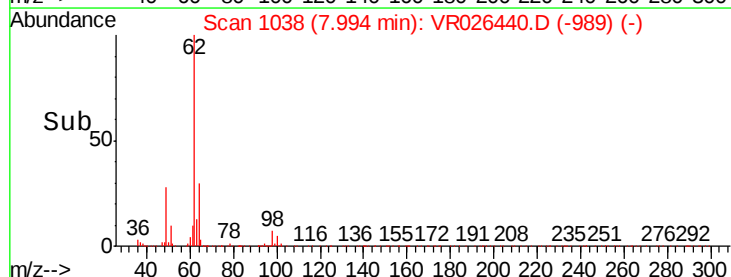
60000

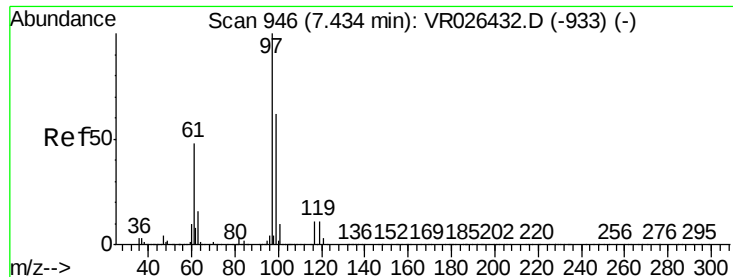
40000

20000

0

Time-->

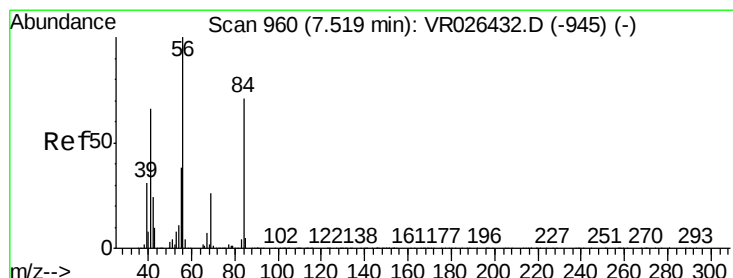
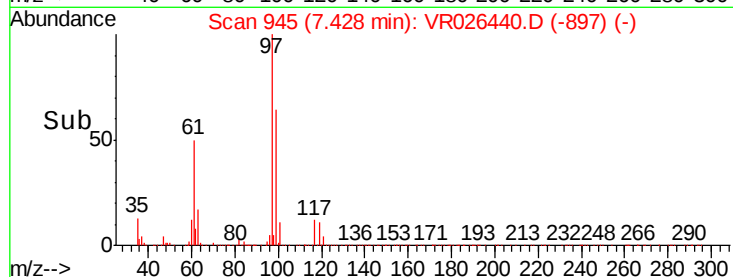
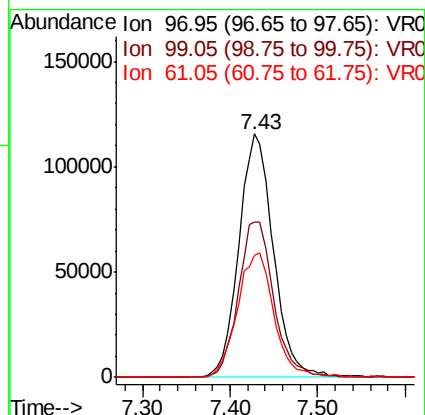
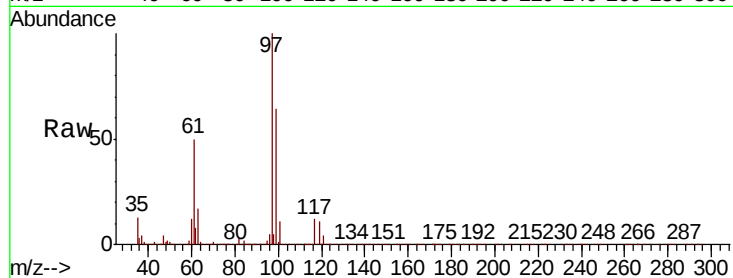




#29
 1,1,1-Trichloroethane
 Concen: 4.684 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

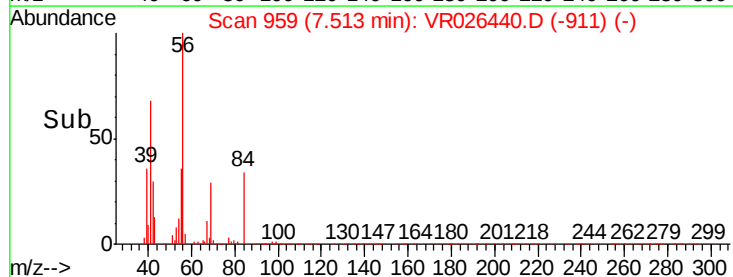
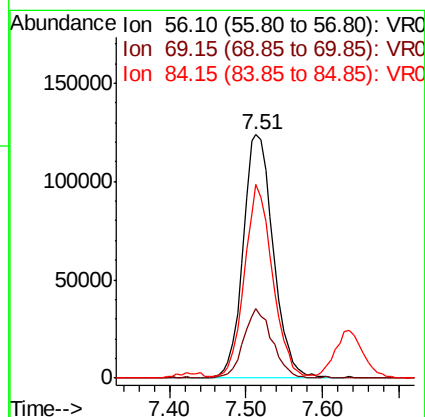
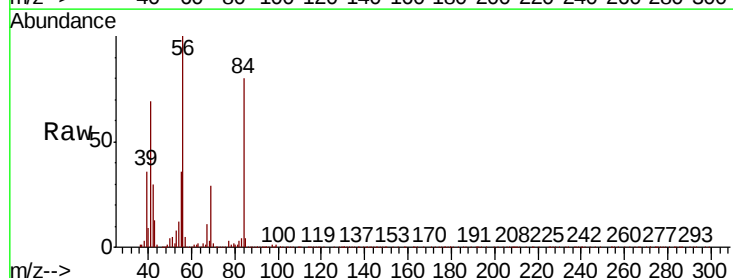
Instrument :
 MSVOA_R
 ClientSampleId :

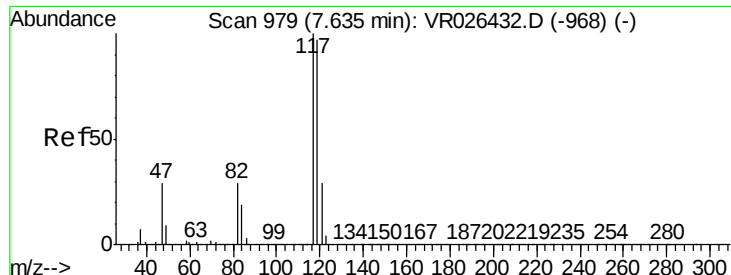
Tot Ion: 97 Resp: 315685
 Ion Ratio Lower Upper
 97 100
 99 65.7 49.6 74.4
 61 54.6 41.8 62.6



#30
 Cyclohexane
 Concen: 5.407 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Tgt Ion: 56 Resp: 338597
 Ion Ratio Lower Upper
 56 100
 69 27.0 22.6 33.8
 84 74.3 59.6 89.4

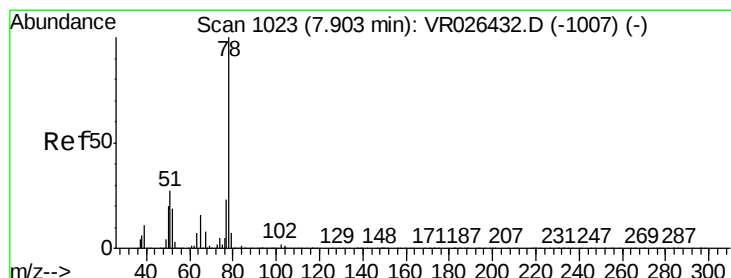
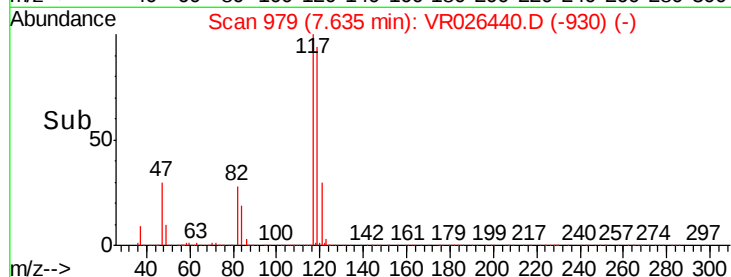
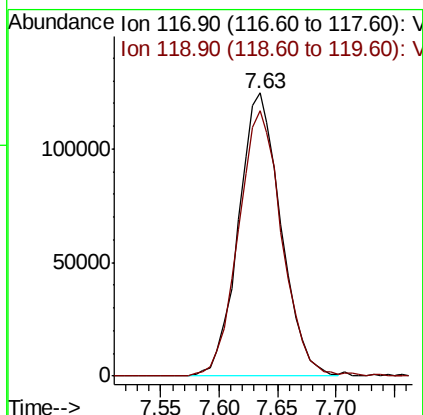
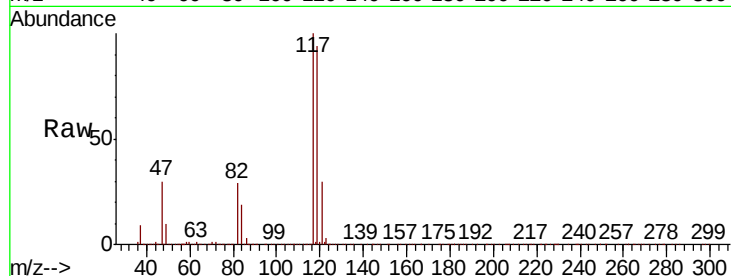




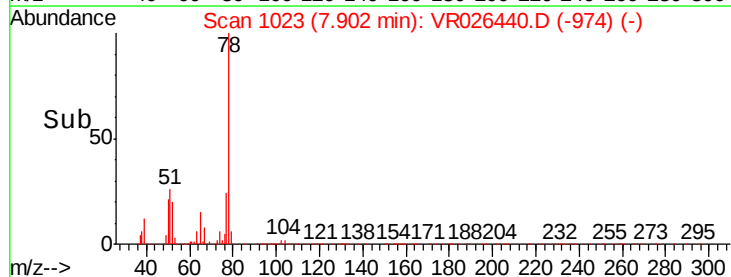
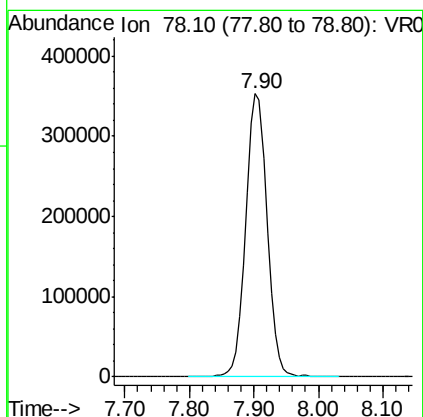
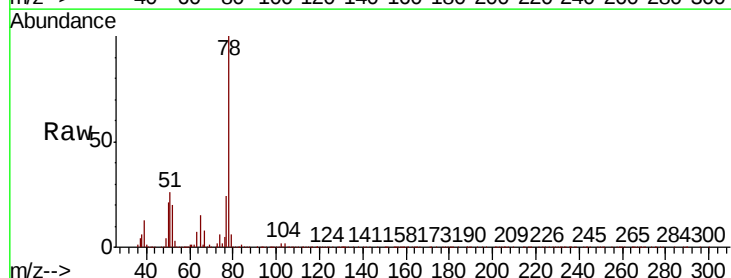
#31
Carbon tetrachloride
Concen: 4.920 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

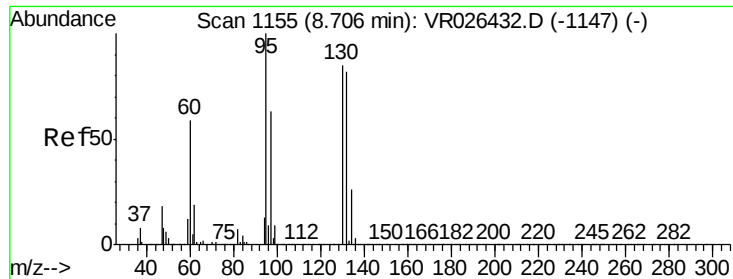
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:117 Resp: 314118
Ion Ratio Lower Upper
117 100
119 96.6 75.9 113.9



#33
Benzene
Concen: 5.003 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28
Tgt Ion: 78 Resp: 798280

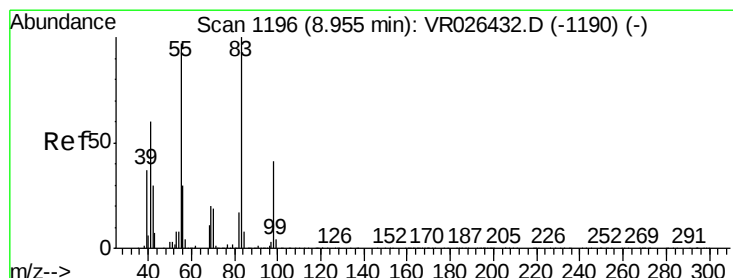
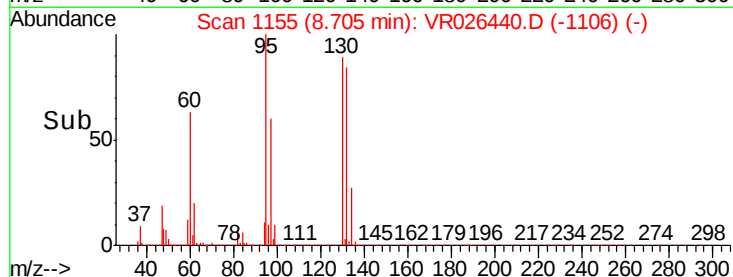
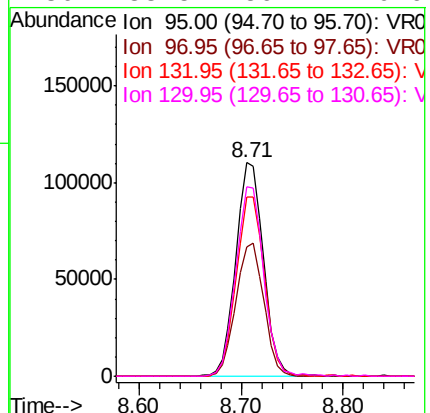
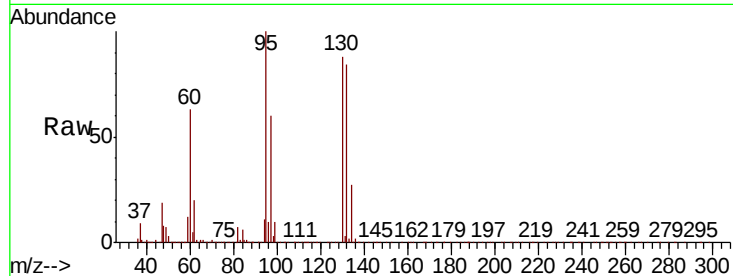




#34
 Trichloroethene
 Concen: 4.824 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

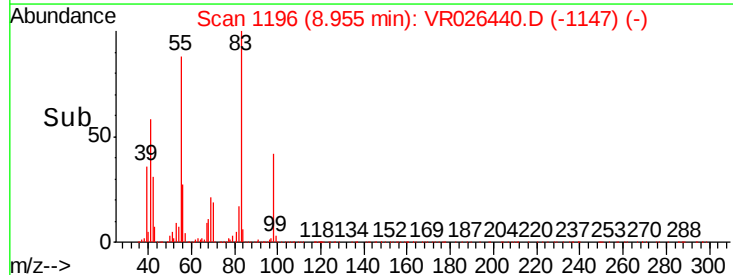
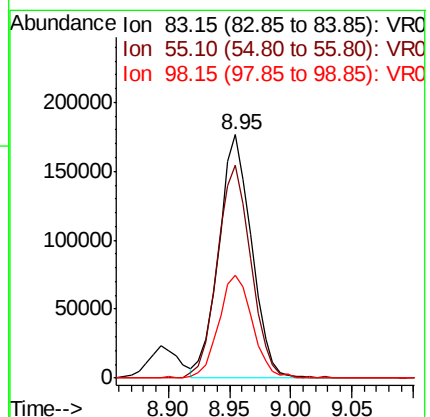
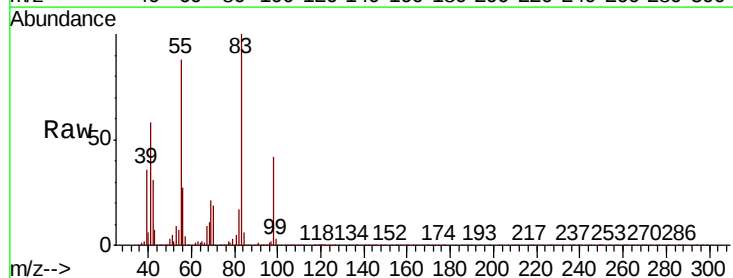
Instrument :
 MSVOA_R
 ClientSampleId :

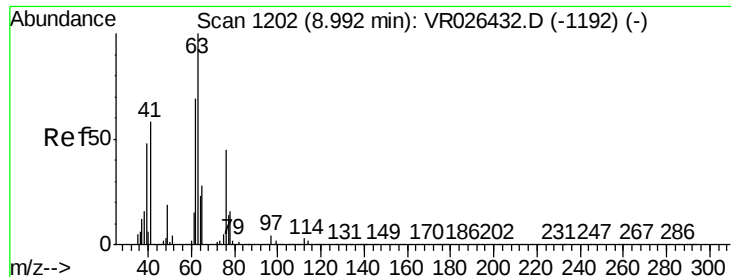
Tot Ion: 95 Resp: 206216
 Ion Ratio Lower Upper
 95 100
 97 60.3 43.8 81.3
 132 84.0 57.2 106.2
 130 88.5 59.7 110.9



#35
 Methylcyclohexane
 Concen: 5.376 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Tgt Ion: 83 Resp: 327716
 Ion Ratio Lower Upper
 83 100
 55 89.9 73.8 110.6
 98 43.9 34.6 51.8

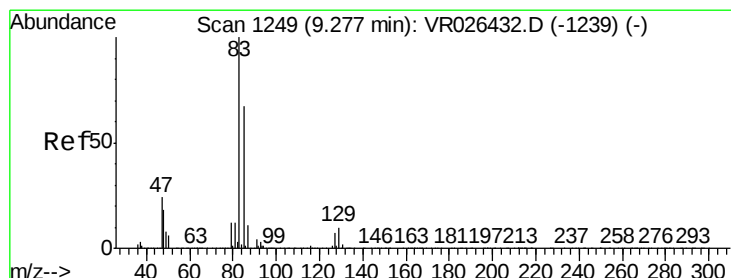
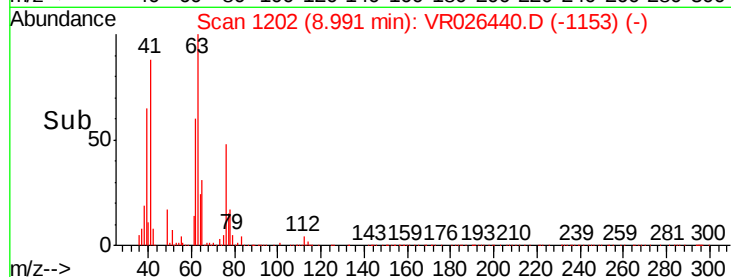
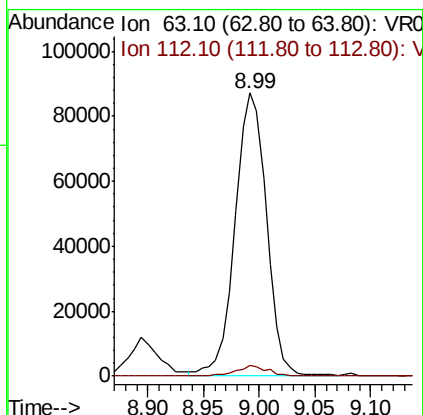
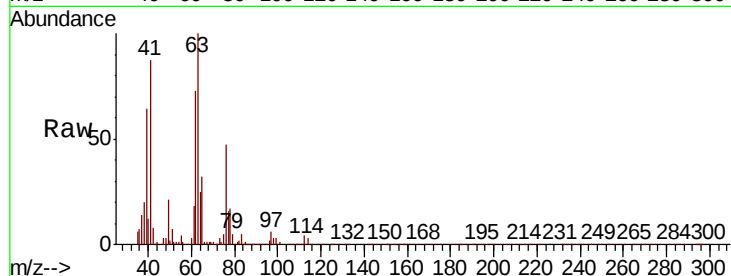




#37
 1,2-Dichloropropane
 Concen: 4.821 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

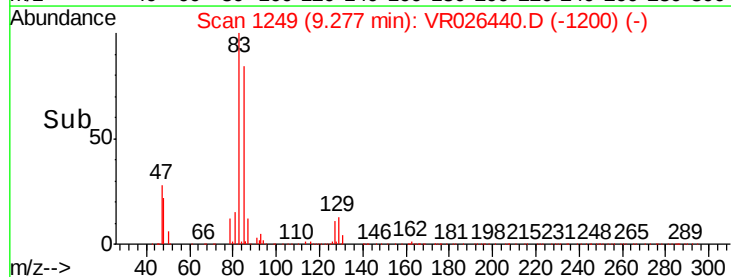
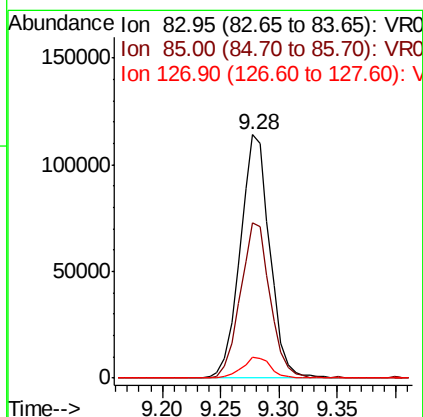
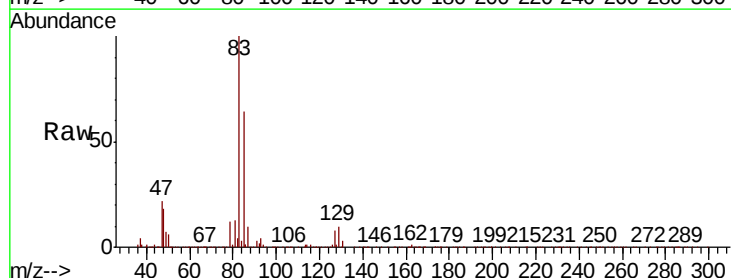
Instrument :
 MSVOA_R
 ClientSampleId :

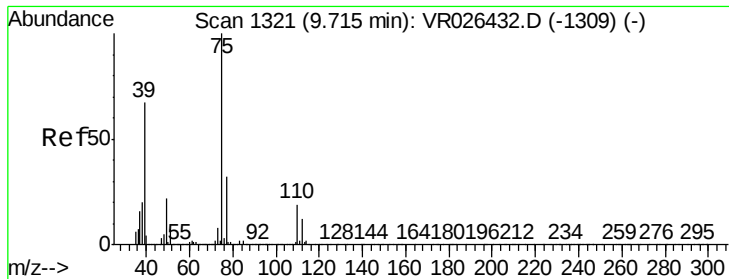
Tot Ion: 63 Resp: 168588
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.8 4.2



#38
 Bromodichloromethane
 Concen: 4.983 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Tgt Ion: 83 Resp: 201376
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.6 86.6
 127 8.4 5.6 8.4#



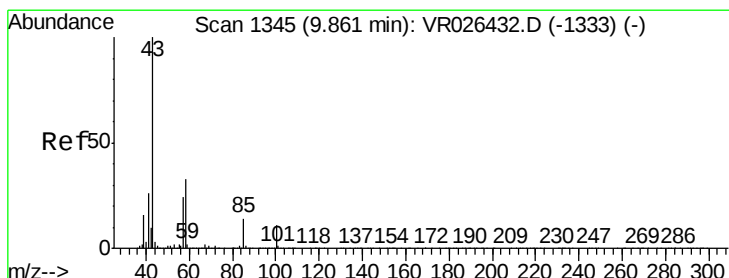
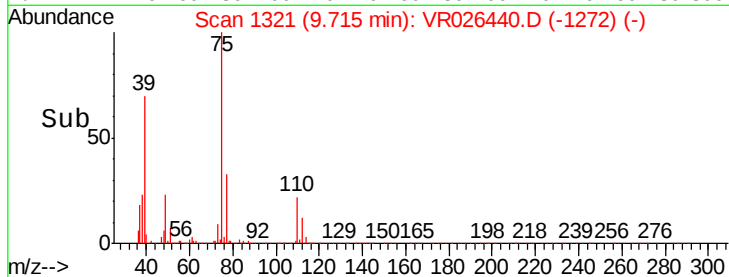
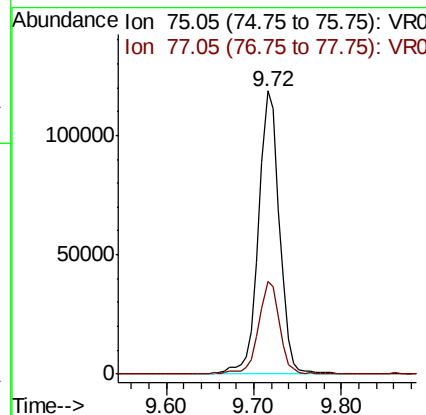
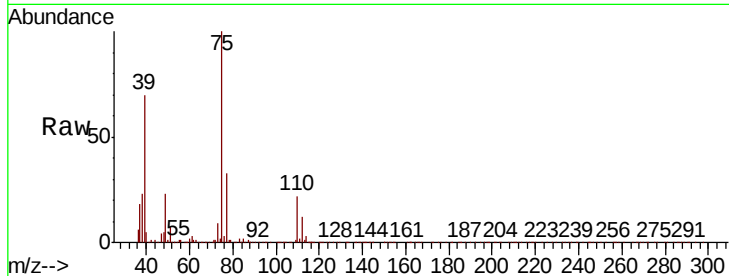


#39

cis-1,3-Dichloropropene
Concen: 5.180 ug/L
RT: 9.72 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Instrument :
MSVOA_R
ClientSampleId :

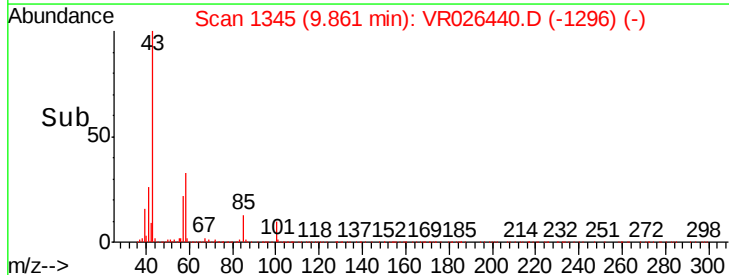
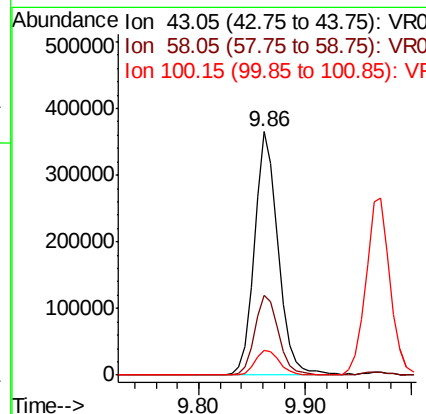
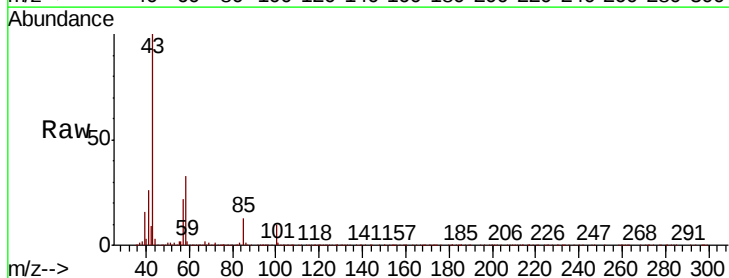
Tot Ion: 75 Resp: 196635
Ion Ratio Lower Upper
75 100
77 32.6 22.3 41.5

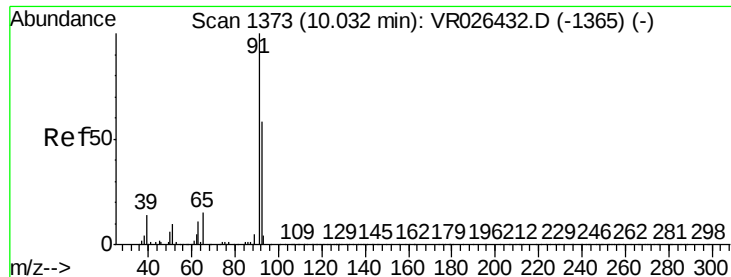


#40

4-Methyl-2-pentanone
Concen: 55.484 ug/L
RT: 9.86 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion: 43 Resp: 568555
Ion Ratio Lower Upper
43 100
58 33.1 27.0 40.4
100 10.7 8.9 13.3





#42

Toluene

Concen: 5.343 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

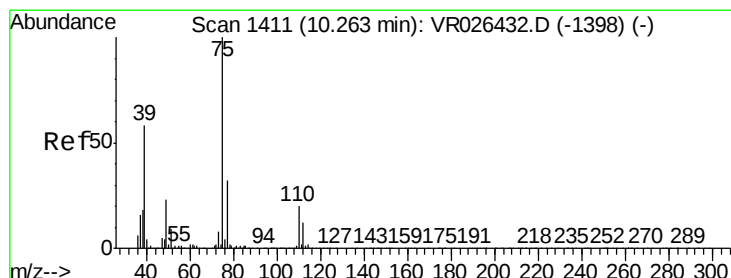
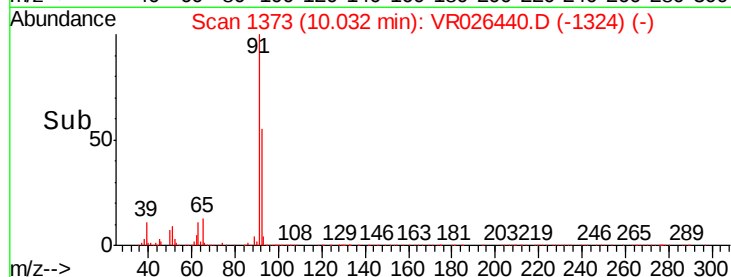
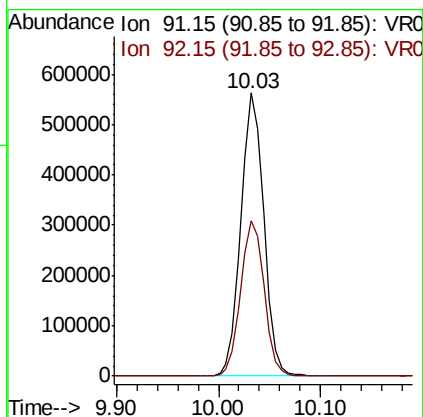
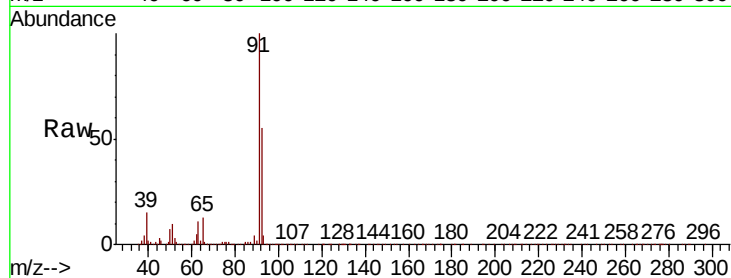
ClientSampleId :

Tot Ion: 91 Resp: 873730

Ion Ratio Lower Upper

91 100

92 55.0 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.216 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026440.D

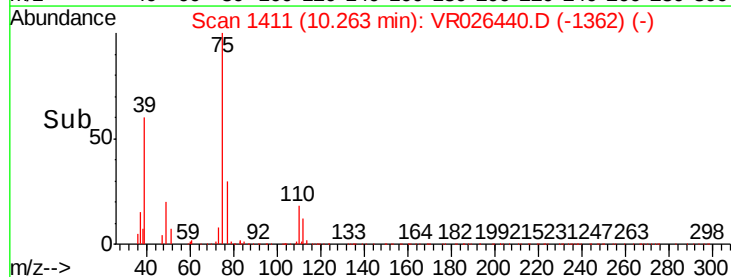
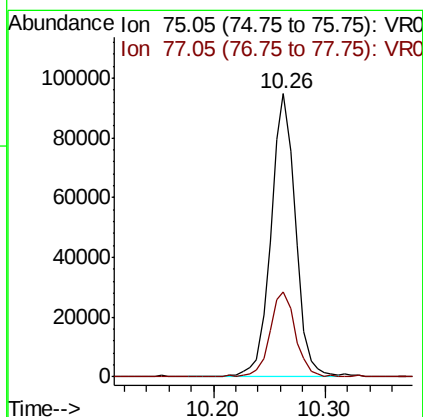
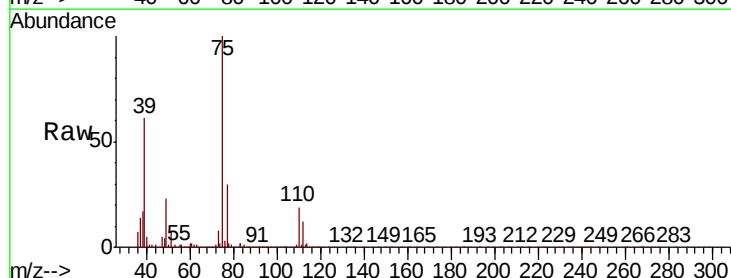
Acq: 4 Apr 2019 11:28

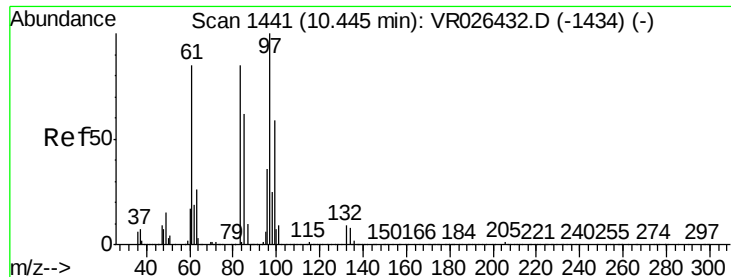
Tgt Ion: 75 Resp: 144424

Ion Ratio Lower Upper

75 100

77 30.0 22.7 42.1





#45

1,1,2-Trichloroethane

Concen: 4.931 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 69752

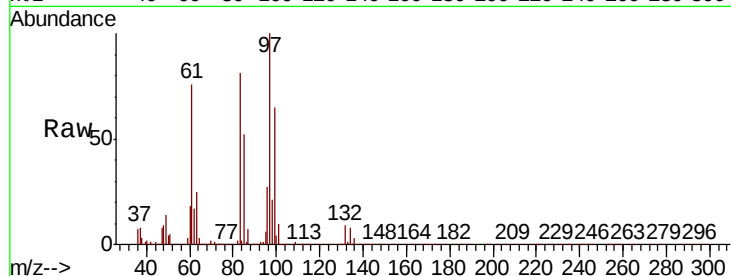
Ion Ratio Lower Upper

97 100

99 64.9 41.7 77.5

83 81.2 59.5 110.5

85 51.5 43.0 80.0

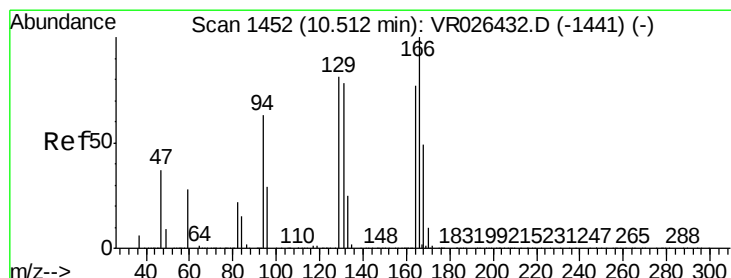
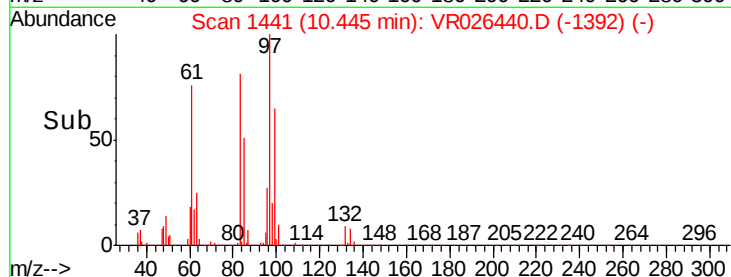
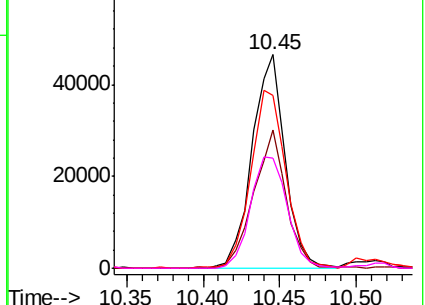


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 4.916 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Tgt Ion:164 Resp: 149530

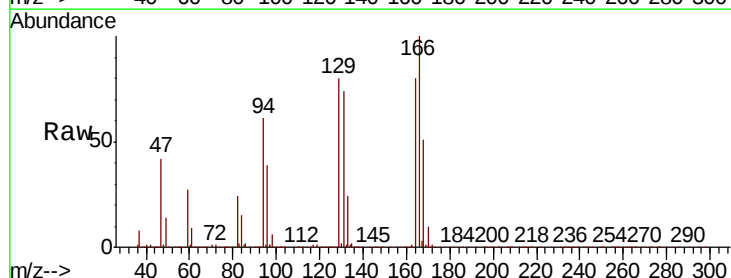
Ion Ratio Lower Upper

164 100

129 100.4 74.1 137.5

131 92.8 71.3 132.5

166 125.6 90.9 168.9

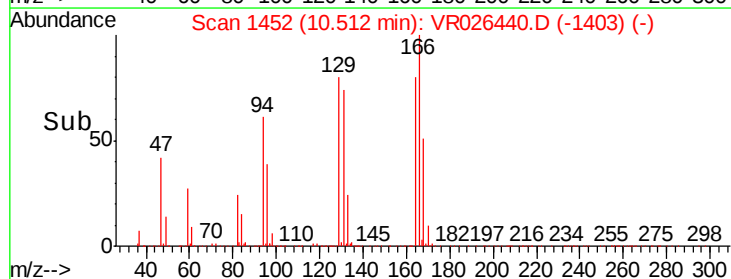
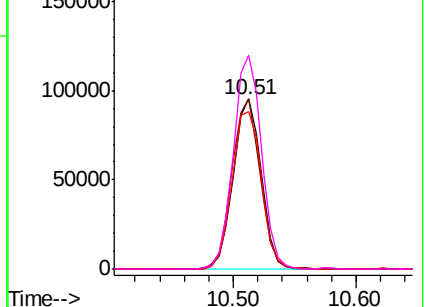


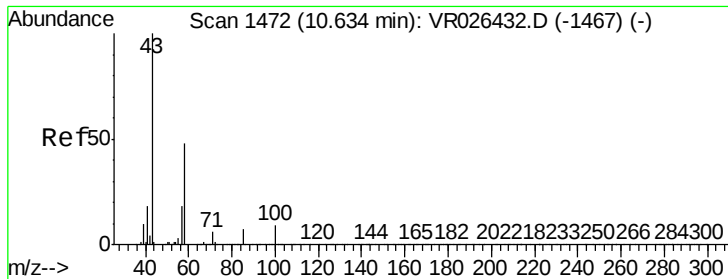
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

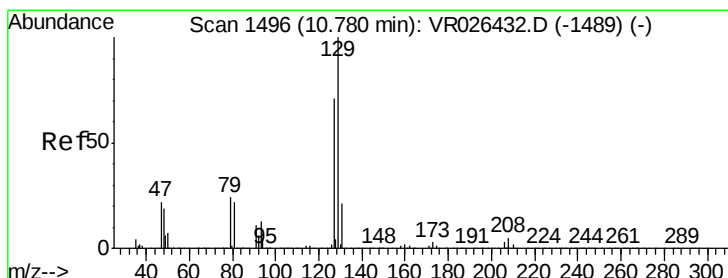
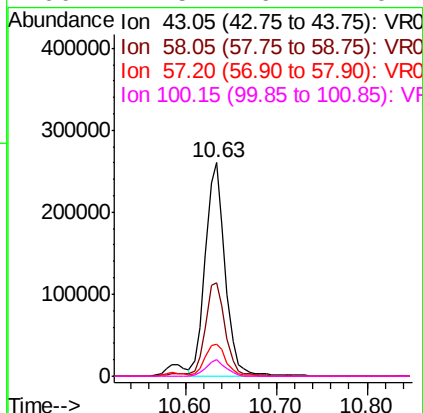
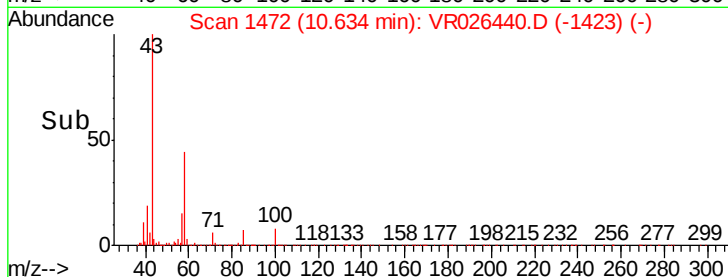
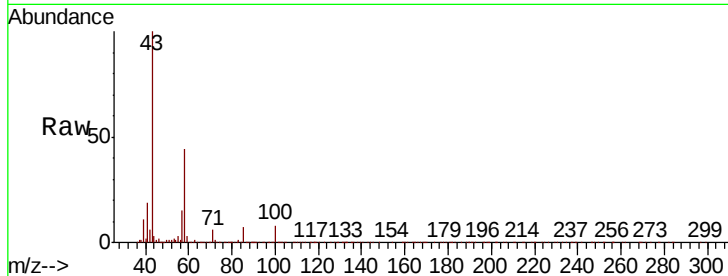




#48
2-Hexanone
Concen: 58.870 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

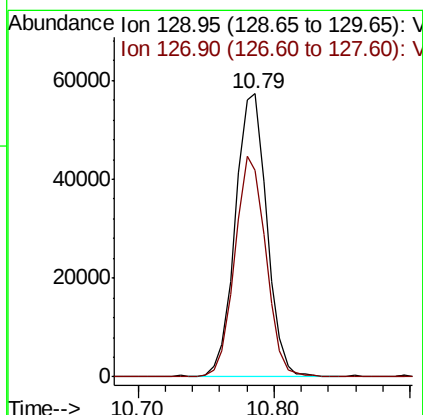
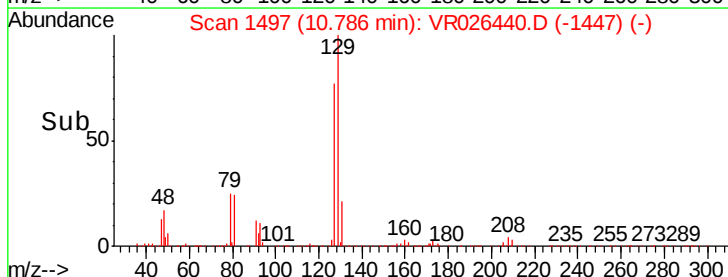
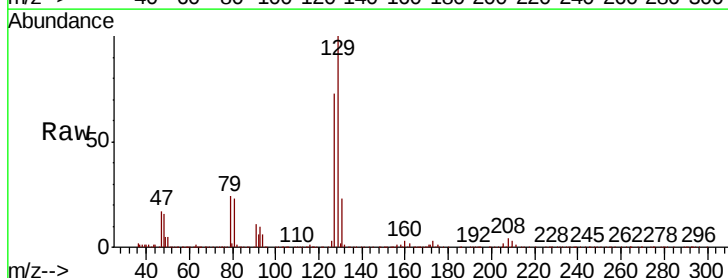
Instrument :
MSVOA_R
ClientSampleId :

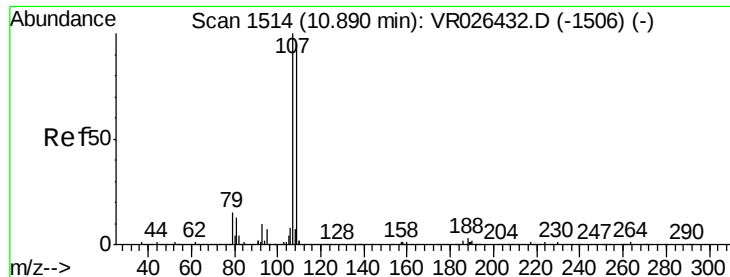
Tot Ion:	43	Resp:	401246
Ion	Ratio	Lower	Upper
43	100		
58	45.1	38.2	57.2
57	16.0	13.8	20.6
100	7.5	6.2	9.2



#49
Dibromochloromethane
Concen: 4.999 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion:	129	Resp:	92637
Ion	Ratio	Lower	Upper
129	100		
127	73.1	50.2	93.2

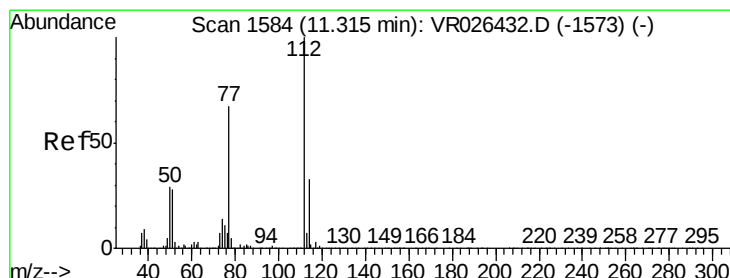
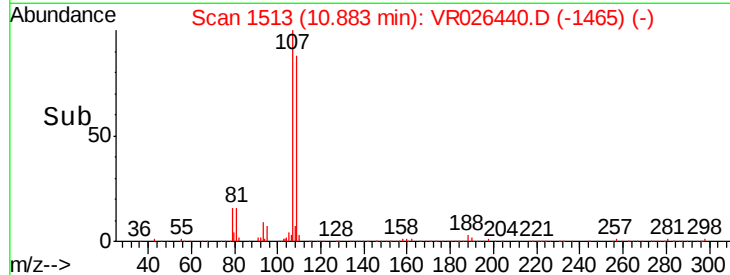
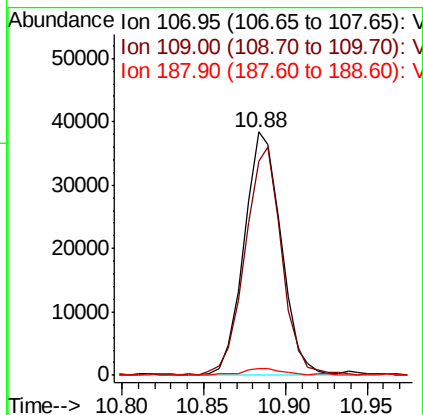
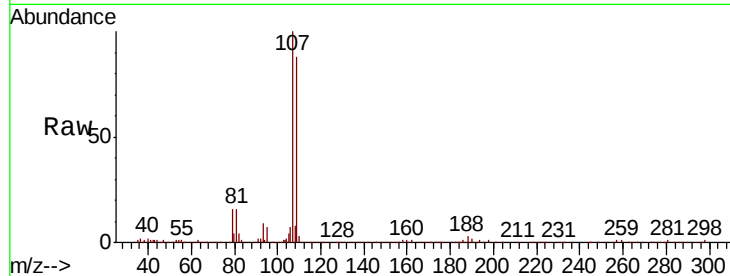




#50
1,2-Dibromoethane
Concen: 4.983 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

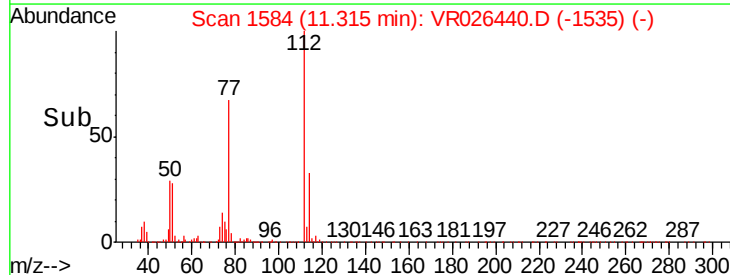
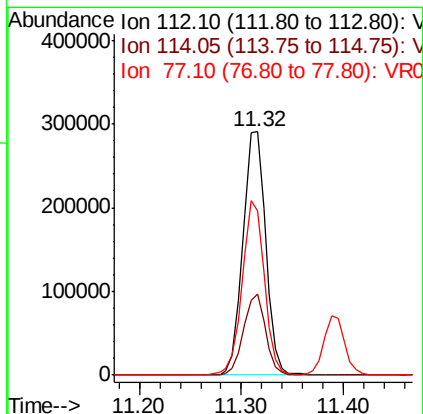
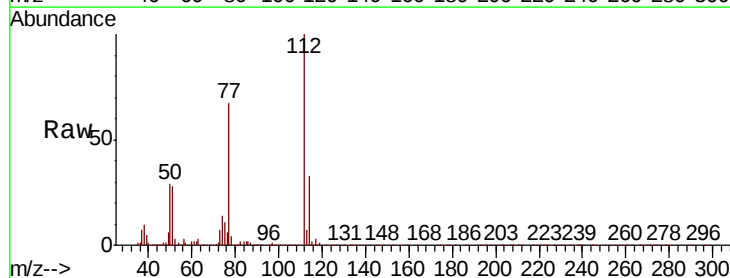
Instrument :
MSVOA_R
ClientSampleId :

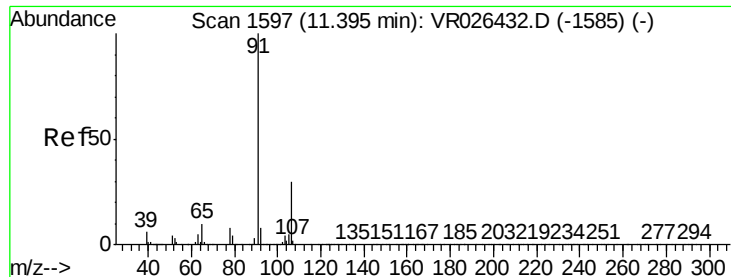
Tot Ion:107 Resp: 60628
Ion Ratio Lower Upper
107 100
109 87.9 66.8 124.2
188 3.0 2.8 4.2



#51
Chlorobenzene
Concen: 4.909 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion:112 Resp: 450508
Ion Ratio Lower Upper
112 100
114 33.3 23.1 42.9
77 67.5 53.8 80.8





#52

Ethylbenzene

Concen: 5.398 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

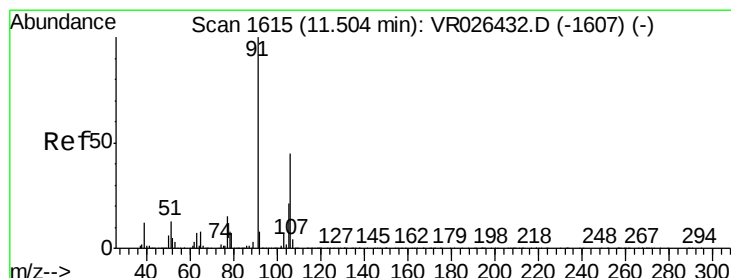
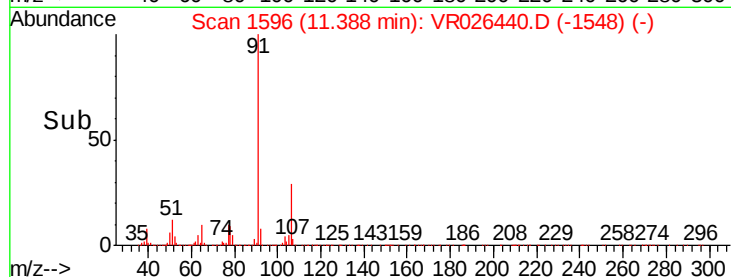
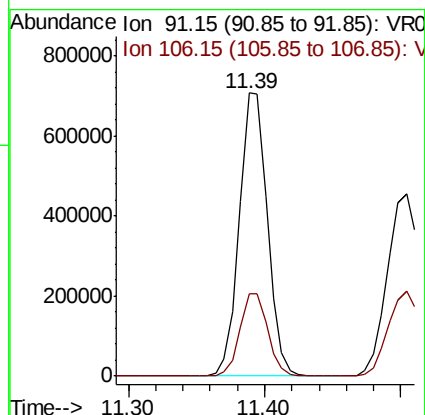
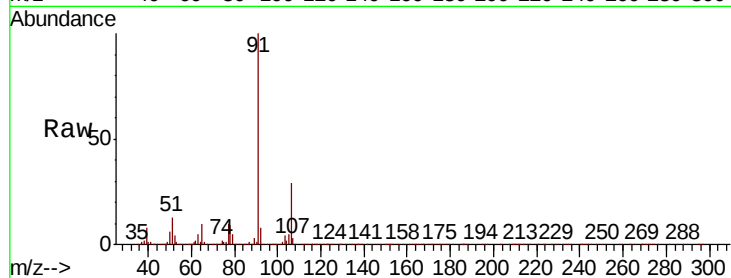
ClientSampled :

Tot Ion: 91 Resp: 1016883

Ion Ratio Lower Upper

91 100

106 29.3 20.7 38.5



#53

m,p-Xylene

Concen: 5.279 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026440.D

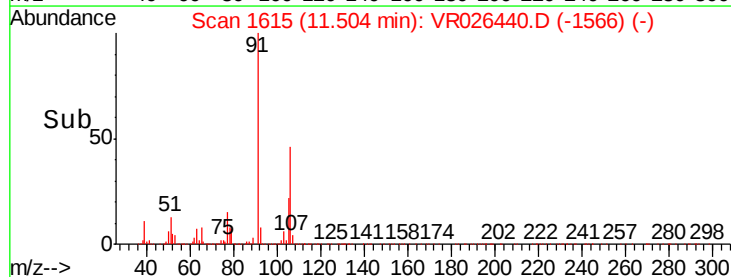
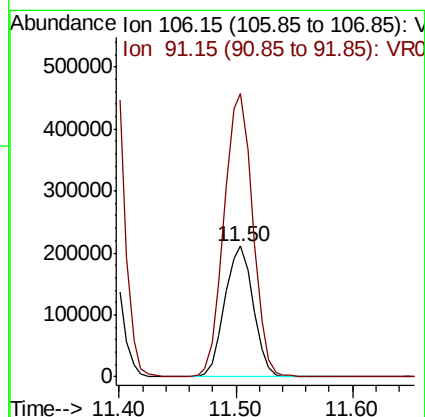
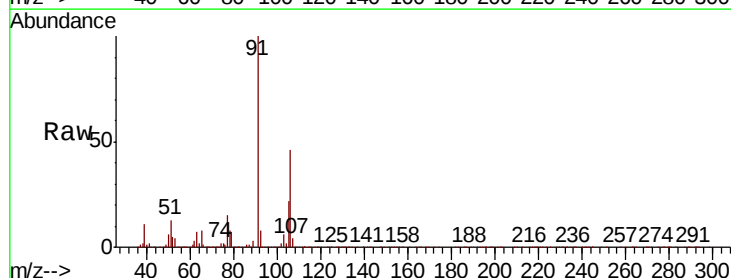
Acq: 4 Apr 2019 11:28

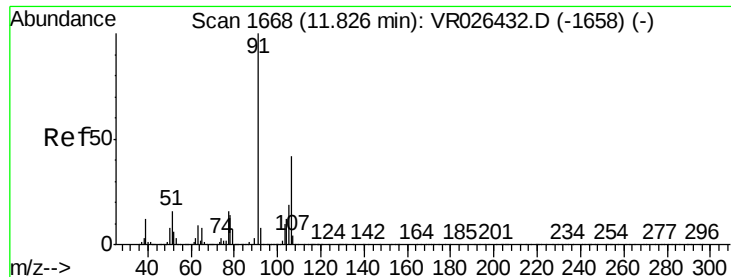
Tgt Ion:106 Resp: 356444

Ion Ratio Lower Upper

106 100

91 216.6 155.6 289.0

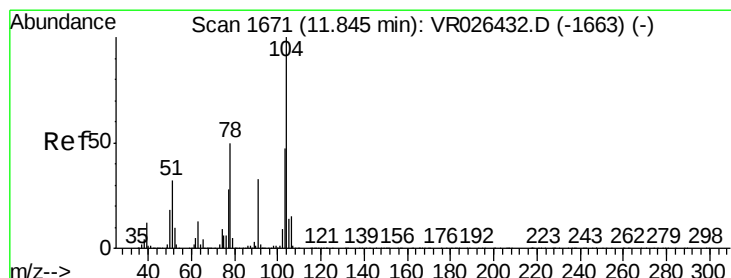
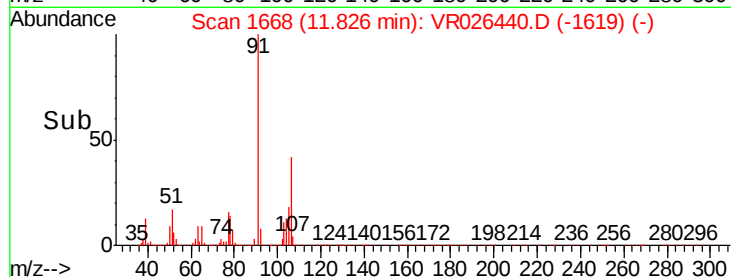
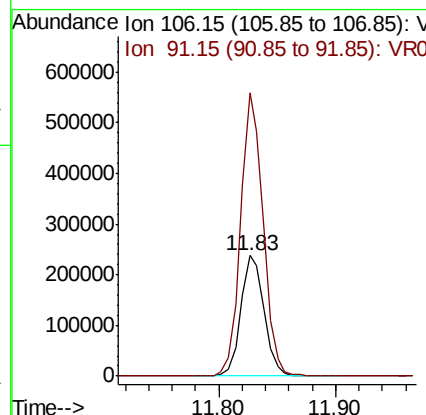
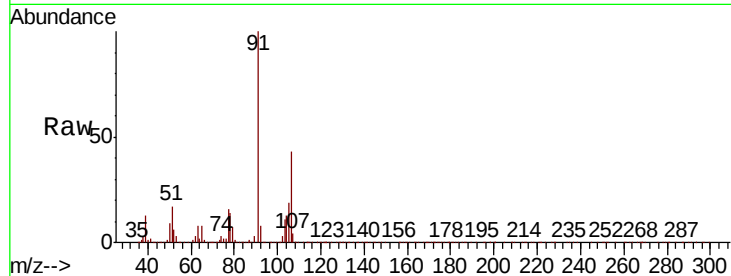




#54
o-Xylene
Concen: 5.540 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

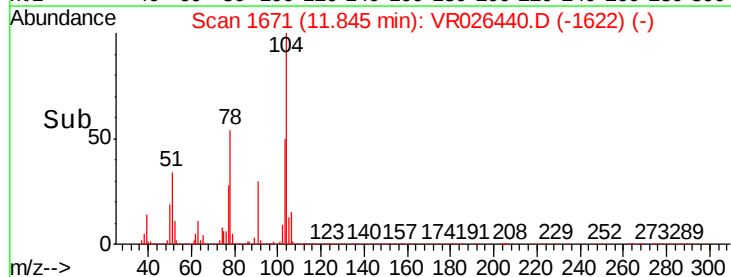
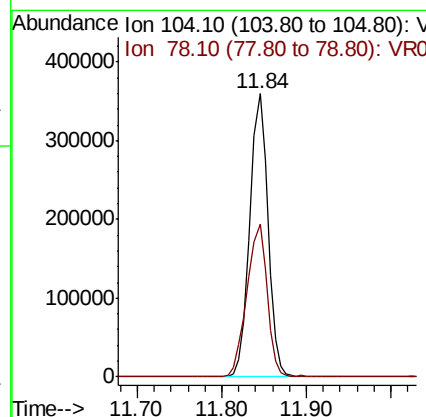
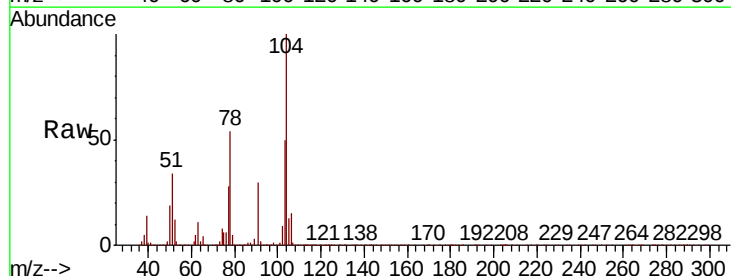
Instrument :
MSVOA_R
ClientSampled :

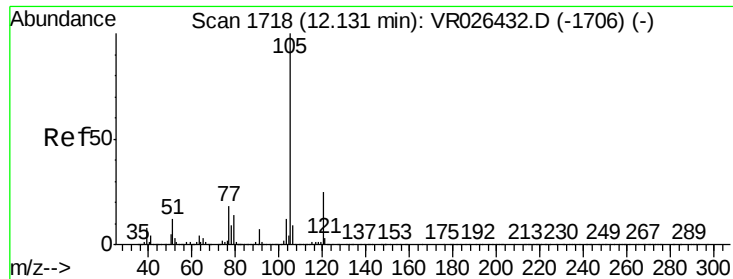
Tot Ion:106 Resp: 328692
Ion Ratio Lower Upper
106 100
91 235.0 166.2 308.6



#55
Styrene
Concen: 5.515 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026440.D
Acq: 4 Apr 2019 11:28

Tgt Ion:104 Resp: 516510
Ion Ratio Lower Upper
104 100
78 54.1 35.2 65.4





#56

Isopropylbenzene

Concen: 5.655 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampleId :

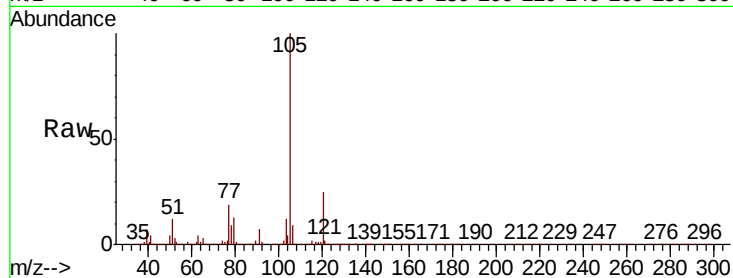
Tot Ion:105 Resp: 952250

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

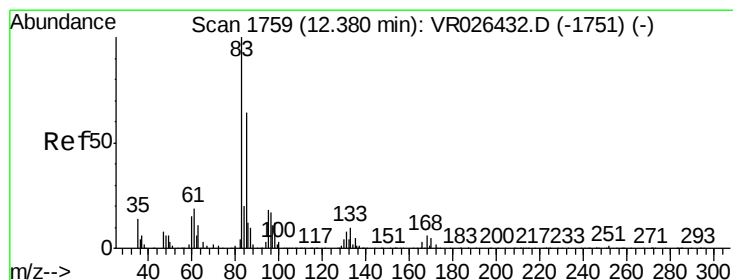
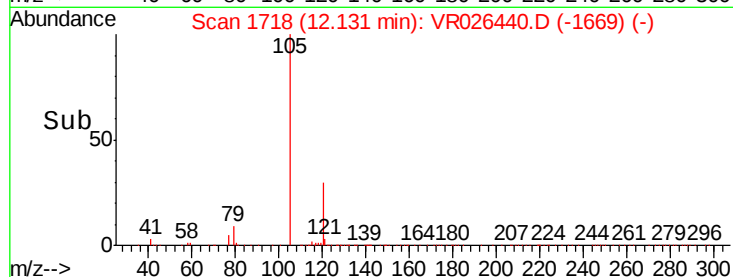
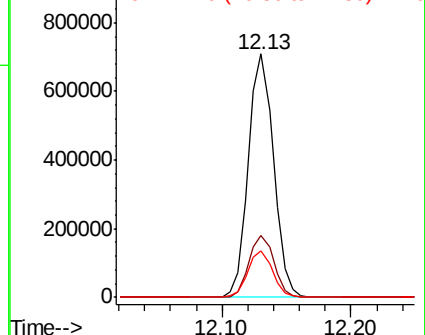
77 18.8 14.7 22.1



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): VR



#58

1,1,2,2-Tetrachloroethane

Concen: 4.933 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

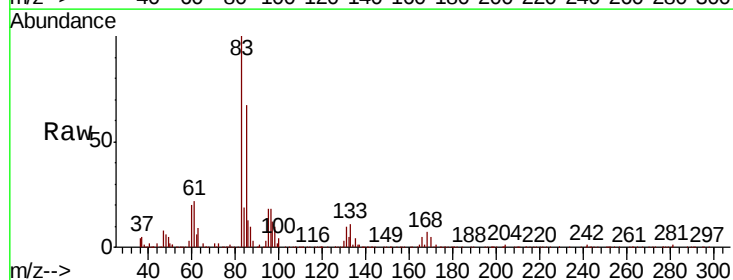
Tgt Ion: 83 Resp: 67764

Ion Ratio Lower Upper

83 100

85 67.0 45.1 83.7

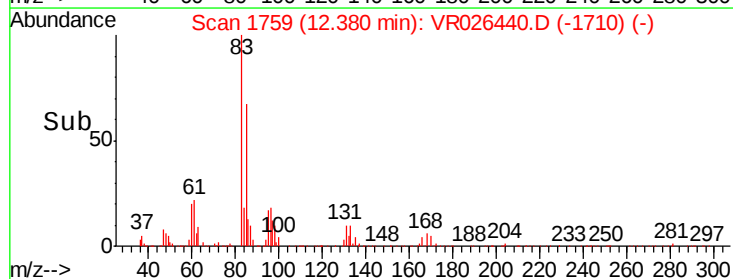
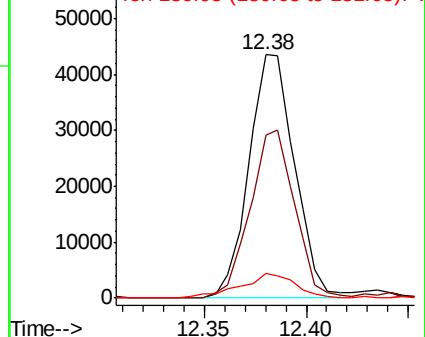
131 9.9 6.9 10.3

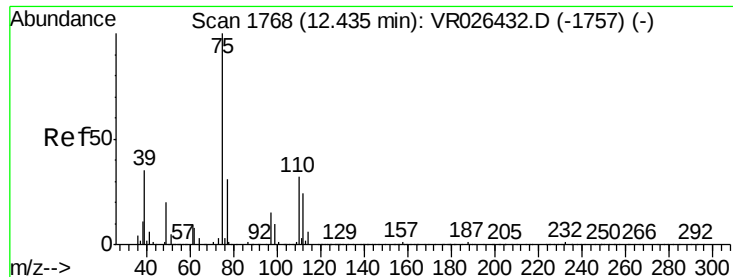


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.878 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

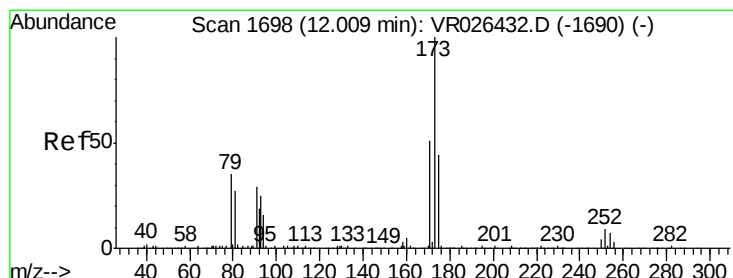
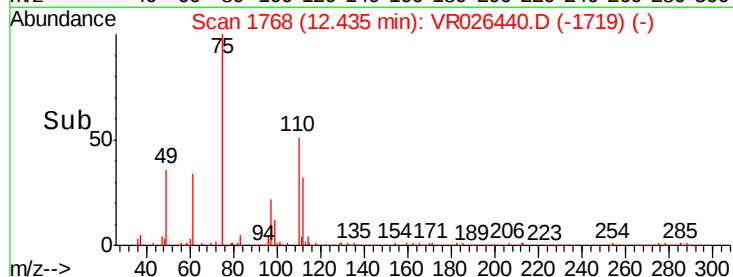
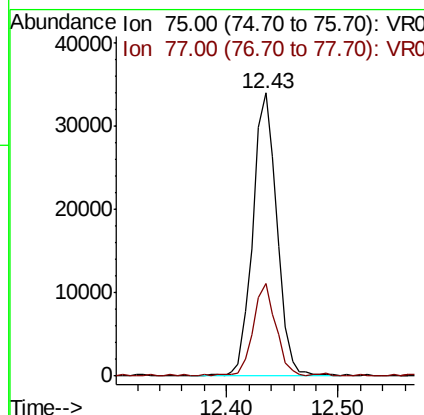
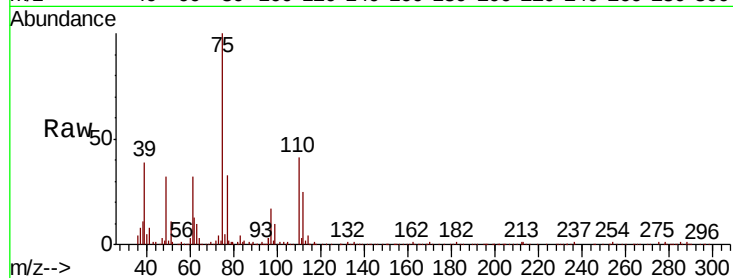
ClientSampleId :

Tot Ion: 75 Resp: 51403

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4



#61

Bromoform

Concen: 5.144 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

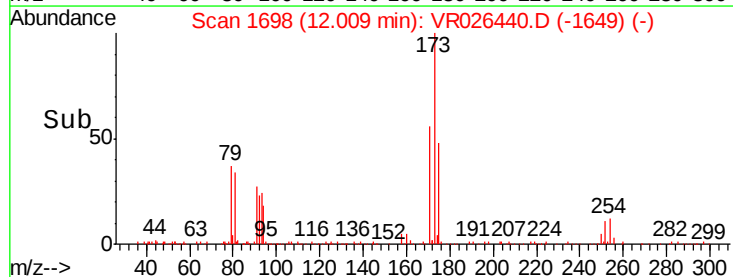
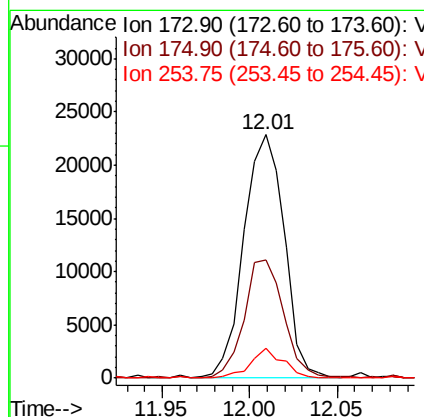
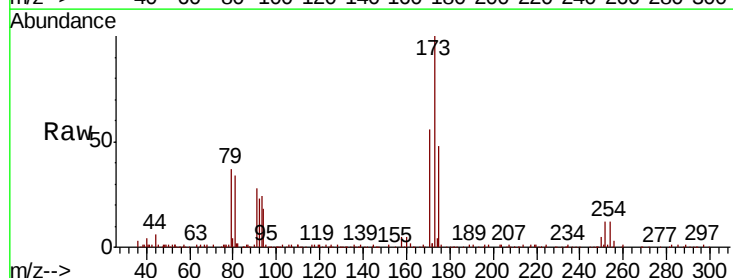
Tgt Ion:173 Resp: 36866

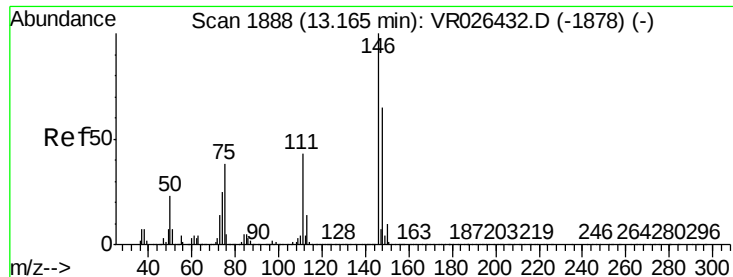
Ion Ratio Lower Upper

173 100

175 47.8 36.6 54.8

254 9.9 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 4.998 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VR026440.D

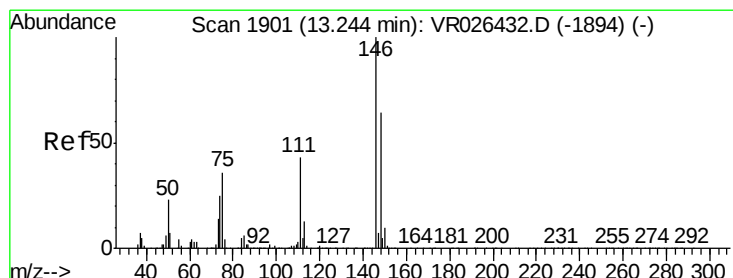
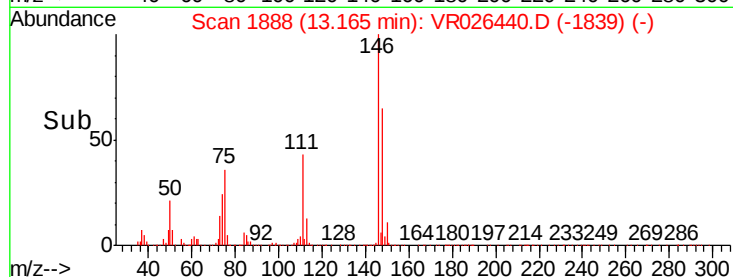
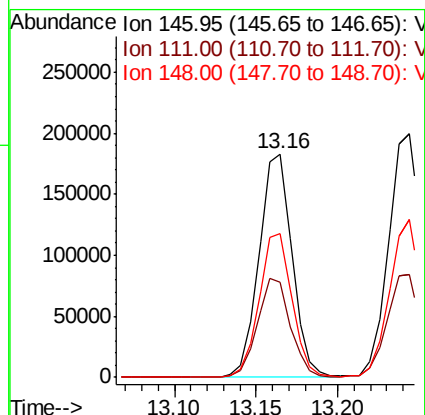
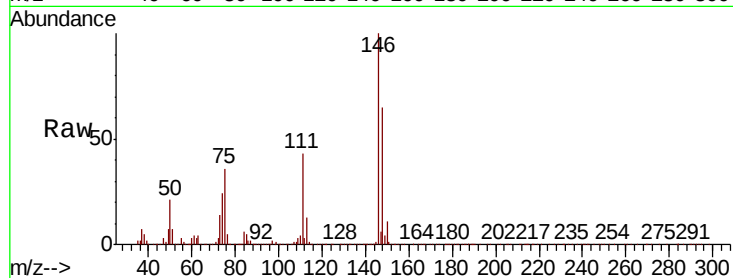
Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampled :

Tot Ion:	146	Resp:	257289
Ion	Ratio	Lower	Upper
146	100		
111	42.6	30.4	56.5
148	64.7	45.4	84.2



#63

1,4-Dichlorobenzene

Concen: 4.931 ug/L

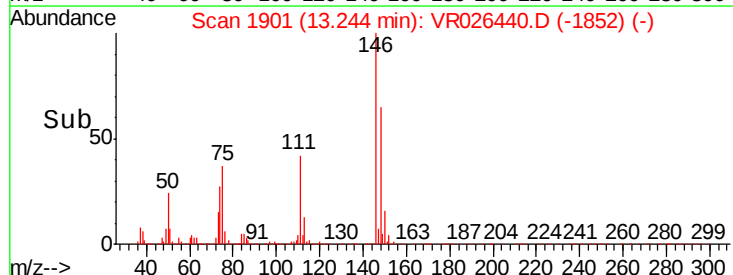
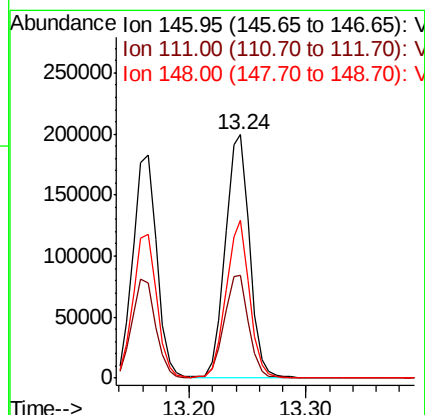
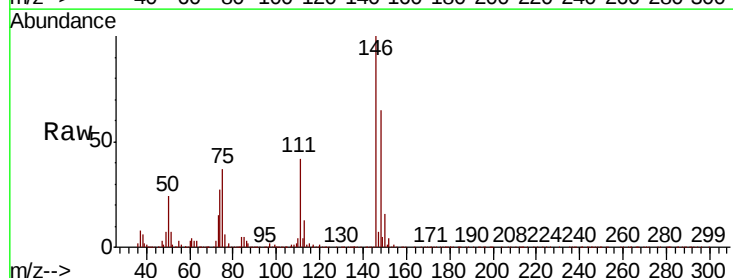
RT: 13.24 min Scan# 1901

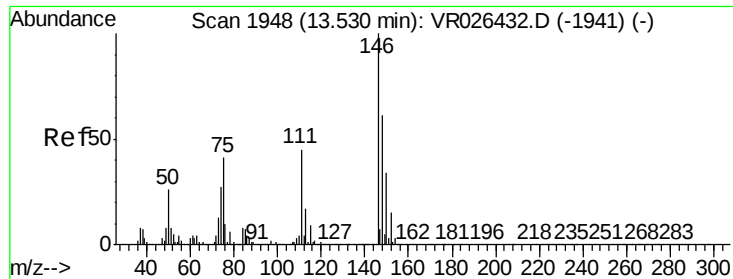
Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Tgt Ion:	146	Resp:	284970
Ion	Ratio	Lower	Upper
146	100		
111	42.5	30.5	56.7
148	64.9	45.0	83.6

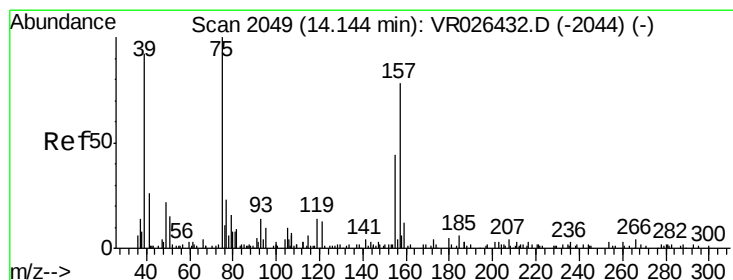
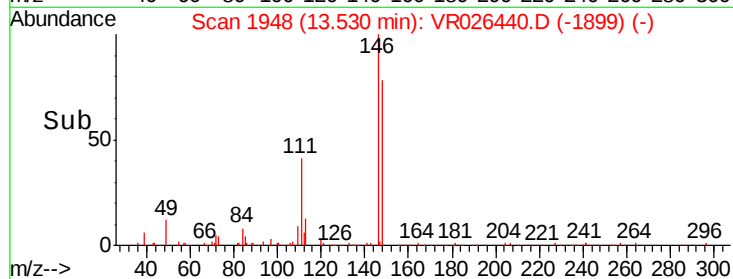
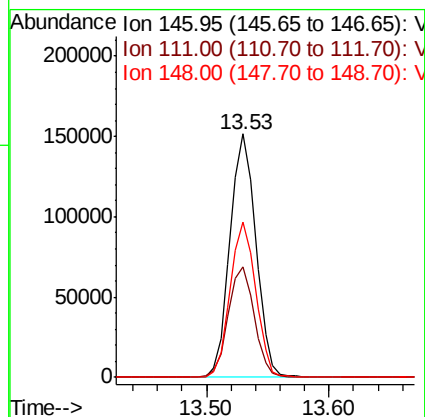
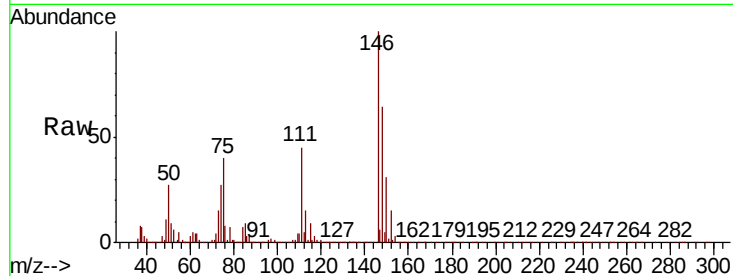




#65
 1,2-Dichlorobenzene
 Concen: 5.182 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

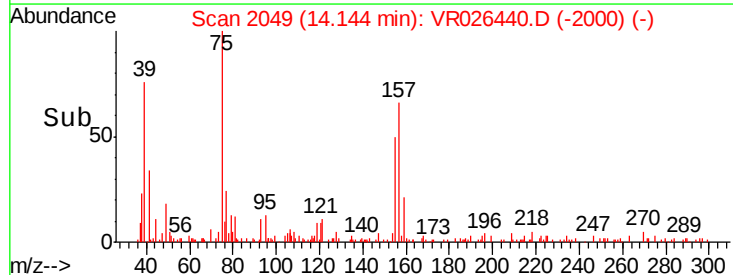
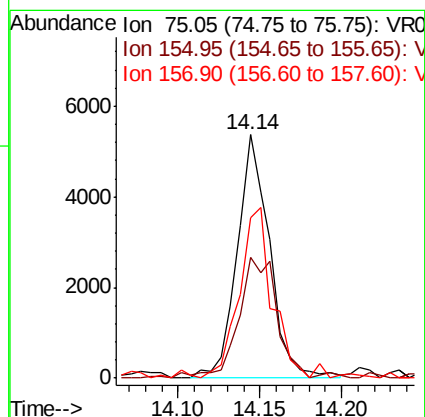
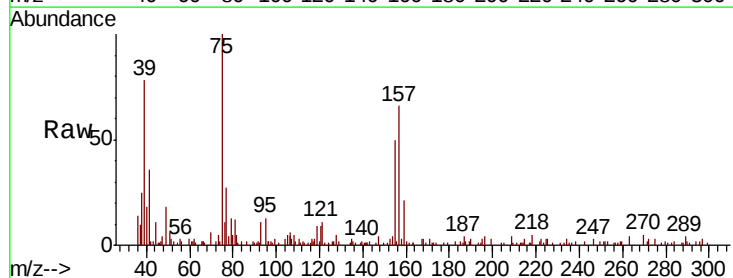
Instrument :
 MSVOA_R
 ClientSampleId :

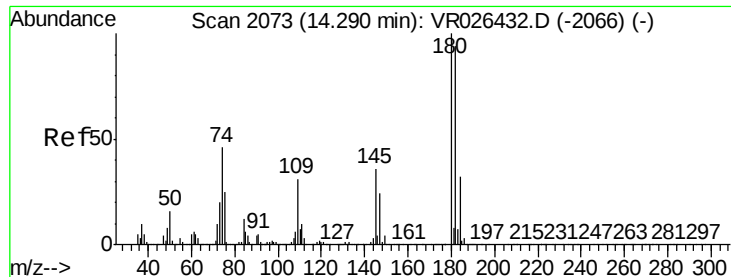
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	35.8	53.6
148	63.8	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.514 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	49.7	36.1	54.1
157	65.8	62.4	93.6

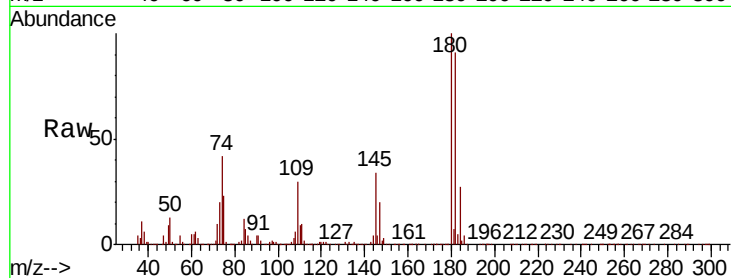




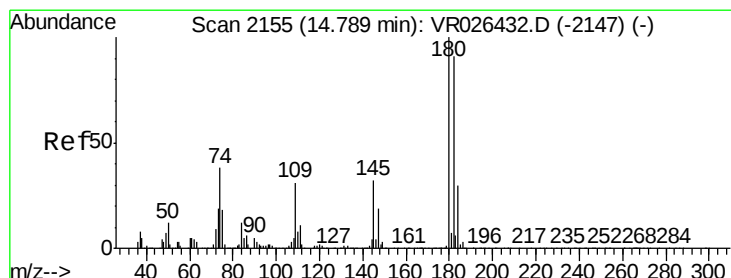
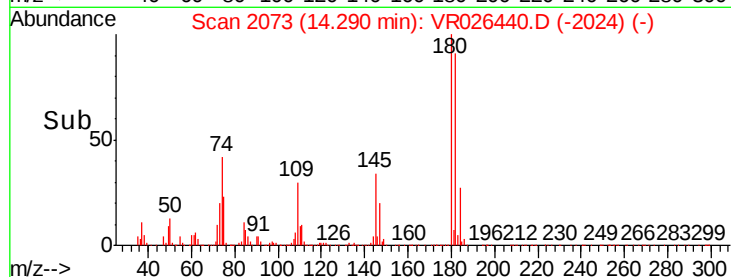
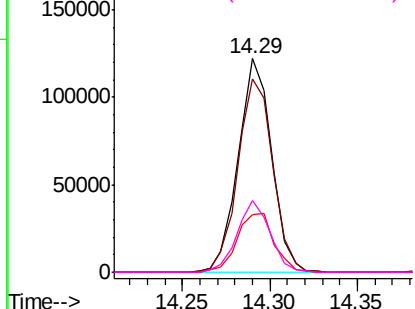
#67
 1,3,5-Trichlorobenzene
 Concen: 4.815 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:	180	Resp:	161965
Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
184	30.4	25.0	37.4
145	33.2	28.0	42.0

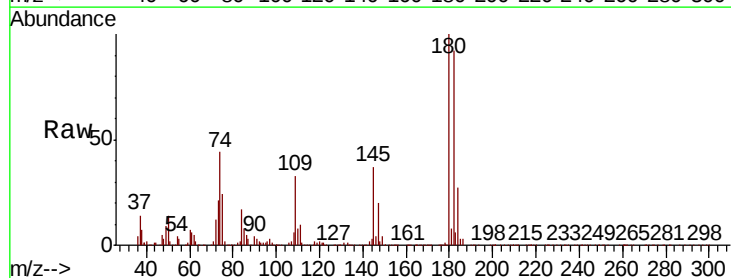


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

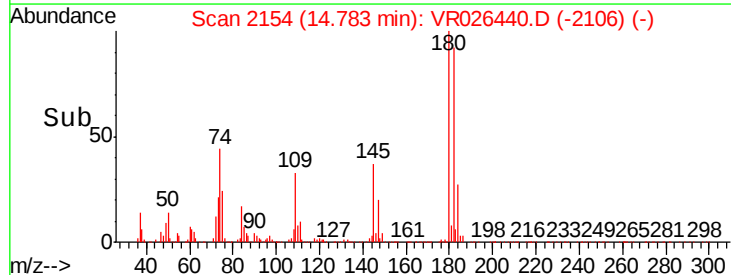
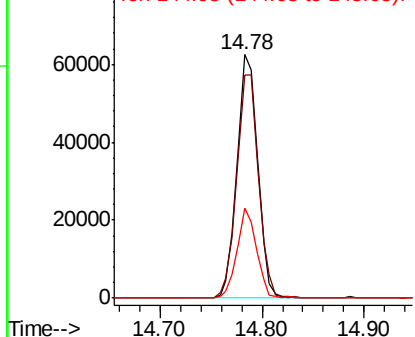


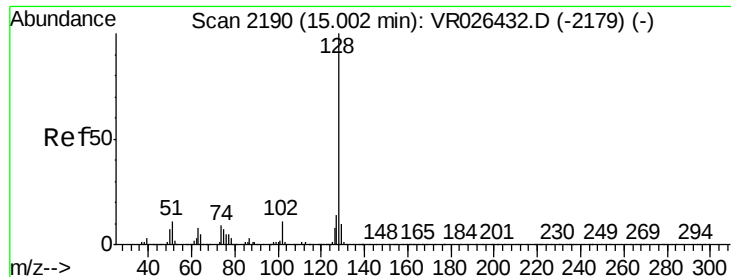
#68
 1,2,4-trichlorobenzene
 Concen: 4.651 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026440.D
 Acq: 4 Apr 2019 11:28

Tgt Ion:	180	Resp:	86928
Ion	Ratio	Lower	Upper
180	100		
182	96.8	73.0	109.6
145	34.8	26.7	40.1



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: 4.654 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

Instrument :

MSVOA_R

ClientSampleId :

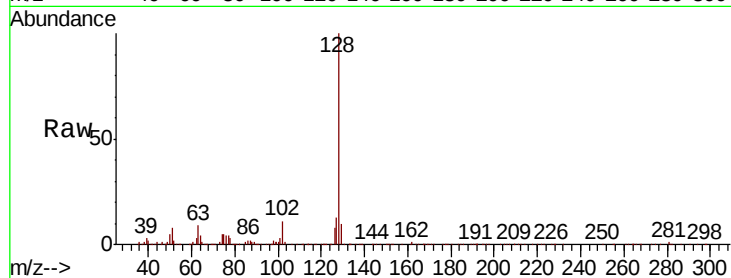
Tot Ion:128 Resp: 81811

Ion Ratio Lower Upper

128 100

127 14.0 11.4 17.0

129 10.7 9.0 13.4

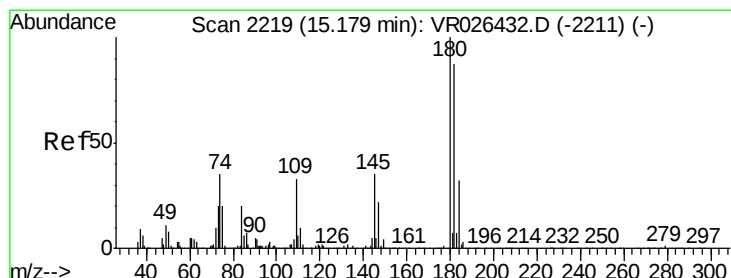
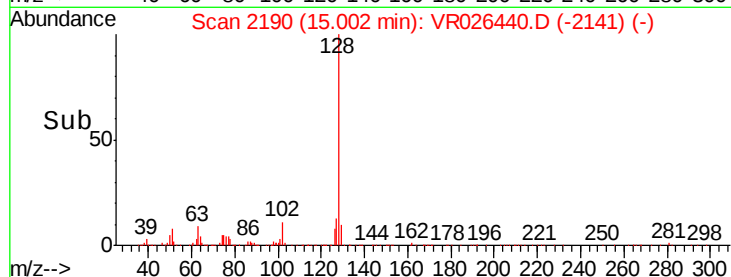
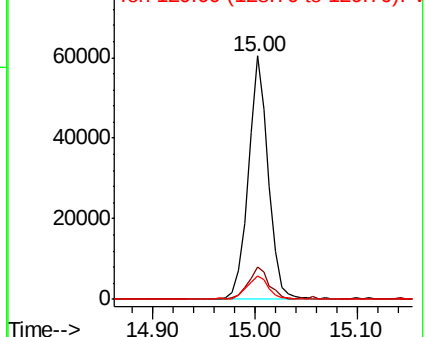


Abundance

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: 5.109 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026440.D

Acq: 4 Apr 2019 11:28

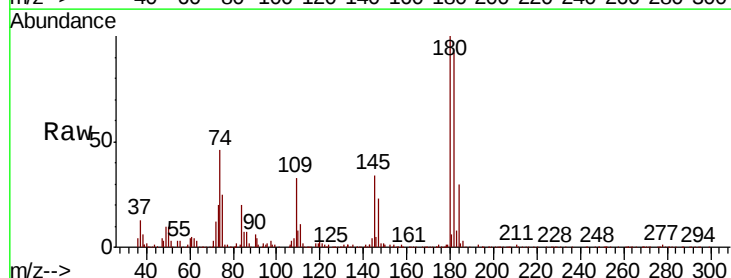
Tgt Ion:180 Resp: 66192

Ion Ratio Lower Upper

180 100

182 96.1 73.1 109.7

145 34.3 28.6 42.8



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

