

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026077.D
 Acq On : 15 Oct 2018 17:20
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 16 08:18:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 15 17:34:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	654166	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	562407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	204707	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	260534	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	2.63	69	212354	4.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.20%
11) 1,1-Dichloroethene-d2	3.62	63	653311	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.00%
20) 2-Butanone-d5	6.59	46	207087	44.06	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.12%
24) Chloroform-d	7.20	84	405621	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	7.89	65	168404	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
32) Benzene-d6	7.85	84	807160	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	8.90	67	206625	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	9.97	98	786855	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.24	79	54816	4.48	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.60%
46) 2-Hexanone-d5	10.59	63	165470	46.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	80188	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	142082	4.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	208410	4.743	ug/L	94
3) Chloromethane	2.01	50	364289	5.221	ug/L	97
5) Vinyl chloride	2.17	62	349413	5.027	ug/L	98
6) Bromomethane	2.53	94	207564	4.521	ug/L	95
8) Chloroethane	2.67	64	203713	4.729	ug/L	94
9) Trichlorofluoromethane	2.93	101	177756	1.771	ug/L #	30
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	316759	5.295	ug/L	97
12) 1,1-Dichloroethene	3.63	96	331455	5.210	ug/L	98
13) Acetone	3.70	43	243081	50.027	ug/L	98
14) Carbon disulfide	3.94	76	876088	5.268	ug/L	96
15) Methyl Acetate	4.20	43	60721	4.784	ug/L	96
16) Methylene chloride	4.40	84	271296	4.703	ug/L	96
17) Methyl tert-butyl Ether	4.89	73	269936	4.674	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	241877	5.028	ug/L	96
19) 1,1-Dichloroethane	5.69	63	444102	4.917	ug/L	100
21) 2-Butanone	6.69	43	282472	50.392	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	233631	5.134	ug/L #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

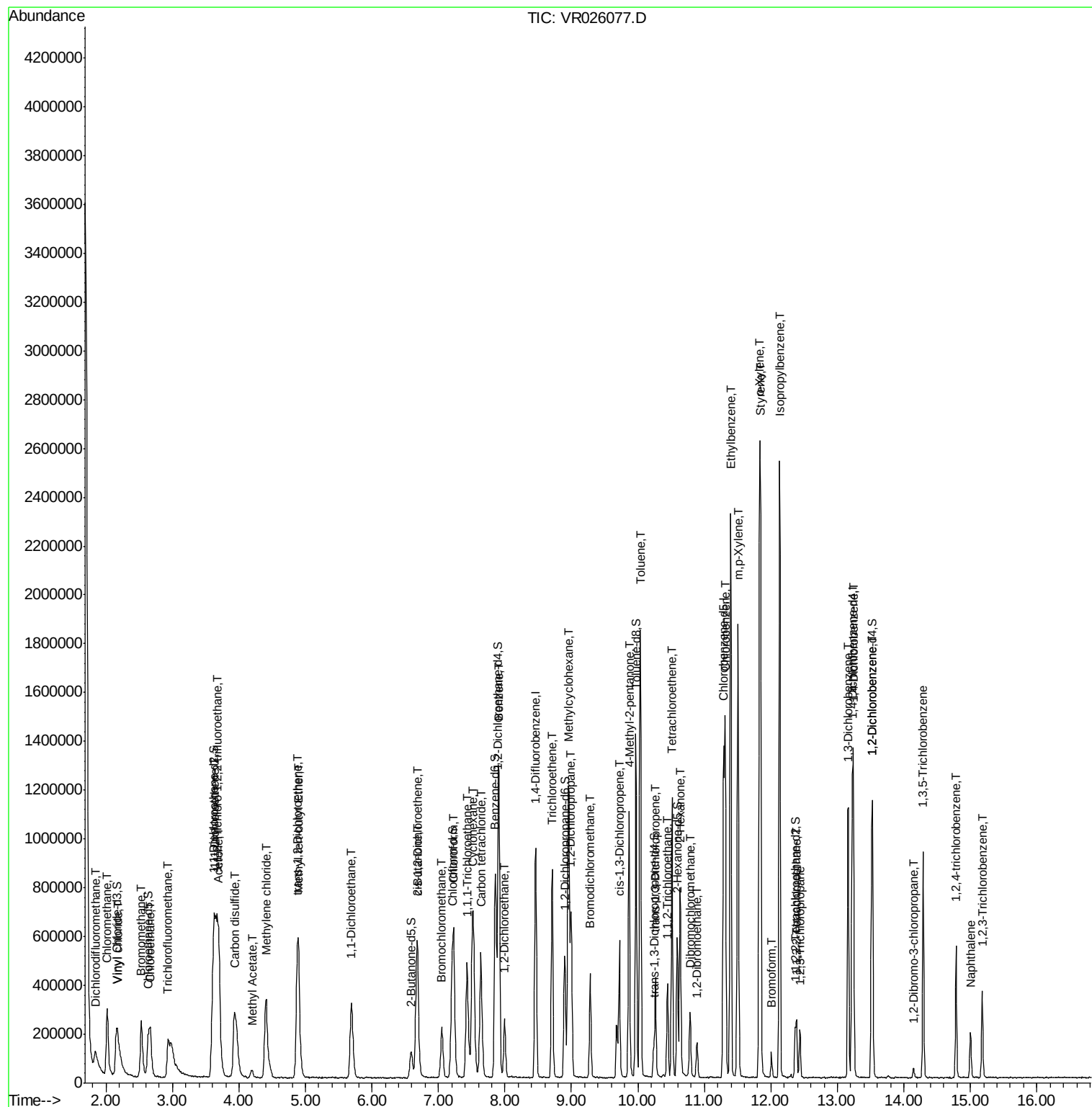
23) Bromochloromethane	7.05	128	63514	4.976	ug/L	93
25) Chloroform	7.23	83	439096	4.981	ug/L	99
27) 1,2-Dichloroethane	7.99	62	210542	4.880	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	393687	5.123	ug/L	99
30) Cyclohexane	7.51	56	437348	5.669	ug/L	99
31) Carbon tetrachloride	7.63	117	366285	5.242	ug/L	100
33) Benzene	7.91	78	1071445	5.077	ug/L	100
34) Trichloroethene	8.71	95	281627	5.214	ug/L	96
35) Methylcyclohexane	8.95	83	449302	5.587	ug/L	100
37) 1,2-Dichloropropane	9.00	63	221242	4.969	ug/L	99
38) Bromodichloromethane	9.28	83	249456	5.210	ug/L #	97
39) cis-1,3-Dichloropropene	9.72	75	268100	5.261	ug/L	100
40) 4-Methyl-2-pentanone	9.87	43	685065	50.383	ug/L	100
42) Toluene	10.04	91	1155263	5.187	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	180712	5.076	ug/L	95
45) 1,1,2-Trichloroethane	10.45	97	93492	4.978	ug/L	97
47) Tetrachloroethene	10.51	164	193614	5.020	ug/L	97
48) 2-Hexanone	10.63	43	463314	52.171	ug/L	99
49) Dibromochloromethane	10.79	129	109317	5.172	ug/L	94
50) 1,2-Dibromoethane	10.89	107	79144	4.878	ug/L #	84
51) Chlorobenzene	11.32	112	621486	5.040	ug/L	98
52) Ethylbenzene	11.39	91	1379106	5.385	ug/L	100
53) m,p-Xylene	11.50	106	502740	5.387	ug/L	97
54) o-Xylene	11.83	106	457934	5.353	ug/L	99
55) Styrene	11.84	104	711943	5.407	ug/L	96
56) Isopropylbenzene	12.13	105	1327198	5.586	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	89638	4.696	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	66126	4.719	ug/L	99
61) Bromoform	12.01	173	37830	5.317	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	353499	5.198	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	358734	5.094	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	274418	5.028	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	9214	4.143	ug/L #	72
67) 1,3,5-Trichlorobenzene	14.29	180	203204	4.904	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	119006	4.921	ug/L	99
69) Naphthalene	15.00	128	122231	5.204	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	84394	5.024	ug/L	99

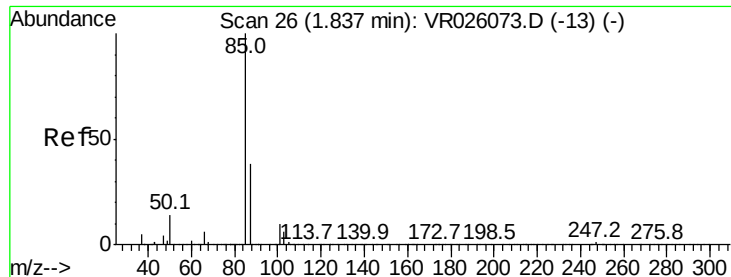
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.743 ug/L

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

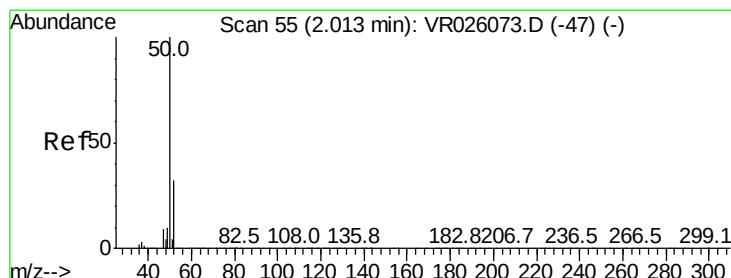
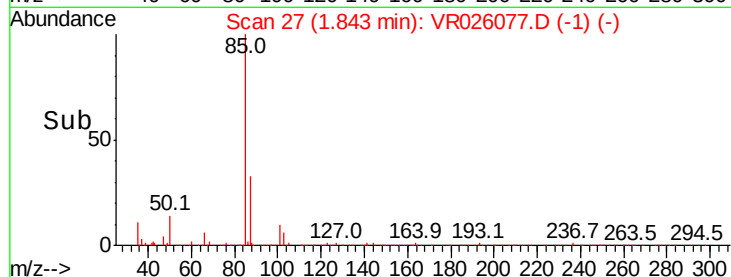
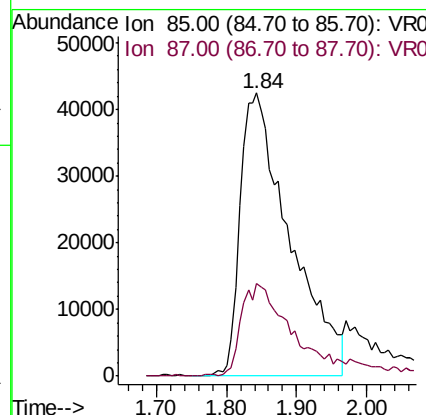
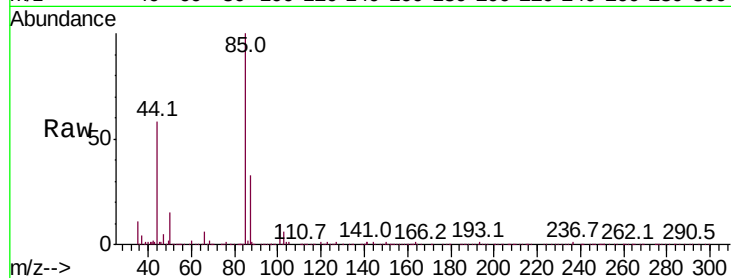
ClientSampleId :

Tot Ion: 85 Resp: 208410

Ion Ratio Lower Upper

85 100

87 32.4 23.4 35.2



#3

Chloromethane

Concen: 5.221 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026077.D

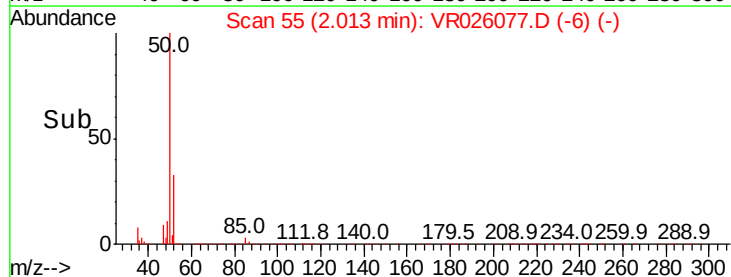
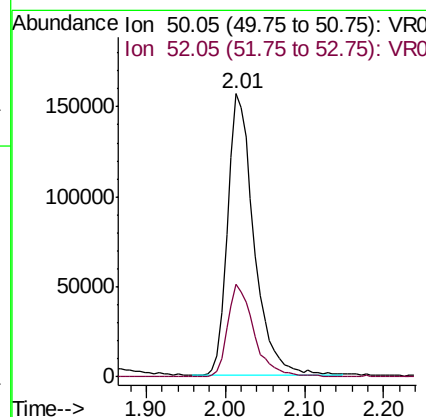
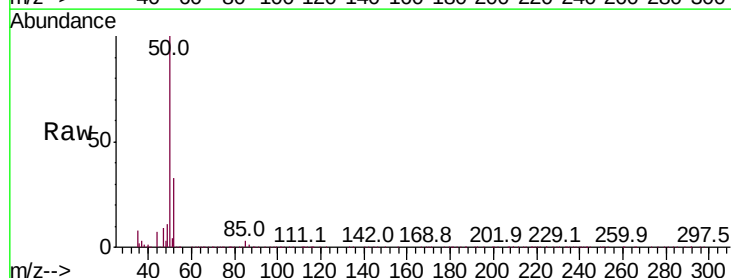
Acq: 15 Oct 2018 17:20

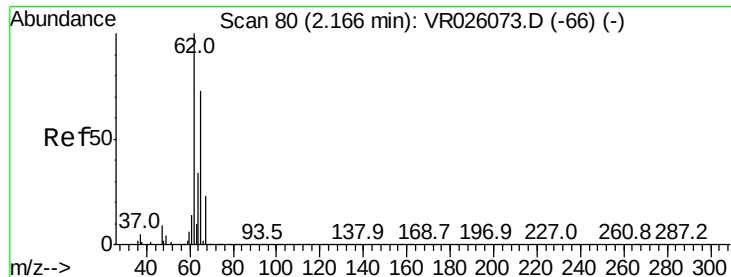
Tgt Ion: 50 Resp: 364289

Ion Ratio Lower Upper

50 100

52 32.9 22.0 40.8





#5

Vinyl chloride

Concen: 5.027 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

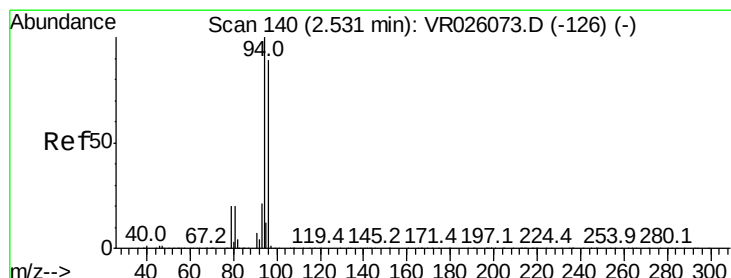
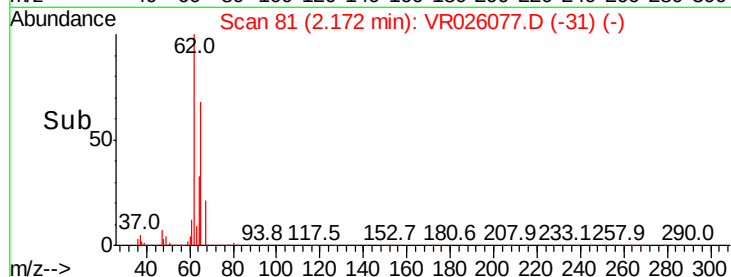
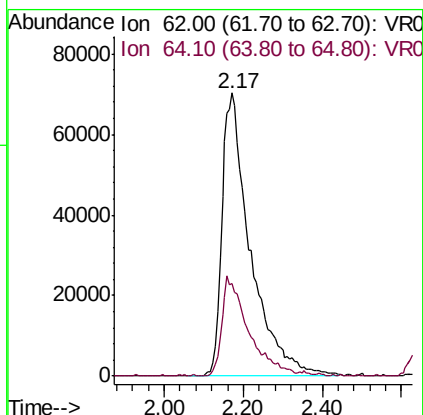
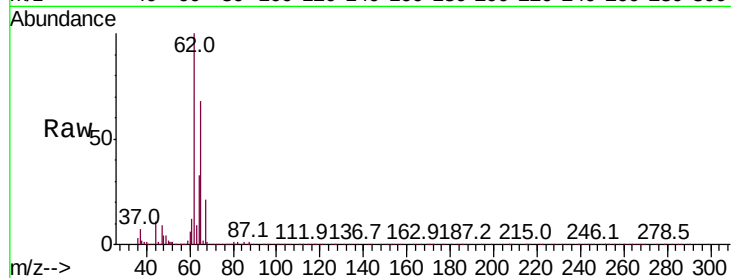
ClientSampleId :

Tot Ion: 62 Resp: 349413

Ion Ratio Lower Upper

62 100

64 32.7 23.9 44.3



#6

Bromomethane

Concen: 4.521 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.00 min

Lab File: VR026077.D

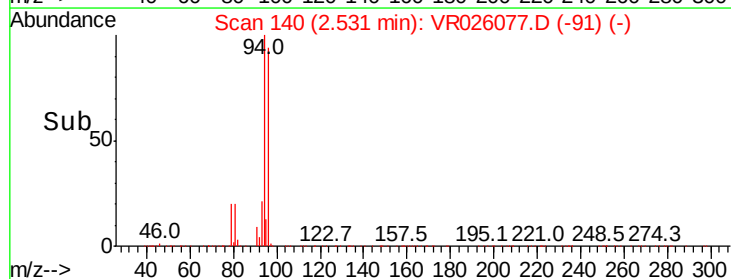
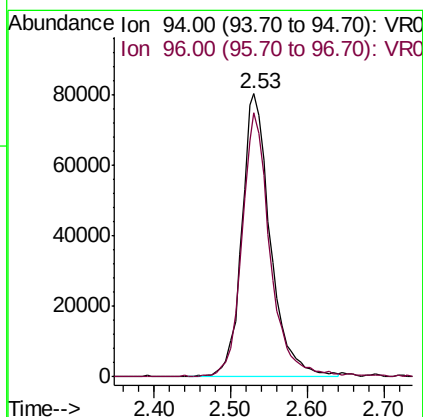
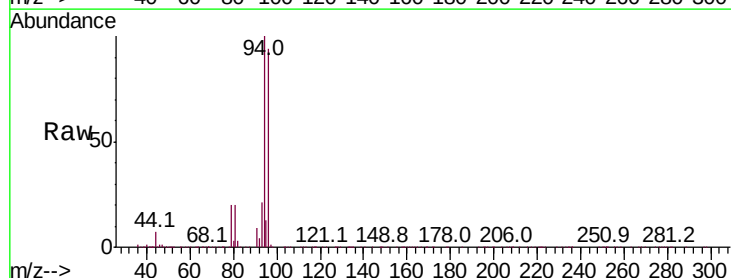
Acq: 15 Oct 2018 17:20

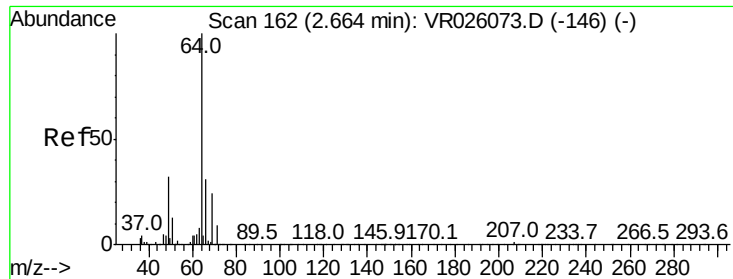
Tgt Ion: 94 Resp: 207564

Ion Ratio Lower Upper

94 100

96 93.5 62.5 116.1





#8

Chloroethane

Concen: 4.729 ug/L

RT: 2.67 min Scan# 163

Delta R.T. 0.01 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

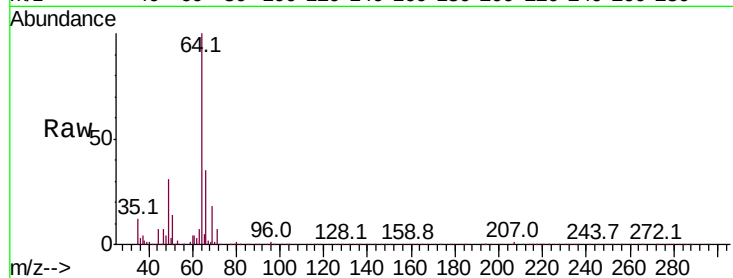
ClientSampleId :

Tot Ion: 64 Resp: 203713

Ion Ratio Lower Upper

64 100

66 34.9 22.0 40.8



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

80000

60000

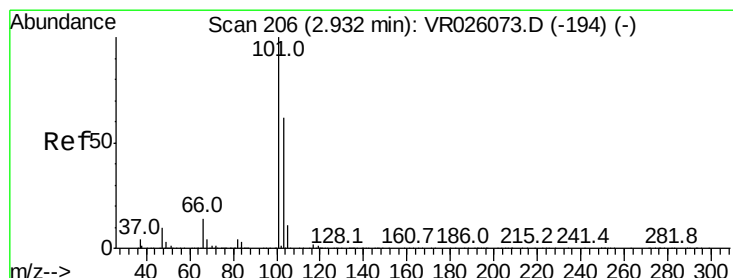
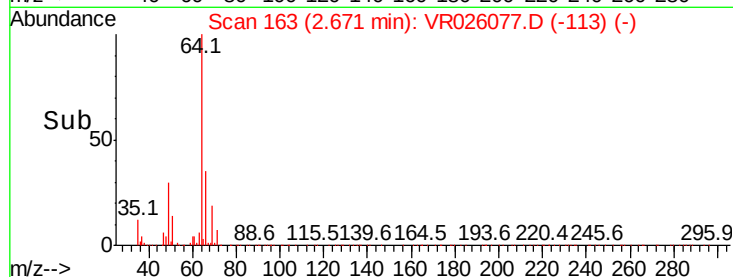
40000

20000

0

Time-->

2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.771 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026077.D

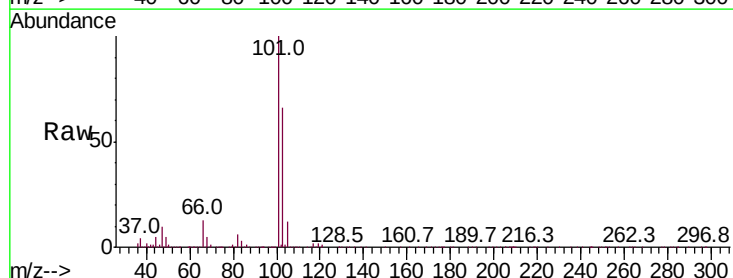
Acq: 15 Oct 2018 17:20

Tgt Ion: 101 Resp: 177756

Ion Ratio Lower Upper

101 100

103 71.8 26.0 39.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

80000

60000

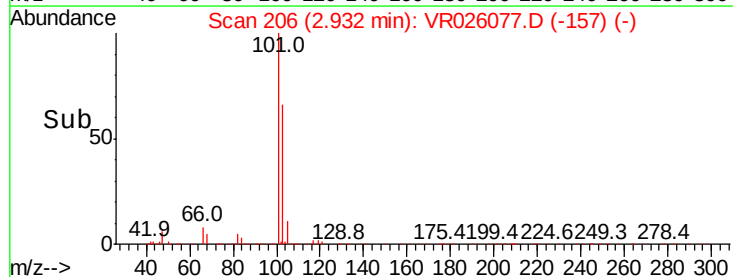
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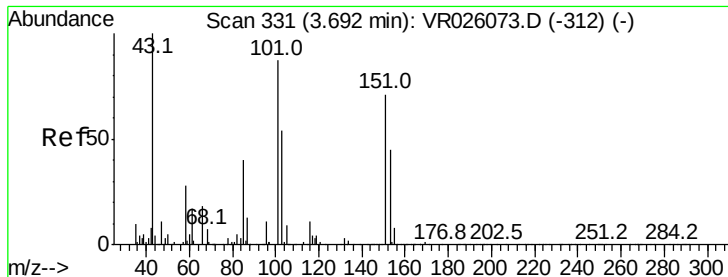
20000

0

Time-->

2.85 2.90 2.95





#10

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

Concen: 5.295 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :
MSVOA_R
ClientSampled :

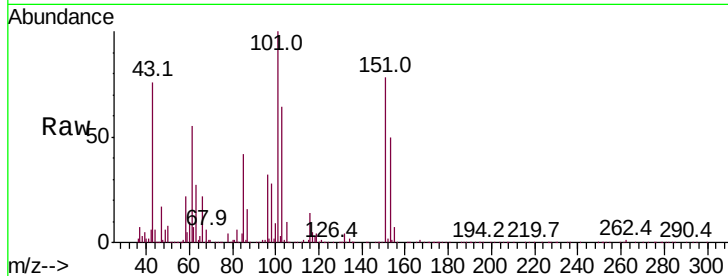
Tot Ion:101 Resp: 316759

Ion Ratio Lower Upper

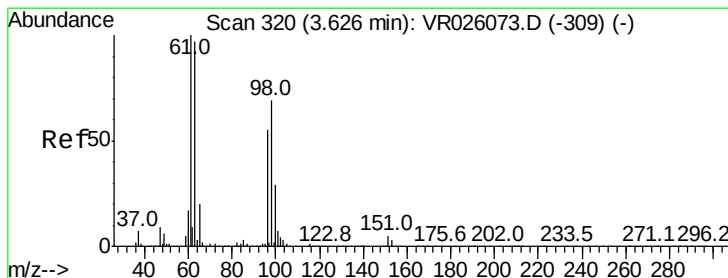
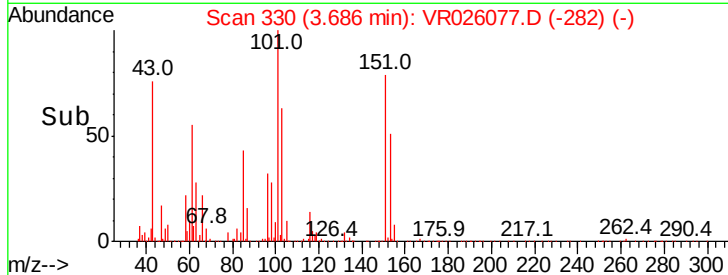
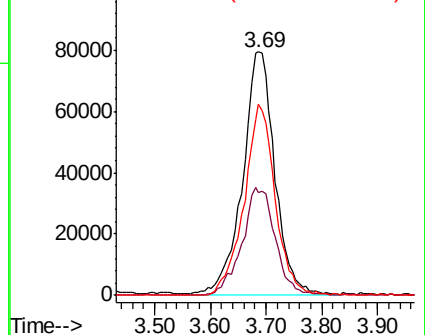
101 100

85 46.0 37.8 56.8

151 76.4 63.2 94.8



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: 5.210 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

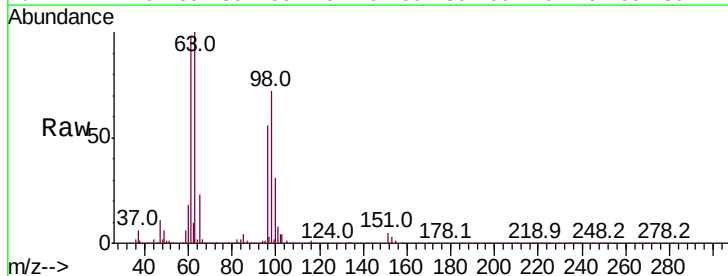
Tgt Ion: 96 Resp: 331455

Ion Ratio Lower Upper

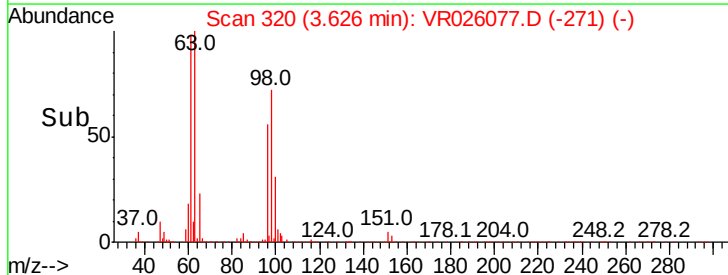
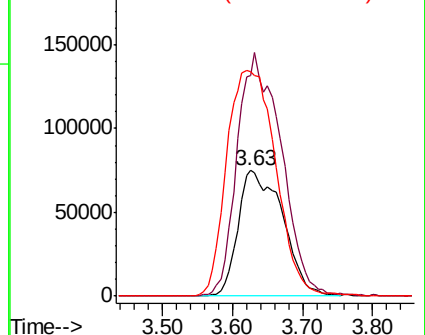
96 100

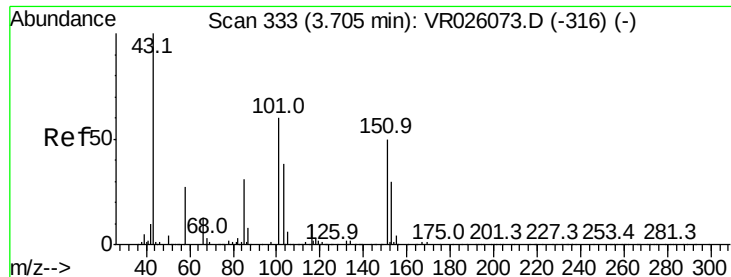
61 176.2 126.7 235.3

63 179.2 125.0 232.2



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

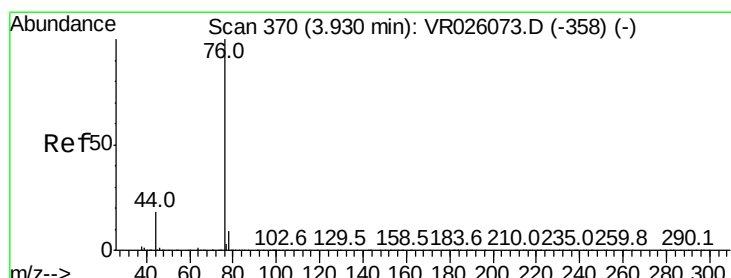
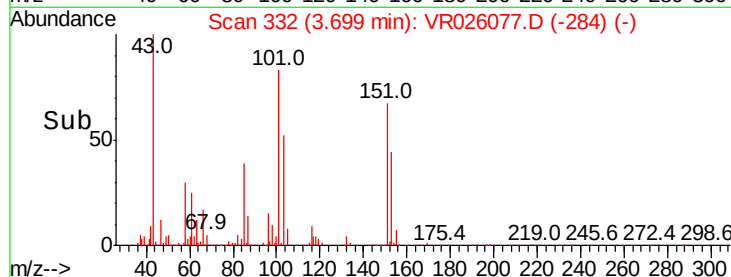
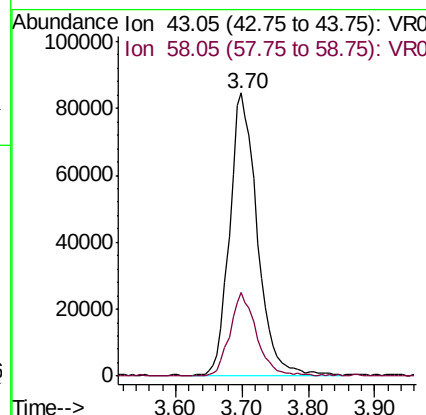
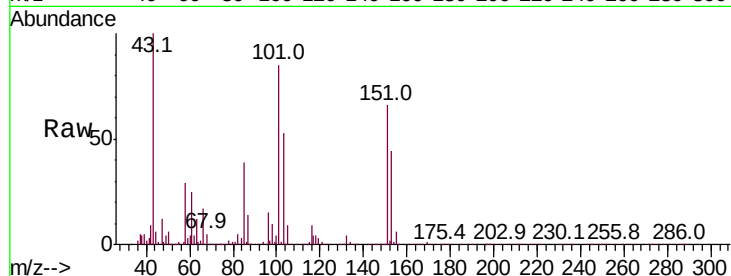




#13
Acetone
Concen: 50.027 ug/L
RT: 3.70 min Scan# 332
Delta R.T. -0.01 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

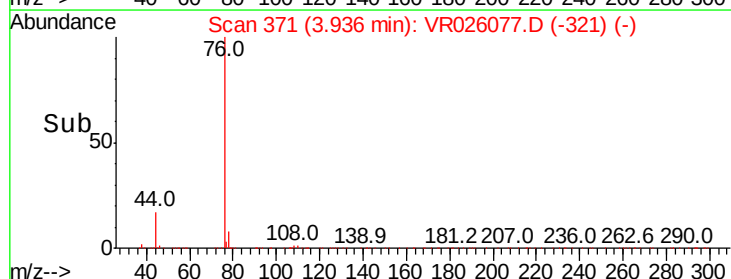
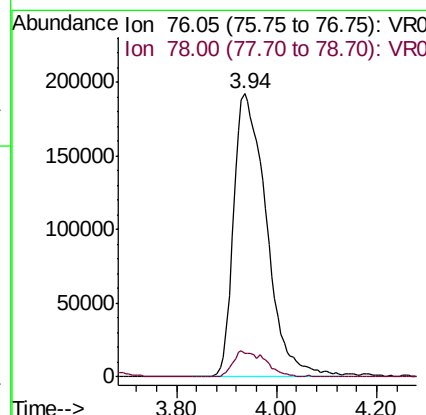
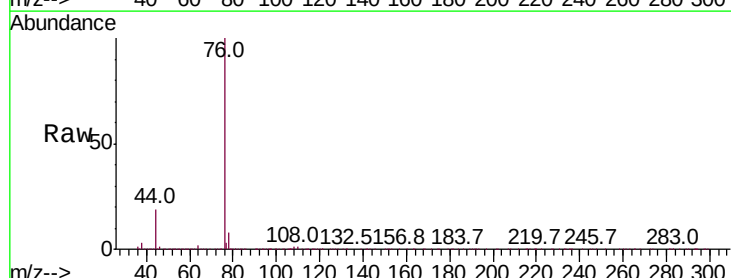
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ClientSampleId :

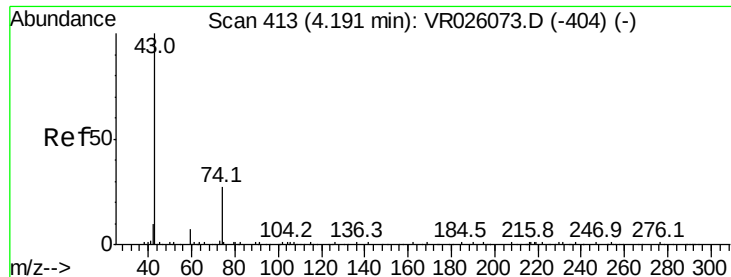
Tot Ion: 43 Resp: 243081
Ion Ratio Lower Upper
43 100
58 28.7 0.0 55.4



#14
Carbon disulfide
Concen: 5.268 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.01 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion: 76 Resp: 876088
Ion Ratio Lower Upper
76 100
78 8.1 7.6 11.4

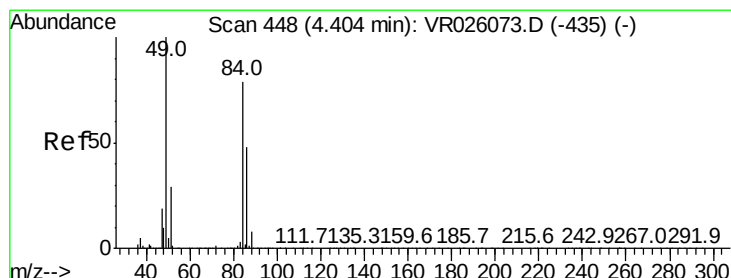
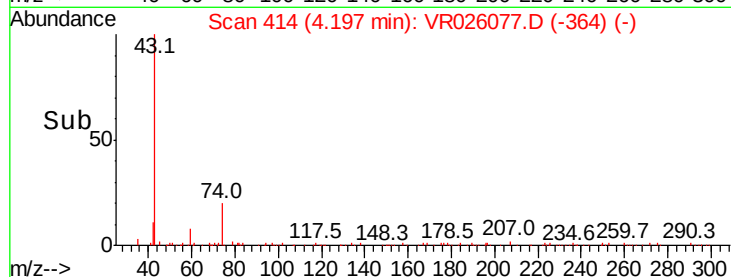
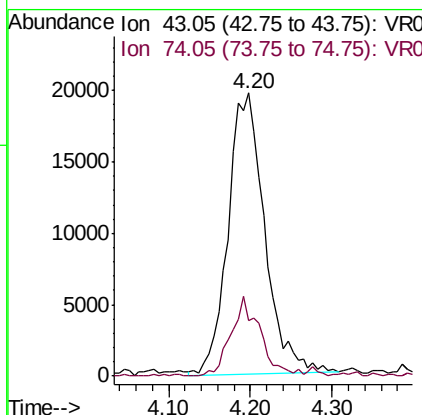
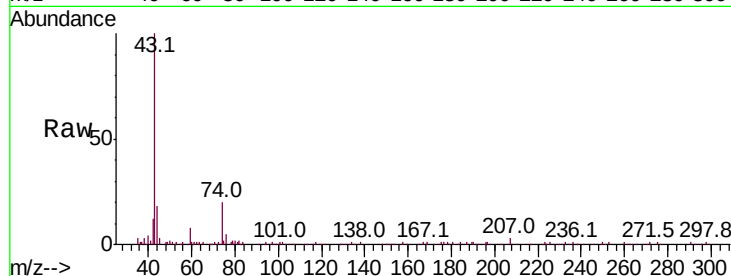




#15
Methyl Acetate
Concen: 4.784 ug/L
RT: 4.20 min Scan# 414
Delta R.T. 0.01 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

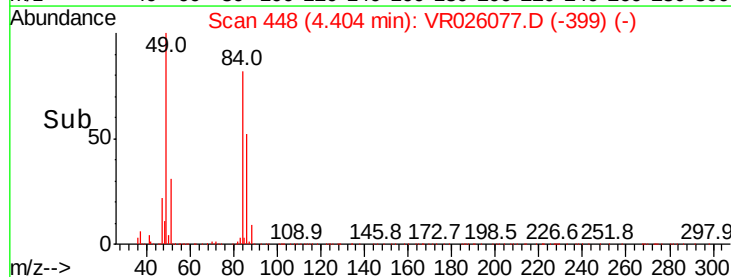
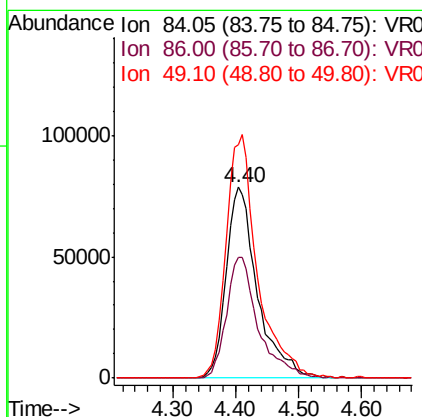
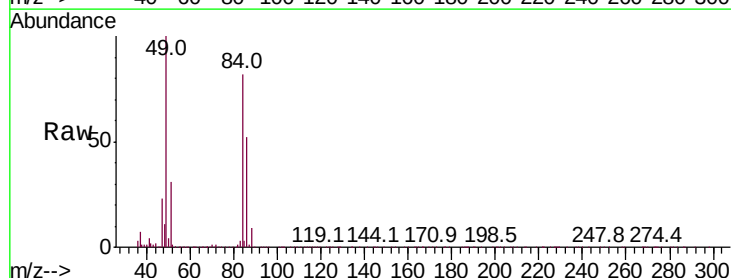
Instrument :
MSVOA_R
ClientSampleId :

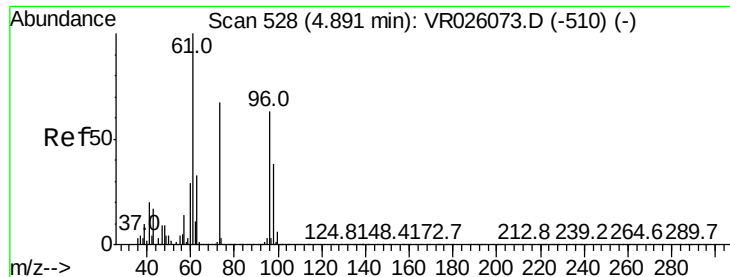
Tot Ion: 43 Resp: 60721
Ion Ratio Lower Upper
43 100
74 22.9 19.8 29.8



#16
Methylene chloride
Concen: 4.703 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion: 84 Resp: 271296
Ion Ratio Lower Upper
84 100
86 63.7 43.0 79.8
49 122.2 89.1 165.5





#17

Methyl tert-butyl Ether

Concen: 4.674 ug/L

RT: 4.89 min Scan# 528

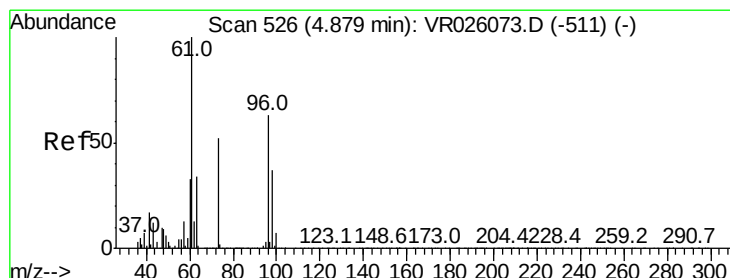
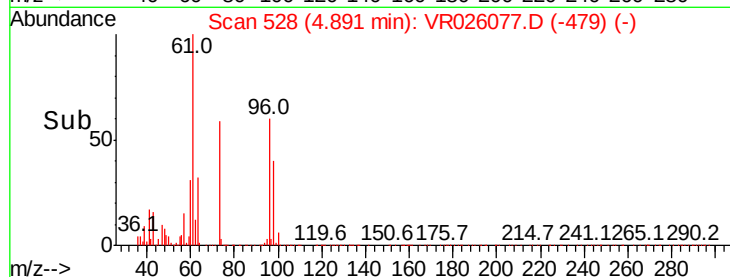
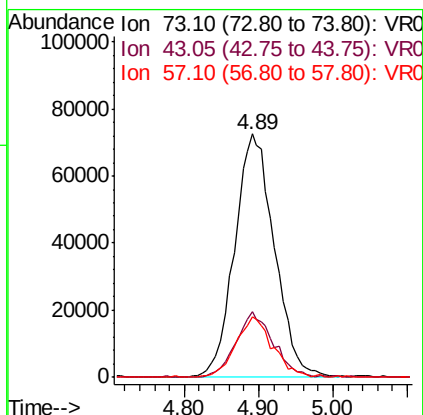
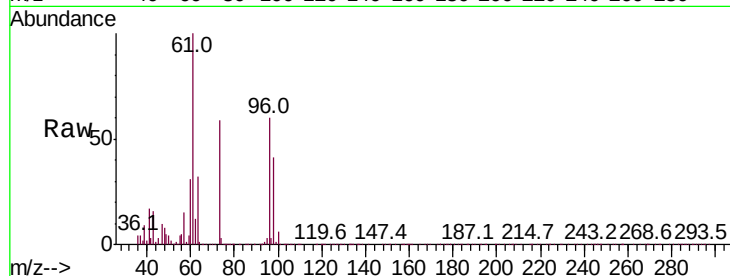
Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.0	20.1	30.1
57	22.9	19.0	28.4



#18

trans-1,2-Dichloroethene

Concen: 5.028 ug/L

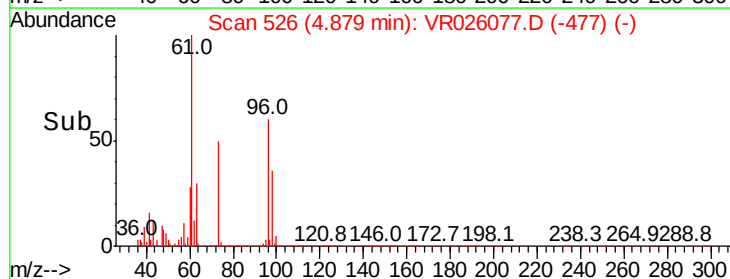
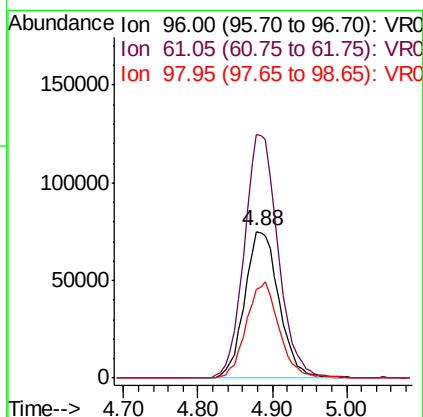
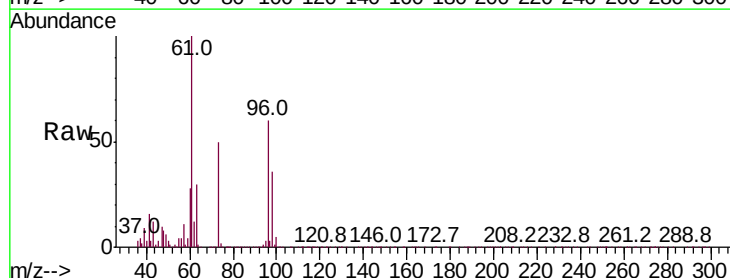
RT: 4.88 min Scan# 526

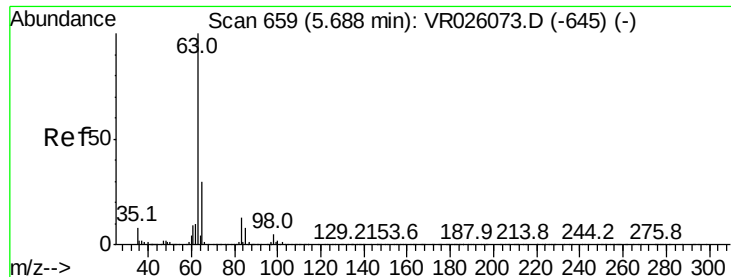
Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	111.4	206.8
98	60.2	41.4	77.0

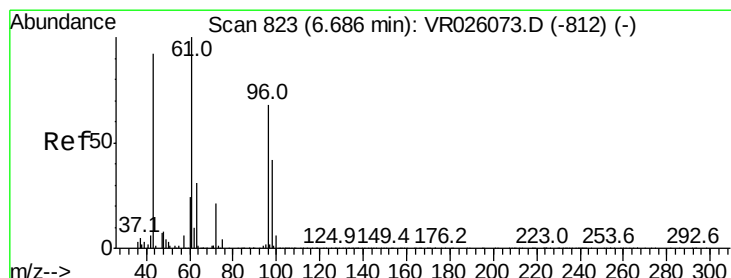
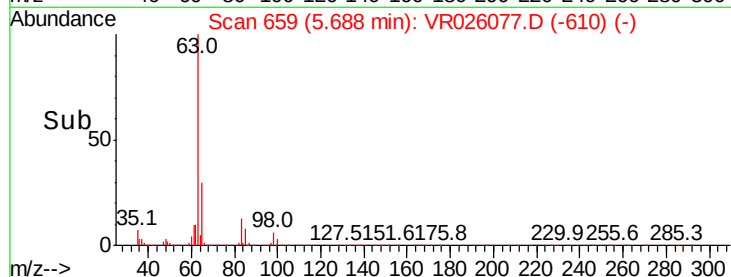
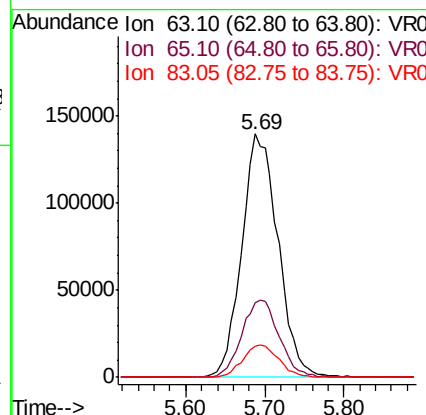
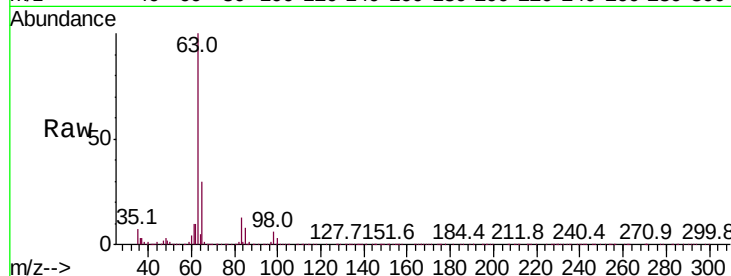




#19
 1,1-Dichloroethane
 Concen: 4.917 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

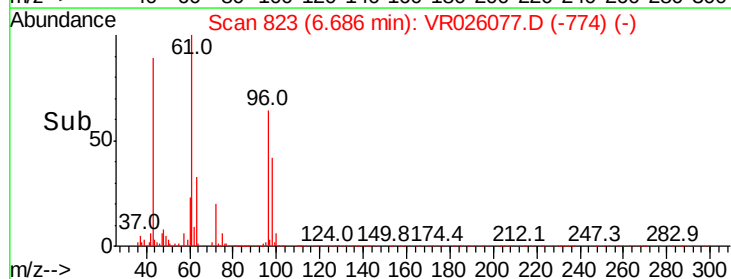
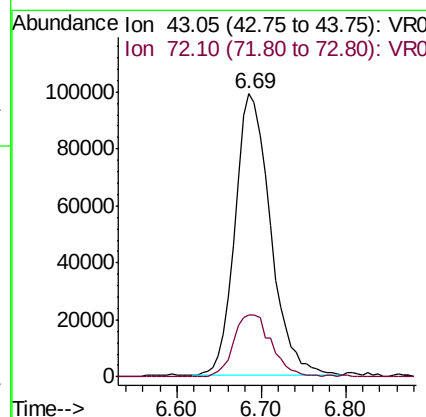
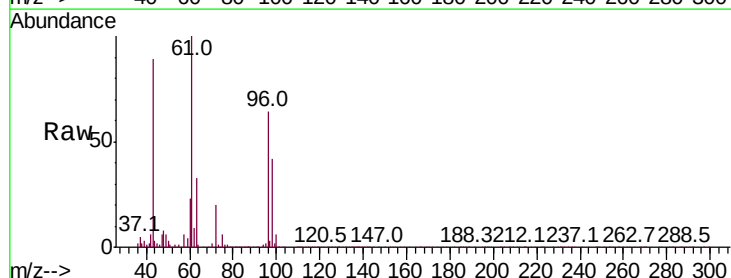
Instrument :
 MSVOA_R
 ClientSampleId :

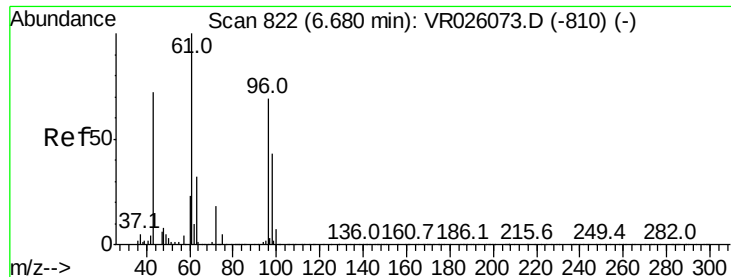
Tot Ion: 63 Resp: 444102
 Ion Ratio Lower Upper
 63 100
 65 30.5 21.2 39.4
 83 13.0 9.2 17.2



#21
 2-Butanone
 Concen: 50.392 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion: 43 Resp: 282472
 Ion Ratio Lower Upper
 43 100
 72 23.9 12.3 36.8



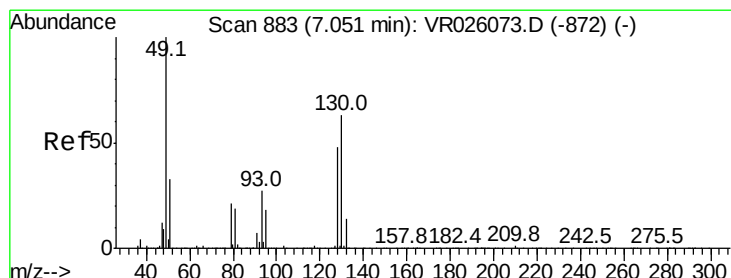
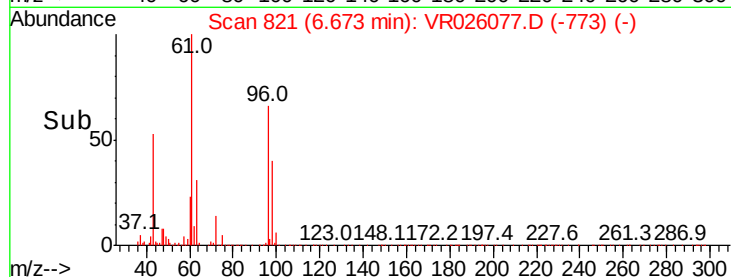
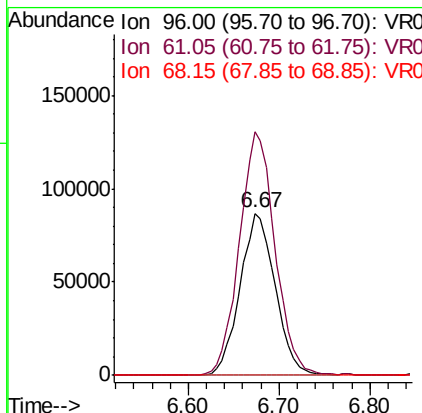
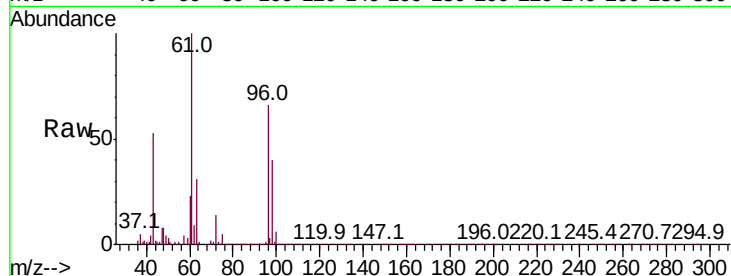


#22

cis-1,2-Dichloroethene
Concen: 5.134 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.01 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Instrument :
MSVOA_R
ClientSampleId :

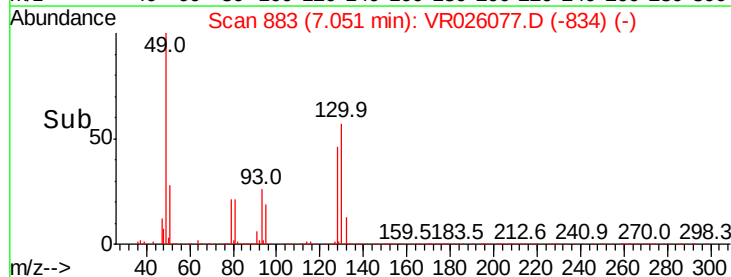
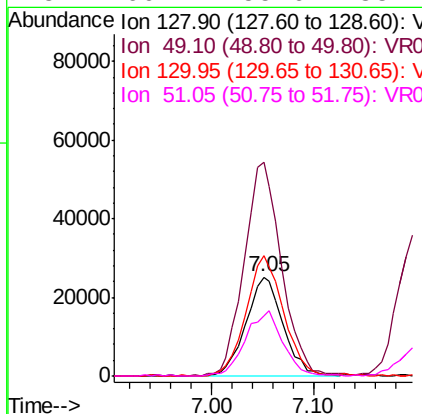
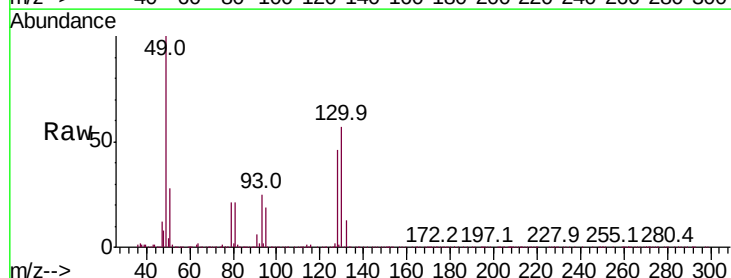
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.5	101.8	189.0
68	0.1	0.1	0.3

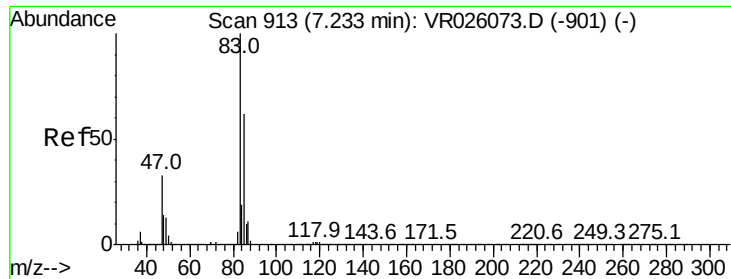


#23

Bromochloromethane
Concen: 4.976 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion	Ratio	Lower	Upper
128	100		
49	215.5	146.2	271.4
130	121.9	92.5	171.7
51	60.4	55.6	83.4

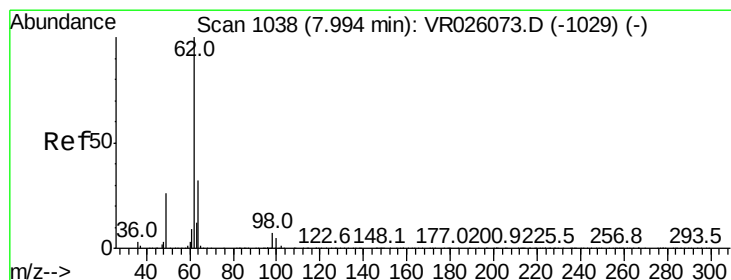
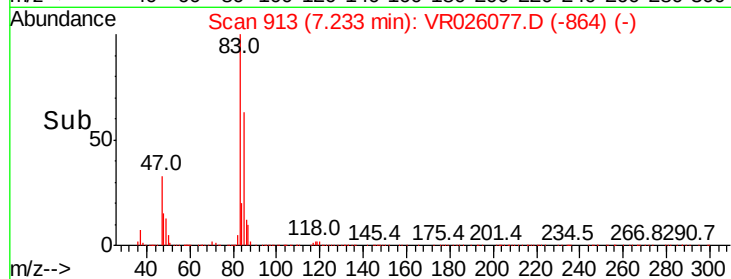
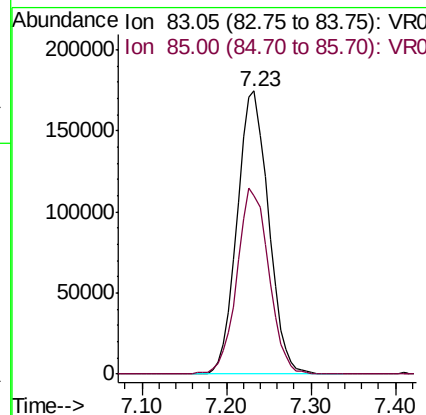
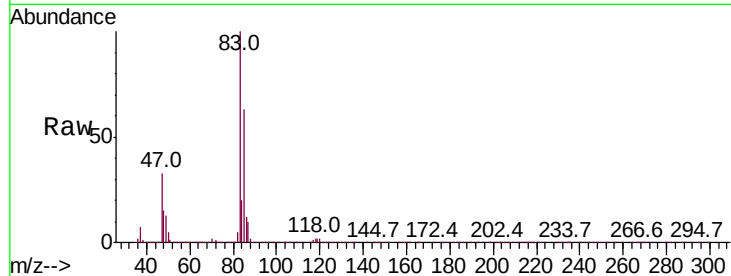




#25
Chloroform
Concen: 4.981 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

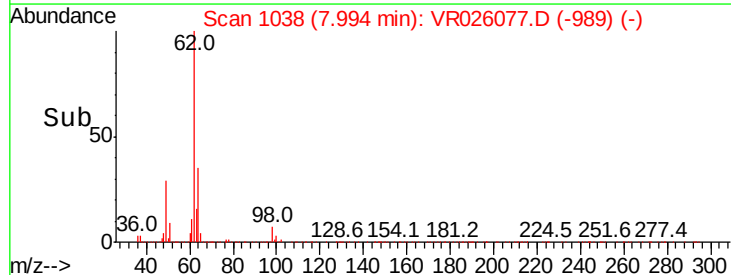
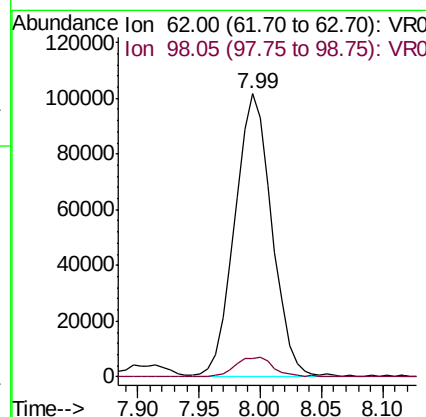
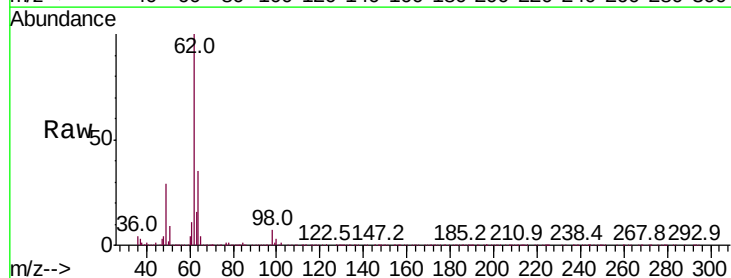
Instrument :
MSVOA_R
ClientSampled :

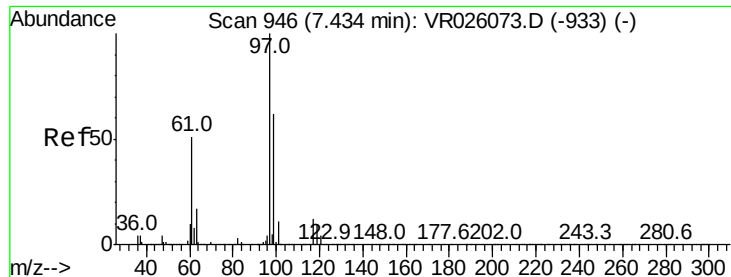
Tot Ion: 83 Resp: 439096
Ion Ratio Lower Upper
83 100
85 63.0 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.880 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion: 62 Resp: 210542
Ion Ratio Lower Upper
62 100
98 6.7 5.6 8.4

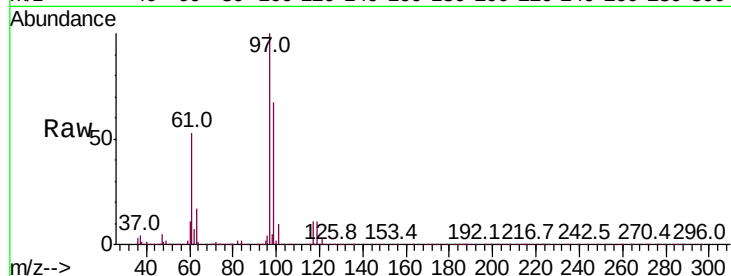




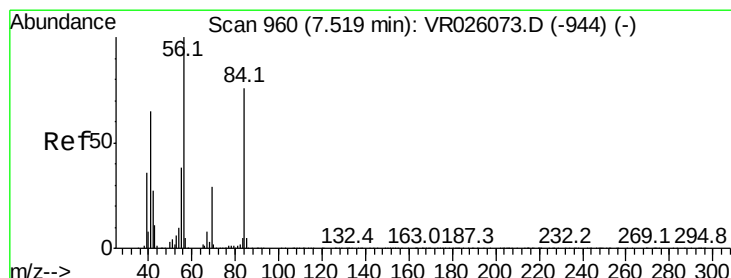
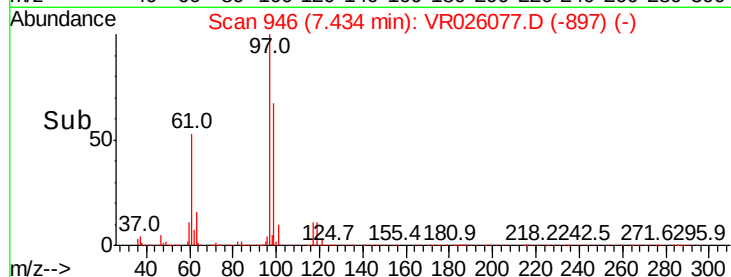
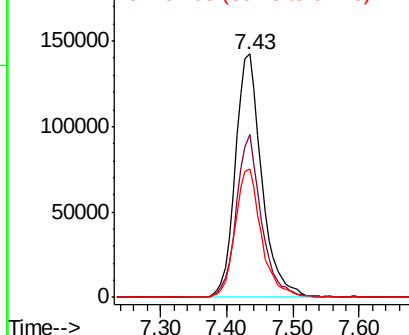
#29
 1,1,1-Trichloroethane
 Concen: 5.123 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.1	76.7
61	52.8	42.1	63.1

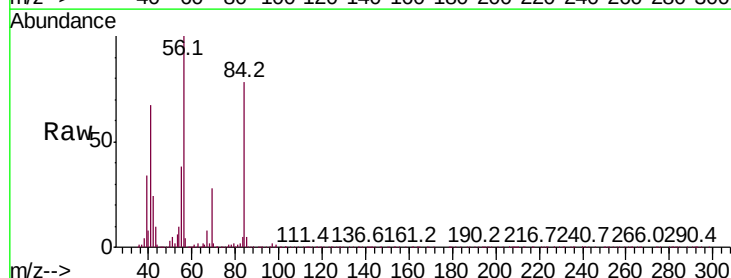


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

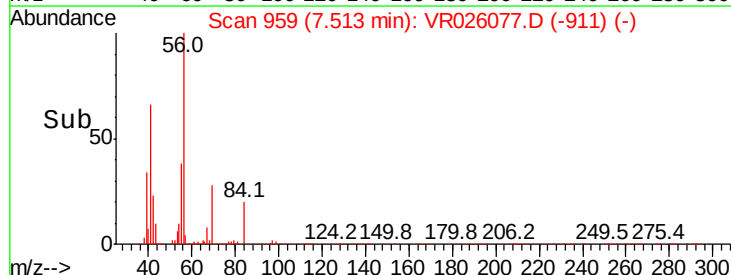
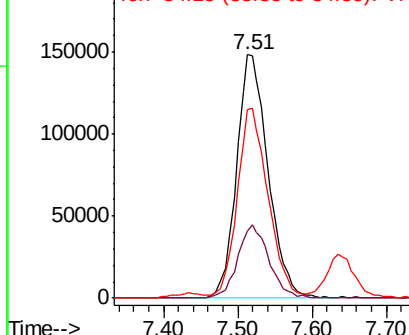


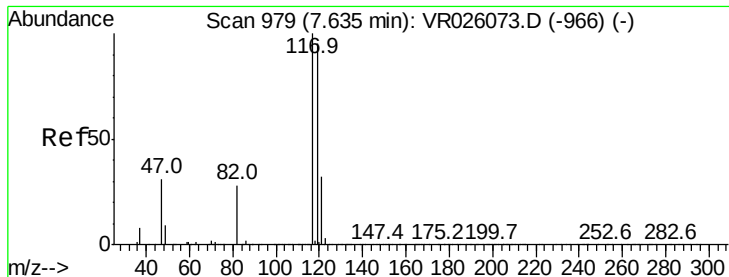
#30
 Cyclohexane
 Concen: 5.669 ug/L
 RT: 7.51 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.8	35.8
84	77.0	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
 Ion 69.15 (68.85 to 69.85): VR0
 Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.242 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

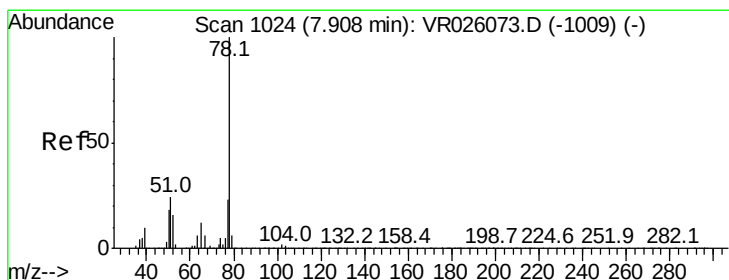
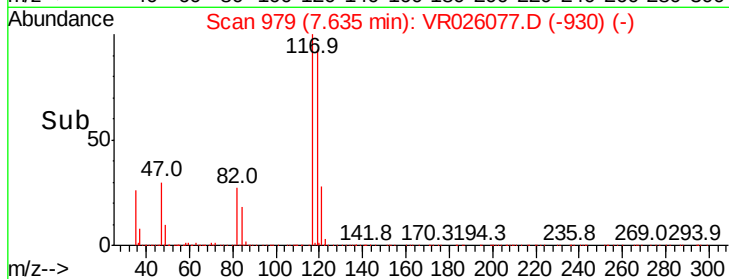
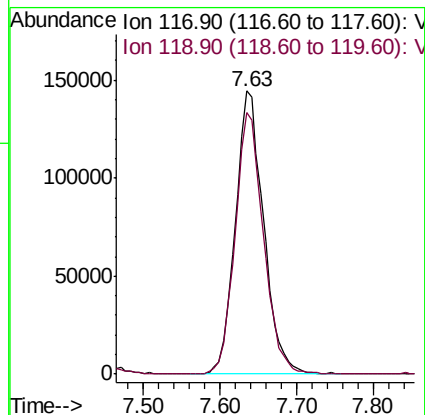
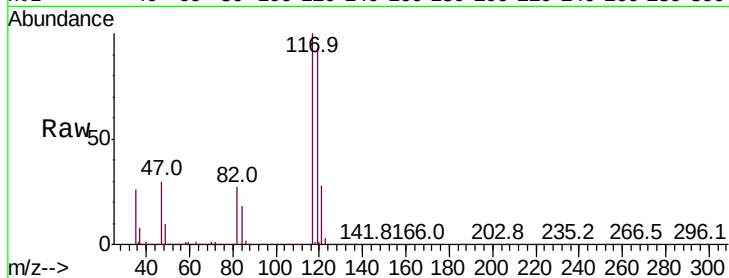
ClientSampleId :

Tot Ion:117 Resp: 366285

Ion Ratio Lower Upper

117 100

119 93.2 74.2 111.2



#33

Benzene

Concen: 5.077 ug/L

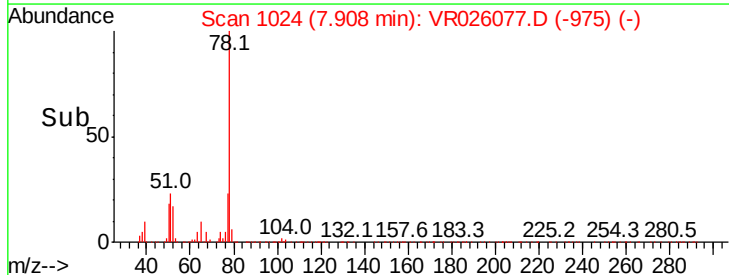
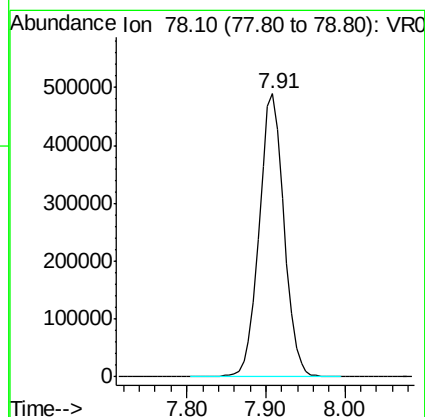
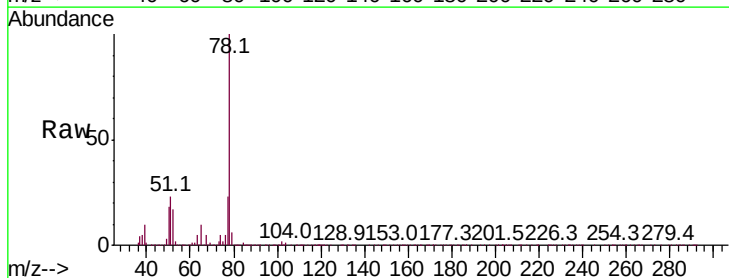
RT: 7.91 min Scan# 1024

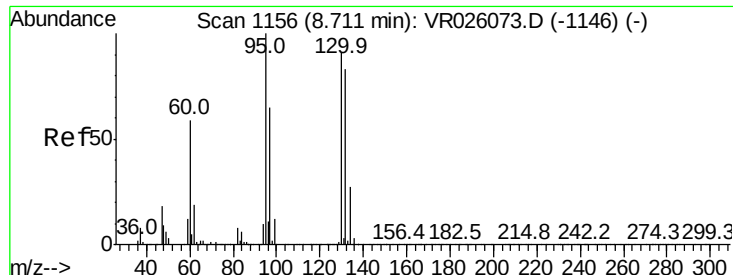
Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Tgt Ion: 78 Resp: 1071445

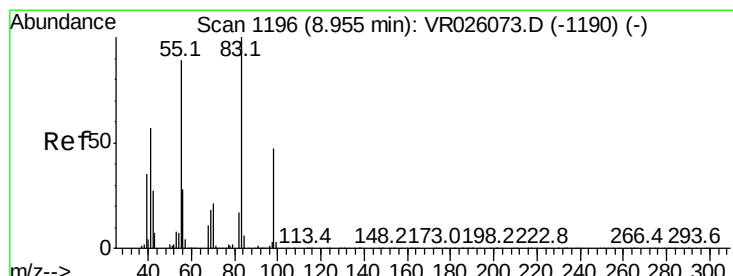
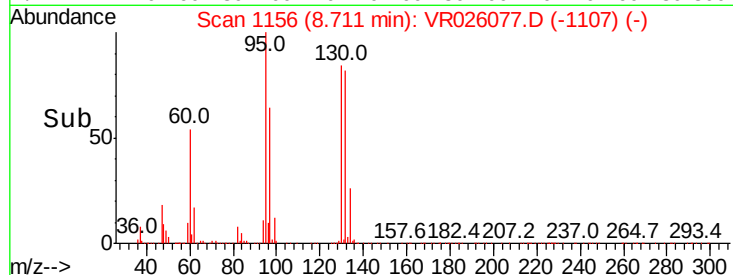
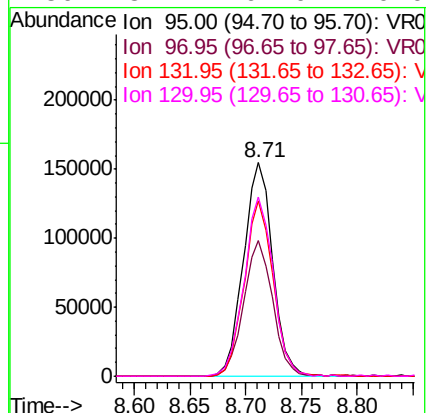
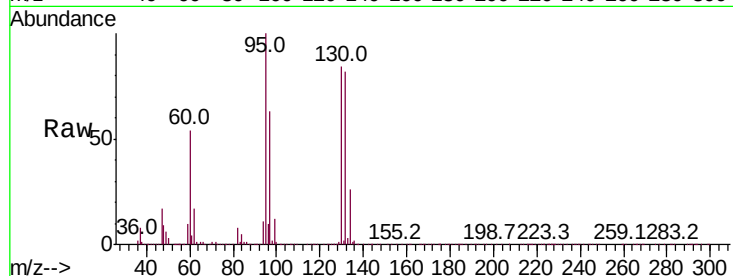




#34
 Trichloroethene
 Concen: 5.214 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

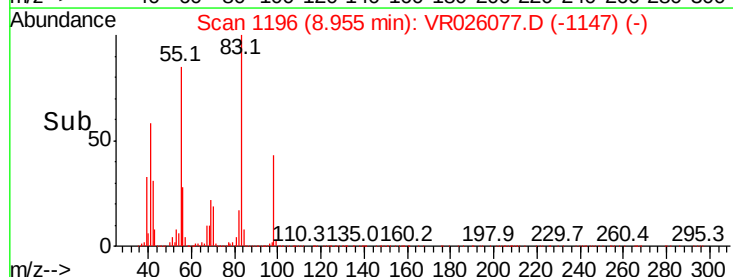
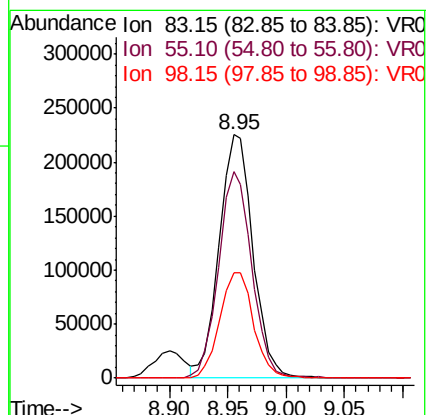
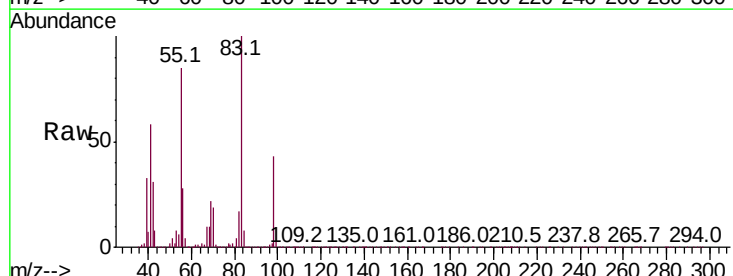
Instrument :
 MSVOA_R
 ClientSampleId :

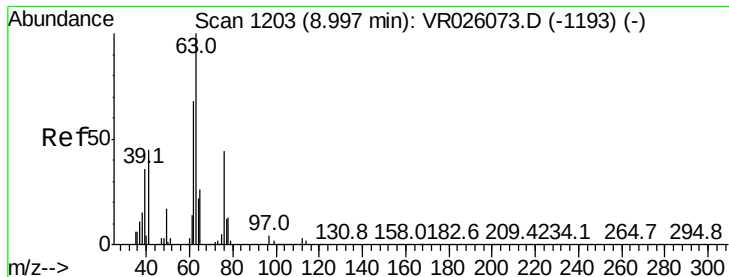
Tot Ion:	95	Resp:	281627
Ion	Ratio	Lower	Upper
95	100		
97	63.5	45.7	84.9
132	82.3	58.3	108.3
130	84.1	64.0	119.0



#35
 Methylcyclohexane
 Concen: 5.587 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion:	83	Resp:	449302
Ion	Ratio	Lower	Upper
83	100		
55	83.6	66.8	100.2
98	43.8	35.2	52.8





#37

1,2-Dichloropropane

Concen: 4.969 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

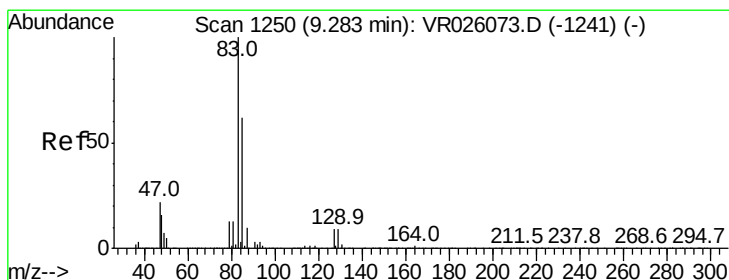
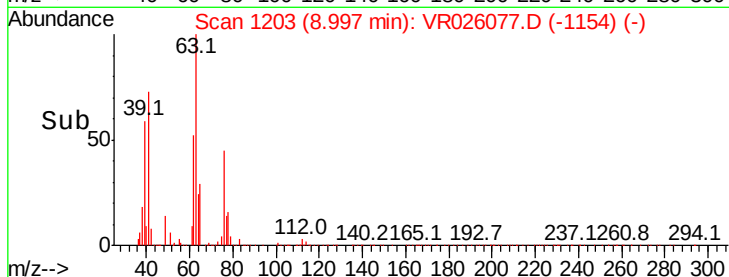
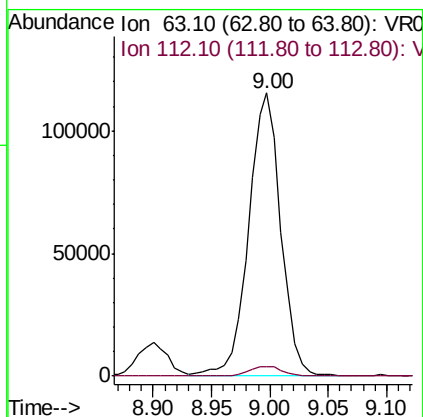
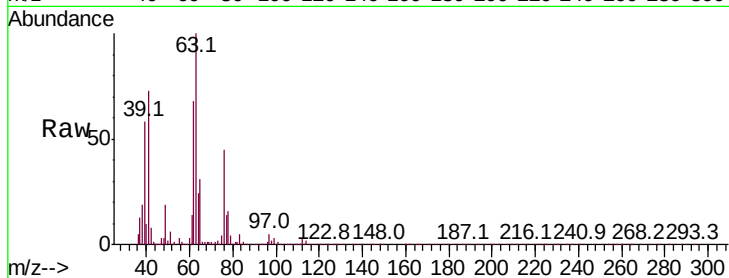
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 63 Resp: 221242

Ion Ratio Lower Upper

63 100

112 3.7 2.7 4.1



#38

Bromodichloromethane

Concen: 5.210 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

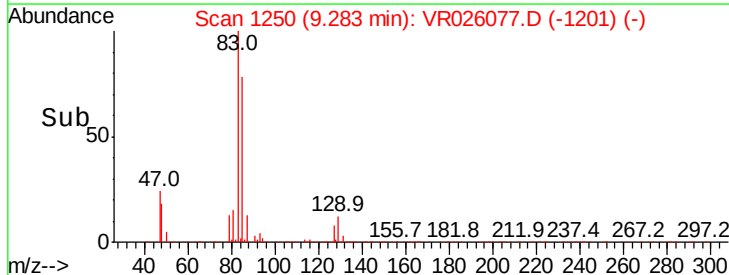
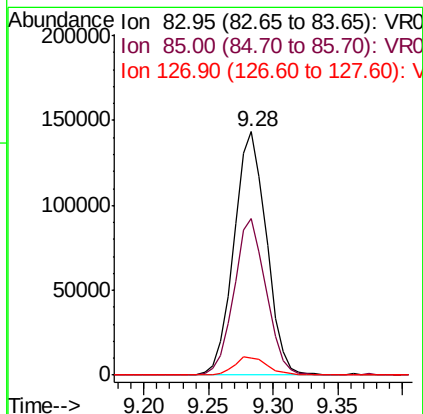
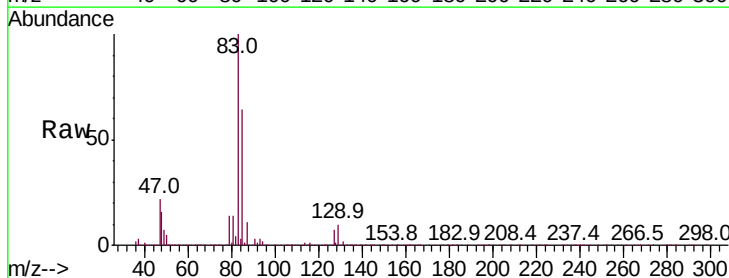
Tgt Ion: 83 Resp: 249456

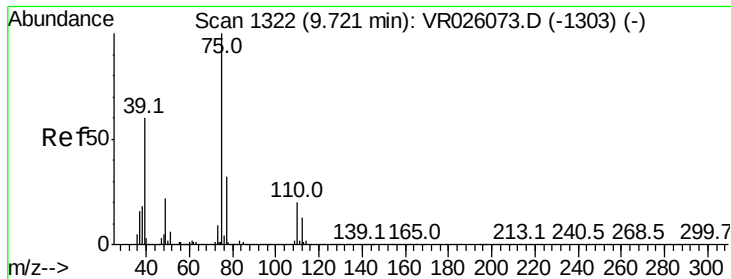
Ion Ratio Lower Upper

83 100

85 64.5 43.5 80.7

127 6.9 7.0 10.6#



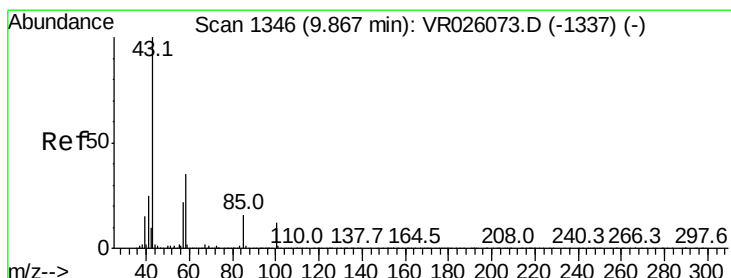
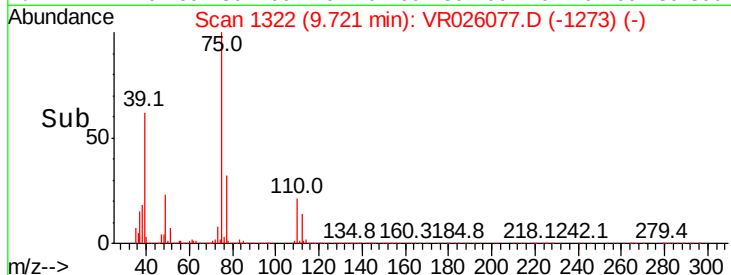
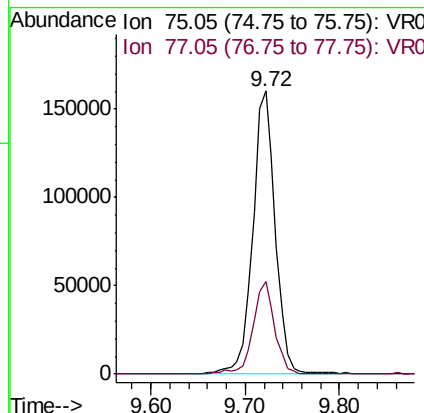
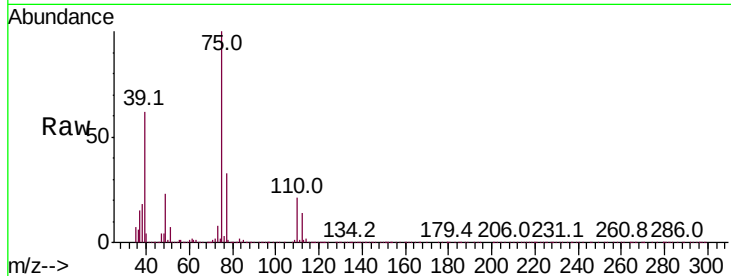


#39

cis-1,3-Dichloropropene
Concen: 5.261 ug/L
RT: 9.72 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Instrument :
MSVOA_R
ClientSampleId :

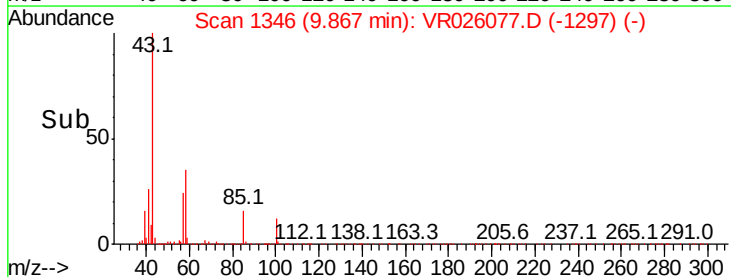
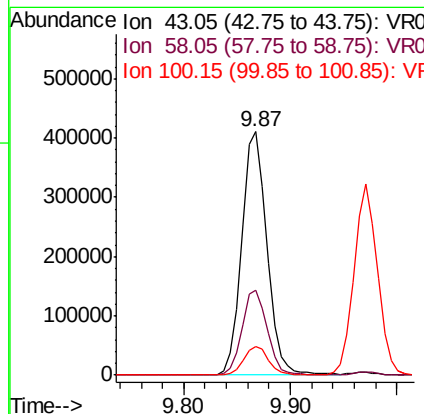
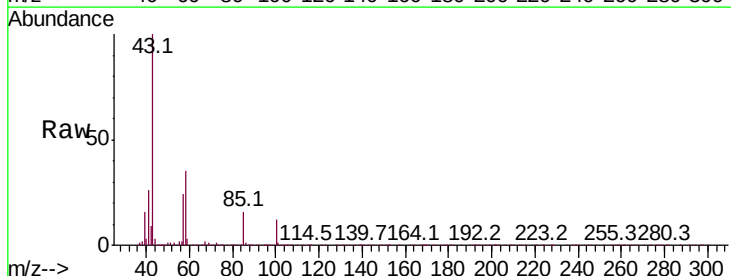
Tot Ion: 75 Resp: 268100
Ion Ratio Lower Upper
75 100
77 32.5 22.7 42.1

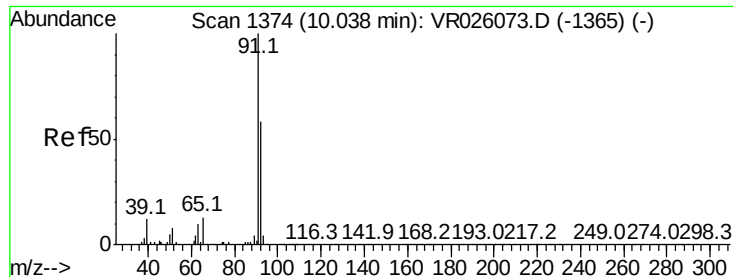


#40

4-Methyl-2-pentanone
Concen: 50.383 ug/L
RT: 9.87 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion: 43 Resp: 685065
Ion Ratio Lower Upper
43 100
58 34.9 28.1 42.1
100 11.6 9.3 13.9





#42

Toluene

Concen: 5.187 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

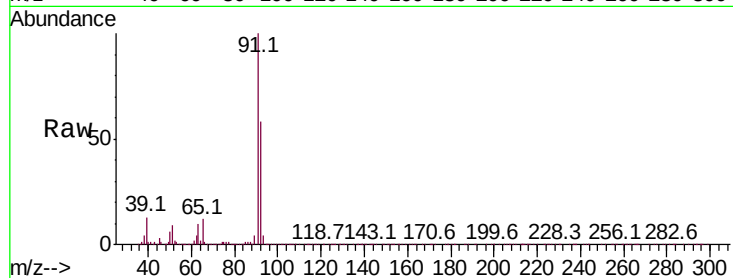
ClientSampleId :

Tot Ion: 91 Resp: 1155263

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.04

800000

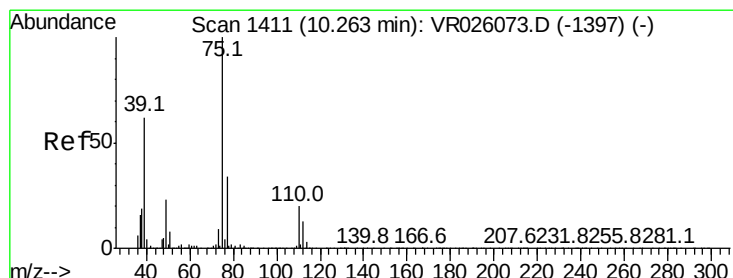
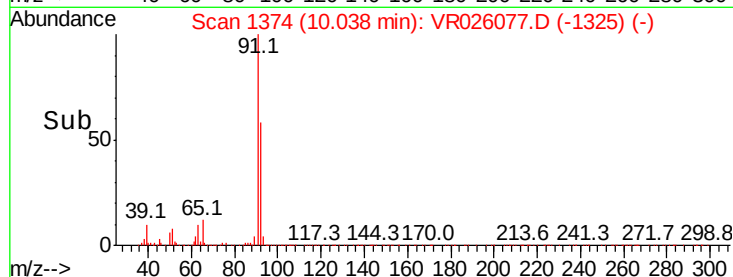
600000

400000

200000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.076 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026077.D

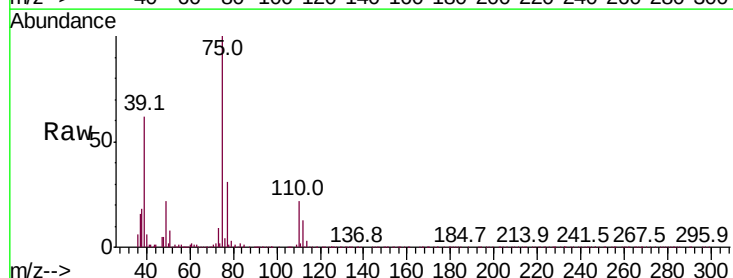
Acq: 15 Oct 2018 17:20

Tgt Ion: 75 Resp: 180712

Ion Ratio Lower Upper

75 100

77 31.4 24.1 44.7



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

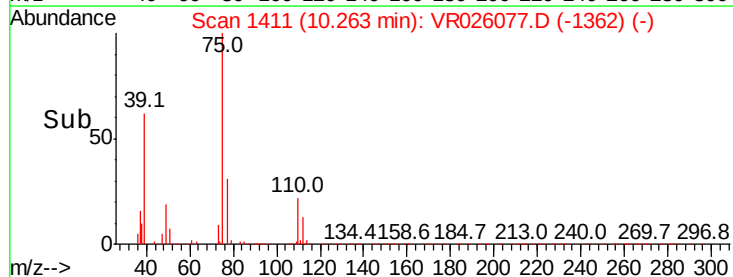
10.26

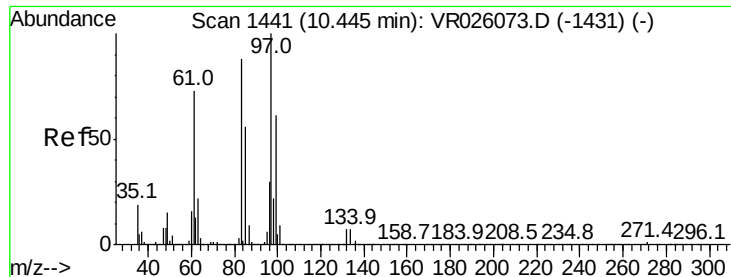
100000

50000

0

Time-->

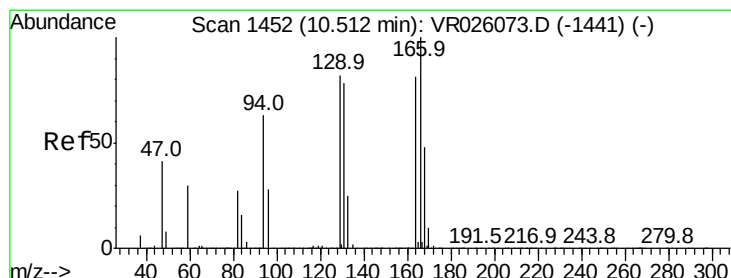
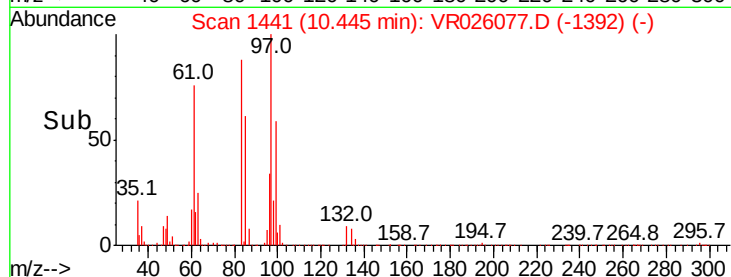
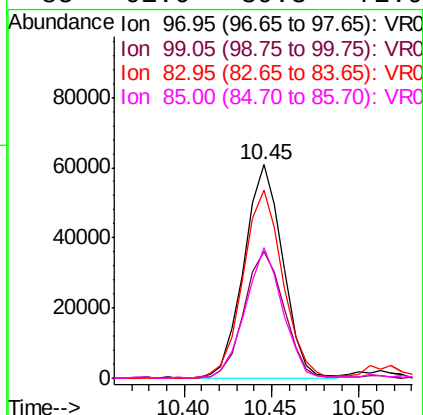
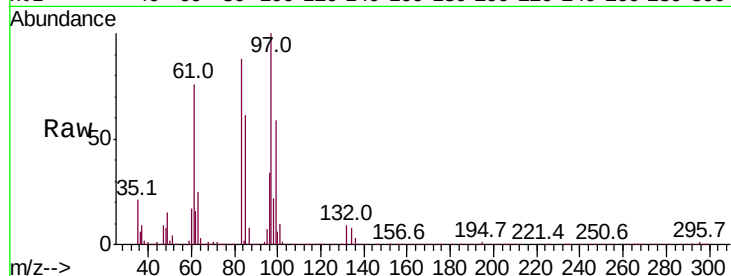




#45
1,1,2-Trichloroethane
Concen: 4.978 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

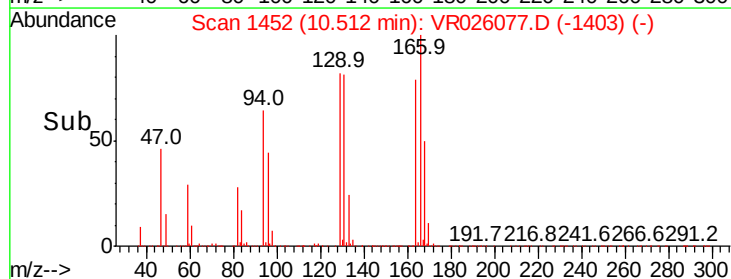
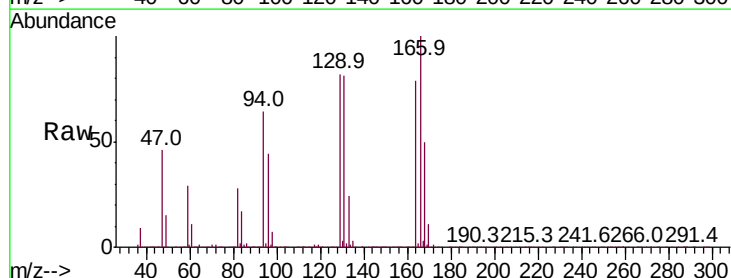
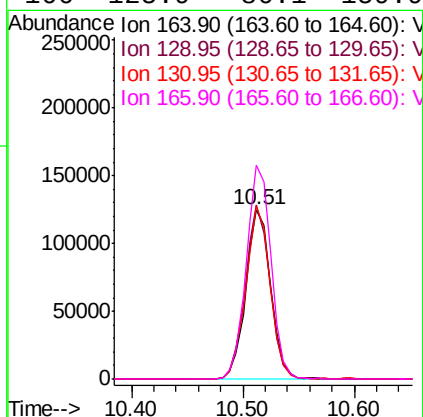
Instrument :
MSVOA_R
ClientSampleId :

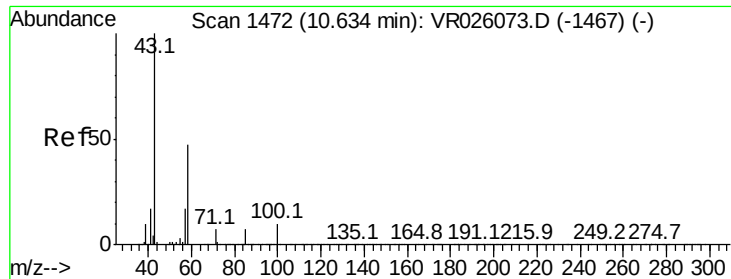
Tot Ion	97	Resp	93492
Ion Ratio	100	Lower	Upper
99	59.1	42.8	79.4
83	88.4	61.9	114.9
85	61.0	39.3	72.9



#47
Tetrachloroethene
Concen: 5.020 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion	164	Resp	193614
Ion Ratio	100	Lower	Upper
129	102.7	70.3	130.5
131	101.7	67.3	125.1
166	125.9	86.1	159.9

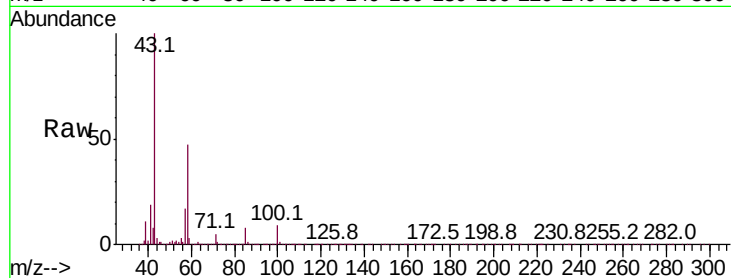




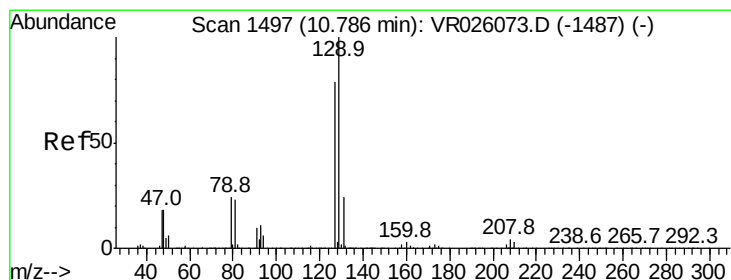
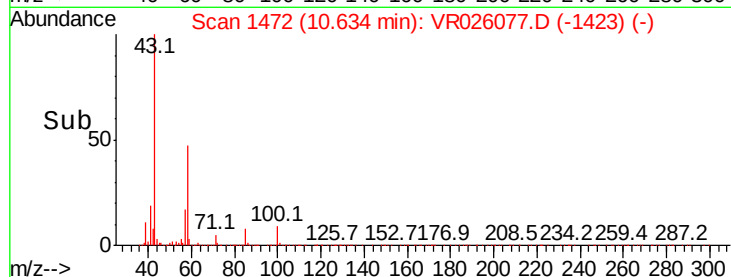
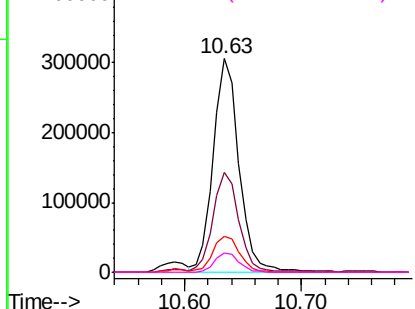
#48
2-Hexanone
Concen: 52.171 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 463314
Ion Ratio Lower Upper
43 100
58 48.8 39.6 59.4
57 17.6 14.0 21.0
100 8.6 7.0 10.6

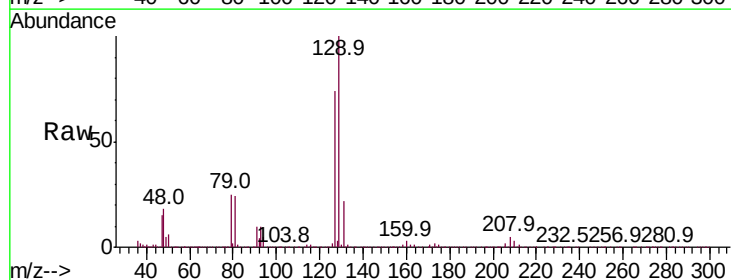


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

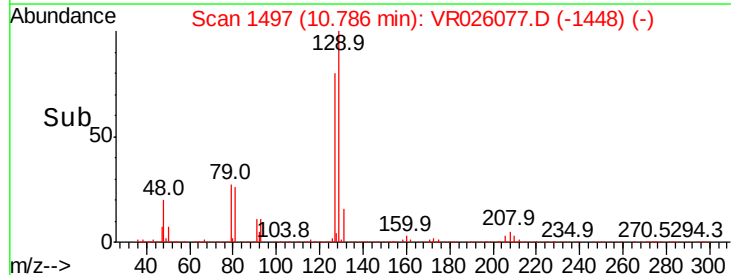
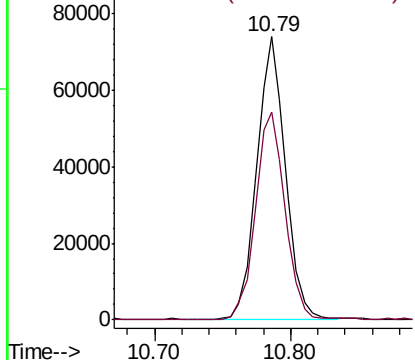


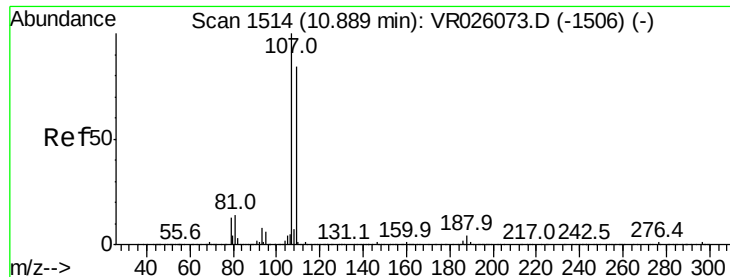
#49
Dibromochloromethane
Concen: 5.172 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion: 129 Resp: 109317
Ion Ratio Lower Upper
129 100
127 73.6 55.0 102.2



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

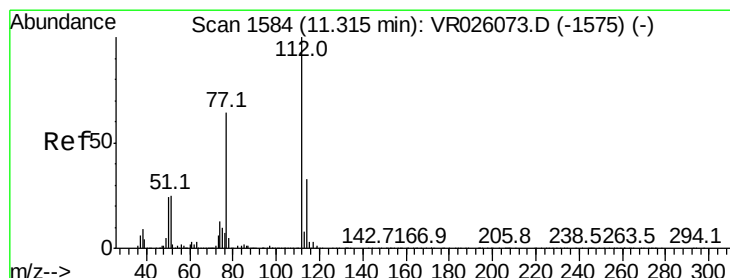
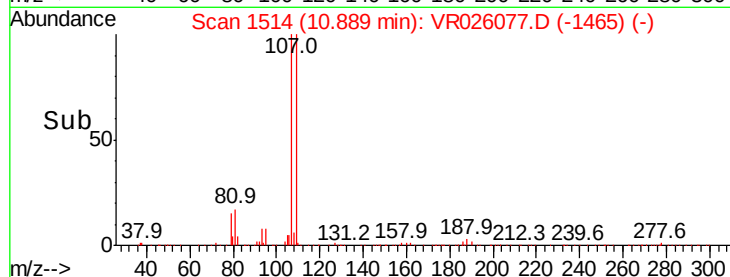
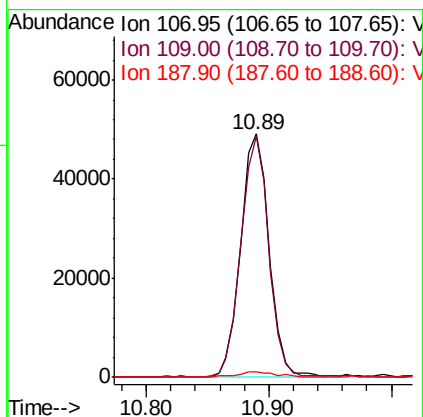
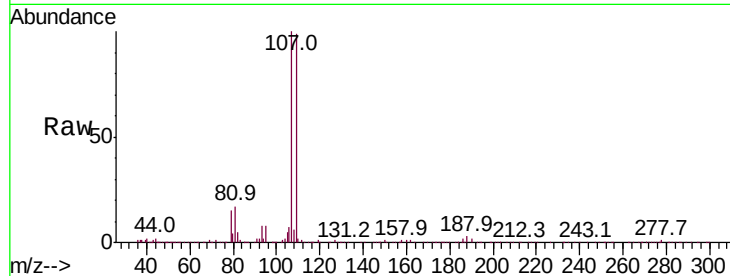




#50
 1,2-Dibromoethane
 Concen: 4.878 ug/L
 RT: 10.89 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

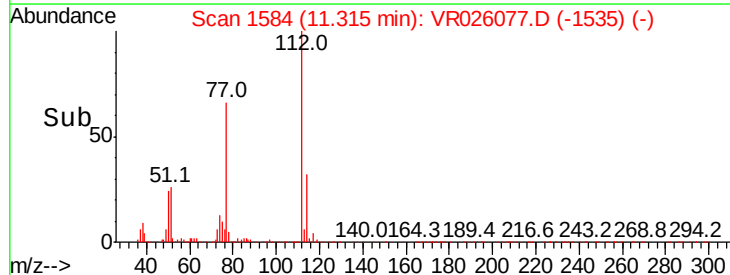
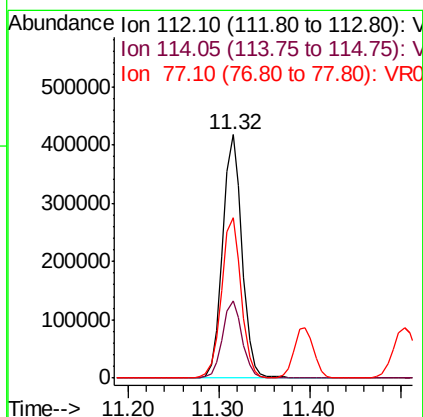
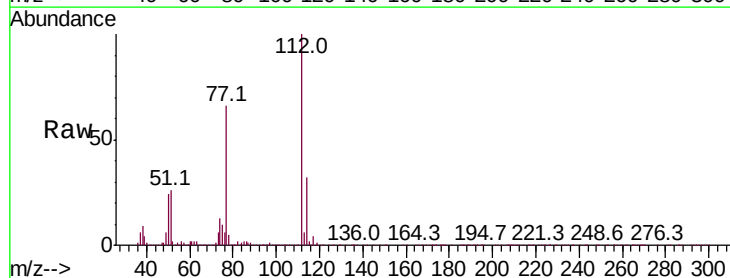
Instrument :
 MSVOA_R
 ClientSampleId :

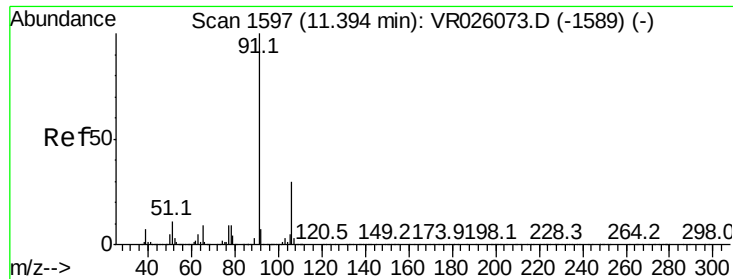
Tot Ion:107 Resp: 79144
 Ion Ratio Lower Upper
 107 100
 109 99.3 58.7 109.1
 188 2.5 2.9 4.3#



#51
 Chlorobenzene
 Concen: 5.040 ug/L
 RT: 11.32 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion:112 Resp: 621486
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.8 42.4
 77 65.6 51.5 77.3





#52

Ethylbenzene

Concen: 5.385 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

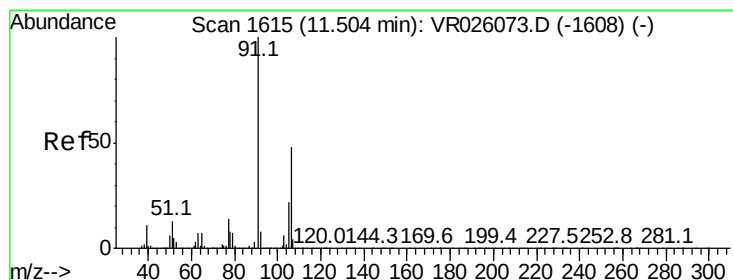
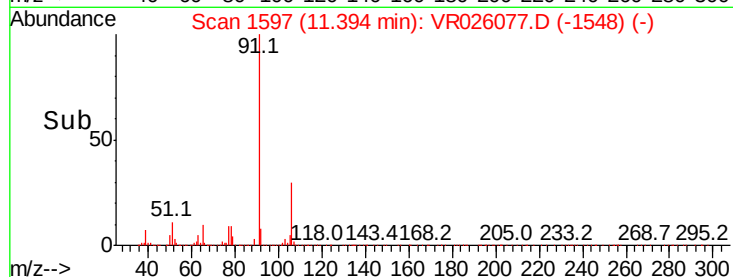
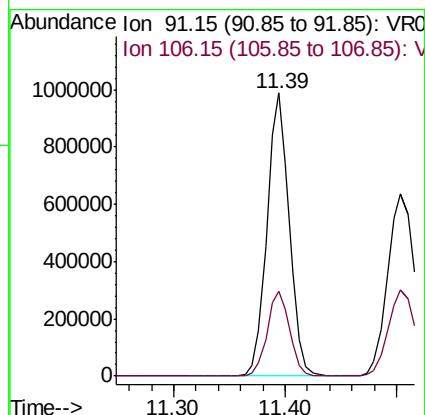
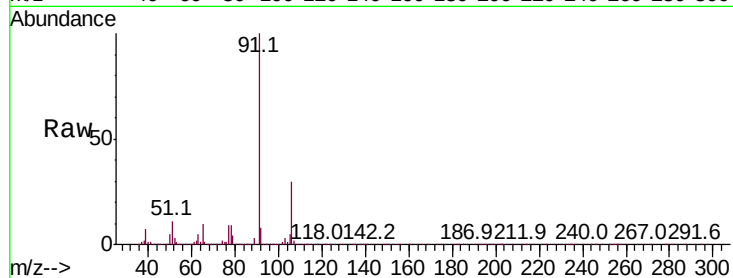
ClientSampled :

Tot Ion: 91 Resp: 1379106

Ion Ratio Lower Upper

91 100

106 30.2 21.2 39.4



#53

m,p-Xylene

Concen: 5.387 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026077.D

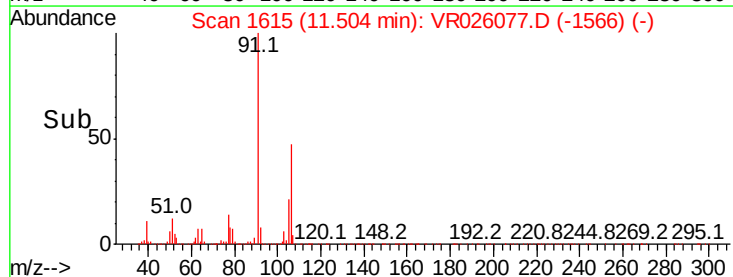
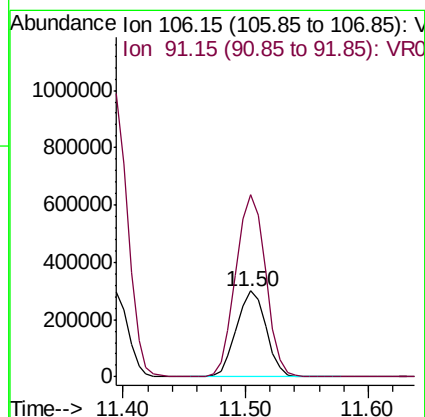
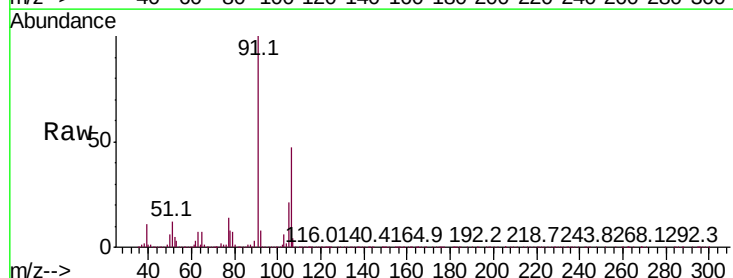
Acq: 15 Oct 2018 17:20

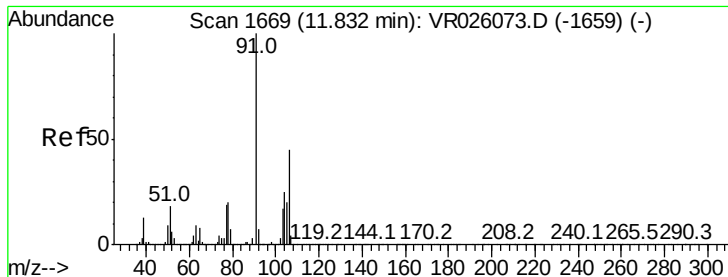
Tgt Ion: 106 Resp: 502740

Ion Ratio Lower Upper

106 100

91 212.7 145.3 269.8

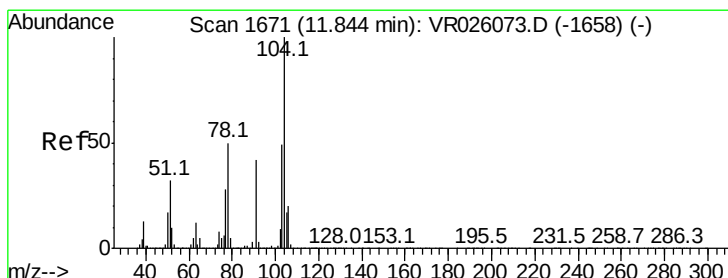
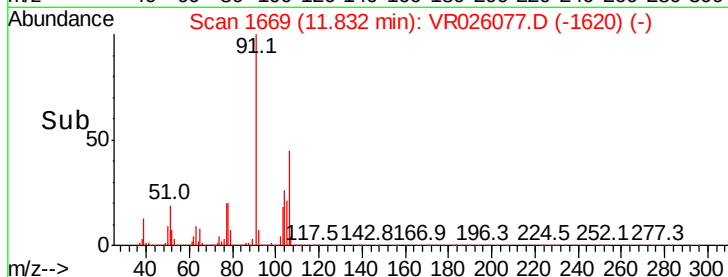
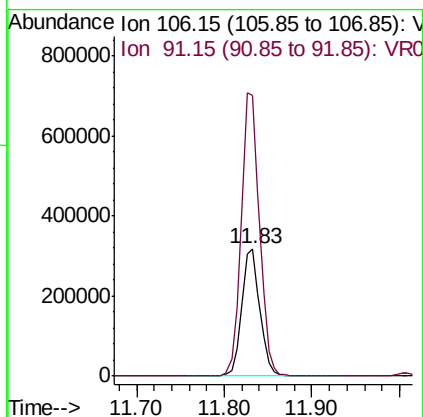
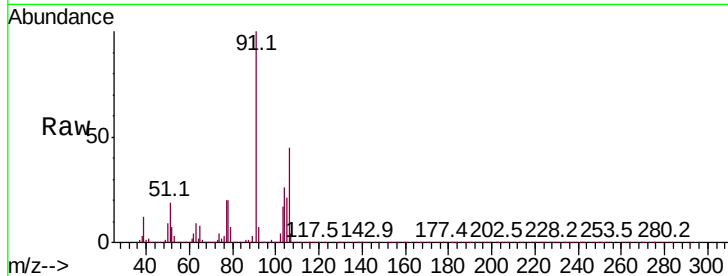




#54
o-Xylene
Concen: 5.353 ug/L
RT: 11.83 min Scan# 1669
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

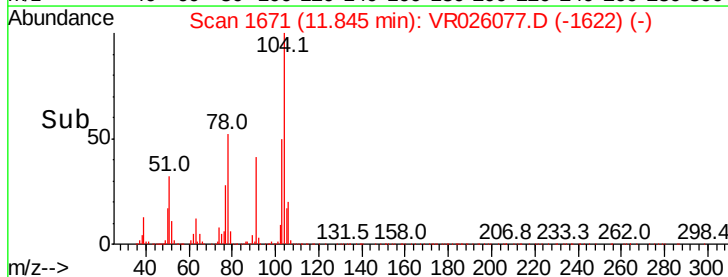
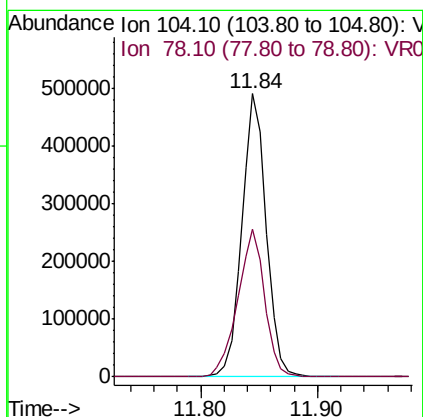
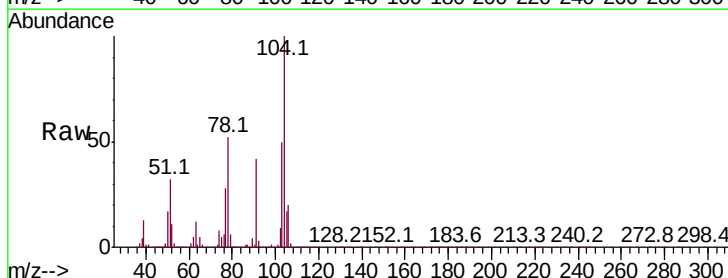
Instrument :
MSVOA_R
ClientSampleId :

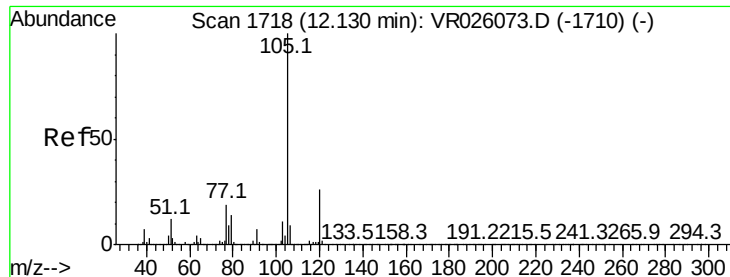
Tot Ion:106 Resp: 457934
Ion Ratio Lower Upper
106 100
91 220.3 155.8 289.3



#55
Styrene
Concen: 5.407 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026077.D
Acq: 15 Oct 2018 17:20

Tgt Ion:104 Resp: 711943
Ion Ratio Lower Upper
104 100
78 52.3 34.7 64.5





#56

Isopropylbenzene

Concen: 5.586 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

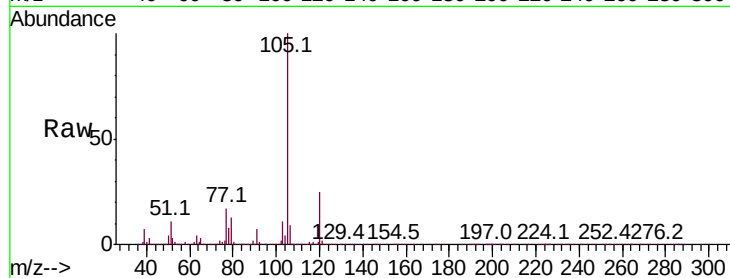
Instrument :

MSVOA_R

ClientSampled :

Tot Ion:105 Resp: 1327198

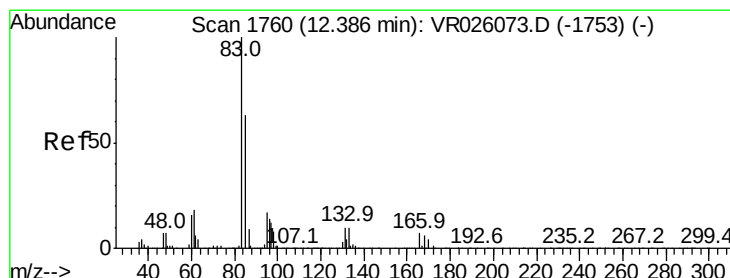
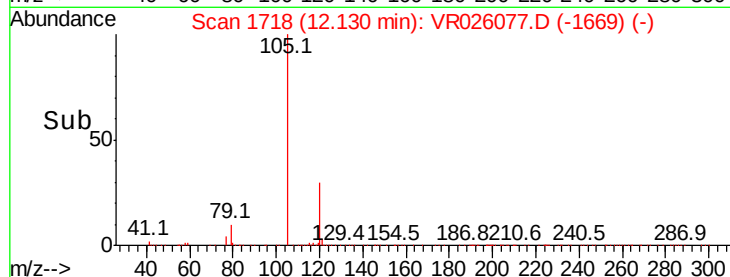
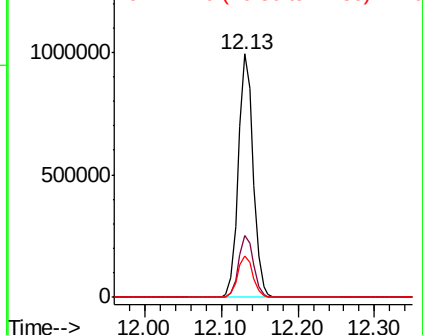
Ion	Ratio	Lower	Upper
105	100		
120	25.7	21.0	31.4
77	17.5	14.6	21.8



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: 4.696 ug/L

RT: 12.39 min Scan# 1760

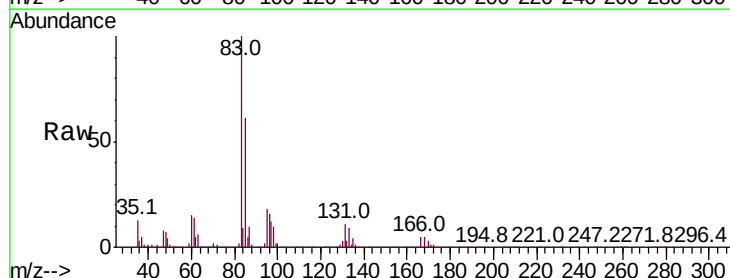
Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Tgt Ion: 83 Resp: 89638

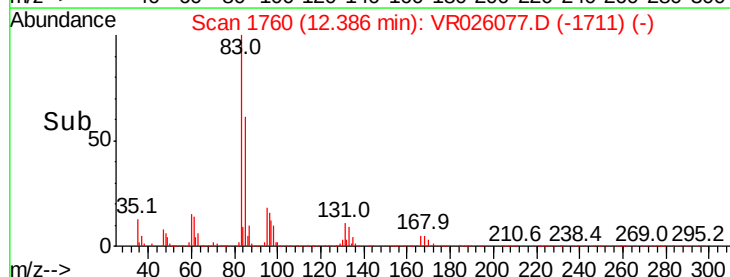
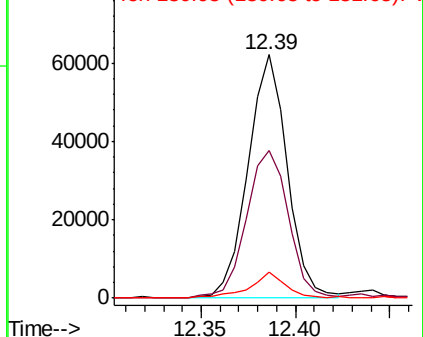
Ion	Ratio	Lower	Upper
83	100		
85	60.8	44.0	81.8
131	10.7	8.0	12.0

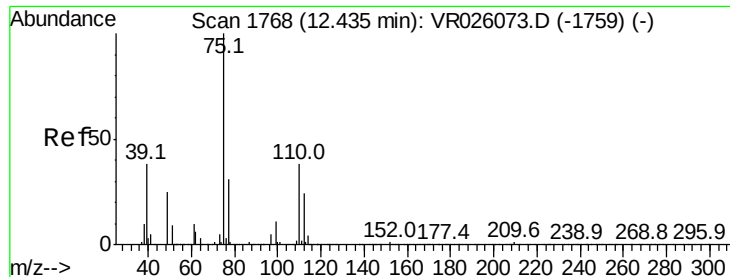


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.719 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

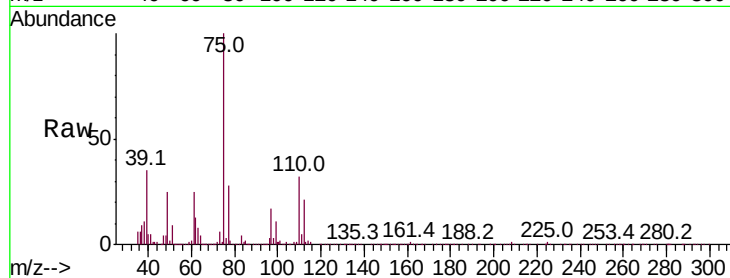
ClientSampled :

Tot Ion: 75 Resp: 66126

Ion Ratio Lower Upper

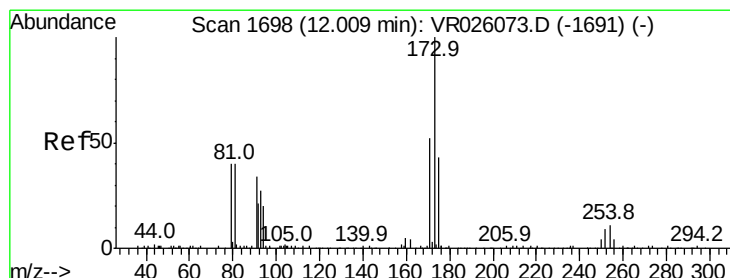
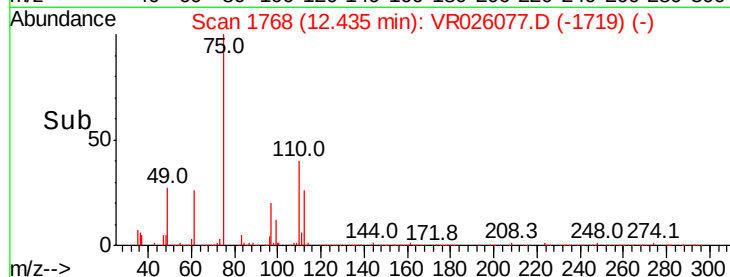
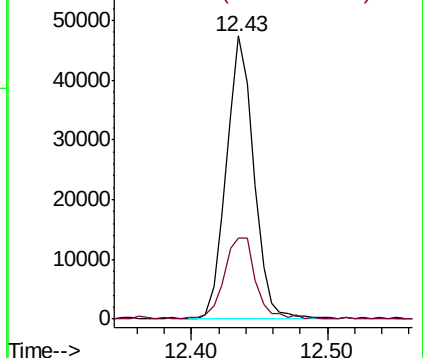
75 100

77 33.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 5.317 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

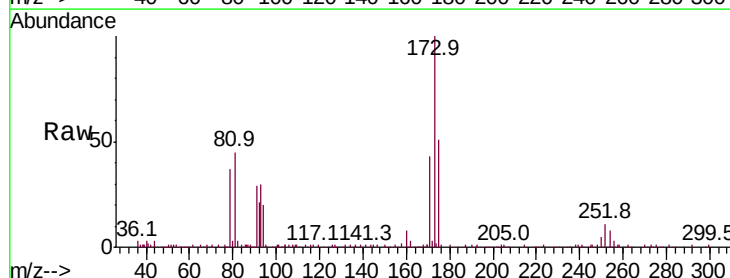
Tgt Ion: 173 Resp: 37830

Ion Ratio Lower Upper

173 100

175 48.4 39.0 58.4

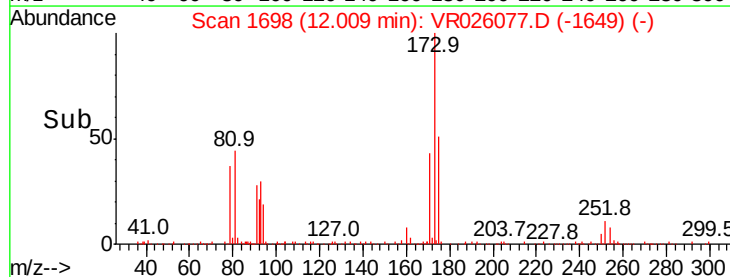
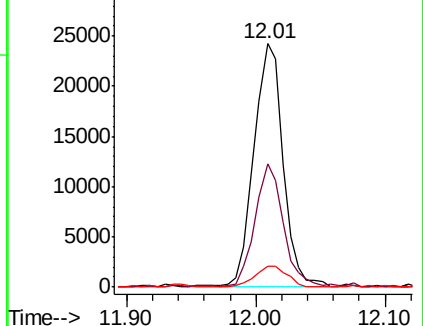
254 9.6 8.1 12.1

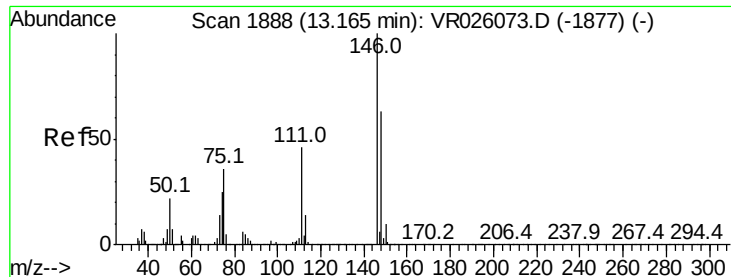


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 5.198 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026077.D

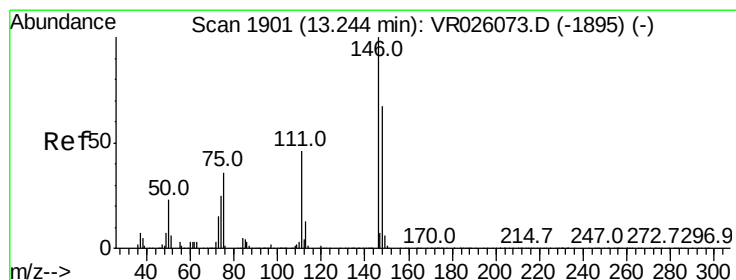
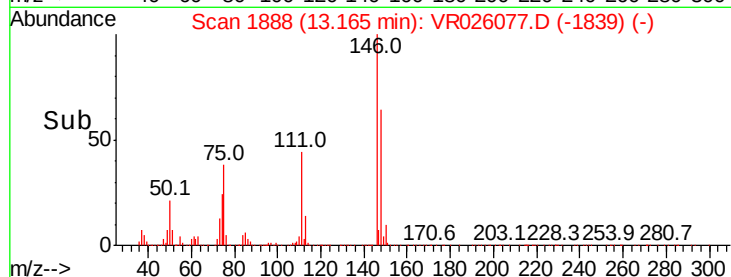
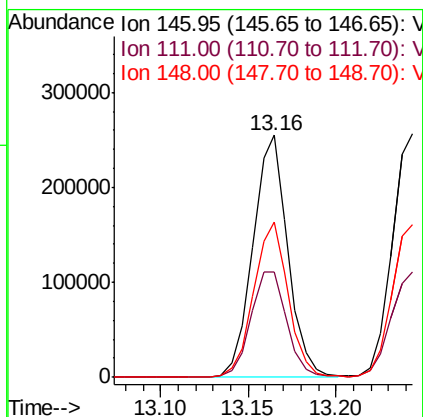
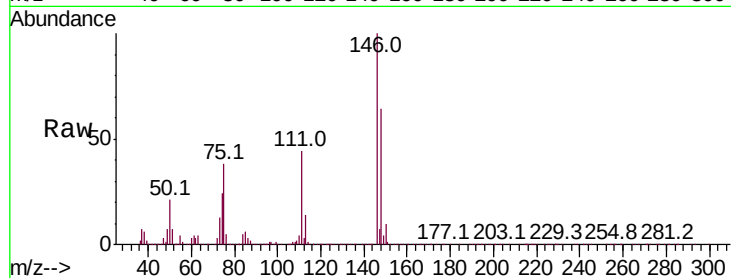
Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:	146	Resp:	353499
Ion	Ratio	Lower	Upper
146	100		
111	43.8	32.1	59.7
148	63.9	43.8	81.3



#63

1,4-Dichlorobenzene

Concen: 5.094 ug/L

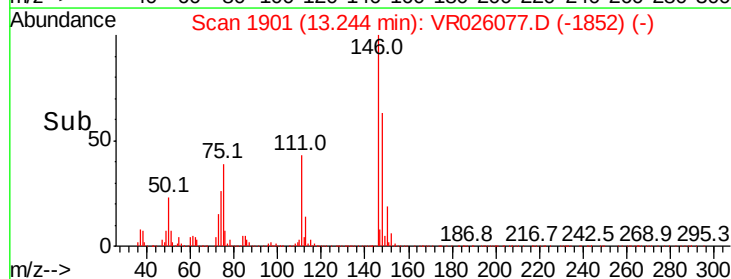
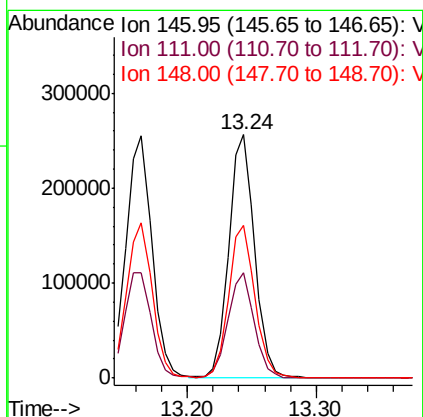
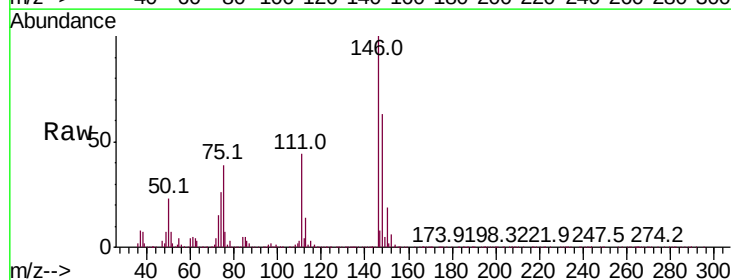
RT: 13.24 min Scan# 1901

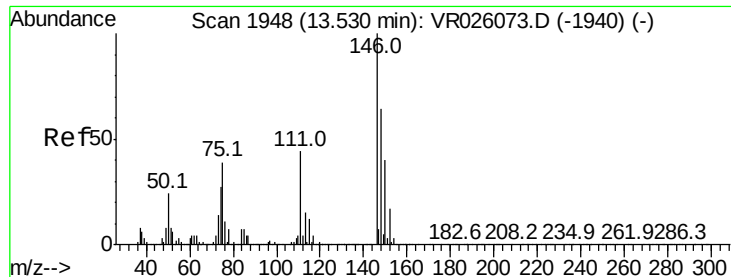
Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Tgt Ion:	146	Resp:	358734
Ion	Ratio	Lower	Upper
146	100		
111	43.5	32.6	60.6
148	62.9	46.7	86.7

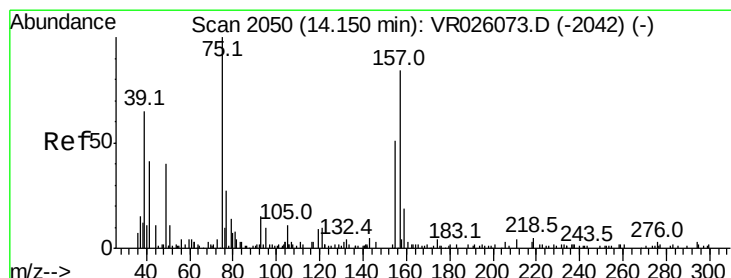
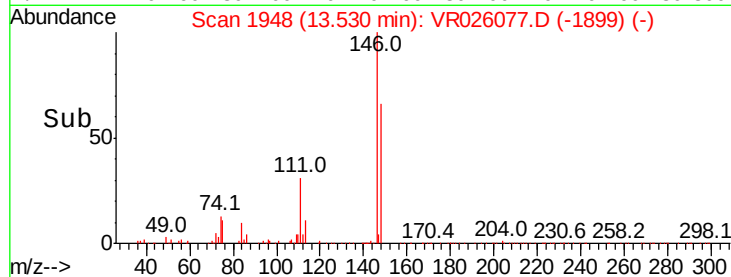
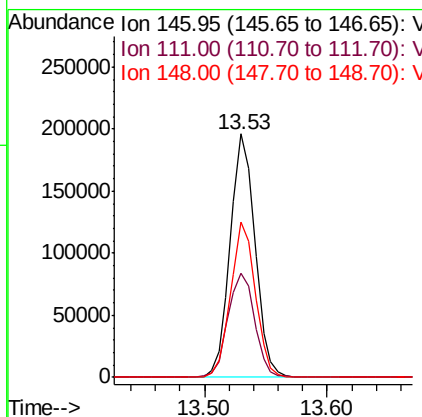
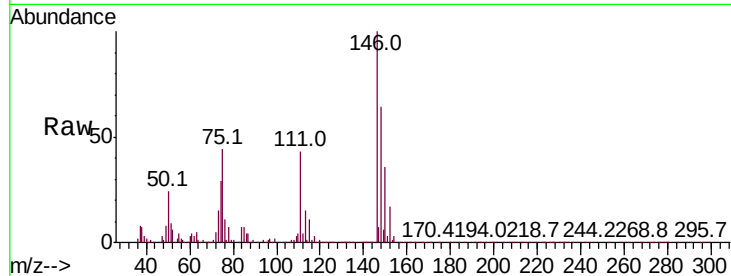




#65
 1,2-Dichlorobenzene
 Concen: 5.028 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

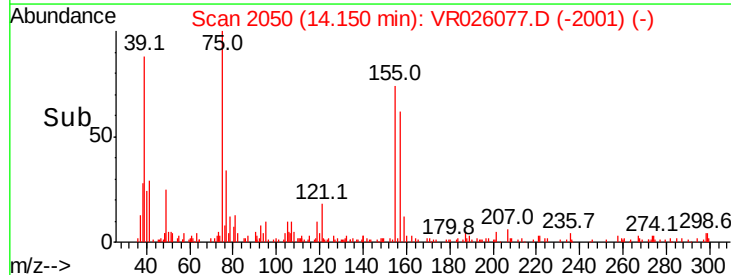
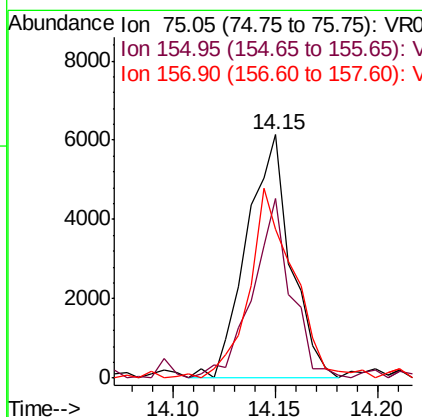
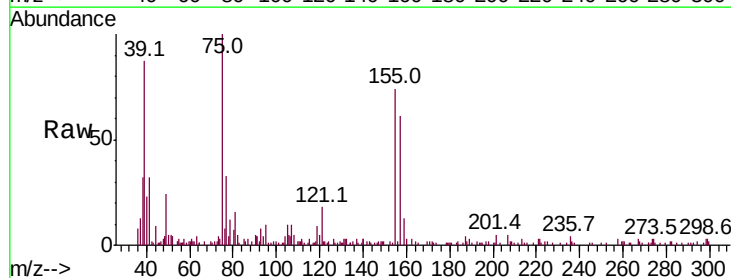
Instrument :
 MSVOA_R
 ClientSampled :

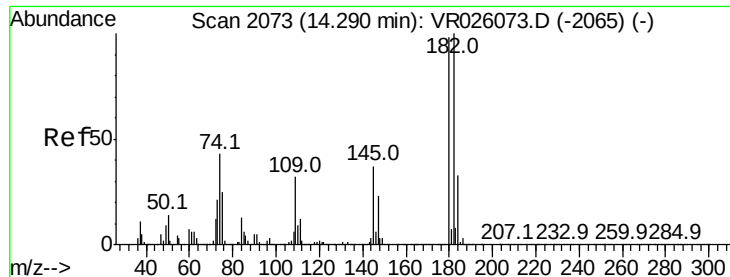
Tot Ion:146 Resp: 274418
 Ion Ratio Lower Upper
 146 100
 111 43.0 35.2 52.8
 148 64.0 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.143 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion: 75 Resp: 9214
 Ion Ratio Lower Upper
 75 100
 155 73.8 40.9 61.3#
 157 60.9 67.3 100.9#

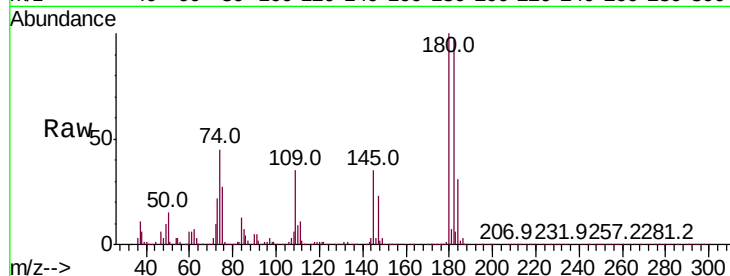




#67
 1,3,5-Trichlorobenzene
 Concen: 4.904 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	77.5	116.3
184	31.6	25.0	37.4
145	34.6	27.6	41.4



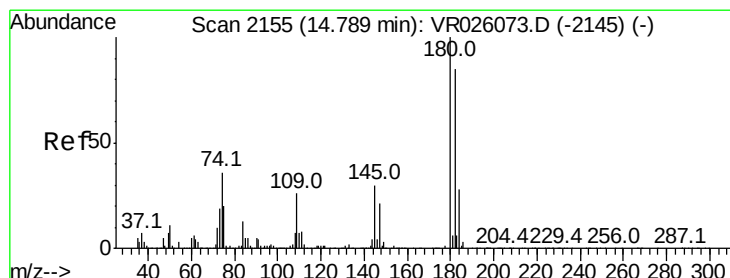
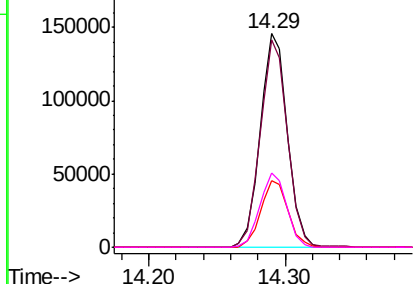
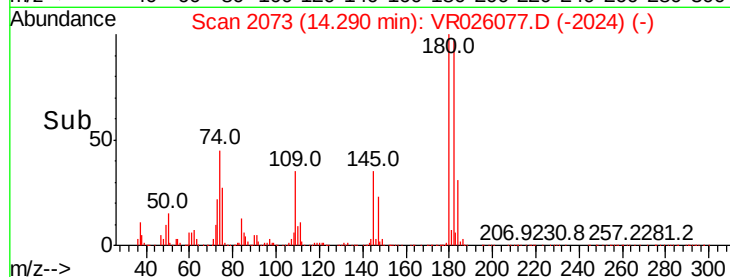
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

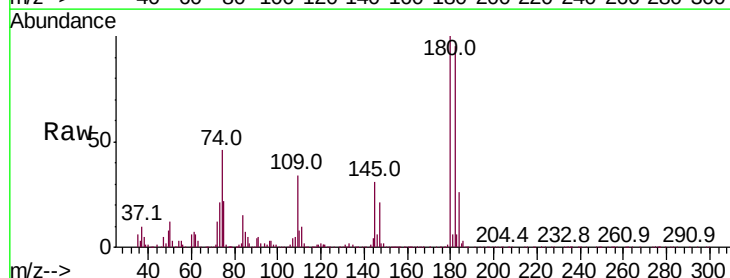
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.921 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026077.D
 Acq: 15 Oct 2018 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.1	114.1
145	34.3	28.2	42.4

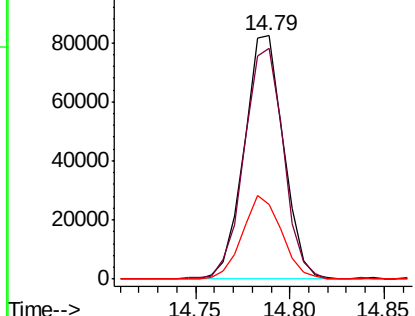
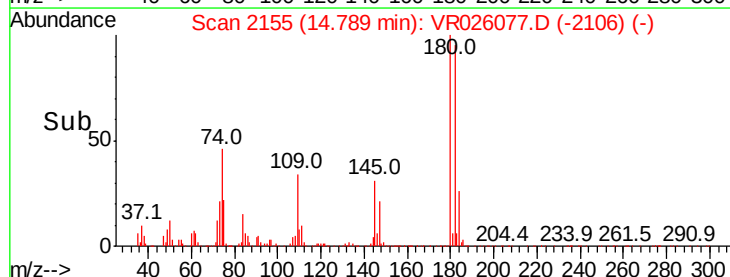


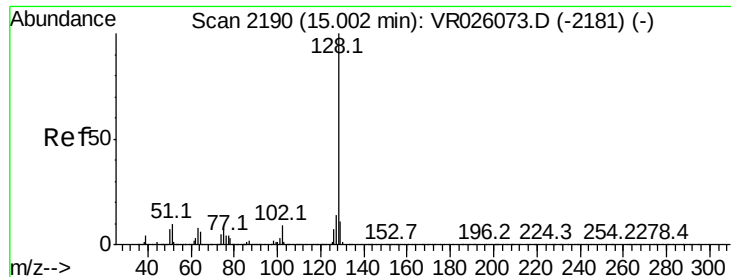
Abundance

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: 5.204 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

Instrument :

MSVOA_R

ClientSampled :

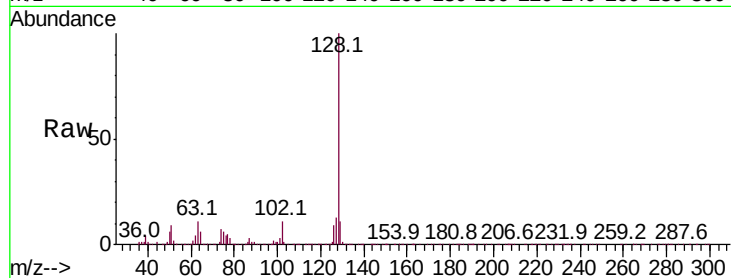
Tot Ion:128 Resp: 122231

Ion Ratio Lower Upper

128 100

127 13.1 11.0 16.6

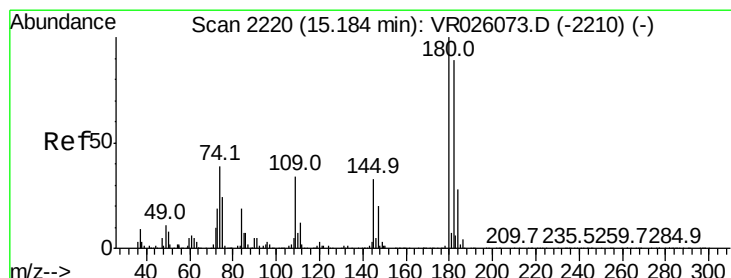
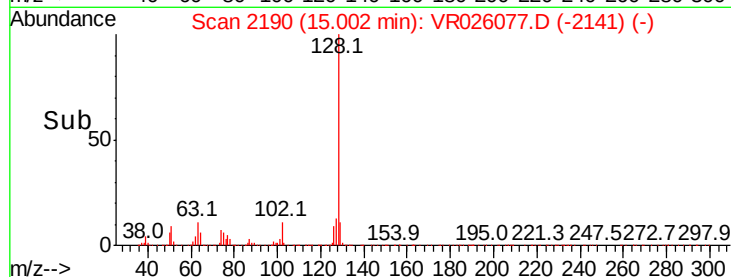
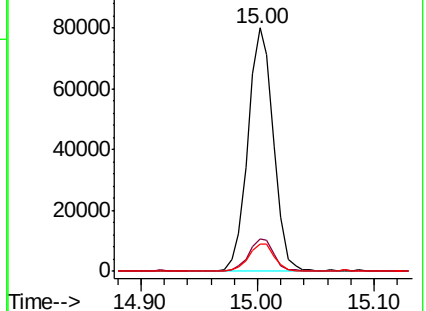
129 11.2 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.024 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.01 min

Lab File: VR026077.D

Acq: 15 Oct 2018 17:20

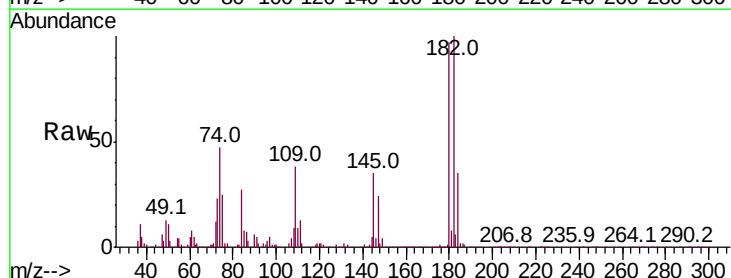
Tgt Ion:180 Resp: 84394

Ion Ratio Lower Upper

180 100

182 95.3 75.7 113.5

145 35.0 28.8 43.2



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

