

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR071718\
 Data File : VR025487.D
 Acq On : 17 Jul 2018 11:01
 Operator : SY/MD
 Sample : J4002-01
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AF3

Quant Time: Jul 18 01:03:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 18 01:02:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	707497	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	574941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188375	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	83291	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	2.63	69	65279	3.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.60%
11) 1,1-Dichloroethene-d2	3.62	63	200826	3.40	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.00%
20) 2-Butanone-d5	6.59	46	211331	34.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.76%
24) Chloroform-d	7.21	84	363981	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.40%
26) 1,2-Dichloroethane-d4	7.89	65	138555	3.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.00%
32) Benzene-d6	7.86	84	798051	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	8.90	67	222943	3.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.80%
41) Toluene-d8	9.97	98	704554	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	10.24	79	45269	3.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.20%
46) 2-Hexanone-d5	10.59	63	183227	38.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.68%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89493	3.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	147053	4.73	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.60%

Target Compounds

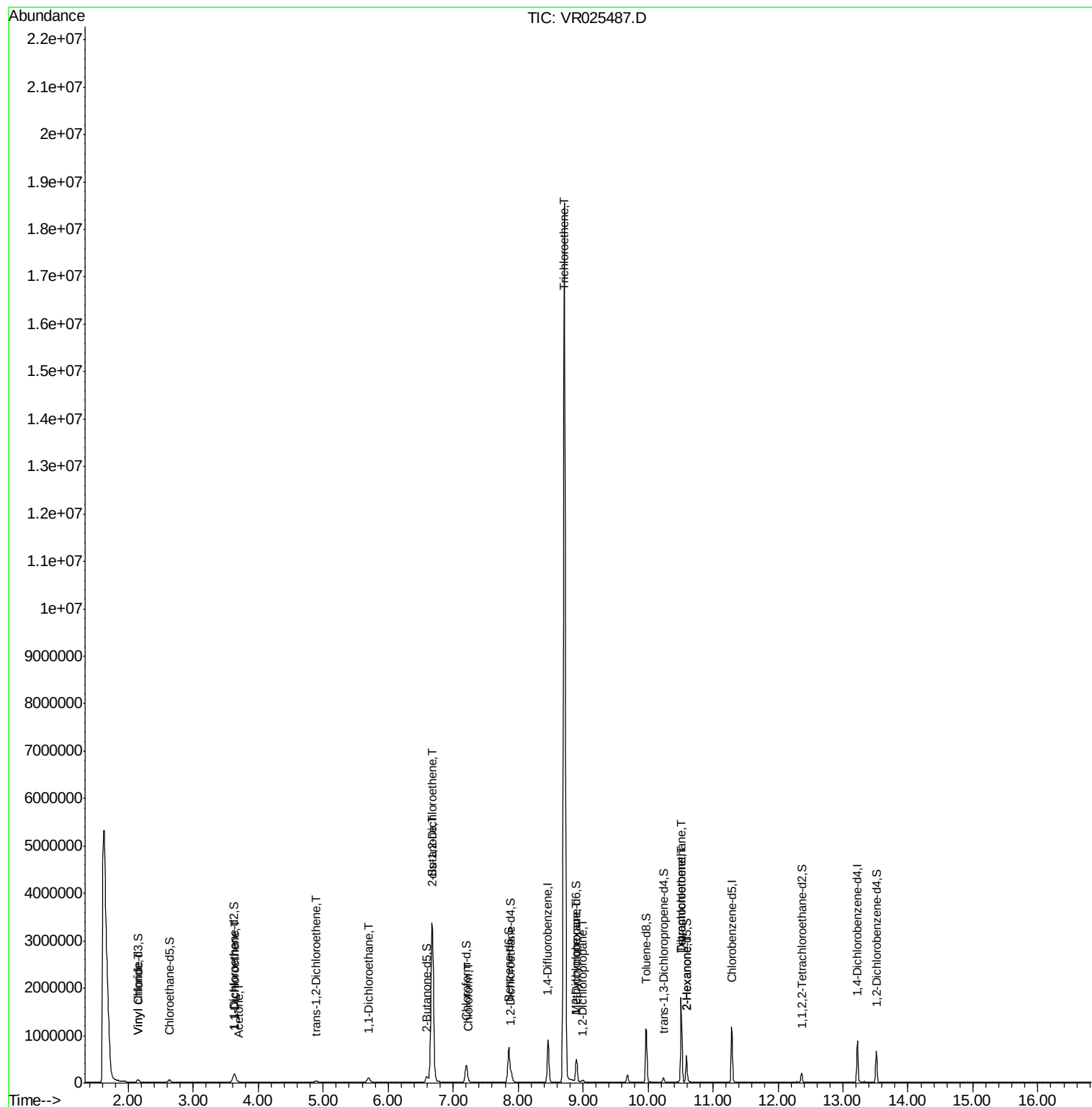
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.16	62	14137	0.664	ug/L	88
12) 1,1-Dichloroethene	3.65	96	29783	1.408	ug/L #	29
13) Acetone	3.71	43	5035	1.845	ug/L	84
18) trans-1,2-Dichloroethene	4.89	96	16506	0.314	ug/L	85
19) 1,1-Dichloroethane	5.70	63	144430	1.600	ug/L	96
21) 2-Butanone	6.69	43	2901	0.456	ug/L #	1
22) cis-1,2-Dichloroethene	6.68	96	2207200	45.710	ug/L #	98
25) Chloroform	7.24	83	26045	0.300	ug/L	82
34) Trichloroethene	8.71	95	6481030	128.462	ug/L	95
35) Methylcyclohexane	8.90	83	49496	0.734	ug/L #	17
37) 1,2-Dichloropropane	8.99	63	13681	0.297	ug/L #	97
47) Tetrachloroethene	10.52	164	357959	10.866	ug/L	97
48) 2-Hexanone	10.59	43	22378	2.437	ug/L #	72
49) Dibromochloromethane	10.52	129	271529	11.538	ug/L #	10

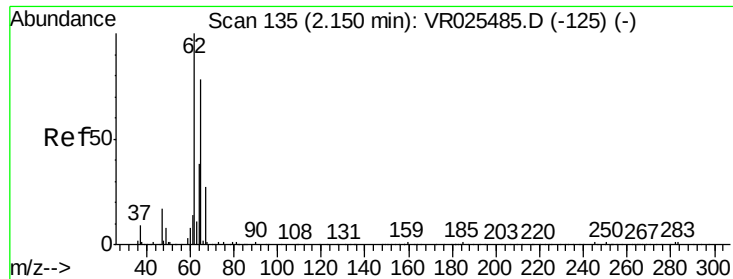
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.664 ug/L

RT: 2.16 min Scan# 136

Delta R.T. 0.01 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

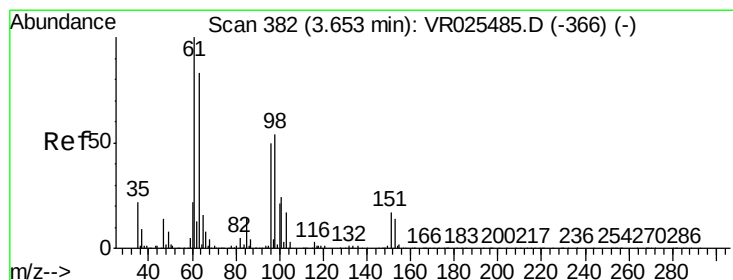
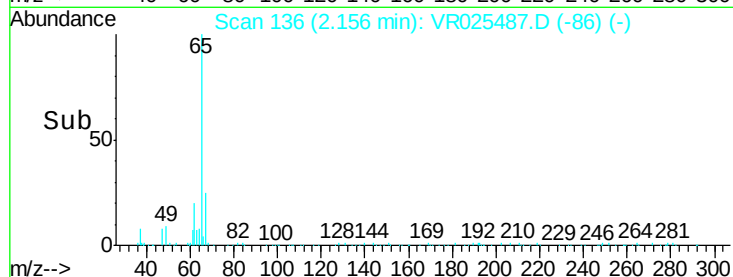
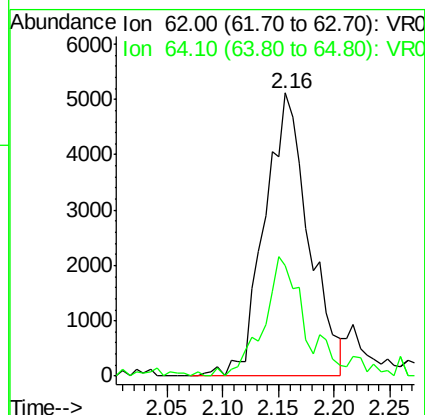
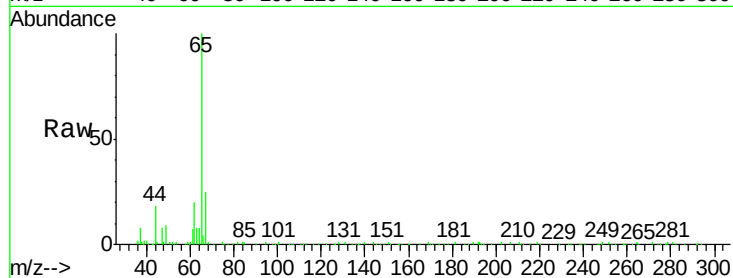
C0AF3

Tgt Ion: 62 Resp: 14137

Ion Ratio Lower Upper

62 100

64 39.2 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.408 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.00 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

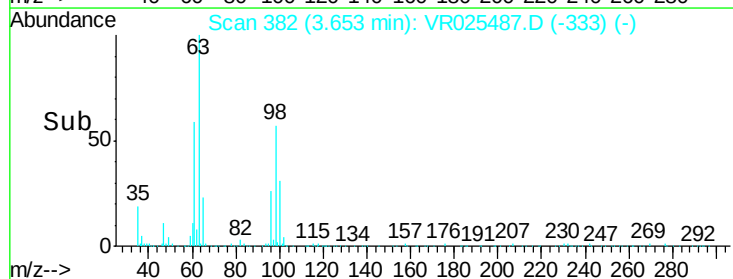
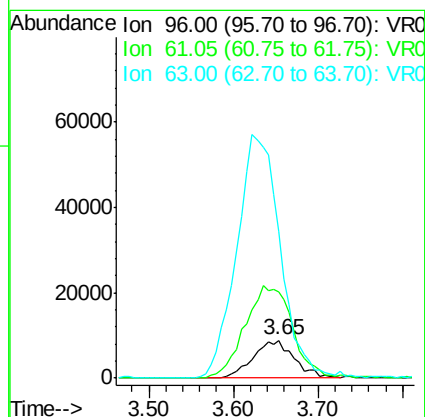
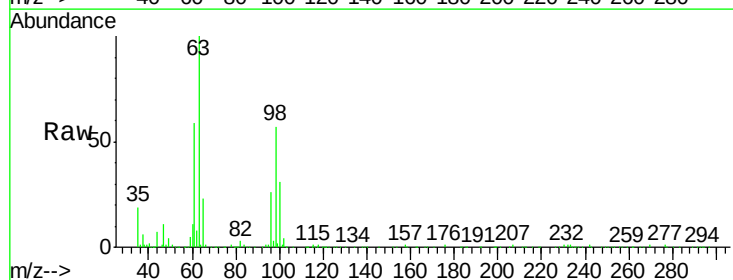
Tgt Ion: 96 Resp: 29783

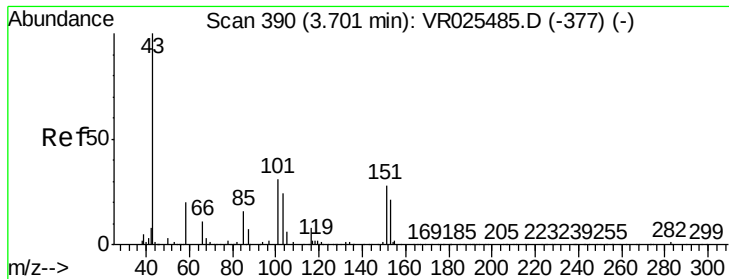
Ion Ratio Lower Upper

96 100

61 228.7 155.0 287.9

63 389.7 122.3 227.1#

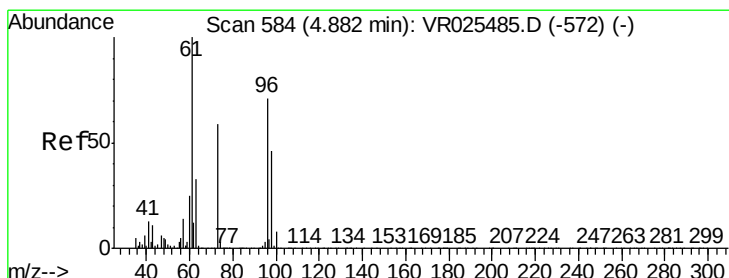
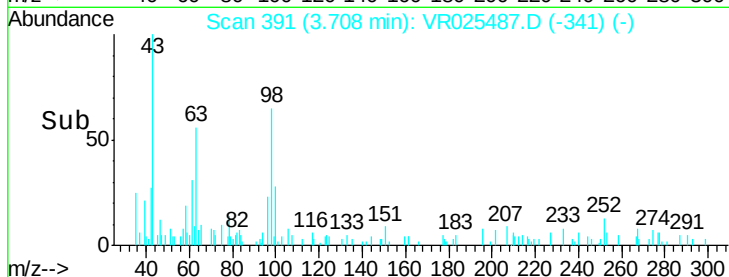
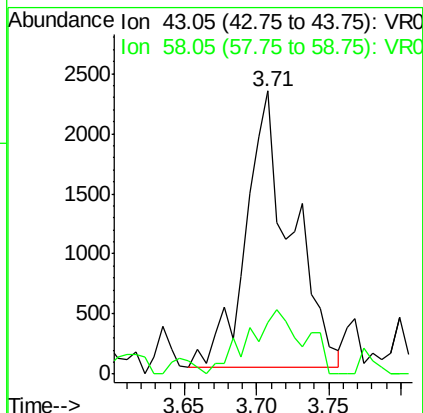
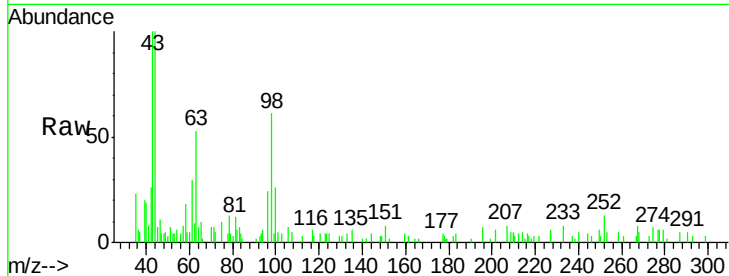




#13
Acetone
Concen: 1.845 ug/L
RT: 3.71 min Scan# 391
Delta R.T. 0.01 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

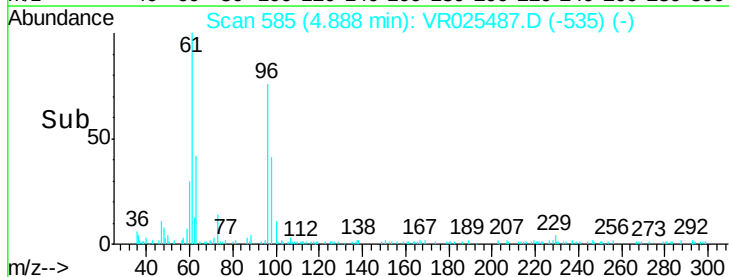
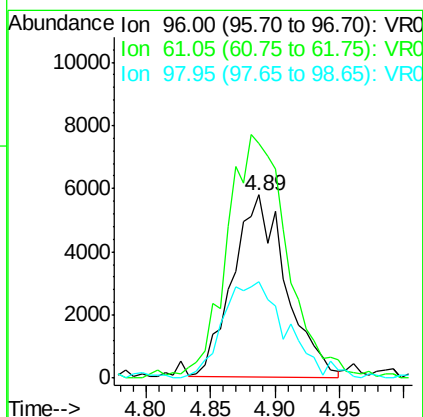
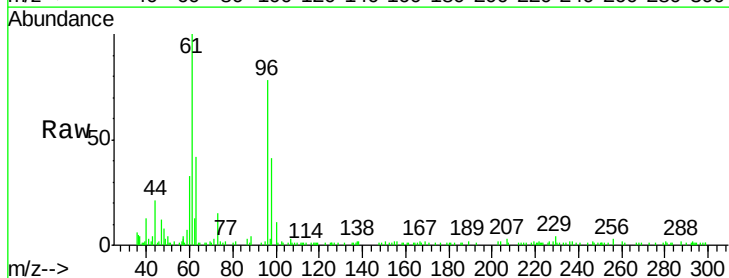
Instrument :
MSVOA_R
ClientSampleId :
C0AF3

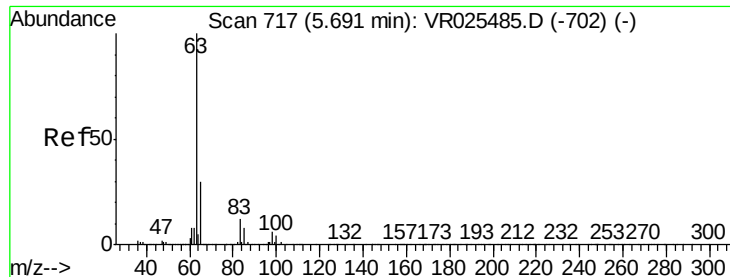
Tgt Ion: 43 Resp: 5035
Ion Ratio Lower Upper
43 100
58 28.4 0.0 41.6



#18
trans-1,2-Dichloroethene
Concen: 0.314 ug/L
RT: 4.89 min Scan# 585
Delta R.T. 0.01 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

Tgt Ion: 96 Resp: 16506
Ion Ratio Lower Upper
96 100
61 128.0 104.4 193.8
98 52.7 43.1 80.1

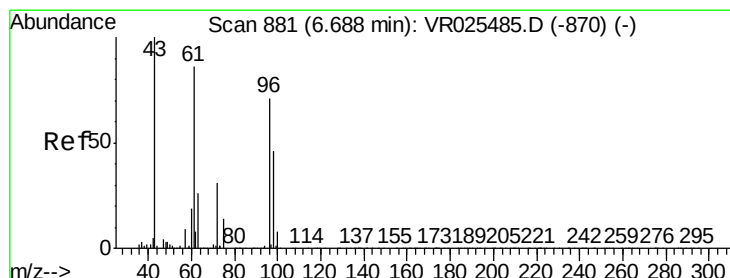
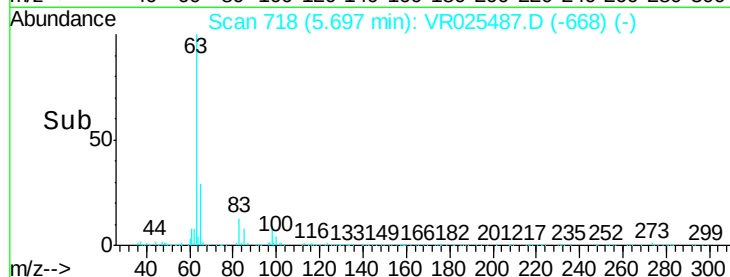
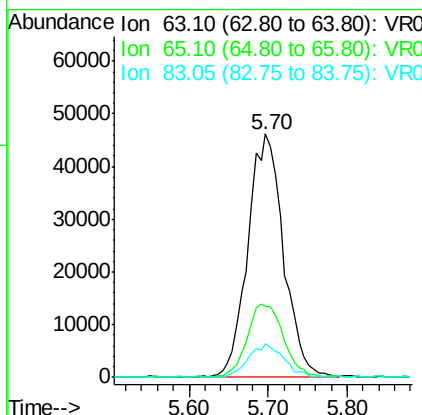
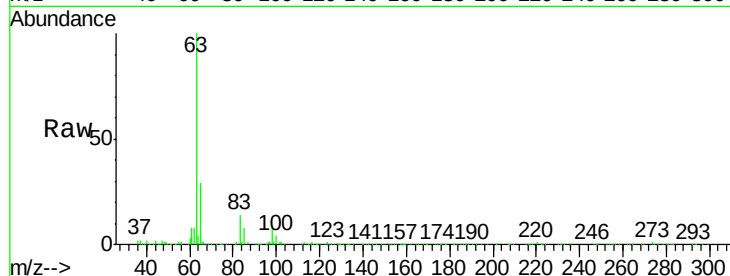




#19
 1,1-Dichloroethane
 Concen: 1.600 ug/L
 RT: 5.70 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

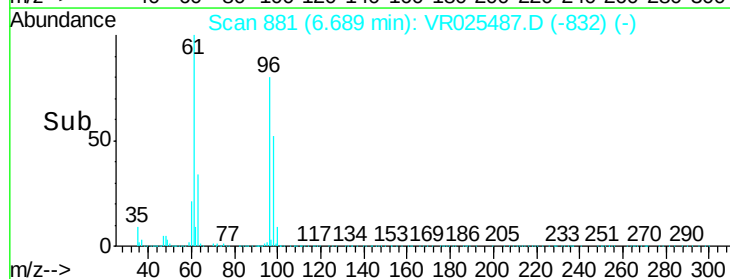
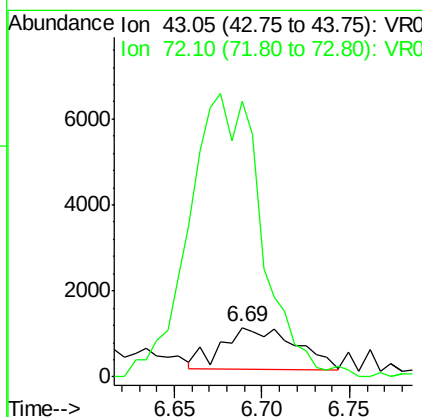
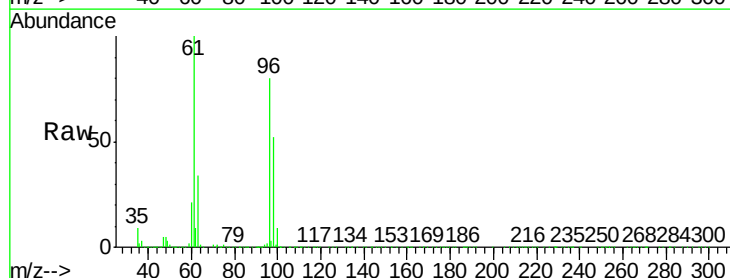
Instrument :
 MSVOA_R
 ClientSampleId :
 C0AF3

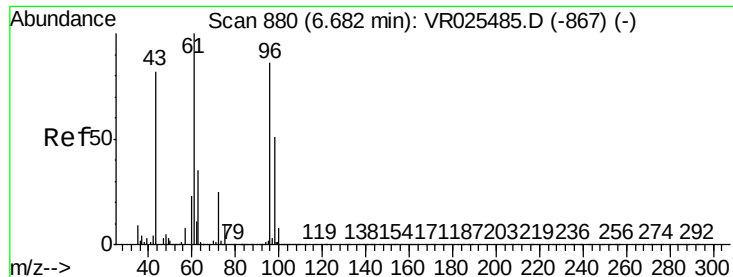
Tgt Ion: 63 Resp: 144430
 Ion Ratio Lower Upper
 63 100
 65 29.1 22.5 41.7
 83 13.8 9.5 17.7



#21
 2-Butanone
 Concen: 0.456 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

Tgt Ion: 43 Resp: 2901
 Ion Ratio Lower Upper
 43 100
 72 657.4 13.0 38.9#



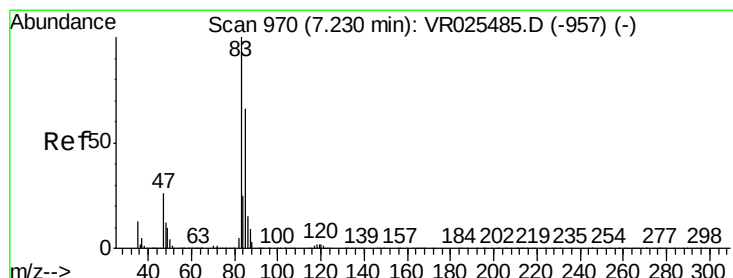
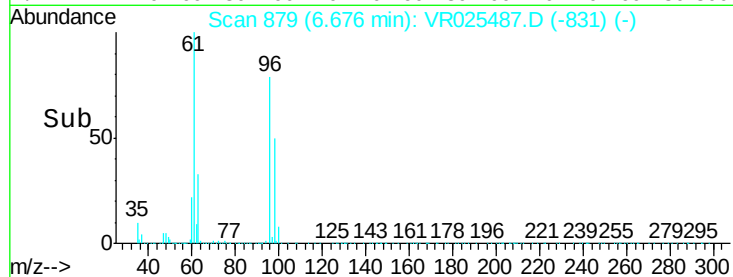
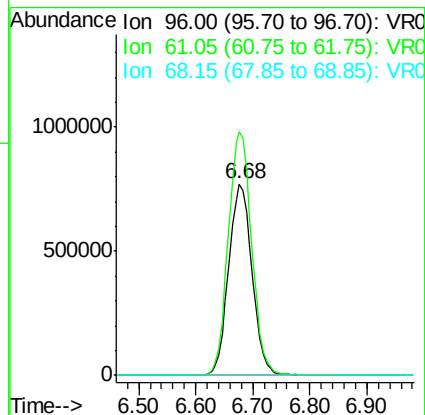
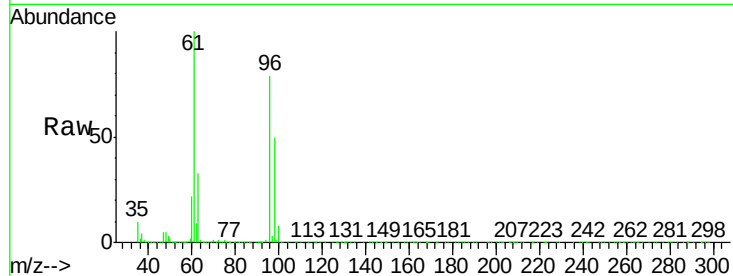


#22

cis-1,2-Dichloroethene
 Concen: 45.710 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

Instrument :
 MSVOA_R
 ClientSampleId :
 C0AF3

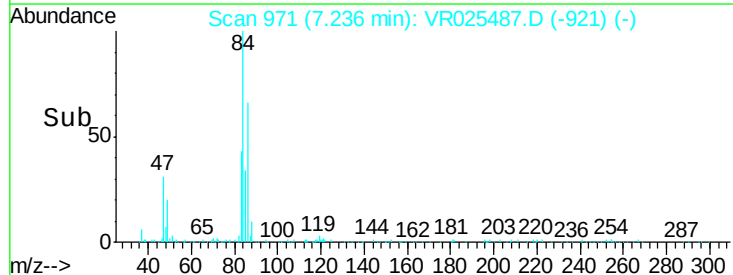
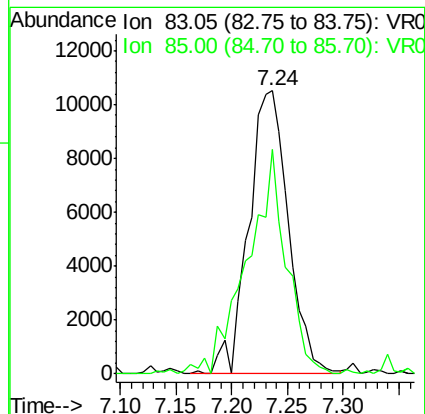
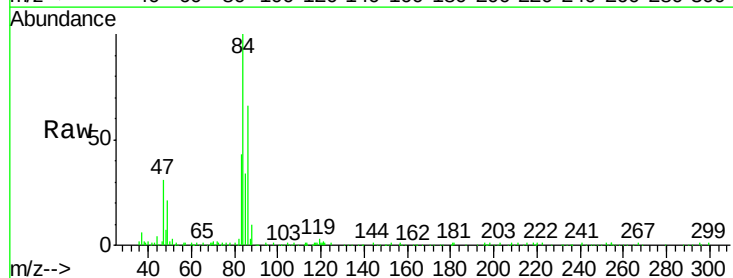
Tgt Ion: 96 Resp: 2207200
 Ion Ratio Lower Upper
 96 100
 61 127.4 91.0 169.0
 68 0.0 0.0 0.0#

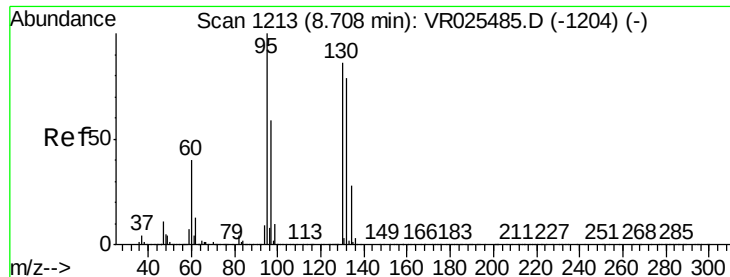


#25

Chloroform
 Concen: 0.300 ug/L
 RT: 7.24 min Scan# 971
 Delta R.T. 0.01 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

Tgt Ion: 83 Resp: 26045
 Ion Ratio Lower Upper
 83 100
 85 79.5 45.4 84.4





#34

Trichloroethene

Concen: 128.462 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

Instrument :

MSVOA_R

ClientSampleId :

C0AF3

Tgt Ion: 95 Resp: 6481030

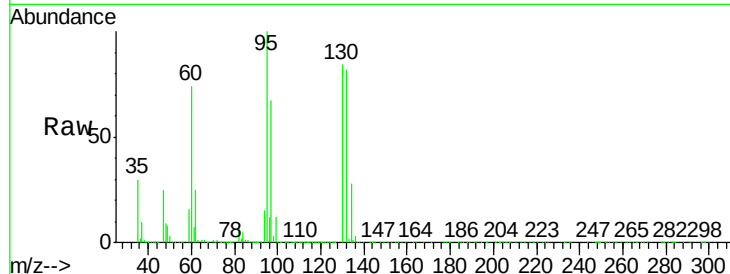
Ion Ratio Lower Upper

95 100

97 67.2 45.6 84.6

132 81.5 60.9 113.1

130 83.6 62.0 115.2

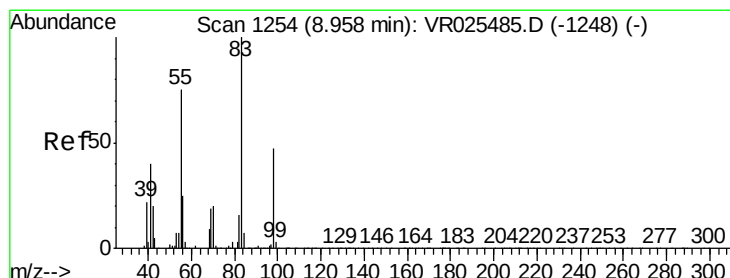
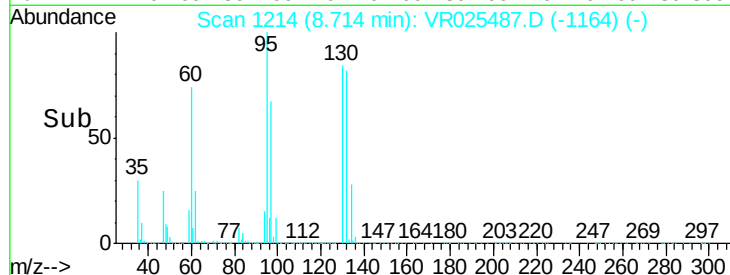
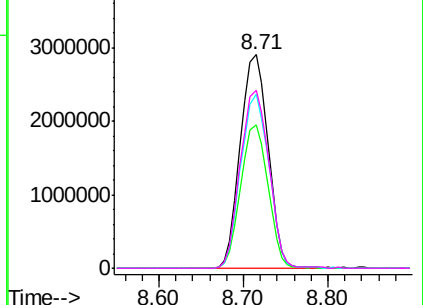


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.734 ug/L

RT: 8.90 min Scan# 1245

Delta R.T. -0.05 min

Lab File: VR025487.D

Acq: 17 Jul 2018 11:01

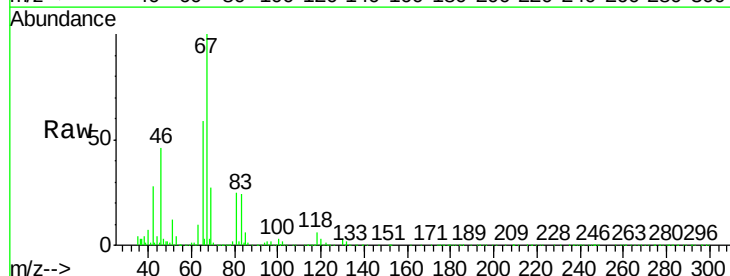
Tgt Ion: 83 Resp: 49496

Ion Ratio Lower Upper

83 100

55 1.0 66.1 99.1#

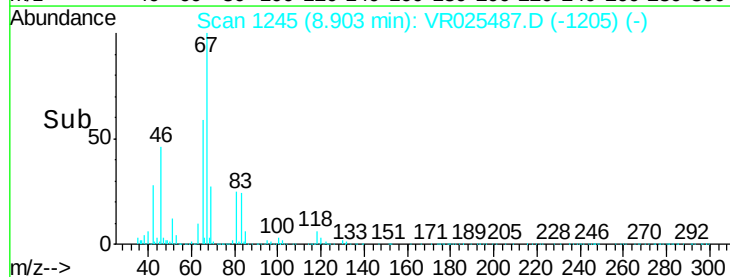
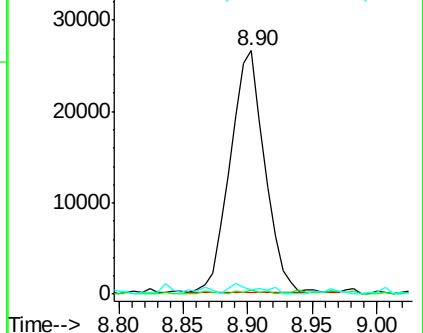
98 0.0 36.2 54.4#

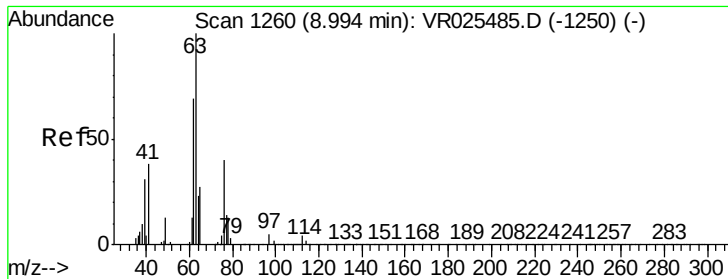


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

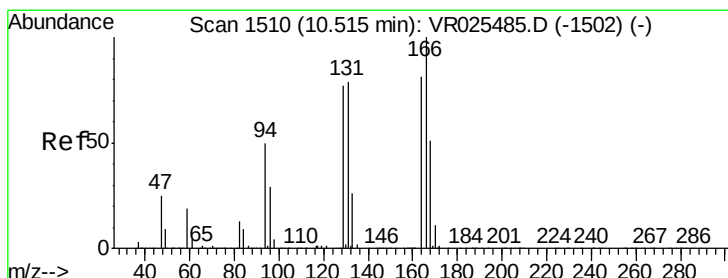
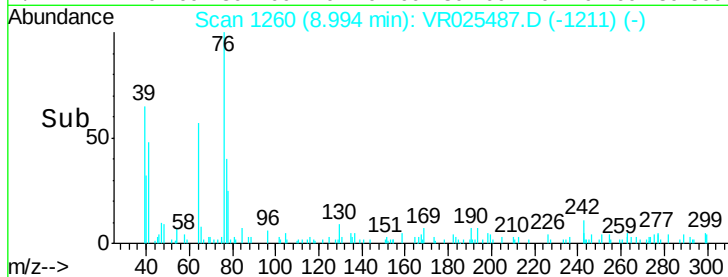
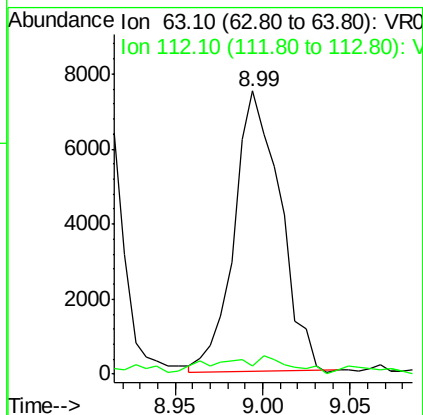
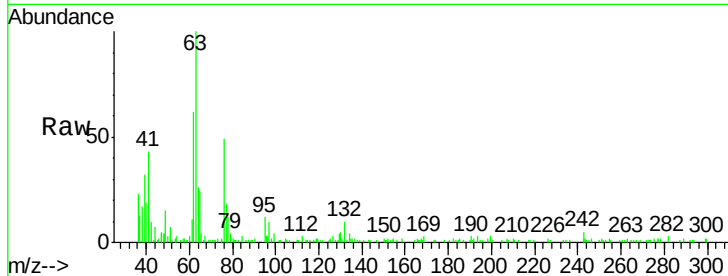




#37
 1,2-Dichloropropane
 Concen: 0.297 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

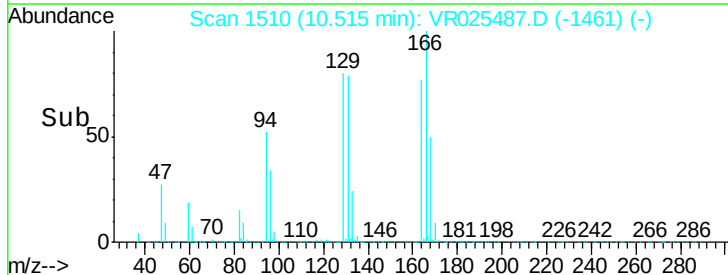
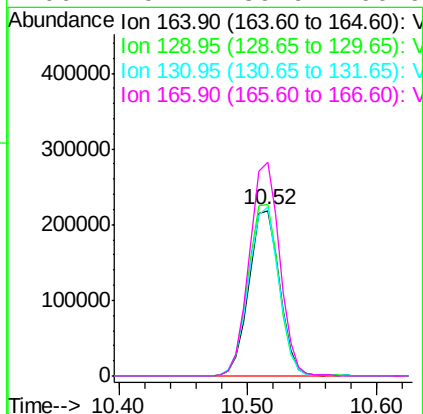
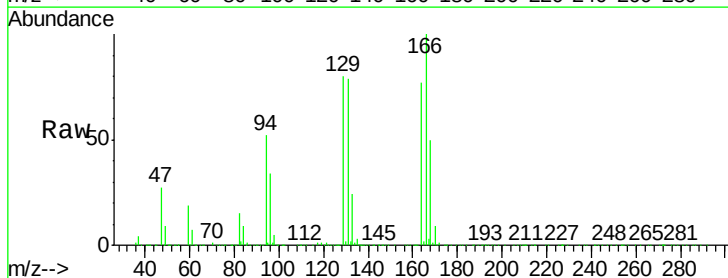
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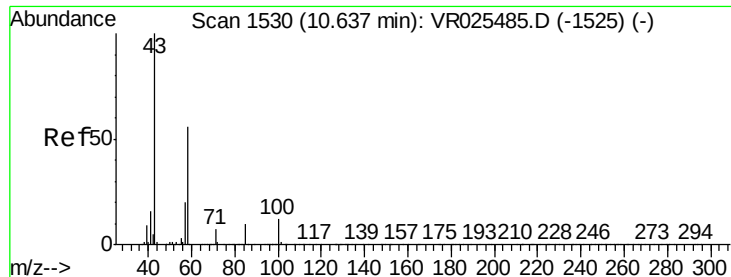
Tgt Ion: 63 Resp: 13681
 Ion Ratio Lower Upper
 63 100
 112 4.5 2.9 4.3#



#47
 Tetrachloroethene
 Concen: 10.866 ug/L
 RT: 10.52 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VR025487.D
 Acq: 17 Jul 2018 11:01

Tgt Ion: 164 Resp: 357959
 Ion Ratio Lower Upper
 164 100
 129 103.8 68.1 126.5
 131 101.9 68.5 127.1
 166 129.1 89.9 166.9

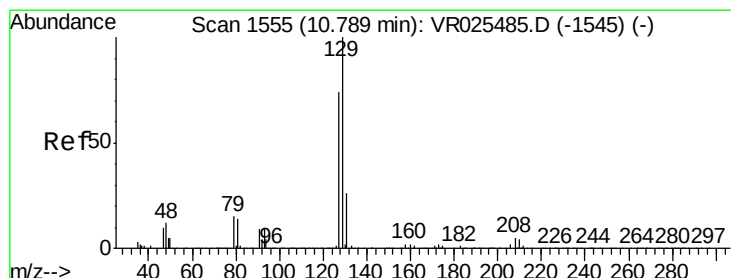
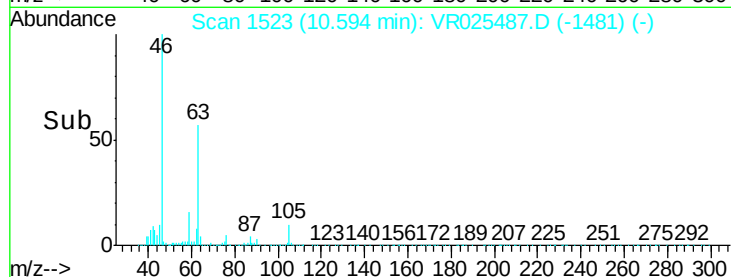
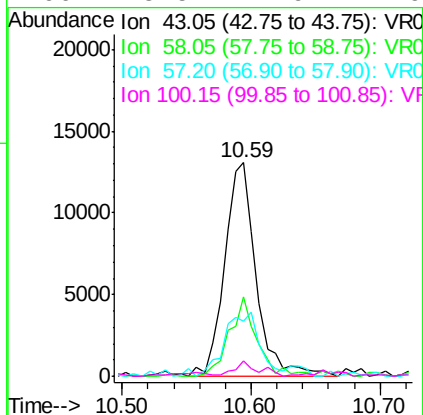
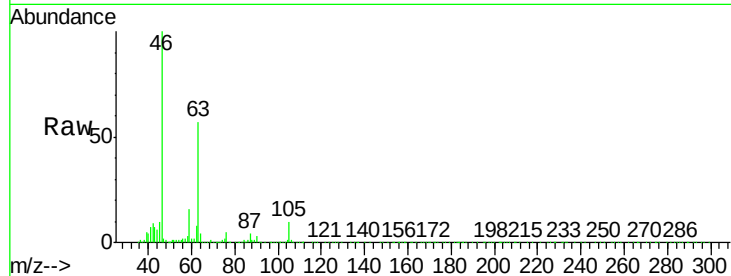




#48
2-Hexanone
Concen: 2.437 ug/L
RT: 10.59 min Scan# 1523
Delta R.T. -0.04 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

Instrument :
MSVOA_R
ClientSampleId :
C0AF3

Tgt Ion:	43	Resp:	22378
Ion	Ratio	Lower	Upper
43	100		
58	32.9	43.1	64.7#
57	33.9	15.3	22.9#
100	5.5	7.9	11.9#



#49
Dibromochloromethane
Concen: 11.538 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. -0.27 min
Lab File: VR025487.D
Acq: 17 Jul 2018 11:01

Tgt Ion:	129	Resp:	271529
Ion	Ratio	Lower	Upper
129	100		
127	0.1	55.9	103.7#

