

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062518\
 Data File : VR025432.D
 Acq On : 25 Jun 2018 16:52
 Operator : SY/MD
 Sample : J3673-14MSD
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 DAZA7MSD

Quant Time: Jun 26 01:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	528799	5.00	ug/L	0.02
28) Chlorobenzene-d5	11.29	117	392947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	155943	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	84060	4.67	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	2.63	69	59728	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	3.66	63	515266	11.12	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	222.40%#
20) 2-Butanone-d5	6.66	46	121753	25.22	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	50.44%
24) Chloroform-d	7.21	84	328199	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	7.91	65	137983	5.36	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.20%
32) Benzene-d6	7.87	84	665705	5.00	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	8.95	67	143460	3.79	ug/L	0.05
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.80%
41) Toluene-d8	9.98	98	505088	4.29	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
43) trans-1,3-Dichloropropene-	10.24	79	62416	6.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	124.00%
46) 2-Hexanone-d5	10.59	63	230641	65.97	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.94%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86919	5.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	118.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	127761	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
5) Vinyl chloride	2.17	62	2692467	122.966 ug/L	99
12) 1,1-Dichloroethene	3.67	96	579133	31.155 ug/L #	65
13) Acetone	3.73	43	35630	16.341 ug/L	90
18) trans-1,2-Dichloroethene	4.94	96	20001059	523.419 ug/L	97
19) 1,1-Dichloroethane	5.76	63	91307	1.272 ug/L	94
21) 2-Butanone	6.66	43	1250	0.243 ug/L #	1
22) cis-1,2-Dichloroethene	6.69	96	46873618	1175.506 ug/L #	84
25) Chloroform	7.24	83	64248	0.979 ug/L	96
27) 1,2-Dichloroethane	8.00	62	56206	1.876 ug/L #	74
33) Benzene	7.92	78	1112759	7.212 ug/L	100
34) Trichloroethene	8.82	95	83460820	2235.981 ug/L #	83
35) Methylcyclohexane	8.82	83	4373686	74.256 ug/L #	21
37) 1,2-Dichloropropane	8.95	63	25980	0.757 ug/L #	96
38) Bromodichloromethane	9.27	83	109471	3.291 ug/L	97
40) 4-Methyl-2-pentanone	9.87	43	3948	0.356 ug/L #	74
42) Toluene	10.04	91	957689	5.793 ug/L	99
45) 1,1,2-Trichloroethane	10.45	97	79546	4.996 ug/L	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jun 22 22:38:28 2018
Response via : Initial Calibration

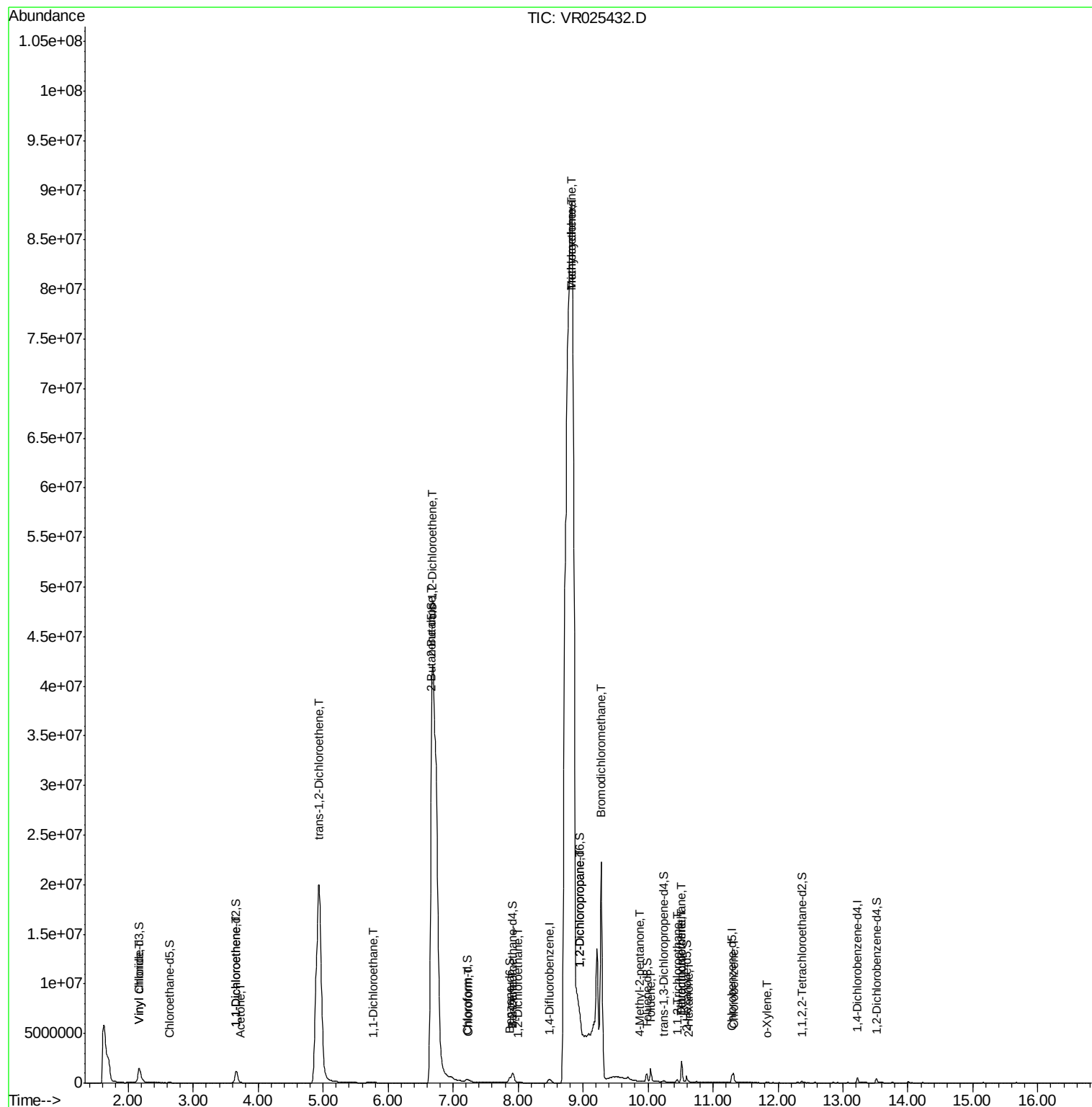
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Tetrachloroethene	10.52	164	456395	18.316	ug/L	97
48) 2-Hexanone	10.63	43	5443	0.769	ug/L #	46
49) Dibromochloromethane	10.52	129	455743	29.731	ug/L #	10
51) Chlorobenzene	11.32	112	483027	5.455	ug/L	98
54) o-Xylene	11.83	106	13463	0.241	ug/L	88

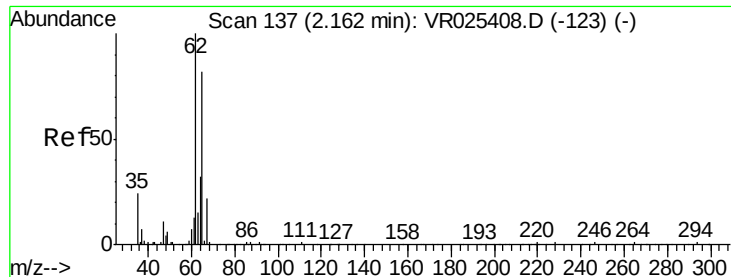
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR062518\
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#5

Vinyl chloride

Concen: 122.966 ug/L

RT: 2.17 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

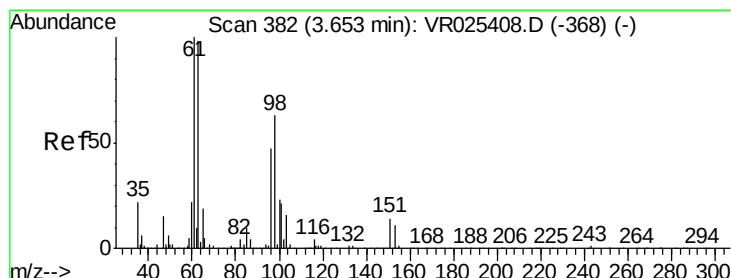
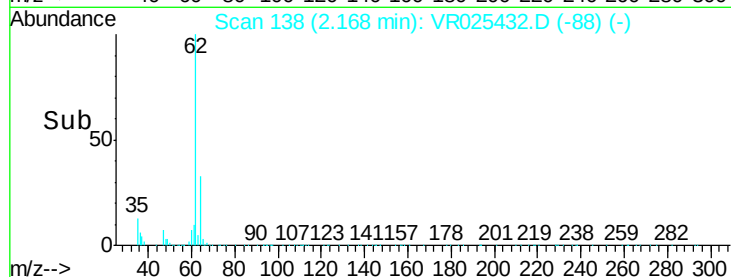
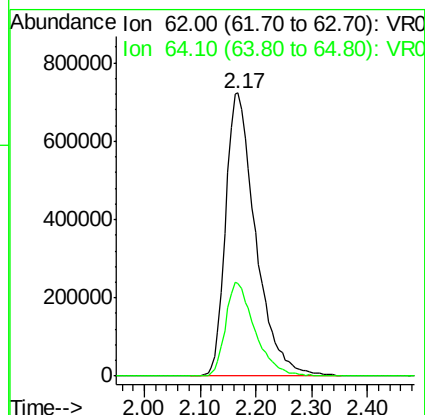
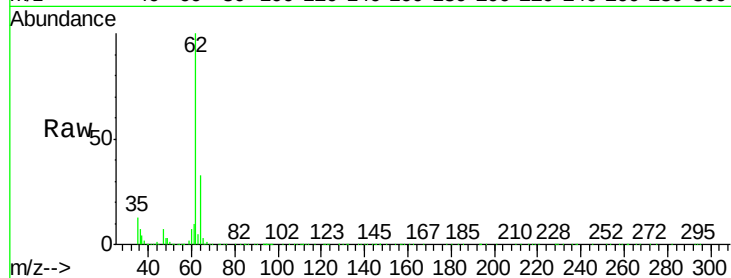
DAZA7MSD

Tgt Ion: 62 Resp: 2692467

Ion Ratio Lower Upper

62 100

64 32.9 22.8 42.4



#12

1,1-Dichloroethene

Concen: 31.155 ug/L

RT: 3.67 min Scan# 384

Delta R.T. 0.01 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

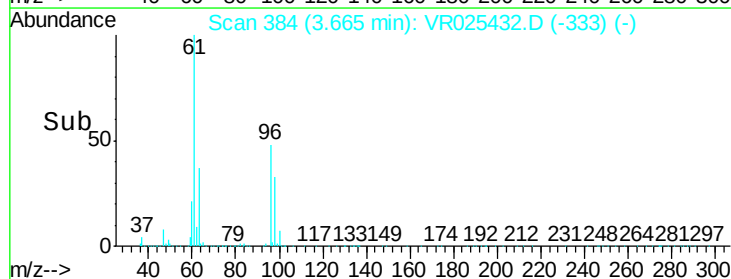
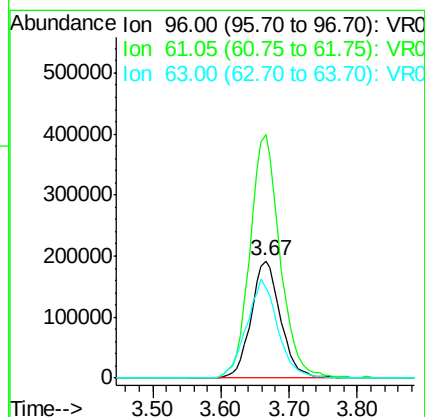
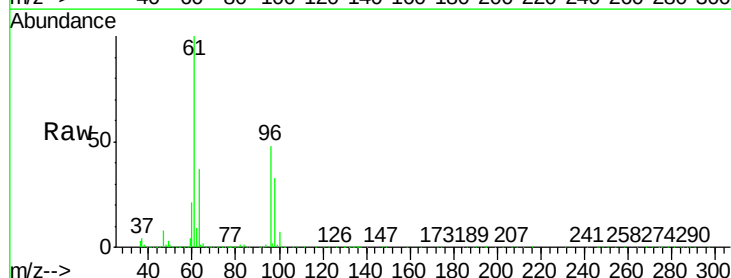
Tgt Ion: 96 Resp: 579133

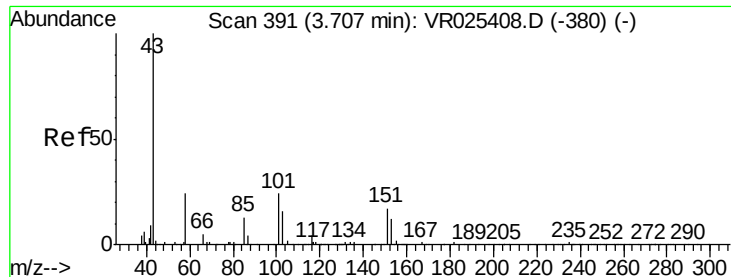
Ion Ratio Lower Upper

96 100

61 208.0 155.0 287.9

63 77.4 122.3 227.1#

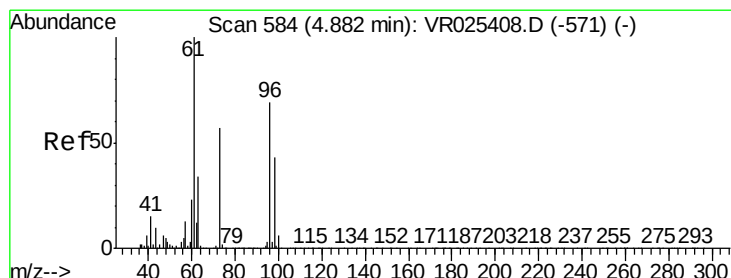
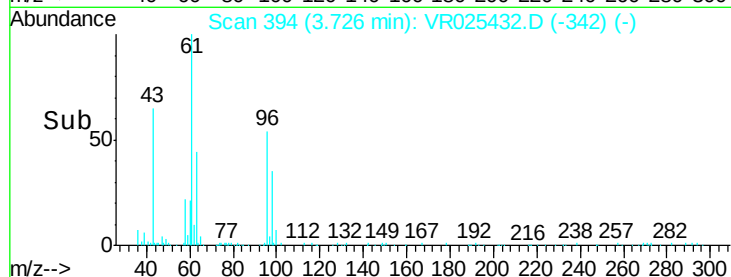
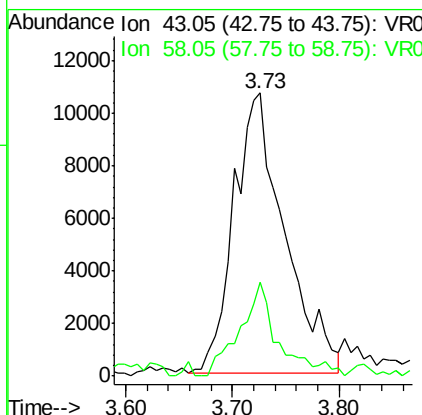
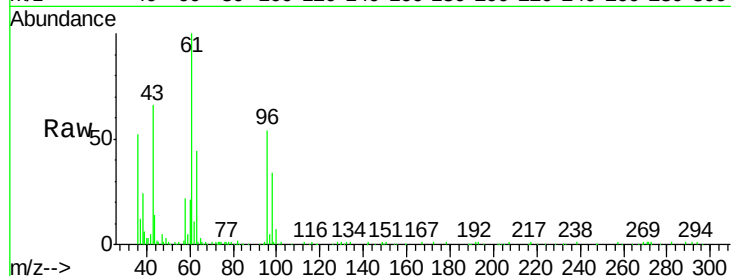




#13
Acetone
Concen: 16.341 ug/L
RT: 3.73 min Scan# 394
Delta R.T. 0.02 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

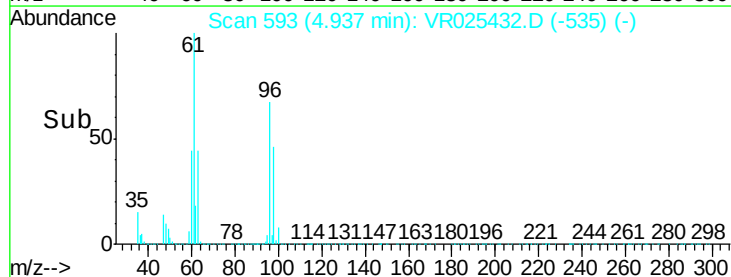
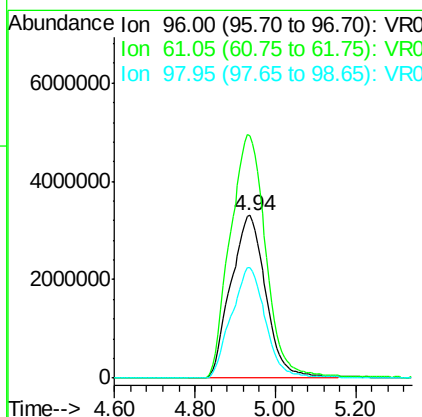
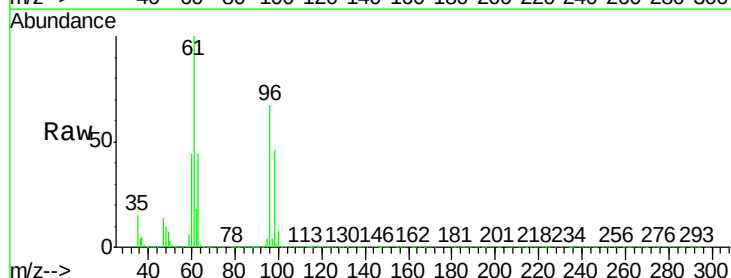
Instrument :
MSVOA_R
ClientSampleId :
DAZA7MSD

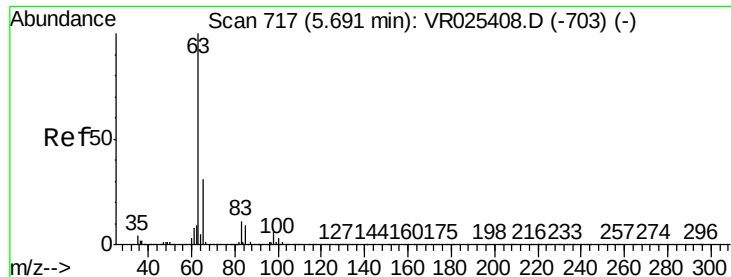
Tgt Ion: 43 Resp: 35630
Ion Ratio Lower Upper
43 100
58 25.3 0.0 41.6



#18
trans-1,2-Dichloroethene
Concen: 523.419 ug/L
RT: 4.94 min Scan# 593
Delta R.T. 0.05 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

Tgt Ion: 96 Resp: 20001059
Ion Ratio Lower Upper
96 100
61 148.6 104.4 193.8
98 67.8 43.1 80.1





#19

1,1-Dichloroethane

Concen: 1.272 ug/L

RT: 5.76 min Scan# 729

Delta R.T. 0.07 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

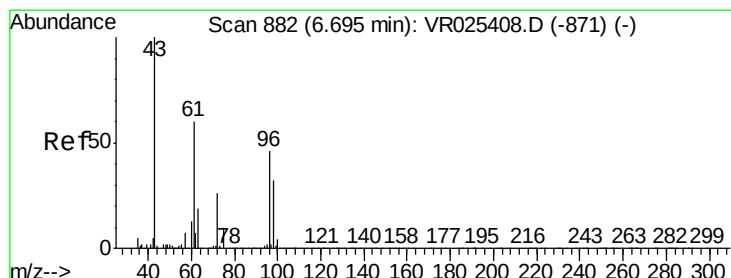
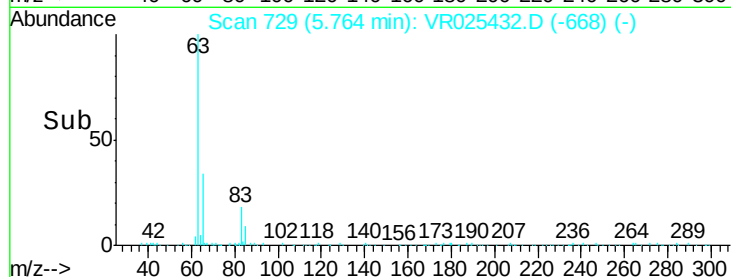
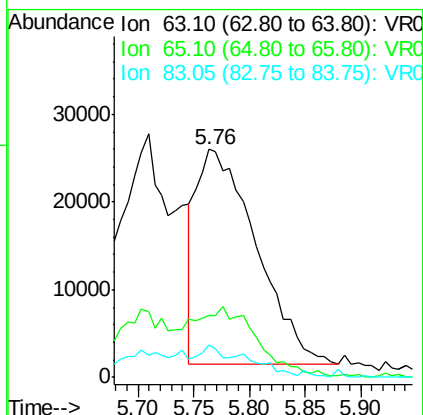
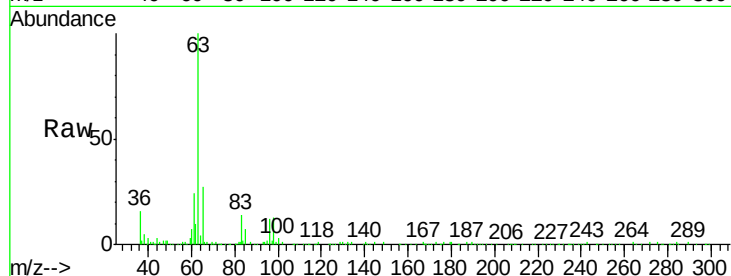
Instrument :

MSVOA_R

ClientSampleId :

DAZA7MSD

Tgt Ion:	63	Resp:	91307
Ion	Ratio	Lower	Upper
63	100		
65	27.8	22.5	41.7
83	14.0	9.5	17.7



#21

2-Butanone

Concen: 0.243 ug/L

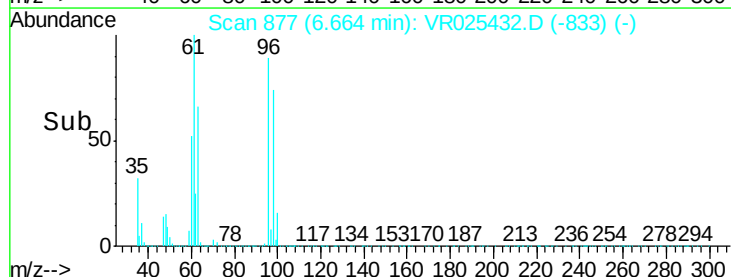
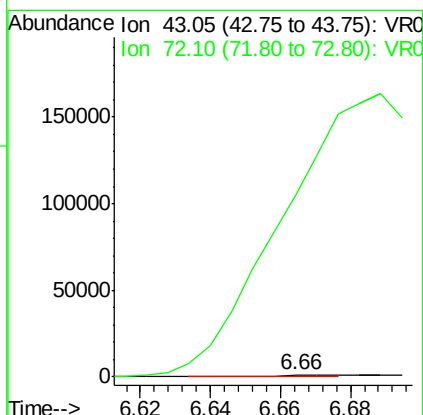
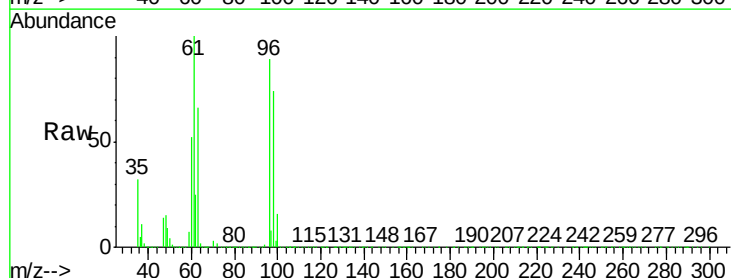
RT: 6.66 min Scan# 877

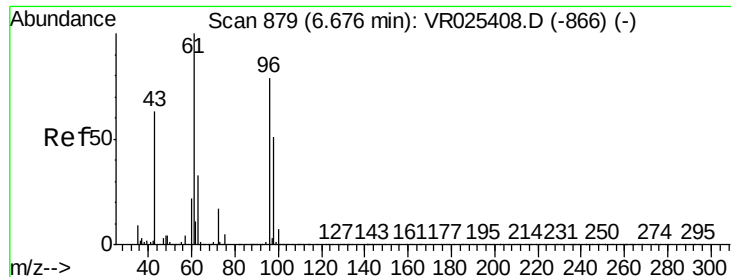
Delta R.T. -0.03 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

Tgt Ion:	43	Resp:	1250
Ion	Ratio	Lower	Upper
43	100		
72	70164.1	13.0	38.9#



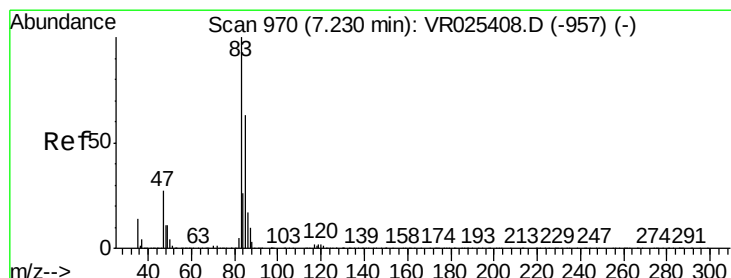
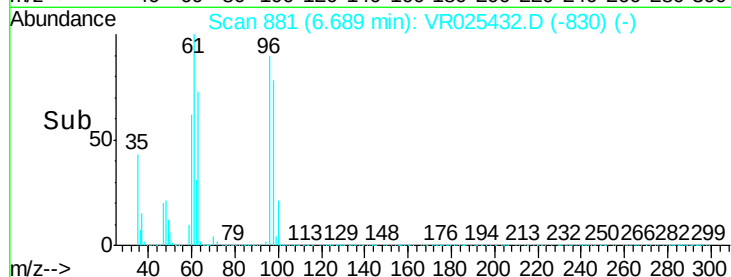
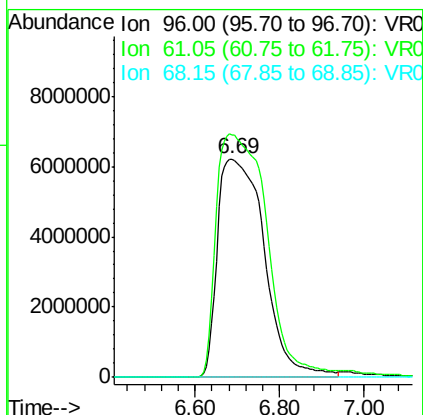
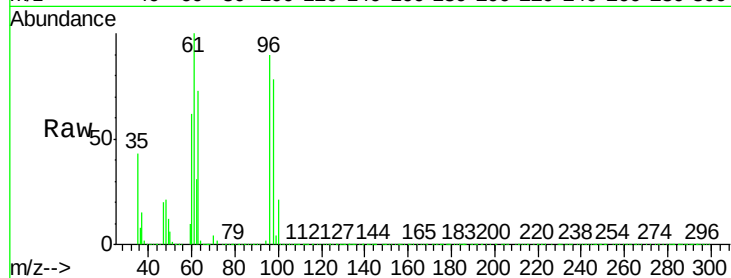


#22

cis-1,2-Dichloroethene
 Concen: 1175.506 ug/L
 RT: 6.69 min Scan# 881
 Delta R.T. 0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

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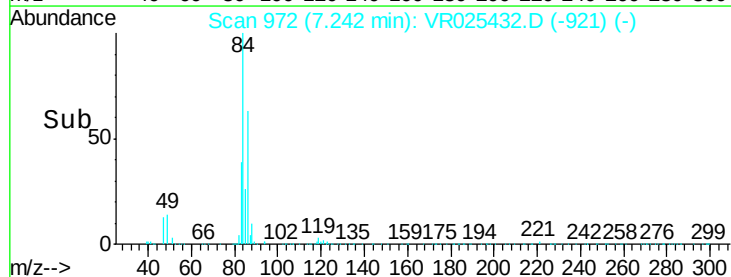
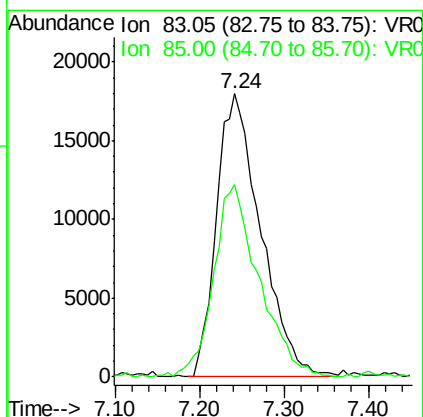
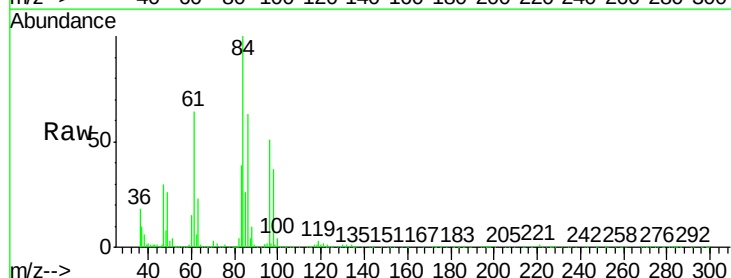
Tgt Ion: 96 Resp: 46873618
 Ion Ratio Lower Upper
 96 100
 61 111.4 91.0 169.0
 68 0.0 0.0 0.0#

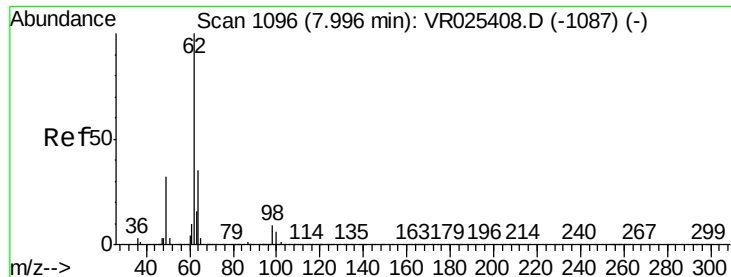


#25

Chloroform
 Concen: 0.979 ug/L
 RT: 7.24 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

Tgt Ion: 83 Resp: 64248
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.4 84.4

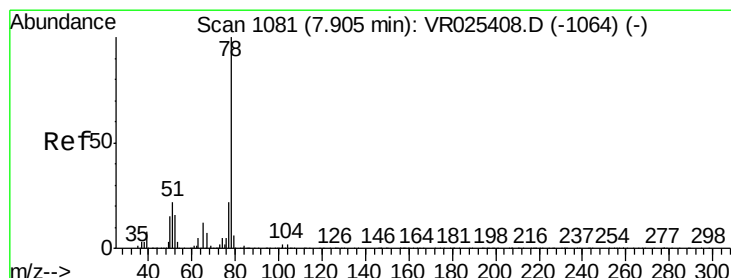
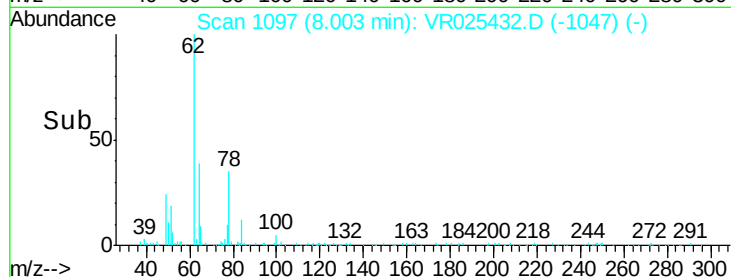
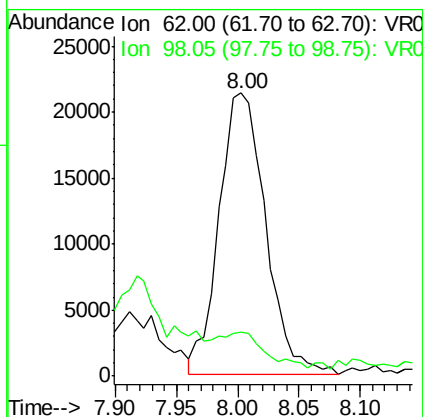
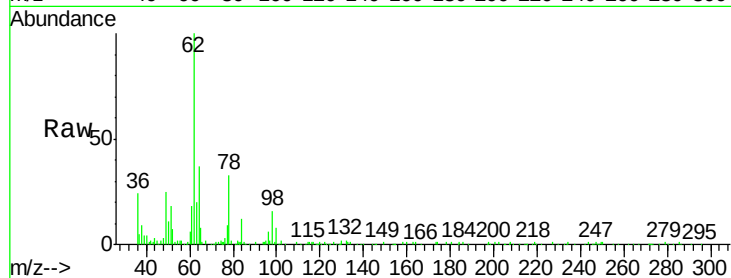




#27
 1,2-Dichloroethane
 Concen: 1.876 ug/L
 RT: 8.00 min Scan# 1097
 Delta R.T. 0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

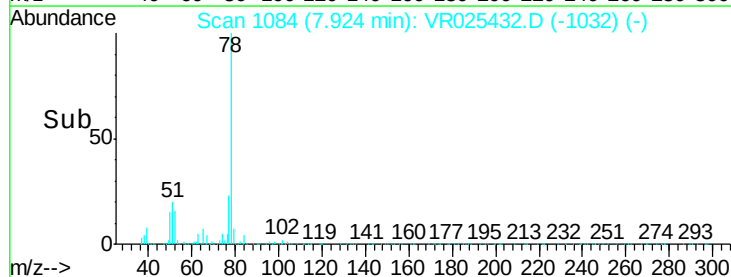
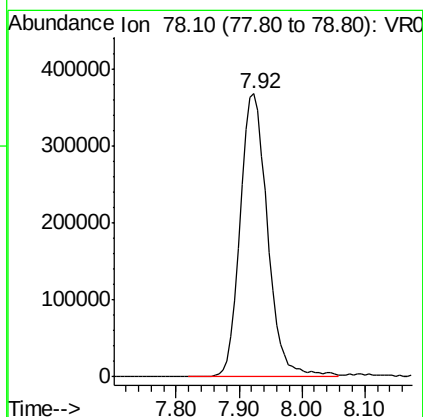
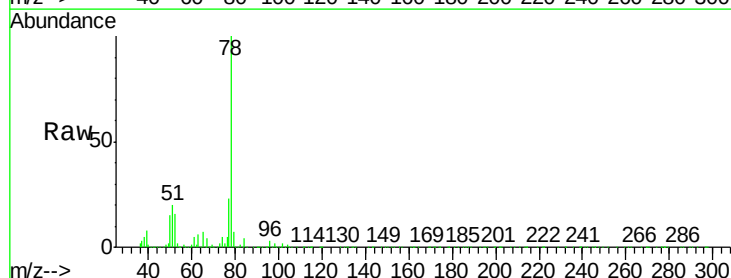
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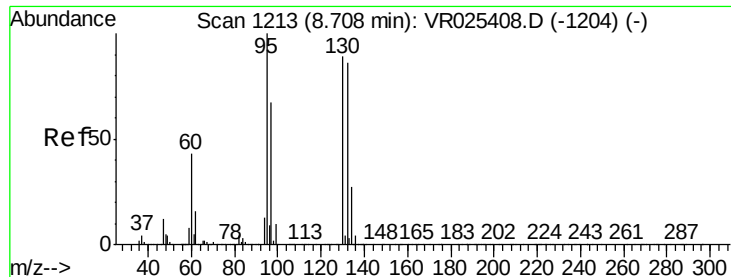
Tgt Ion: 62 Resp: 56206
 Ion Ratio Lower Upper
 62 100
 98 15.7 5.4 8.2#



#33
 Benzene
 Concen: 7.212 ug/L
 RT: 7.92 min Scan# 1084
 Delta R.T. 0.02 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

Tgt Ion: 78 Resp: 1112759





#34

Trichloroethene

Concen: 2235.981 ug/L

RT: 8.82 min Scan# 1232

Delta R.T. 0.12 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

Instrument :

MSVOA_R

ClientSampleId :

DAZA7MSD

Tgt Ion: 95 Resp:83460820

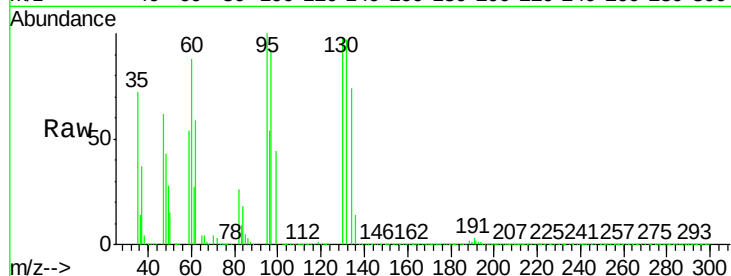
Ion Ratio Lower Upper

95 100

97 92.2 45.6 84.6#

132 97.1 60.9 113.1

130 98.5 62.0 115.2

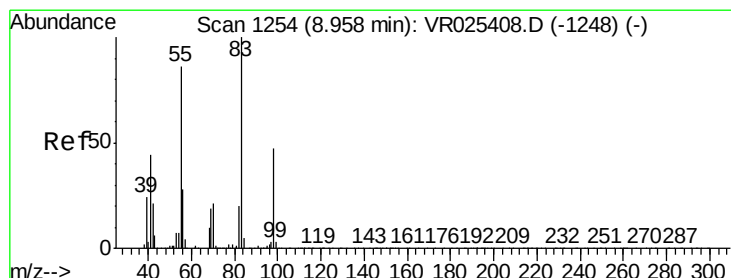
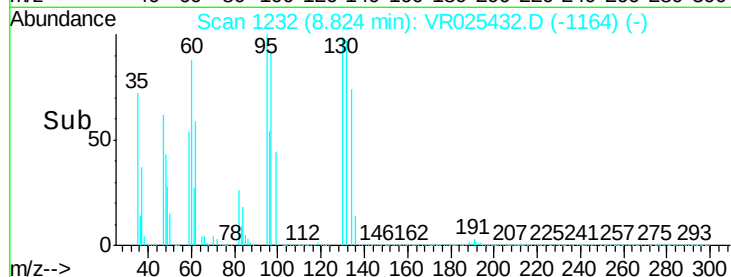
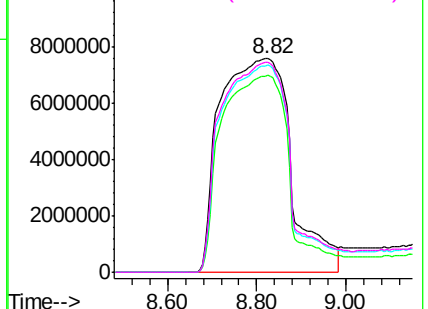


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 74.256 ug/L

RT: 8.82 min Scan# 1232

Delta R.T. -0.13 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

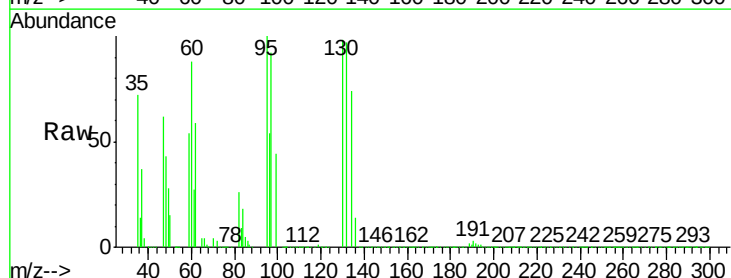
Tgt Ion: 83 Resp: 4373686

Ion Ratio Lower Upper

83 100

55 0.0 66.1 99.1#

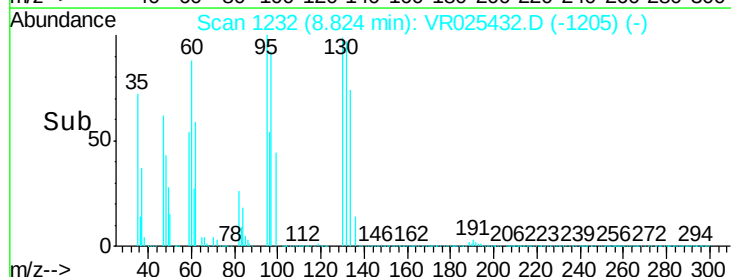
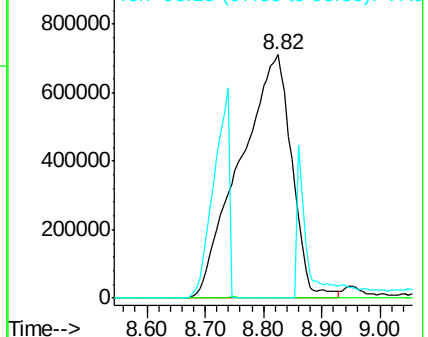
98 9.5 36.2 54.4#

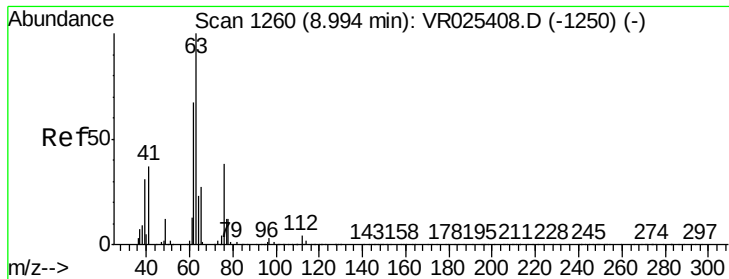


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

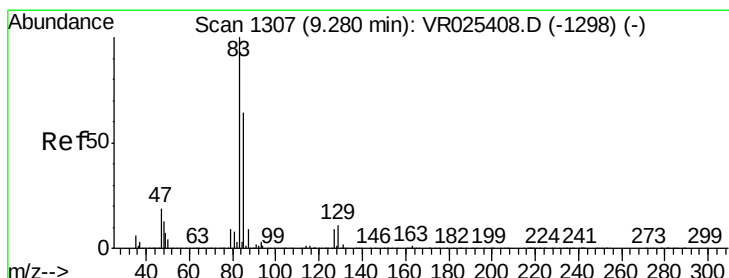
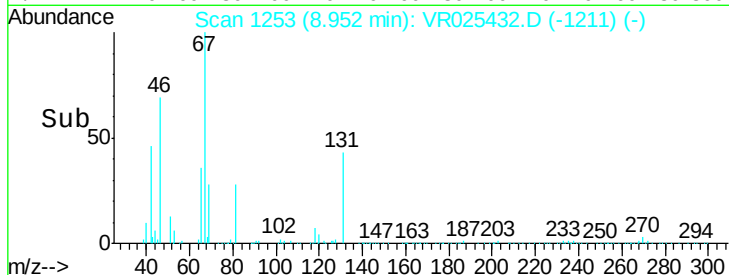
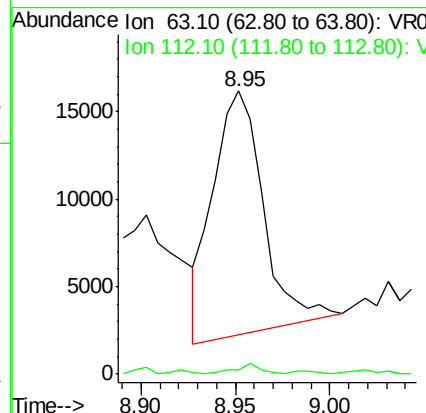
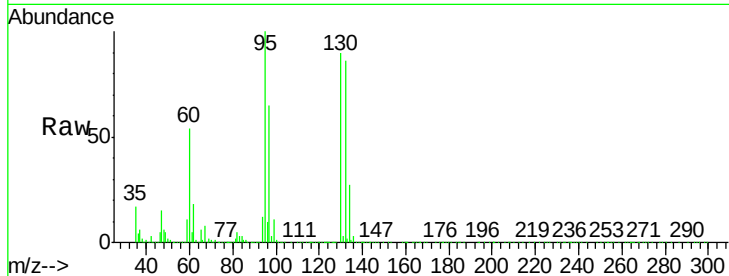




#37
 1,2-Dichloropropane
 Concen: 0.757 ug/L
 RT: 8.95 min Scan# 1253
 Delta R.T. -0.04 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

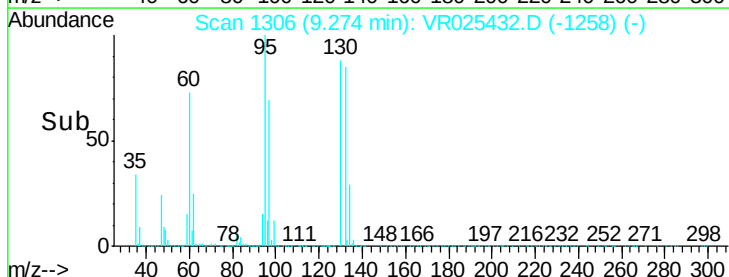
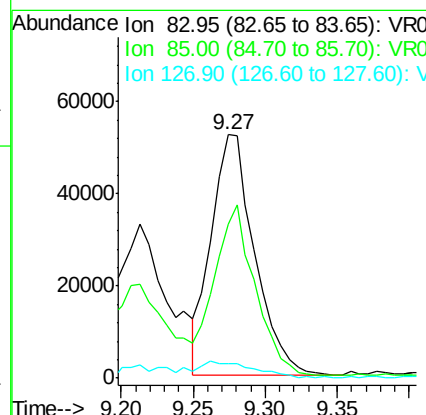
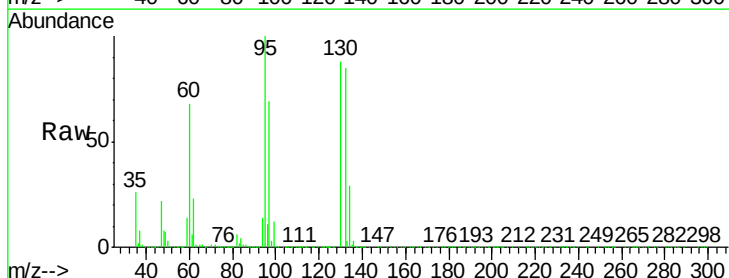
Instrument :
 MSVOA_R
 ClientSampleId :
 DAZA7MSD

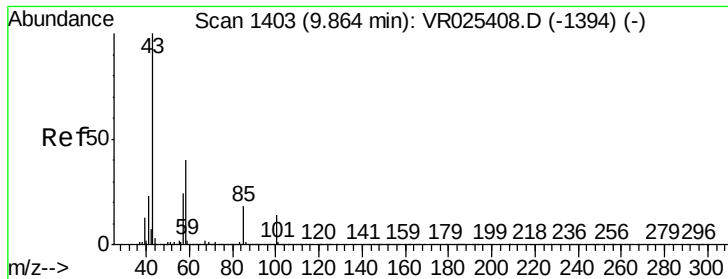
Tgt Ion: 63 Resp: 25980
 Ion Ratio Lower Upper
 63 100
 112 2.2 2.9 4.3#



#38
 Bromodichloromethane
 Concen: 3.291 ug/L
 RT: 9.27 min Scan# 1306
 Delta R.T. -0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

Tgt Ion: 83 Resp: 109471
 Ion Ratio Lower Upper
 83 100
 85 63.2 46.1 85.7
 127 6.0 5.7 8.5

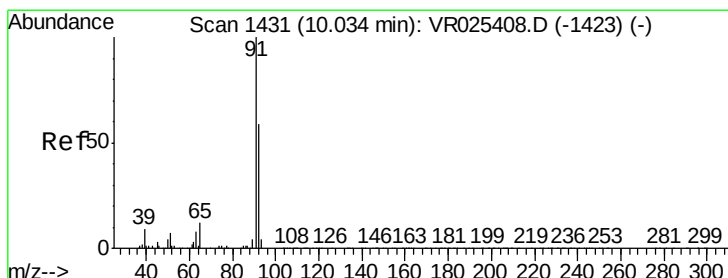
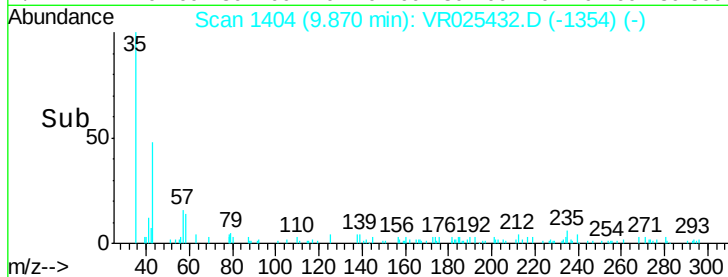
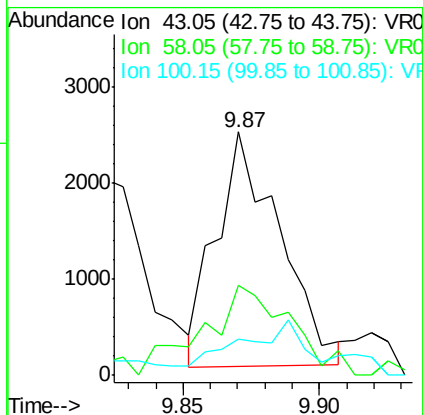
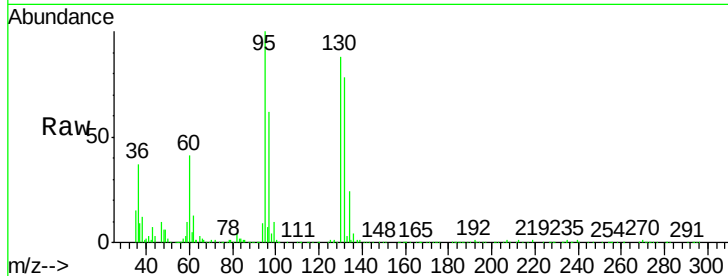




#40
4-Methyl-2-pentanone
Concen: 0.356 ug/L
RT: 9.87 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

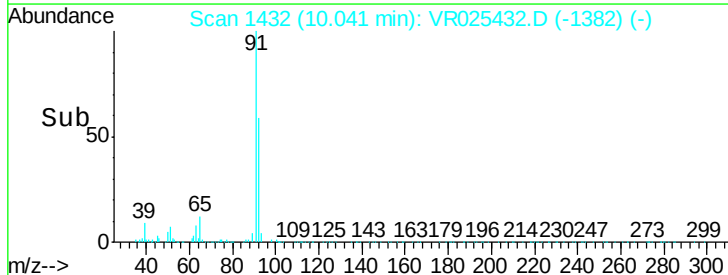
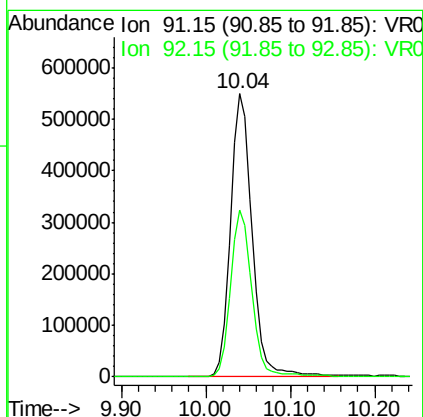
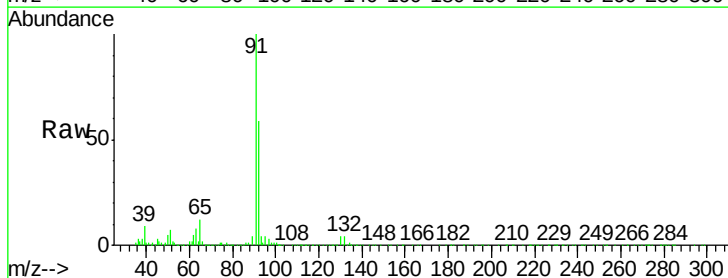
Instrument :
MSVOA_R
ClientSampleId :
DAZA7MSD

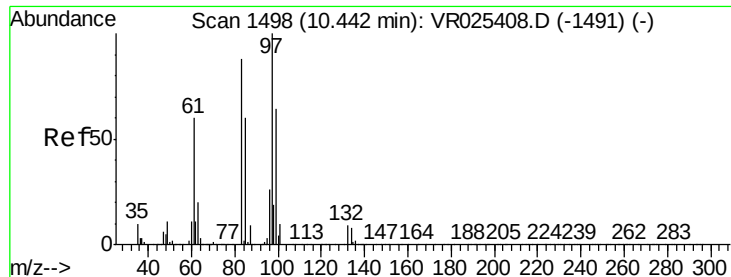
Tgt Ion: 43 Resp: 3948
Ion Ratio Lower Upper
43 100
58 52.6 30.3 45.5#
100 0.0 10.3 15.5#



#42
Toluene
Concen: 5.793 ug/L
RT: 10.04 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

Tgt Ion: 91 Resp: 957689
Ion Ratio Lower Upper
91 100
92 59.0 41.9 77.7

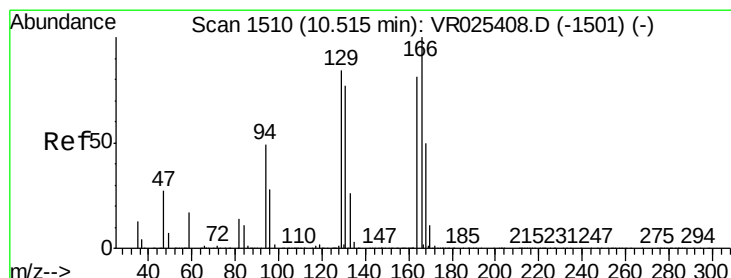
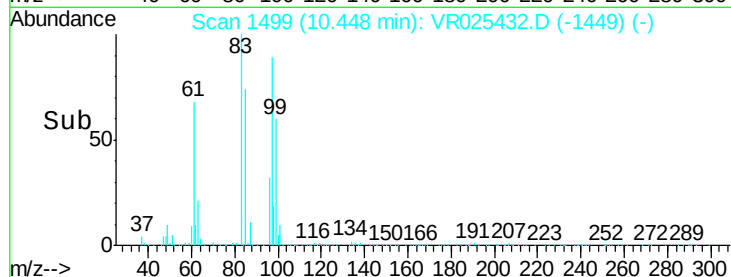
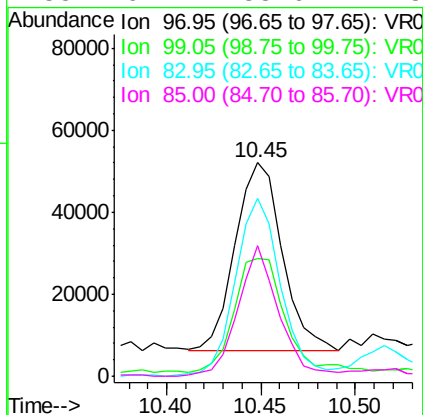
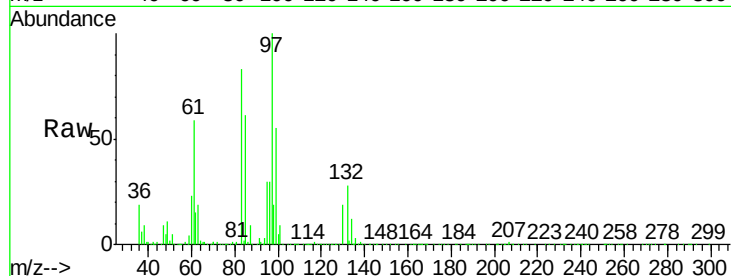




#45
 1,1,2-Trichloroethane
 Concen: 4.996 ug/L
 RT: 10.45 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

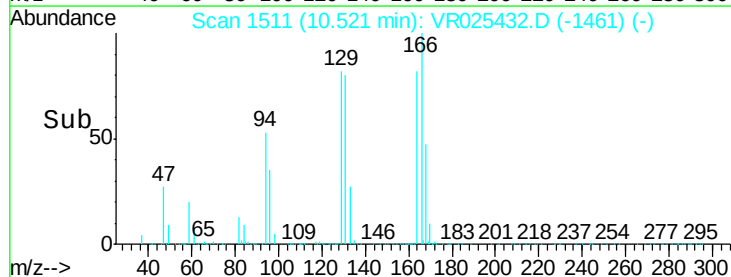
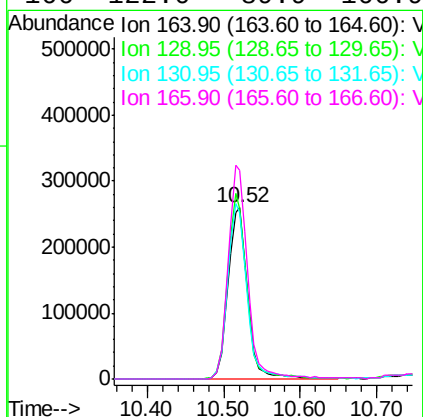
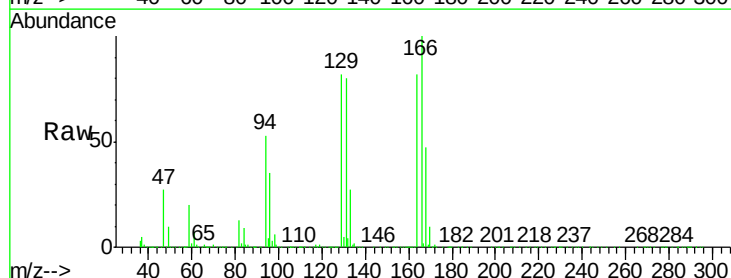
Instrument :
 MSVOA_R
 ClientSampleId :
 DAZA7MSD

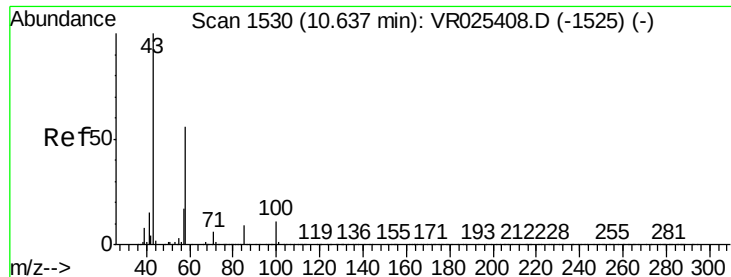
Tgt Ion:	97	Resp:	79546
Ion	Ratio	Lower	Upper
97	100		
99	55.1	41.9	77.9
83	83.2	64.5	119.9
85	61.4	38.6	71.8



#47
 Tetrachloroethene
 Concen: 18.316 ug/L
 RT: 10.52 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VR025432.D
 Acq: 25 Jun 2018 16:52

Tgt Ion:	164	Resp:	456395
Ion	Ratio	Lower	Upper
164	100		
129	99.5	68.1	126.5
131	97.6	68.5	127.1
166	122.0	89.9	166.9

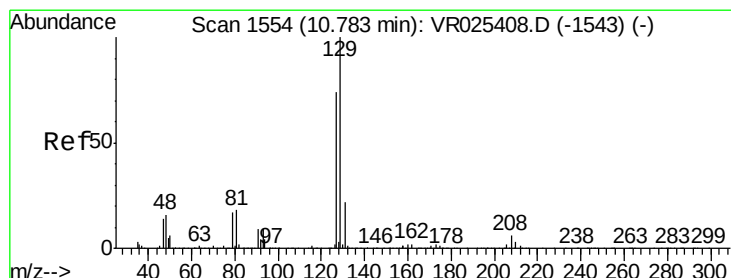
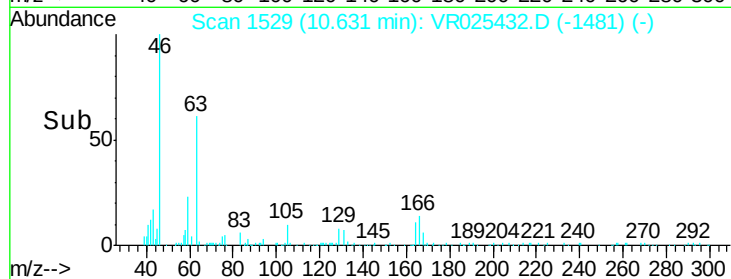
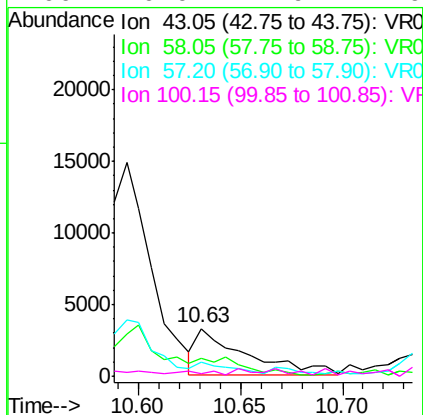
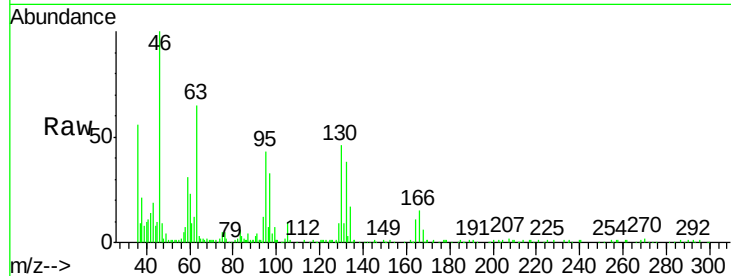




#48
2-Hexanone
Concen: 0.769 ug/L
RT: 10.63 min Scan# 1529
Delta R.T. -0.01 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

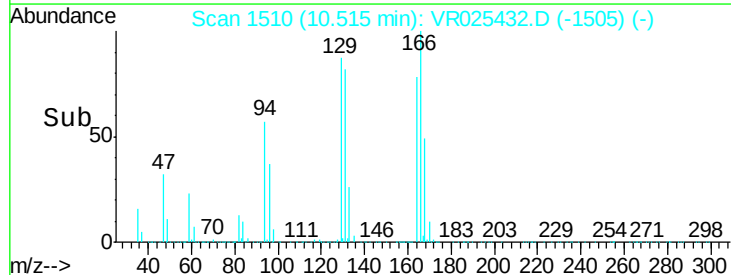
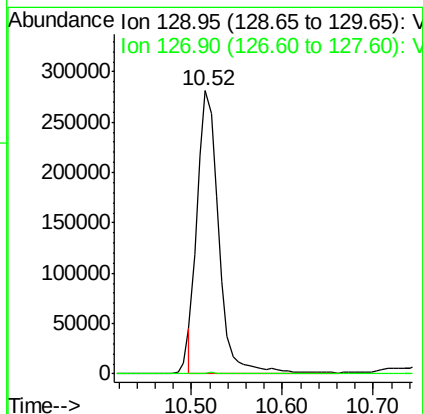
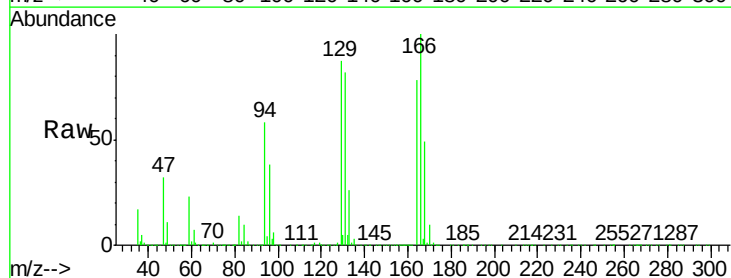
Instrument :
MSVOA_R
ClientSampleId :
DAZA7MSD

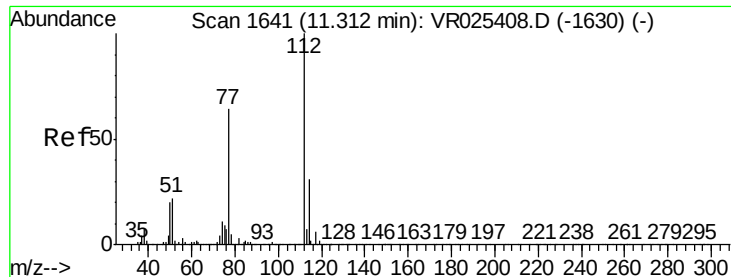
Tgt Ion:	43	Resp:	5443
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.1	64.7#
57	22.4	15.3	22.9
100	0.0	7.9	11.9#



#49
Dibromochloromethane
Concen: 29.731 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. -0.27 min
Lab File: VR025432.D
Acq: 25 Jun 2018 16:52

Tgt Ion:	129	Resp:	455743
Ion	Ratio	Lower	Upper
129	100		
127	0.3	55.9	103.7#





#51

Chlorobenzene

Concen: 5.455 ug/L

RT: 11.32 min Scan# 1642

Delta R.T. 0.01 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

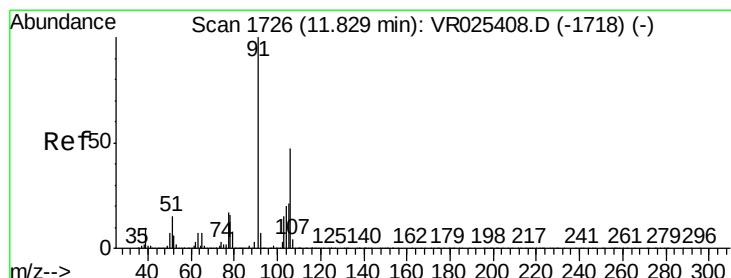
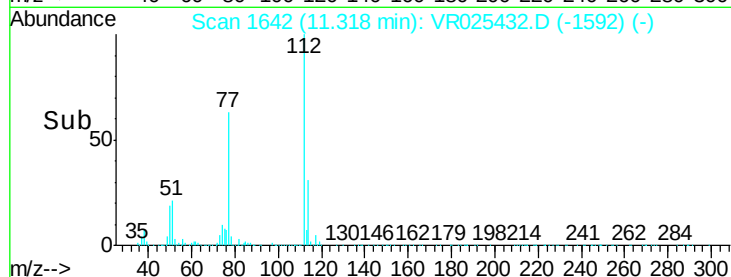
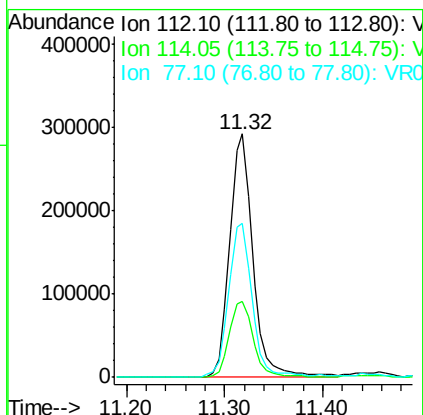
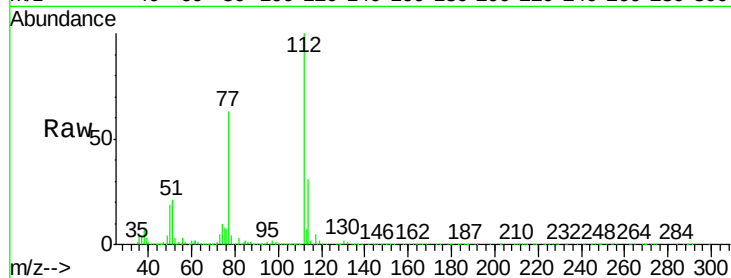
Instrument :

MSVOA_R

ClientSampleId :

DAZA7MSD

Tgt Ion:	112	Resp:	483027
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.6	40.0
77	63.1	51.9	77.9



#54

o-Xylene

Concen: 0.241 ug/L

RT: 11.83 min Scan# 1726

Delta R.T. 0.00 min

Lab File: VR025432.D

Acq: 25 Jun 2018 16:52

Tgt Ion:	106	Resp:	13463
Ion	Ratio	Lower	Upper
106	100		
91	238.8	153.7	285.5

