

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR070518\
 Data File : VR025448.D
 Acq On : 5 Jul 2018 20:14
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Quant Time: Jul 06 01:26:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 05 15:29:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	736207	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	625413	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	246347	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	99204	4.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.80%
7) Chloroethane-d5	2.62	69	82841	4.79	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	3.63	63	288849	4.70	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	6.60	46	327601	51.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.94%
24) Chloroform-d	7.21	84	468354	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	7.90	65	182596	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	7.86	84	1006312	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
36) 1,2-Dichloropropane-d6	8.90	67	282159	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	9.97	98	892458	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
43) trans-1,3-Dichloropropene-	10.24	79	71041	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	10.59	63	298117	57.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.68%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	133285	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	201534	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	211585	5.087 ug/L	92
3) Chloromethane	2.00	50	116253	4.715 ug/L	96
5) Vinyl chloride	2.16	62	114019	5.147 ug/L	99
6) Bromomethane	2.53	94	62812	4.819 ug/L	93
8) Chloroethane	2.66	64	63944	4.636 ug/L	87
9) Trichlorofluoromethane	2.93	101	32404	0.895 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	109533	4.971 ug/L	98
12) 1,1-Dichloroethene	3.65	96	110399	5.016 ug/L	99
13) Acetone	3.70	43	131412	46.269 ug/L	99
14) Carbon disulfide	3.97	76	220786	4.408 ug/L	97
15) Methyl Acetate	4.19	43	31964	5.030 ug/L	100
16) Methylene chloride	4.39	84	61531	2.854 ug/L	94
17) Methyl tert-butyl Ether	4.90	73	345043	4.810 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	262575	4.796 ug/L	96
19) 1,1-Dichloroethane	5.69	63	441433	4.700 ug/L	98
21) 2-Butanone	6.69	43	357602	54.052 ug/L	99
22) cis-1,2-Dichloroethene	6.68	96	261081	5.196 ug/L #	99

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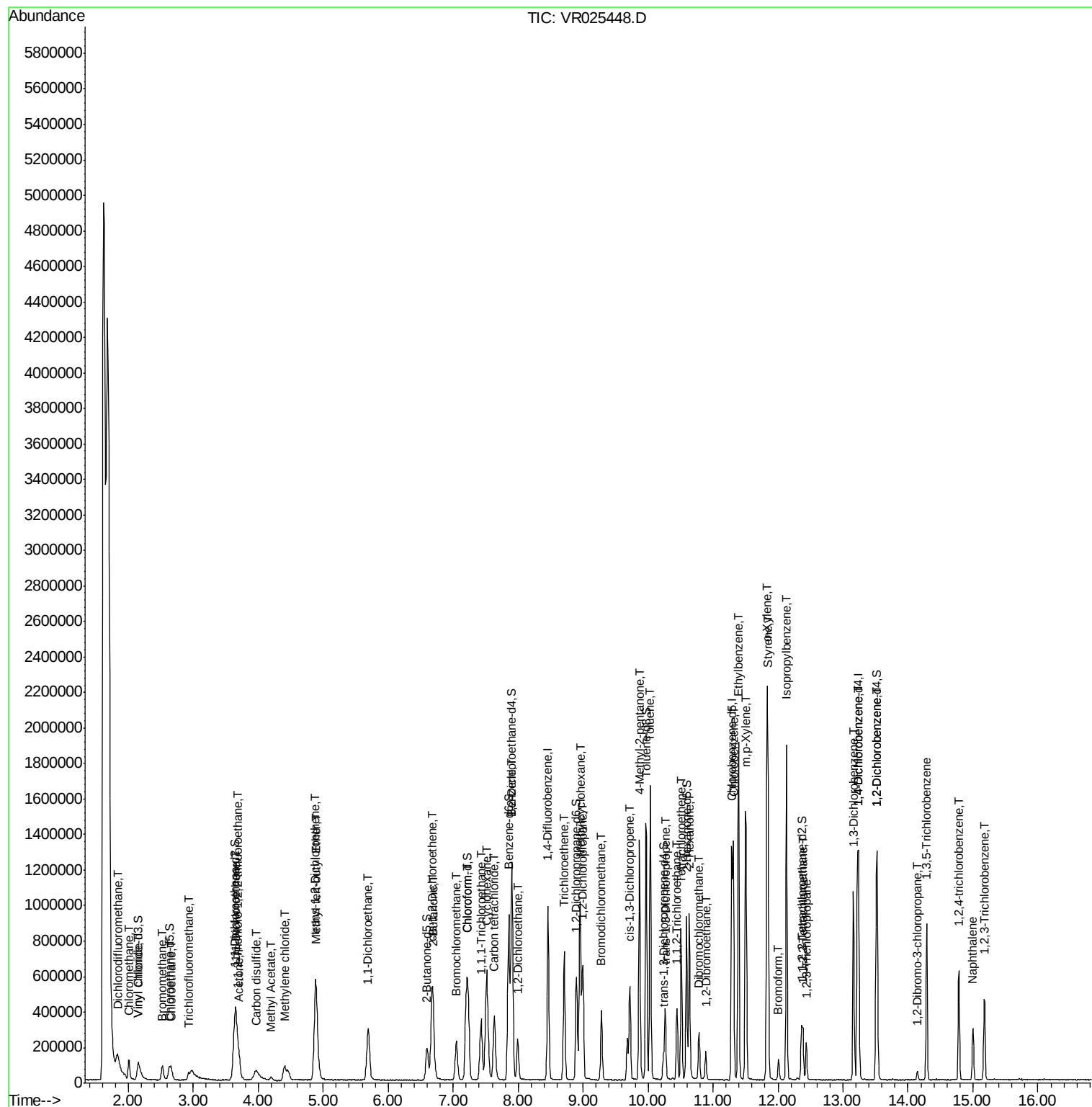
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	77319	4.779	ug/L	95
25) Chloroform	7.23	83	427379	4.737	ug/L	100
27) 1,2-Dichloroethane	7.99	62	194399	4.806	ug/L #	95
29) 1,1,1-Trichloroethane	7.43	97	290831	4.572	ug/L	99
30) Cyclohexane	7.52	56	389424	5.706	ug/L	98
31) Carbon tetrachloride	7.64	117	273696	4.863	ug/L	99
33) Benzene	7.91	78	1083969	5.028	ug/L	100
34) Trichloroethene	8.71	95	257466	4.691	ug/L	97
35) Methylcyclohexane	8.96	83	419232	5.714	ug/L	96
37) 1,2-Dichloropropane	8.99	63	241507	4.820	ug/L	99
38) Bromodichloromethane	9.28	83	245175	4.801	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	282520	5.014	ug/L	92
40) 4-Methyl-2-pentanone	9.86	43	813238	56.002	ug/L	96
42) Toluene	10.03	91	1095975	5.228	ug/L	100
44) trans-1,3-Dichloropropene	10.27	75	202015	4.882	ug/L	92
45) 1,1,2-Trichloroethane	10.44	97	116989	4.765	ug/L	96
47) Tetrachloroethene	10.51	164	176061	4.913	ug/L	97
48) 2-Hexanone	10.64	43	536446	53.702	ug/L	96
49) Dibromochloromethane	10.78	129	123197	4.813	ug/L	97
50) 1,2-Dibromoethane	10.89	107	93462	4.699	ug/L #	94
51) Chlorobenzene	11.31	112	619625	4.854	ug/L	99
52) Ethylbenzene	11.39	91	1192694	5.306	ug/L	97
53) m,p-Xylene	11.50	106	451133	5.348	ug/L	94
54) o-Xylene	11.83	106	410098	5.644	ug/L	99
55) Styrene	11.85	104	660771	5.527	ug/L	91
56) Isopropylbenzene	12.13	105	1094257	5.687	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	117876	4.874	ug/L	96
59) 1,2,3-Trichloropropane	12.44	75	85070	4.887	ug/L	100
61) Bromoform	12.01	173	47452	4.729	ug/L	99
62) 1,3-Dichlorobenzene	13.16	146	360881	5.000	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	389664	4.863	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	322497	5.141	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.15	75	12768	4.602	ug/L #	74
67) 1,3,5-Trichlorobenzene	14.29	180	227987	4.836	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	154652	4.772	ug/L	98
69) Naphthalene	15.00	128	206618	4.979	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	125881	5.037	ug/L	96

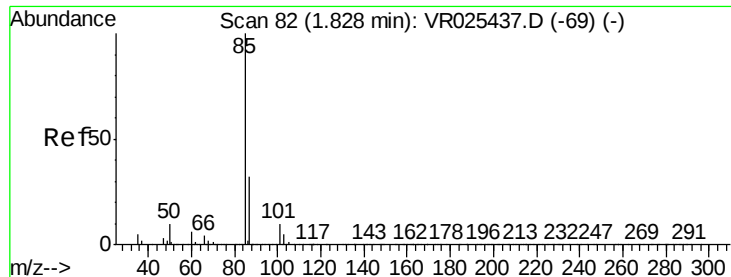
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.087 ug/L

RT: 1.83 min Scan# 83

Delta R.T. 0.01 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

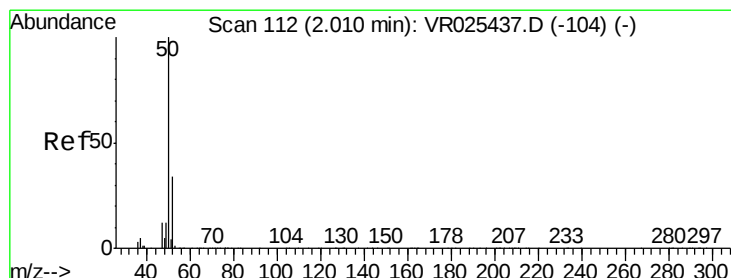
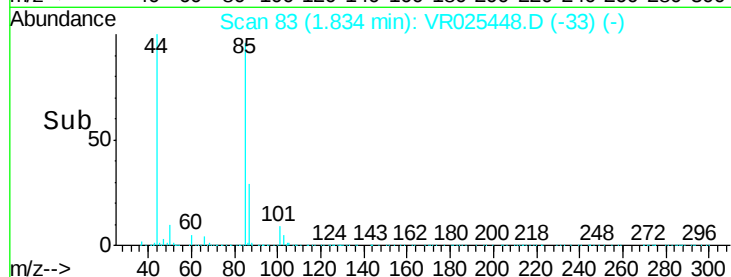
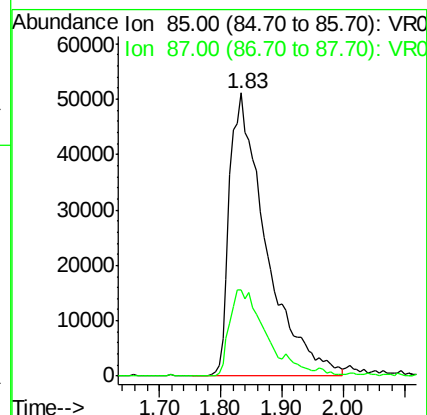
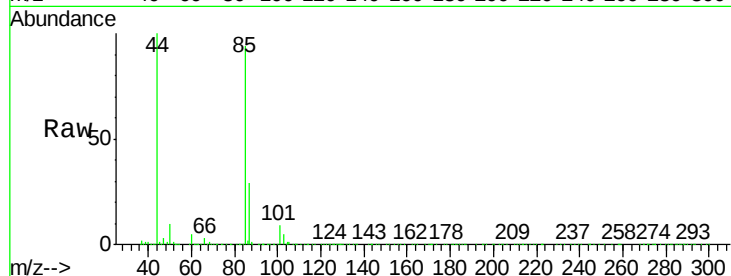
VSTD00587

Tgt Ion: 85 Resp: 211585

Ion Ratio Lower Upper

85 100

87 27.4 25.4 38.0



#3

Chloromethane

Concen: 4.715 ug/L

RT: 2.00 min Scan# 111

Delta R.T. -0.01 min

Lab File: VR025448.D

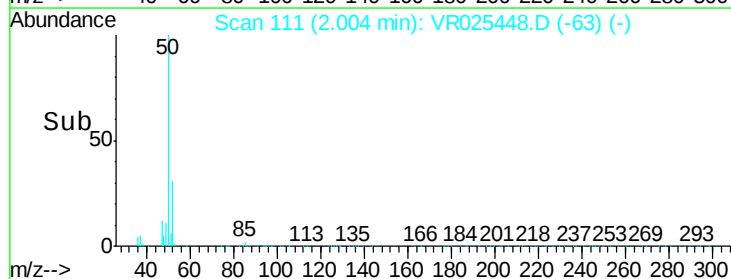
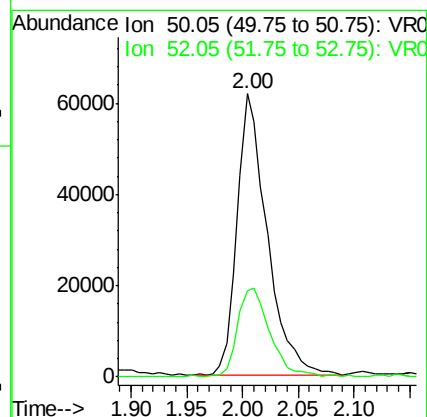
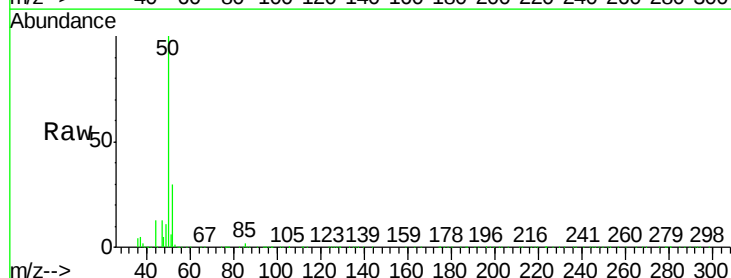
Acq: 5 Jul 2018 20:14

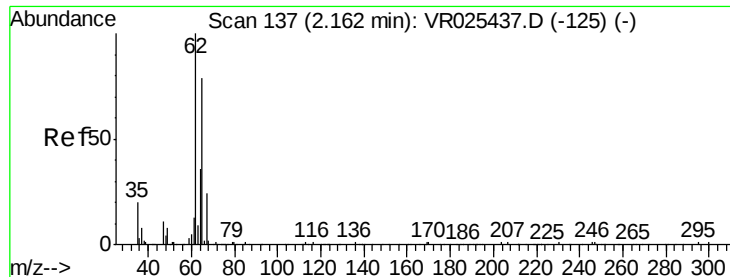
Tgt Ion: 50 Resp: 116253

Ion Ratio Lower Upper

50 100

52 30.5 22.8 42.4





#5

Vinyl chloride

Concen: 5.147 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.01 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

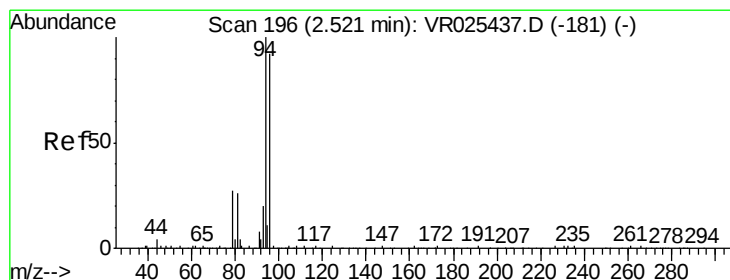
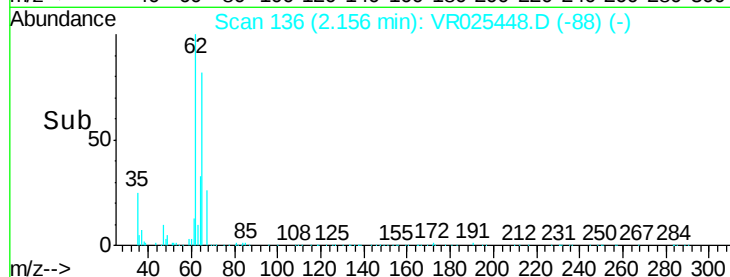
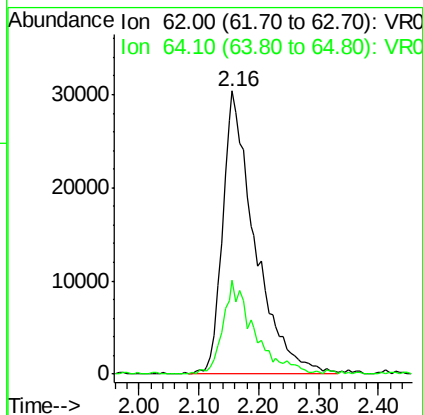
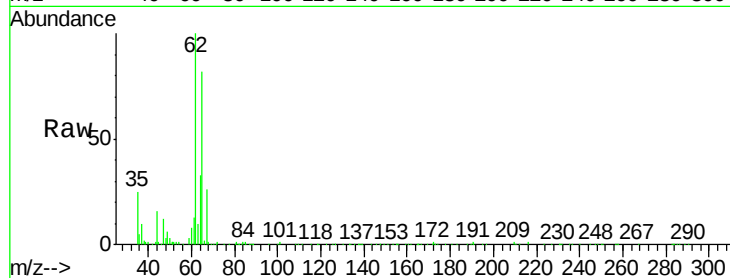
VSTD00587

Tgt Ion: 62 Resp: 114019

Ion Ratio Lower Upper

62 100

64 33.3 22.8 42.4



#6

Bromomethane

Concen: 4.819 ug/L

RT: 2.53 min Scan# 197

Delta R.T. -0.01 min

Lab File: VR025448.D

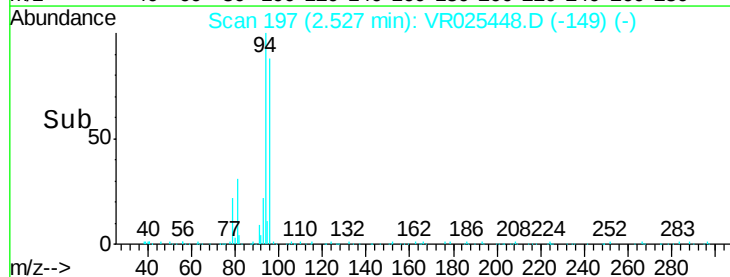
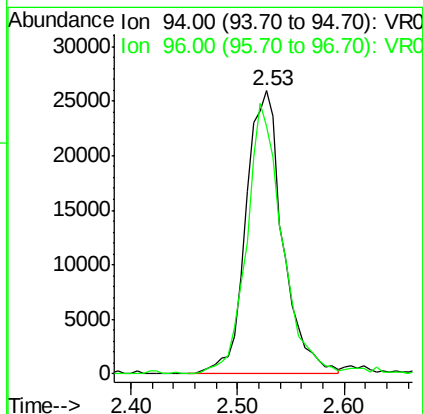
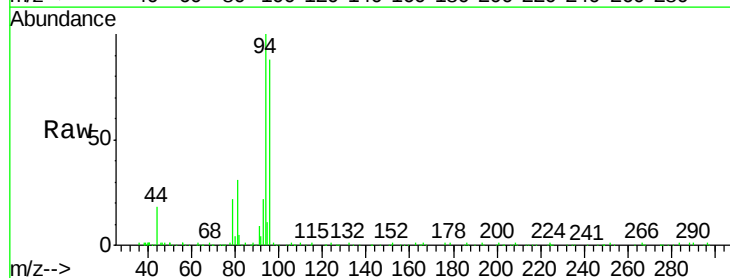
Acq: 5 Jul 2018 20:14

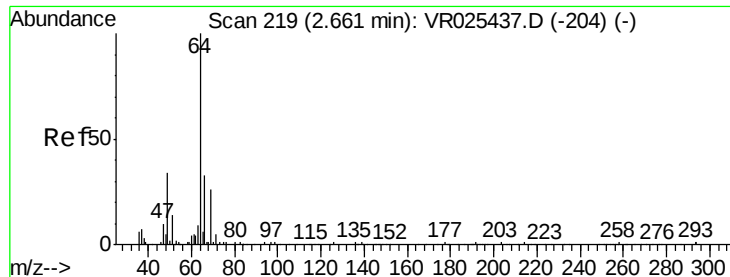
Tgt Ion: 94 Resp: 62812

Ion Ratio Lower Upper

94 100

96 87.7 65.9 122.3





#8

Chloroethane

Concen: 4.636 ug/L

RT: 2.66 min Scan# 219

Delta R.T. -0.01 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

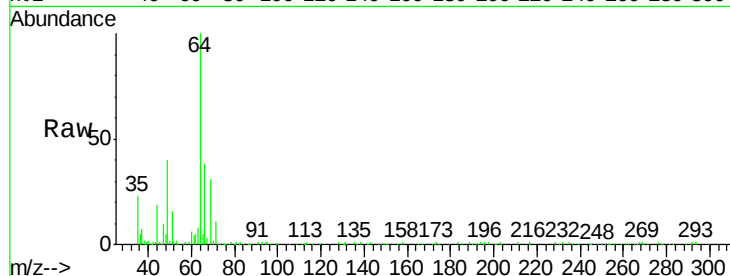
VSTD00587

Tgt Ion: 64 Resp: 63944

Ion Ratio Lower Upper

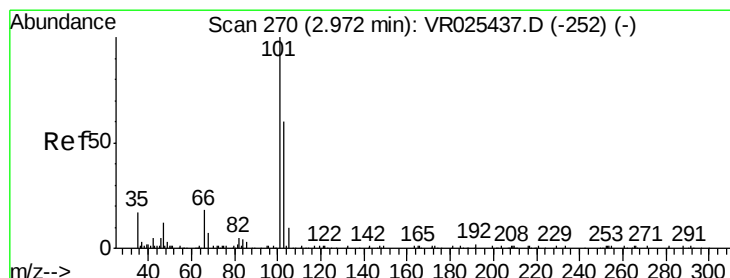
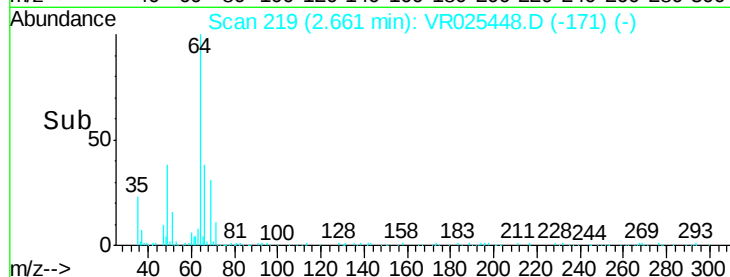
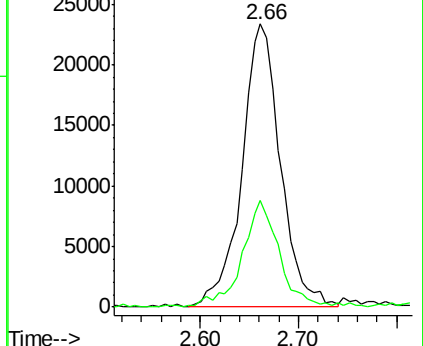
64 100

66 37.7 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.895 ug/L

RT: 2.93 min Scan# 263

Delta R.T. -0.05 min

Lab File: VR025448.D

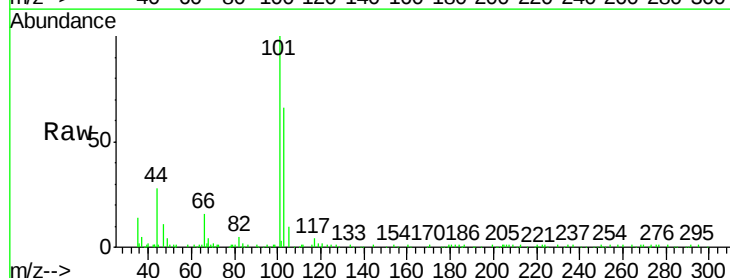
Acq: 5 Jul 2018 20:14

Tgt Ion: 101 Resp: 32404

Ion Ratio Lower Upper

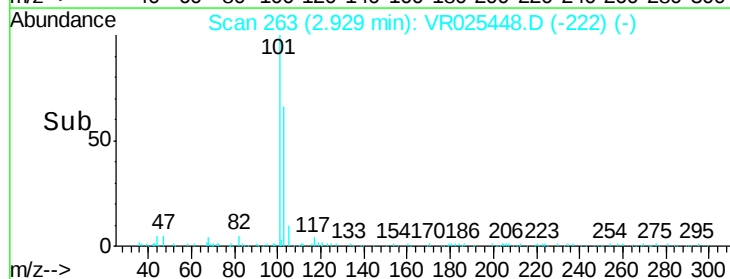
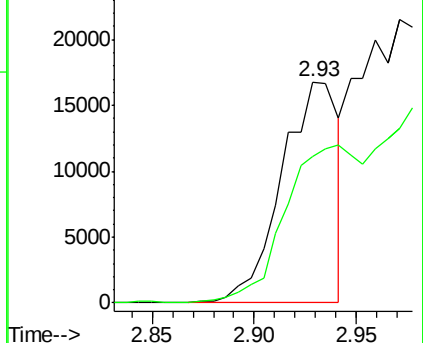
101 100

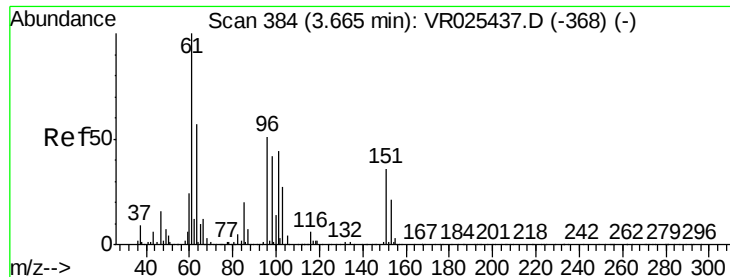
103 95.3 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.971 ug/L

RT: 3.68 min Scan# 387

Delta R.T. -0.00 min

Lab File: VR025448.D

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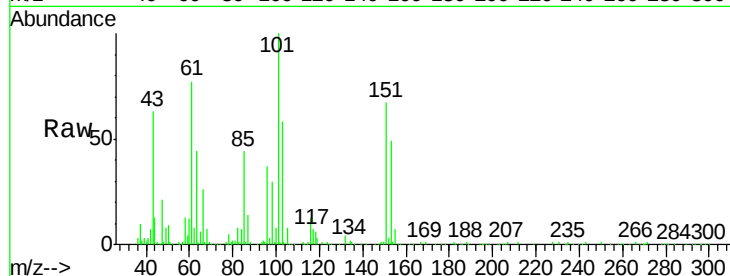
Tgt Ion: 101 Resp: 109533

Ion Ratio Lower Upper

101 100

85 50.6 39.1 58.7

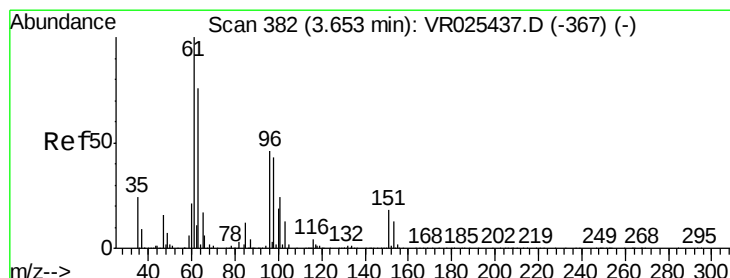
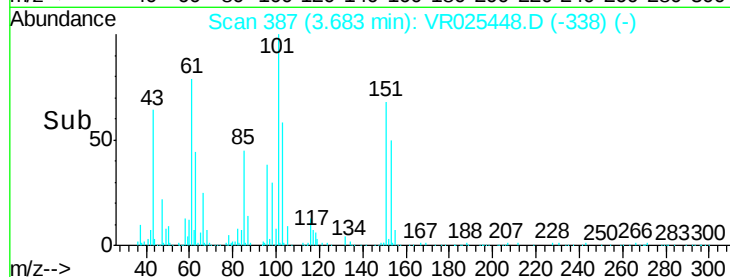
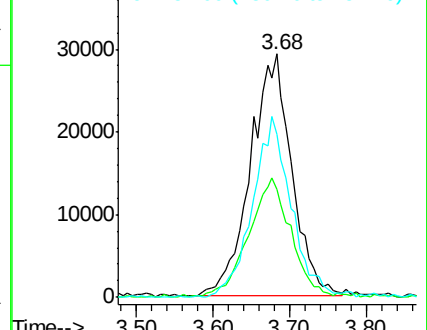
151 69.9 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.016 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

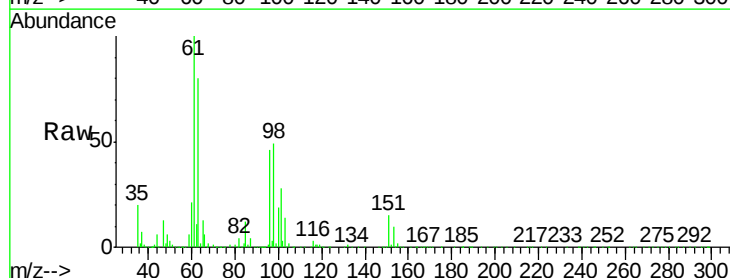
Tgt Ion: 96 Resp: 110399

Ion Ratio Lower Upper

96 100

61 219.4 155.0 287.9

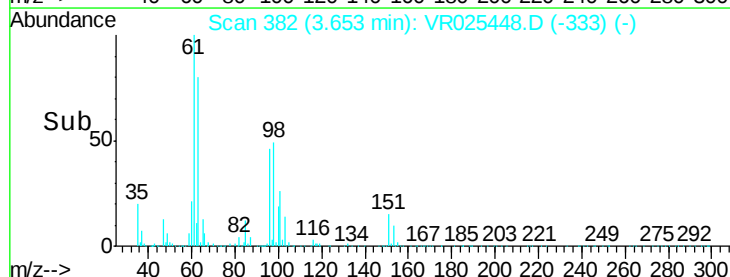
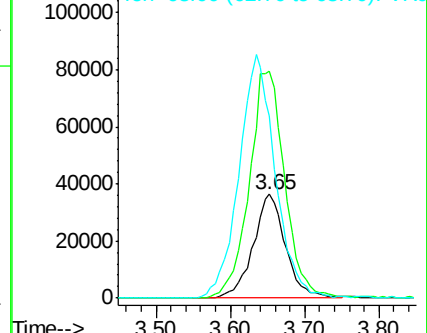
63 176.4 122.3 227.1

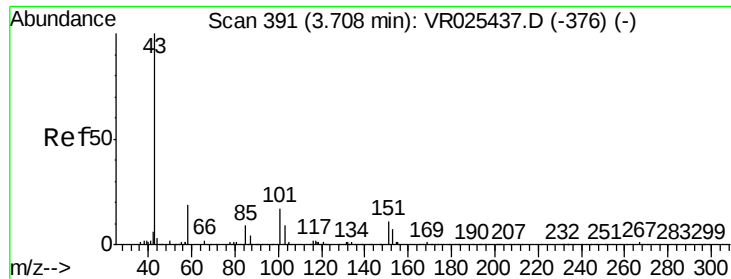


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 46.269 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.00 min

Lab File: VR025448.D

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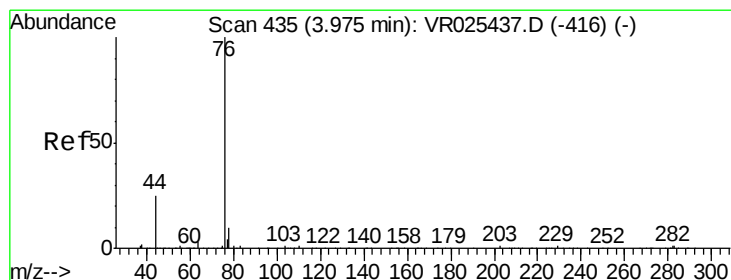
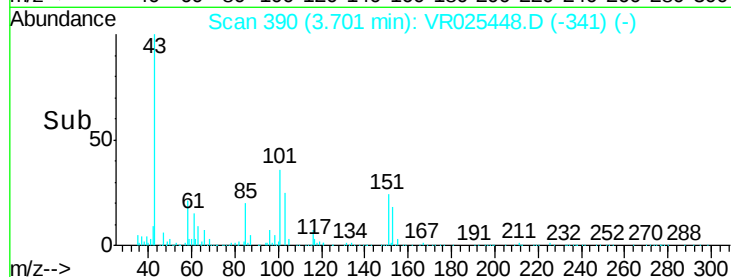
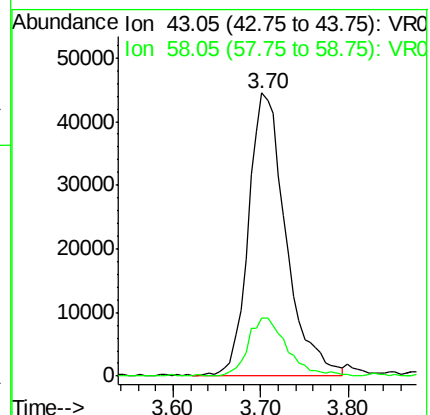
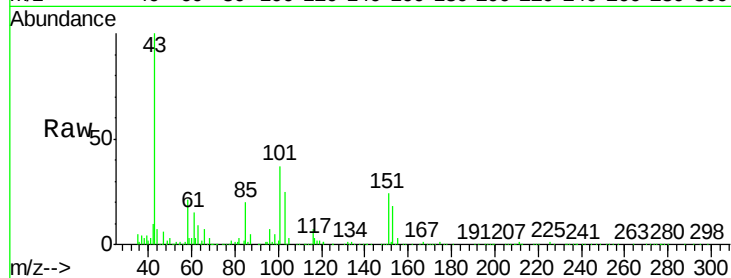
VSTD00587

Tgt Ion: 43 Resp: 131412

Ion Ratio Lower Upper

43 100

58 21.5 0.0 41.6



#14

Carbon disulfide

Concen: 4.408 ug/L

RT: 3.97 min Scan# 434

Delta R.T. -0.00 min

Lab File: VR025448.D

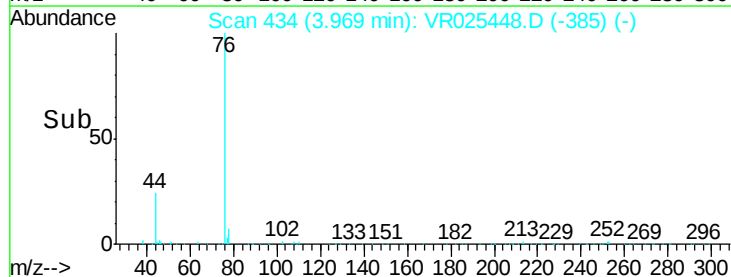
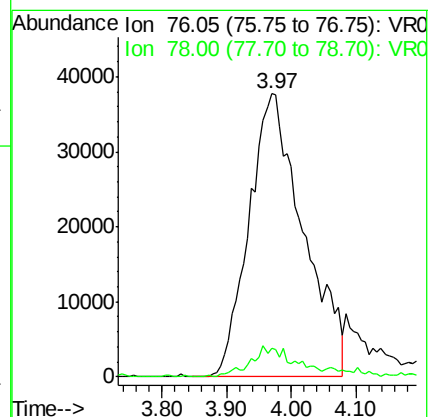
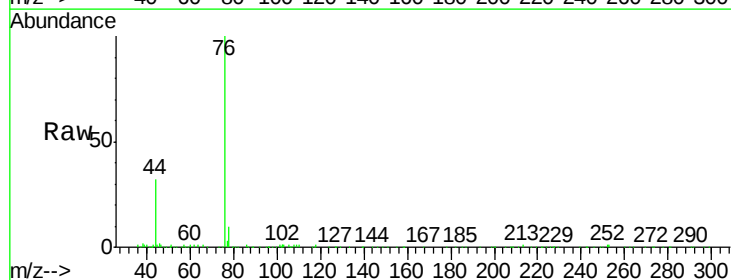
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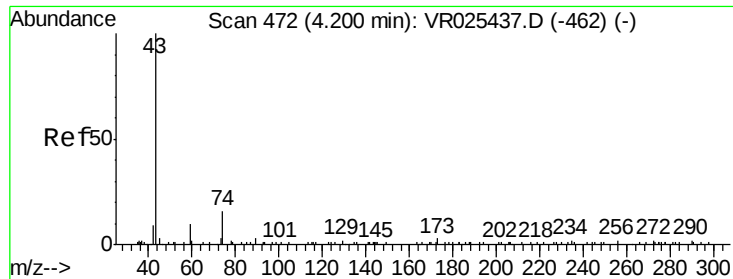
Tgt Ion: 76 Resp: 220786

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.2

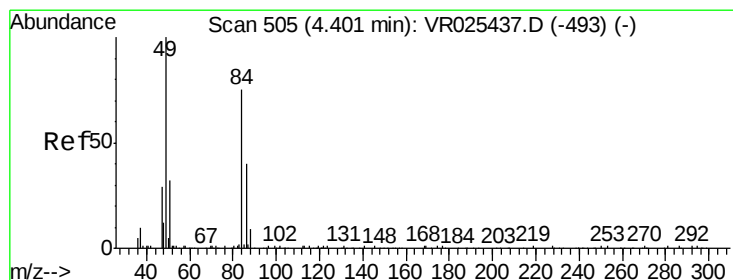
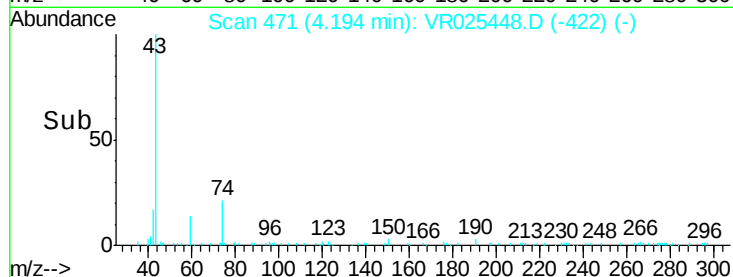
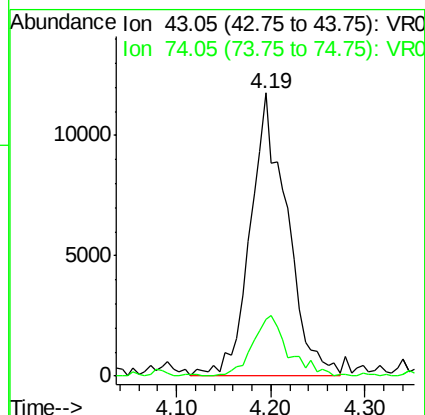
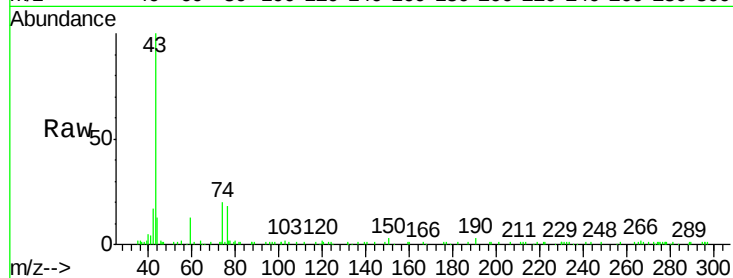




#15
Methyl Acetate
Concen: 5.030 ug/L
RT: 4.19 min Scan# 471
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

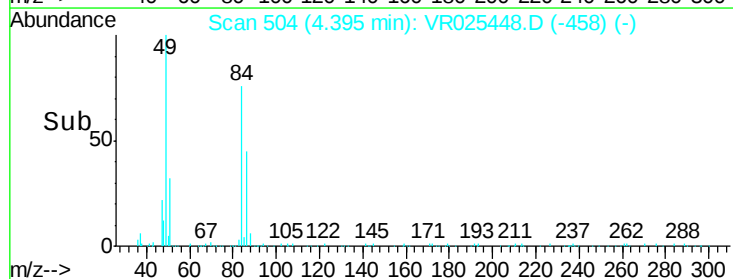
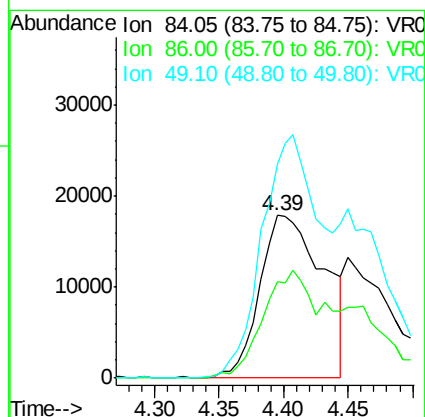
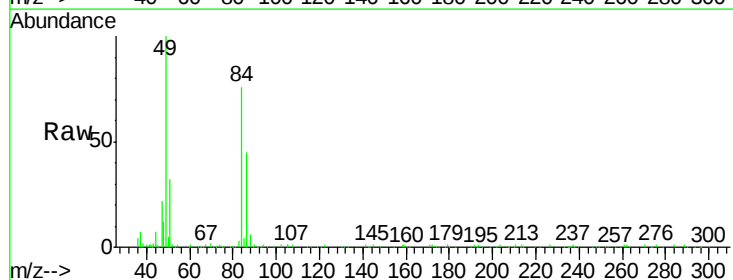
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

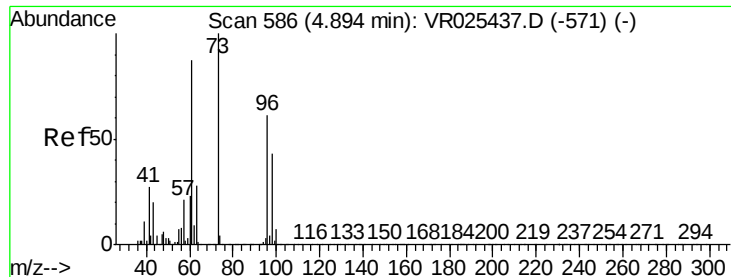
Tgt Ion: 43 Resp: 31964
Ion Ratio Lower Upper
43 100
74 21.0 16.7 25.1



#16
Methylene chloride
Concen: 2.854 ug/L
RT: 4.39 min Scan# 504
Delta R.T. -0.02 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion: 84 Resp: 61531
Ion Ratio Lower Upper
84 100
86 59.1 43.7 81.1
49 131.8 87.2 162.0





#17

Methyl tert-butyl Ether

Concen: 4.810 ug/L

RT: 4.90 min Scan# 587

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

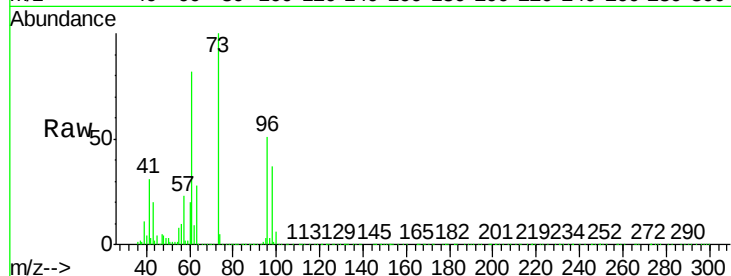
Tgt Ion: 73 Resp: 345043

Ion Ratio Lower Upper

73 100

43 18.8 15.8 23.6

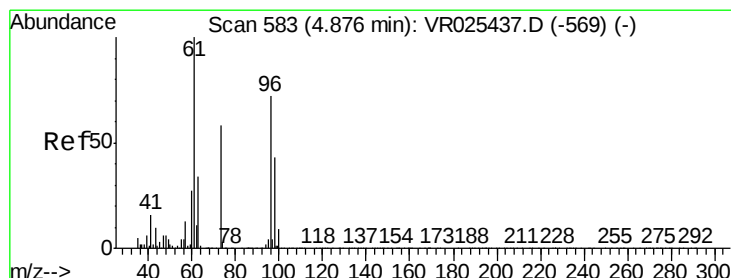
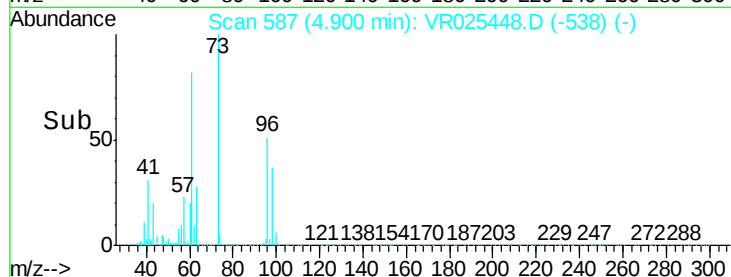
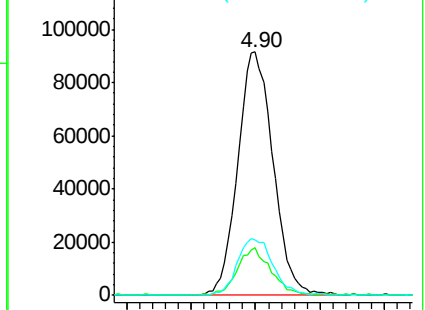
57 23.5 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#18

trans-1,2-Dichloroethene

Concen: 4.796 ug/L

RT: 4.88 min Scan# 584

Delta R.T. -0.01 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

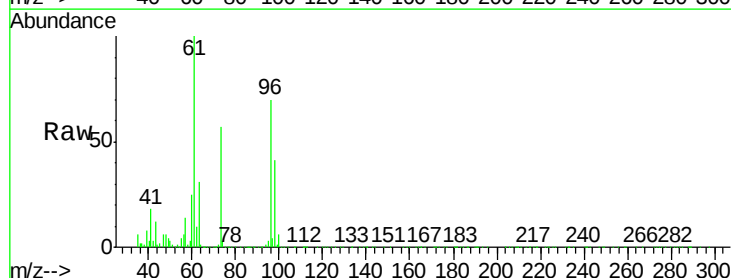
Tgt Ion: 96 Resp: 262575

Ion Ratio Lower Upper

96 100

61 143.8 104.4 193.8

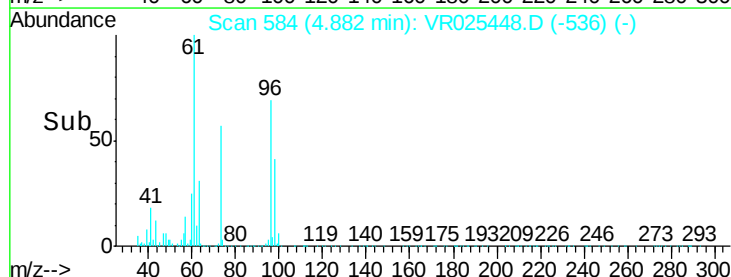
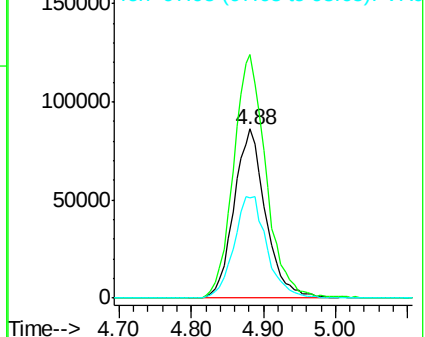
98 59.2 43.1 80.1

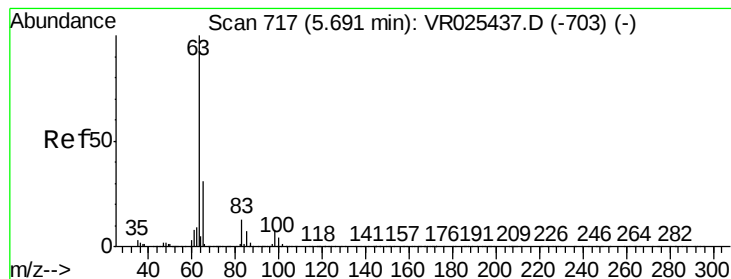


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0





#19

1,1-Dichloroethane

Concen: 4.700 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.01 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

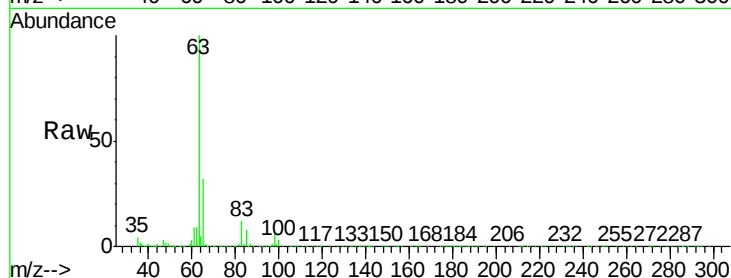
Tgt Ion: 63 Resp: 441433

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.7

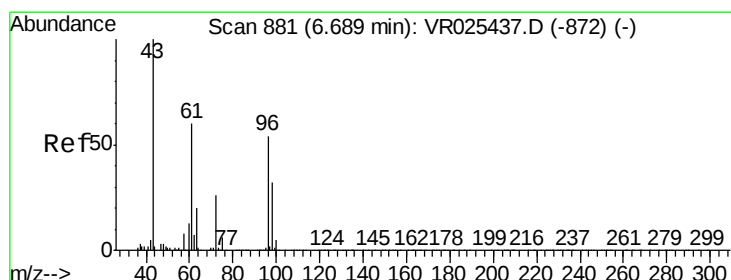
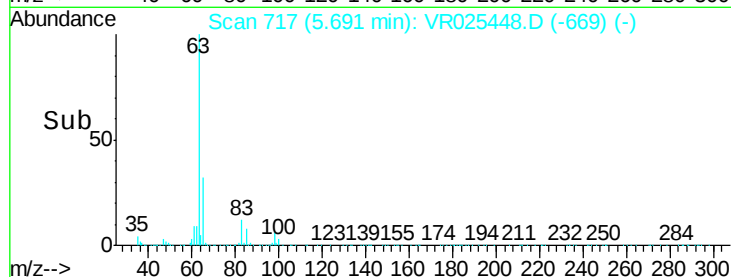
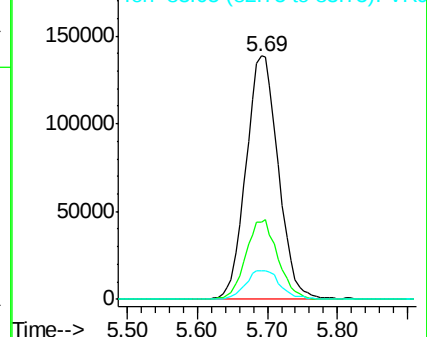
83 11.8 9.5 17.7



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#21

2-Butanone

Concen: 54.052 ug/L

RT: 6.69 min Scan# 882

Delta R.T. -0.00 min

Lab File: VR025448.D

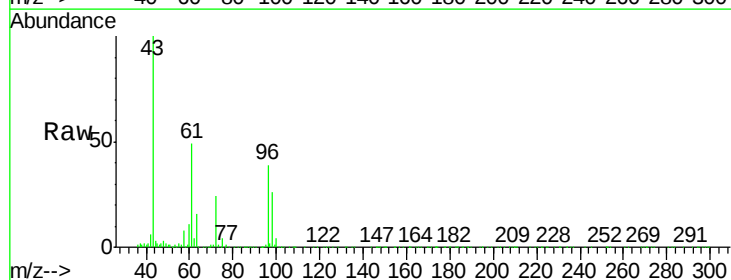
Acq: 5 Jul 2018 20:14

Tgt Ion: 43 Resp: 357602

Ion Ratio Lower Upper

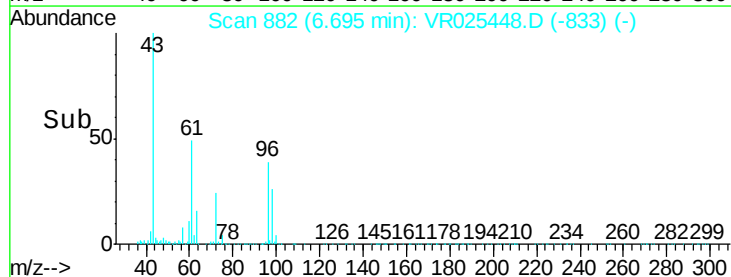
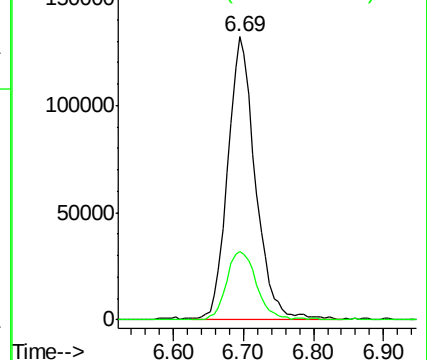
43 100

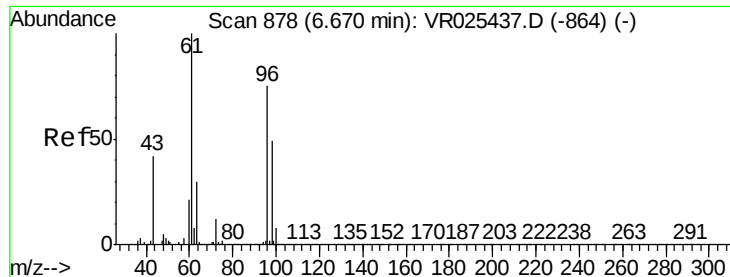
72 26.5 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



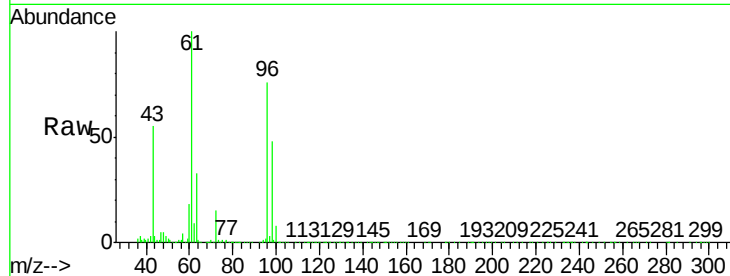


#22

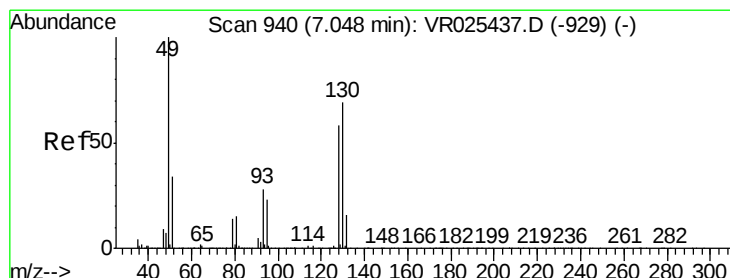
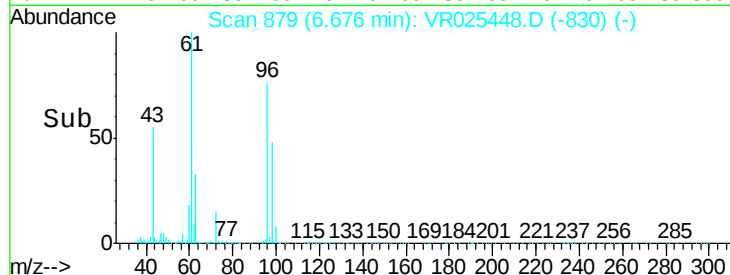
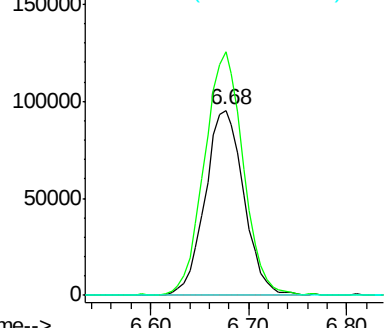
cis-1,2-Dichloroethene
Concen: 5.196 ug/L
RT: 6.68 min Scan# 879
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

Tgt Ion: 96 Resp: 261081
Ion Ratio Lower Upper
96 100
61 131.5 91.0 169.0
68 0.1 0.0 0.0#



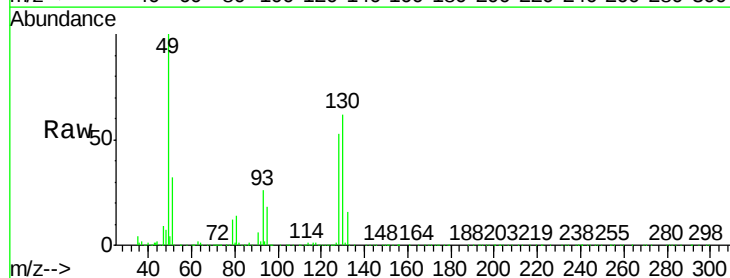
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



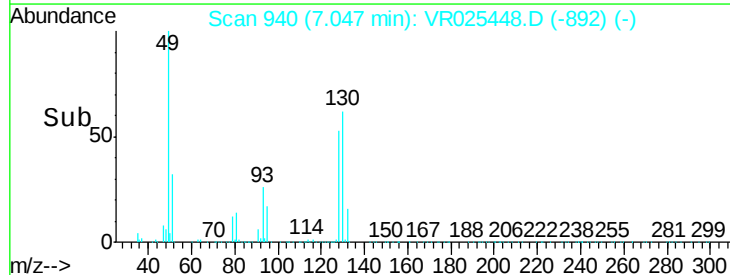
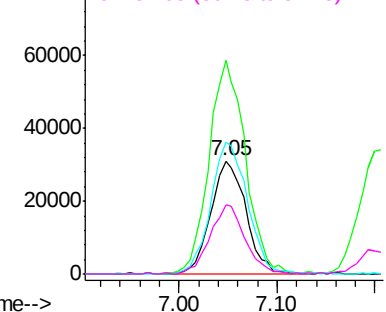
#23

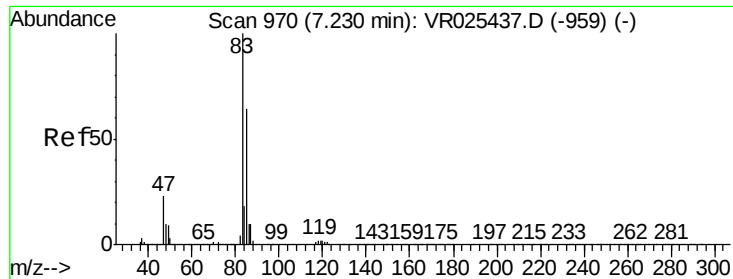
Bromochloromethane
Concen: 4.779 ug/L
RT: 7.05 min Scan# 940
Delta R.T. -0.01 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion:128 Resp: 77319
Ion Ratio Lower Upper
128 100
49 189.1 128.7 238.9
130 116.4 87.2 161.9
51 61.4 48.2 72.2



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

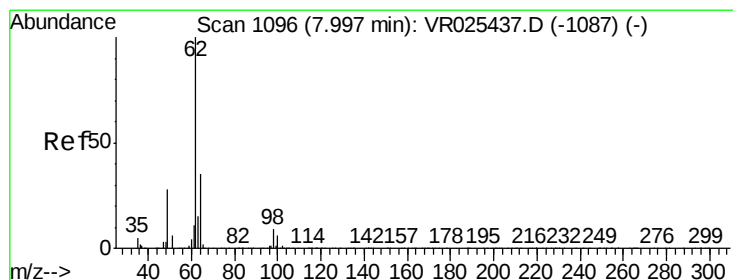
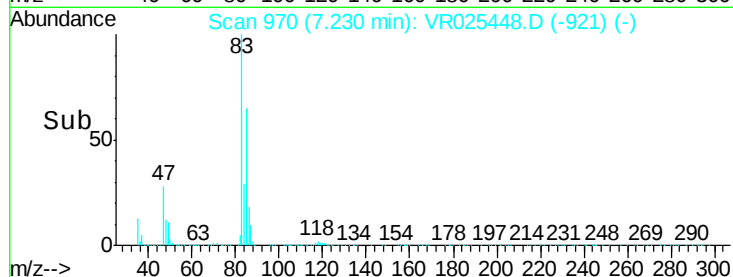
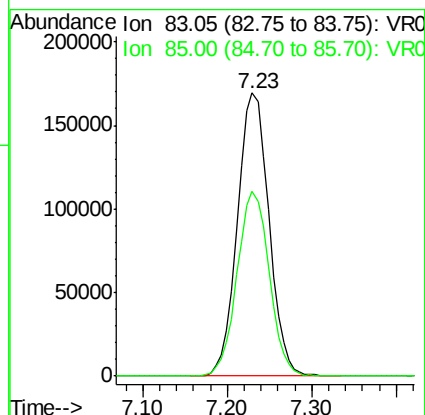
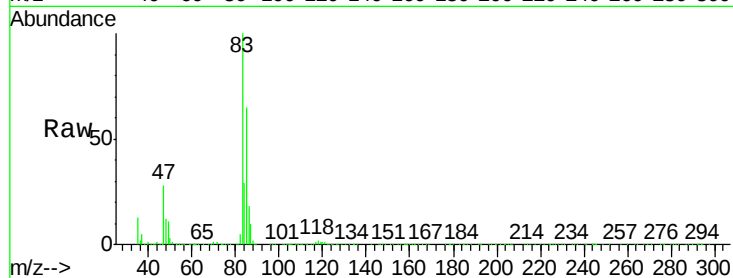




#25
Chloroform
Concen: 4.737 ug/L
RT: 7.23 min Scan# 970
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

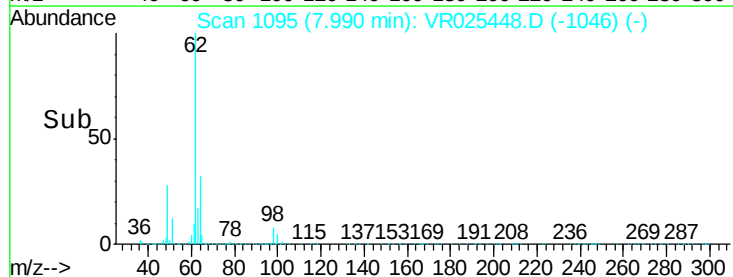
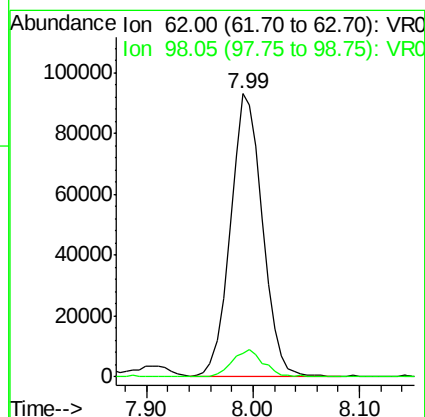
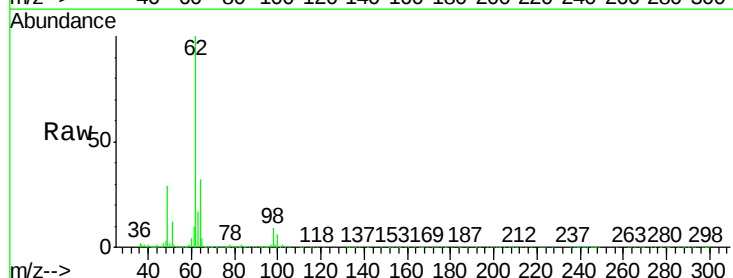
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

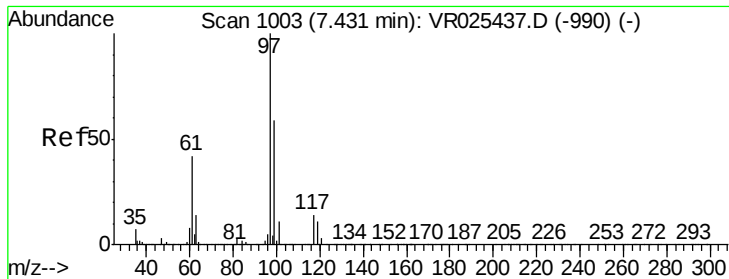
Tgt Ion: 83 Resp: 427379
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.806 ug/L
RT: 7.99 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion: 62 Resp: 194399
Ion Ratio Lower Upper
62 100
98 8.5 5.4 8.2#

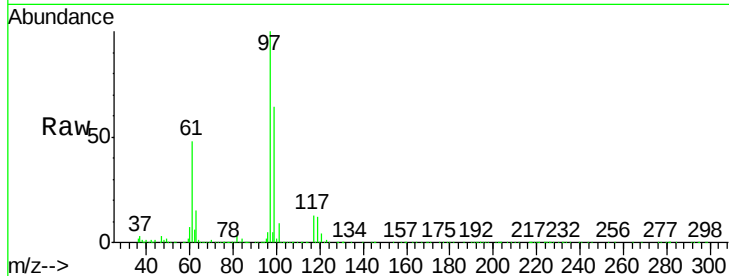




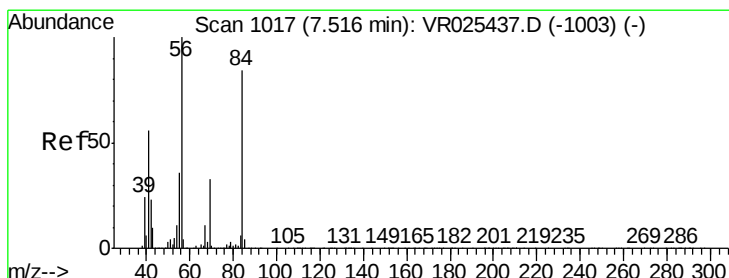
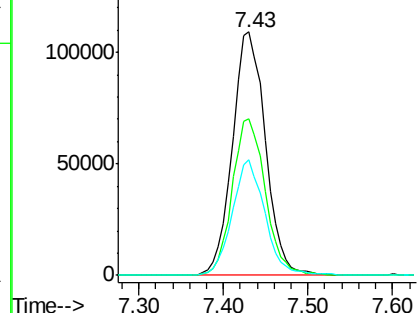
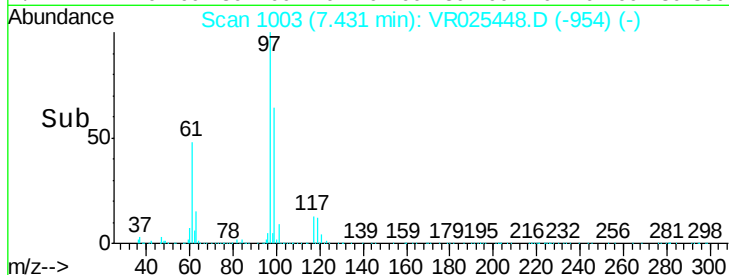
#29
1,1,1-Trichloroethane
Concen: 4.572 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

Tgt Ion: 97 Resp: 290831
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 46.7 37.0 55.6

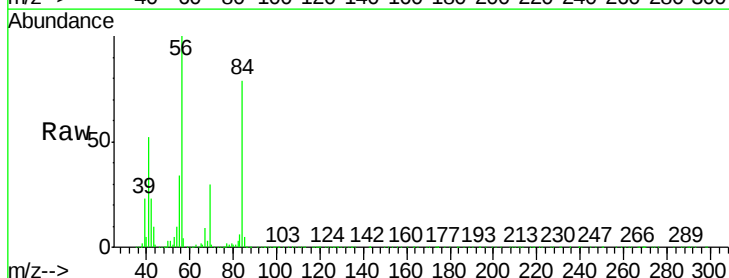


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

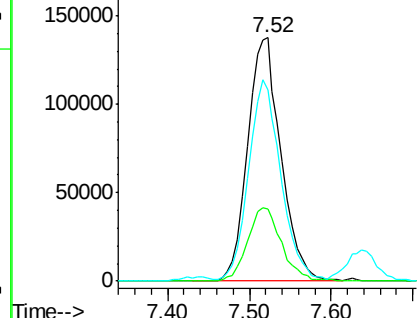
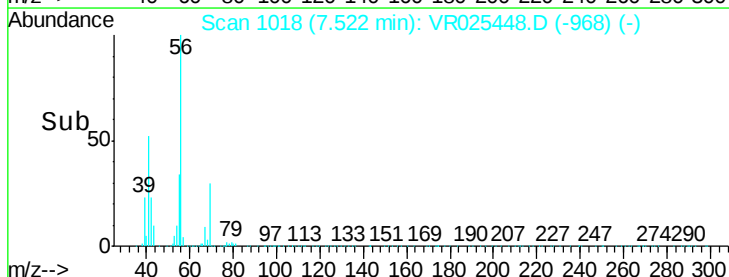


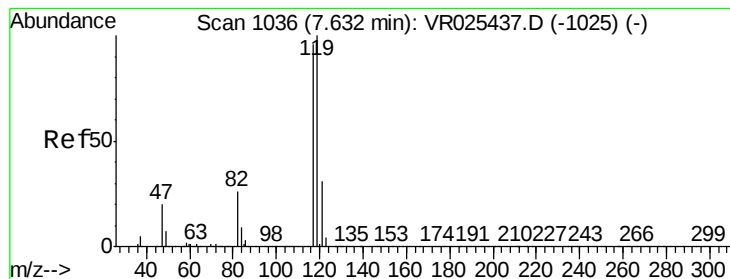
#30
Cyclohexane
Concen: 5.706 ug/L
RT: 7.52 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion: 56 Resp: 389424
Ion Ratio Lower Upper
56 100
69 30.7 23.7 35.5
84 80.3 62.6 93.8



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: 4.863 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

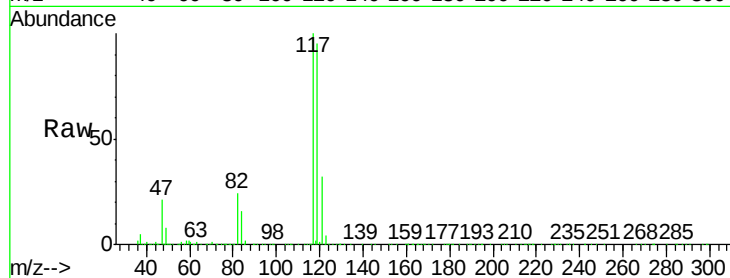
VSTD00587

Tgt Ion:117 Resp: 273696

Ion Ratio Lower Upper

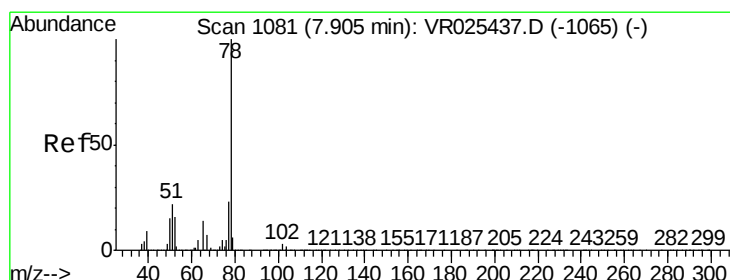
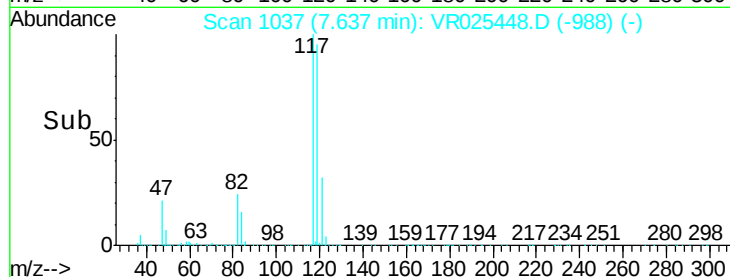
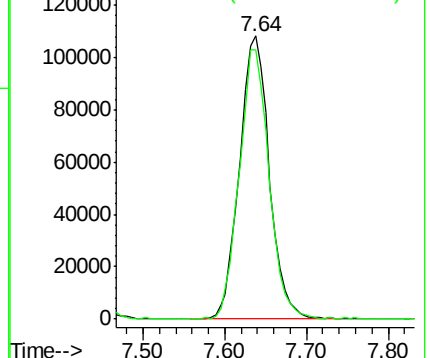
117 100

119 95.3 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.028 ug/L

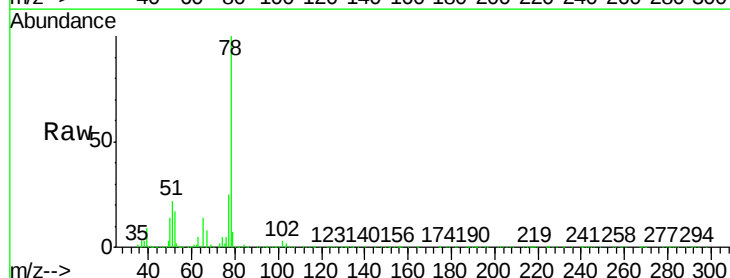
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

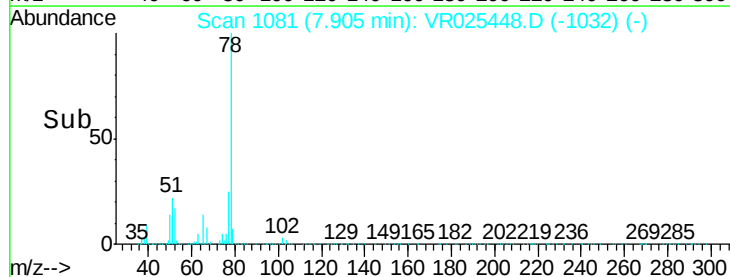
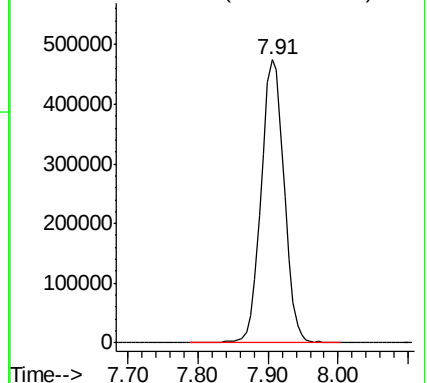
Lab File: VR025448.D

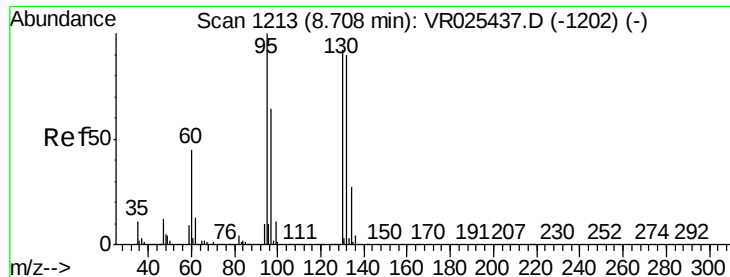
Acq: 5 Jul 2018 20:14

Tgt Ion: 78 Resp: 1083969



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.691 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

Tgt Ion: 95 Resp: 257466

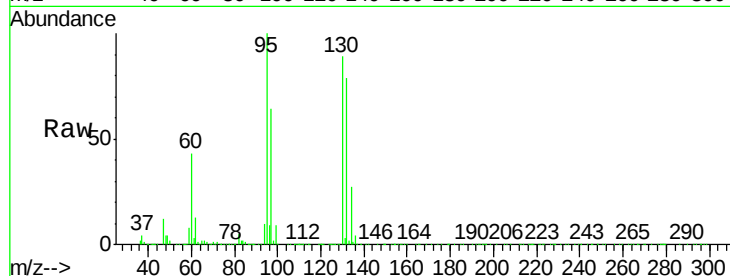
Ion Ratio Lower Upper

95 100

97 64.2 45.6 84.6

132 79.1 60.9 113.1

130 88.9 62.0 115.2

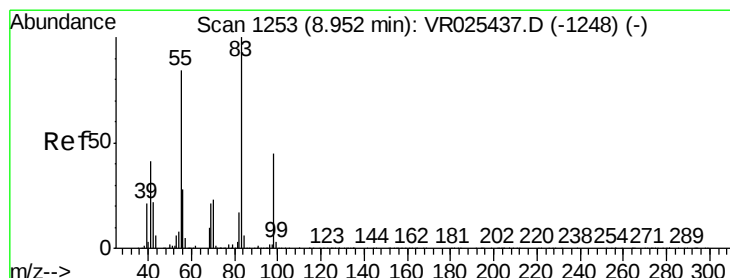
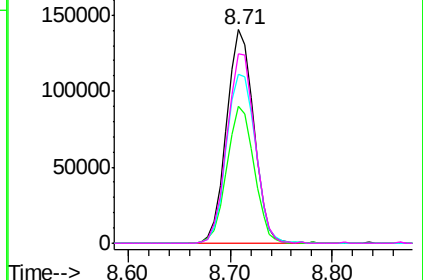
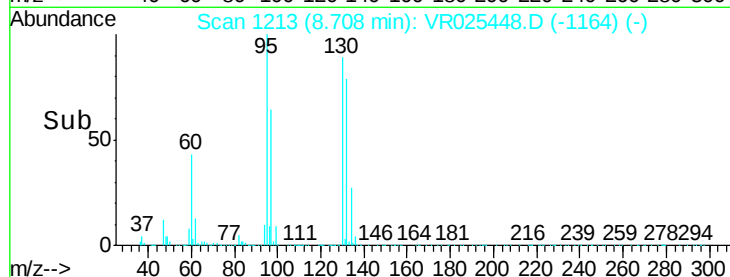


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.714 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

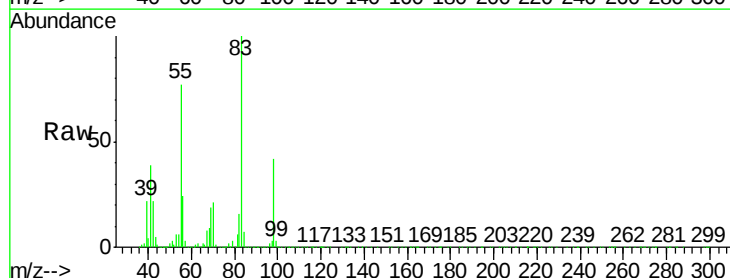
Tgt Ion: 83 Resp: 419232

Ion Ratio Lower Upper

83 100

55 78.9 66.1 99.1

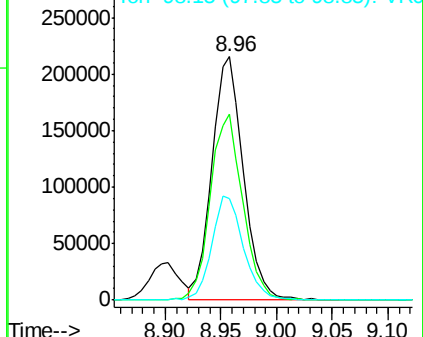
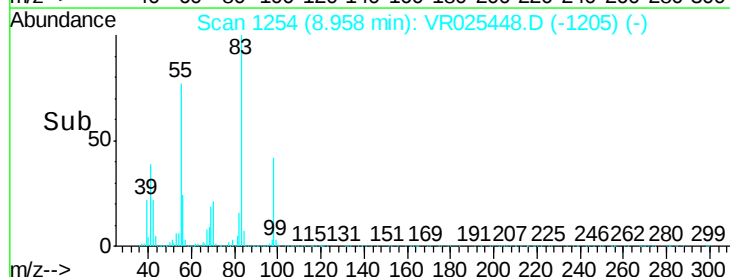
98 43.4 36.2 54.4

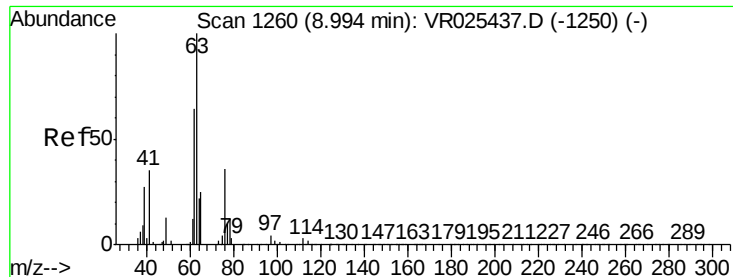


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

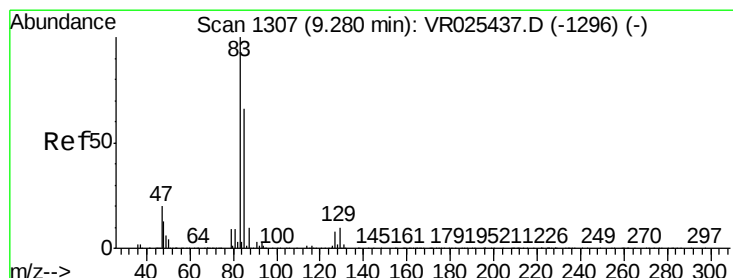
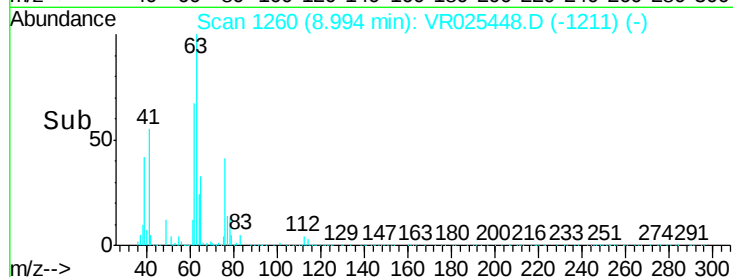
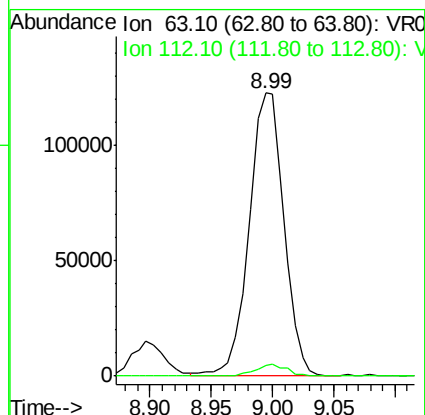
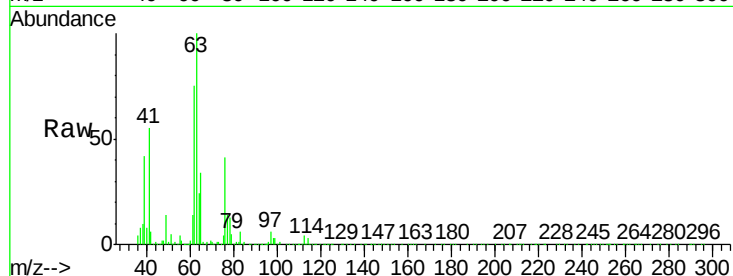




#37
 1,2-Dichloropropane
 Concen: 4.820 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

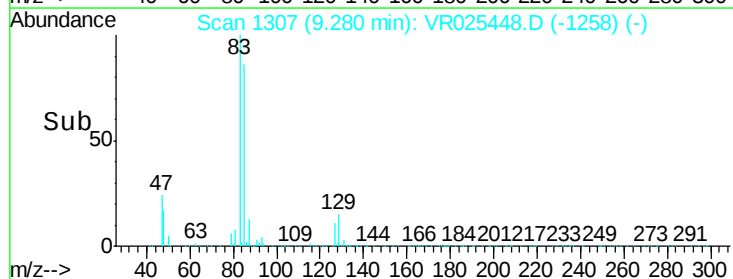
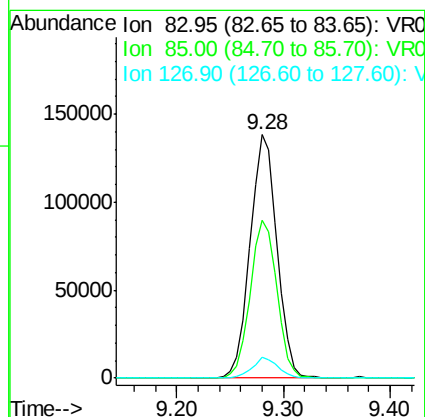
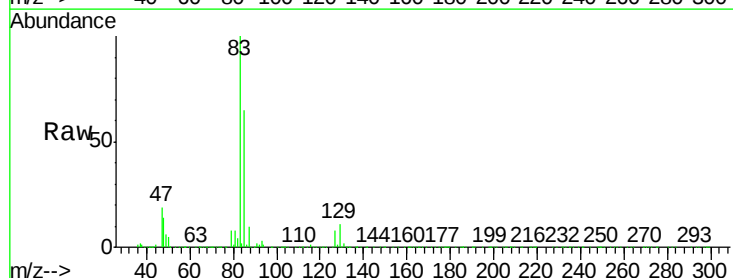
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

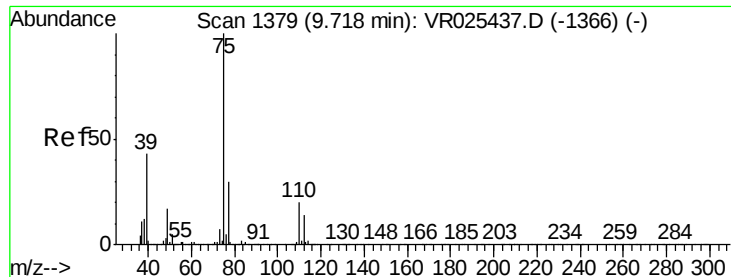
Tgt Ion: 63 Resp: 241507
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.801 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion: 83 Resp: 245175
 Ion Ratio Lower Upper
 83 100
 85 65.0 46.1 85.7
 127 8.4 5.7 8.5

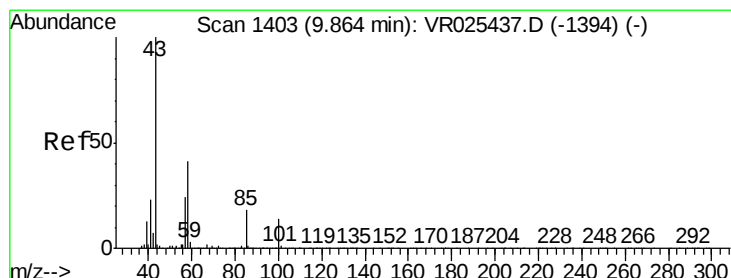
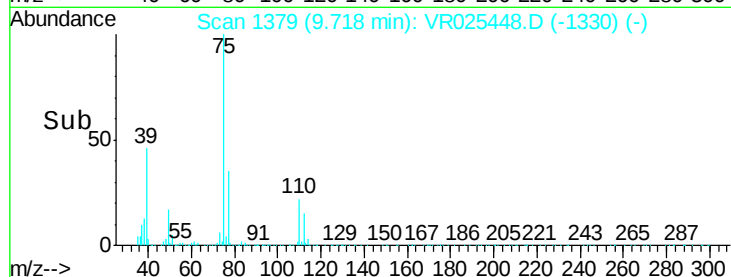
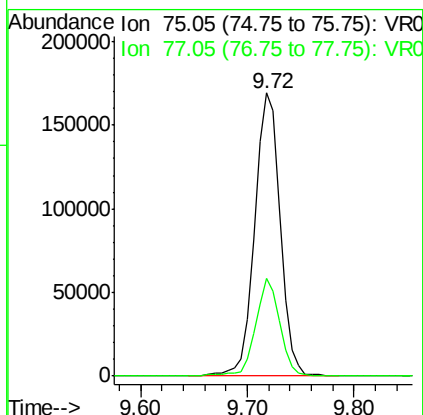
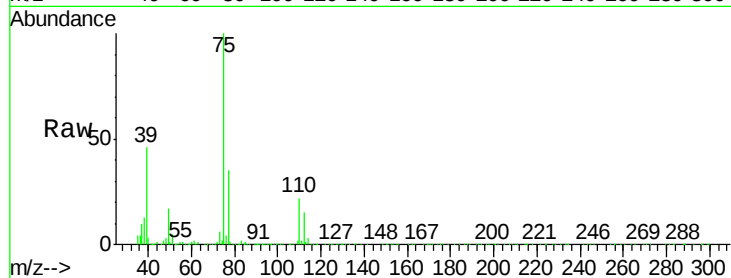




#39
 cis-1,3-Dichloropropene
 Concen: 5.014 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

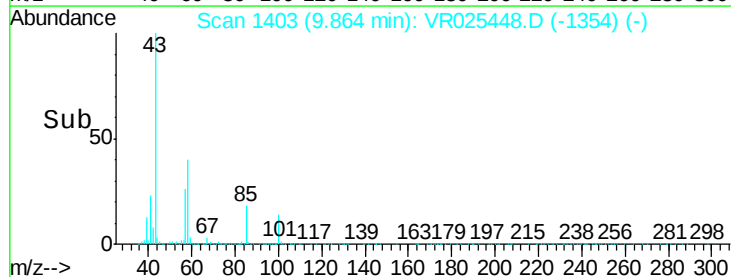
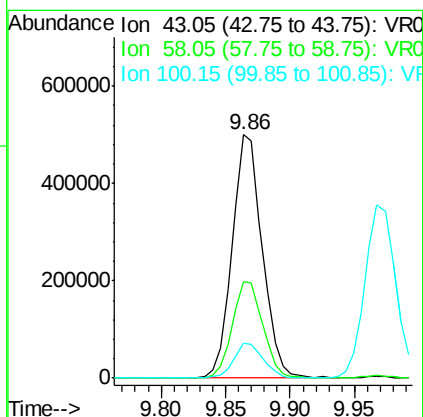
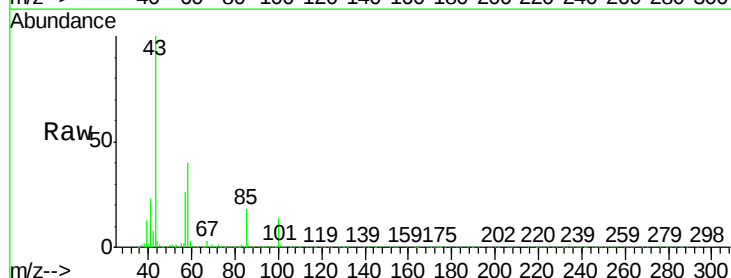
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

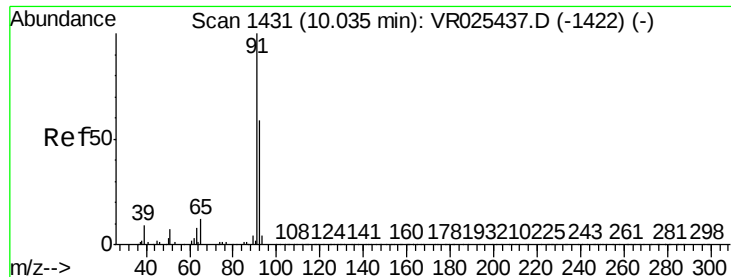
Tgt Ion: 75 Resp: 282520
 Ion Ratio Lower Upper
 75 100
 77 34.6 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 56.002 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion: 43 Resp: 813238
 Ion Ratio Lower Upper
 43 100
 58 40.3 30.3 45.5
 100 13.9 10.3 15.5





#42

Toluene

Concen: 5.228 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

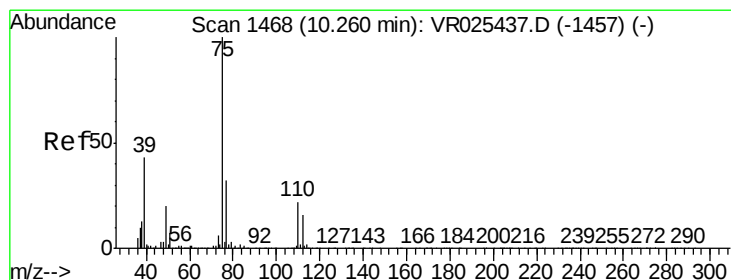
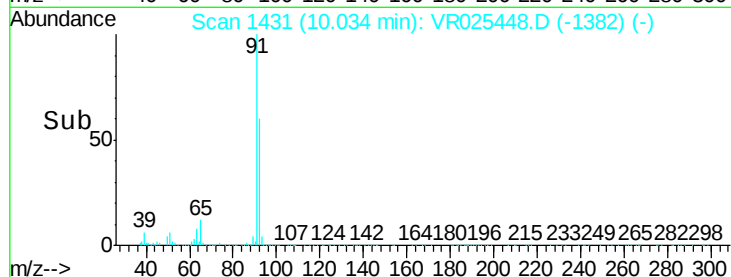
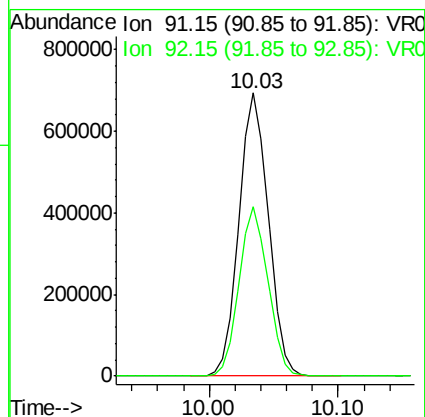
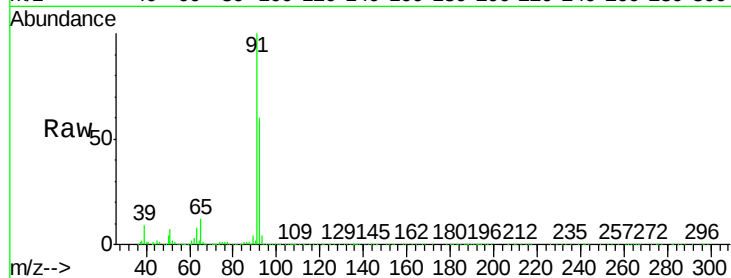
VSTD00587

Tgt Ion: 91 Resp: 1095975

Ion Ratio Lower Upper

91 100

92 59.7 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.882 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025448.D

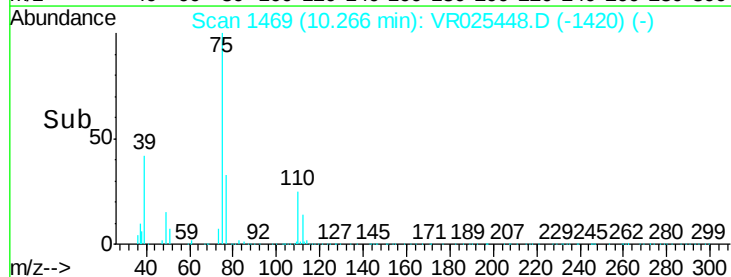
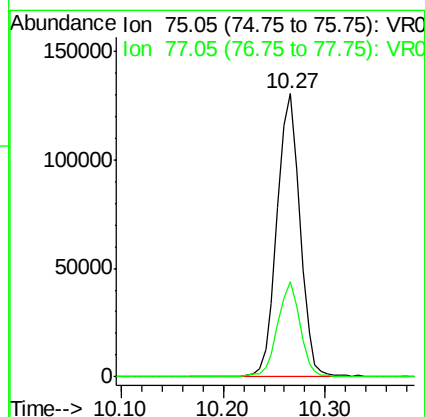
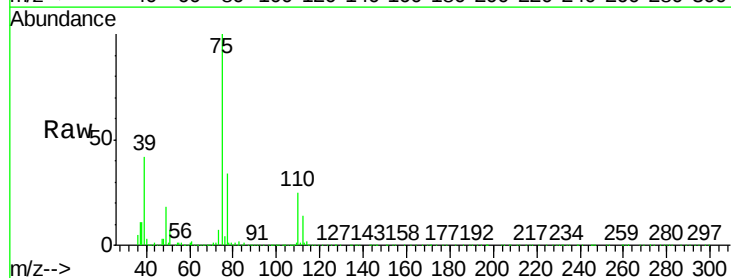
Acq: 5 Jul 2018 20:14

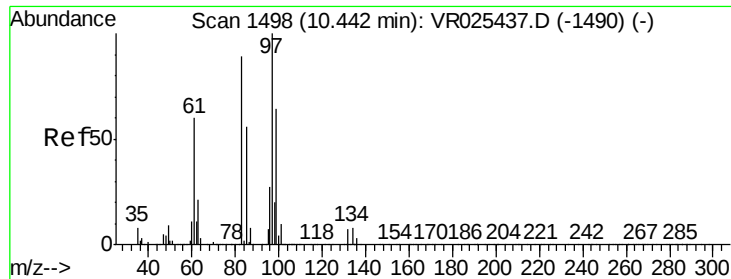
Tgt Ion: 75 Resp: 202015

Ion Ratio Lower Upper

75 100

77 33.5 20.6 38.4

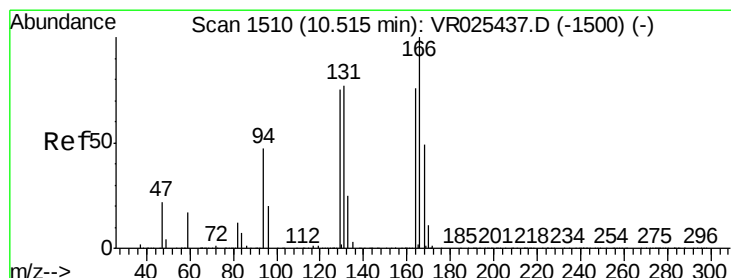
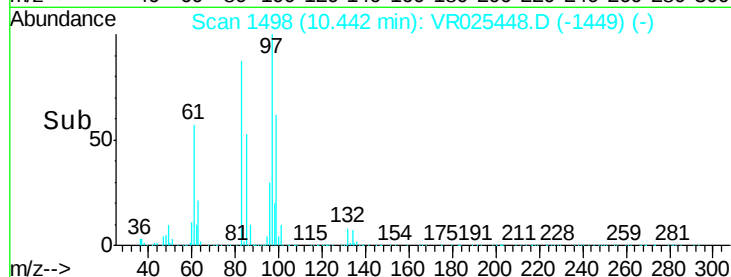
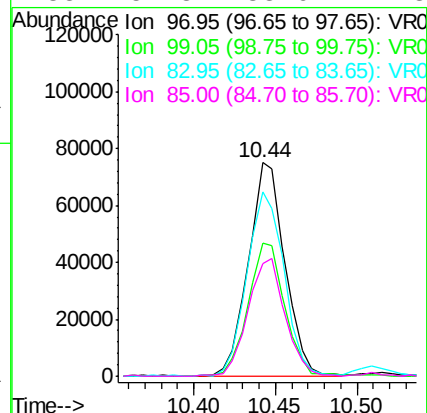
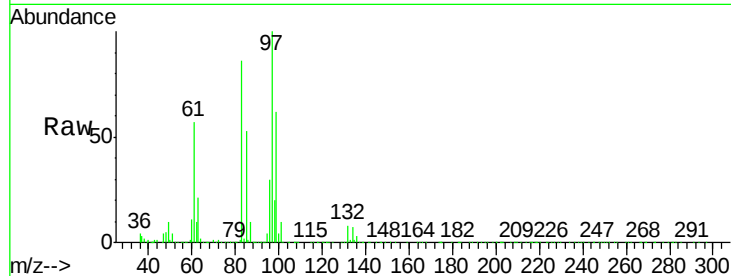




#45
 1,1,2-Trichloroethane
 Concen: 4.765 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

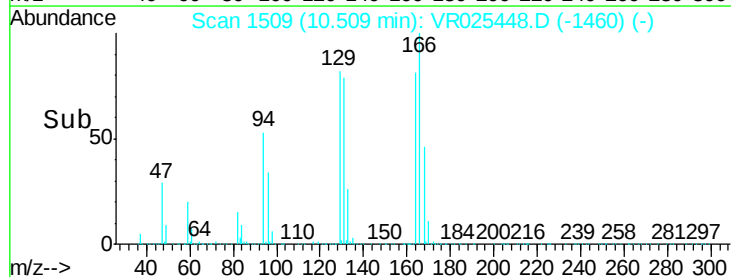
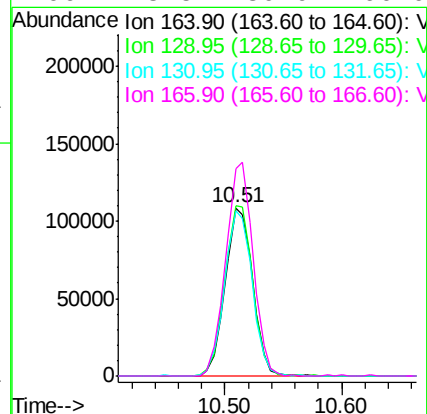
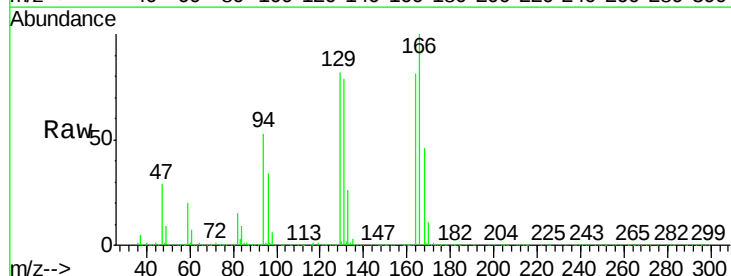
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

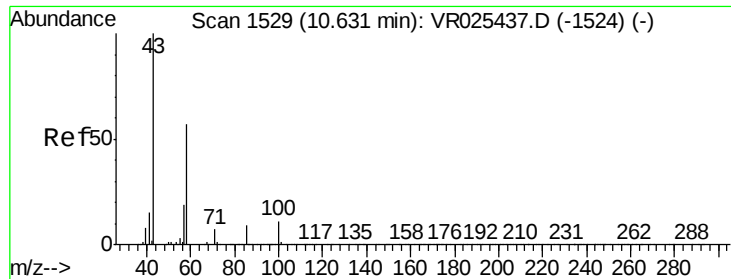
Tgt Ion:	97	Resp:	116989
Ion	Ratio	Lower	Upper
97	100		
99	62.1	41.9	77.9
83	86.5	64.5	119.9
85	52.8	38.6	71.8



#47
 Tetrachloroethene
 Concen: 4.913 ug/L
 RT: 10.51 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion:	164	Resp:	176061
Ion	Ratio	Lower	Upper
164	100		
129	101.3	68.1	126.5
131	98.1	68.5	127.1
166	123.5	89.9	166.9

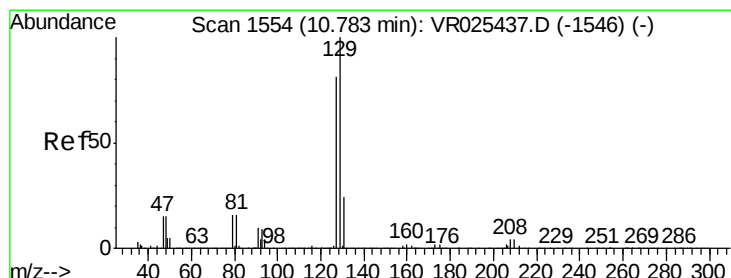
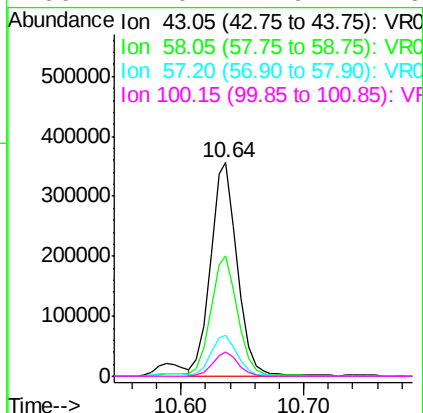
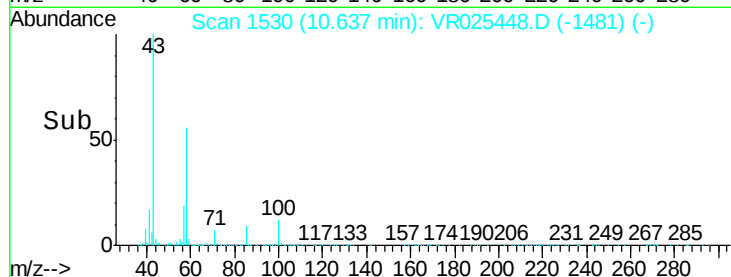
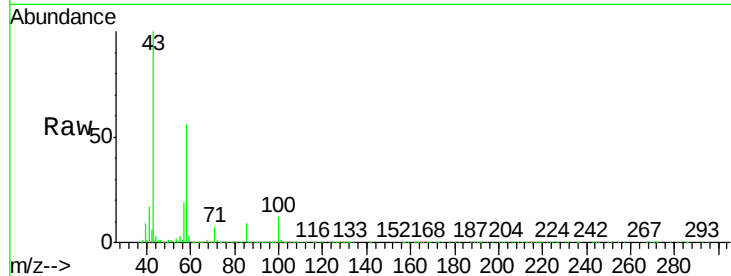




#48
2-Hexanone
Concen: 53.702 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

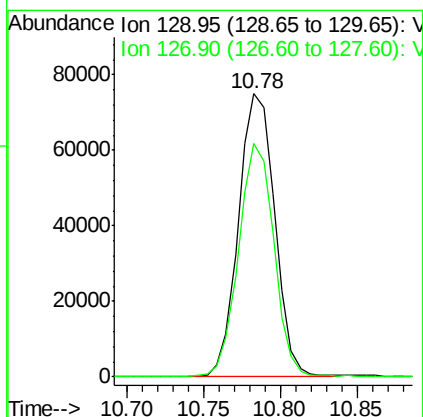
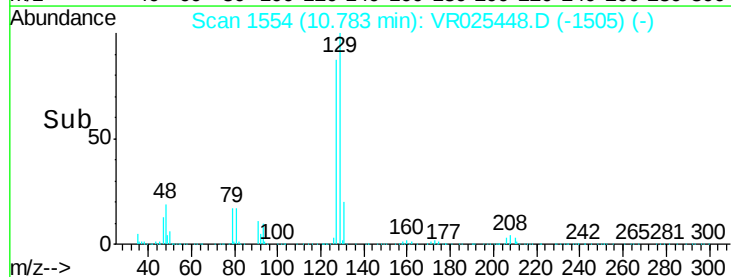
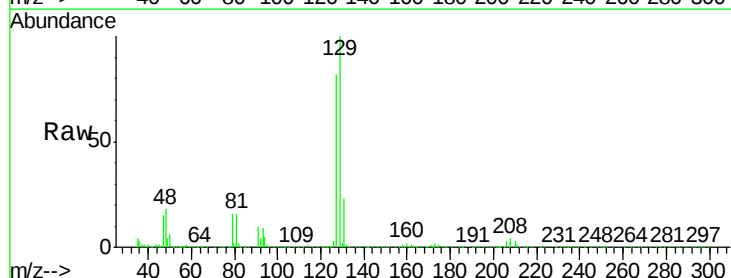
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

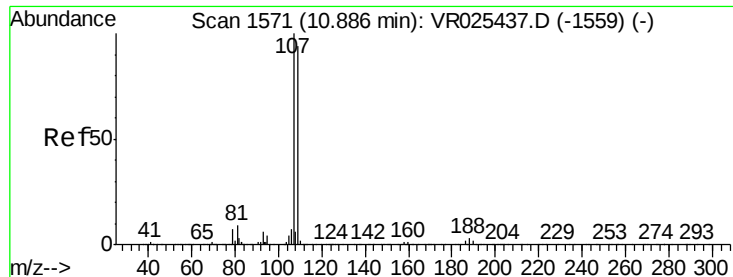
Tgt Ion: 43 Resp: 536446
Ion Ratio Lower Upper
43 100
58 58.3 43.1 64.7
57 19.3 15.3 22.9
100 11.0 7.9 11.9



#49
Dibromochloromethane
Concen: 4.813 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion: 129 Resp: 123197
Ion Ratio Lower Upper
129 100
127 82.3 55.9 103.7

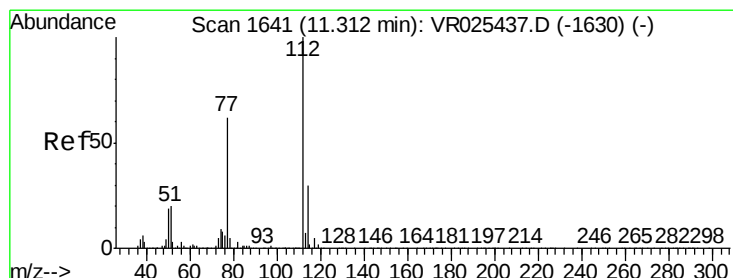
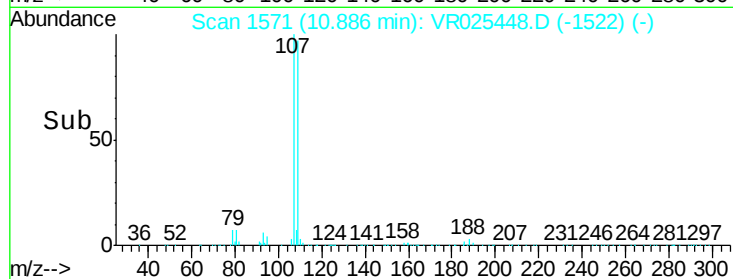
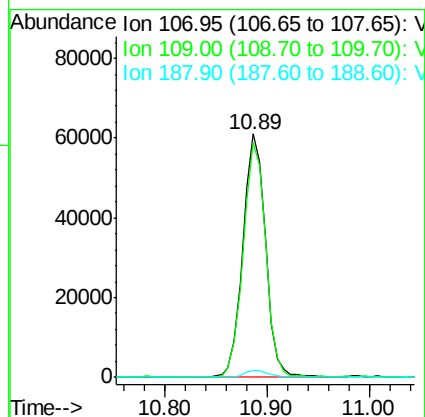
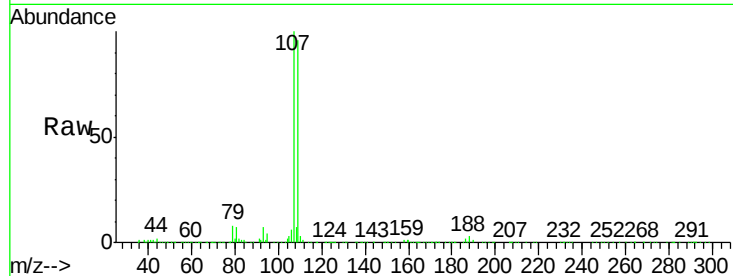




#50
1,2-Dibromoethane
Concen: 4.699 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

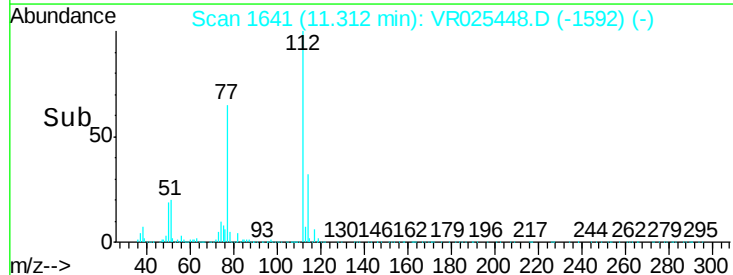
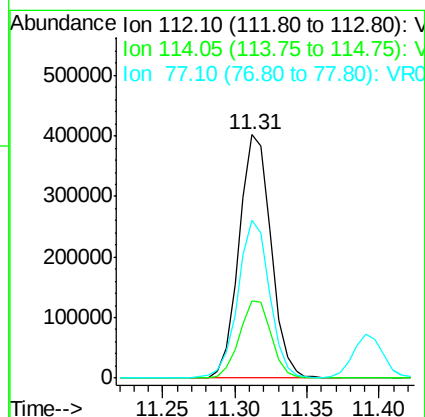
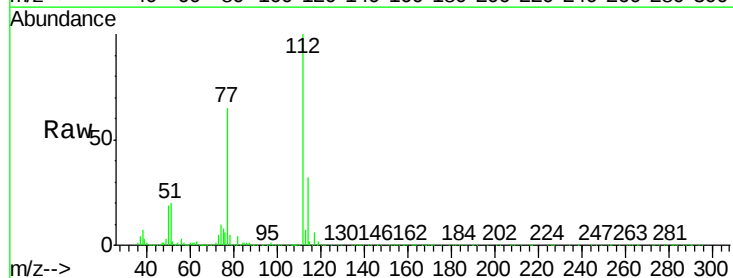
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

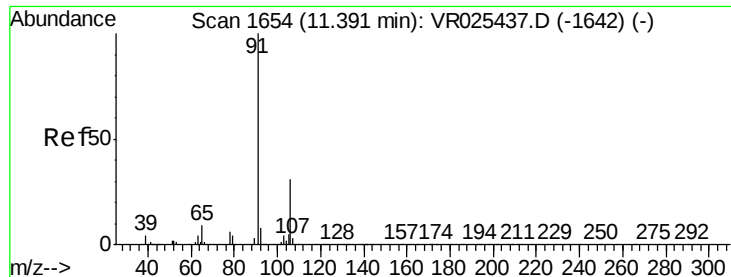
Tgt Ion:107 Resp: 93462
Ion Ratio Lower Upper
107 100
109 96.2 63.1 117.3
188 3.0 1.8 2.8#



#51
Chlorobenzene
Concen: 4.854 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion:112 Resp: 619625
Ion Ratio Lower Upper
112 100
114 31.8 21.6 40.0
77 64.9 51.9 77.9





#52

Ethylbenzene

Concen: 5.306 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

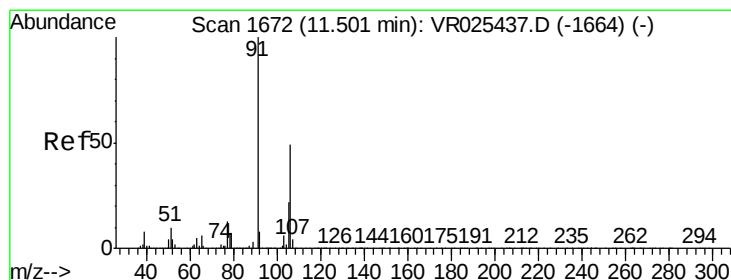
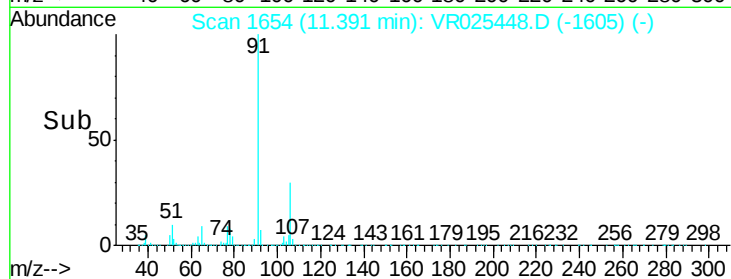
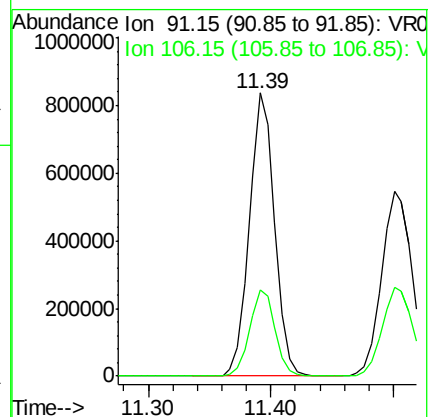
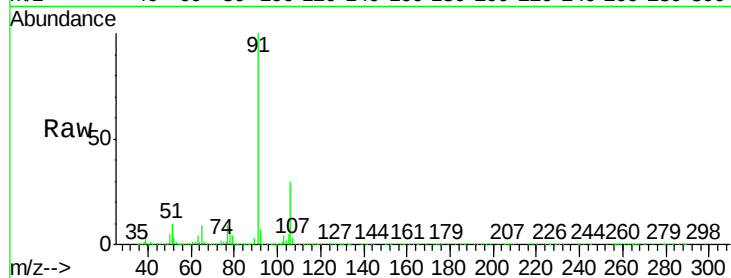
VSTD00587

Tgt Ion: 91 Resp: 1192694

Ion Ratio Lower Upper

91 100

106 30.4 22.5 41.7



#53

m,p-Xylene

Concen: 5.348 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025448.D

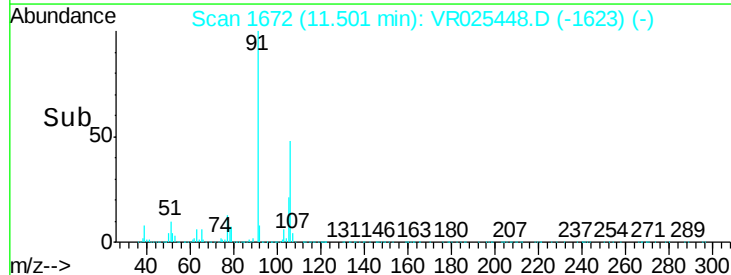
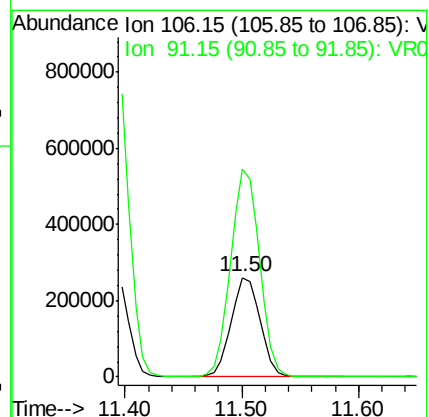
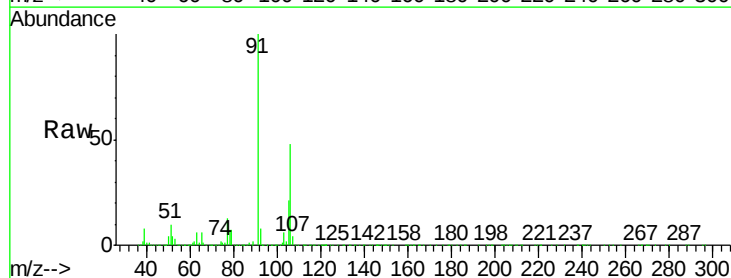
Acq: 5 Jul 2018 20:14

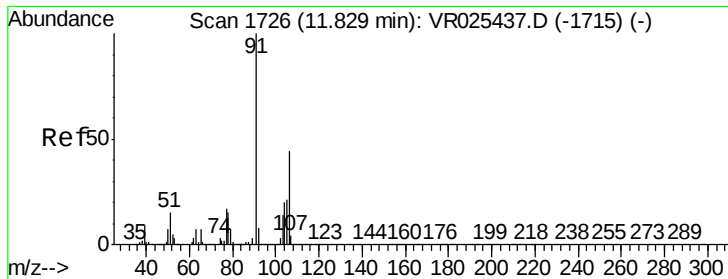
Tgt Ion: 106 Resp: 451133

Ion Ratio Lower Upper

106 100

91 208.9 152.6 283.4

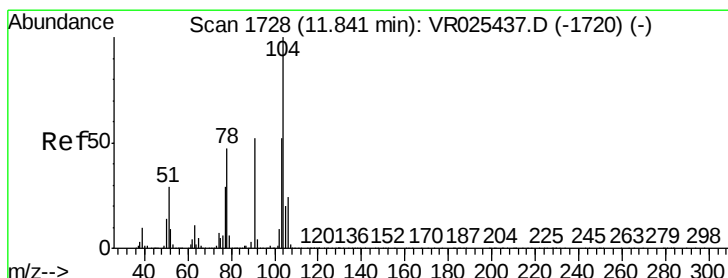
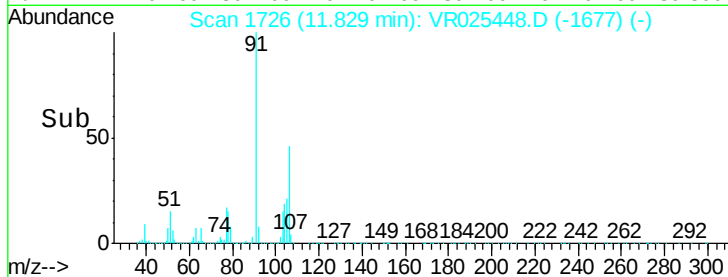
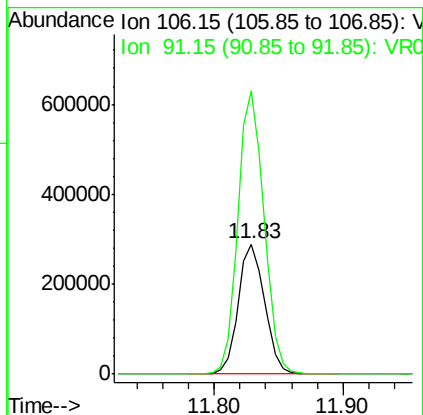
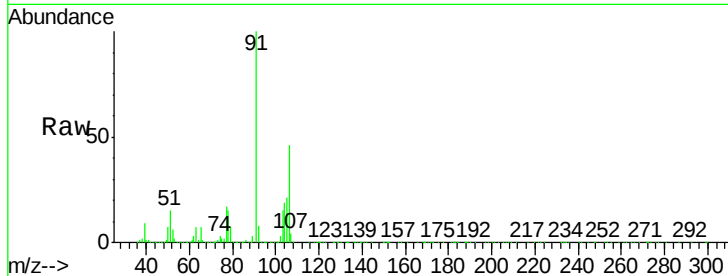




#54
o-Xylene
Concen: 5.644 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

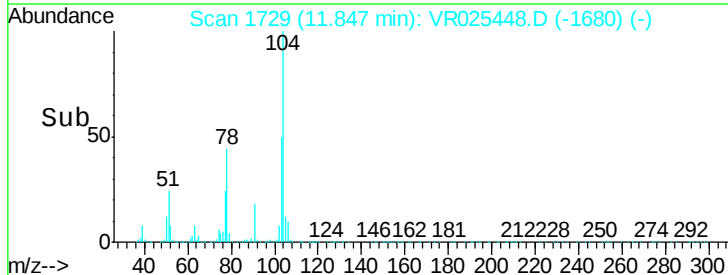
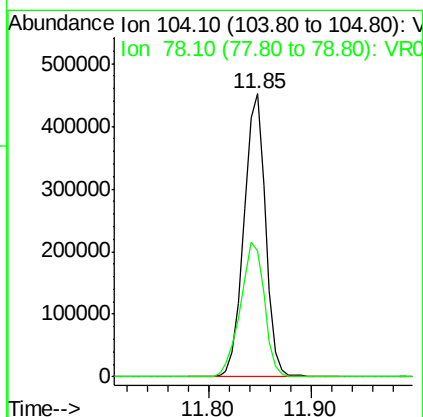
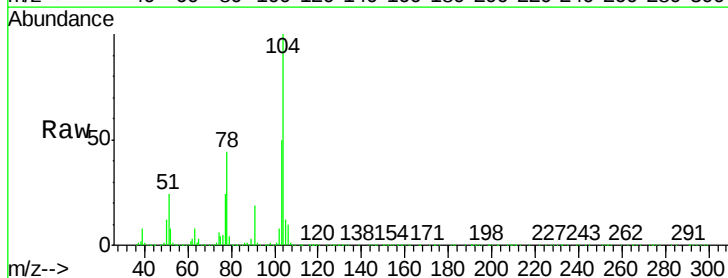
Instrument :
MSVOA_R
ClientSampleId :
VSTD00587

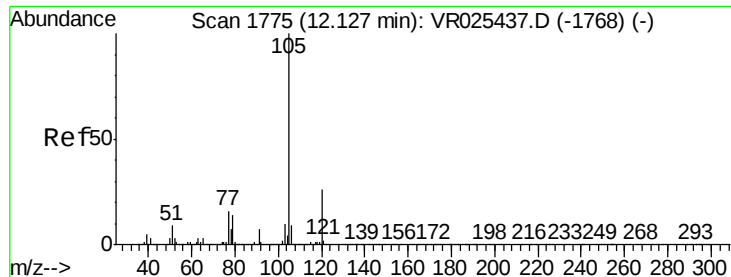
Tgt Ion:106 Resp: 410098
Ion Ratio Lower Upper
106 100
91 217.4 153.7 285.5



#55
Styrene
Concen: 5.527 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025448.D
Acq: 5 Jul 2018 20:14

Tgt Ion:104 Resp: 660771
Ion Ratio Lower Upper
104 100
78 44.4 35.4 65.7





#56

Isopropylbenzene

Concen: 5.687 ug/L

RT: 12.13 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

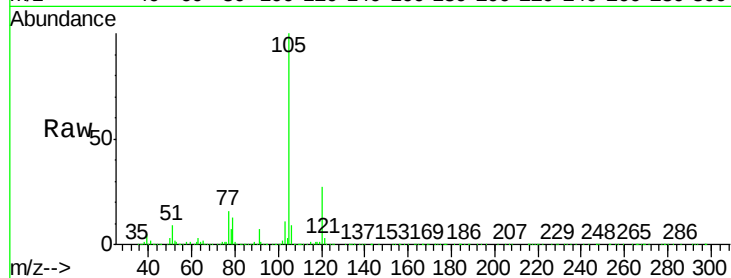
Tgt Ion:105 Resp: 1094257

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

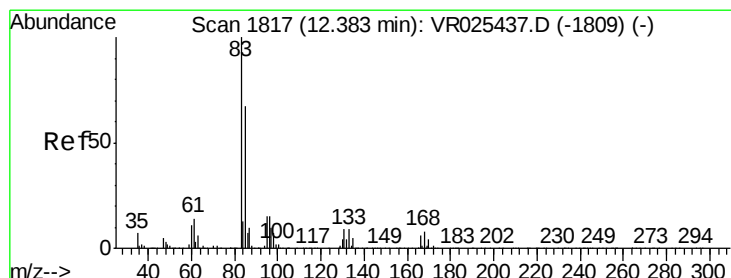
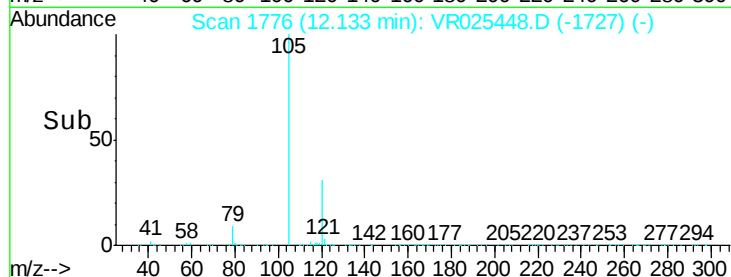
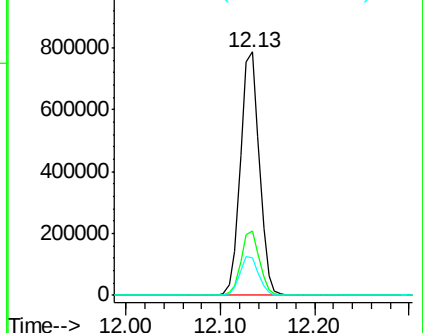
77 16.0 13.0 19.6



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.874 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

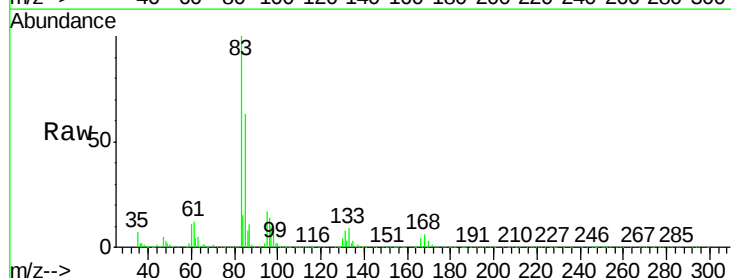
Tgt Ion: 83 Resp: 117876

Ion Ratio Lower Upper

83 100

85 63.0 41.8 77.6

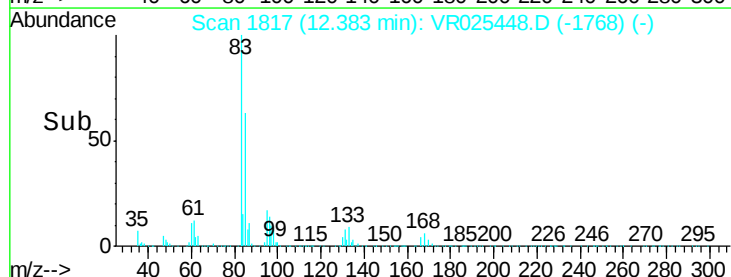
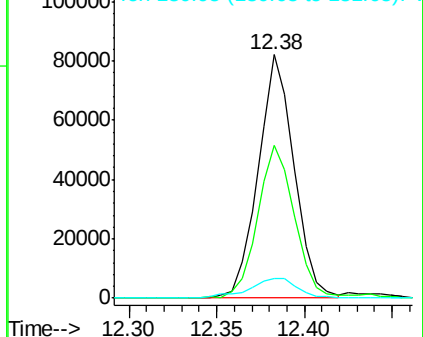
131 8.1 6.1 9.1

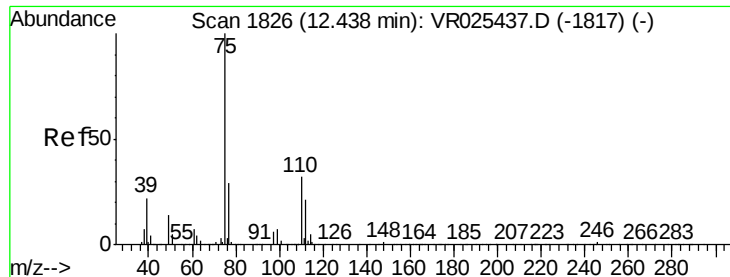


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

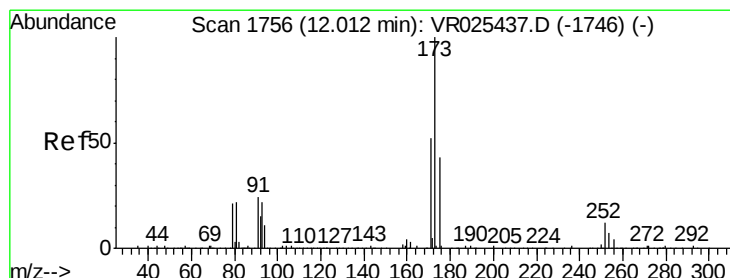
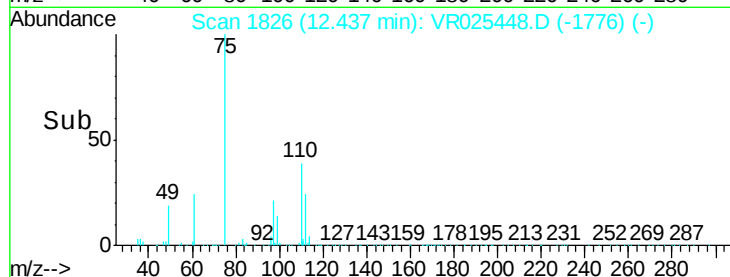
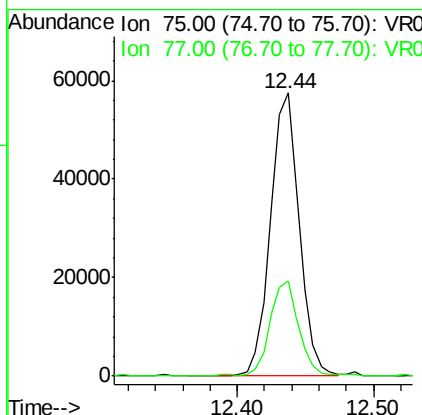
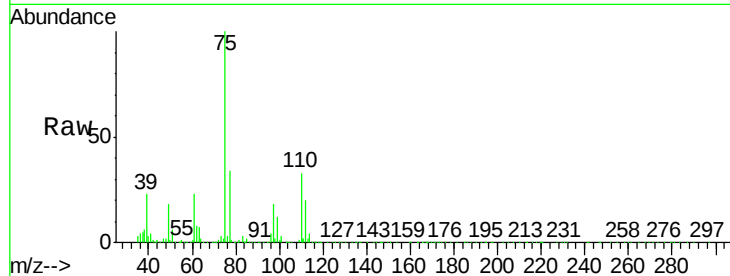




#59
 1,2,3-Trichloropropane
 Concen: 4.887 ug/L
 RT: 12.44 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

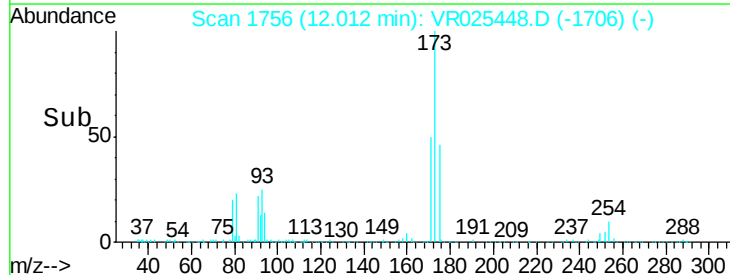
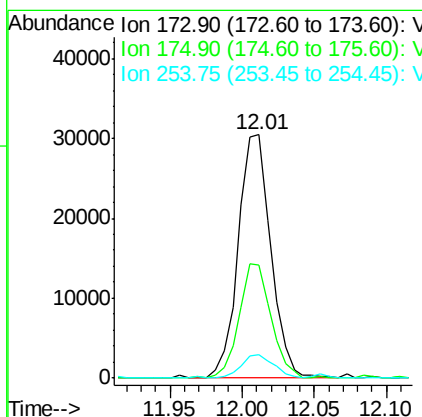
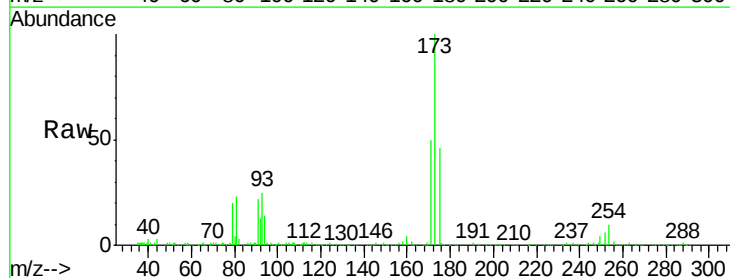
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

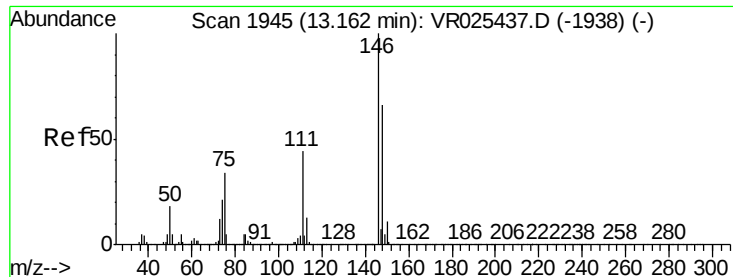
Tgt Ion: 75 Resp: 85070
 Ion Ratio Lower Upper
 75 100
 77 34.0 27.0 40.4



#61
 Bromoform
 Concen: 4.729 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. 0.01 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion: 173 Resp: 47452
 Ion Ratio Lower Upper
 173 100
 175 46.4 37.5 56.3
 254 9.7 8.7 13.1

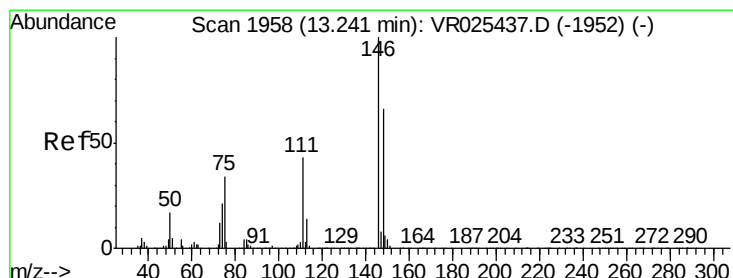
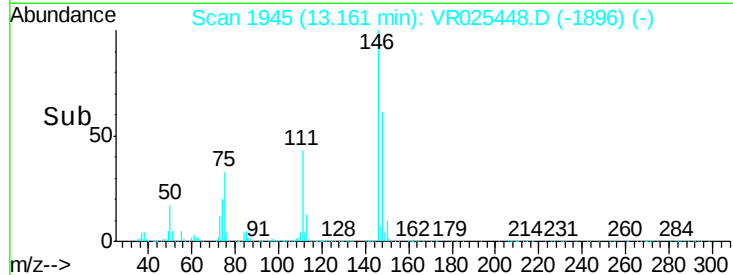
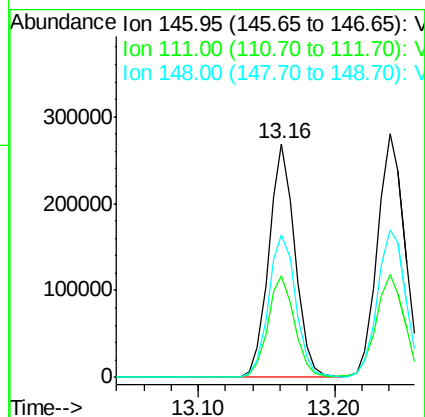
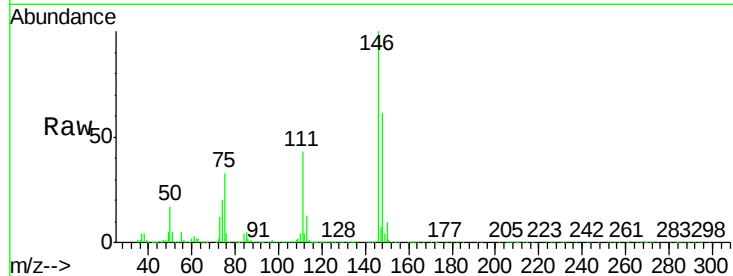




#62
 1,3-Dichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.16 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

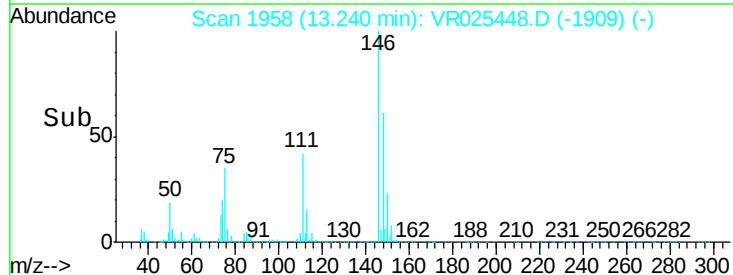
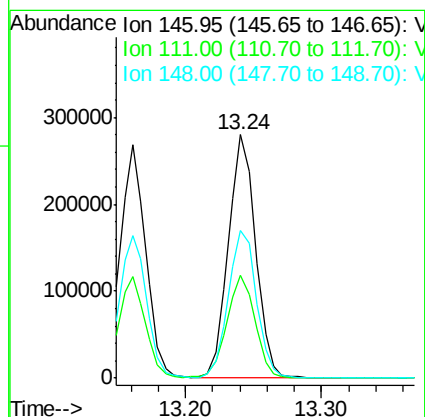
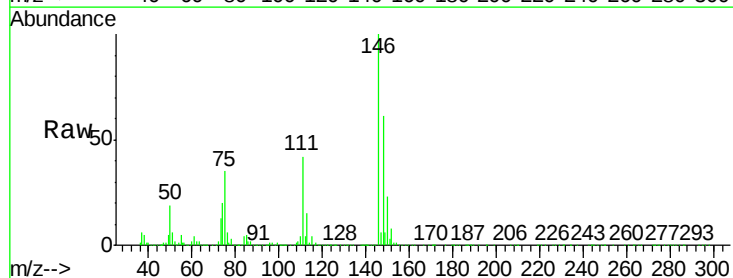
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

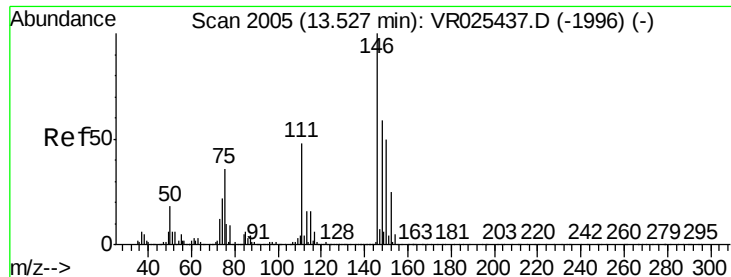
Tgt Ion:146 Resp: 360881
 Ion Ratio Lower Upper
 146 100
 111 43.4 31.0 57.6
 148 61.2 44.8 83.2



#63
 1,4-Dichlorobenzene
 Concen: 4.863 ug/L
 RT: 13.24 min Scan# 1958
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion:146 Resp: 389664
 Ion Ratio Lower Upper
 146 100
 111 42.4 30.5 56.7
 148 60.7 42.8 79.4

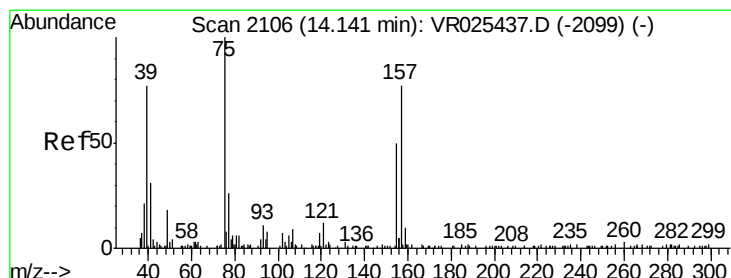
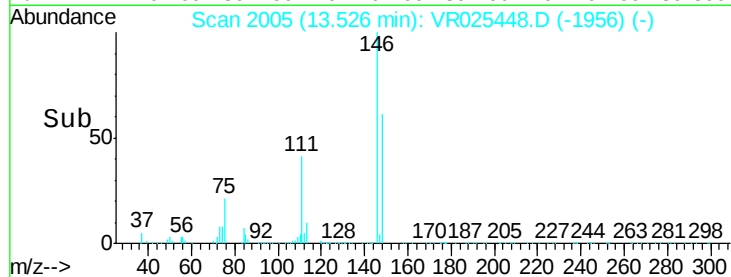
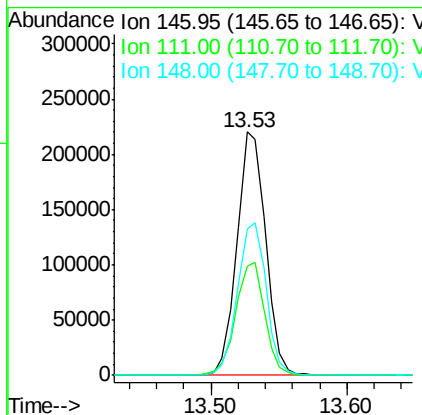
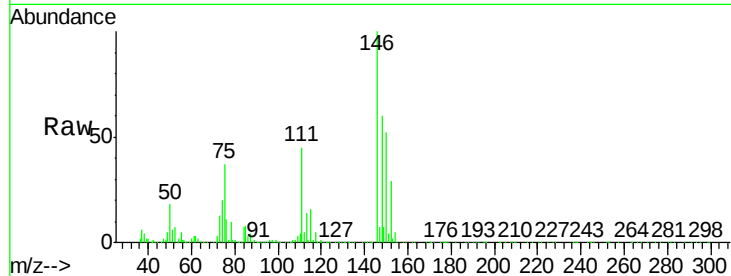




#65
 1,2-Dichlorobenzene
 Concen: 5.141 ug/L
 RT: 13.53 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

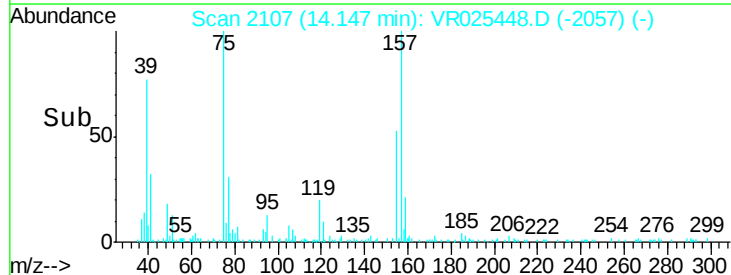
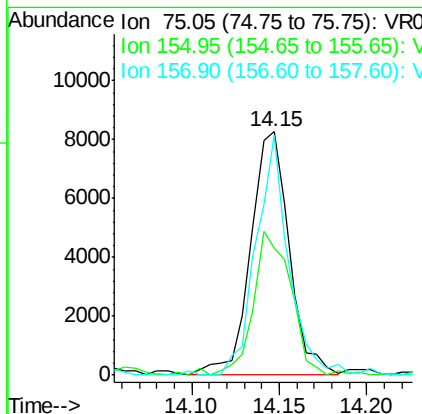
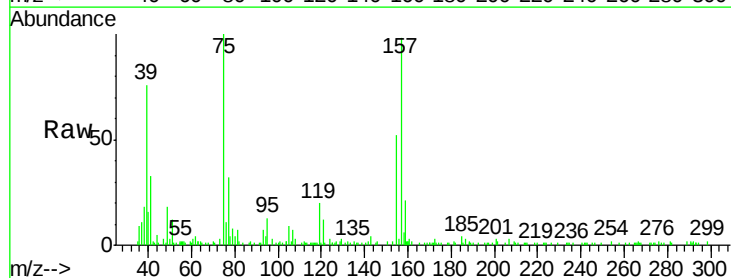
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

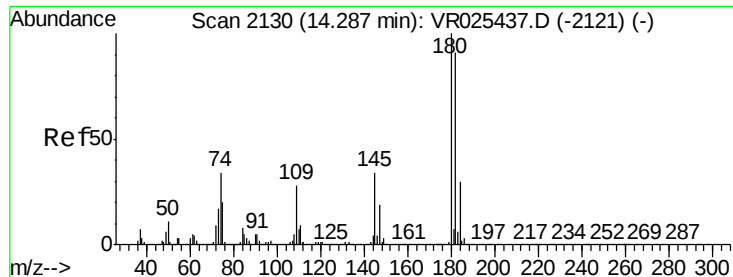
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	35.8	53.8
148	60.3	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.602 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. 0.01 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.4	74.1	111.1#
157	98.3	71.0	106.6

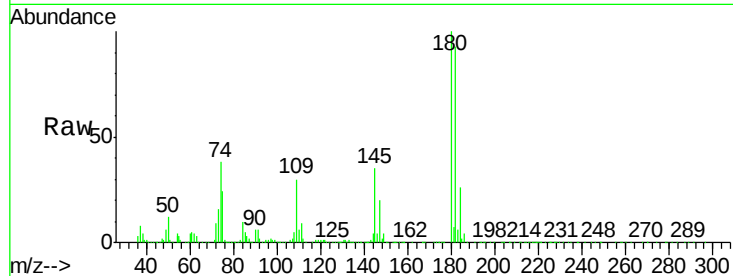




#67
 1,3,5-Trichlorobenzene
 Concen: 4.836 ug/L
 RT: 14.29 min Scan# 2130
 Delta R.T. -0.01 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00587

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	76.0	114.0
184	30.2	24.5	36.7
145	33.6	25.2	37.8



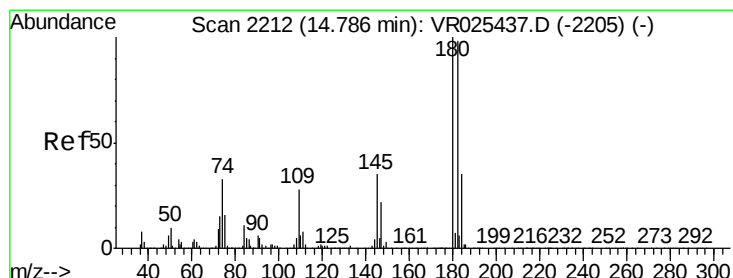
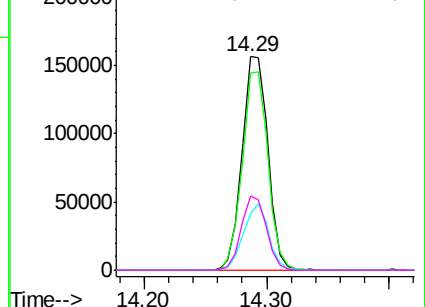
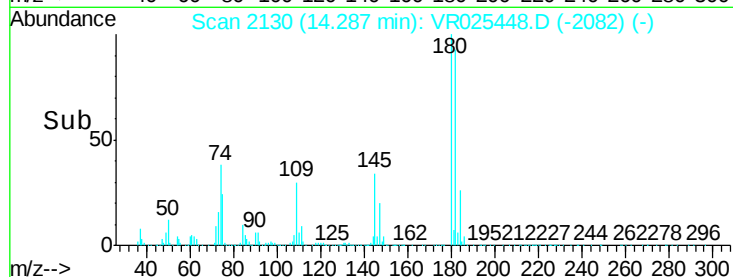
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

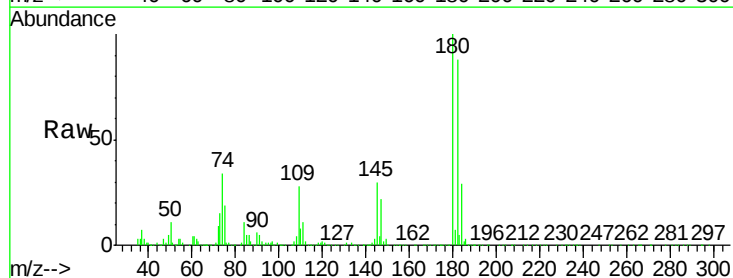
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.772 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025448.D
 Acq: 5 Jul 2018 20:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.9	75.0	112.4
145	32.9	27.3	40.9

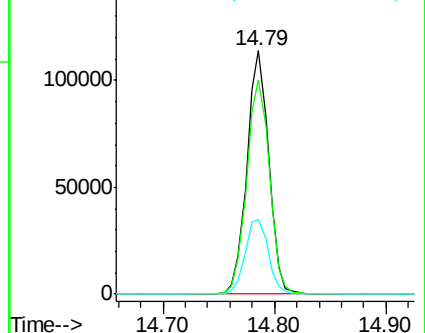
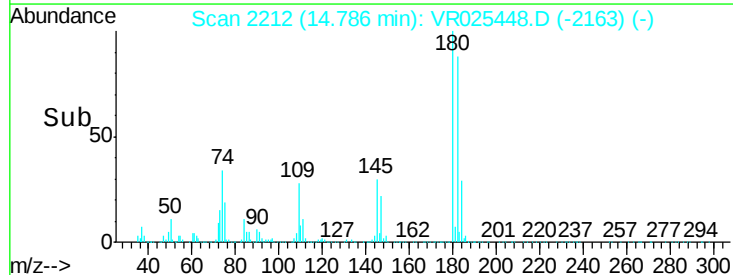


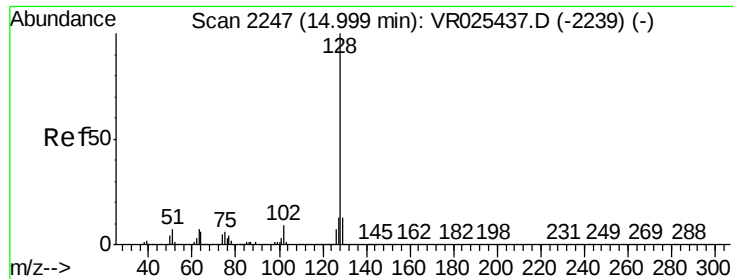
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.979 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

Instrument :

MSVOA_R

ClientSampleId :

VSTD00587

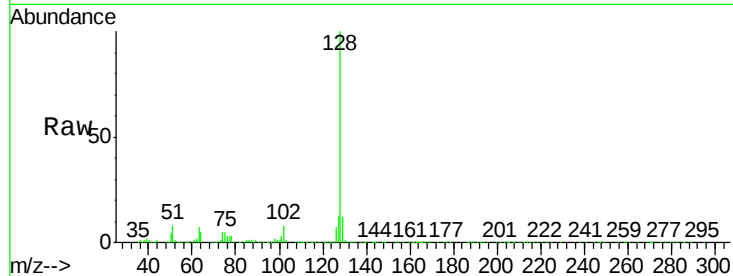
Tgt Ion:128 Resp: 206618

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

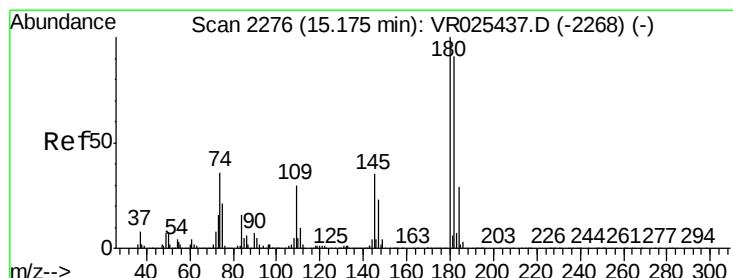
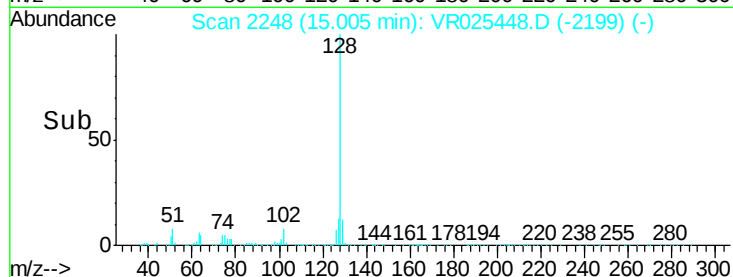
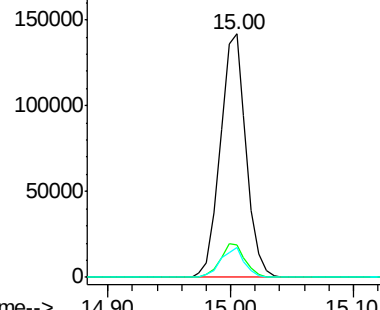
129 11.4 8.6 13.0



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: 5.037 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025448.D

Acq: 5 Jul 2018 20:14

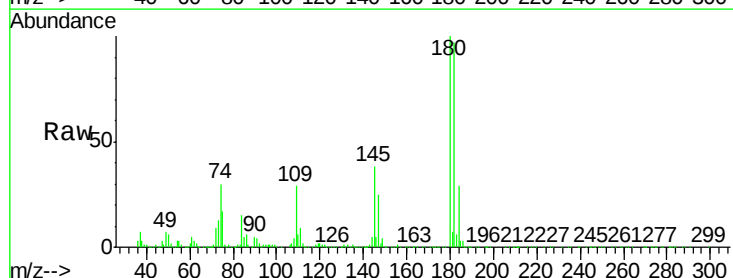
Tgt Ion:180 Resp: 125881

Ion Ratio Lower Upper

180 100

182 98.2 75.2 112.8

145 36.2 28.2 42.2



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

