

Data File : VR025831.D
Acq On : 24 Sep 2018 19:48
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

Quant Time: Sep 25 07:33:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 25 07:30:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	466663	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	383410	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	135760	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	157516	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	2.63	69	128682	4.90	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.00%
11) 1,1-Dichloroethene-d2	3.63	63	403838	5.00	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.00%
20) 2-Butanone-d5	6.59	46	211837	47.55	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.10%
24) Chloroform-d	7.20	84	316896	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	7.90	65	136499	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
32) Benzene-d6	7.85	84	638111	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
36) 1,2-Dichloropropane-d6	8.89	67	174103	4.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.60%
41) Toluene-d8	9.97	98	578334	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	10.24	79	45775	4.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.20%
46) 2-Hexanone-d5	10.59	63	167381	46.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.32%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	71336	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	104476	4.50	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	210468	4.330	ug/L	100
3) Chloromethane	2.01	50	250937	4.742	ug/L	99
5) Vinyl chloride	2.17	62	243917	4.867	ug/L	96
6) Bromomethane	2.52	94	144251	5.063	ug/L	97
8) Chloroethane	2.66	64	141483	4.968	ug/L	99
9) Trichlorofluoromethane	2.93	101	139376	2.243	ug/L #	30
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	204598	5.403	ug/L	98
12) 1,1-Dichloroethene	3.63	96	201682	5.010	ug/L	97
13) Acetone	3.70	43	177535	60.396	ug/L	100
14) Carbon disulfide	3.94	76	540271	4.770	ug/L	97
15) Methyl Acetate	4.19	43	50304	5.334	ug/L	99
16) Methylene chloride	4.40	84	178999	4.946	ug/L	100
17) Methyl tert-butyl Ether	4.89	73	304514	4.325	ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	209747	4.605	ug/L	99
19) 1,1-Dichloroethane	5.69	63	415172	4.459	ug/L	97
21) 2-Butanone	6.69	43	293953	47.981	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	208930	4.554	ug/L #	94

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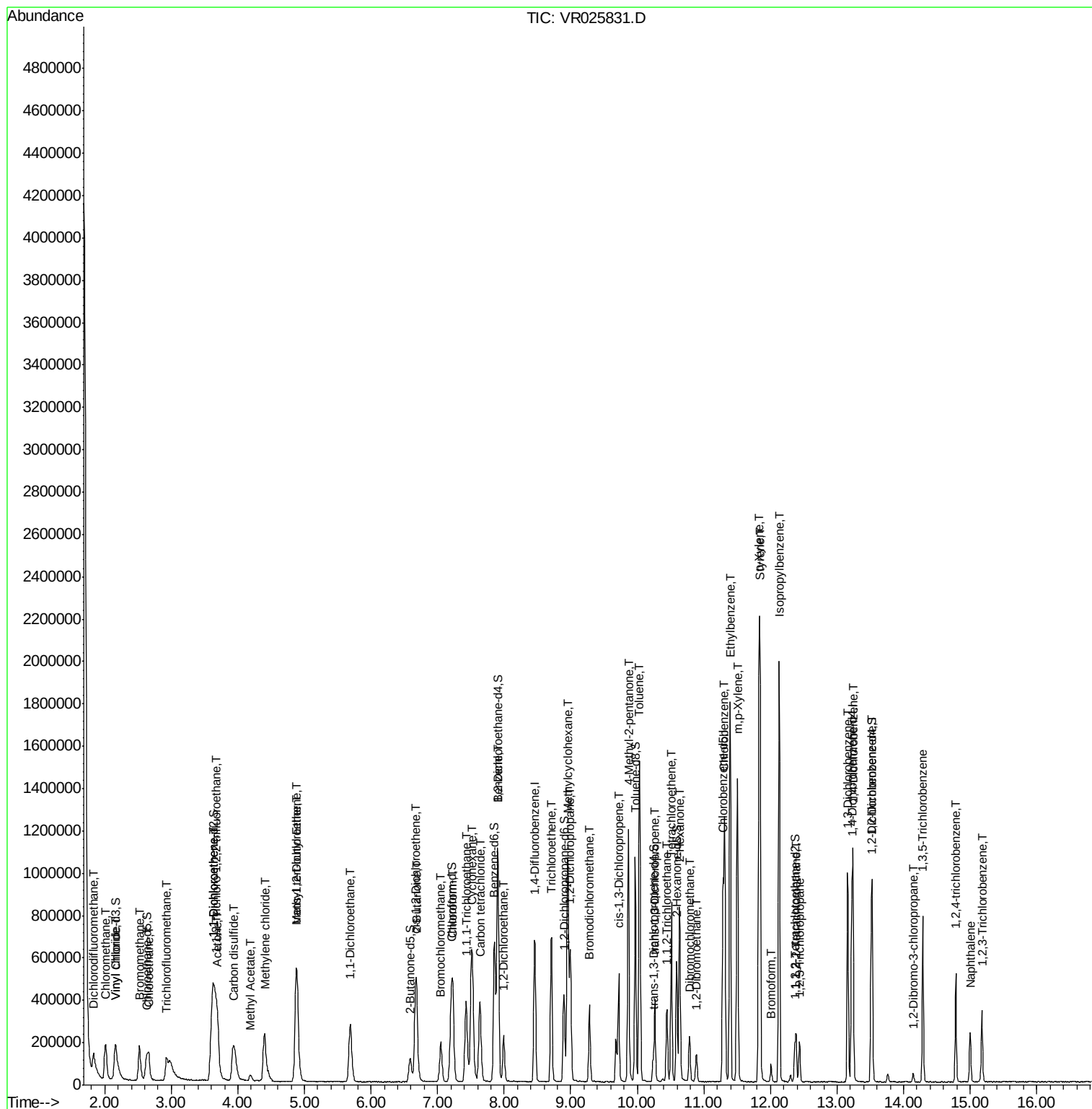
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	51105	4.227	ug/L	94
25) Chloroform	7.23	83	390395	4.560	ug/L	99
27) 1,2-Dichloroethane	7.99	62	197634	4.466	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	325994	4.210	ug/L	98
30) Cyclohexane	7.51	56	411808	4.461	ug/L	99
31) Carbon tetrachloride	7.63	117	272185	4.272	ug/L	100
33) Benzene	7.90	78	914772	4.545	ug/L	100
34) Trichloroethene	8.71	95	233810	4.377	ug/L	98
35) Methylcyclohexane	8.95	83	387716	4.426	ug/L	100
37) 1,2-Dichloropropane	8.99	63	207028	4.613	ug/L	99
38) Bromodichloromethane	9.28	83	220058	4.441	ug/L	95
39) cis-1,3-Dichloropropene	9.72	75	252927	4.604	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	766854	49.082	ug/L	99
42) Toluene	10.03	91	961199	4.686	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	173046	4.545	ug/L	92
45) 1,1,2-Trichloroethane	10.45	97	86094	4.576	ug/L	96
47) Tetrachloroethene	10.51	164	129902	4.252	ug/L	97
48) 2-Hexanone	10.63	43	509516	49.588	ug/L	98
49) Dibromochloromethane	10.79	129	89871	4.585	ug/L	98
50) 1,2-Dibromoethane	10.89	107	75123	4.537	ug/L	94
51) Chlorobenzene	11.32	112	493193	4.583	ug/L	99
52) Ethylbenzene	11.39	91	1113814	4.719	ug/L	100
53) m,p-Xylene	11.50	106	389216	4.573	ug/L	97
54) o-Xylene	11.83	106	358625	4.602	ug/L	97
55) Styrene	11.84	104	572165	4.739	ug/L	98
56) Isopropylbenzene	12.13	105	1025489	4.702	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	89009	4.821	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	68306	4.660	ug/L	99
61) Bromoform	12.01	173	27420	4.328	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	281544	4.482	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	273653	4.513	ug/L	97
65) 1,2-Dichlorobenzene	13.53	146	219366	4.587	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.14	75	8996	4.114	ug/L #	92
67) 1,3,5-Trichlorobenzene	14.29	180	157012	4.431	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	100585	4.461	ug/L	97
69) Naphthalene	15.00	128	148114	4.514	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	68903	4.302	ug/L	97

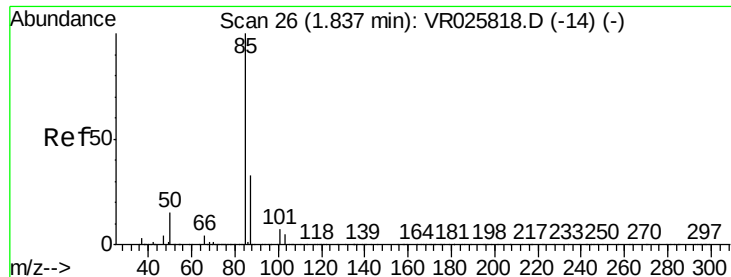
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.330 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

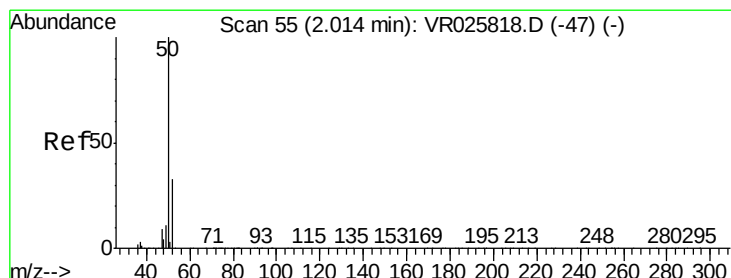
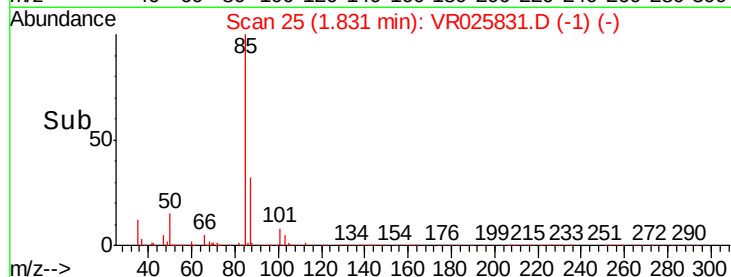
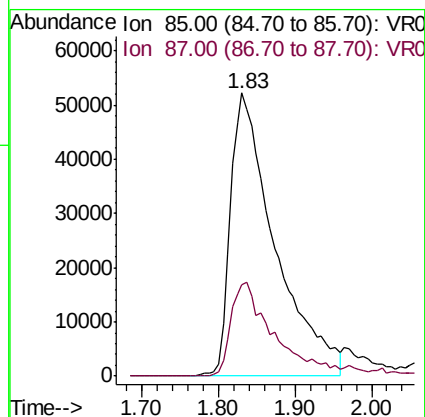
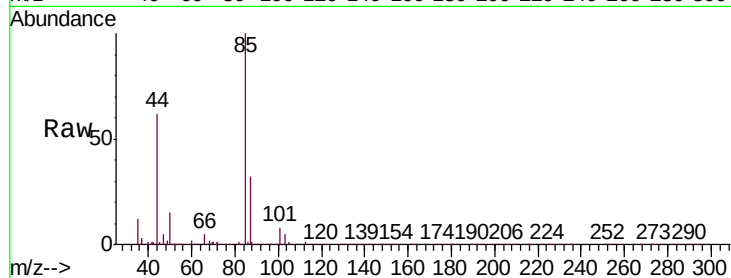
VSTD00582

Tgt Ion: 85 Resp: 210468

Ion Ratio Lower Upper

85 100

87 31.6 25.1 37.7



#3

Chloromethane

Concen: 4.742 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025831.D

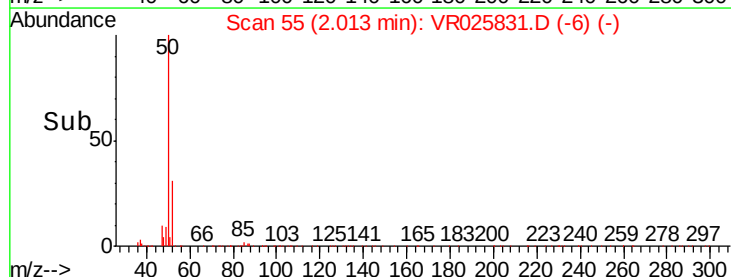
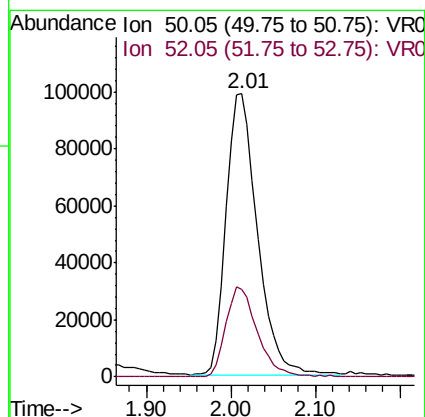
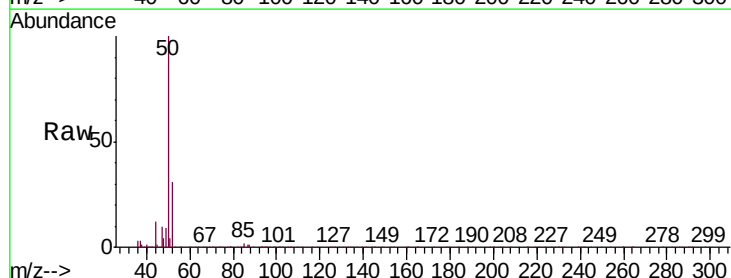
Acq: 24 Sep 2018 19:48

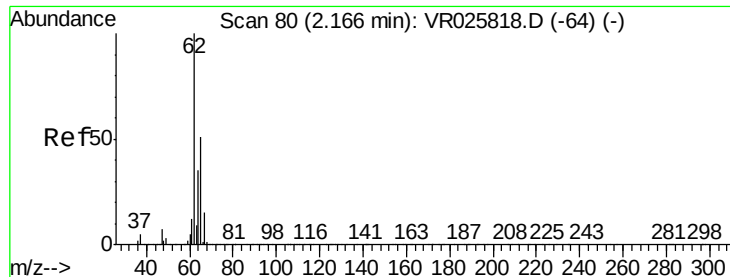
Tgt Ion: 50 Resp: 250937

Ion Ratio Lower Upper

50 100

52 31.1 22.1 41.1





#5

Vinyl chloride

Concen: 4.867 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

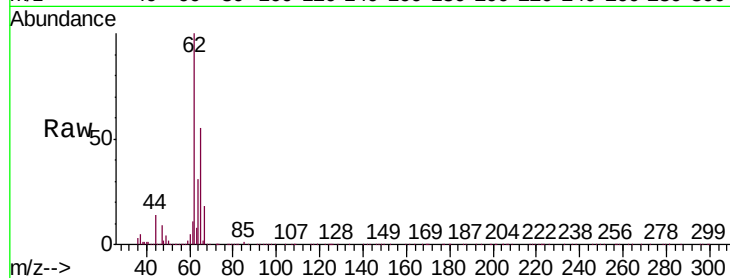
VSTD00582

Tgt Ion: 62 Resp: 243917

Ion Ratio Lower Upper

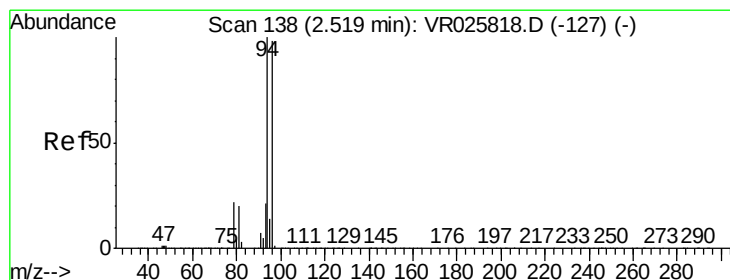
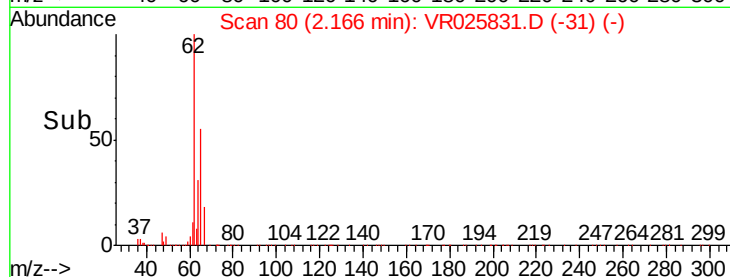
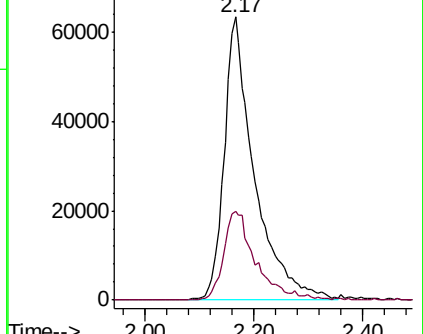
62 100

64 31.2 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 5.063 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.00 min

Lab File: VR025831.D

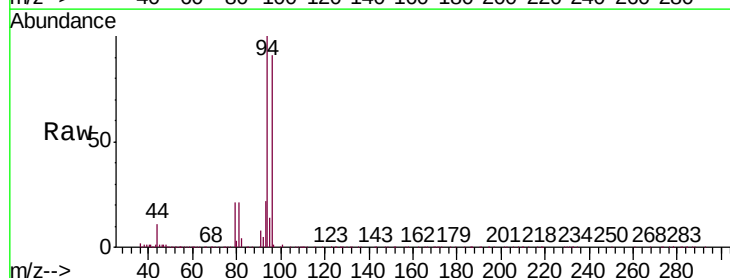
Acq: 24 Sep 2018 19:48

Tgt Ion: 94 Resp: 144251

Ion Ratio Lower Upper

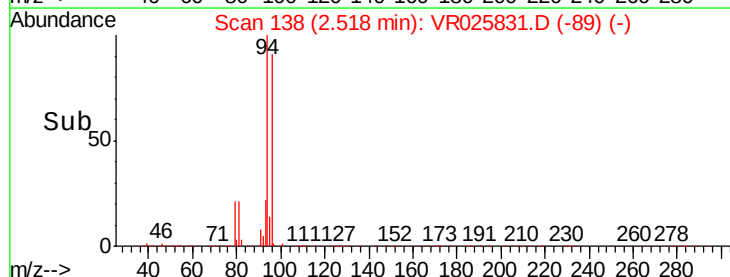
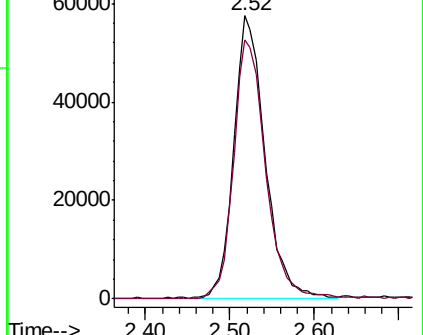
94 100

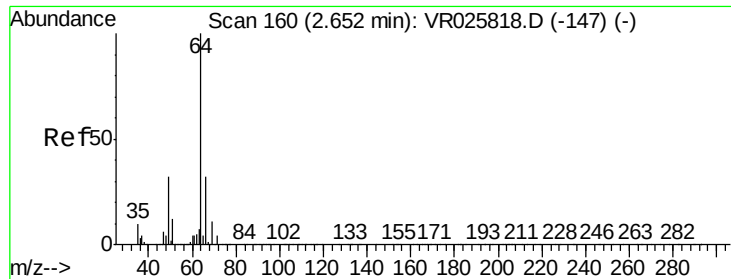
96 91.4 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 4.968 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

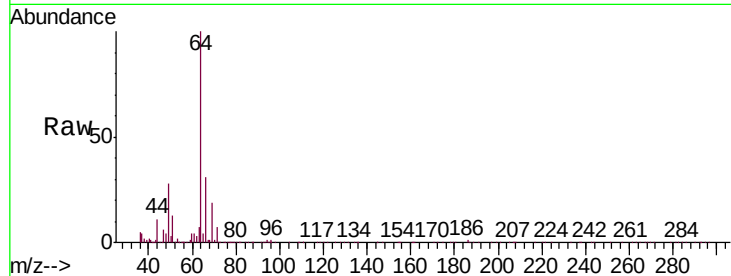
VSTD00582

Tgt Ion: 64 Resp: 141483

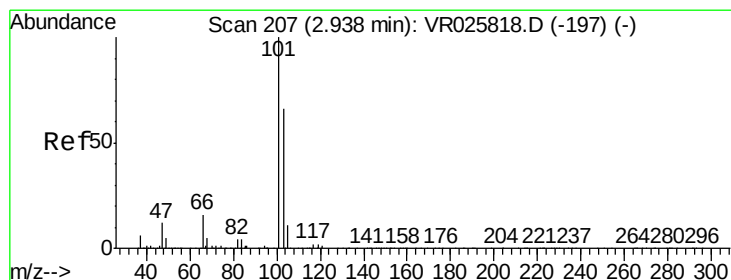
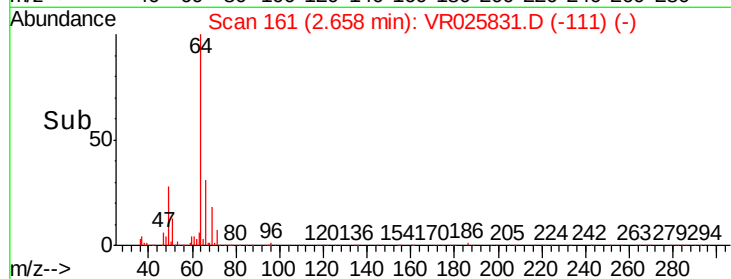
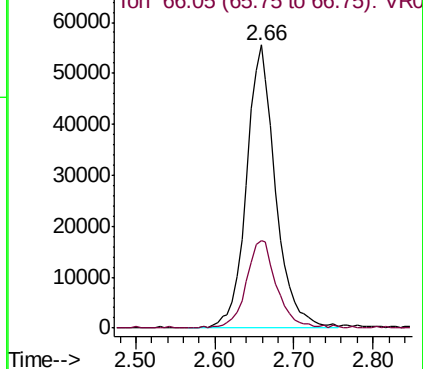
Ion Ratio Lower Upper

64 100

66 30.9 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0



#9

Trichlorofluoromethane

Concen: 2.243 ug/L

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR025831.D

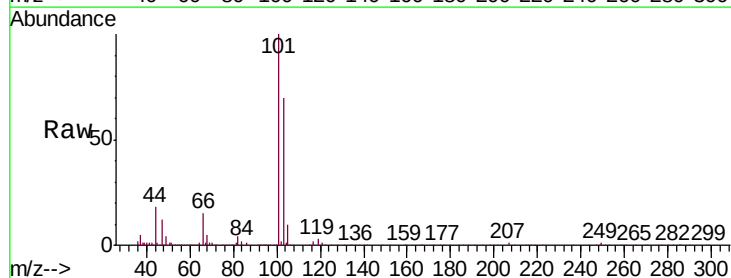
Acq: 24 Sep 2018 19:48

Tgt Ion: 101 Resp: 139376

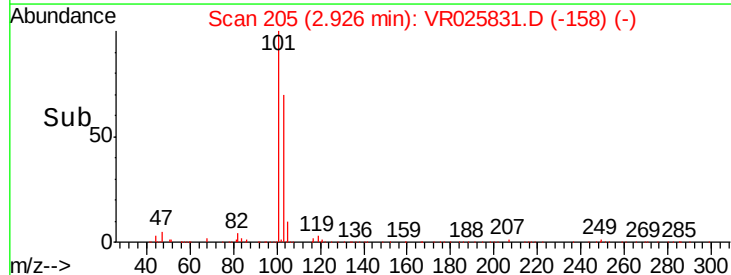
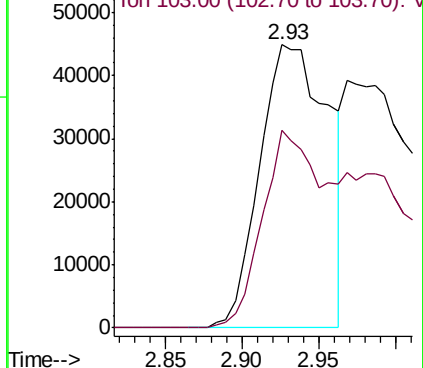
Ion Ratio Lower Upper

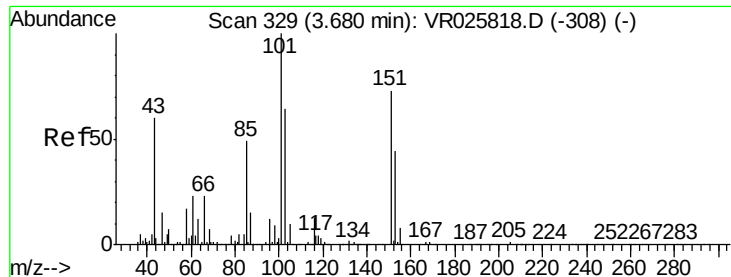
101 100

103 64.4 22.1 33.1#



Abundance Ion 101.00 (100.70 to 101.70): V





#10

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

Concen: 5.403 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.00 min

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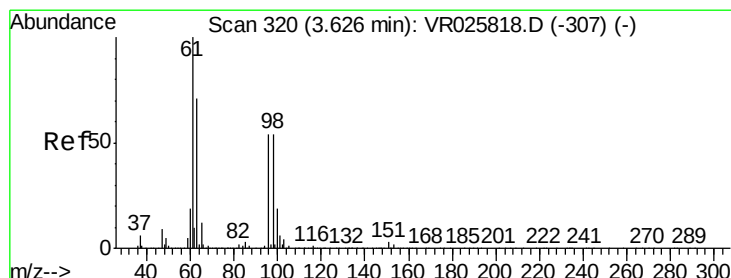
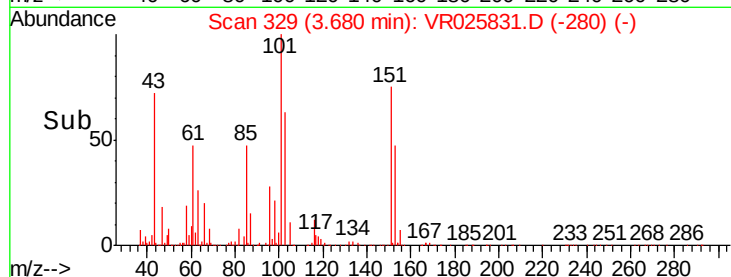
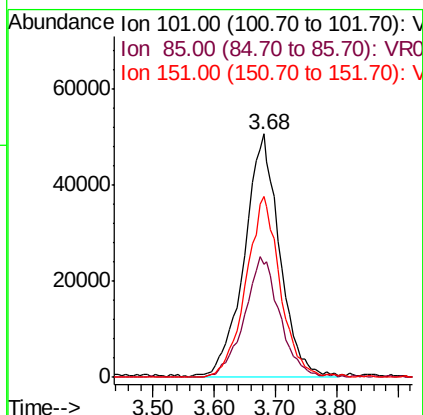
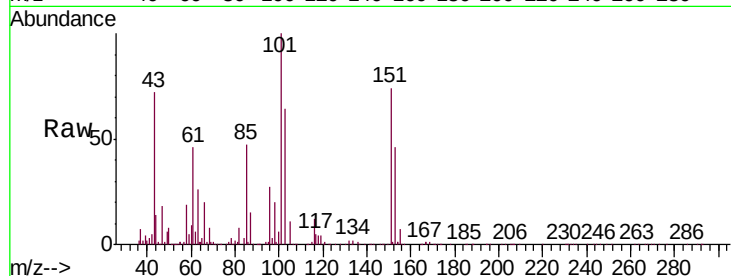
Tgt Ion:101 Resp: 204598

Ion Ratio Lower Upper

101 100

85 49.1 38.2 57.4

151 71.3 58.4 87.6



#12

1,1-Dichloroethene

Concen: 5.010 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR025831.D

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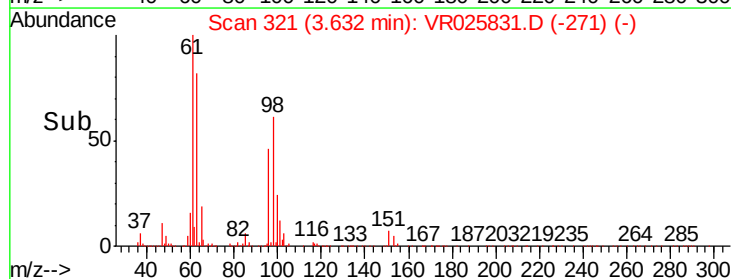
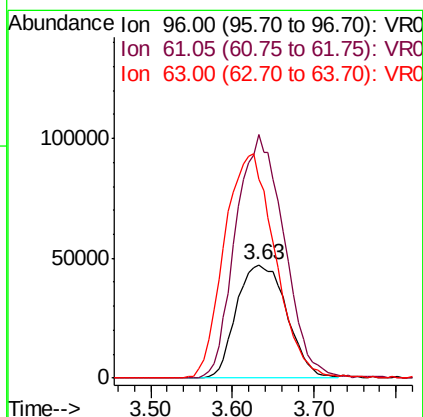
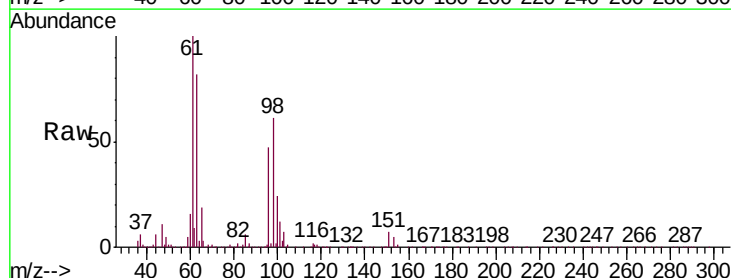
Tgt Ion: 96 Resp: 201682

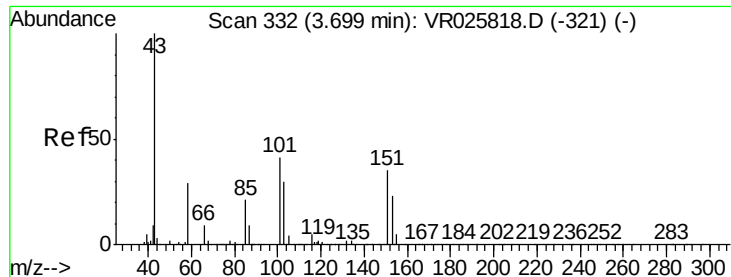
Ion Ratio Lower Upper

96 100

61 214.9 145.0 269.4

63 175.9 123.8 230.0





#13

Acetone

Concen: 60.396 ug/L

RT: 3.70 min Scan# 332

Delta R.T. -0.00 min

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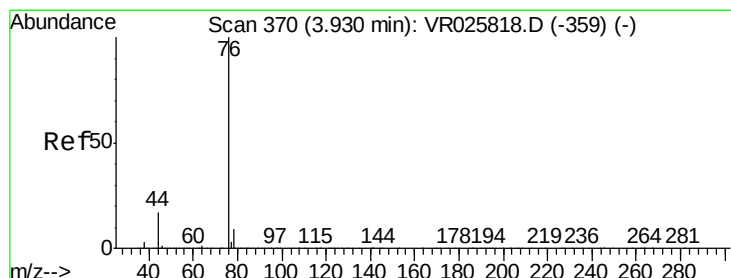
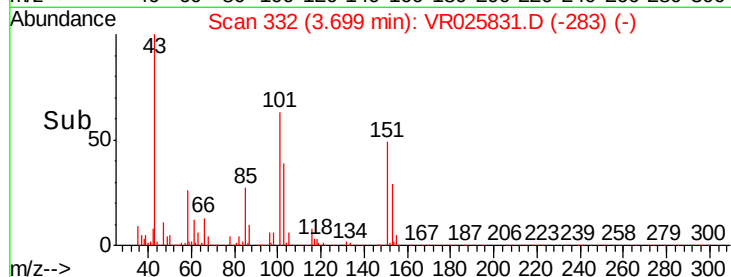
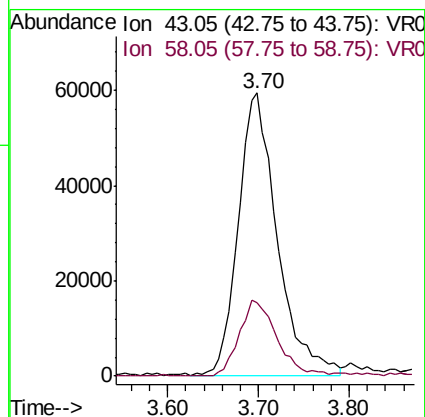
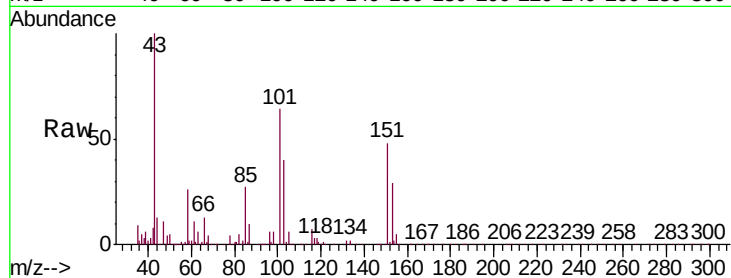
VSTD00582

Tgt Ion: 43 Resp: 177535

Ion Ratio Lower Upper

43 100

58 25.9 0.0 51.4



#14

Carbon disulfide

Concen: 4.770 ug/L

RT: 3.94 min Scan# 371

Delta R.T. 0.01 min

Lab File: VR025831.D

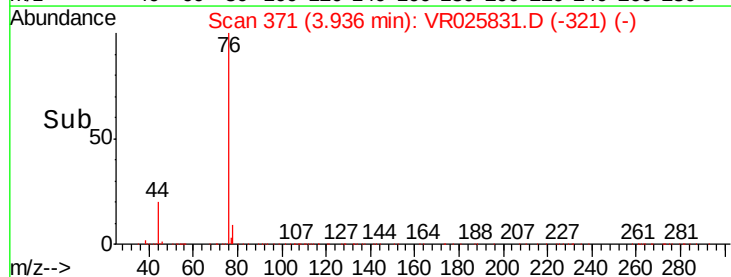
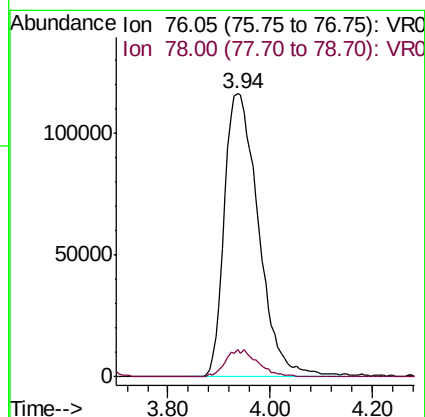
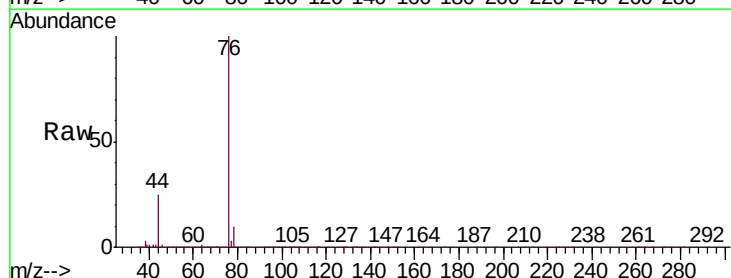
Acq: 24 Sep 2018 19:48

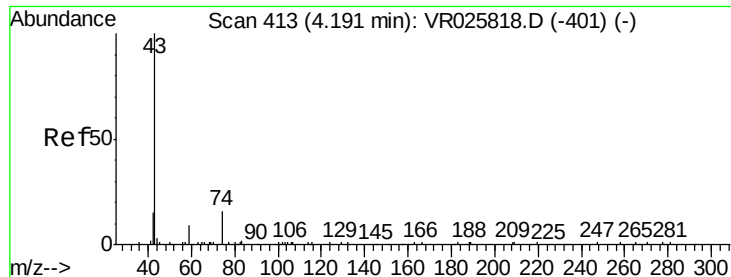
Tgt Ion: 76 Resp: 540271

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

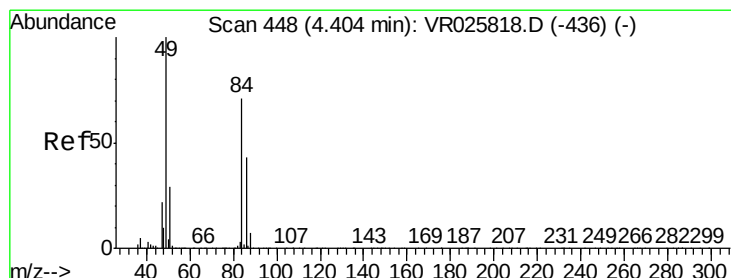
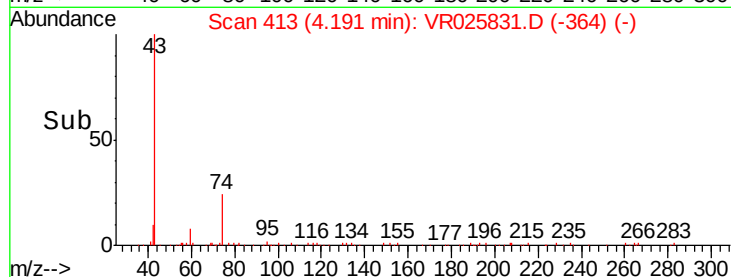
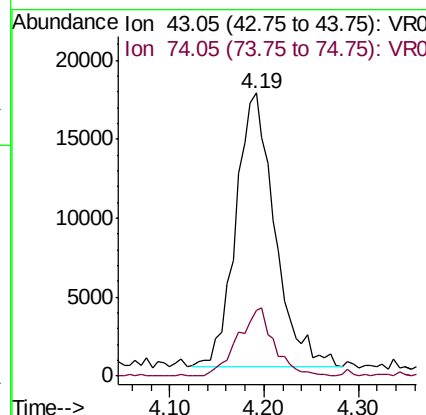
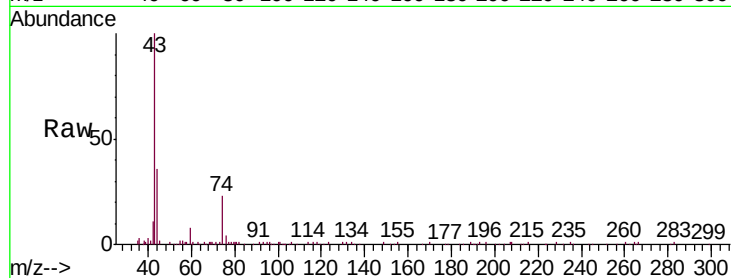




#15
Methyl Acetate
Concen: 5.334 ug/L
RT: 4.19 min Scan# 413
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

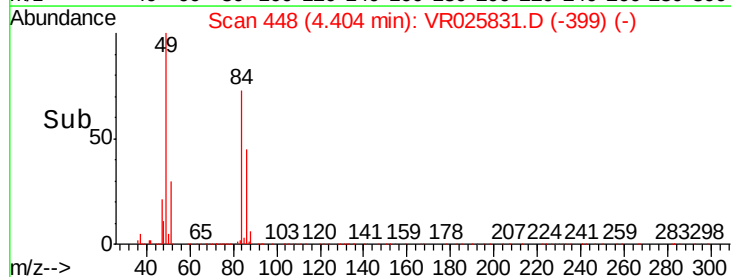
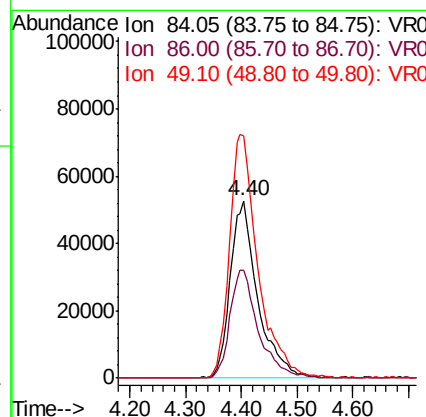
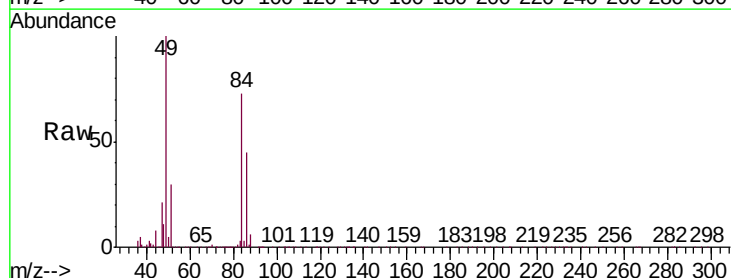
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

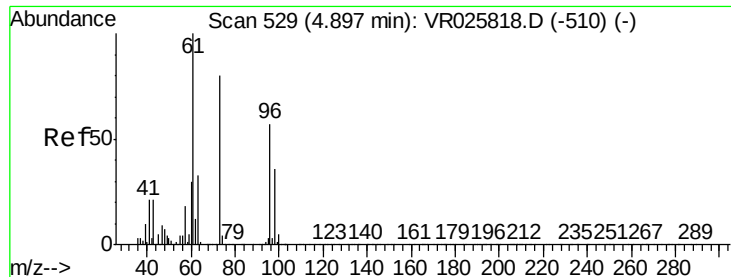
Tgt Ion: 43 Resp: 50304
Ion Ratio Lower Upper
43 100
74 23.2 19.0 28.4



#16
Methylene chloride
Concen: 4.946 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

Tgt Ion: 84 Resp: 178999
Ion Ratio Lower Upper
84 100
86 60.8 43.1 80.1
49 136.4 95.5 177.3





#17

Methyl tert-butyl Ether

Concen: 4.325 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

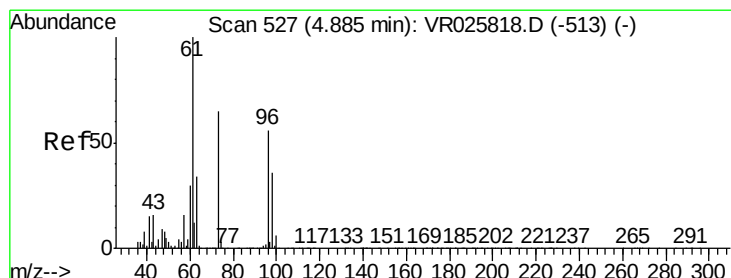
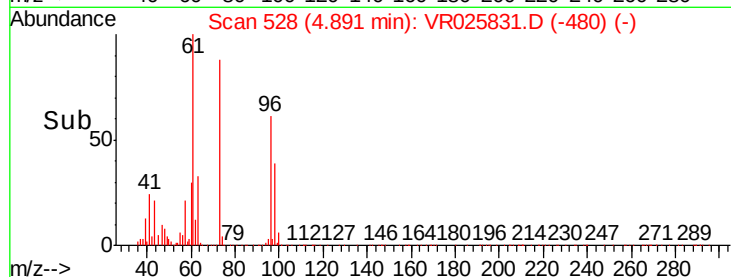
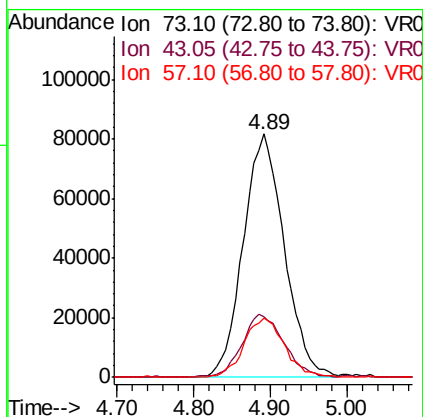
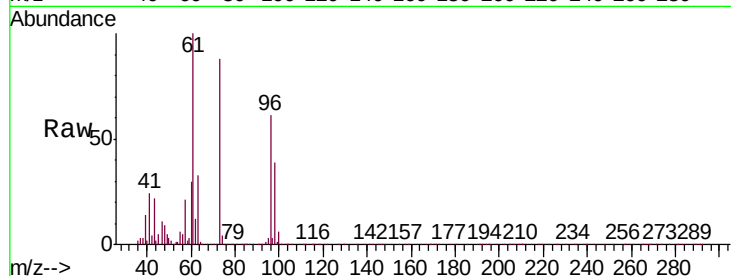
Tgt Ion: 73 Resp: 304514

Ion Ratio Lower Upper

73 100

43 26.6 19.8 29.8

57 24.3 17.9 26.9



#18

trans-1,2-Dichloroethene

Concen: 4.605 ug/L

RT: 4.88 min Scan# 526

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

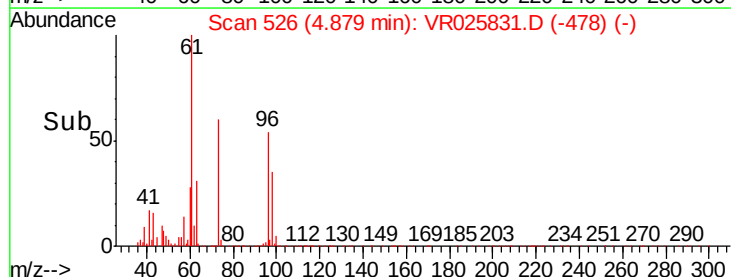
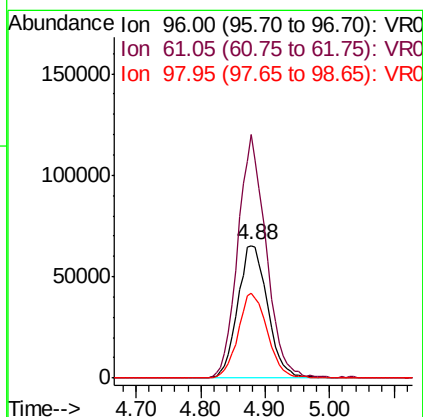
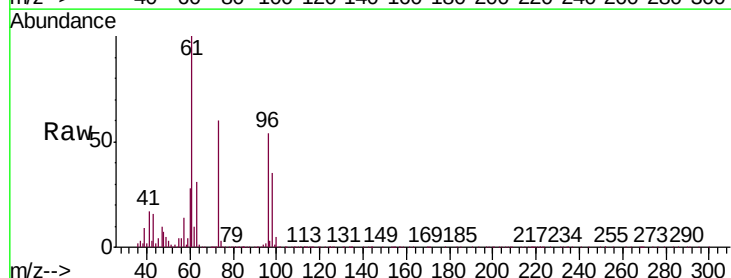
Tgt Ion: 96 Resp: 209747

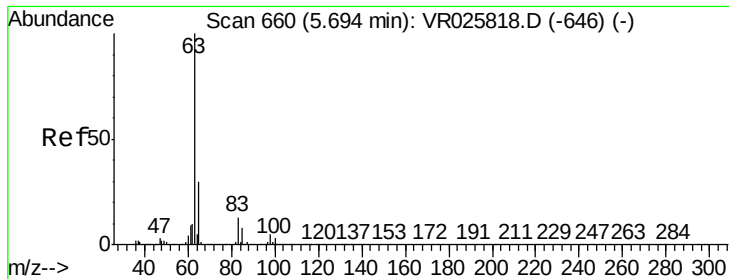
Ion Ratio Lower Upper

96 100

61 183.7 127.4 236.6

98 64.0 43.8 81.3

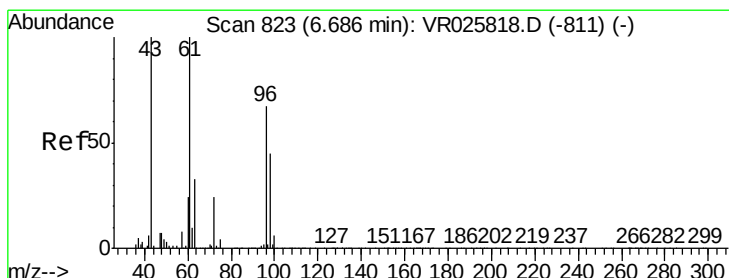
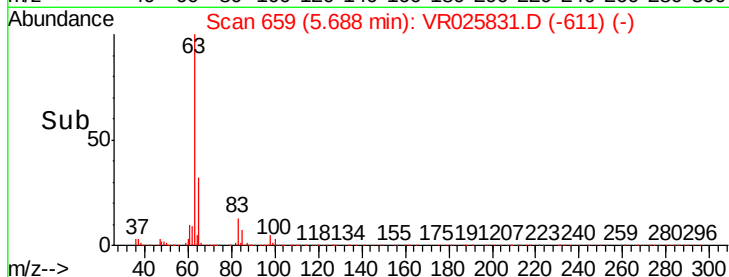
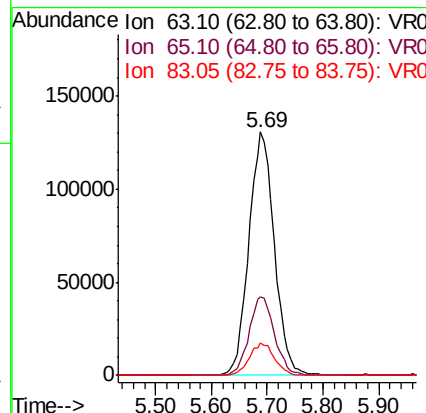
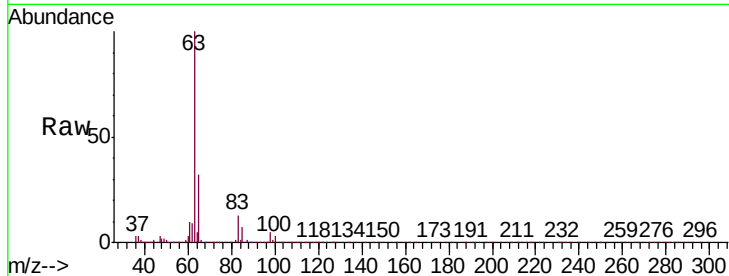




#19
 1,1-Dichloroethane
 Concen: 4.459 ug/L
 RT: 5.69 min Scan# 659
 Delta R.T. -0.01 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

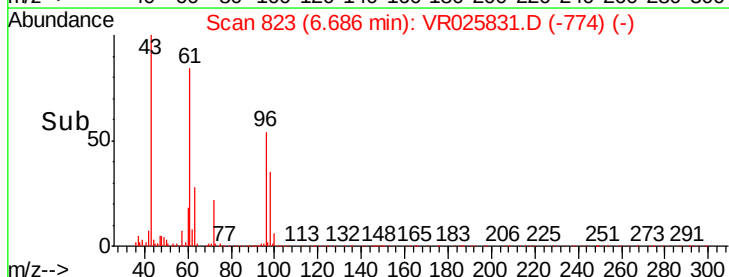
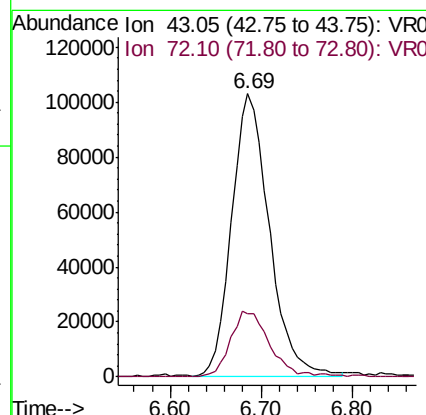
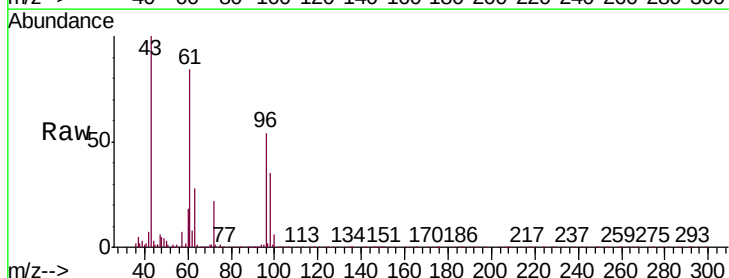
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

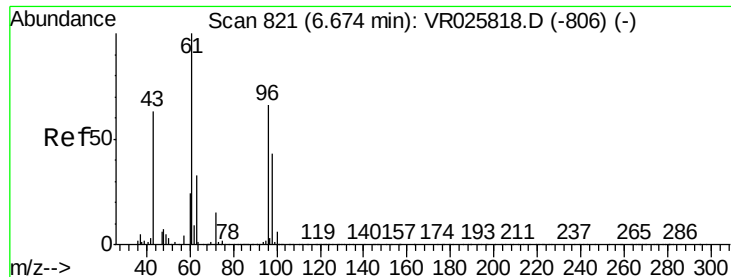
Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.1	39.1
83	13.1	8.9	16.5



#21
 2-Butanone
 Concen: 47.981 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.3	11.9	35.7





#22

cis-1,2-Dichloroethene

Concen: 4.554 ug/L

RT: 6.67 min Scan# 820

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

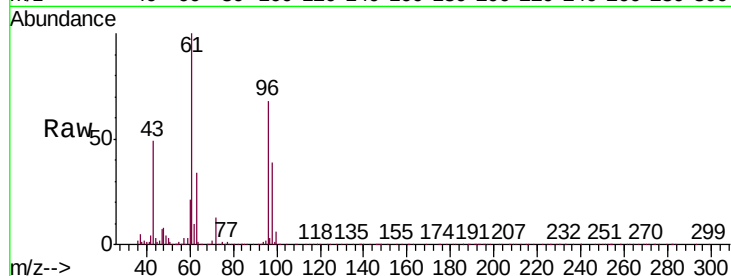
Tgt Ion: 96 Resp: 208930

Ion Ratio Lower Upper

96 100

61 148.1 108.7 201.9

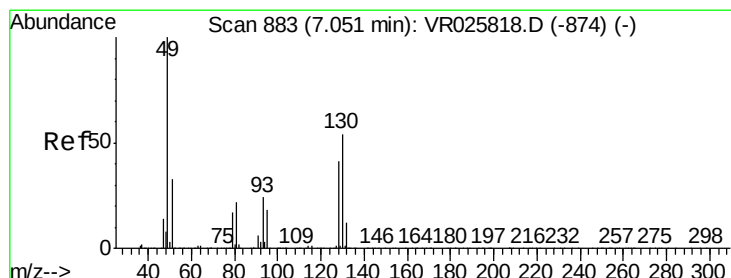
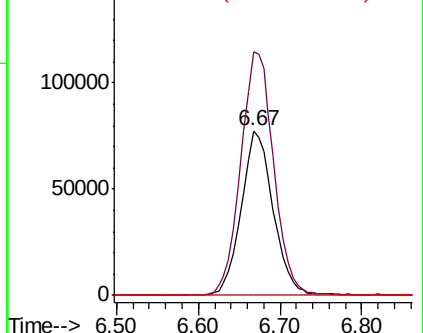
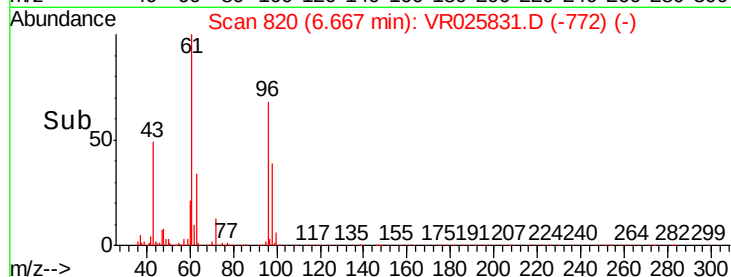
68 0.3 0.1 0.1#



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: 4.227 ug/L

RT: 7.04 min Scan# 882

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Tgt Ion: 128 Resp: 51105

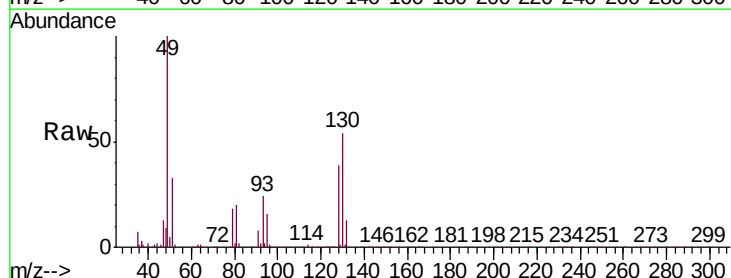
Ion Ratio Lower Upper

128 100

49 253.3 175.0 325.0

130 136.4 85.6 159.0

51 83.7 62.2 93.2

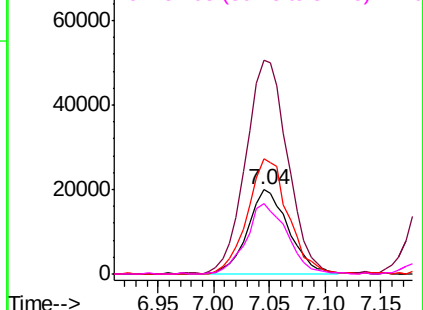
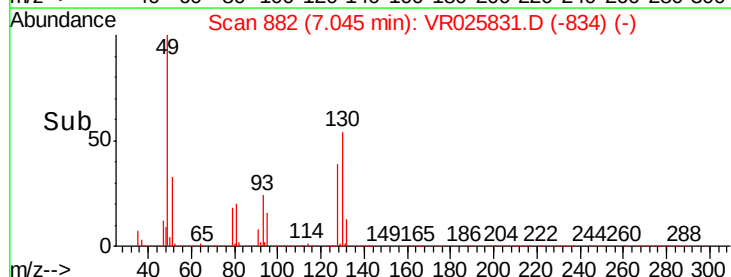


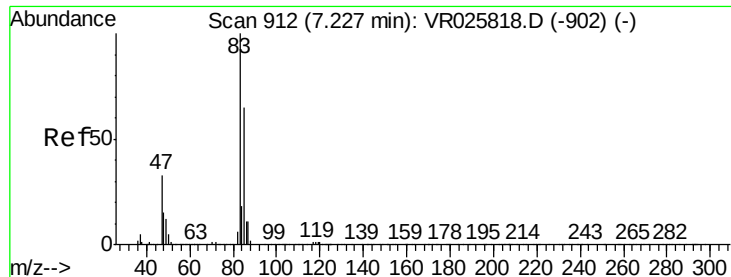
Abundance Ion 127.90 (127.60 to 128.60): V

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

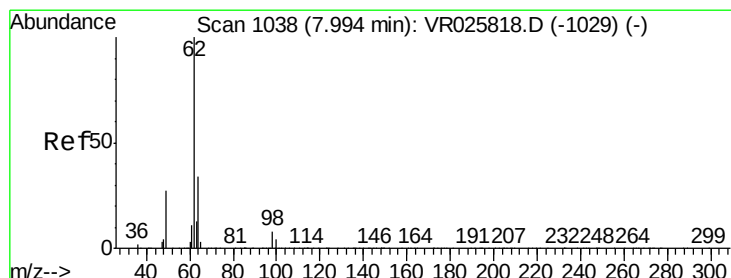
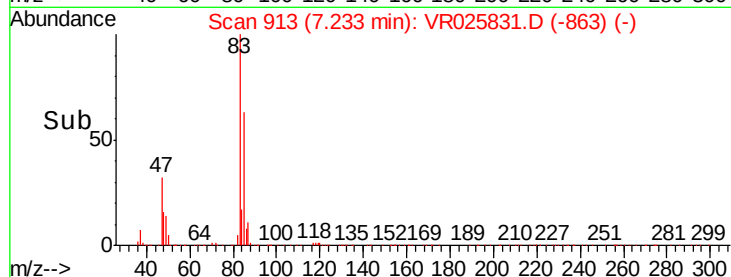
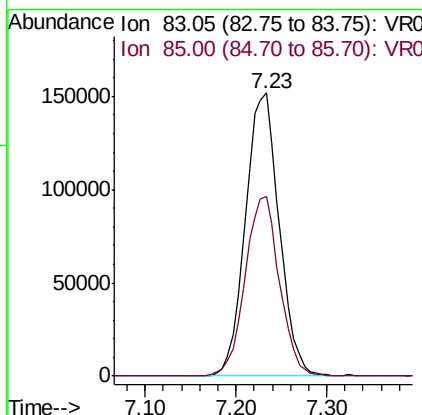
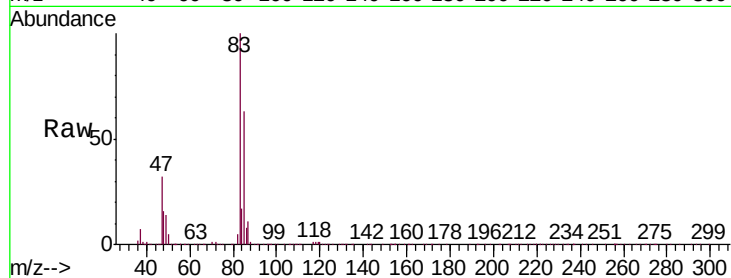




#25
Chloroform
Concen: 4.560 ug/L
RT: 7.23 min Scan# 913
Delta R.T. 0.01 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

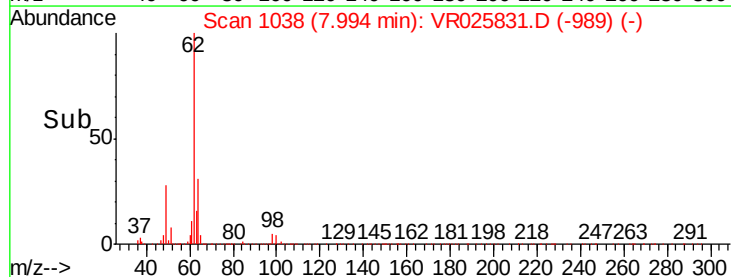
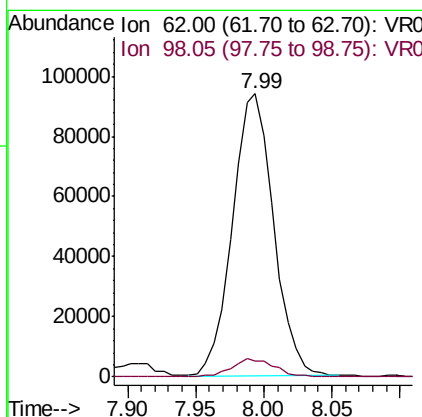
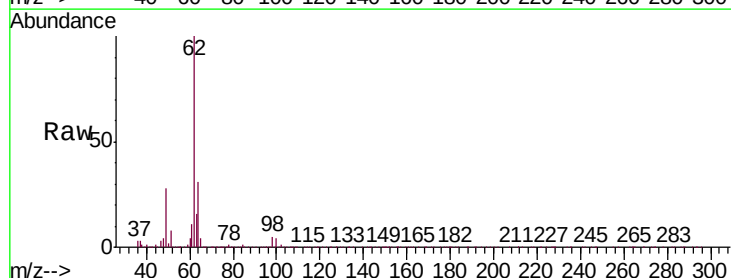
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

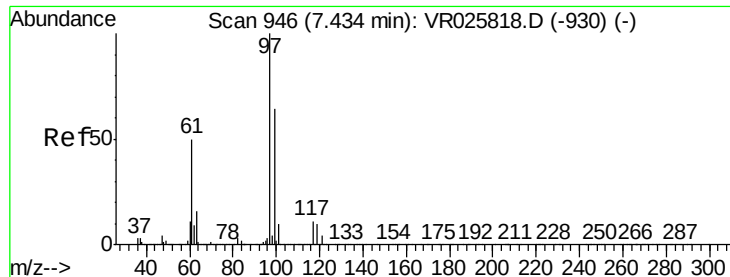
Tgt Ion: 83 Resp: 390395
Ion Ratio Lower Upper
83 100
85 63.3 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.466 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

Tgt Ion: 62 Resp: 197634
Ion Ratio Lower Upper
62 100
98 5.4 5.2 7.8





#29

1,1,1-Trichloroethane

Concen: 4.210 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

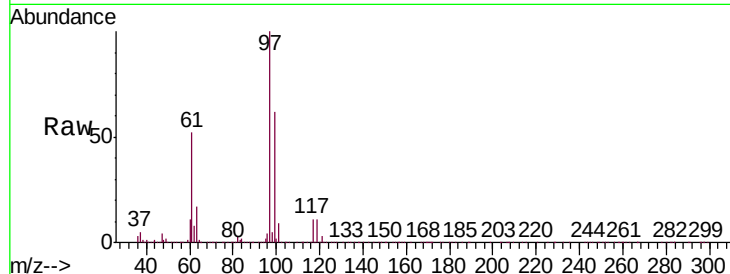
Tgt Ion: 97 Resp: 325994

Ion Ratio Lower Upper

97 100

99 63.6 51.0 76.6

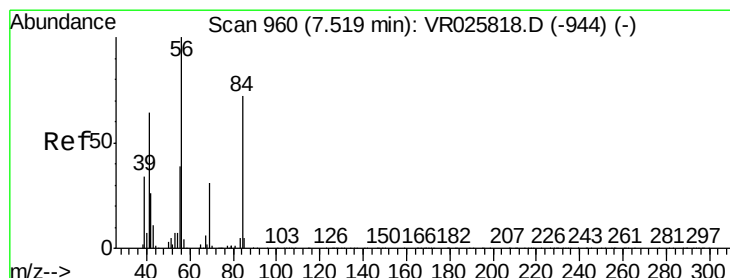
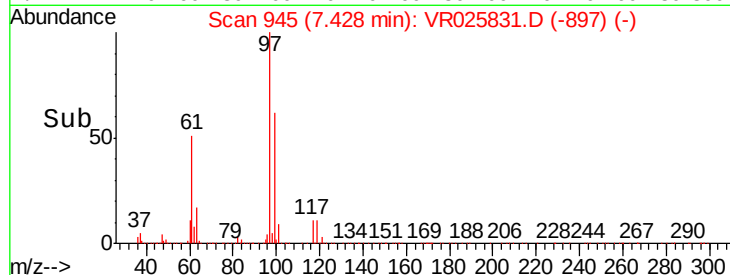
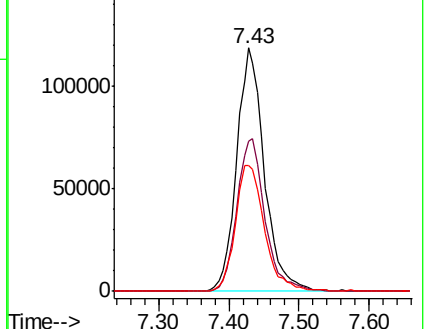
61 54.7 41.6 62.4



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: 4.461 ug/L

RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

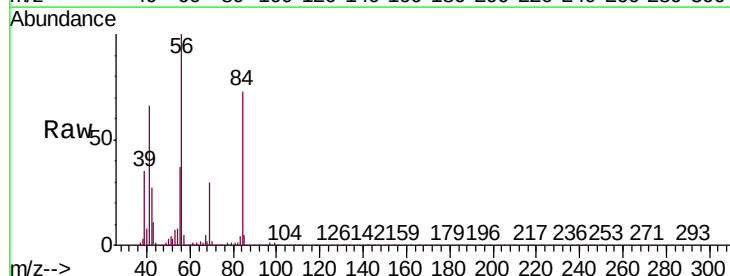
Tgt Ion: 56 Resp: 411808

Ion Ratio Lower Upper

56 100

69 29.9 24.8 37.2

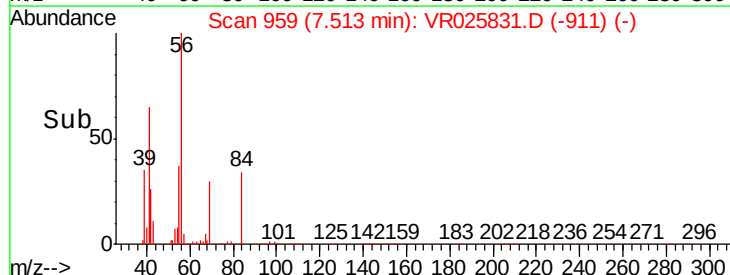
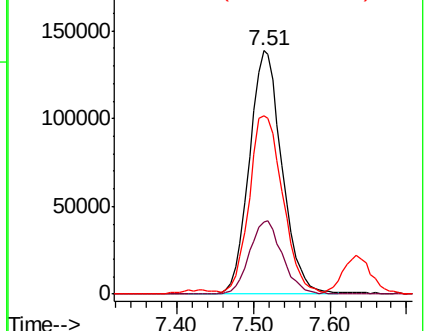
84 75.4 59.8 89.8

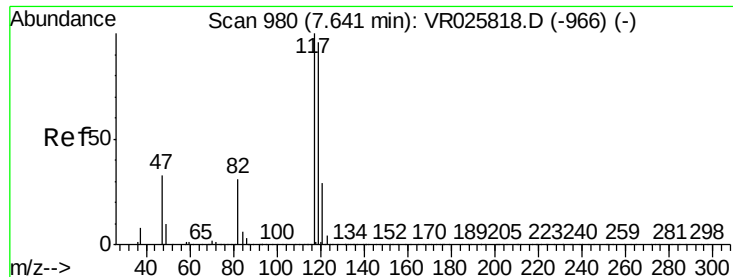


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.272 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

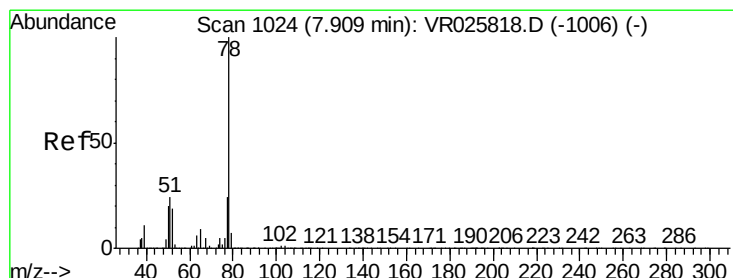
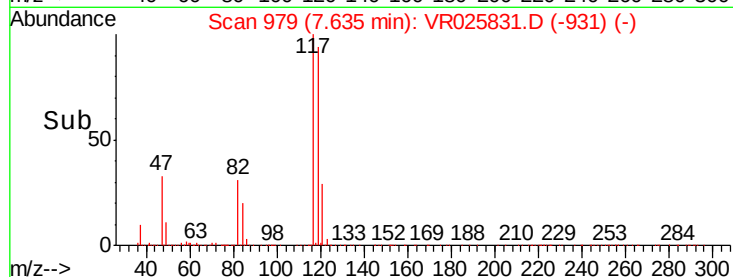
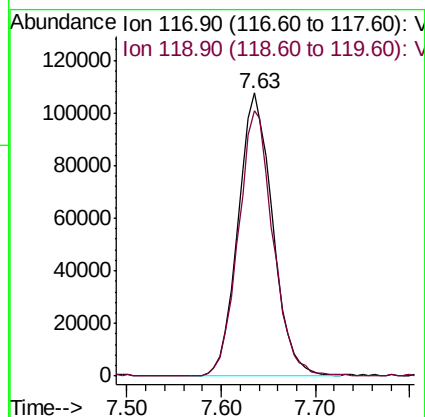
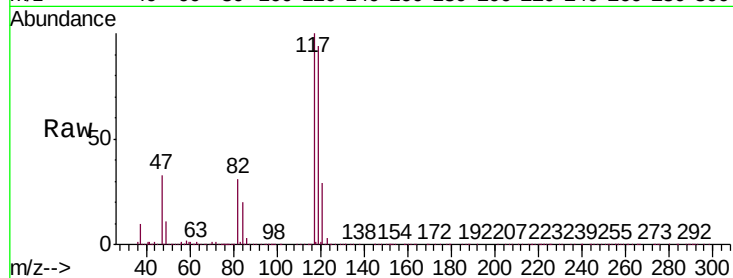
VSTD00582

Tgt Ion:117 Resp: 272185

Ion Ratio Lower Upper

117 100

119 94.4 75.6 113.4



#33

Benzene

Concen: 4.545 ug/L

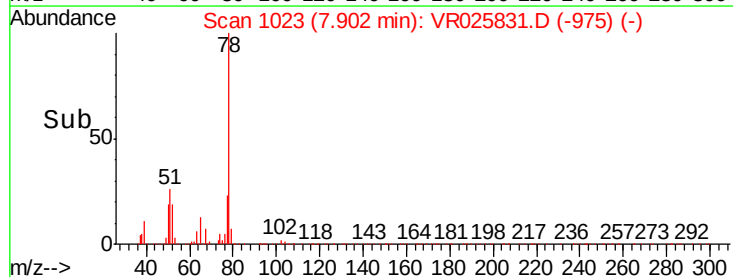
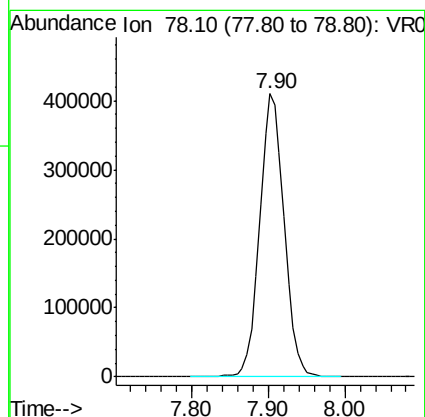
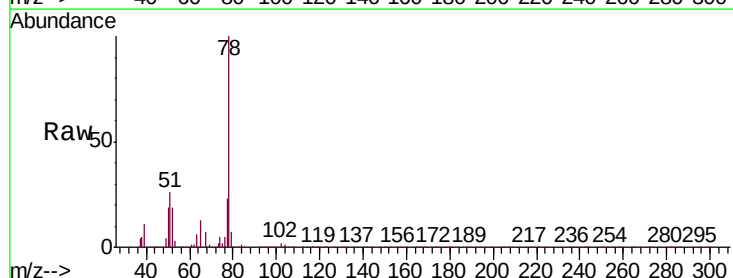
RT: 7.90 min Scan# 1023

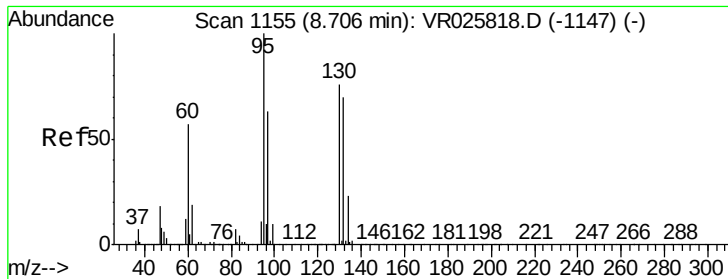
Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Tgt Ion: 78 Resp: 914772





#34

Trichloroethene

Concen: 4.377 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 233810

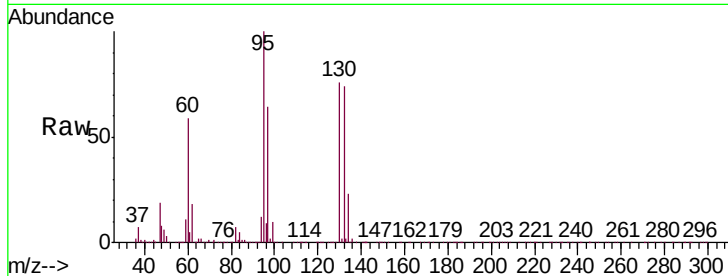
Ion Ratio Lower Upper

95 100

97 64.2 43.9 81.5

132 73.8 53.3 98.9

130 76.4 53.8 99.8

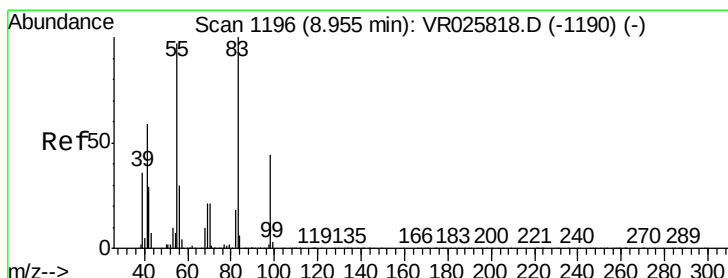
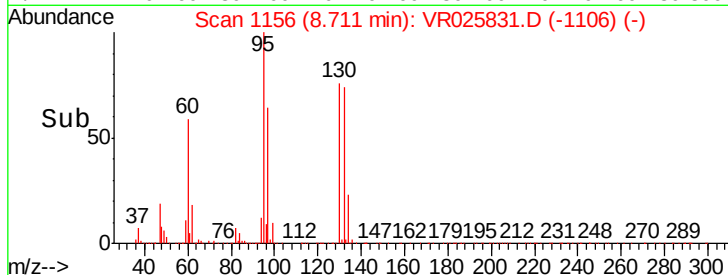
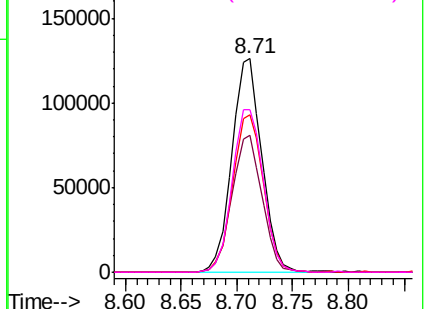


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 4.426 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

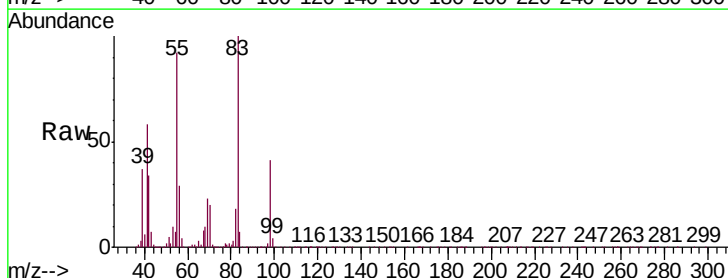
Tgt Ion: 83 Resp: 387716

Ion Ratio Lower Upper

83 100

55 89.5 71.8 107.6

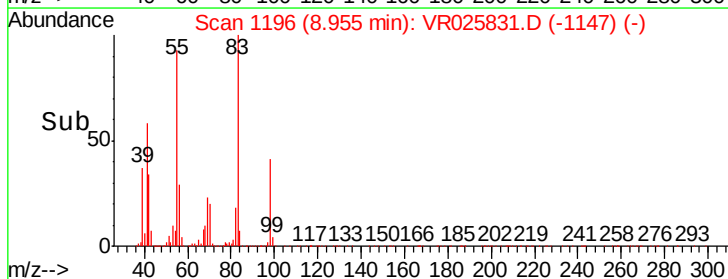
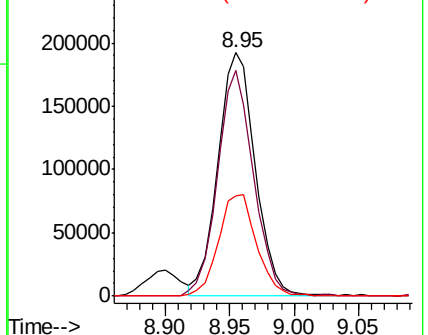
98 42.9 34.2 51.4

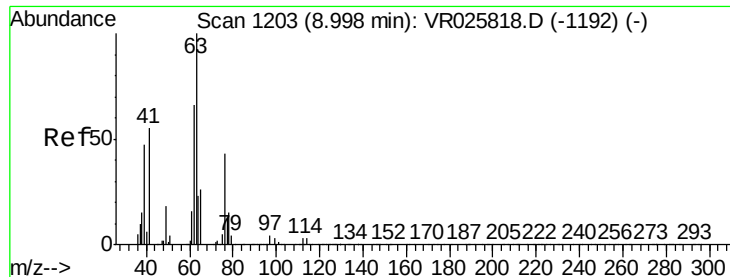


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

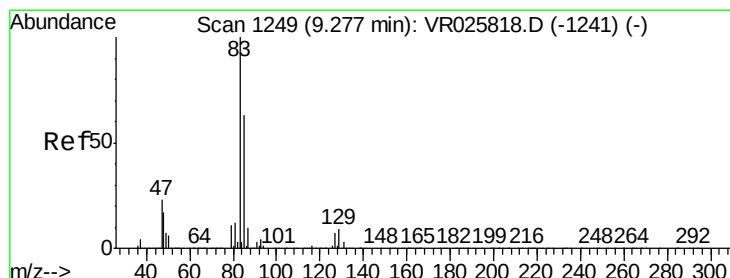
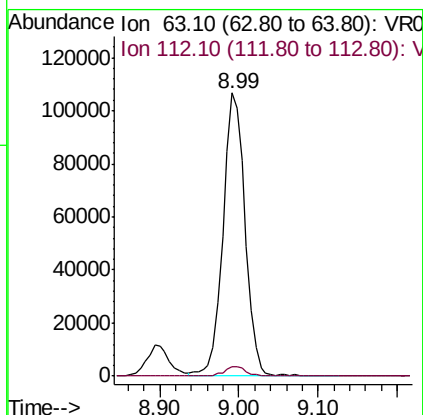
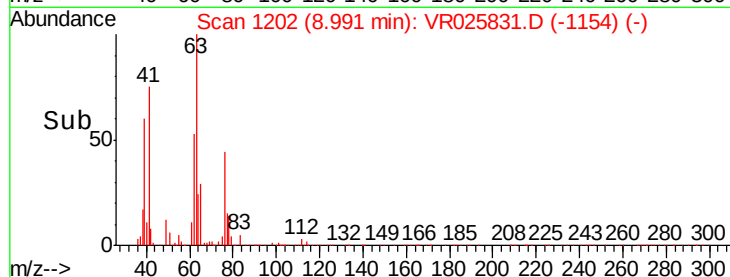
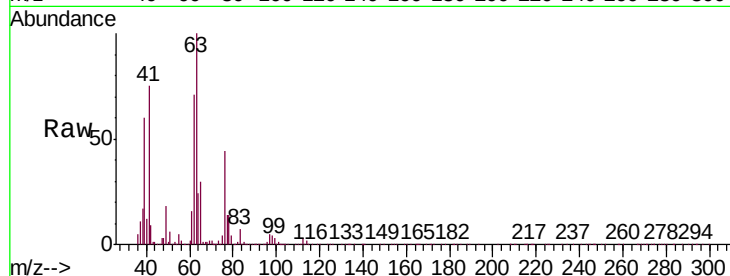




#37
 1,2-Dichloropropane
 Concen: 4.613 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

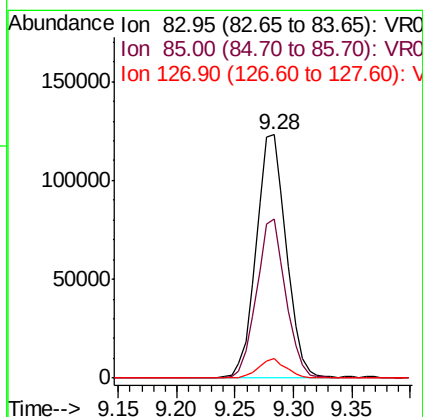
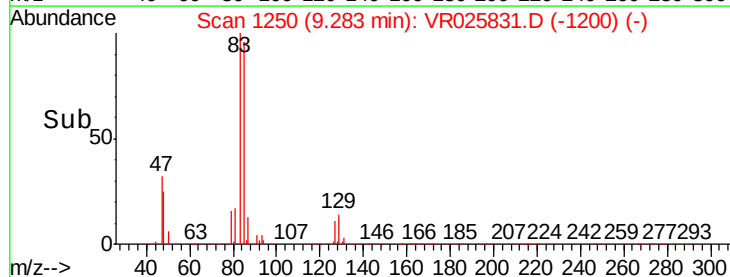
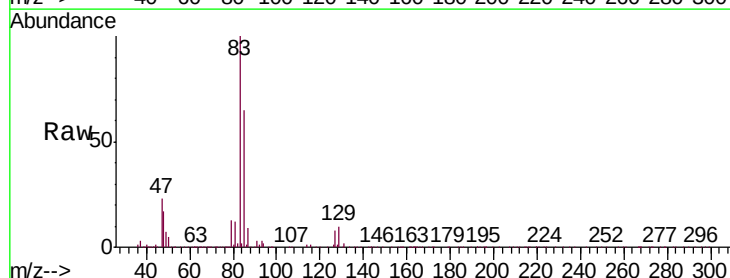
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

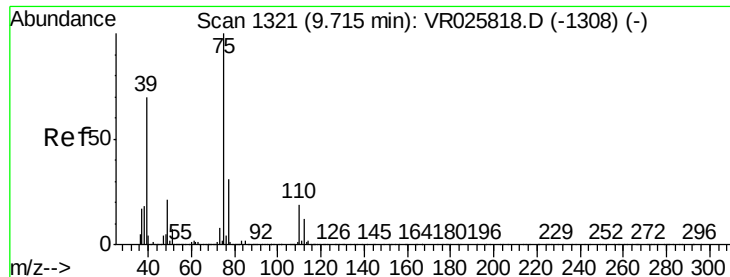
Tgt Ion: 63 Resp: 207028
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.5 3.7



#38
 Bromodichloromethane
 Concen: 4.441 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. 0.01 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Tgt Ion: 83 Resp: 220058
 Ion Ratio Lower Upper
 83 100
 85 65.3 42.8 79.4
 127 7.8 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 4.604 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. 0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

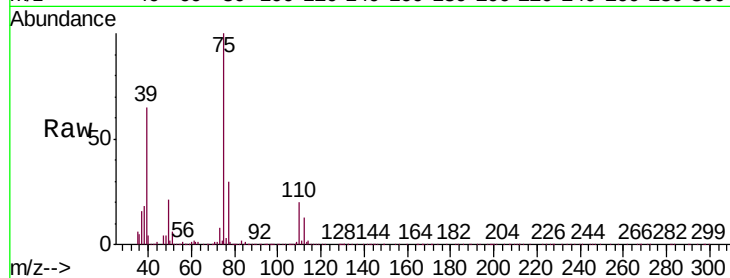
VSTD00582

Tgt Ion: 75 Resp: 252927

Ion Ratio Lower Upper

75 100

77 30.2 21.5 39.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

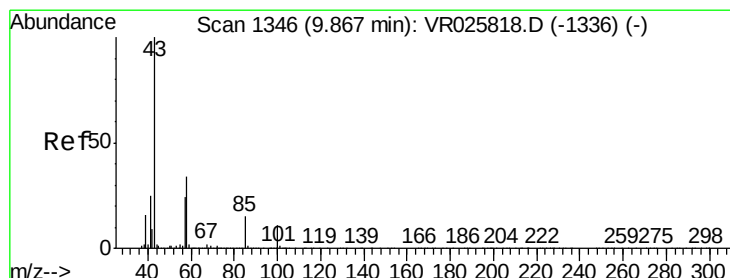
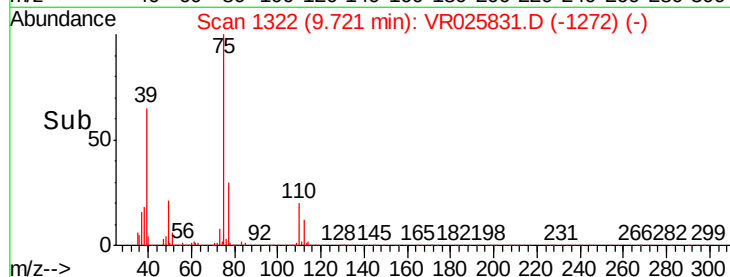
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.082 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

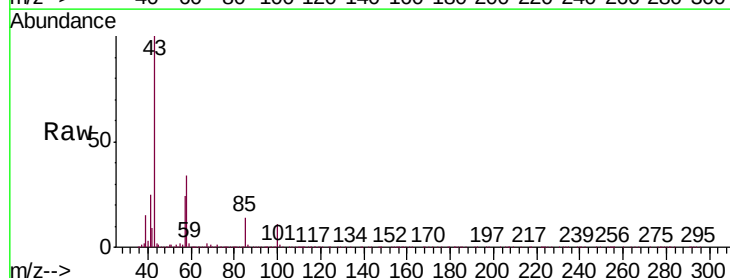
Tgt Ion: 43 Resp: 766854

Ion Ratio Lower Upper

43 100

58 34.9 28.6 43.0

100 10.7 9.0 13.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 100.15 (99.85 to 100.85): VR0

600000

500000

400000

300000

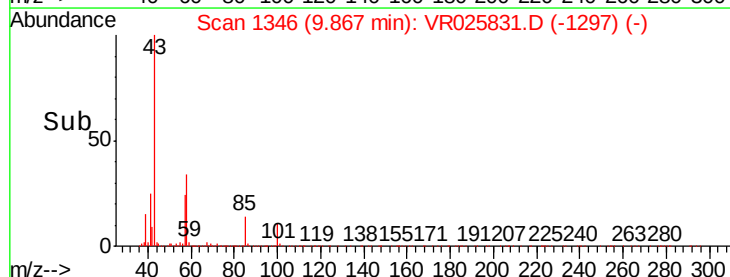
200000

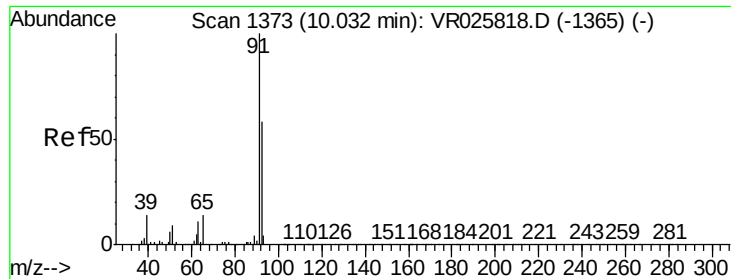
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.686 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

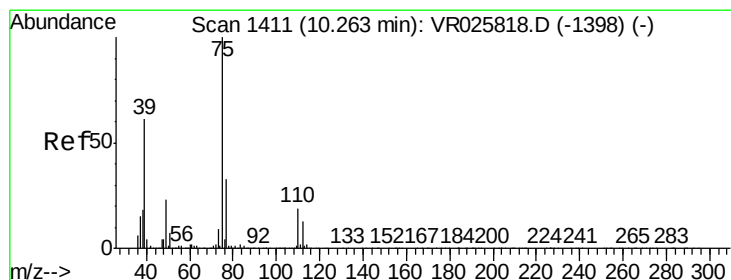
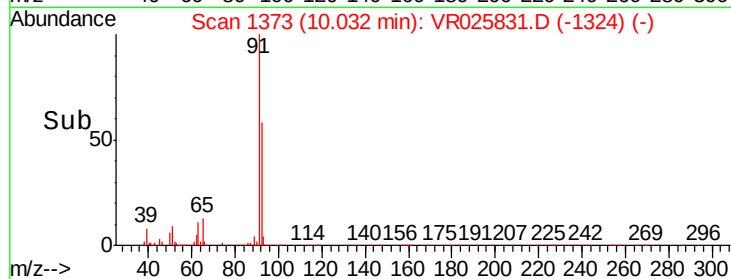
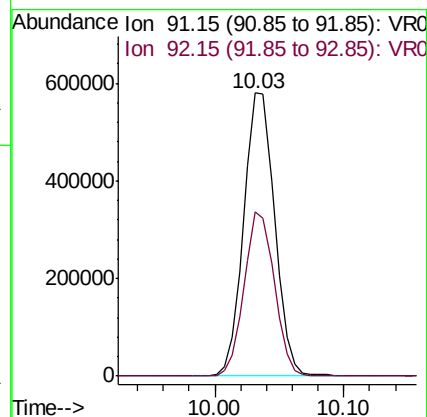
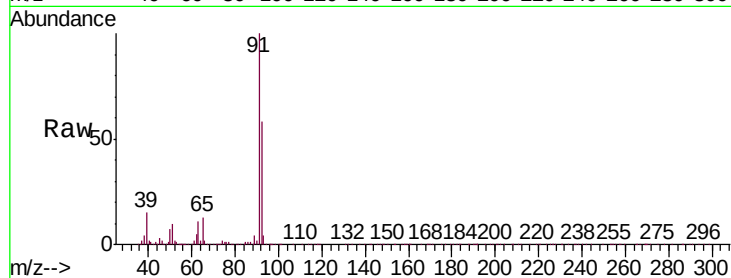
VSTD00582

Tgt Ion: 91 Resp: 961199

Ion Ratio Lower Upper

91 100

92 58.0 41.8 77.6



#44

trans-1,3-Dichloropropene

Concen: 4.545 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025831.D

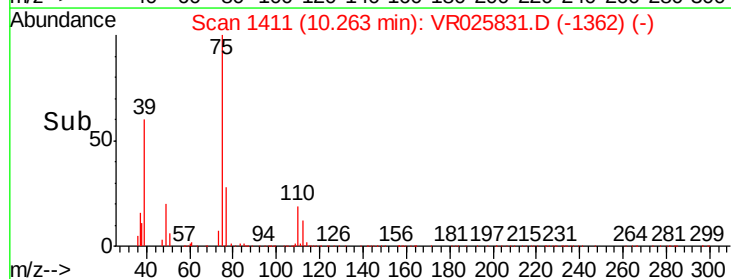
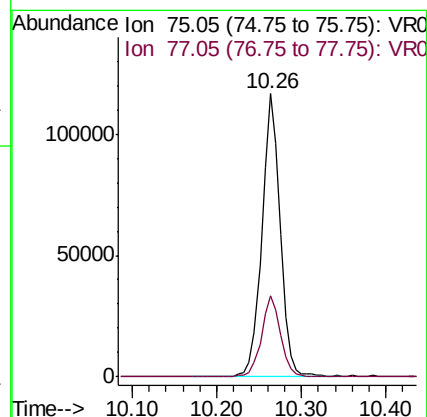
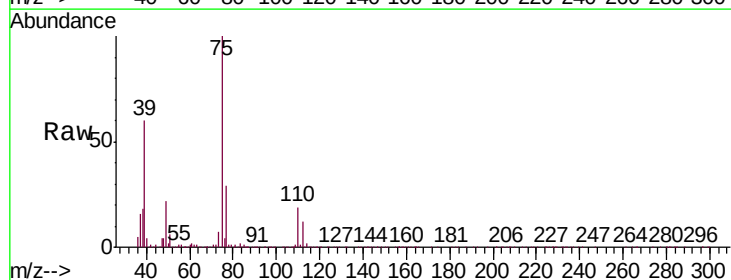
Acq: 24 Sep 2018 19:48

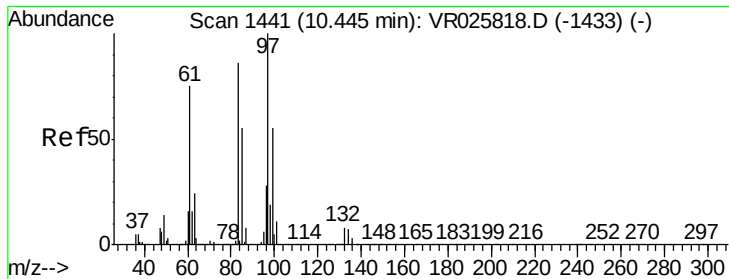
Tgt Ion: 75 Resp: 173046

Ion Ratio Lower Upper

75 100

77 28.7 23.0 42.8

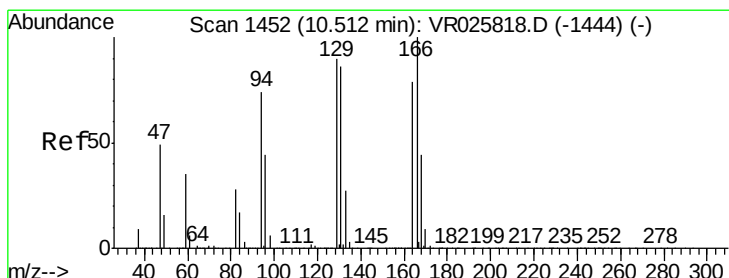
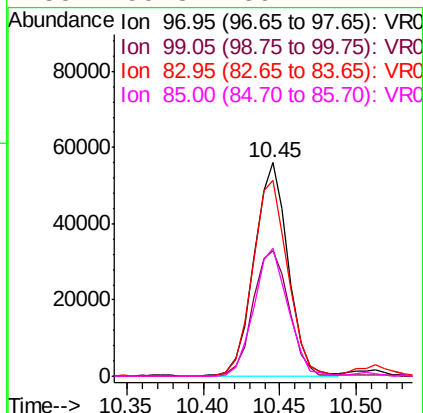
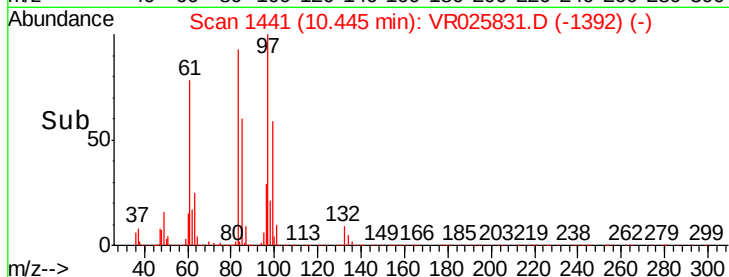
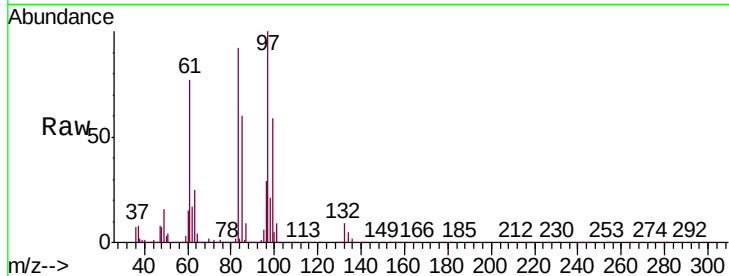




#45
 1,1,2-Trichloroethane
 Concen: 4.576 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

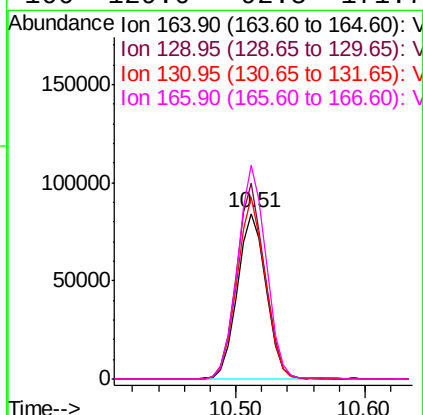
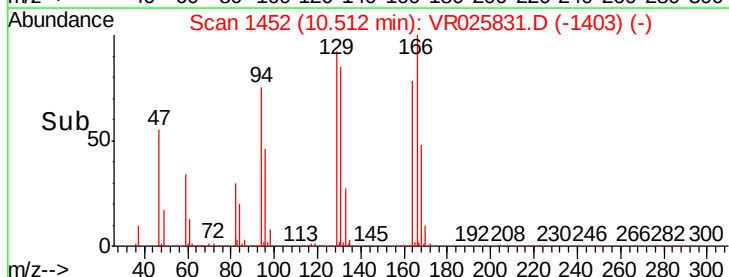
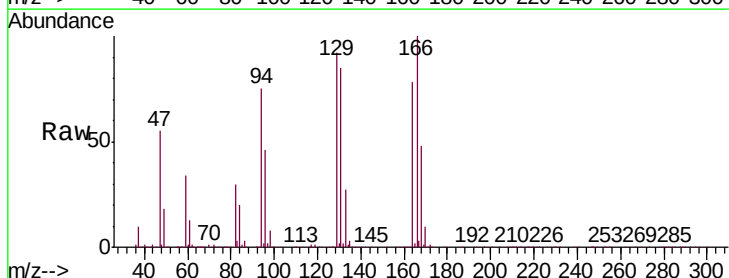
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

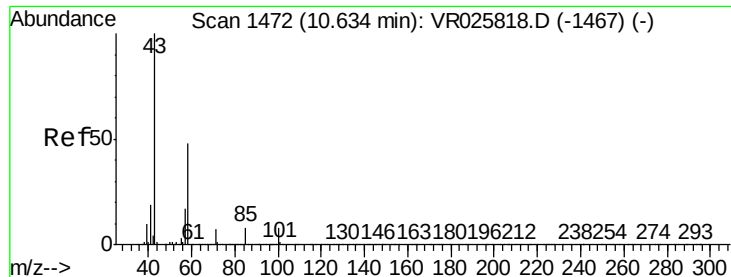
Tgt Ion:	97	Resp:	86094
Ion	Ratio	Lower	Upper
97	100		
99	59.0	39.6	73.6
83	91.9	62.2	115.6
85	59.8	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.252 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Tgt Ion:	164	Resp:	129902
Ion	Ratio	Lower	Upper
164	100		
129	118.0	80.8	150.2
131	109.7	74.5	138.3
166	129.0	92.5	171.7

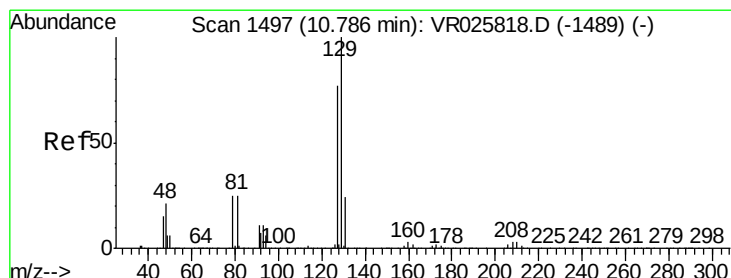
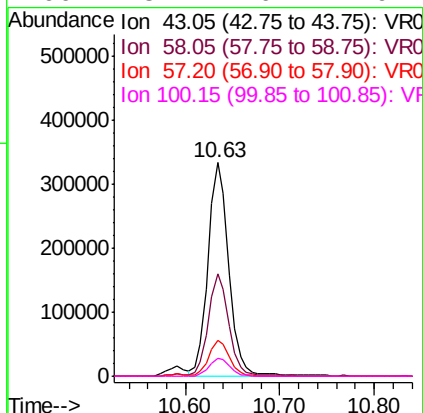
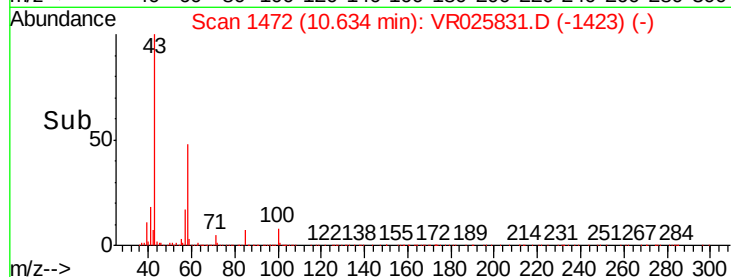
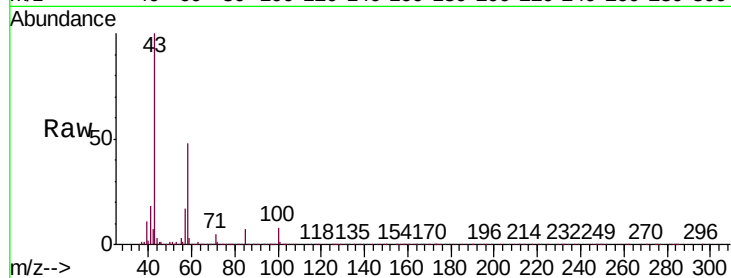




#48
2-Hexanone
Concen: 49.588 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

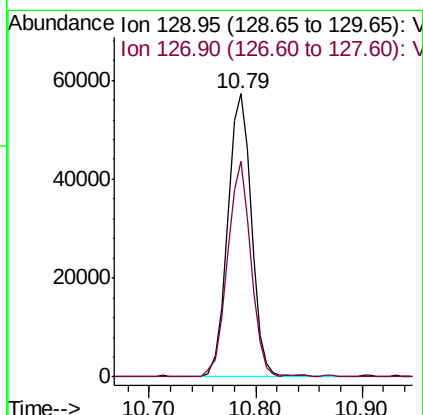
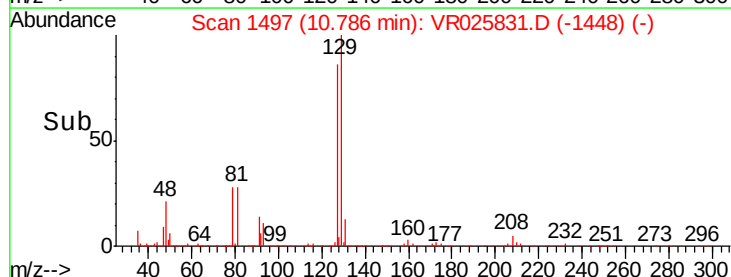
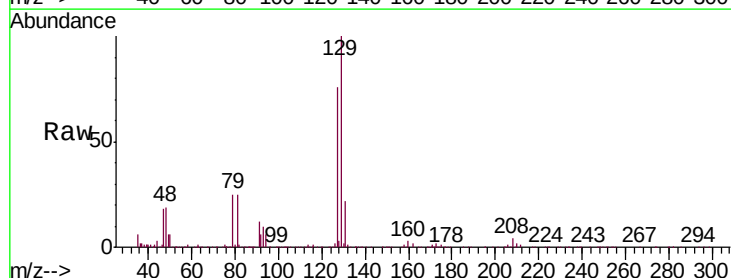
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

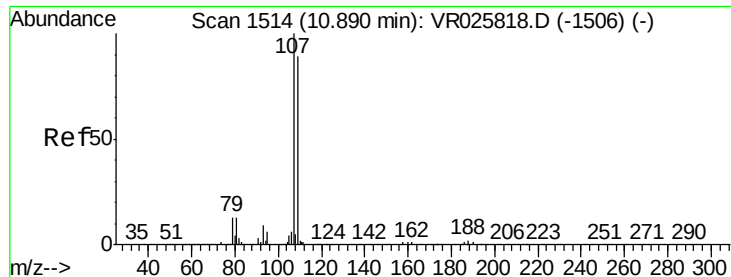
Tgt Ion:	43	Resp:	509516
Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.5	59.3
57	16.7	14.6	21.8
100	8.4	6.7	10.1



#49
Dibromochloromethane
Concen: 4.585 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

Tgt Ion:	129	Resp:	89871
Ion	Ratio	Lower	Upper
129	100		
127	76.0	54.1	100.5

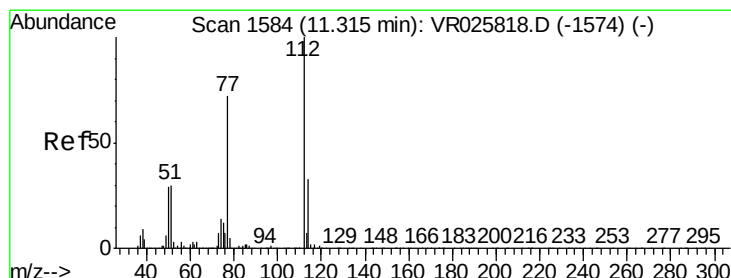
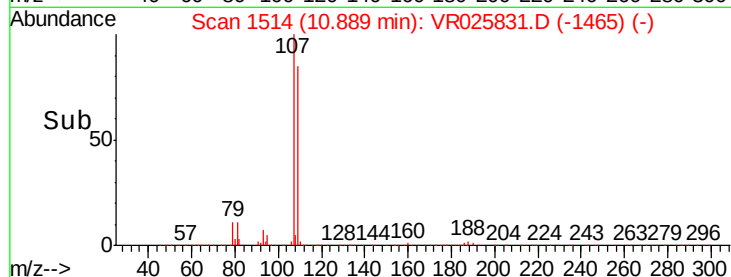
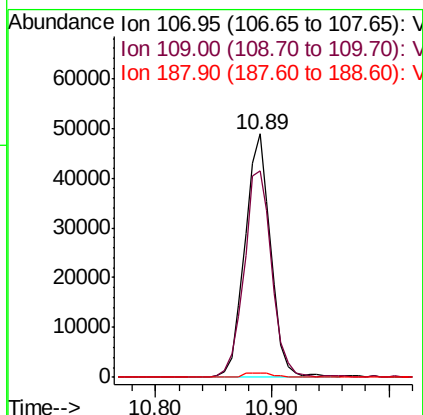
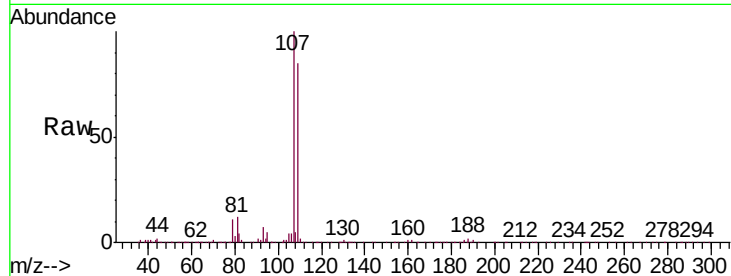




#50
1,2-Dibromoethane
Concen: 4.537 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

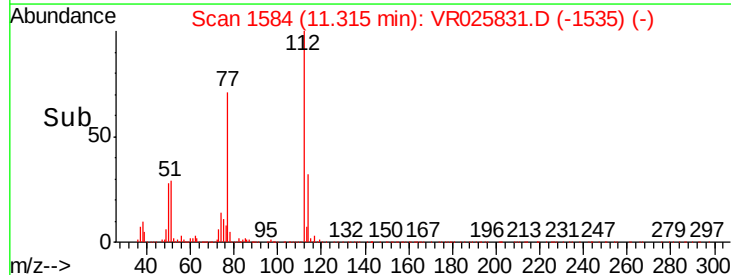
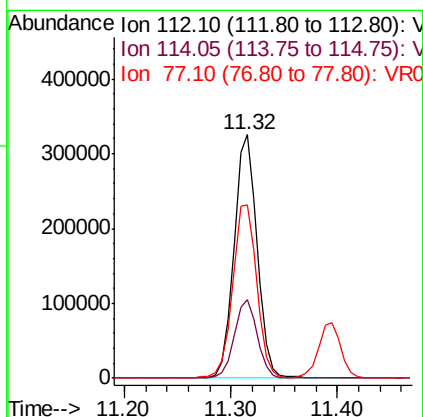
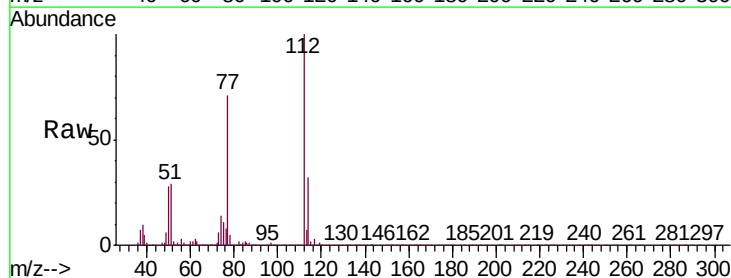
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

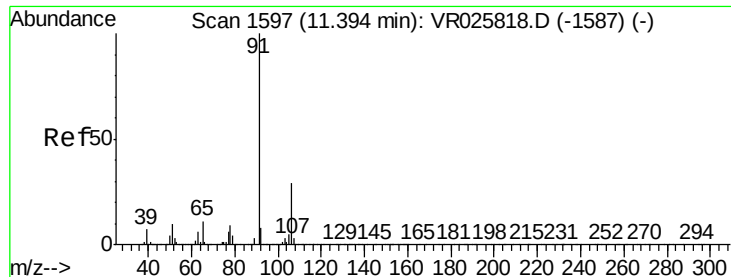
Tgt Ion:107 Resp: 75123
Ion Ratio Lower Upper
107 100
109 84.9 63.5 117.9
188 1.7 1.7 2.5



#51
Chlorobenzene
Concen: 4.583 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

Tgt Ion:112 Resp: 493193
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 71.3 58.5 87.7





#52

Ethylbenzene

Concen: 4.719 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

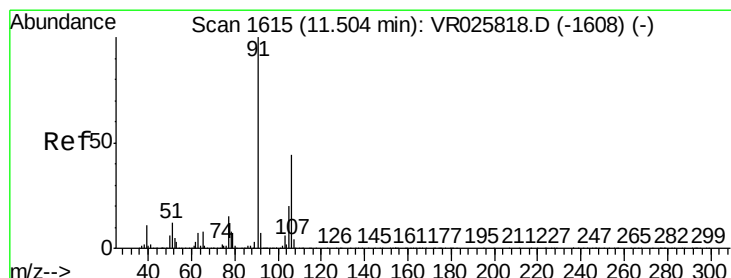
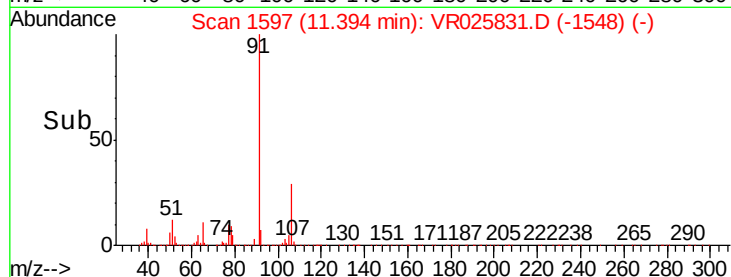
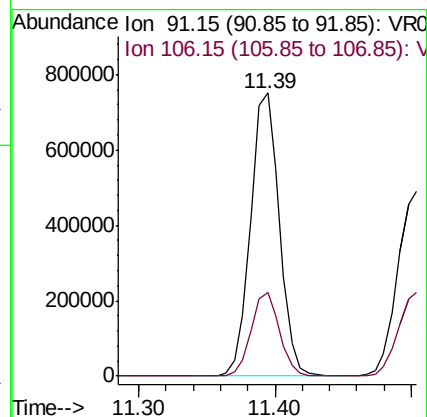
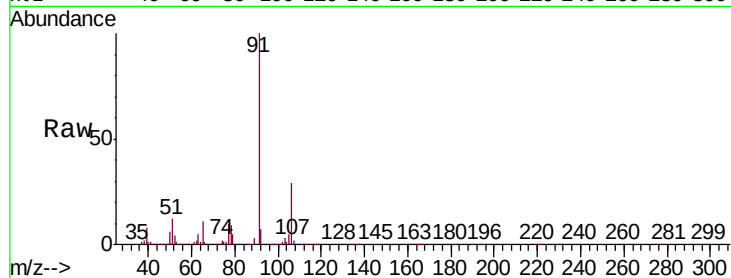
VSTD00582

Tgt Ion: 91 Resp: 1113814

Ion Ratio Lower Upper

91 100

106 29.4 20.6 38.4



#53

m,p-Xylene

Concen: 4.573 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025831.D

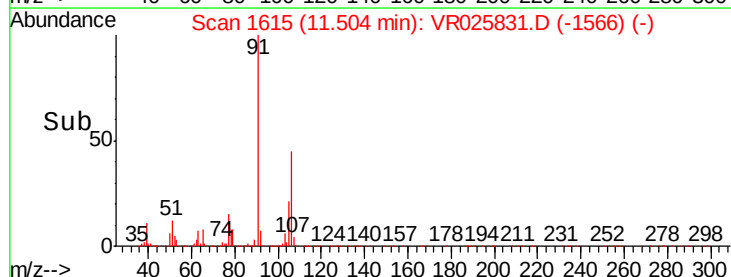
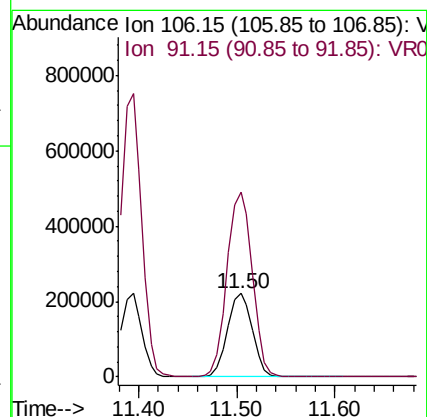
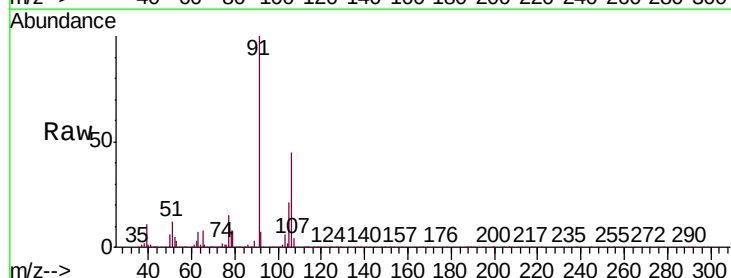
Acq: 24 Sep 2018 19:48

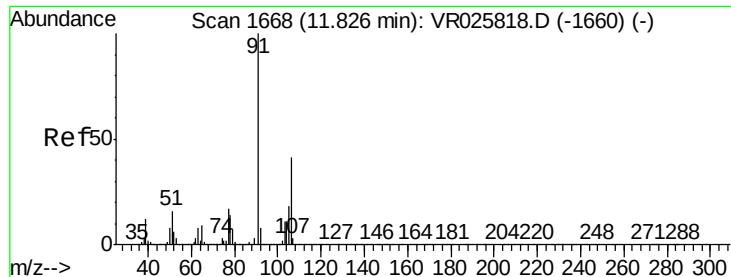
Tgt Ion: 106 Resp: 389216

Ion Ratio Lower Upper

106 100

91 222.8 159.7 296.5

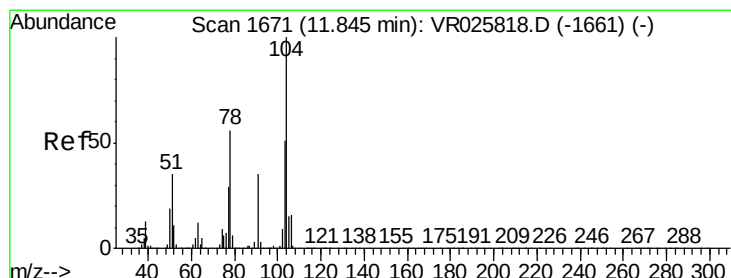
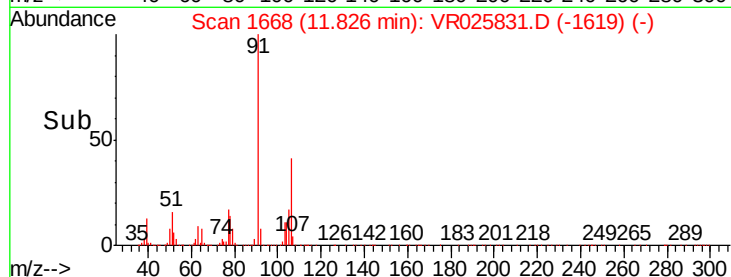
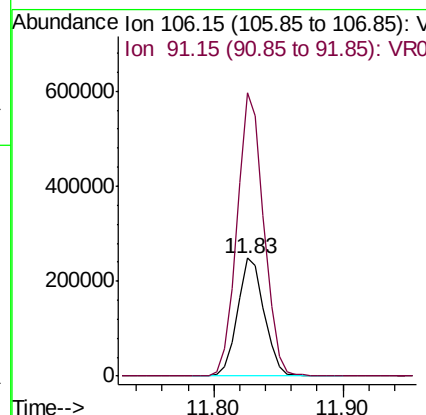
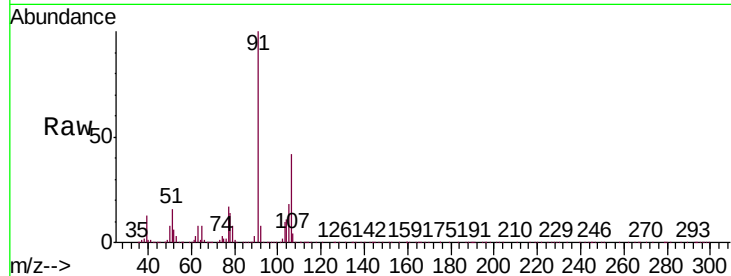




#54
o-Xylene
Concen: 4.602 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

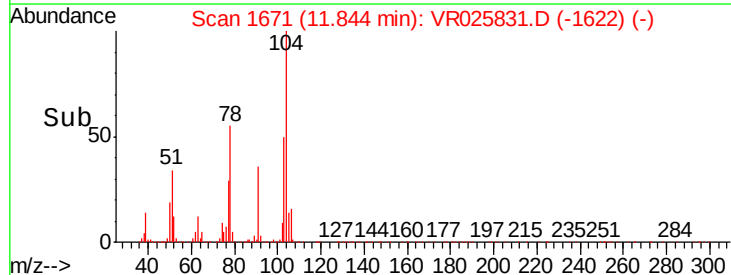
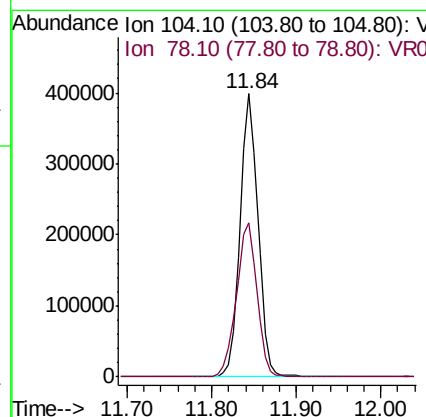
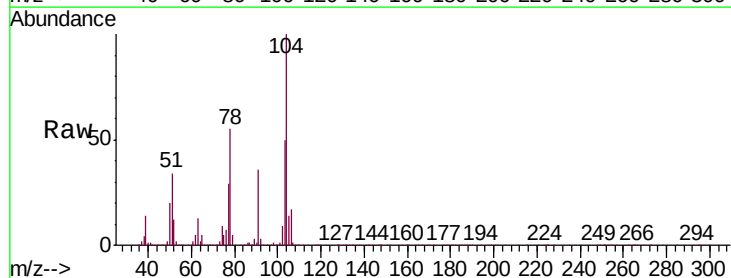
Instrument :
MSVOA_R
ClientSampled :
VSTD00582

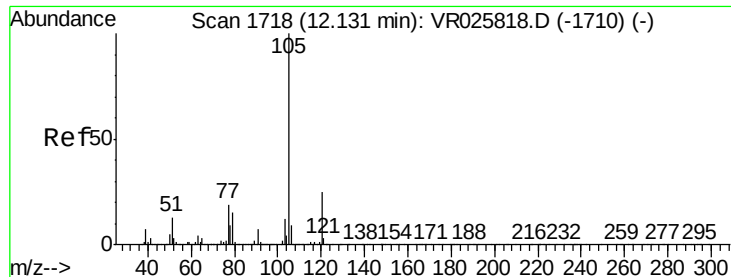
Tgt Ion:106 Resp: 358625
Ion Ratio Lower Upper
106 100
91 240.5 164.5 305.5



#55
Styrene
Concen: 4.739 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025831.D
Acq: 24 Sep 2018 19:48

Tgt Ion:104 Resp: 572165
Ion Ratio Lower Upper
104 100
78 54.6 39.3 72.9





#56

Isopropylbenzene

Concen: 4.702 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

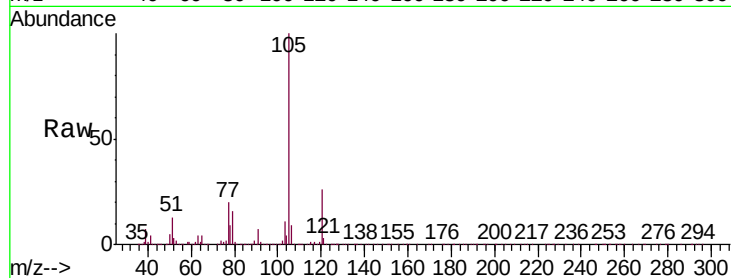
Tgt Ion: 105 Resp: 1025489

Ion Ratio Lower Upper

105 100

120 24.7 19.8 29.8

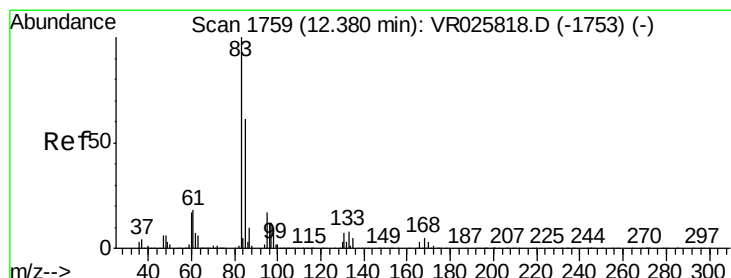
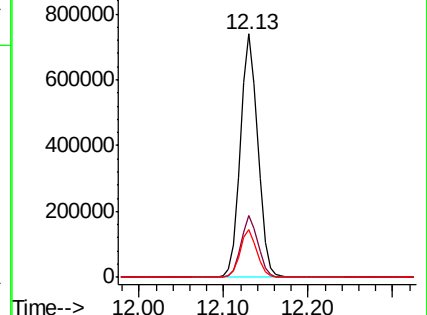
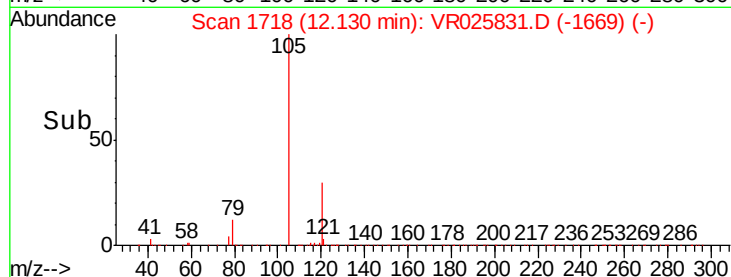
77 19.2 15.5 23.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.821 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

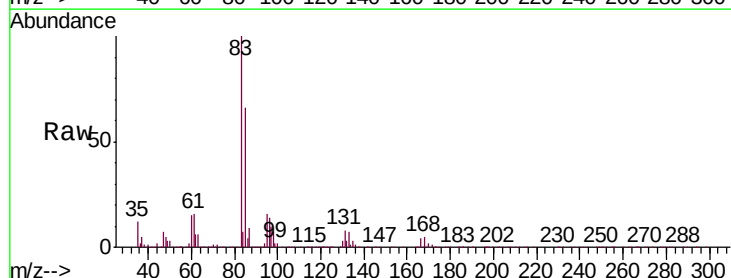
Tgt Ion: 83 Resp: 89009

Ion Ratio Lower Upper

83 100

85 66.4 45.8 85.0

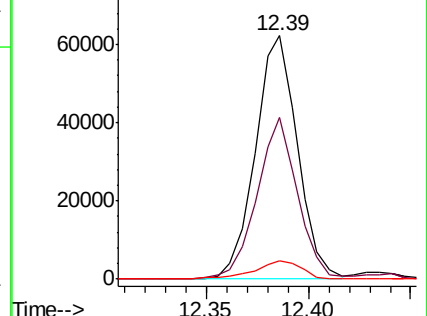
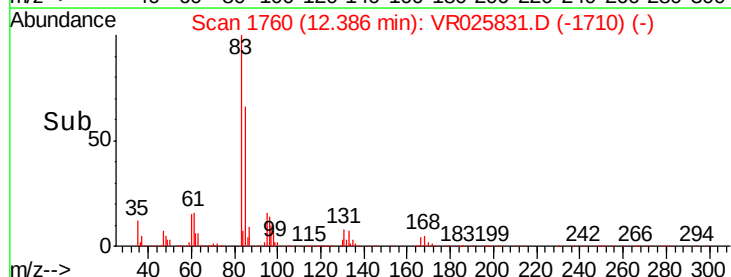
131 7.7 6.6 9.8

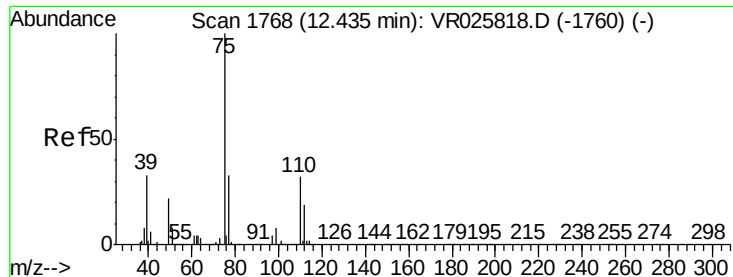


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.660 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampled :

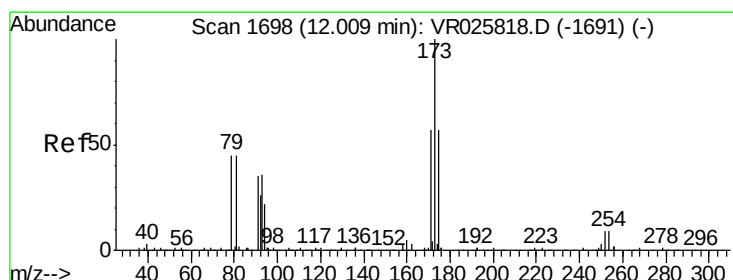
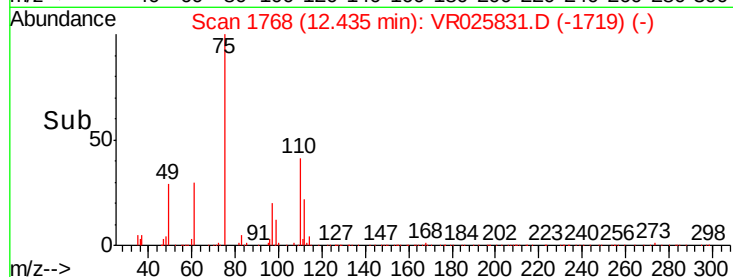
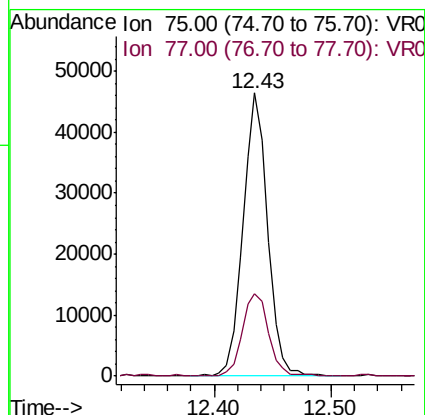
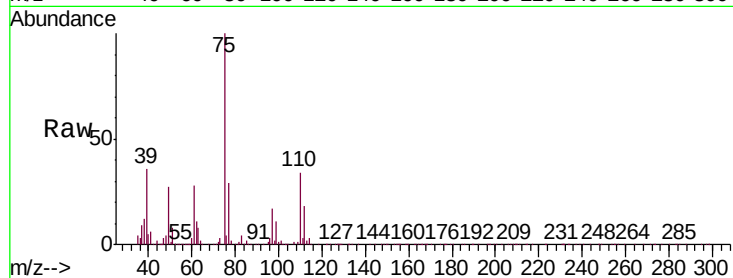
VSTD00582

Tgt Ion: 75 Resp: 68306

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.6



#61

Bromoform

Concen: 4.328 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

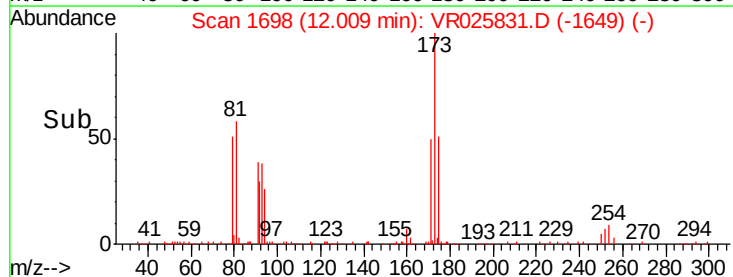
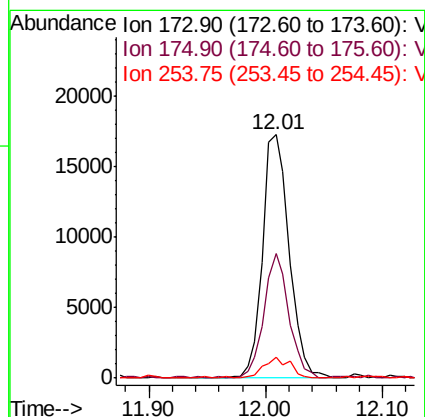
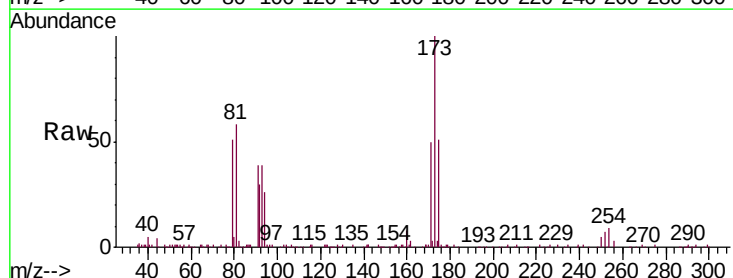
Tgt Ion: 173 Resp: 27420

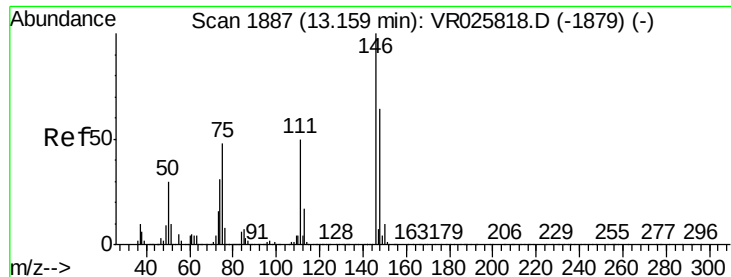
Ion Ratio Lower Upper

173 100

175 47.7 36.9 55.3

254 8.4 6.6 10.0





#62

1,3-Dichlorobenzene

Concen: 4.482 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampled :

VSTD00582

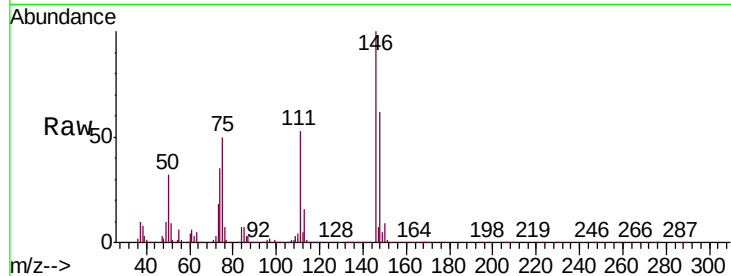
Tgt Ion:146 Resp: 281544

Ion Ratio Lower Upper

146 100

111 52.8 36.6 68.0

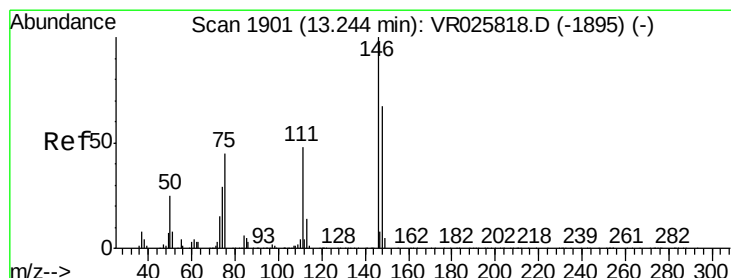
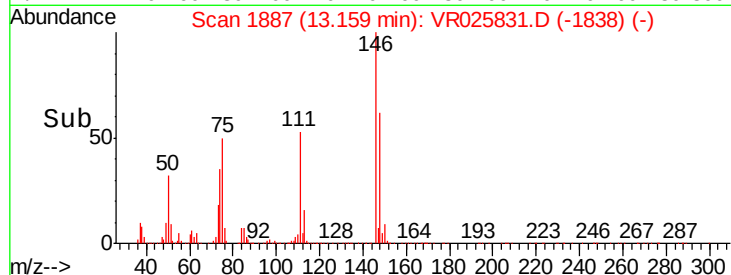
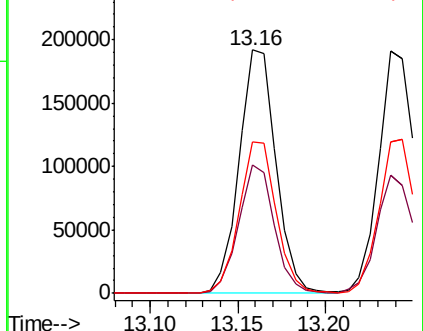
148 62.3 41.9 77.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.513 ug/L

RT: 13.24 min Scan# 1900

Delta R.T. -0.01 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

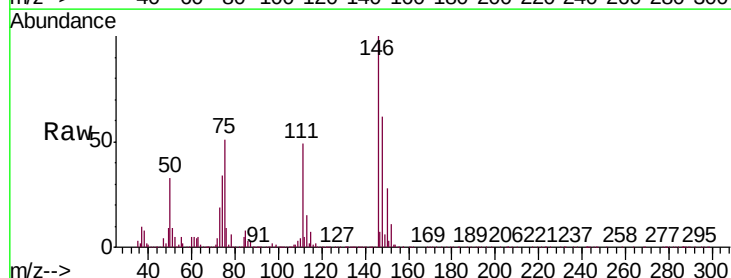
Tgt Ion:146 Resp: 273653

Ion Ratio Lower Upper

146 100

111 48.9 32.9 61.1

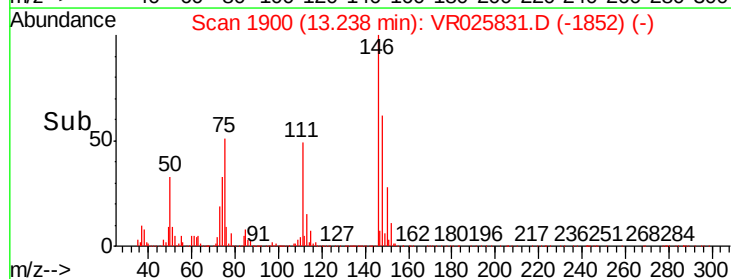
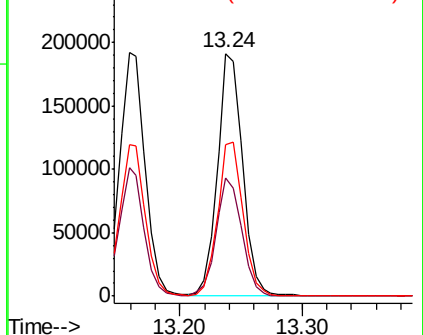
148 62.2 45.5 84.5

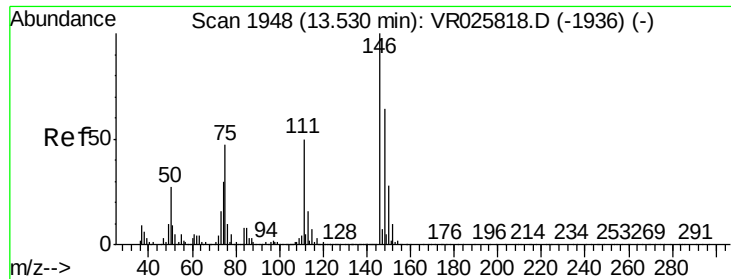


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

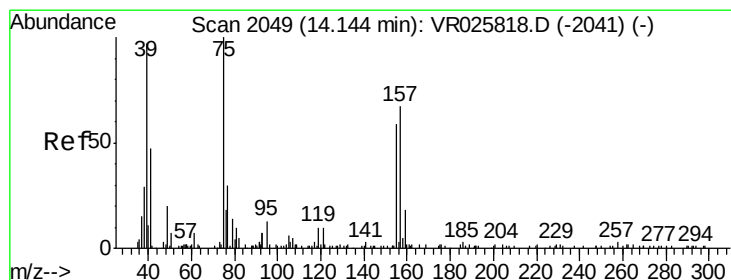
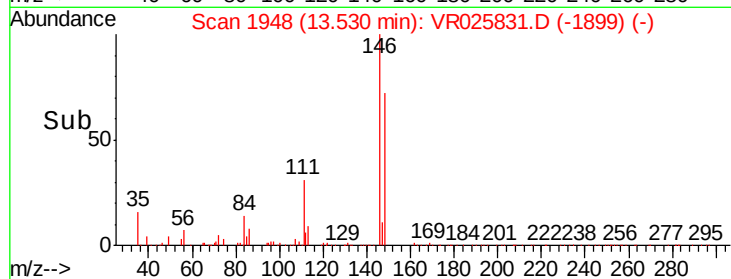
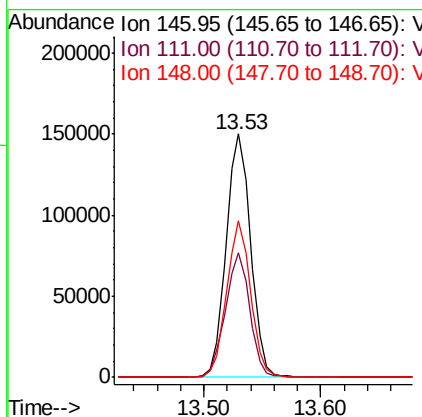
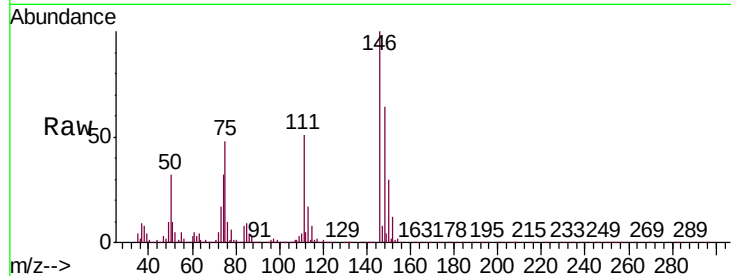




#65
 1,2-Dichlorobenzene
 Concen: 4.587 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

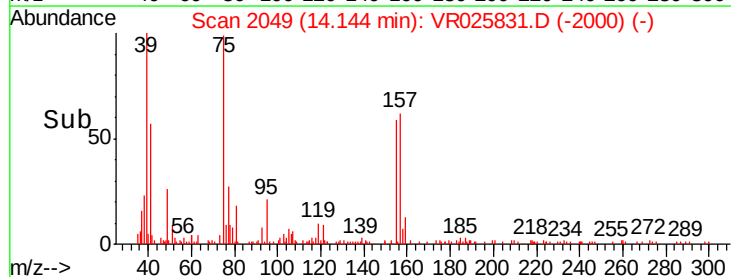
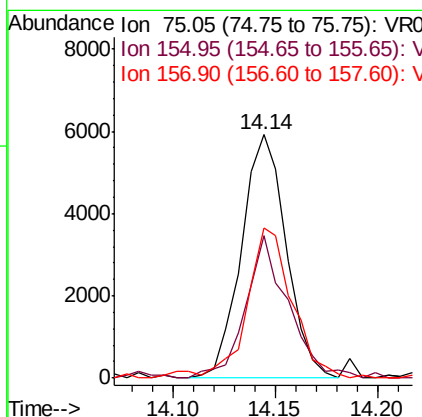
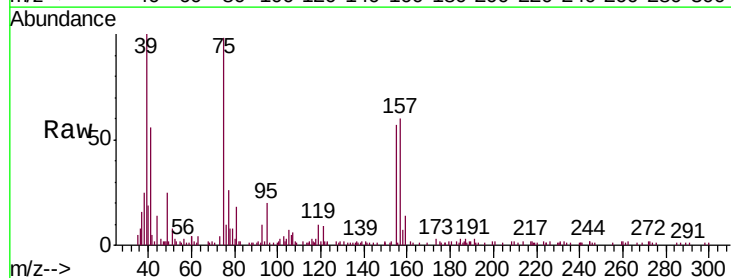
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

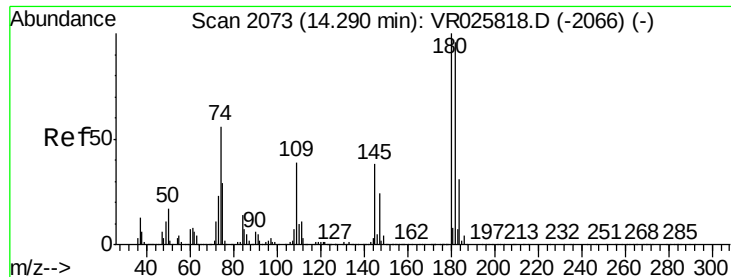
Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.0	39.4	59.0
148	64.5	53.5	80.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.114 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.6	37.8	56.6#
157	61.5	49.7	74.5

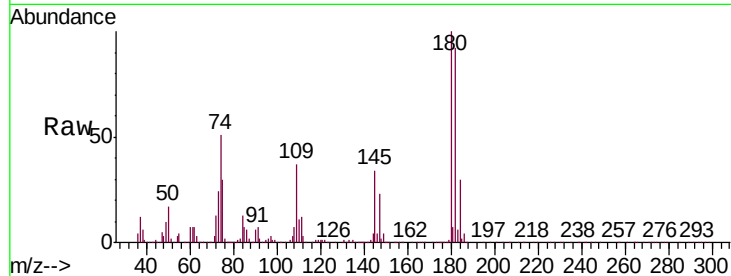




#67
 1,3,5-Trichlorobenzene
 Concen: 4.431 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.2	115.8
184	29.1	24.5	36.7
145	35.8	31.1	46.7



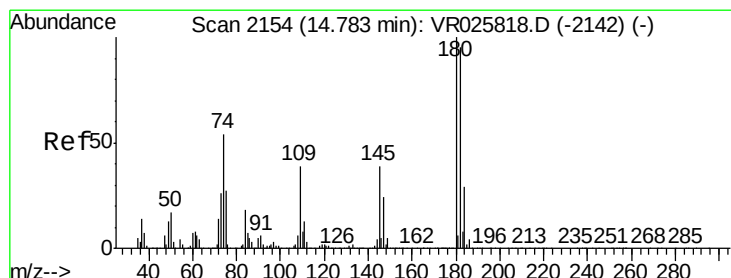
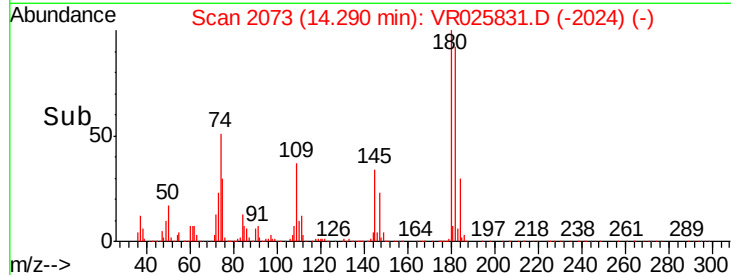
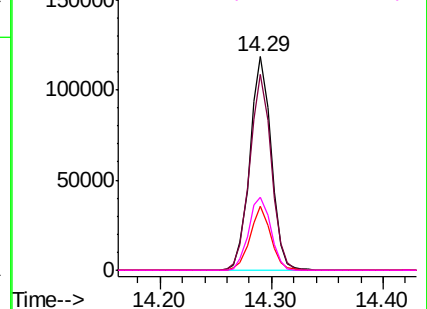
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

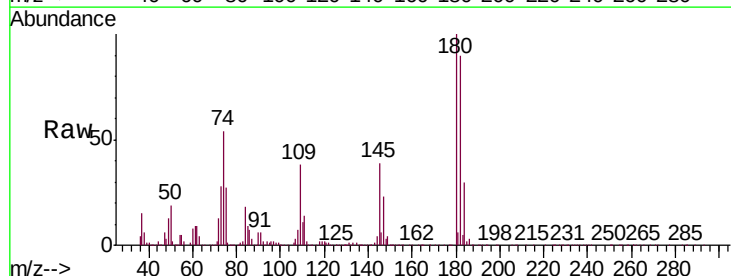
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.461 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025831.D
 Acq: 24 Sep 2018 19:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.7	75.2	112.8
145	37.9	30.5	45.7

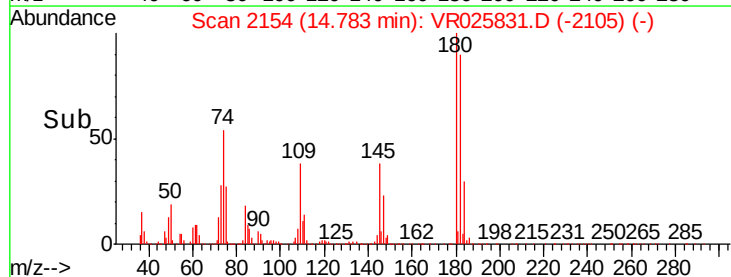
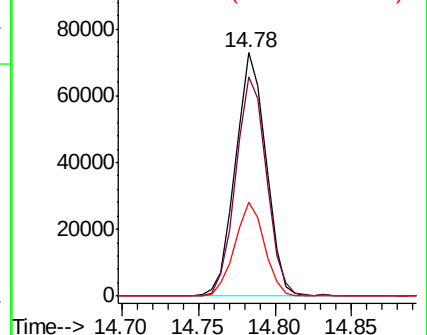


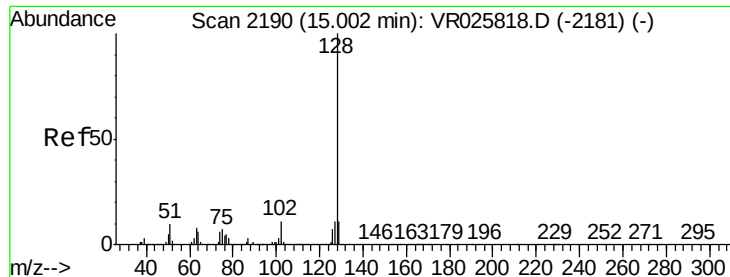
Abundance

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: 4.514 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

Instrument :

MSVOA_R

ClientSampled :

VSTD00582

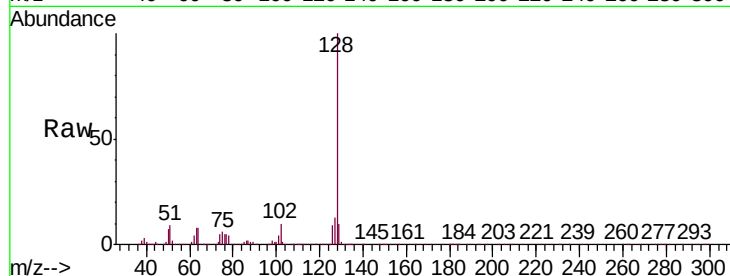
Tgt Ion:128 Resp: 148114

Ion Ratio Lower Upper

128 100

127 12.4 10.5 15.7

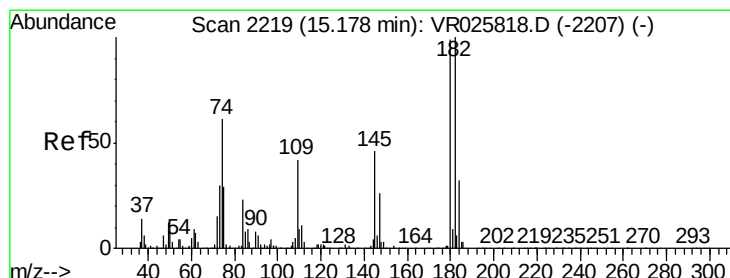
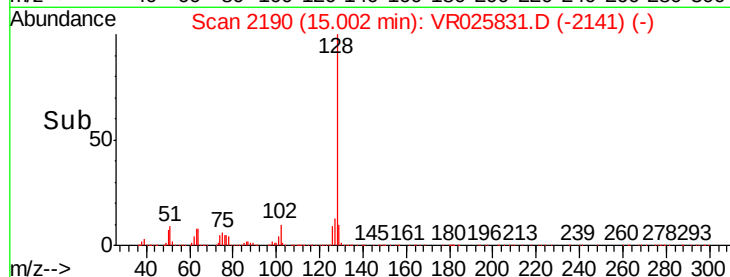
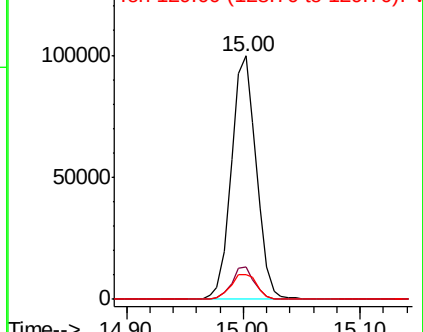
129 11.3 9.4 14.2



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: 4.302 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025831.D

Acq: 24 Sep 2018 19:48

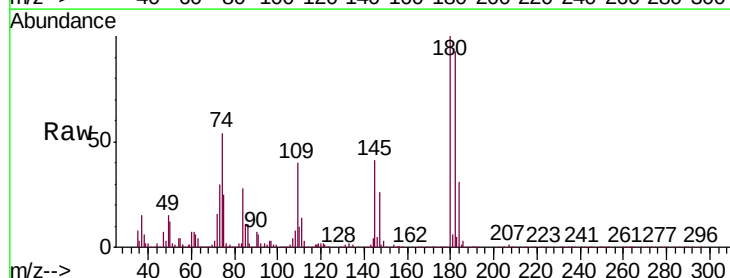
Tgt Ion:180 Resp: 68903

Ion Ratio Lower Upper

180 100

182 90.8 74.7 112.1

145 41.8 31.3 46.9



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

