

Data File : VR026170.D
Acq On : 2 Nov 2018 20:41
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

Quant Time: Nov 03 06:50:43 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 03 06:46:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	614437	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	565092	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	235783	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	204756	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	2.63	69	189715	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.00%
11) 1,1-Dichloroethene-d2	3.64	63	528678	4.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.00%
20) 2-Butanone-d5	6.59	46	244025	55.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.54%
24) Chloroform-d	7.20	84	406080	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	7.90	65	175104	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	7.85	84	781442	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	216906	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	9.97	98	787842	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	10.24	79	58877	4.79	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.80%
46) 2-Hexanone-d5	10.59	63	219537	61.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	102944	5.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	168466	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	162950	3.948 ug/L	95
3) Chloromethane	2.02	50	273033	4.166 ug/L	99
5) Vinyl chloride	2.17	62	270533	4.143 ug/L	97
6) Bromomethane	2.52	94	176912	4.103 ug/L	96
8) Chloroethane	2.66	64	171073	4.228 ug/L	91
9) Trichlorofluoromethane	2.94	101	138587	1.470 ug/L #	72
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	232925	4.145 ug/L	98
12) 1,1-Dichloroethene	3.66	96	239135	4.002 ug/L	84
13) Acetone	3.70	43	225416	49.392 ug/L	99
14) Carbon disulfide	3.96	76	597410	3.824 ug/L	100
15) Methyl Acetate	4.20	43	61991	5.200 ug/L	96
16) Methylene chloride	4.40	84	227198	4.193 ug/L	95
17) Methyl tert-butyl Ether	4.90	73	280306	5.167 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	202291	4.477 ug/L	97
19) 1,1-Dichloroethane	5.69	63	384119	4.528 ug/L	99
21) 2-Butanone	6.69	43	293270	55.702 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	202909	4.747 ug/L #	98

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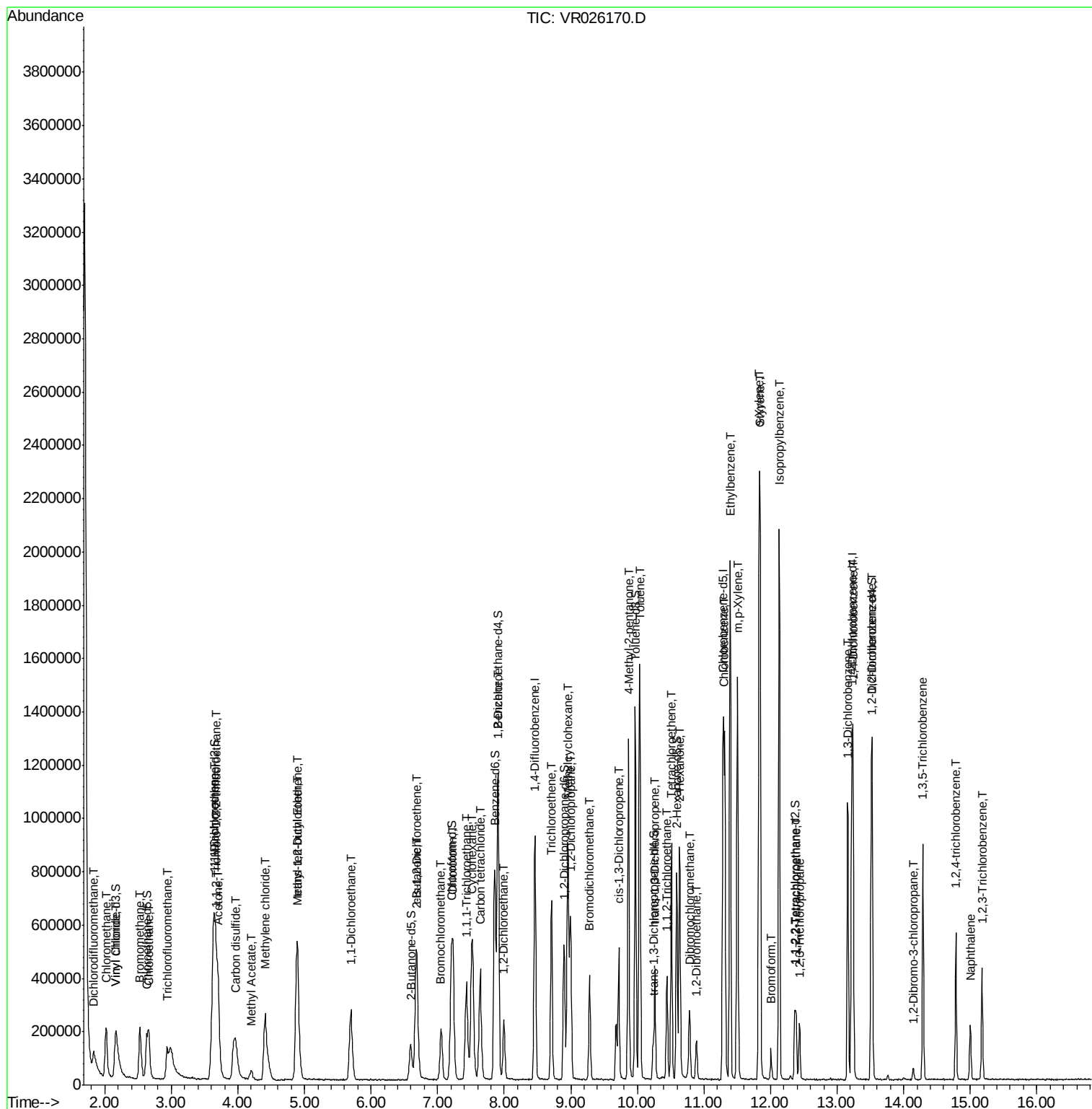
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	58961	4.918	ug/L	92
25) Chloroform	7.23	83	391285	4.726	ug/L	97
27) 1,2-Dichloroethane	8.00	62	197228	4.867	ug/L	98
29) 1,1,1-Trichloroethane	7.43	97	330183	4.276	ug/L	98
30) Cyclohexane	7.52	56	306362	3.953	ug/L	98
31) Carbon tetrachloride	7.63	117	290455	4.137	ug/L	96
33) Benzene	7.91	78	912319	4.303	ug/L	100
34) Trichloroethene	8.71	95	222619	4.102	ug/L	96
35) Methylcyclohexane	8.95	83	318684	3.944	ug/L	98
37) 1,2-Dichloropropane	9.00	63	206081	4.607	ug/L	100
38) Bromodichloromethane	9.28	83	230779	4.797	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	243310	4.752	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	759387	55.584	ug/L	100
42) Toluene	10.04	91	989078	4.420	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	182651	5.106	ug/L	96
45) 1,1,2-Trichloroethane	10.45	97	97989	5.193	ug/L	98
47) Tetrachloroethene	10.51	164	152271	3.929	ug/L	95
48) 2-Hexanone	10.63	43	514215	57.628	ug/L	99
49) Dibromochloromethane	10.79	129	110923	5.224	ug/L	94
50) 1,2-Dibromoethane	10.89	107	80353	4.929	ug/L	90
51) Chlorobenzene	11.32	112	562221	4.538	ug/L	99
52) Ethylbenzene	11.39	91	1145592	4.452	ug/L	99
53) m,p-Xylene	11.50	106	416325	4.440	ug/L	94
54) o-Xylene	11.83	106	390339	4.541	ug/L	99
55) Styrene	11.84	104	629798	4.760	ug/L	99
56) Isopropylbenzene	12.13	105	1060309	4.441	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	97959	5.108	ug/L	99
59) 1,2,3-Trichloropropane	12.43	75	71825	5.101	ug/L	100
61) Bromoform	12.01	173	41621	5.079	ug/L	96
62) 1,3-Dichlorobenzene	13.16	146	325172	4.151	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	359610	4.433	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	286984	4.565	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	10186	3.977	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	198972	4.169	ug/L	98
68) 1,2,4-trichlorobenzene	14.78	180	125995	4.523	ug/L	99
69) Naphthalene	15.00	128	133548	4.937	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	94375	4.878	ug/L	98

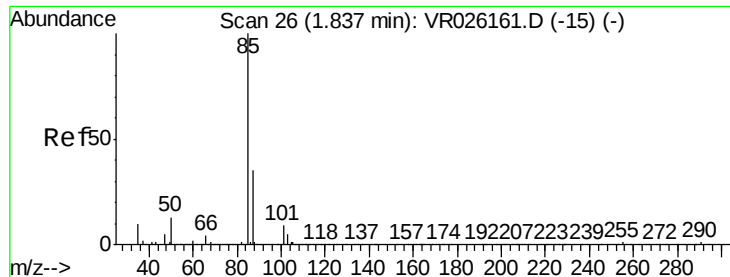
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 3.948 ug/L

RT: 1.84 min Scan# 26

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

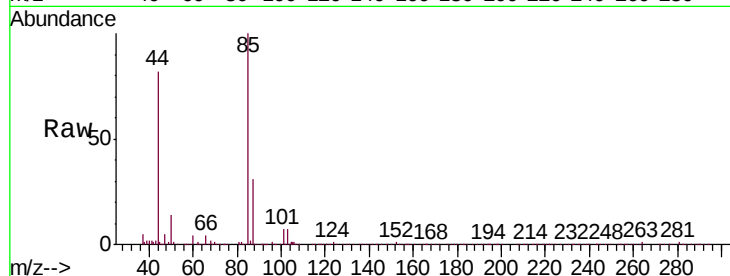
VSTD00582

Tgt Ion: 85 Resp: 162950

Ion Ratio Lower Upper

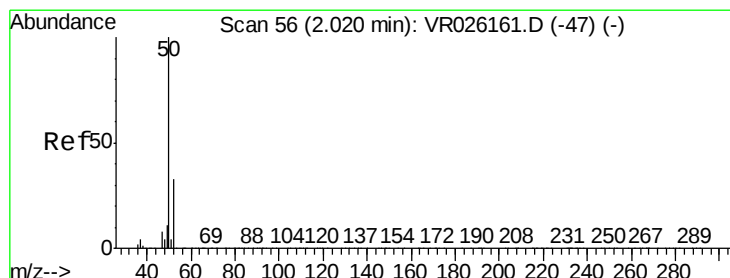
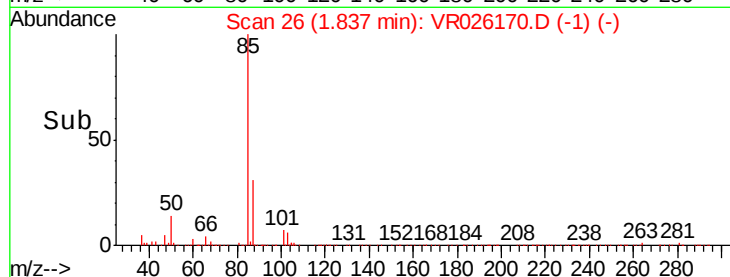
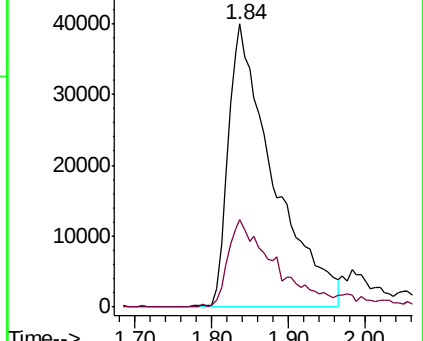
85 100

87 32.0 23.4 35.2



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.166 ug/L

RT: 2.02 min Scan# 56

Delta R.T. -0.00 min

Lab File: VR026170.D

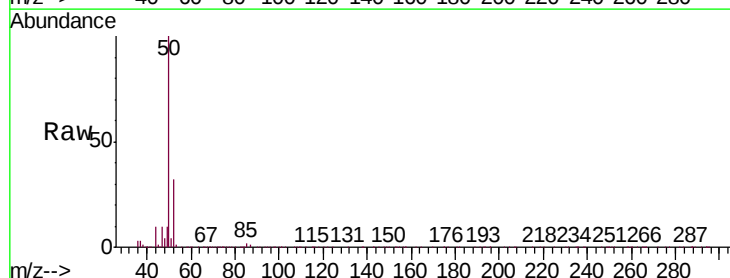
Acq: 2 Nov 2018 20:41

Tgt Ion: 50 Resp: 273033

Ion Ratio Lower Upper

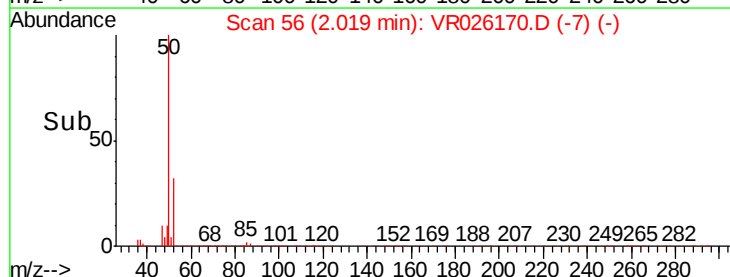
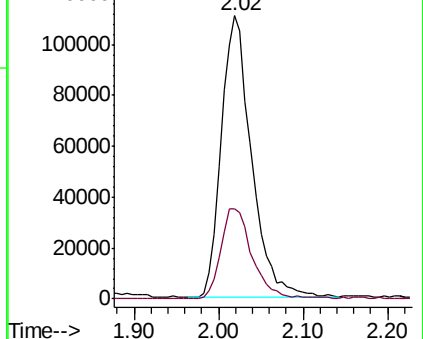
50 100

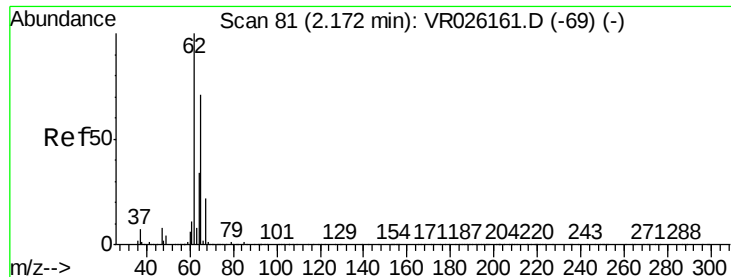
52 31.7 22.0 40.8



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 4.143 ug/L

RT: 2.17 min Scan# 81

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

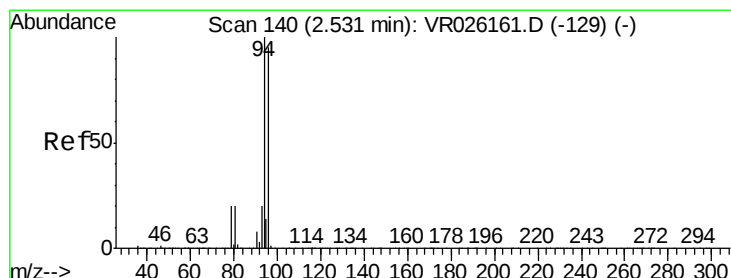
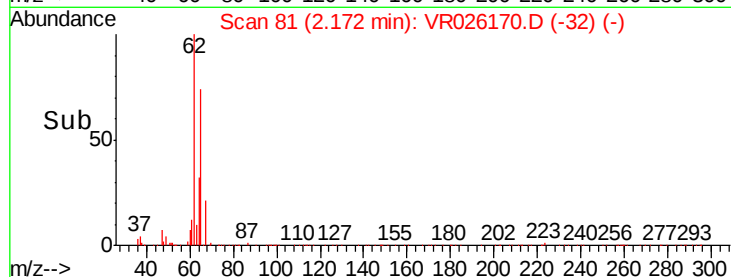
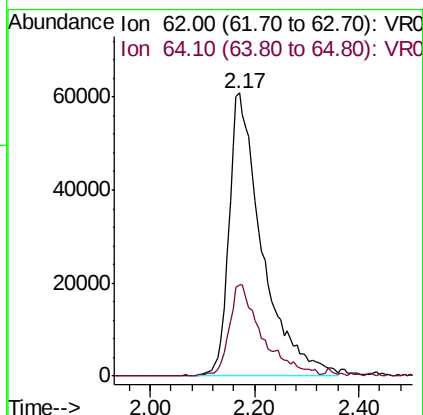
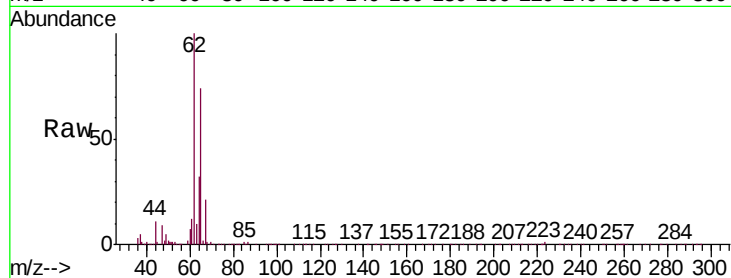
VSTD00582

Tgt Ion: 62 Resp: 270533

Ion Ratio Lower Upper

62 100

64 32.4 23.9 44.3



#6

Bromomethane

Concen: 4.103 ug/L

RT: 2.52 min Scan# 139

Delta R.T. -0.01 min

Lab File: VR026170.D

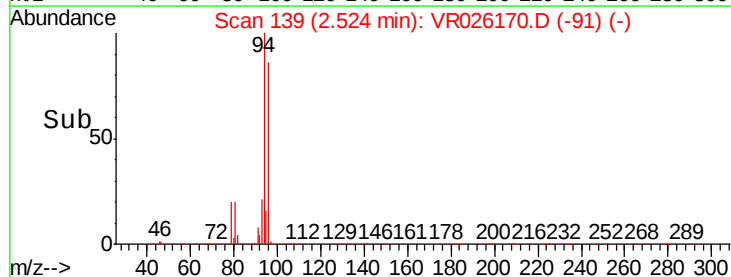
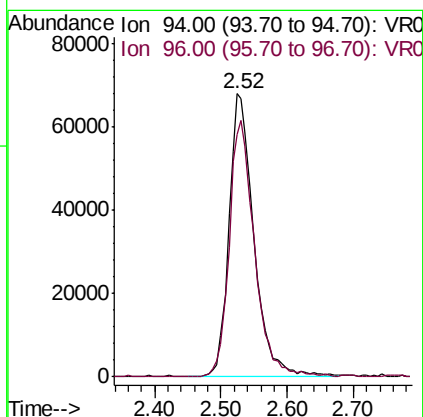
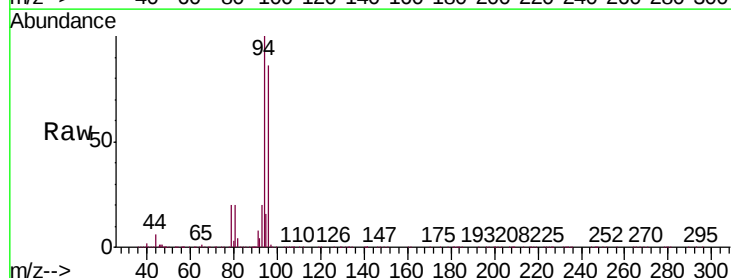
Acq: 2 Nov 2018 20:41

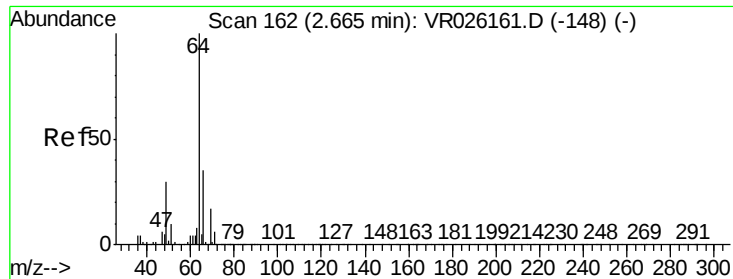
Tgt Ion: 94 Resp: 176912

Ion Ratio Lower Upper

94 100

96 85.7 62.5 116.1

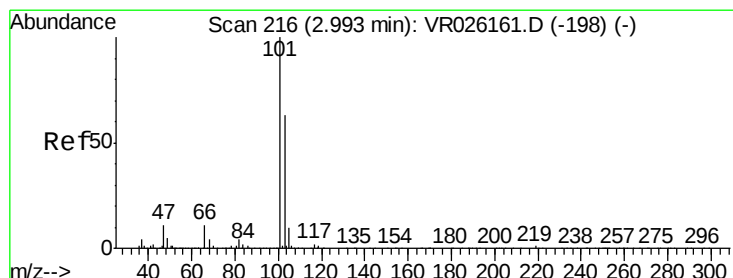
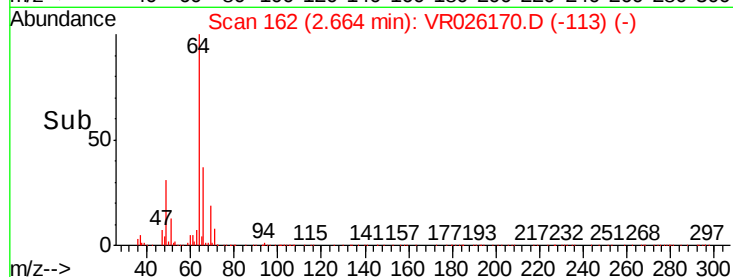
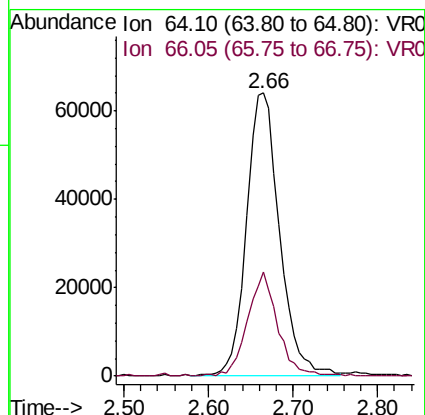
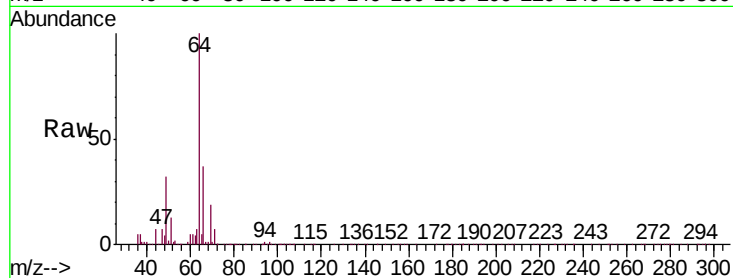




#8
Chloroethane
Concen: 4.228 ug/L
RT: 2.66 min Scan# 162
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

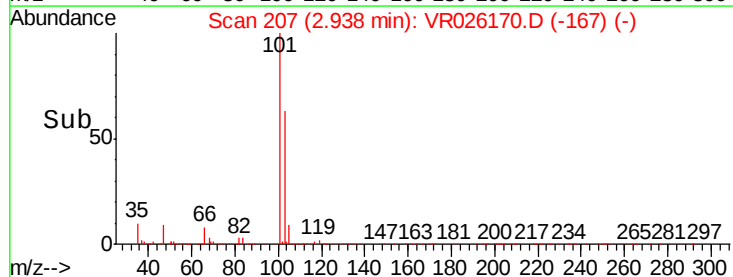
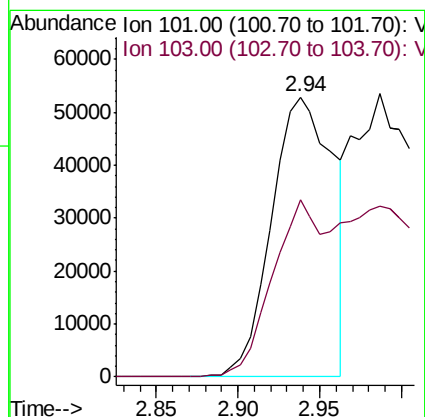
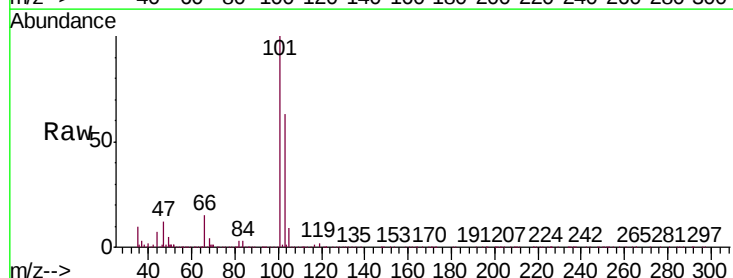
Instrument :
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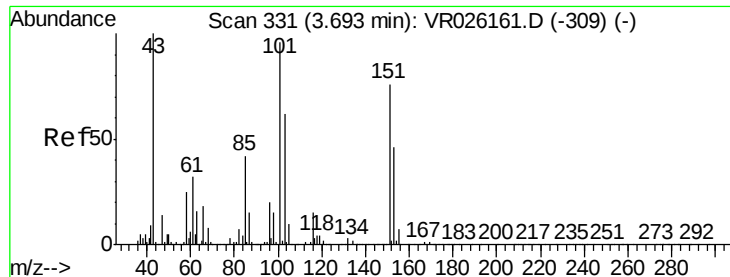
Tgt Ion: 64 Resp: 171073
Ion Ratio Lower Upper
64 100
66 36.6 22.0 40.8



#9
Trichlorofluoromethane
Concen: 1.470 ug/L
RT: 2.94 min Scan# 207
Delta R.T. -0.06 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 101 Resp: 138587
Ion Ratio Lower Upper
101 100
103 48.0 26.0 39.0#





#10

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

Concen: 4.145 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

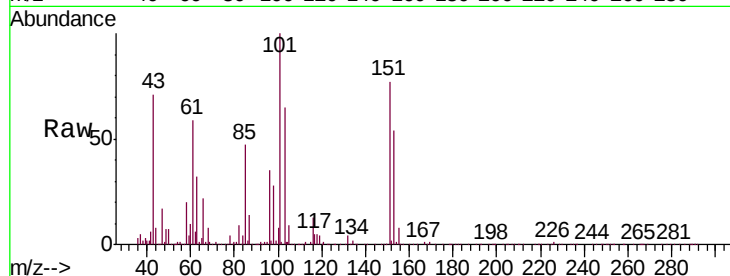
Tgt Ion: 101 Resp: 232925

Ion Ratio Lower Upper

101 100

85 46.8 37.8 56.8

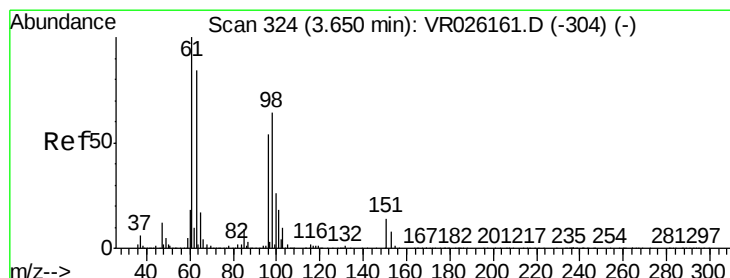
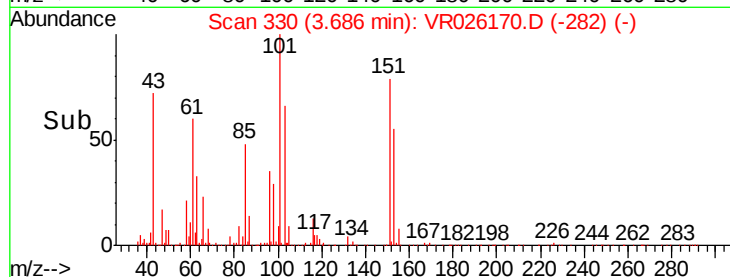
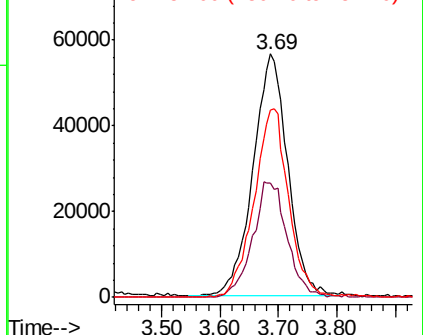
151 77.3 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.002 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.01 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

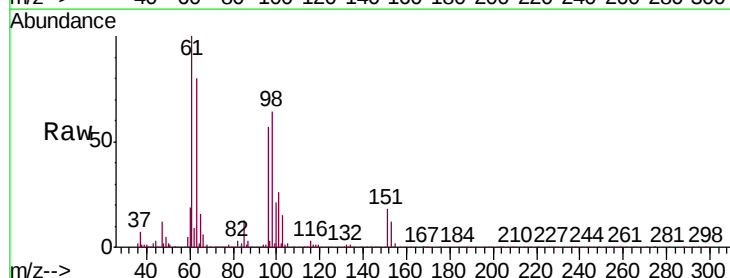
Tgt Ion: 96 Resp: 239135

Ion Ratio Lower Upper

96 100

61 175.0 126.7 235.3

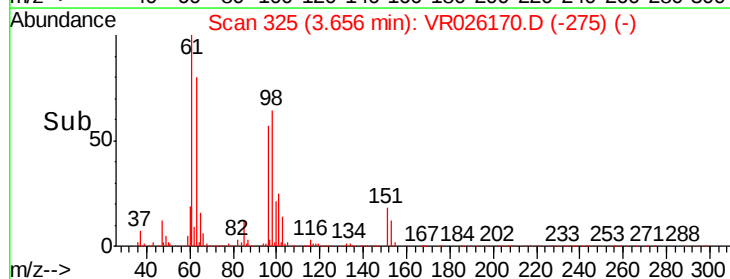
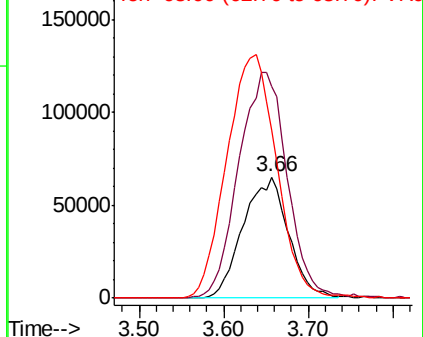
63 139.5 125.0 232.2

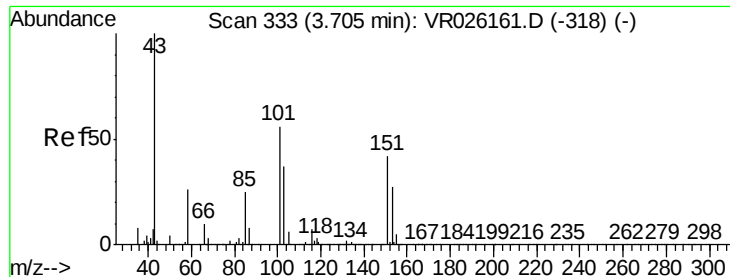


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 49.392 ug/L

RT: 3.70 min Scan# 333

Delta R.T. -0.00 min

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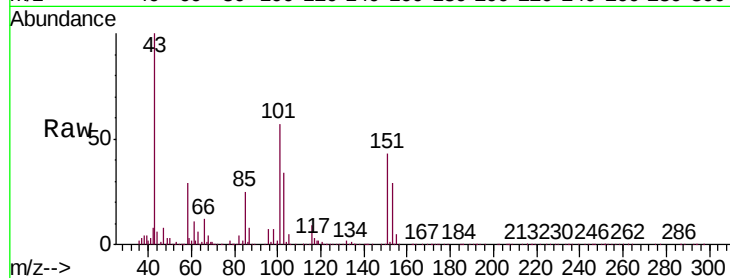
VSTD00582

Tgt Ion: 43 Resp: 225416

Ion Ratio Lower Upper

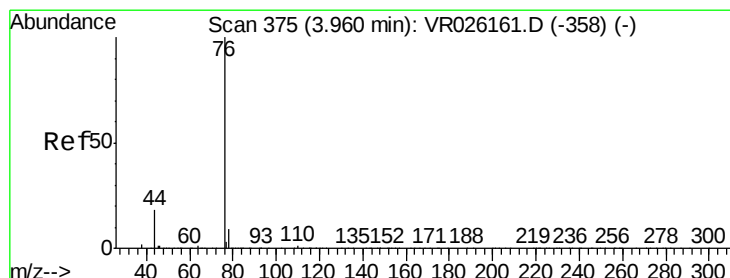
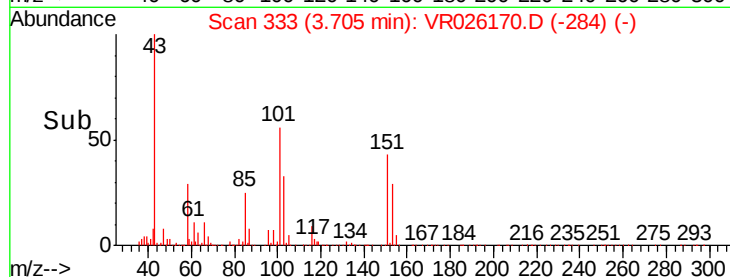
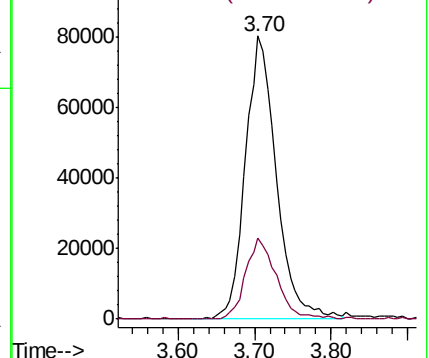
43 100

58 28.4 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 3.824 ug/L

RT: 3.96 min Scan# 375

Delta R.T. -0.00 min

Lab File: VR026170.D

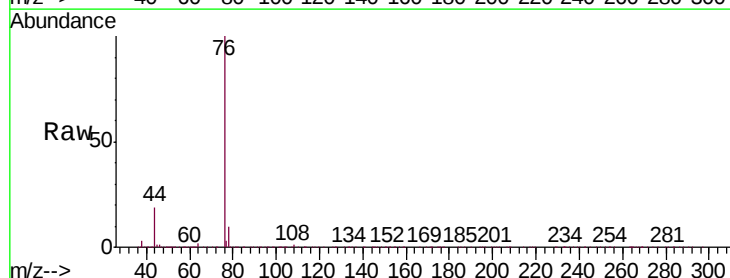
Acq: 2 Nov 2018 20:41

Tgt Ion: 76 Resp: 597410

Ion Ratio Lower Upper

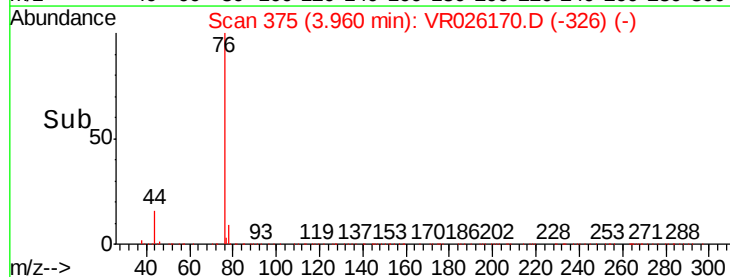
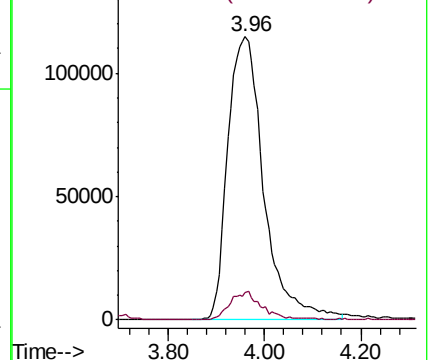
76 100

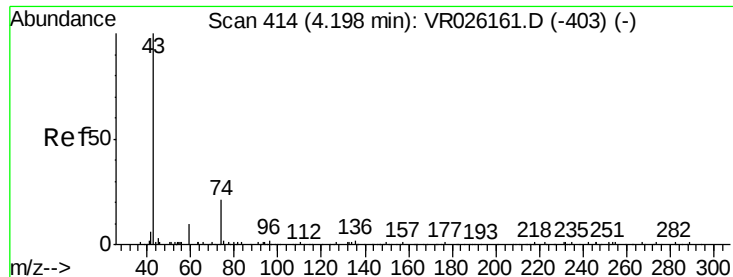
78 9.6 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

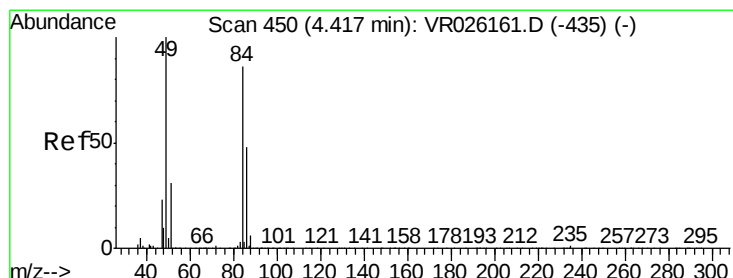
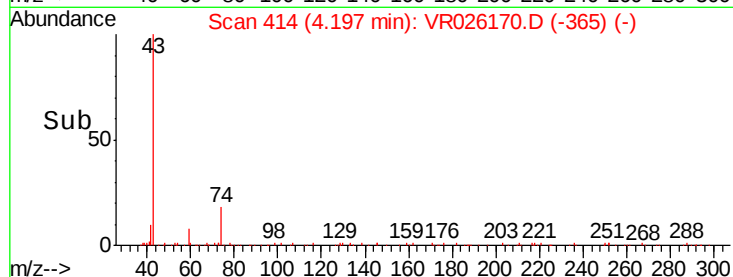
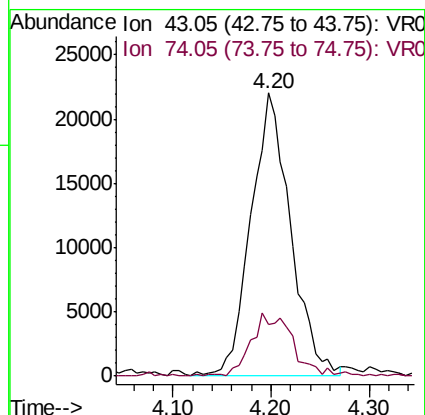
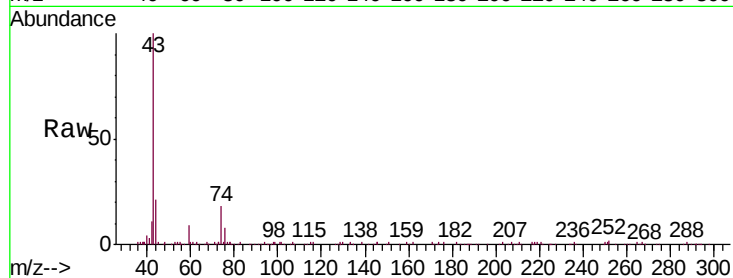




#15
Methyl Acetate
Concen: 5.200 ug/L
RT: 4.20 min Scan# 414
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

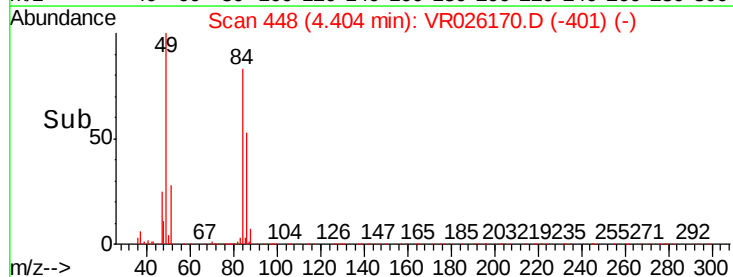
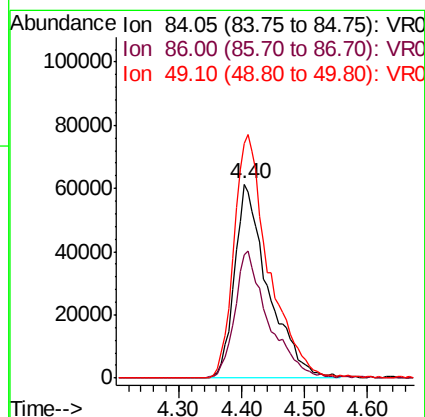
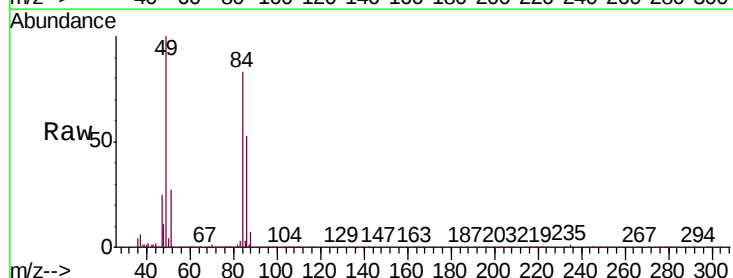
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

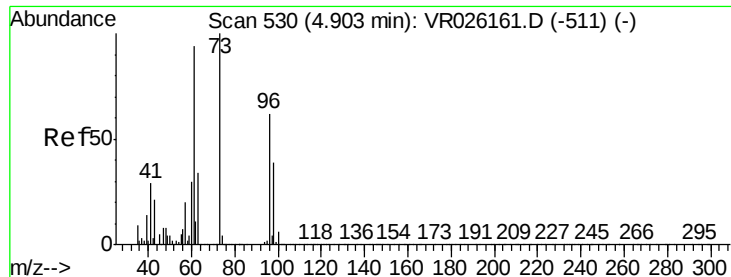
Tgt Ion: 43 Resp: 61991
Ion Ratio Lower Upper
43 100
74 23.0 19.8 29.8



#16
Methylene chloride
Concen: 4.193 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 84 Resp: 227198
Ion Ratio Lower Upper
84 100
86 63.7 43.0 79.8
49 120.9 89.1 165.5

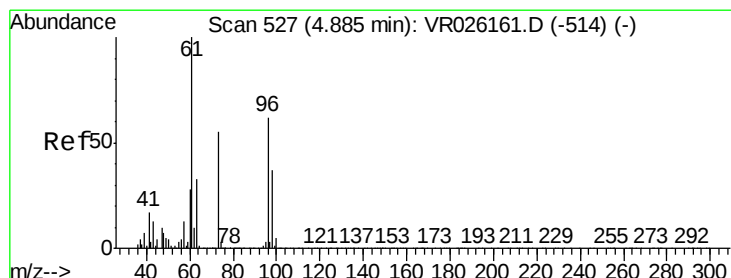
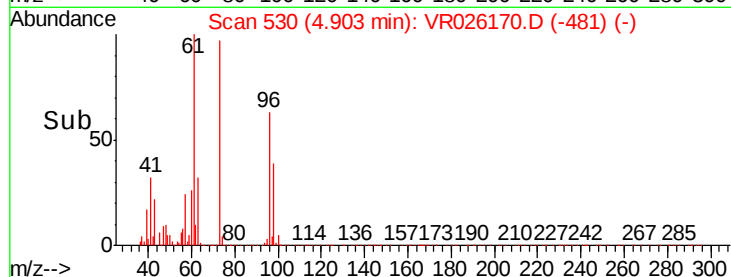
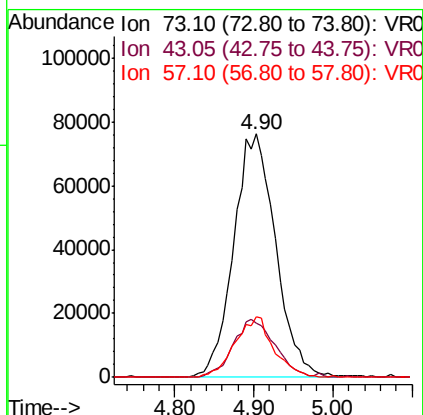
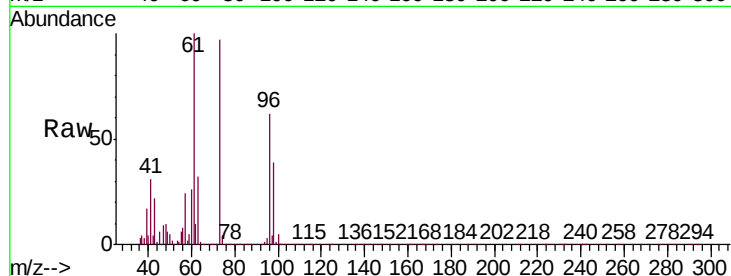




#17
Methyl tert-butyl Ether
Concen: 5.167 ug/L
RT: 4.90 min Scan# 530
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

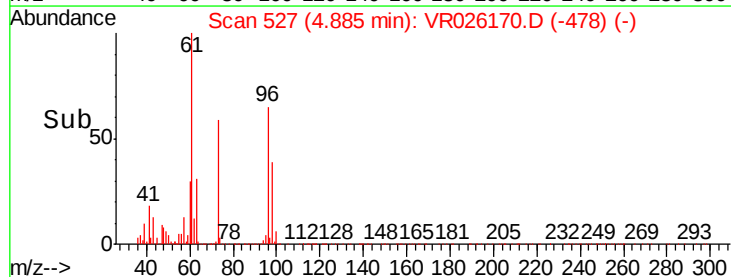
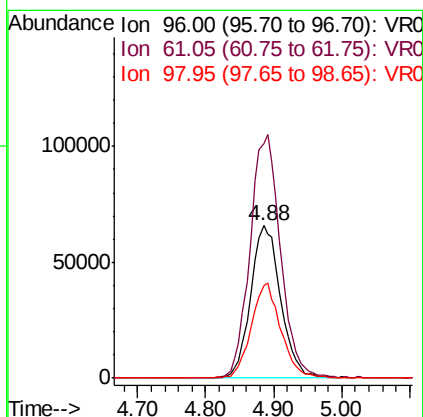
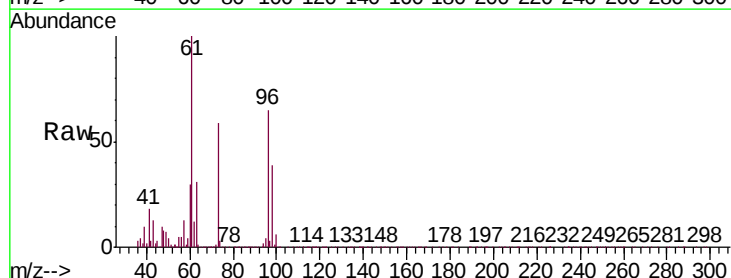
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

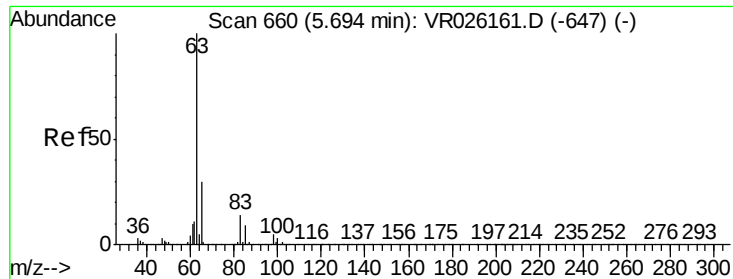
Tgt Ion: 73 Resp: 280306
Ion Ratio Lower Upper
73 100
43 24.0 20.1 30.1
57 22.6 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.477 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 96 Resp: 202291
Ion Ratio Lower Upper
96 100
61 154.4 111.4 206.8
98 60.8 41.4 77.0

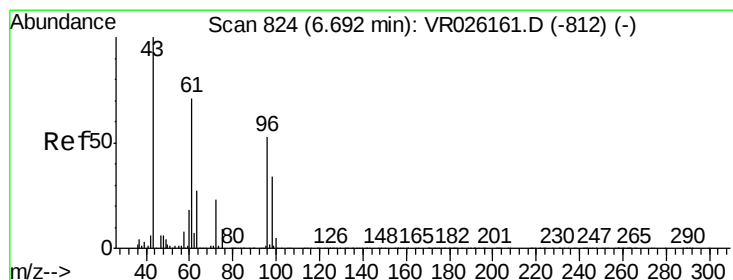
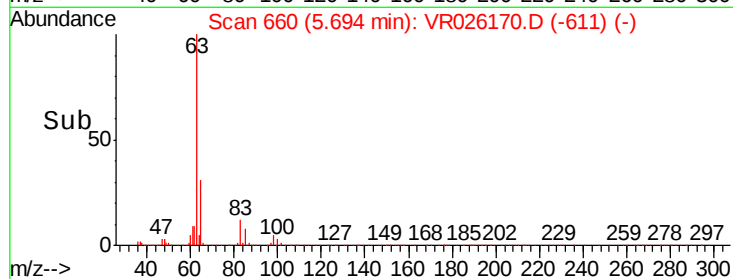
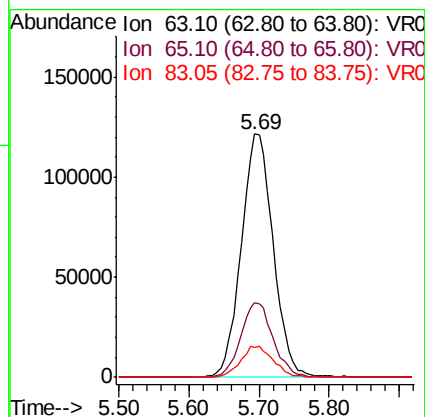
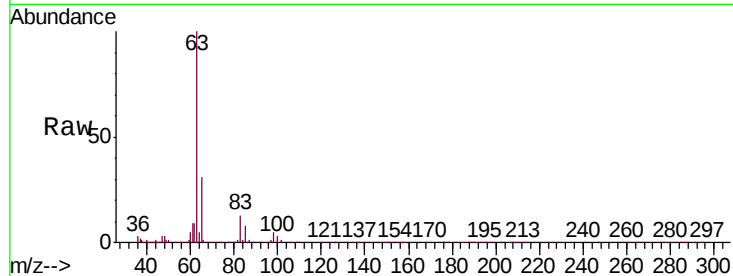




#19
 1,1-Dichloroethane
 Concen: 4.528 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

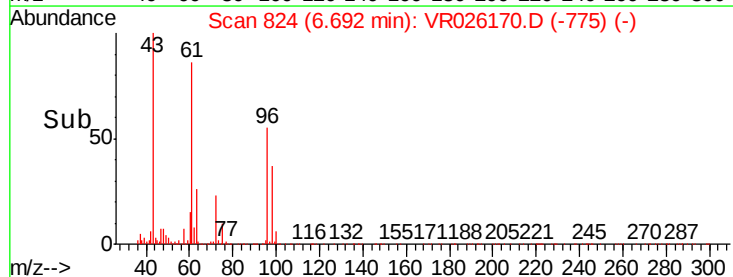
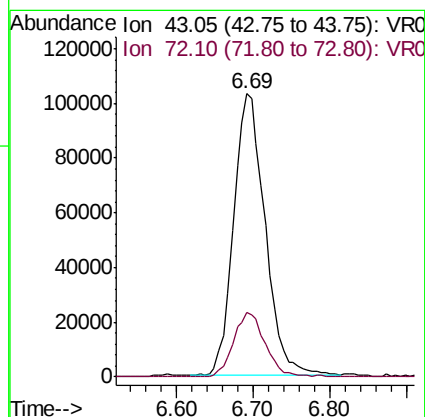
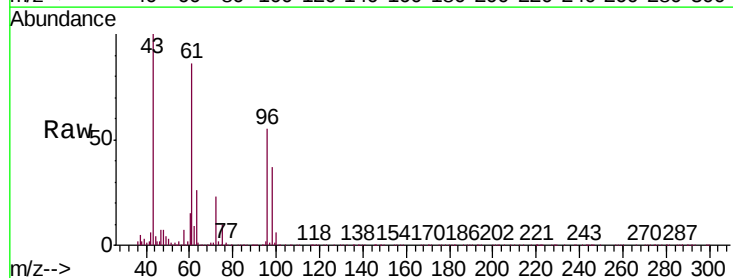
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

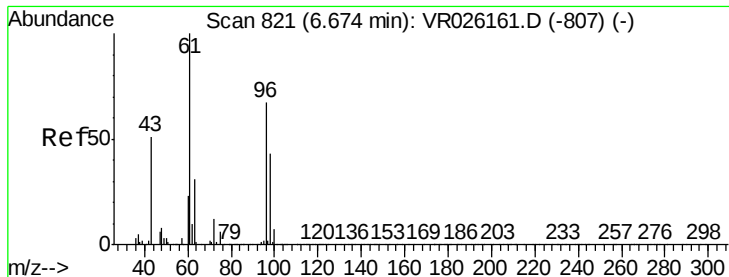
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	21.2	39.4
83	12.5	9.2	17.2



#21
 2-Butanone
 Concen: 55.702 ug/L
 RT: 6.69 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	12.3	36.8



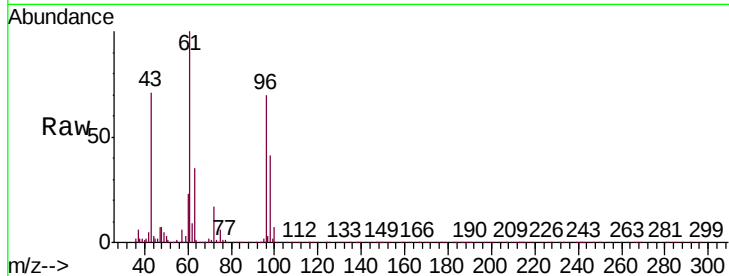


#22

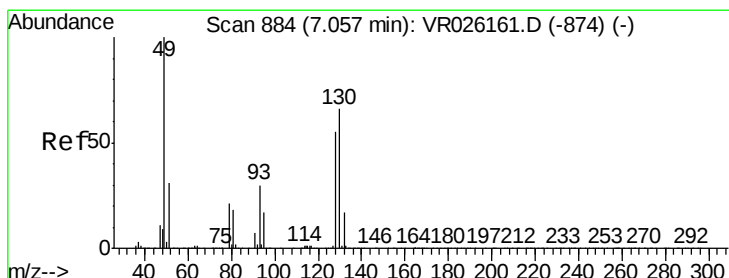
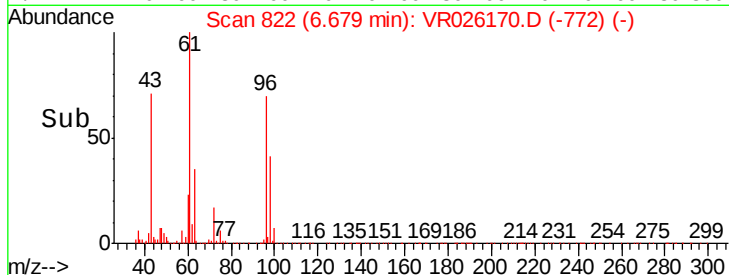
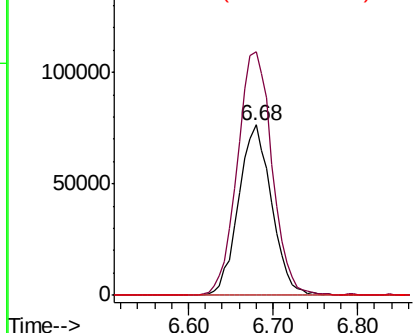
cis-1,2-Dichloroethene
Concen: 4.747 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

Tgt Ion: 96 Resp: 202909
Ion Ratio Lower Upper
96 100
61 143.1 101.8 189.0
68 0.0 0.1 0.3#



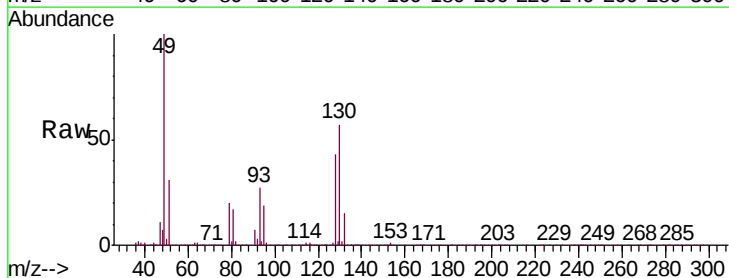
Abundance Ion 96.00 (95.70 to 96.70): VR0
Ion 61.05 (60.75 to 61.75): VR0
Ion 68.15 (67.85 to 68.85): VR0



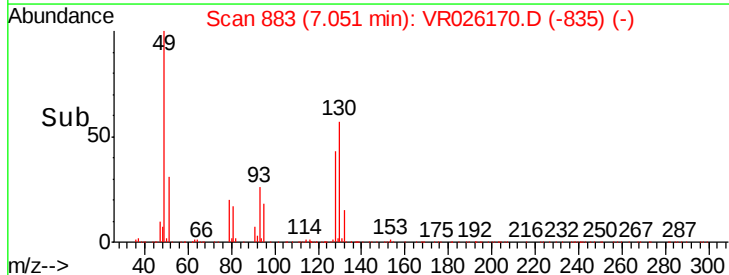
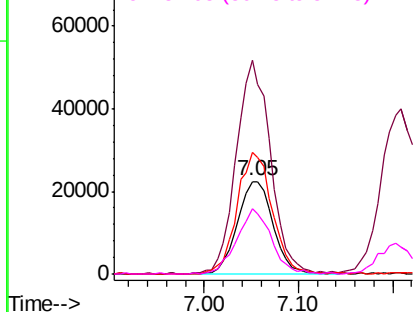
#23

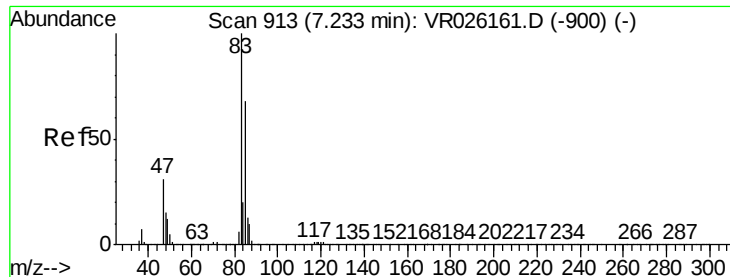
Bromochloromethane
Concen: 4.918 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 128 Resp: 58961
Ion Ratio Lower Upper
128 100
49 230.4 146.2 271.4
130 131.3 92.5 171.7
51 70.5 55.6 83.4



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

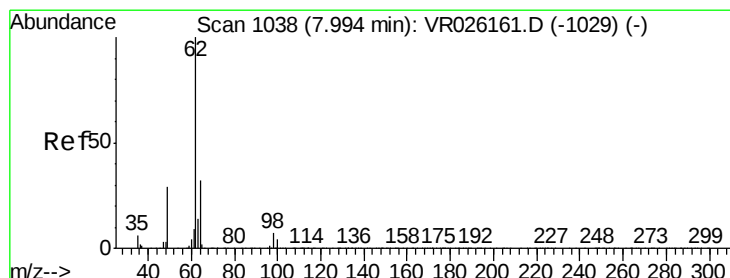
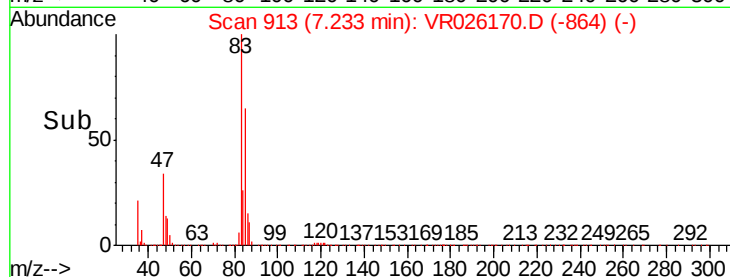
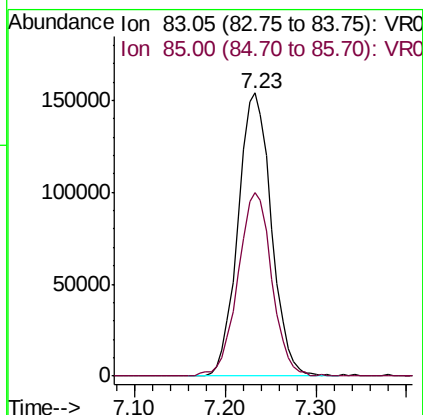
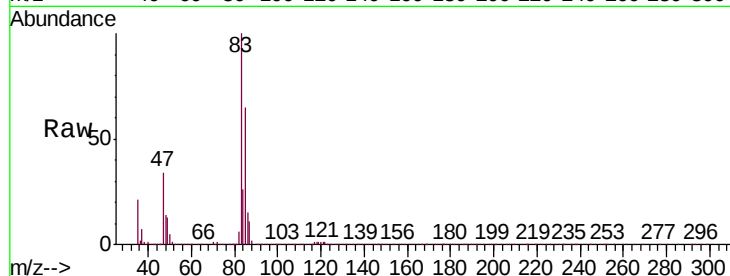




#25
Chloroform
Concen: 4.726 ug/L
RT: 7.23 min Scan# 913
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

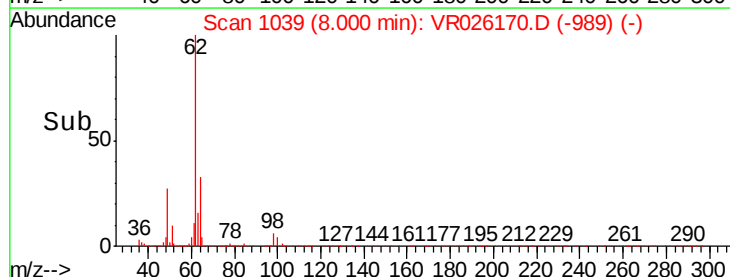
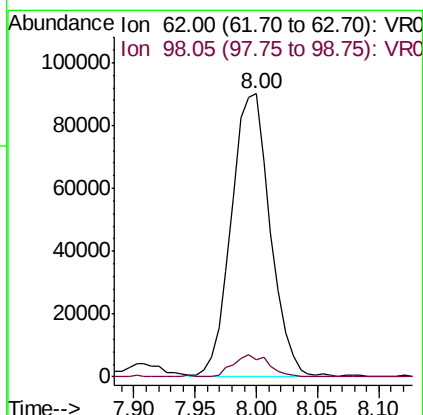
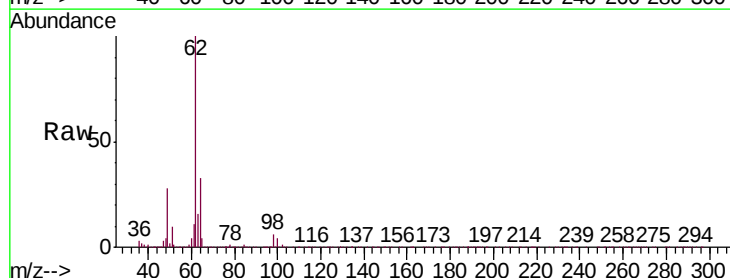
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

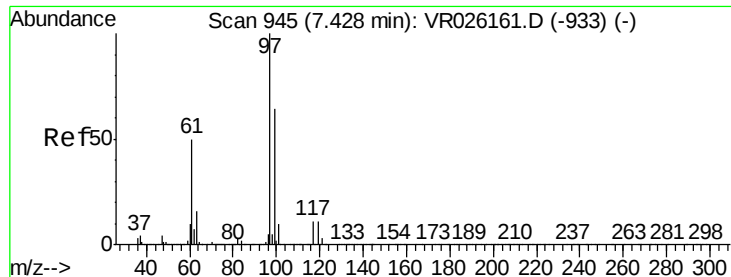
Tgt Ion: 83 Resp: 391285
Ion Ratio Lower Upper
83 100
85 64.7 43.5 80.7



#27
1,2-Dichloroethane
Concen: 4.867 ug/L
RT: 8.00 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 62 Resp: 197228
Ion Ratio Lower Upper
62 100
98 6.3 5.6 8.4

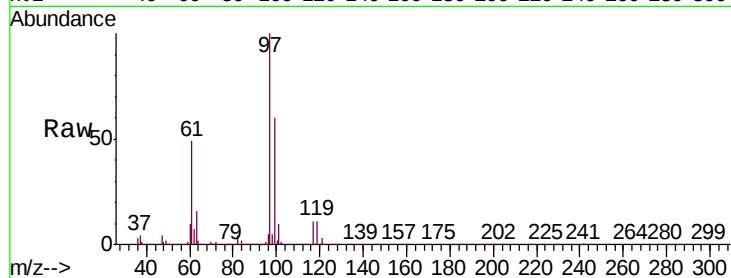




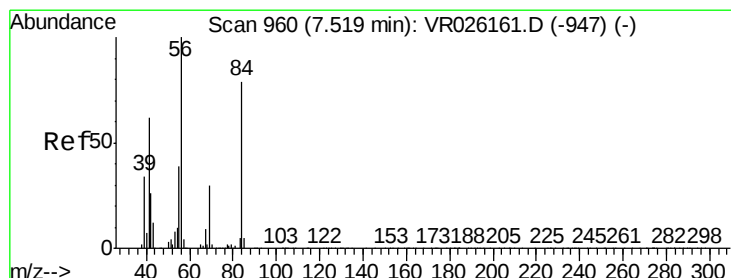
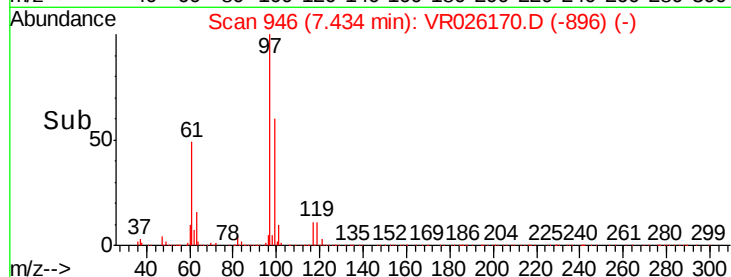
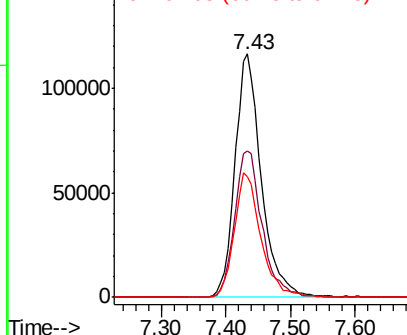
#29
1,1,1-Trichloroethane
Concen: 4.276 ug/L
RT: 7.43 min Scan# 946
Delta R.T. 0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.1	76.7
61	51.2	42.1	63.1

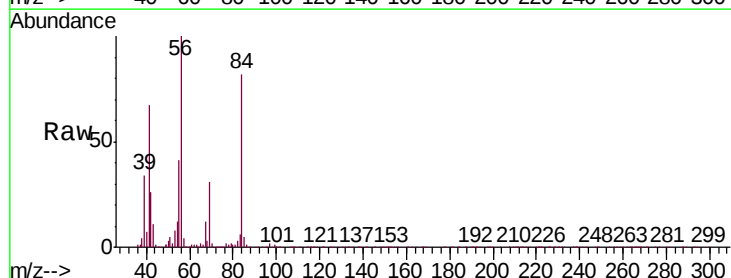


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

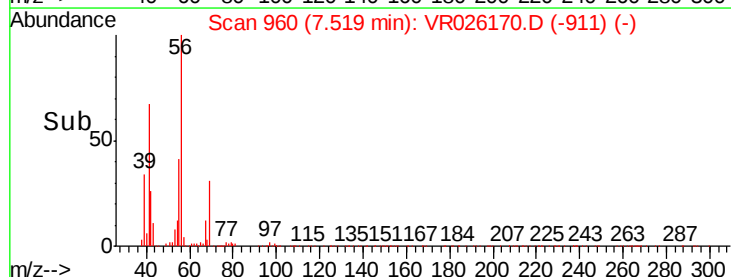
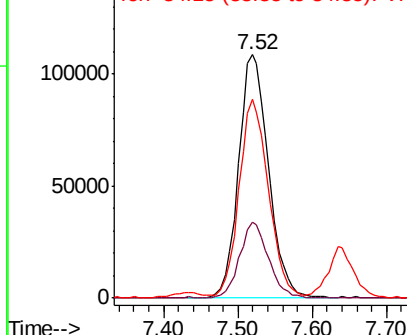


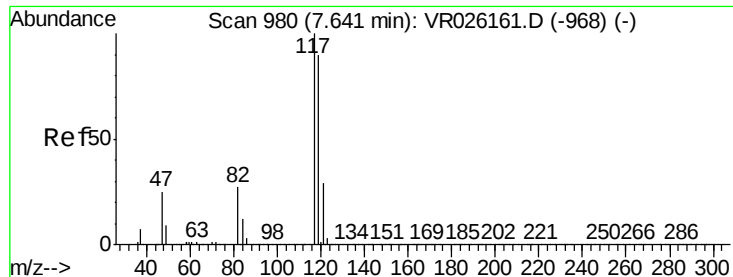
#30
Cyclohexane
Concen: 3.953 ug/L
RT: 7.52 min Scan# 960
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.8	35.8
84	80.0	62.2	93.4



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

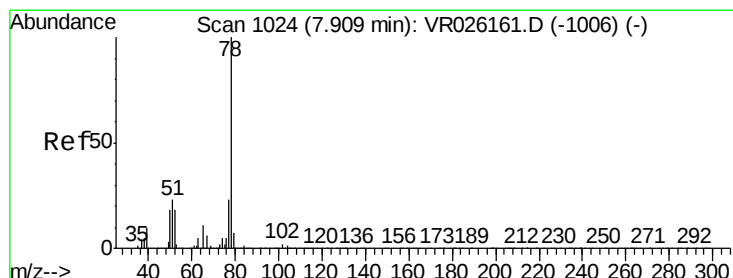
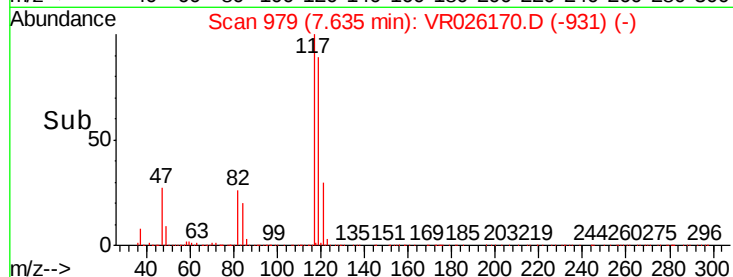
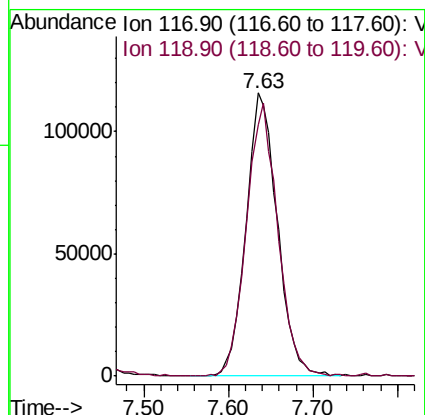
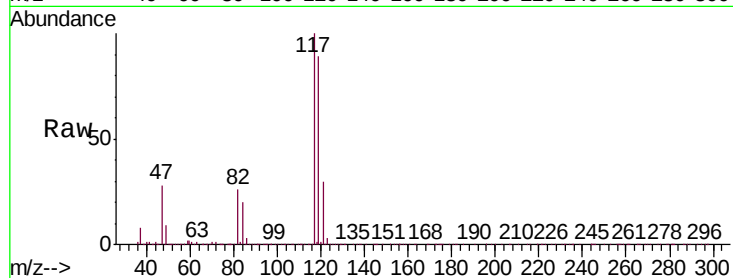




#31
Carbon tetrachloride
Concen: 4.137 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.01 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

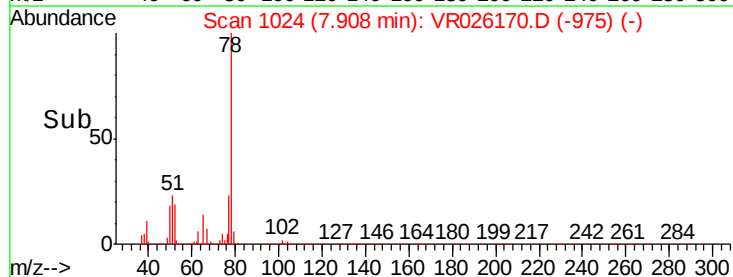
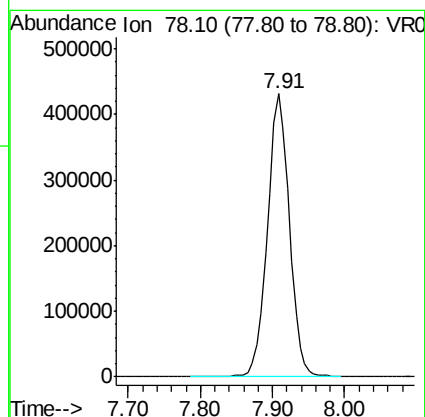
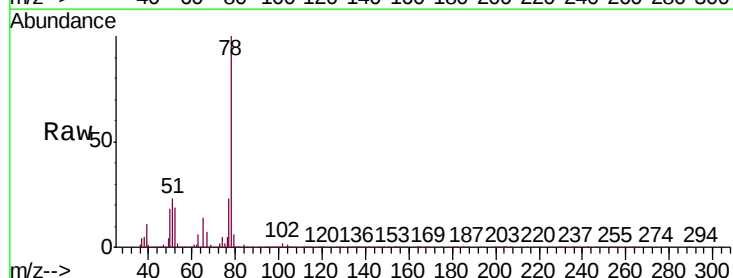
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

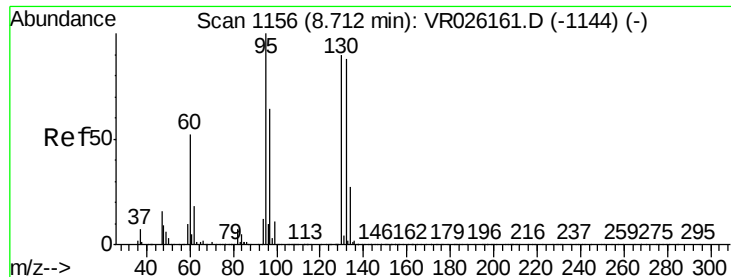
Tgt Ion:117 Resp: 290455
Ion Ratio Lower Upper
117 100
119 96.7 74.2 111.2



#33
Benzene
Concen: 4.303 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion: 78 Resp: 912319





#34

Trichloroethene

Concen: 4.102 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 222619

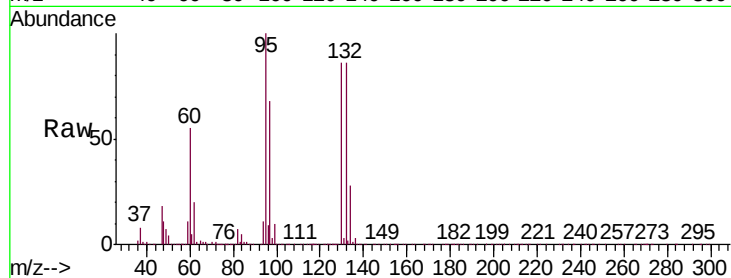
Ion Ratio Lower Upper

95 100

97 67.8 45.7 84.9

132 86.3 58.3 108.3

130 85.9 64.0 119.0

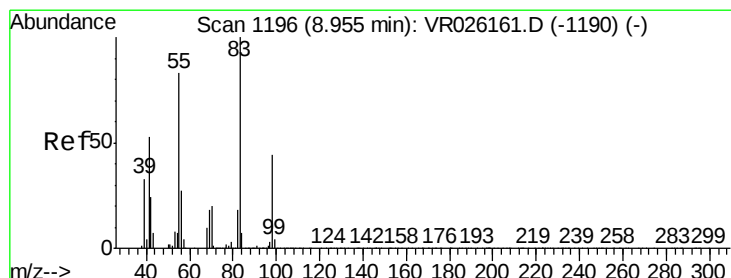
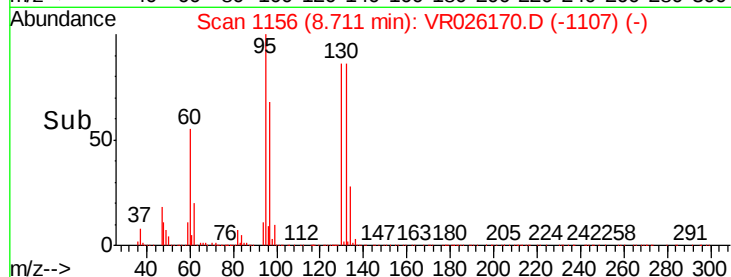
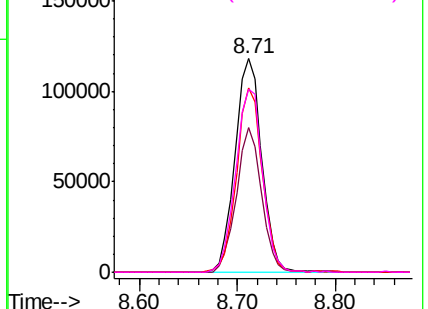


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 3.944 ug/L

RT: 8.95 min Scan# 1196

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

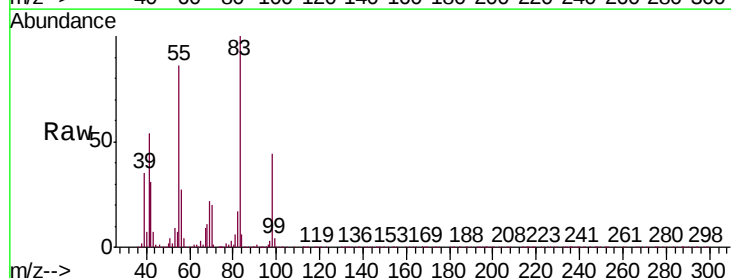
Tgt Ion: 83 Resp: 318684

Ion Ratio Lower Upper

83 100

55 86.5 66.8 100.2

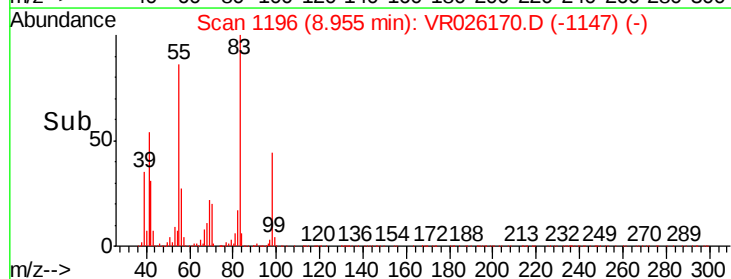
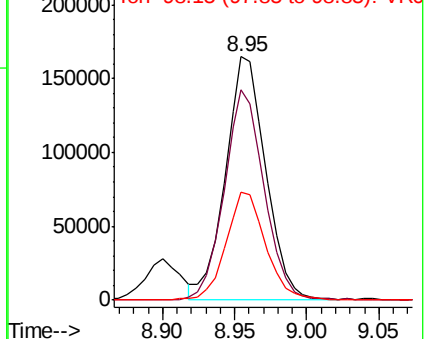
98 44.6 35.2 52.8

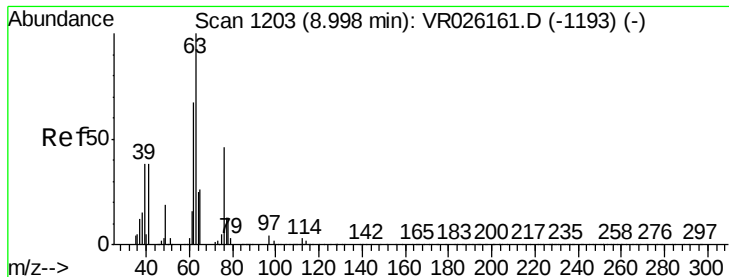


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

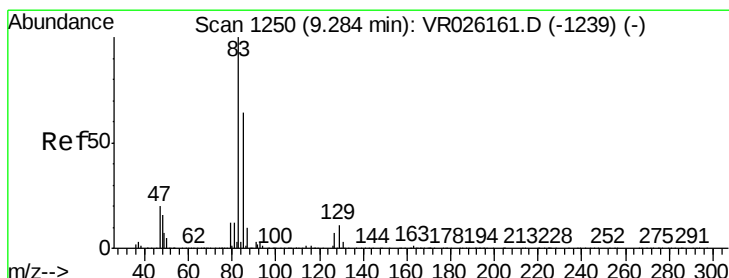
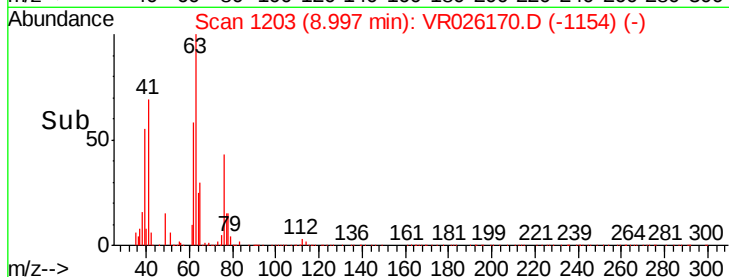
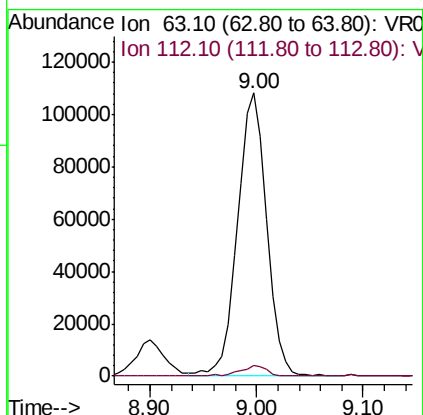
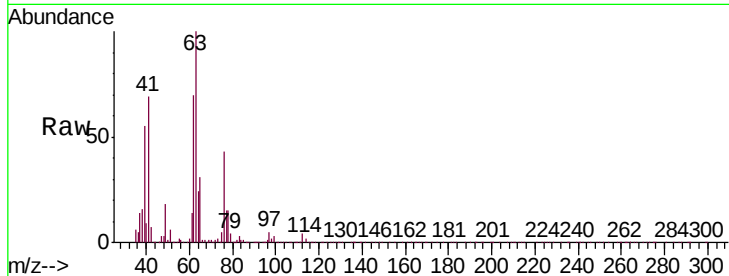




#37
 1,2-Dichloropropane
 Concen: 4.607 ug/L
 RT: 9.00 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

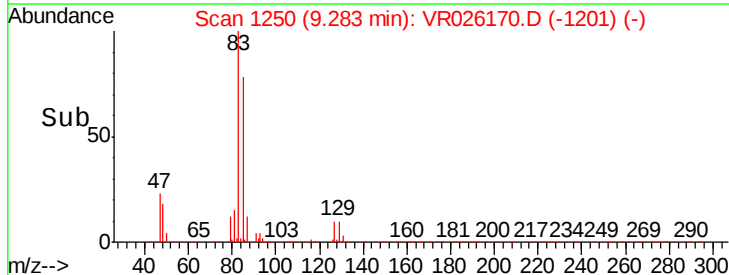
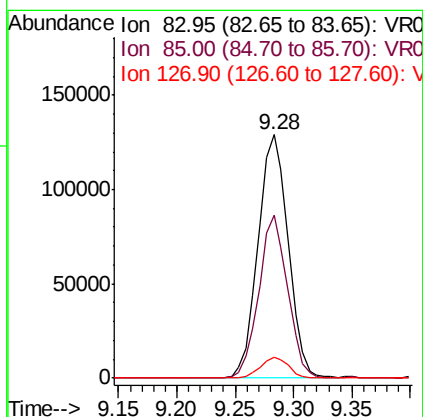
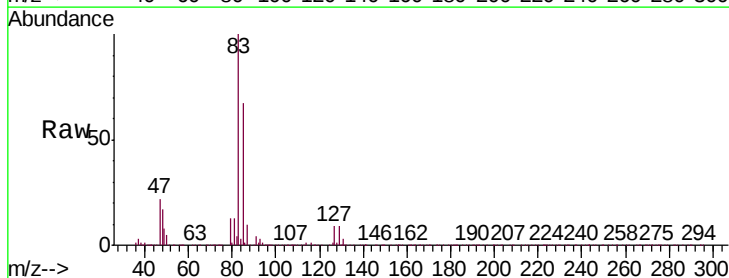
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

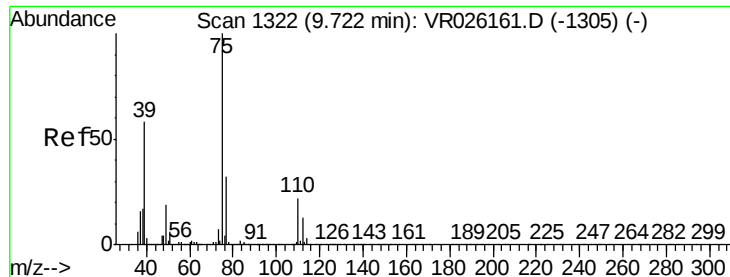
Tgt Ion: 63 Resp: 206081
 Ion Ratio Lower Upper
 63 100
 112 3.4 2.7 4.1



#38
 Bromodichloromethane
 Concen: 4.797 ug/L
 RT: 9.28 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion: 83 Resp: 230779
 Ion Ratio Lower Upper
 83 100
 85 67.0 43.5 80.7
 127 8.7 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 4.752 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

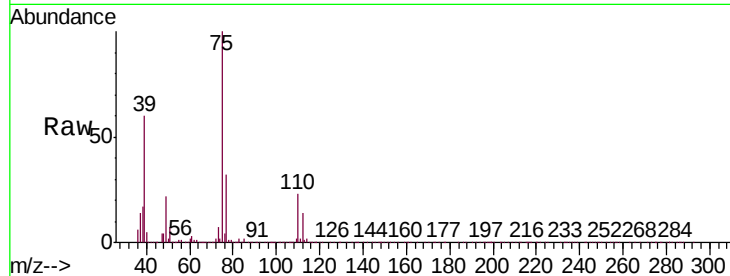
VSTD00582

Tgt Ion: 75 Resp: 243310

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

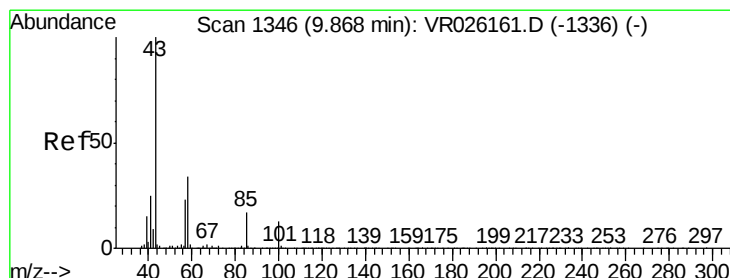
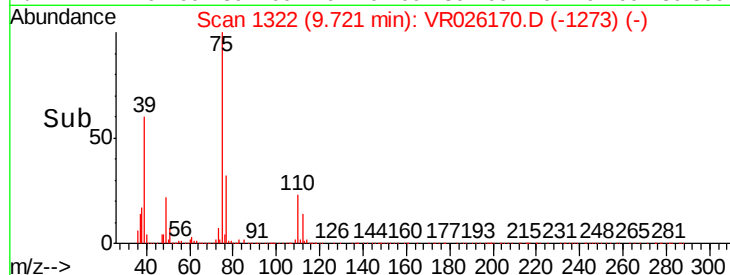
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 55.584 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

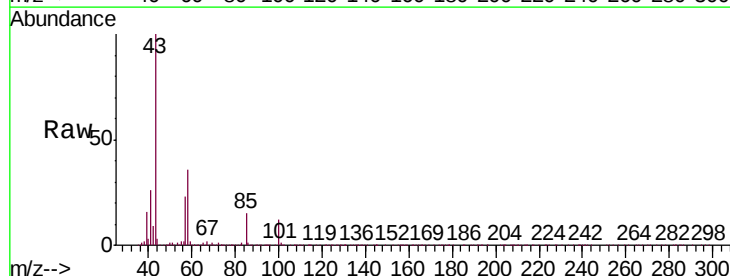
Tgt Ion: 43 Resp: 759387

Ion Ratio Lower Upper

43 100

58 35.2 28.1 42.1

100 11.4 9.3 13.9



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

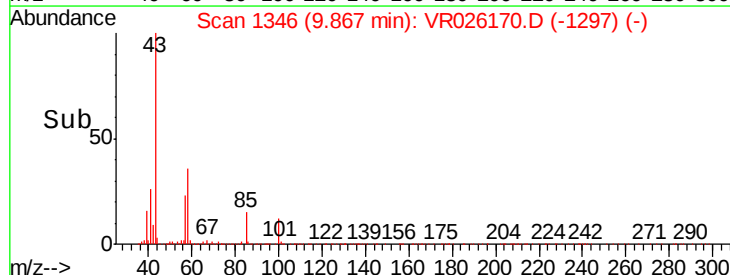
200000

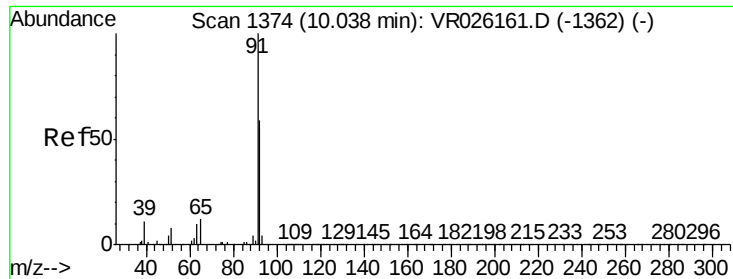
100000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 4.420 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

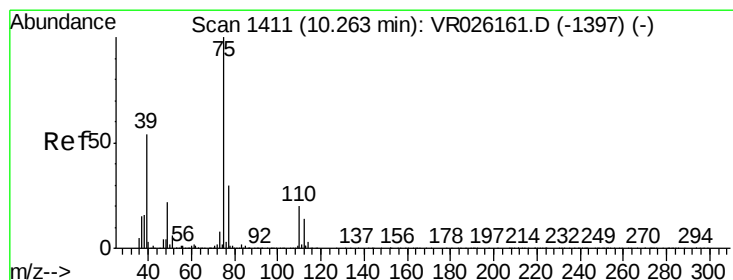
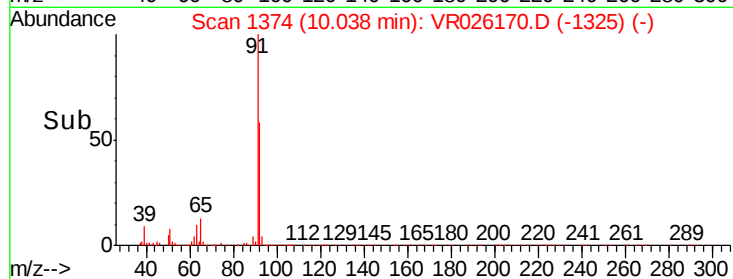
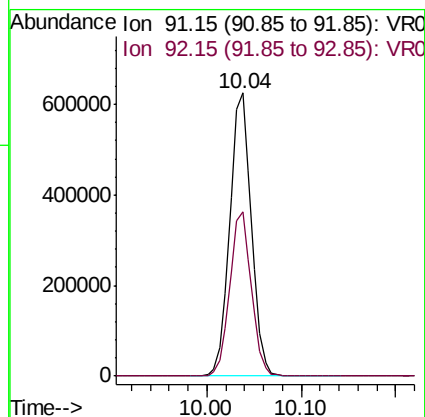
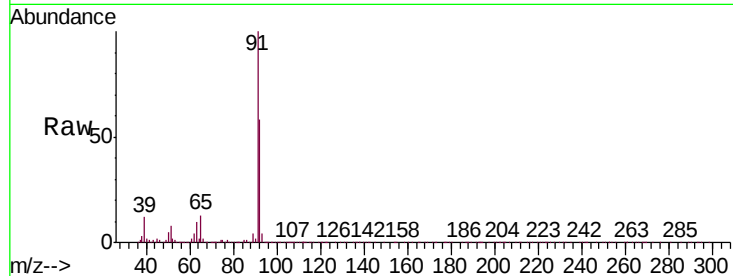
VSTD00582

Tgt Ion: 91 Resp: 989078

Ion Ratio Lower Upper

91 100

92 58.2 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 5.106 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026170.D

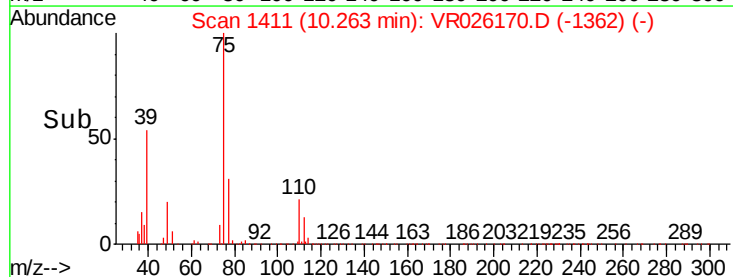
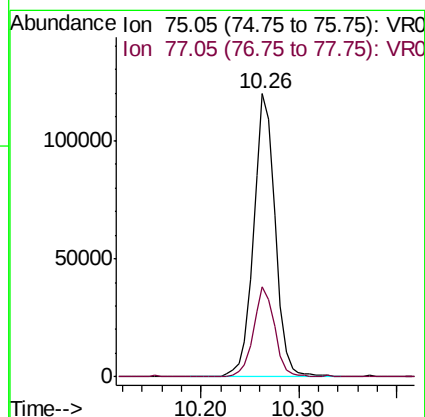
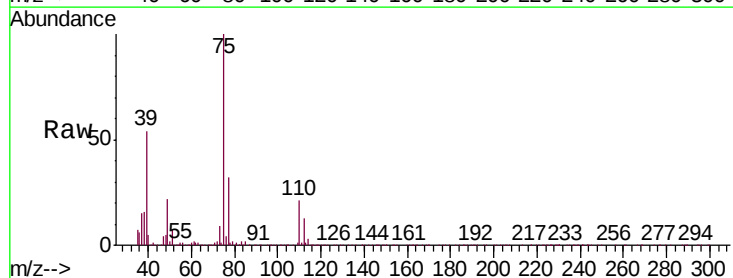
Acq: 2 Nov 2018 20:41

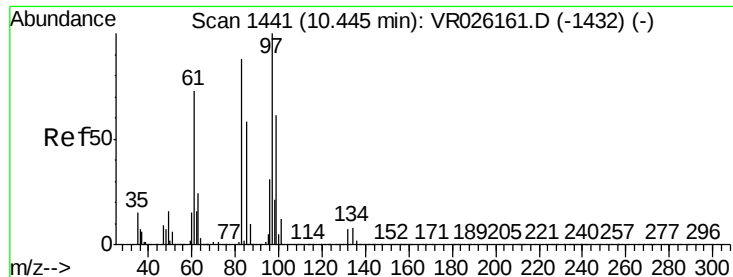
Tgt Ion: 75 Resp: 182651

Ion Ratio Lower Upper

75 100

77 31.8 24.1 44.7

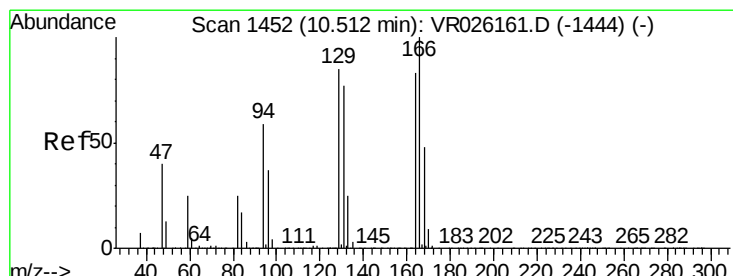
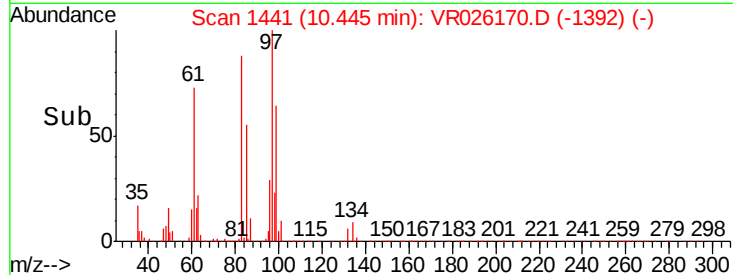
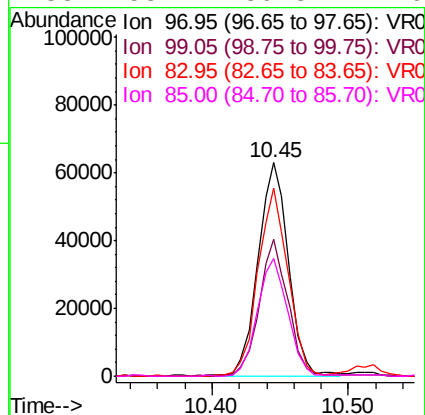
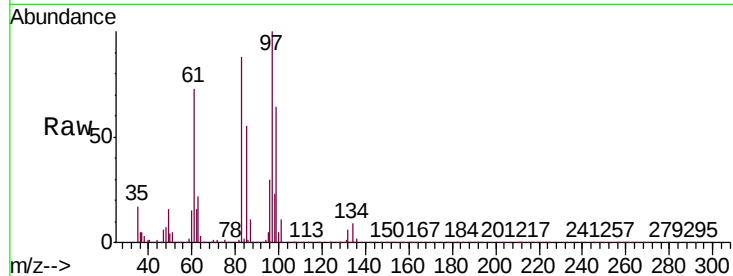




#45
 1,1,2-Trichloroethane
 Concen: 5.193 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

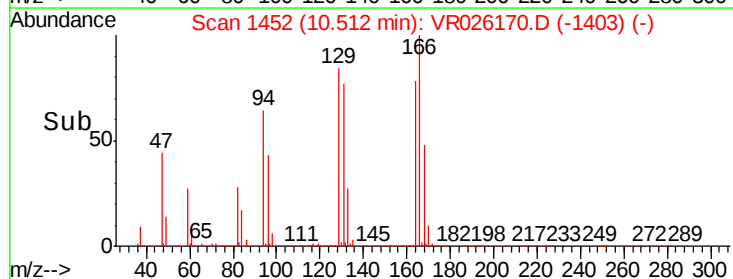
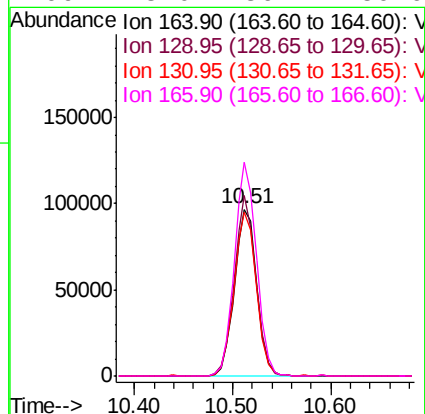
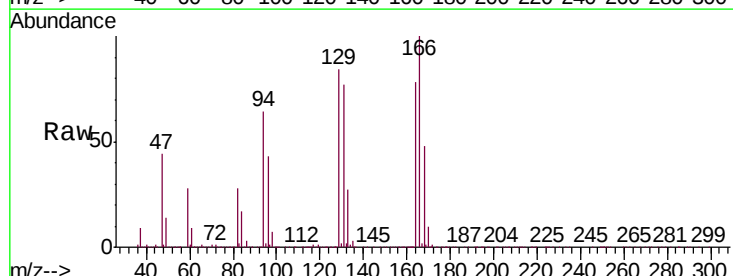
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00582

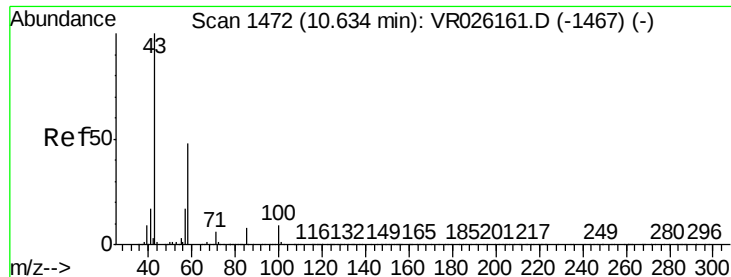
Tgt Ion:	97	Resp:	97989
Ion	Ratio	Lower	Upper
97	100		
99	64.2	42.8	79.4
83	88.4	61.9	114.9
85	55.1	39.3	72.9



#47
 Tetrachloroethene
 Concen: 3.929 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion:	164	Resp:	152271
Ion	Ratio	Lower	Upper
164	100		
129	108.0	70.3	130.5
131	98.2	67.3	125.1
166	128.0	86.1	159.9

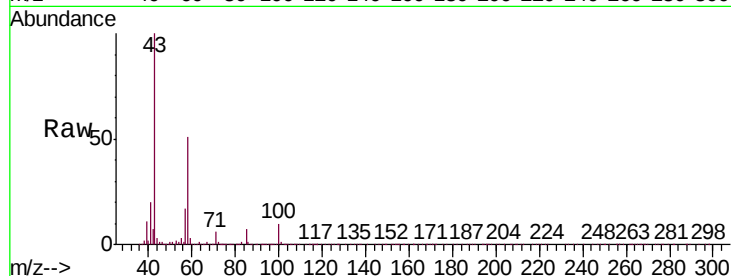




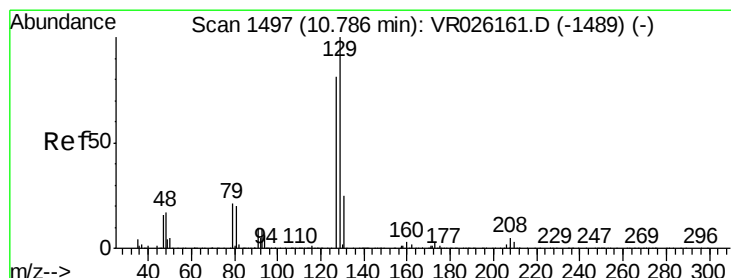
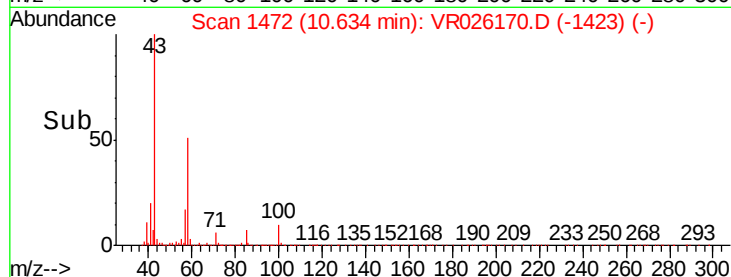
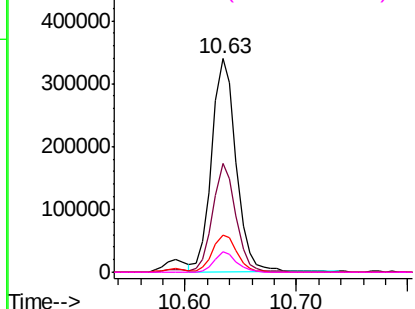
#48
2-Hexanone
Concen: 57.628 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

Tgt Ion:	43	Resp:	514215
Ion	Ratio	Lower	Upper
43	100		
58	48.3	39.6	59.4
57	17.1	14.0	21.0
100	8.8	7.0	10.6

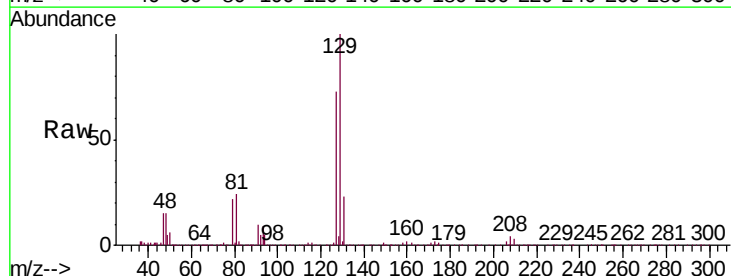


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

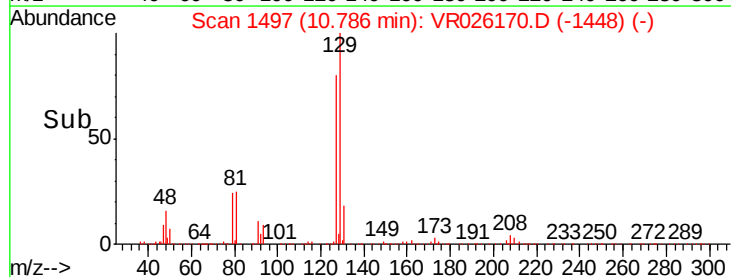
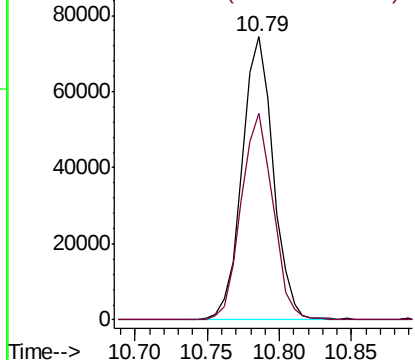


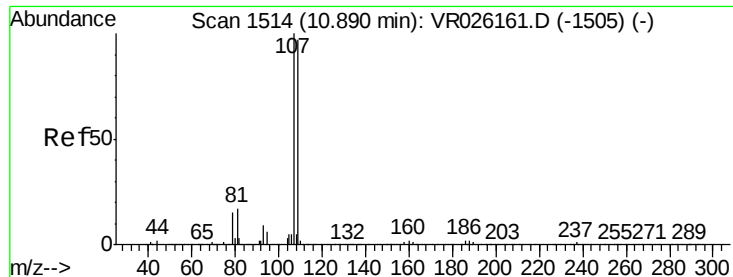
#49
Dibromochloromethane
Concen: 5.224 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion:	129	Resp:	110923
Ion	Ratio	Lower	Upper
129	100		
127	73.1	55.0	102.2



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

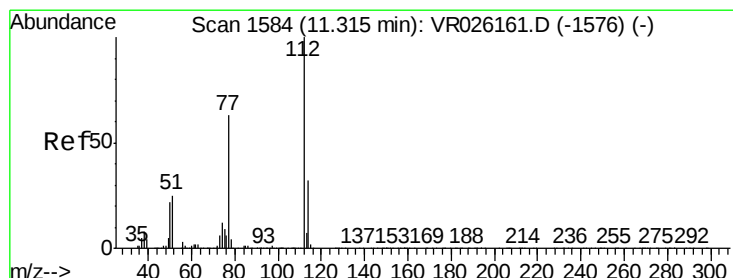
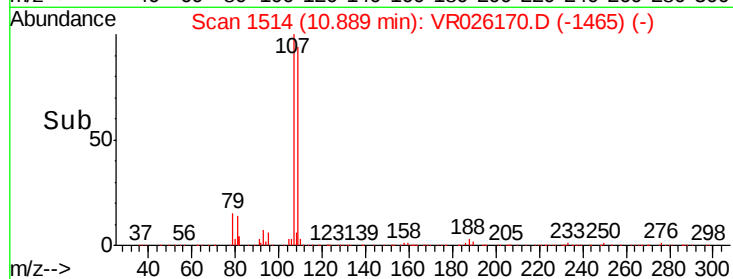
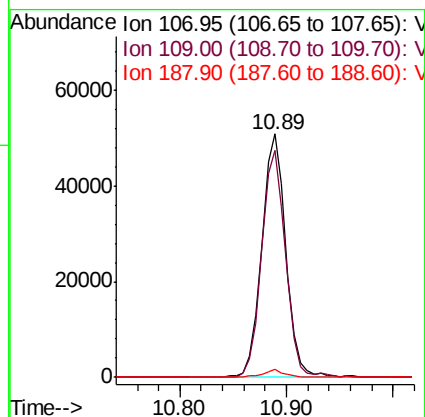
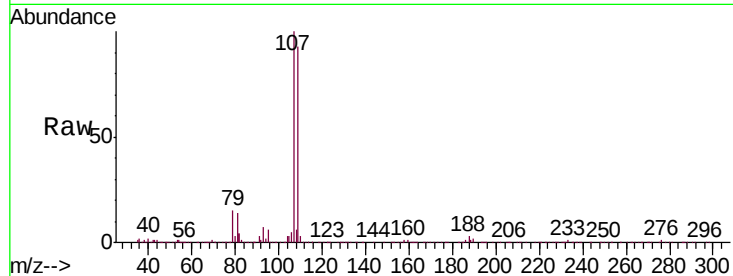




#50
1,2-Dibromoethane
Concen: 4.929 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

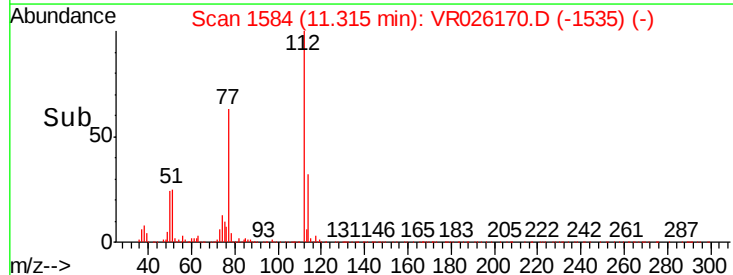
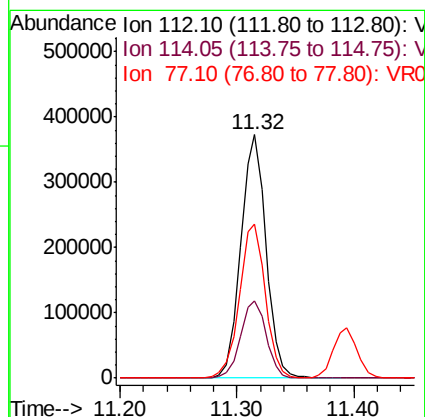
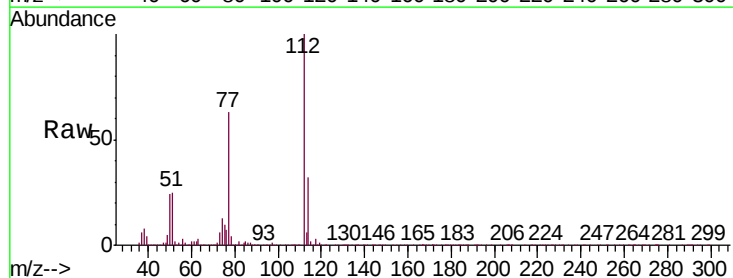
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

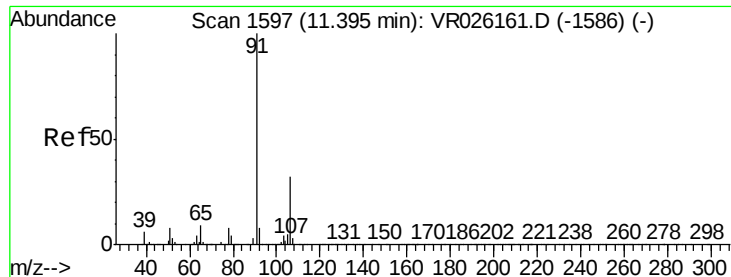
Tgt Ion:107 Resp: 80353
Ion Ratio Lower Upper
107 100
109 93.3 58.7 109.1
188 3.9 2.9 4.3



#51
Chlorobenzene
Concen: 4.538 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion:112 Resp: 562221
Ion Ratio Lower Upper
112 100
114 31.6 22.8 42.4
77 63.4 51.5 77.3





#52

Ethylbenzene

Concen: 4.452 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

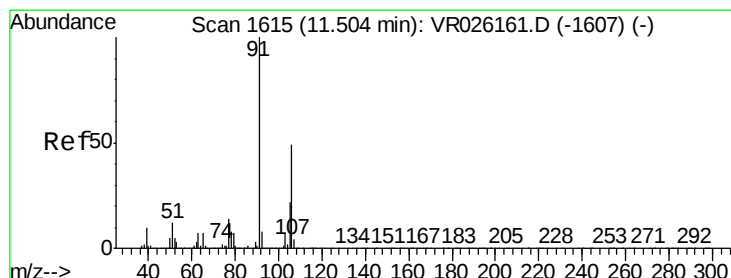
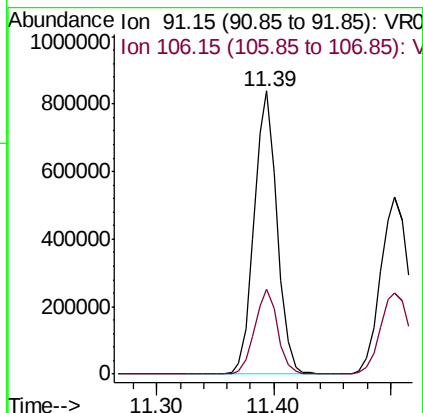
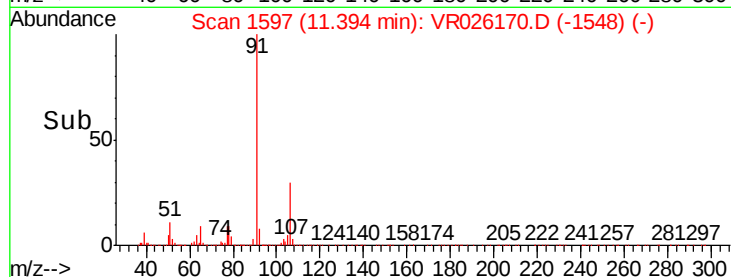
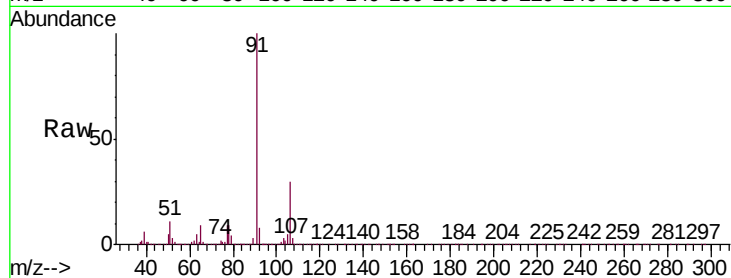
VSTD00582

Tgt Ion: 91 Resp: 1145592

Ion Ratio Lower Upper

91 100

106 29.9 21.2 39.4



#53

m,p-Xylene

Concen: 4.440 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026170.D

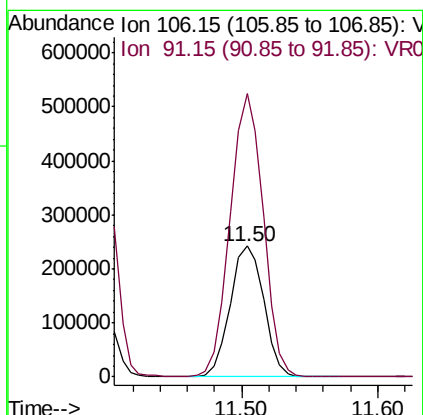
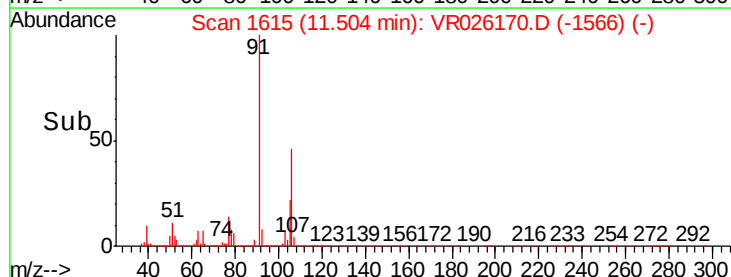
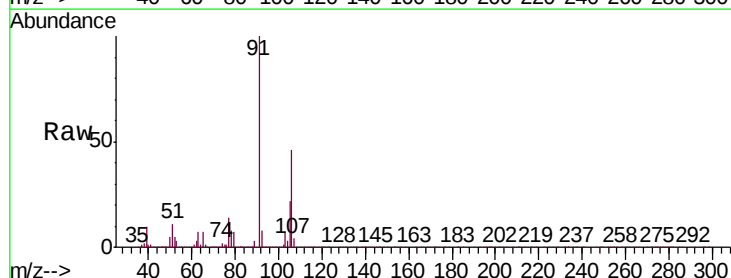
Acq: 2 Nov 2018 20:41

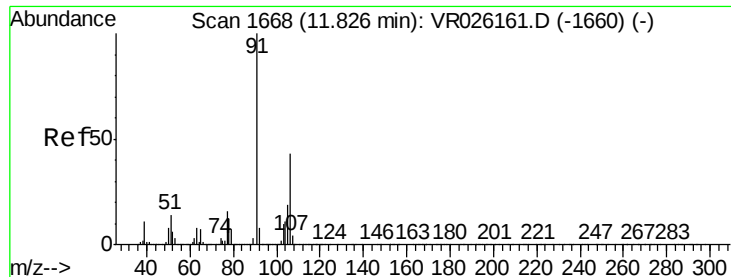
Tgt Ion: 106 Resp: 416325

Ion Ratio Lower Upper

106 100

91 216.4 145.3 269.8

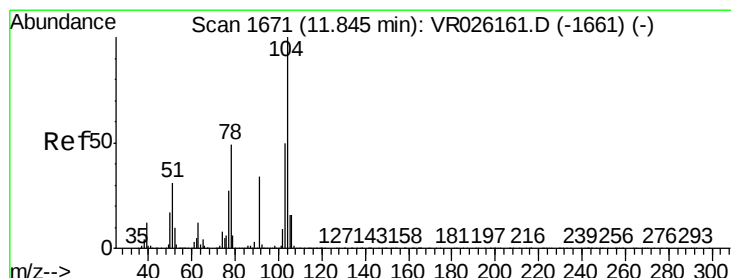
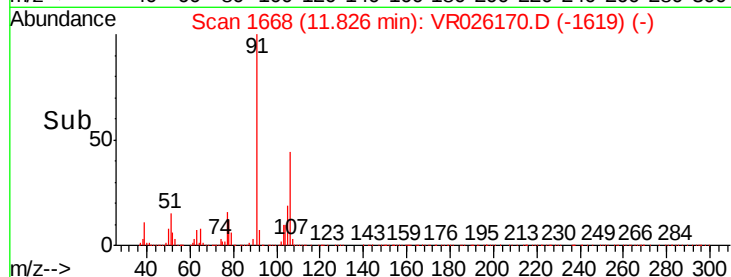
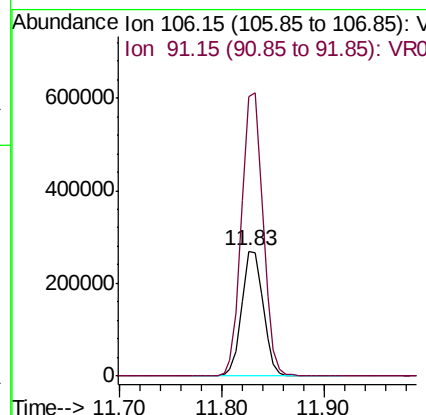
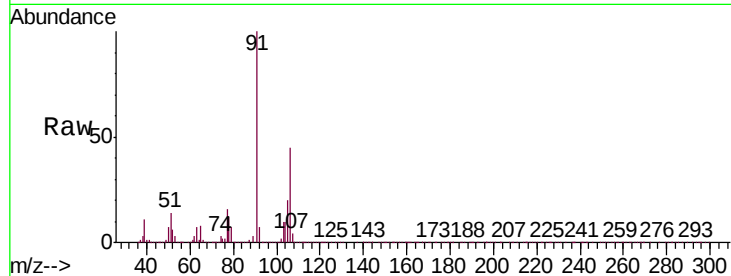




#54
o-Xylene
Concen: 4.541 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

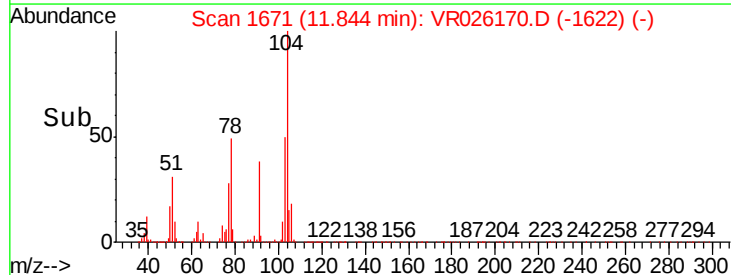
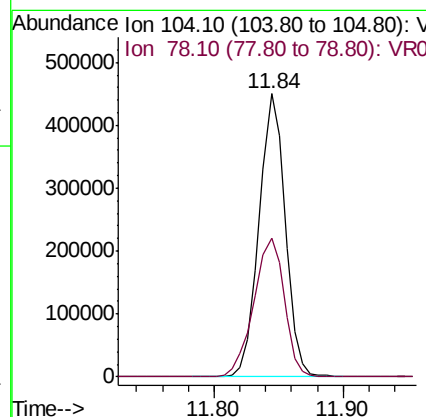
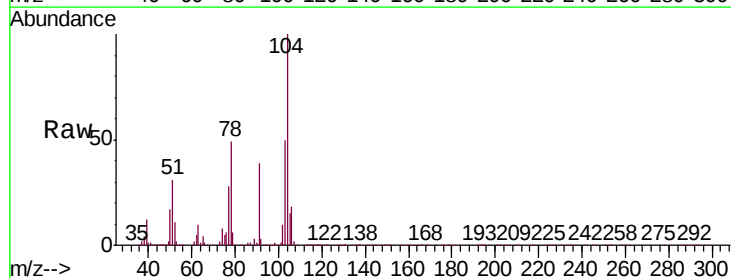
Instrument :
MSVOA_R
ClientSampleId :
VSTD00582

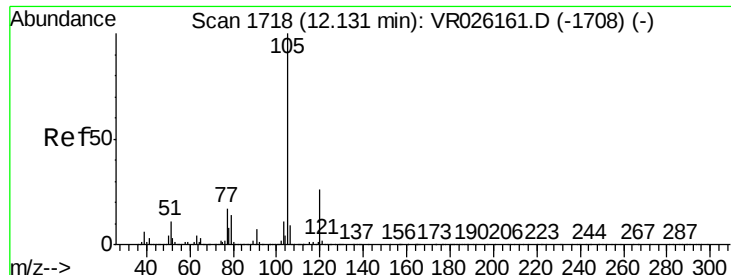
Tgt Ion:106 Resp: 390339
Ion Ratio Lower Upper
106 100
91 224.5 155.8 289.3



#55
Styrene
Concen: 4.760 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026170.D
Acq: 2 Nov 2018 20:41

Tgt Ion:104 Resp: 629798
Ion Ratio Lower Upper
104 100
78 49.0 34.7 64.5





#56

Isopropylbenzene

Concen: 4.441 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

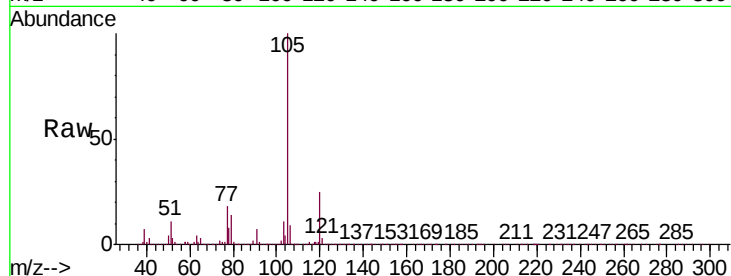
Tgt Ion: 105 Resp: 1060309

Ion Ratio Lower Upper

105 100

120 25.5 21.0 31.4

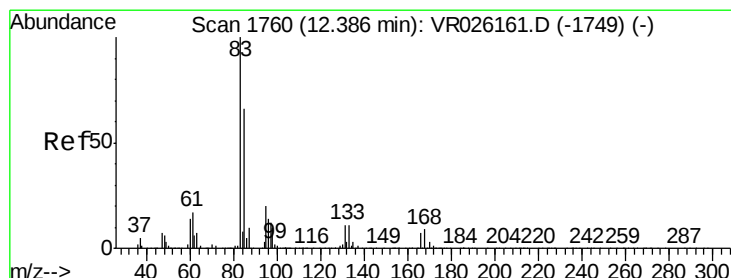
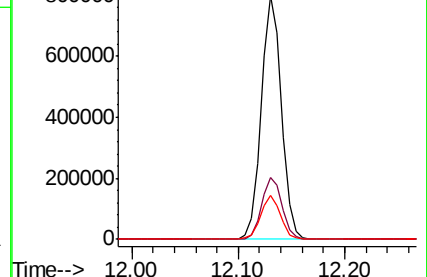
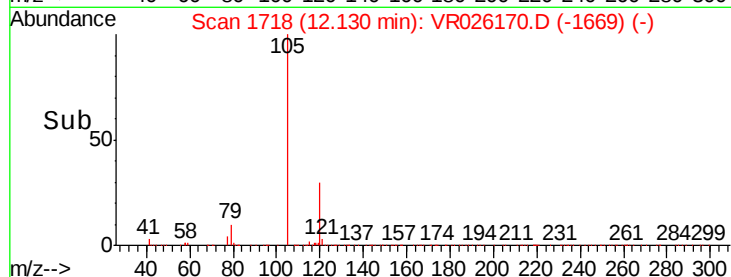
77 17.6 14.6 21.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.108 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

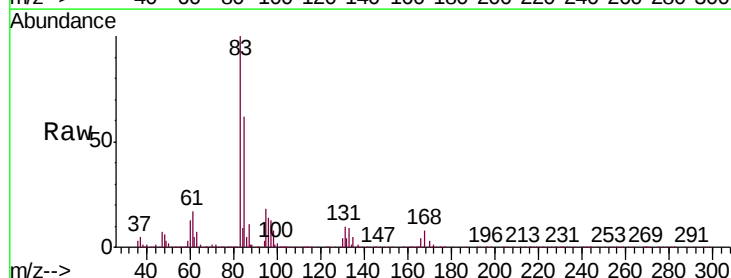
Tgt Ion: 83 Resp: 97959

Ion Ratio Lower Upper

83 100

85 61.7 44.0 81.8

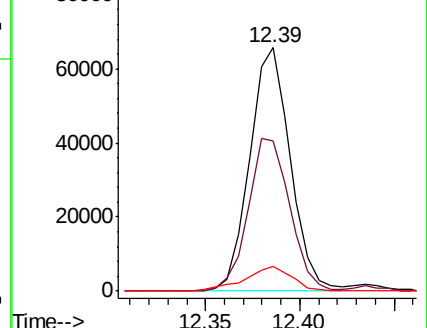
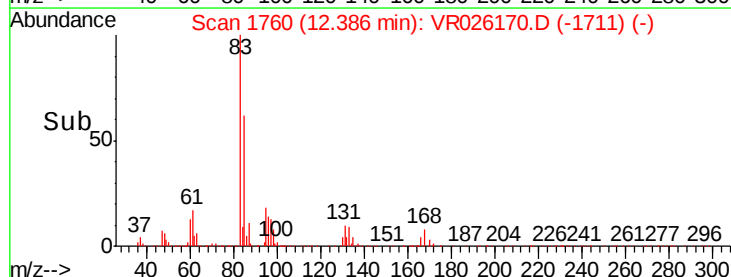
131 10.1 8.0 12.0

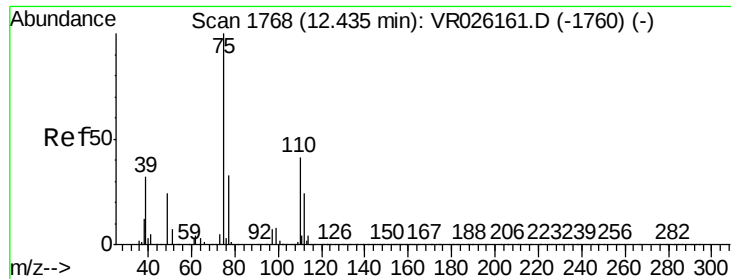


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

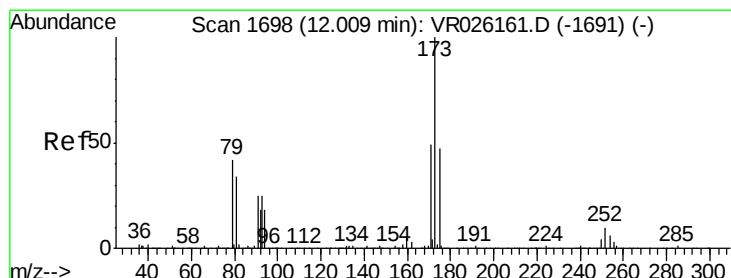
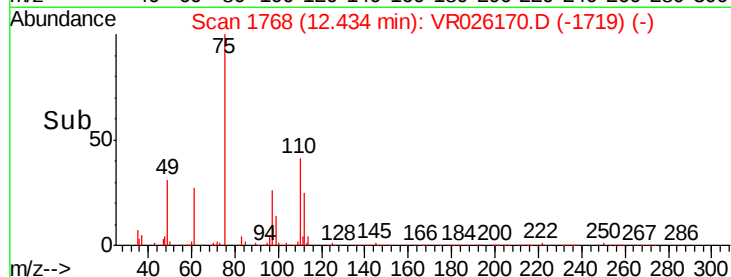
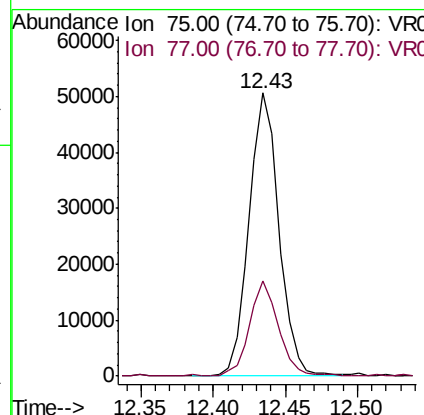
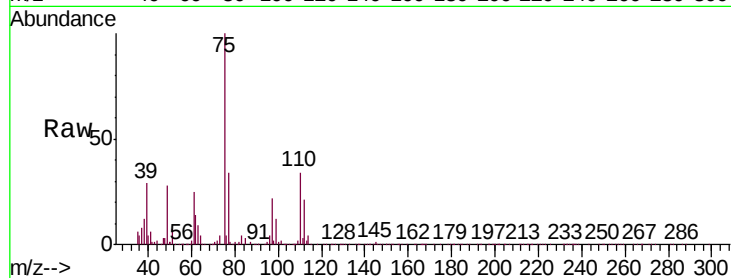




#59
 1,2,3-Trichloropropane
 Concen: 5.101 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

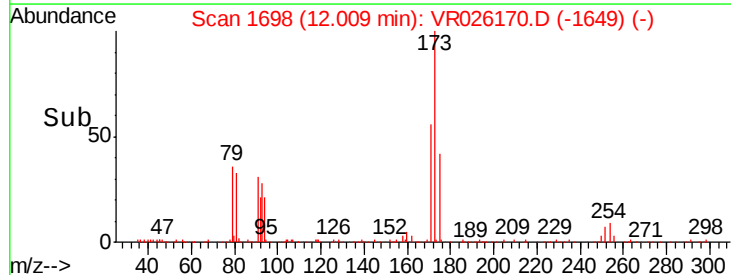
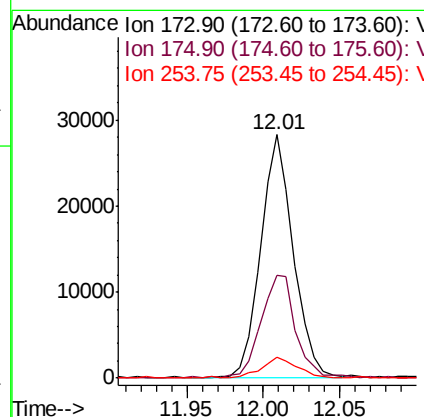
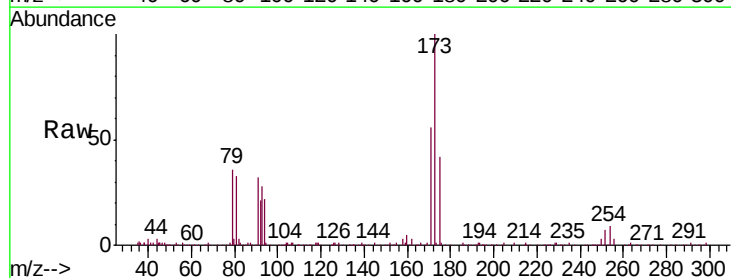
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

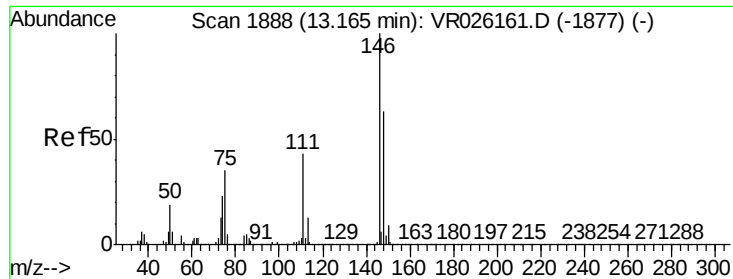
Tgt Ion: 75 Resp: 71825
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2



#61
 Bromoform
 Concen: 5.079 ug/L
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion: 173 Resp: 41621
 Ion Ratio Lower Upper
 173 100
 175 45.8 39.0 58.4
 254 9.5 8.1 12.1

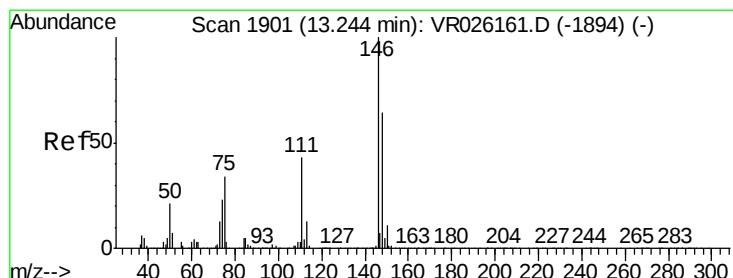
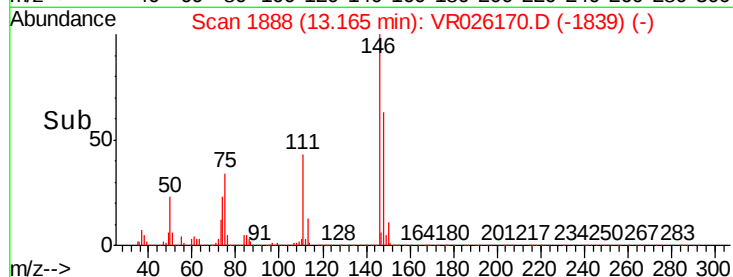
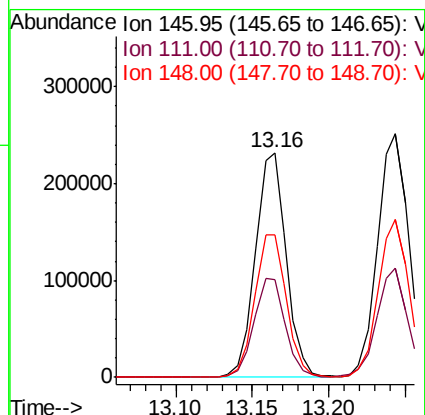
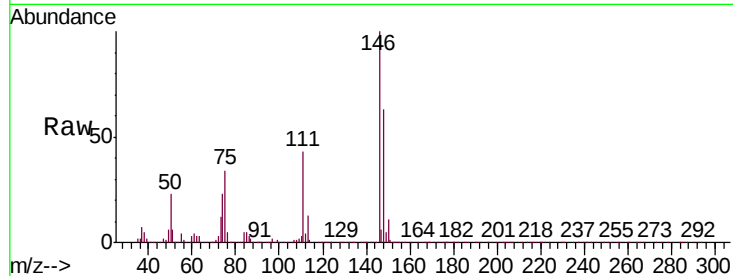




#62
 1,3-Dichlorobenzene
 Concen: 4.151 ug/L
 RT: 13.16 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

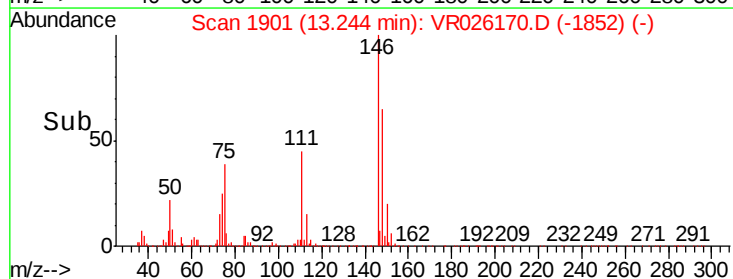
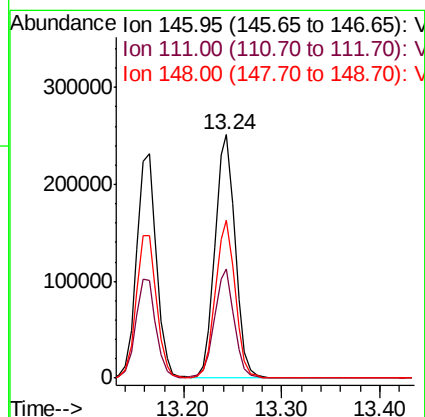
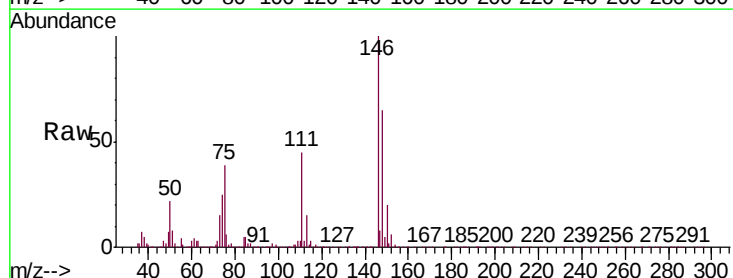
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

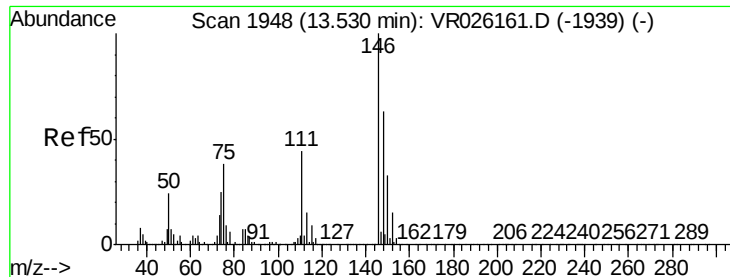
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	32.1	59.7
148	63.3	43.8	81.3



#63
 1,4-Dichlorobenzene
 Concen: 4.433 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	32.6	60.6
148	64.8	46.7	86.7

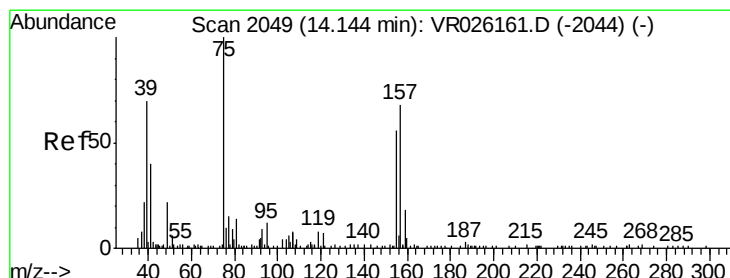
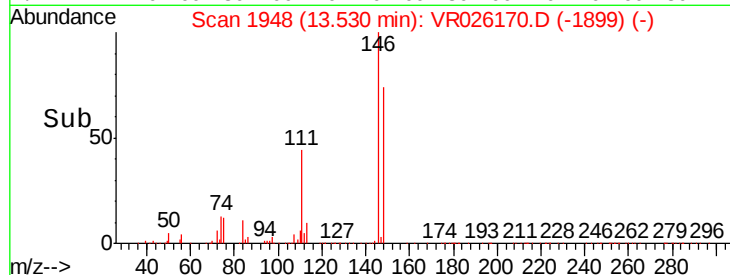
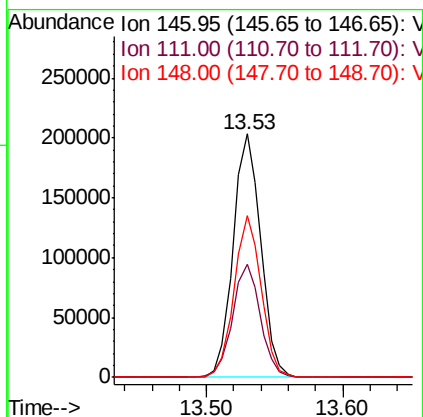
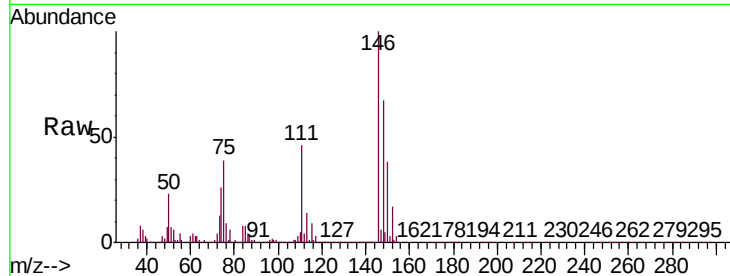




#65
 1,2-Dichlorobenzene
 Concen: 4.565 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

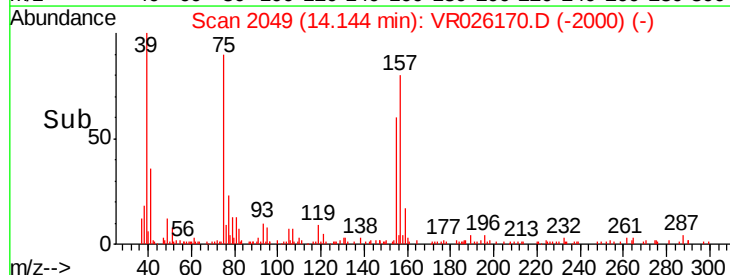
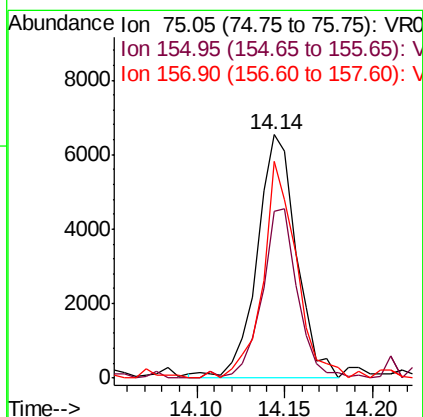
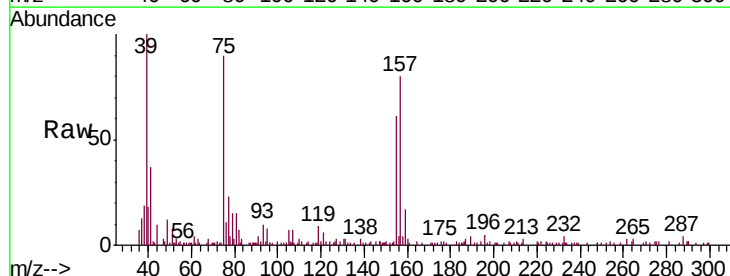
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

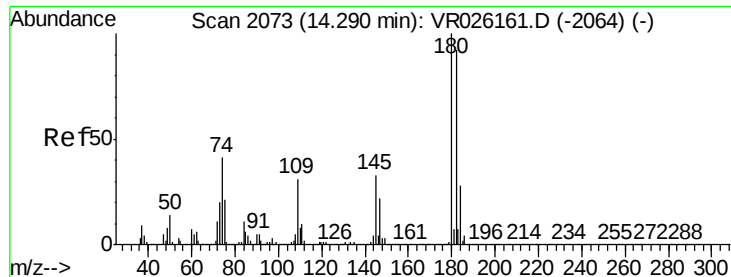
Tgt Ion:146 Resp: 286984
 Ion Ratio Lower Upper
 146 100
 111 46.4 35.2 52.8
 148 66.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.977 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion: 75 Resp: 10186
 Ion Ratio Lower Upper
 75 100
 155 68.3 40.9 61.3#
 157 89.2 67.3 100.9

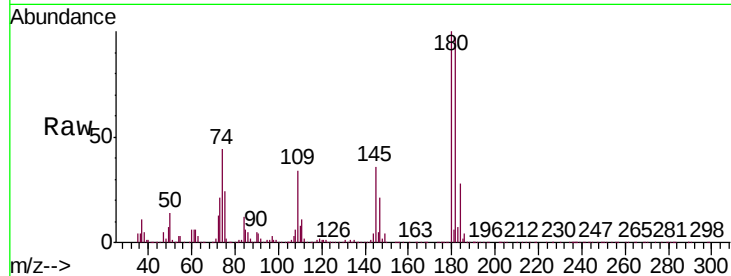




#67
 1,3,5-Trichlorobenzene
 Concen: 4.169 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00582

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.5	116.3
184	29.7	25.0	37.4
145	33.9	27.6	41.4



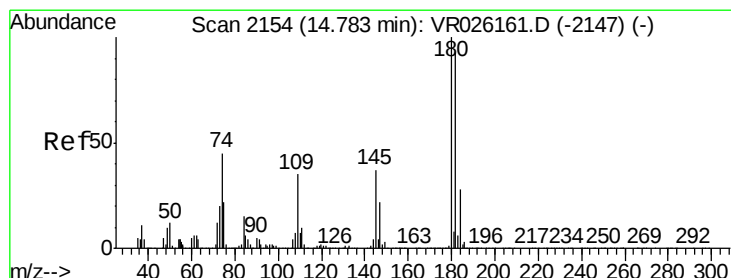
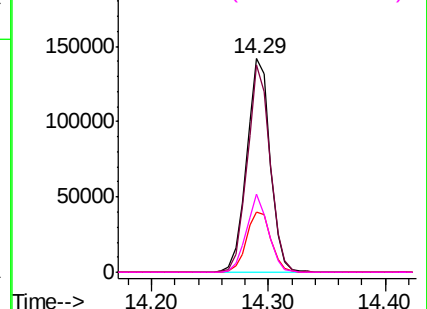
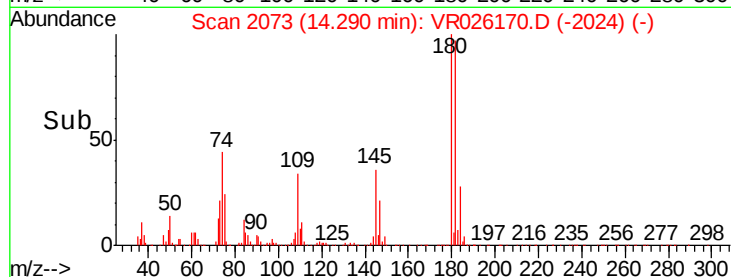
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

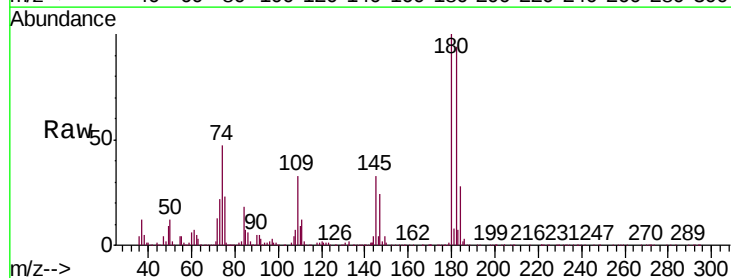
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.523 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026170.D
 Acq: 2 Nov 2018 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
145	33.9	28.2	42.4

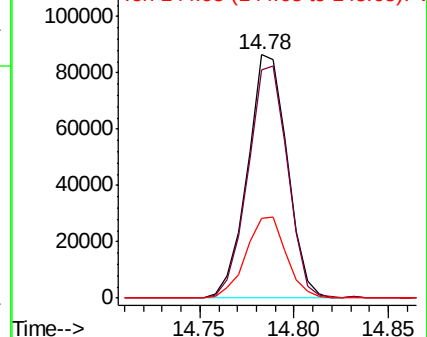
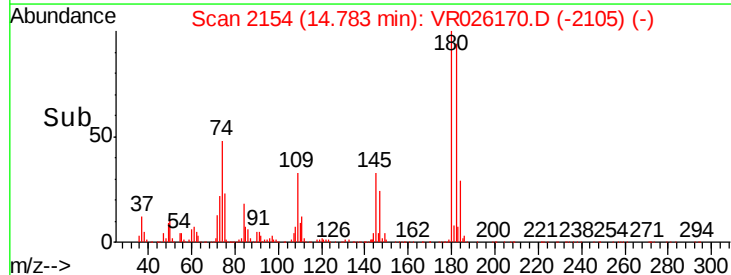


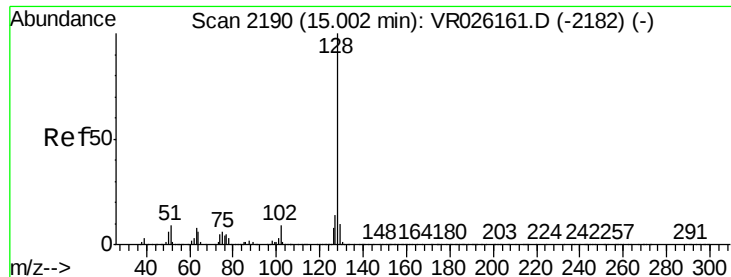
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.937 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Instrument :

MSVOA_R

ClientSampleId :

VSTD00582

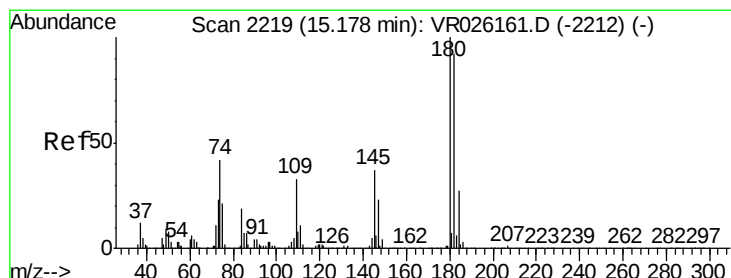
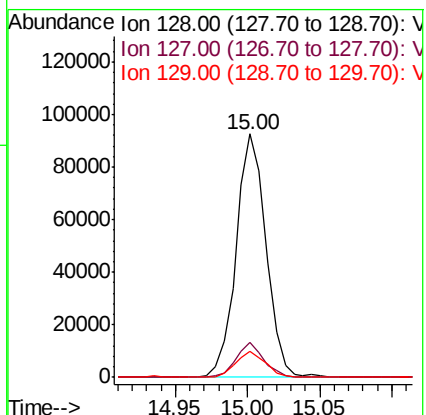
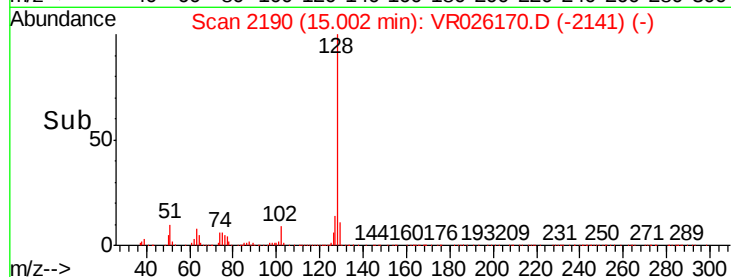
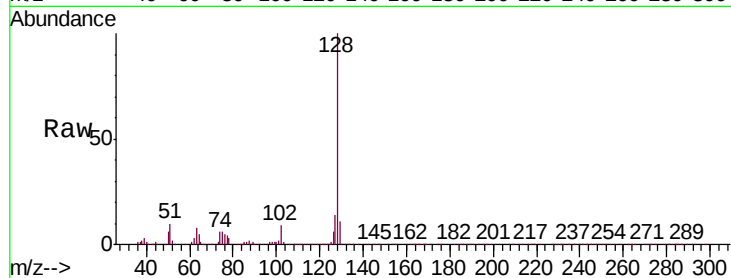
Tgt Ion:128 Resp: 133548

Ion Ratio Lower Upper

128 100

127 13.5 11.0 16.6

129 10.7 9.1 13.7



#70

1,2,3-Trichlorobenzene

Concen: 4.878 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026170.D

Acq: 2 Nov 2018 20:41

Tgt Ion:180 Resp: 94375

Ion Ratio Lower Upper

180 100

182 96.6 75.7 113.5

145 37.2 28.8 43.2

