

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR072018\
 Data File : VR025529.D
 Acq On : 20 Jul 2018 12:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Quant Time: Jul 20 23:33:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	605081	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	513427	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	202363	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	89831	5.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.80%
7) Chloroethane-d5	2.64	69	66895	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.20%
11) 1,1-Dichloroethene-d2	3.64	63	258476	5.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.20%
20) 2-Butanone-d5	6.59	46	216606	41.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.62%
24) Chloroform-d	7.20	84	411065	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
26) 1,2-Dichloroethane-d4	7.90	65	151088	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	7.86	84	867965	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	8.90	67	235238	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	9.97	98	806861	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	10.24	79	58819	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
46) 2-Hexanone-d5	10.59	63	202631	47.48	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.96%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	100848	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	164685	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	161569	4.726 ug/L	99
3) Chloromethane	2.01	50	89170	4.400 ug/L	96
5) Vinyl chloride	2.16	62	92767	5.095 ug/L	97
6) Bromomethane	2.53	94	48613	4.537 ug/L	94
8) Chloroethane	2.67	64	51170	4.514 ug/L	99
9) Trichlorofluoromethane	2.95	101	44313	1.490 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	99372	5.487 ug/L	95
12) 1,1-Dichloroethene	3.65	96	93514	5.170 ug/L	82
13) Acetone	3.71	43	95855	41.063 ug/L	97
14) Carbon disulfide	3.96	76	190751	4.634 ug/L	97
15) Methyl Acetate	4.20	43	21820	4.178 ug/L	95
16) Methylene chloride	4.41	84	53525	3.020 ug/L	92
17) Methyl tert-butyl Ether	4.90	73	250412	4.247 ug/L	98
18) trans-1,2-Dichloroethene	4.88	96	221717	4.927 ug/L	95
19) 1,1-Dichloroethane	5.69	63	372800	4.829 ug/L	96
21) 2-Butanone	6.69	43	231594	42.592 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	218658	5.295 ug/L #	97

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 Data File : VR025529.D
 Acq On : 20 Jul 2018 12:15
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Quant Time: Jul 20 23:33:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 20 01:22:24 2018
 Response via : Initial Calibration

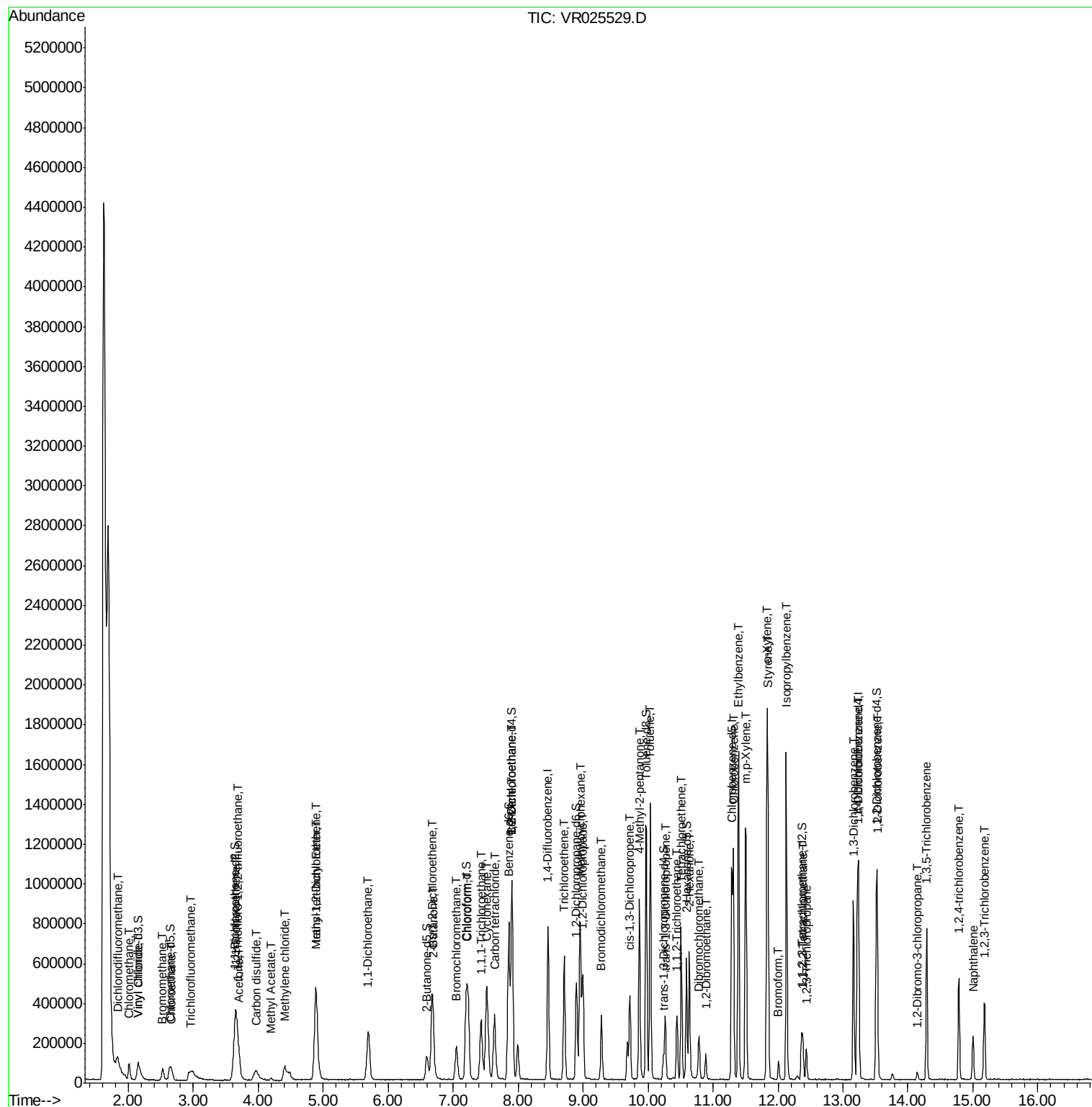
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	62601	4.708	ug/L	90
25) Chloroform	7.23	83	362959	4.895	ug/L	96
27) 1,2-Dichloroethane	7.91	62	7526	0.226	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	252549	4.836	ug/L	100
30) Cyclohexane	7.52	56	299599	5.348	ug/L	97
31) Carbon tetrachloride	7.64	117	253263	5.482	ug/L	97
33) Benzene	7.91	78	907540	5.128	ug/L	100
34) Trichloroethene	8.71	95	219812	4.879	ug/L	95
35) Methylcyclohexane	8.96	83	331422	5.502	ug/L	96
37) 1,2-Dichloropropane	8.99	63	204130	4.962	ug/L	99
38) Bromodichloromethane	9.28	83	203611	4.856	ug/L	92
39) cis-1,3-Dichloropropene	9.72	75	231438	5.003	ug/L	96
40) 4-Methyl-2-pentanone	9.86	43	554182	46.487	ug/L	96
42) Toluene	10.03	91	930830	5.409	ug/L	98
44) trans-1,3-Dichloropropene	10.27	75	163176	4.804	ug/L	98
45) 1,1,2-Trichloroethane	10.44	97	92256	4.577	ug/L	95
47) Tetrachloroethene	10.51	164	155781	5.295	ug/L	94
48) 2-Hexanone	10.64	43	369791	45.093	ug/L #	95
49) Dibromochloromethane	10.78	129	100412	4.778	ug/L	100
50) 1,2-Dibromoethane	10.89	107	75195	4.605	ug/L	98
51) Chlorobenzene	11.31	112	536887	5.124	ug/L	95
52) Ethylbenzene	11.39	91	1040617	5.639	ug/L	97
53) m,p-Xylene	11.50	106	391450	5.653	ug/L	88
54) o-Xylene	11.83	106	349226	5.855	ug/L	97
55) Styrene	11.85	104	560403	5.710	ug/L	89
56) Isopropylbenzene	12.13	105	950084	6.015	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.38	83	93546	4.712	ug/L #	96
59) 1,2,3-Trichloropropane	12.43	75	63292	4.429	ug/L	99
61) Bromoform	12.01	173	37400	4.538	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	308587	5.204	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	334194	5.077	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	267796	5.197	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.15	75	8778	3.851	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.29	180	206874	5.342	ug/L	99
68) 1,2,4-trichlorobenzene	14.79	180	130612	4.907	ug/L	99
69) Naphthalene	15.00	128	160194	4.699	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	109412	5.329	ug/L	96

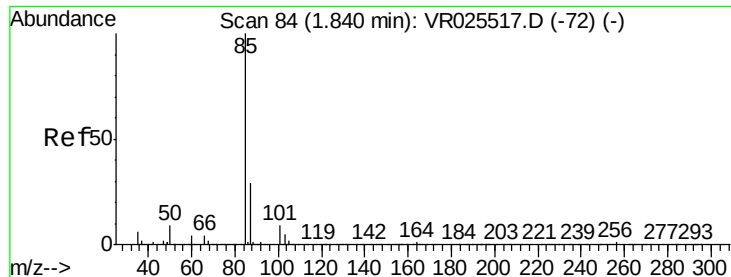
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR072018\
Data File : VR025529.D
Acq On : 20 Jul 2018 12:15
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

Quant Time: Jul 20 23:33:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
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#2

Dichlorodifluoromethane

Concen: 4.726 ug/L

RT: 1.83 min Scan# 83

Delta R.T. -0.01 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

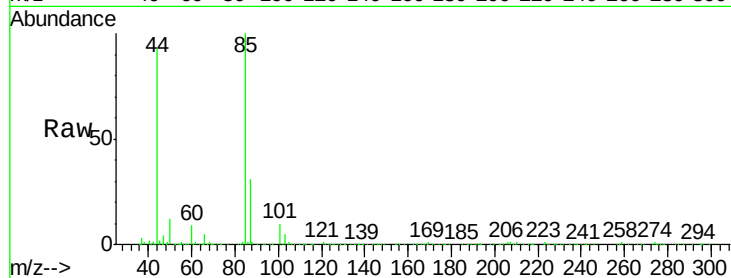
VSTD00581

Tgt Ion: 85 Resp: 161569

Ion Ratio Lower Upper

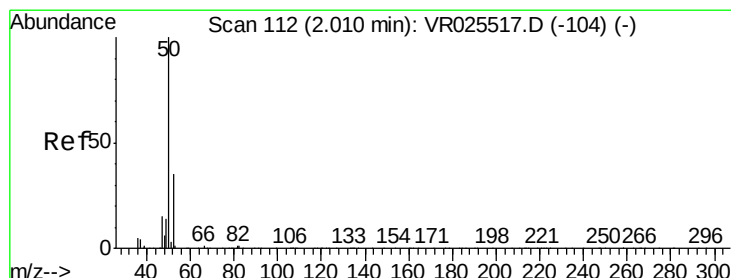
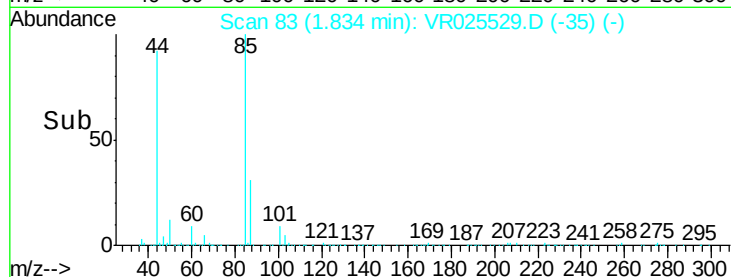
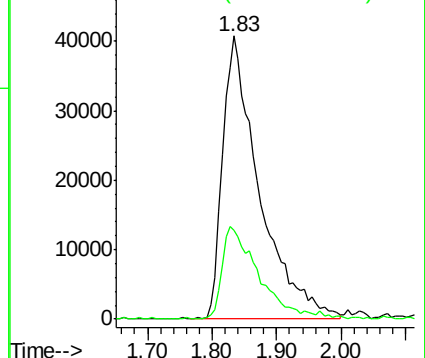
85 100

87 32.3 25.4 38.0



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 4.400 ug/L

RT: 2.01 min Scan# 112

Delta R.T. -0.00 min

Lab File: VR025529.D

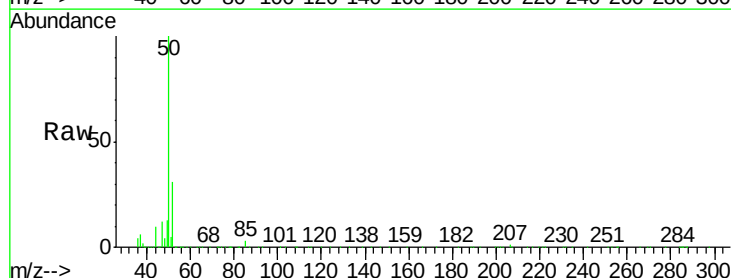
Acq: 20 Jul 2018 12:15

Tgt Ion: 50 Resp: 89170

Ion Ratio Lower Upper

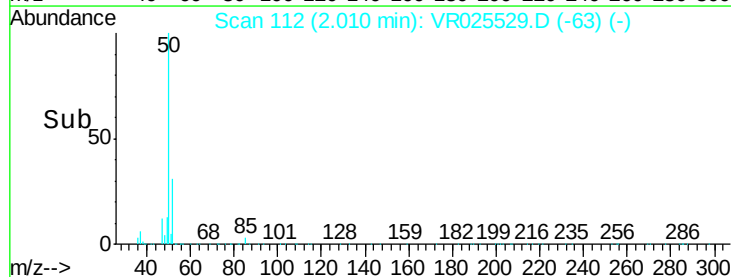
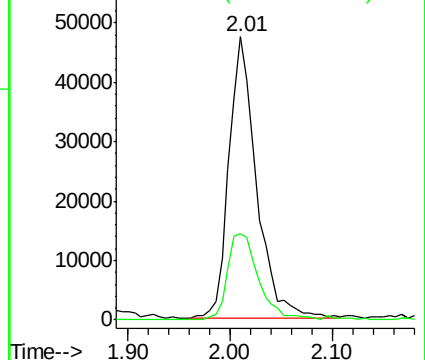
50 100

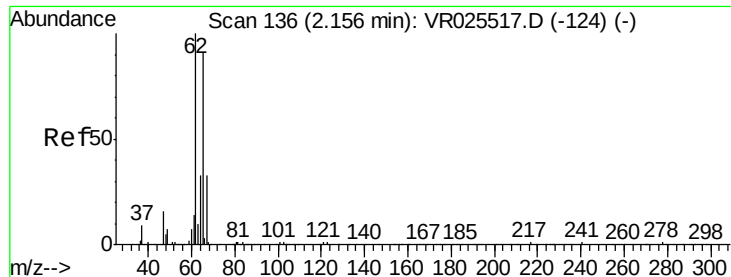
52 30.6 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.095 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

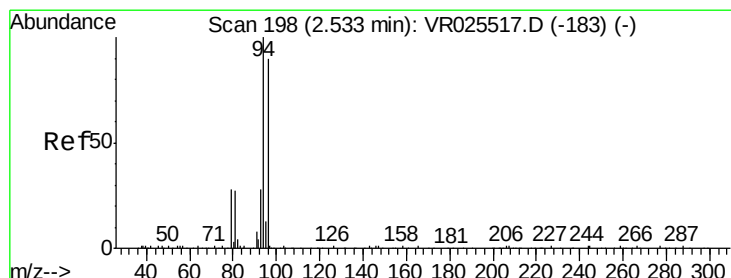
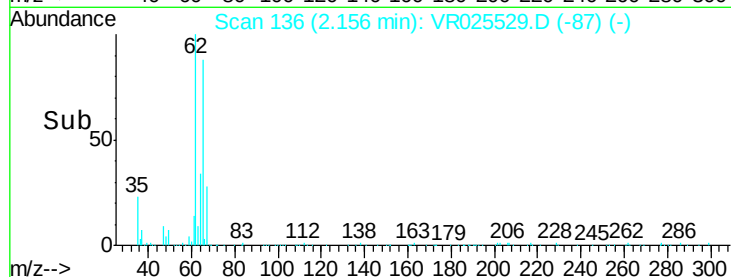
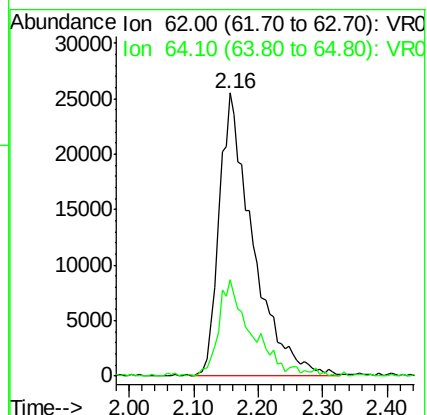
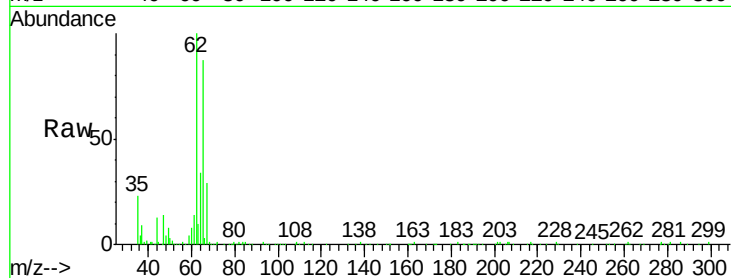
VSTD00581

Tgt Ion: 62 Resp: 92767

Ion Ratio Lower Upper

62 100

64 34.3 22.8 42.4



#6

Bromomethane

Concen: 4.537 ug/L

RT: 2.53 min Scan# 198

Delta R.T. -0.00 min

Lab File: VR025529.D

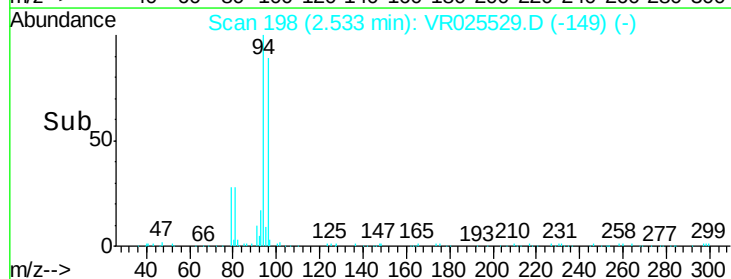
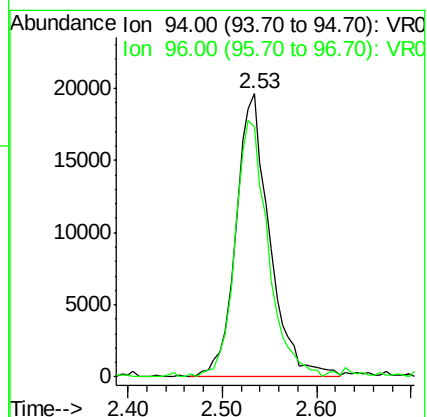
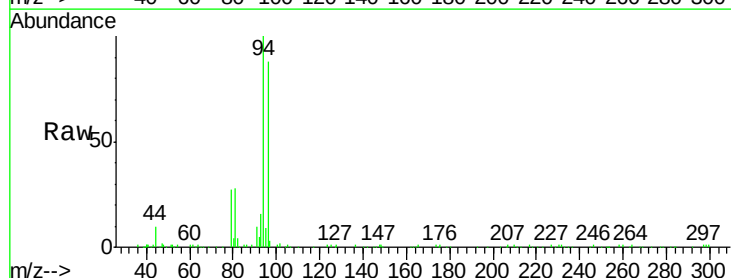
Acq: 20 Jul 2018 12:15

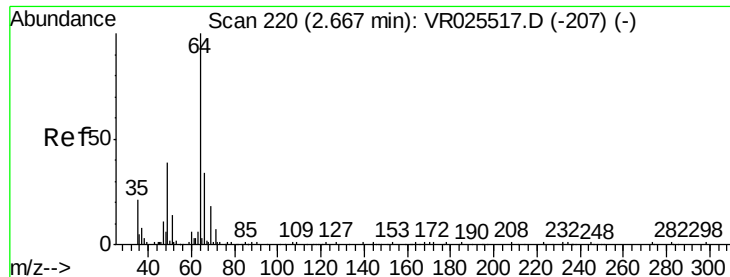
Tgt Ion: 94 Resp: 48613

Ion Ratio Lower Upper

94 100

96 88.1 65.9 122.3





#8

Chloroethane

Concen: 4.514 ug/L

RT: 2.67 min Scan# 220

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

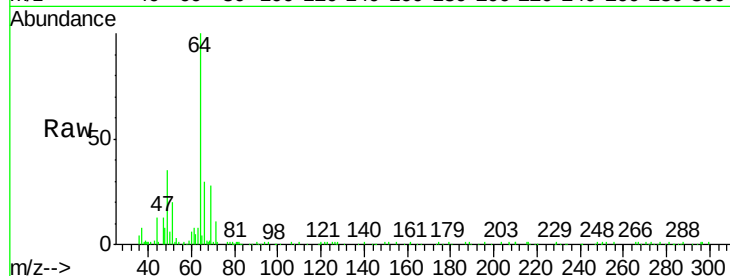
VSTD00581

Tgt Ion: 64 Resp: 51170

Ion Ratio Lower Upper

64 100

66 29.7 21.3 39.5



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.67

20000

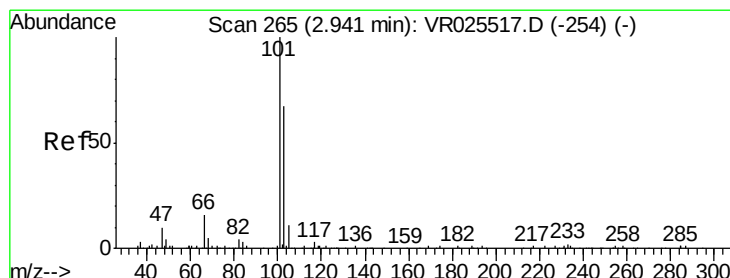
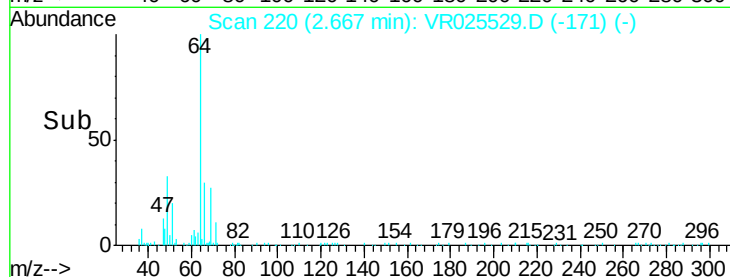
15000

10000

5000

0

Time--> 2.50 2.60 2.70 2.80



#9

Trichlorofluoromethane

Concen: 1.490 ug/L

RT: 2.95 min Scan# 266

Delta R.T. 0.01 min

Lab File: VR025529.D

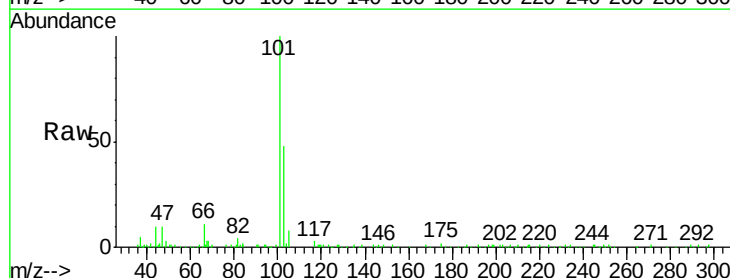
Acq: 20 Jul 2018 12:15

Tgt Ion: 101 Resp: 44313

Ion Ratio Lower Upper

101 100

103 173.5 11.0 16.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.95

20000

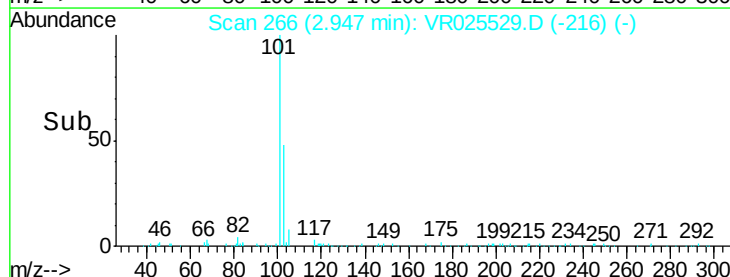
15000

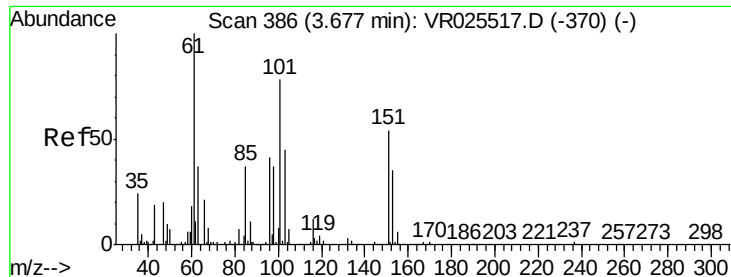
10000

5000

0

Time--> 2.85 2.90 2.95





#10

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

Concen: 5.487 ug/L

RT: 3.68 min Scan# 387

Delta R.T. 0.01 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD00581

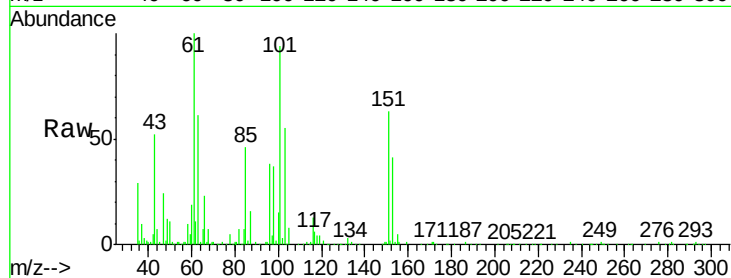
Tgt Ion:101 Resp: 99372

Ion Ratio Lower Upper

101 100

85 50.3 39.1 58.7

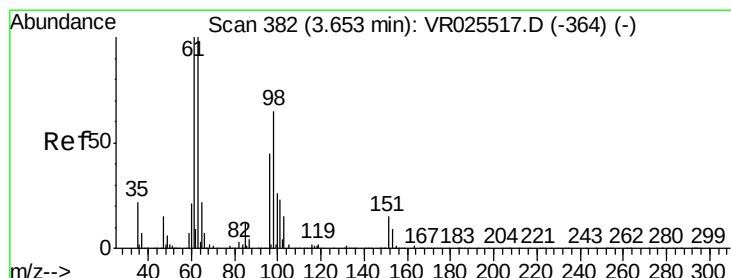
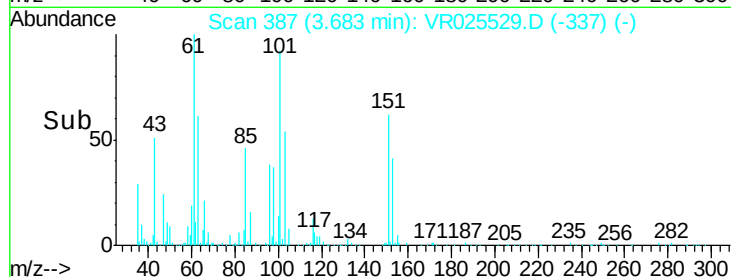
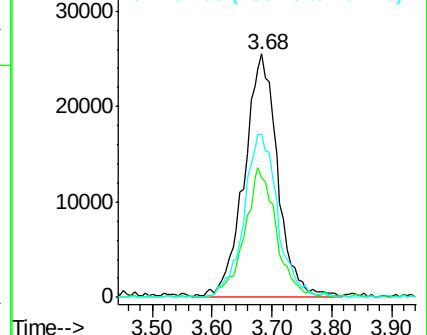
151 66.4 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.170 ug/L

RT: 3.65 min Scan# 382

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

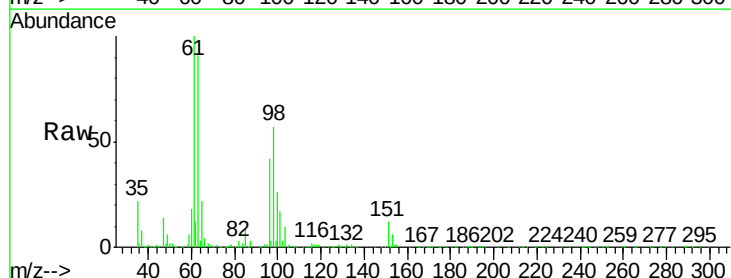
Tgt Ion: 96 Resp: 93514

Ion Ratio Lower Upper

96 100

61 235.7 155.0 287.9

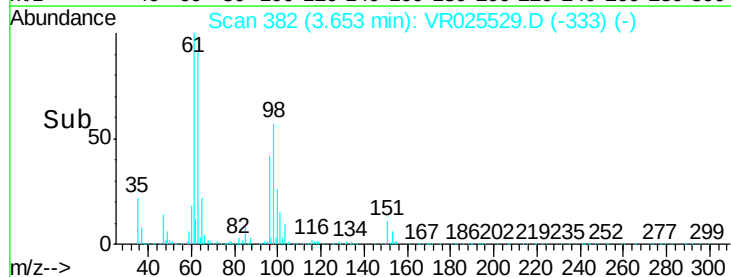
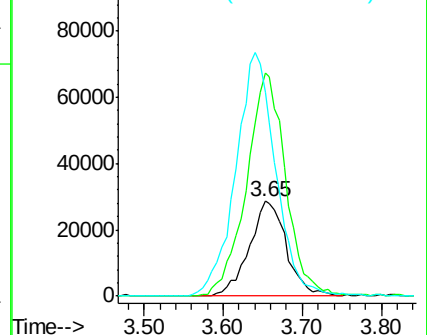
63 215.4 122.3 227.1

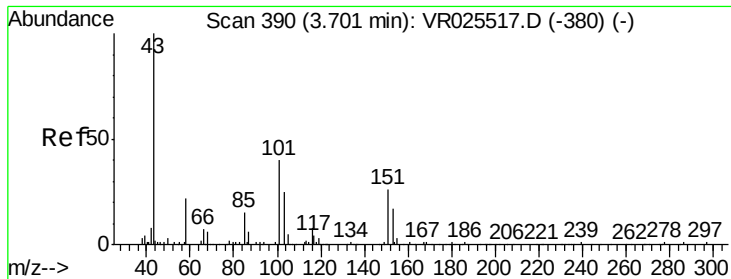


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 41.063 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampled :

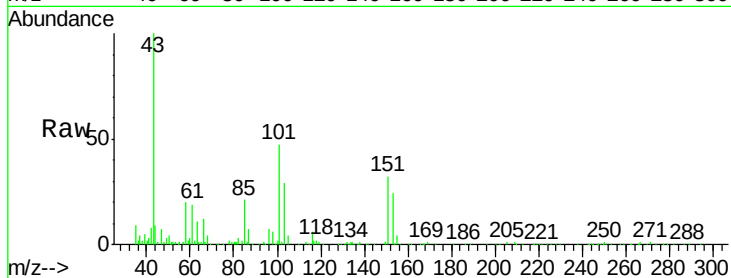
VSTD00581

Tgt Ion: 43 Resp: 95855

Ion Ratio Lower Upper

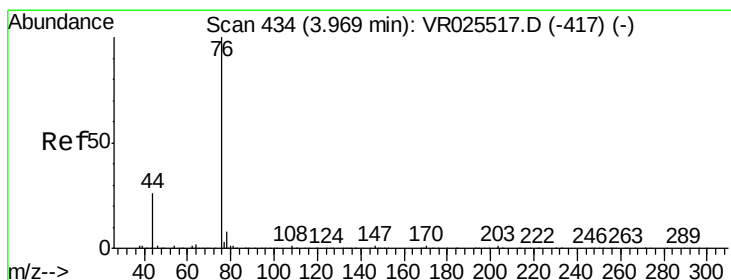
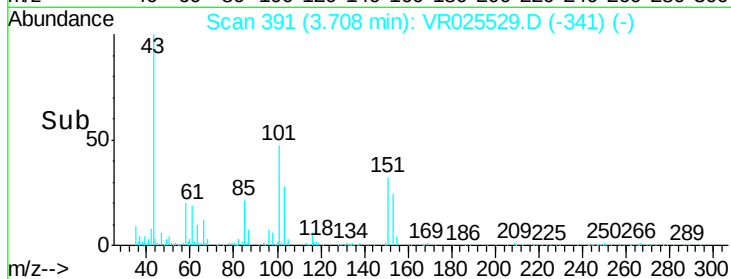
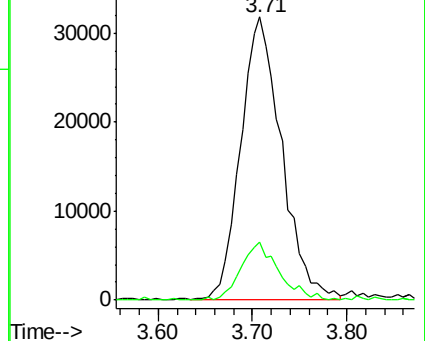
43 100

58 19.3 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 4.634 ug/L

RT: 3.96 min Scan# 432

Delta R.T. -0.01 min

Lab File: VR025529.D

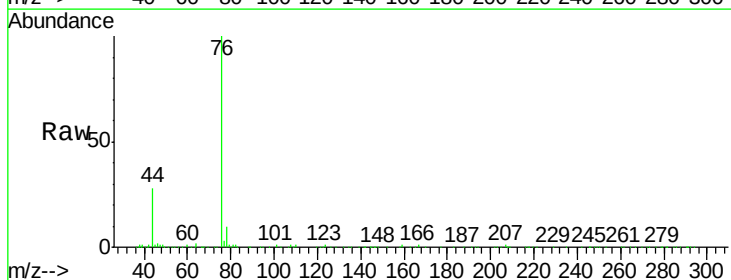
Acq: 20 Jul 2018 12:15

Tgt Ion: 76 Resp: 190751

Ion Ratio Lower Upper

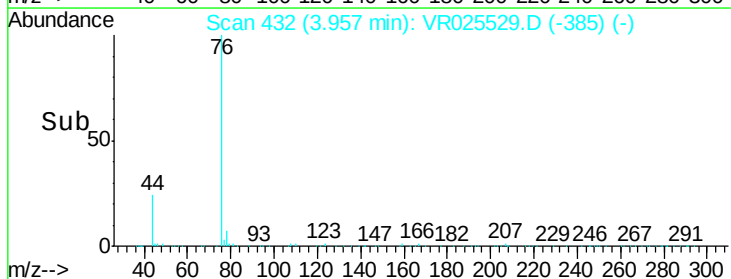
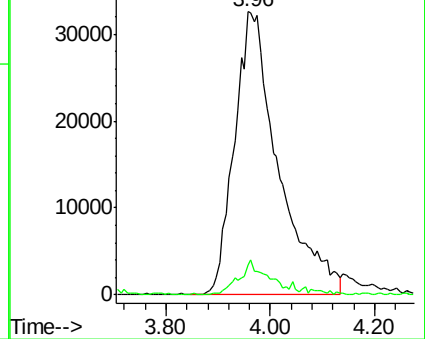
76 100

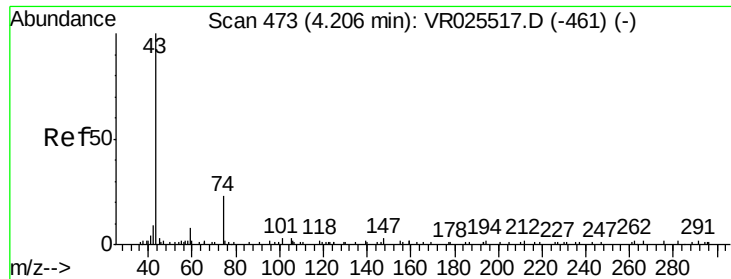
78 10.4 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

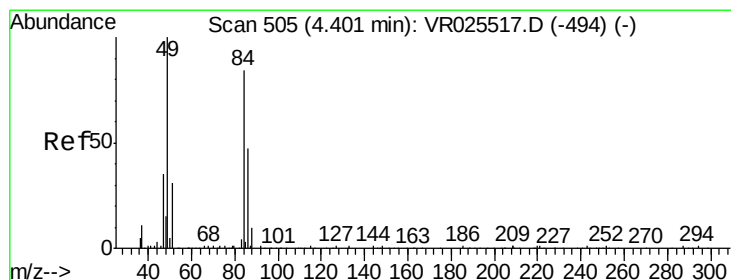
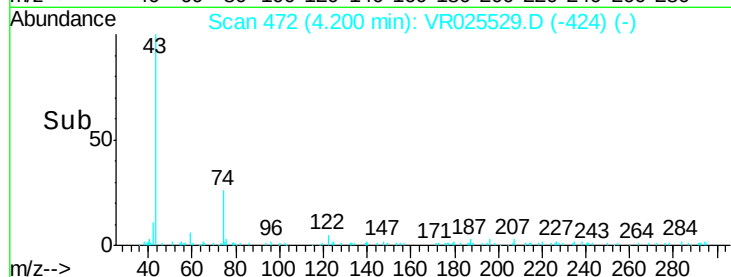
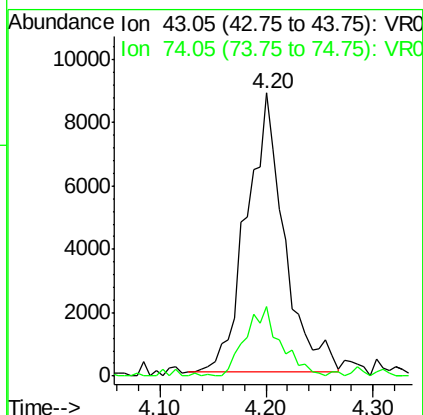
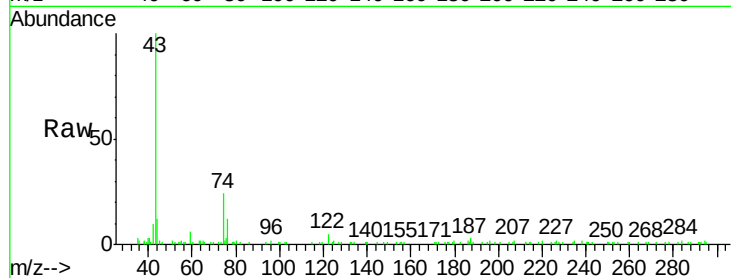




#15
Methyl Acetate
Concen: 4.178 ug/L
RT: 4.20 min Scan# 472
Delta R.T. -0.01 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

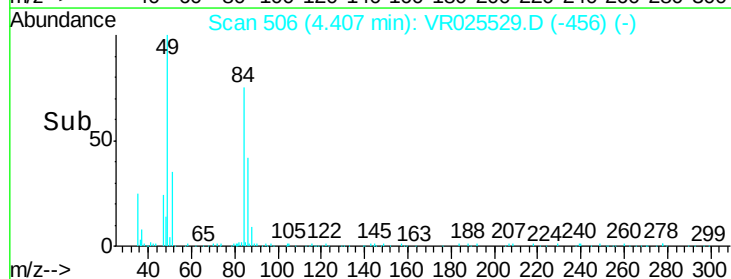
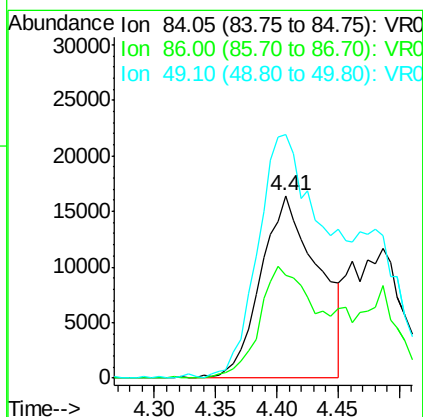
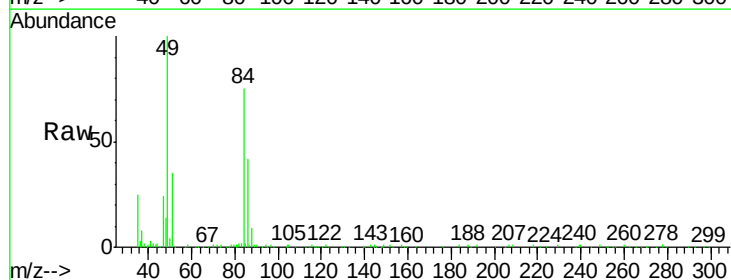
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

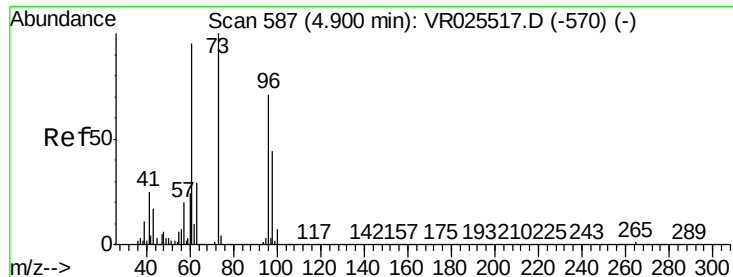
Tgt Ion: 43 Resp: 21820
Ion Ratio Lower Upper
43 100
74 23.1 16.7 25.1



#16
Methylene chloride
Concen: 3.020 ug/L
RT: 4.41 min Scan# 506
Delta R.T. 0.01 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 84 Resp: 53525
Ion Ratio Lower Upper
84 100
86 56.6 43.7 81.1
49 133.3 87.2 162.0

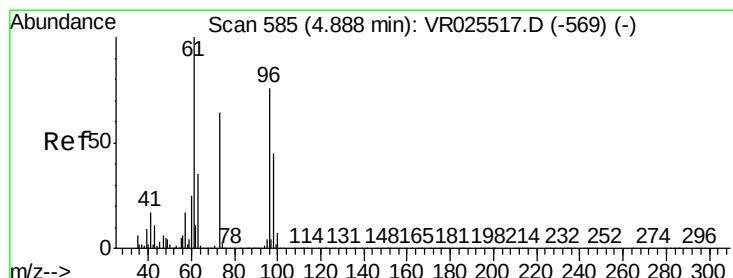
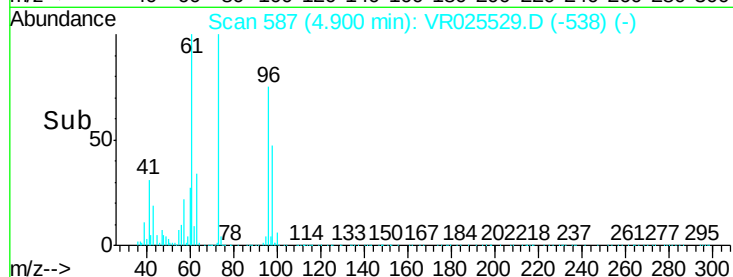
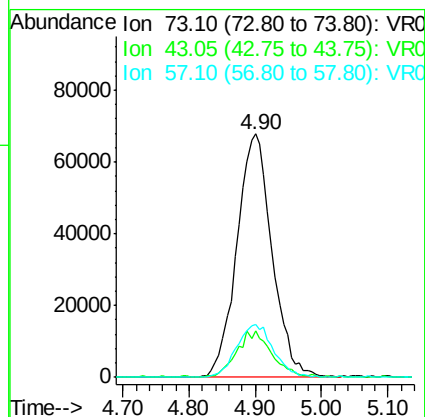
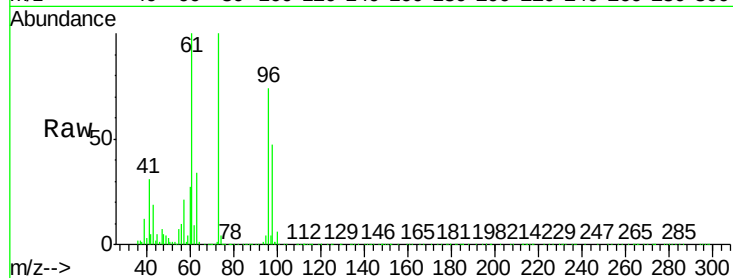




#17
Methyl tert-butyl Ether
Concen: 4.247 ug/L
RT: 4.90 min Scan# 587
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

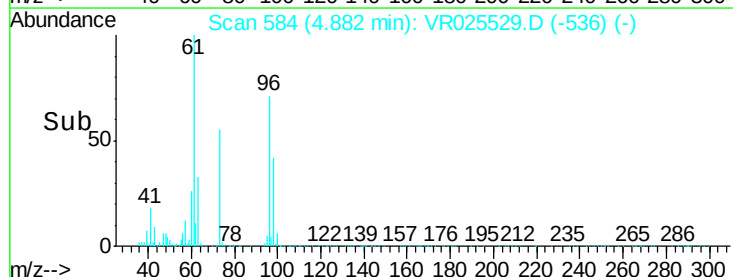
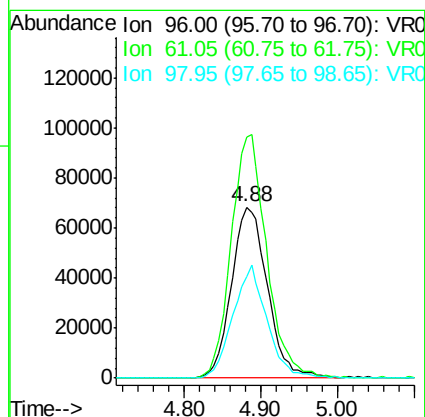
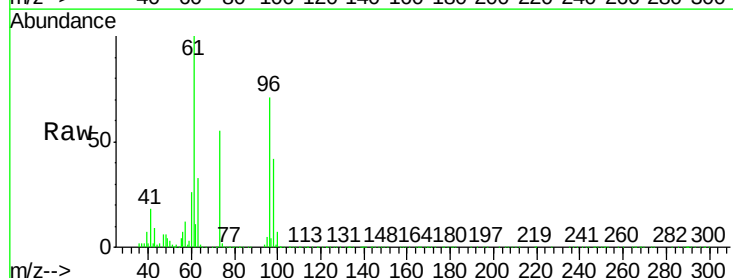
Instrument :
MSVOA_R
ClientSampled :
VSTD00581

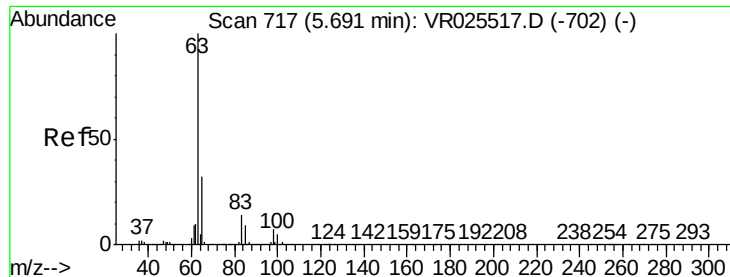
Tgt Ion: 73 Resp: 250412
Ion Ratio Lower Upper
73 100
43 18.8 15.8 23.6
57 22.8 19.0 28.4



#18
trans-1,2-Dichloroethene
Concen: 4.927 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 96 Resp: 221717
Ion Ratio Lower Upper
96 100
61 140.9 104.4 193.8
98 59.3 43.1 80.1

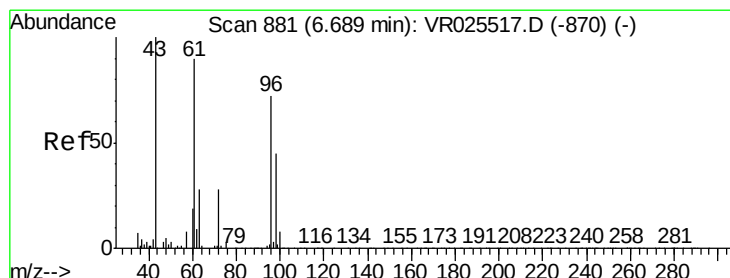
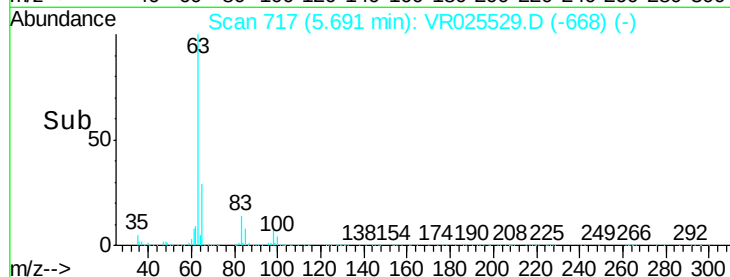
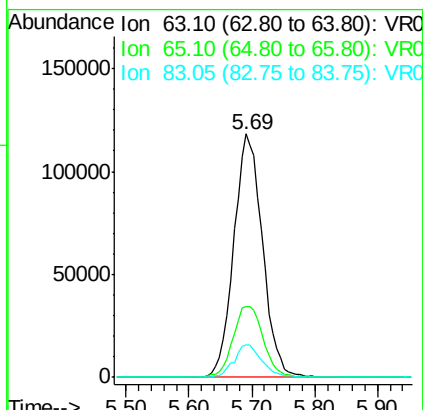
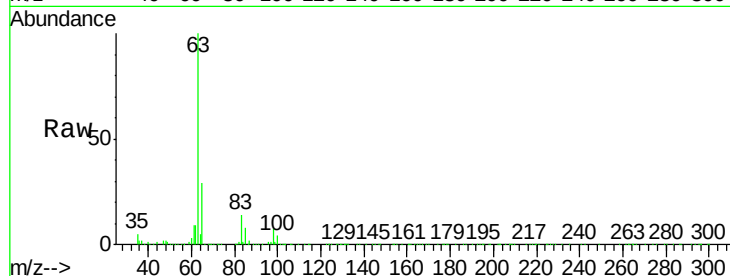




#19
1,1-Dichloroethane
Concen: 4.829 ug/L
RT: 5.69 min Scan# 717
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

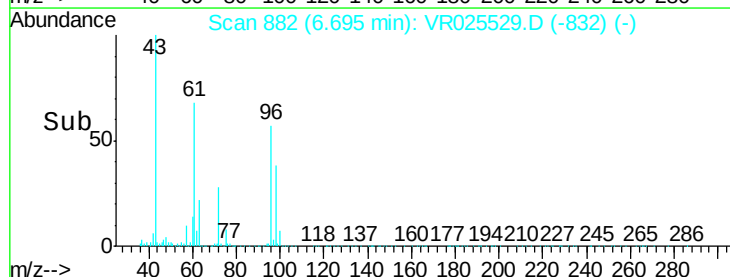
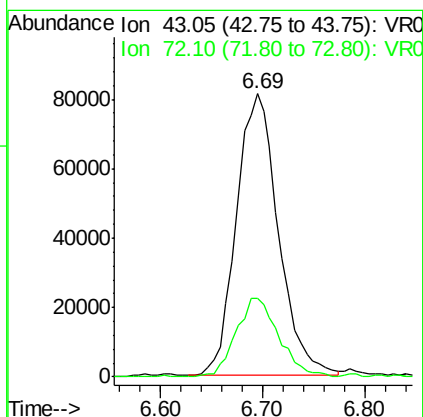
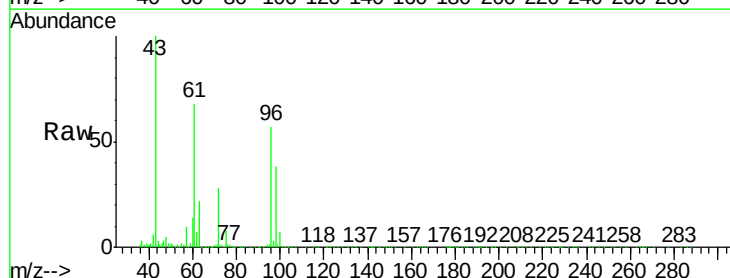
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

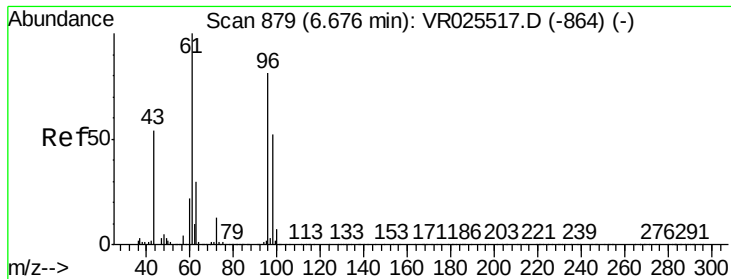
Tgt Ion: 63 Resp: 372800
Ion Ratio Lower Upper
63 100
65 29.2 22.5 41.7
83 13.5 9.5 17.7



#21
2-Butanone
Concen: 42.592 ug/L
RT: 6.69 min Scan# 882
Delta R.T. 0.01 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 231594
Ion Ratio Lower Upper
43 100
72 28.4 13.0 38.9



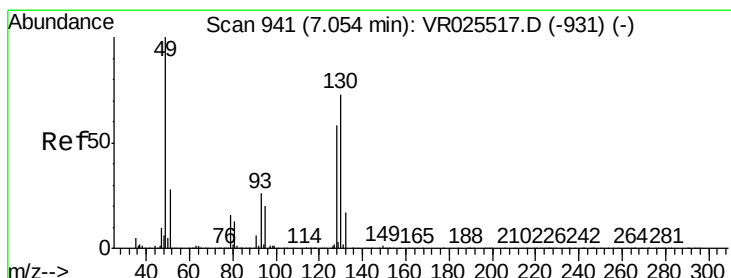
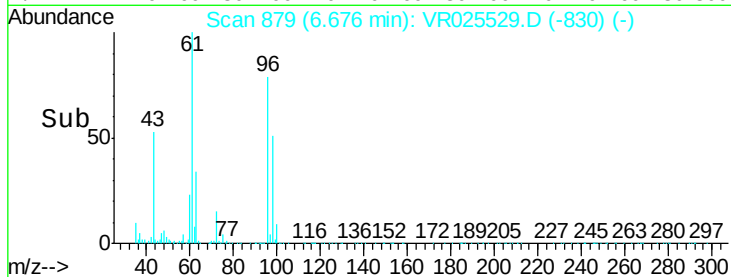
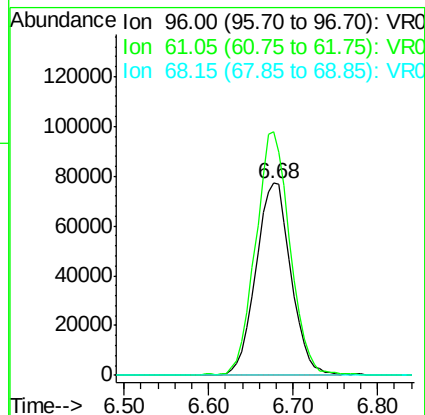
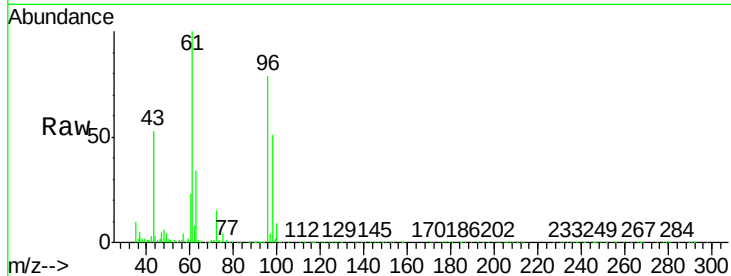


#22

cis-1,2-Dichloroethene
 Concen: 5.295 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

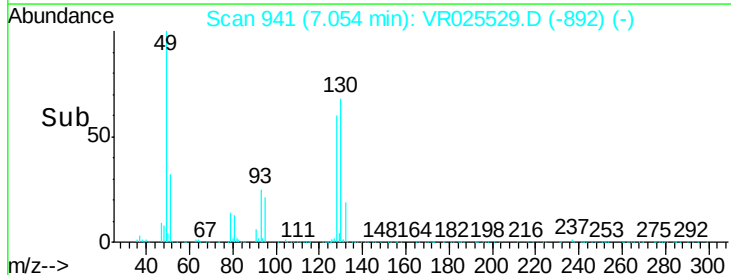
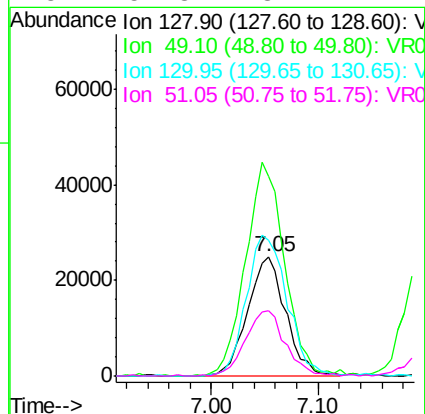
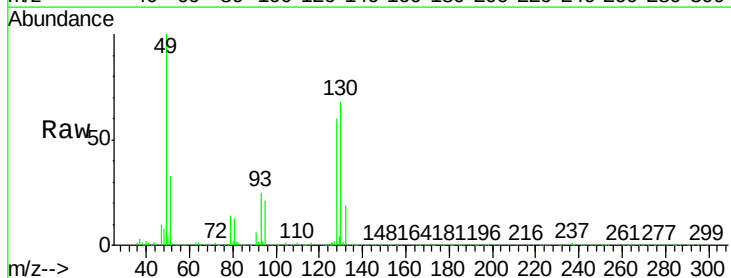
Tgt Ion: 96 Resp: 218658
 Ion Ratio Lower Upper
 96 100
 61 126.7 91.0 169.0
 68 0.2 0.0 0.0#

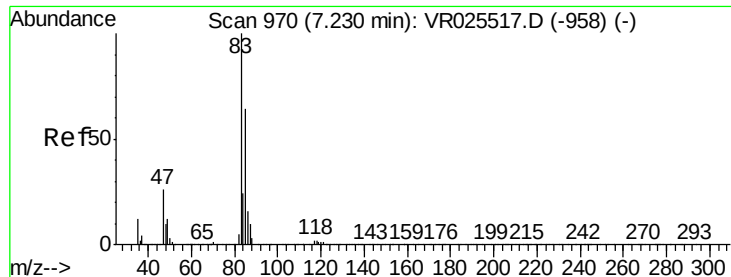


#23

Bromochloromethane
 Concen: 4.708 ug/L
 RT: 7.05 min Scan# 941
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 128 Resp: 62601
 Ion Ratio Lower Upper
 128 100
 49 167.0 128.7 238.9
 130 113.8 87.2 161.9
 51 54.8 48.2 72.2





#25

Chloroform

Concen: 4.895 ug/L

RT: 7.23 min Scan# 970

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

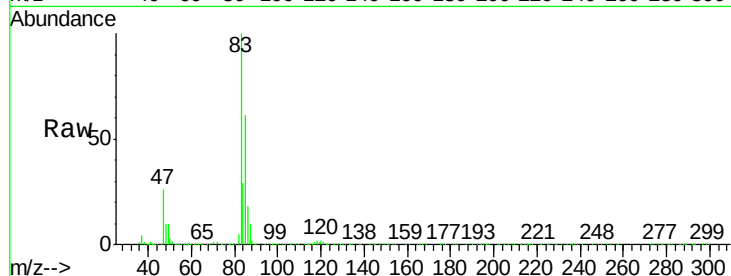
VSTD00581

Tgt Ion: 83 Resp: 362959

Ion Ratio Lower Upper

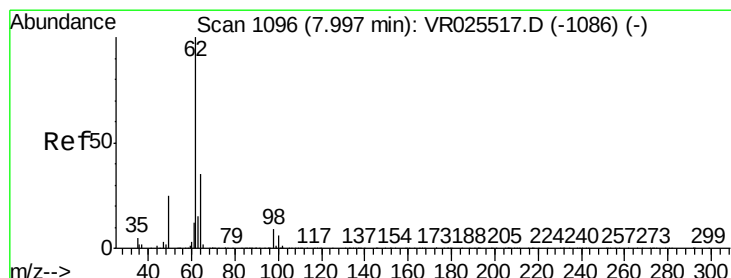
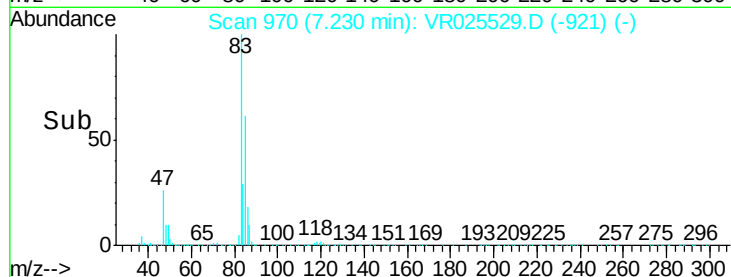
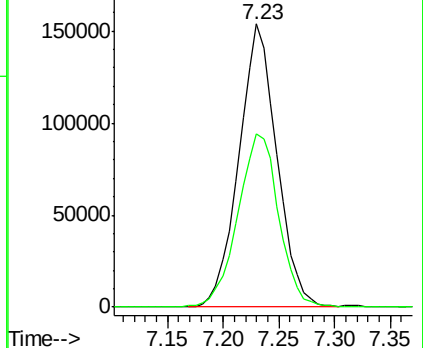
83 100

85 61.4 45.4 84.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.226 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.09 min

Lab File: VR025529.D

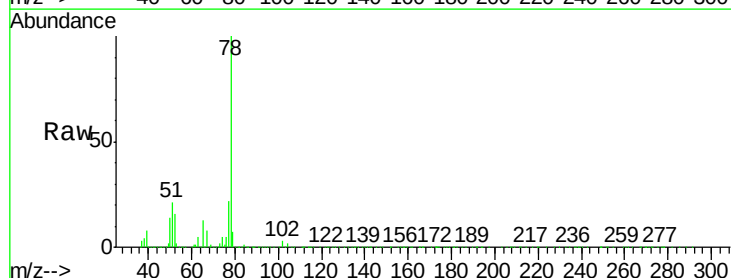
Acq: 20 Jul 2018 12:15

Tgt Ion: 62 Resp: 7526

Ion Ratio Lower Upper

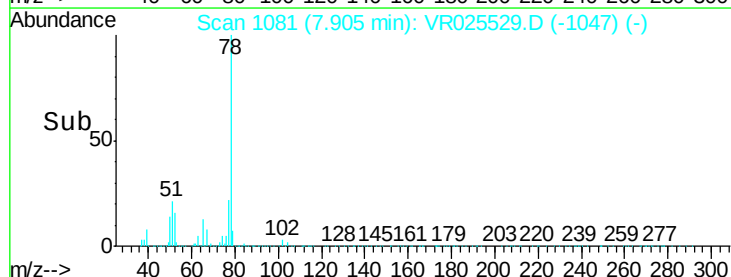
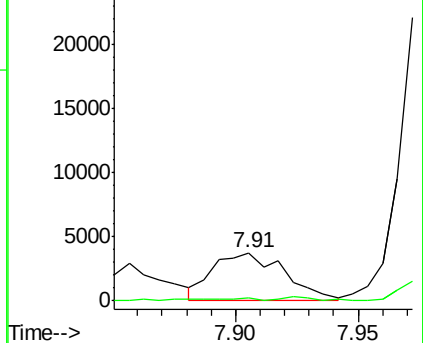
62 100

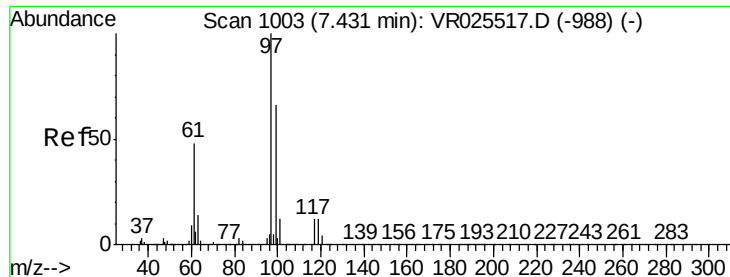
98 5.6 5.4 8.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

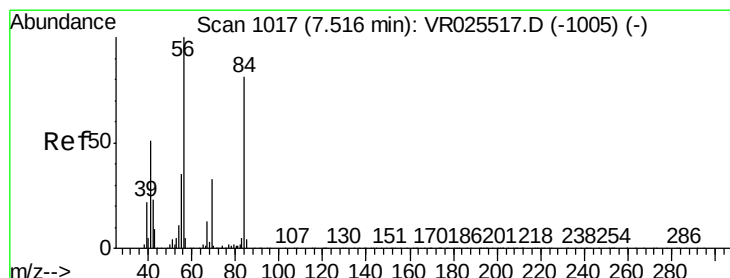
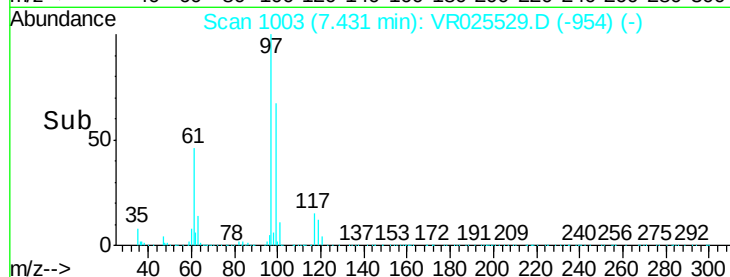
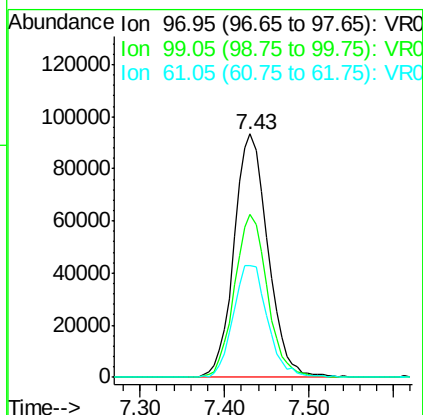
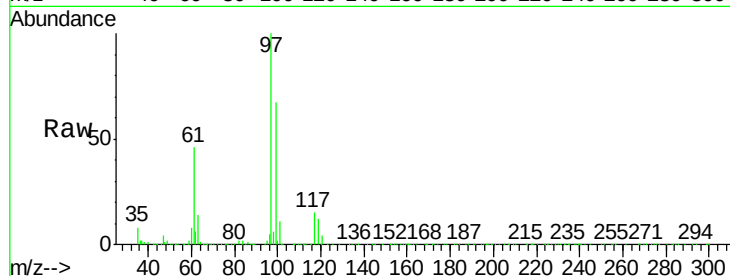




#29
1,1,1-Trichloroethane
Concen: 4.836 ug/L
RT: 7.43 min Scan# 1003
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

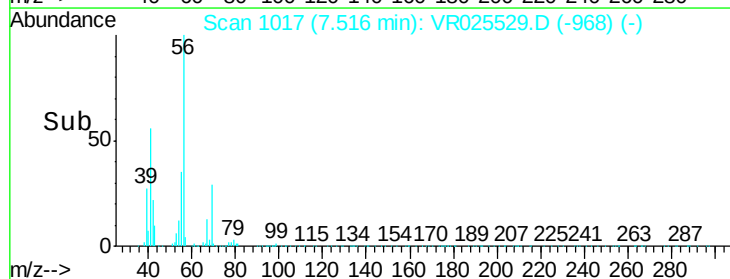
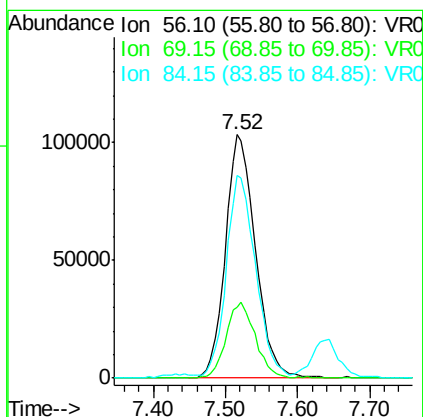
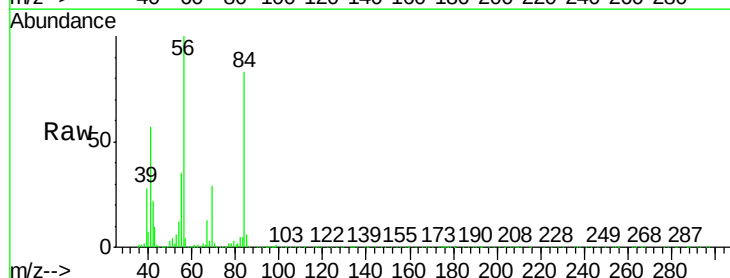
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

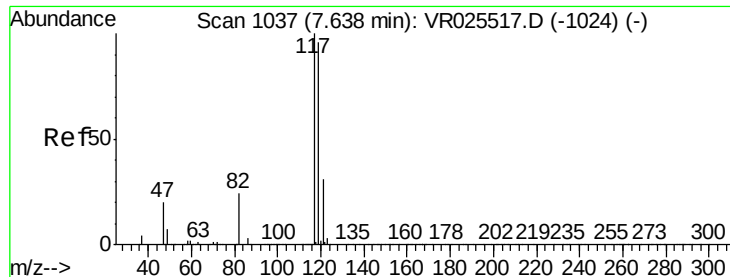
Tgt Ion: 97 Resp: 252549
Ion Ratio Lower Upper
97 100
99 65.3 52.1 78.1
61 46.7 37.0 55.6



#30
Cyclohexane
Concen: 5.348 ug/L
RT: 7.52 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 56 Resp: 299599
Ion Ratio Lower Upper
56 100
69 29.9 23.7 35.5
84 81.3 62.6 93.8





#31

Carbon tetrachloride

Concen: 5.482 ug/L

RT: 7.64 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

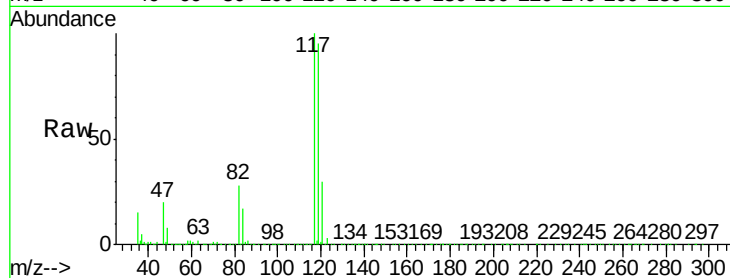
VSTD00581

Tgt Ion:117 Resp: 253263

Ion Ratio Lower Upper

117 100

119 97.1 75.5 113.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.64

100000

80000

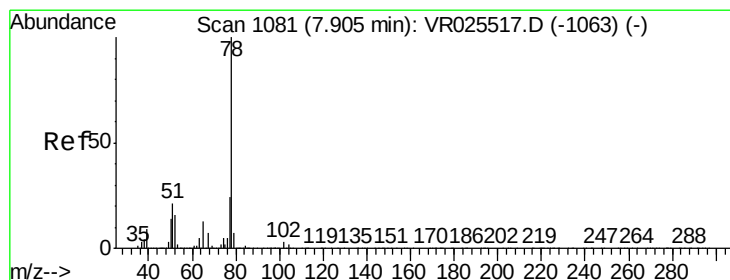
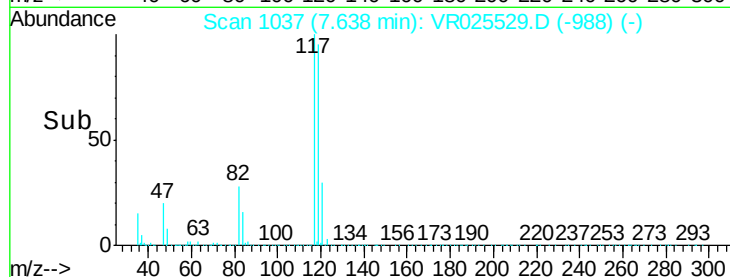
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#33

Benzene

Concen: 5.128 ug/L

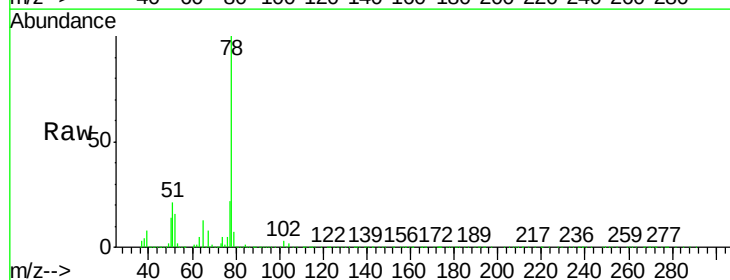
RT: 7.91 min Scan# 1081

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Tgt Ion: 78 Resp: 907540



Abundance Ion 78.10 (77.80 to 78.80): VR0

7.91

400000

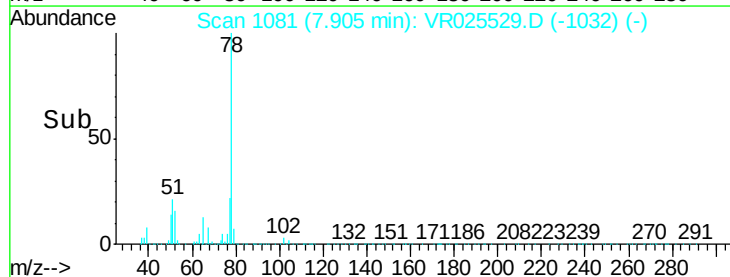
300000

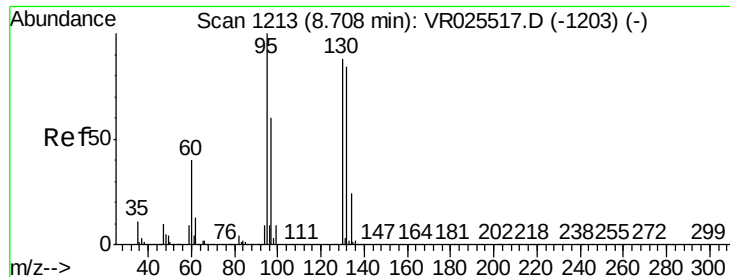
200000

100000

0

Time--> 7.70 7.80 7.90 8.00





#34

Trichloroethene

Concen: 4.879 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD00581

Tgt Ion: 95 Resp: 219812

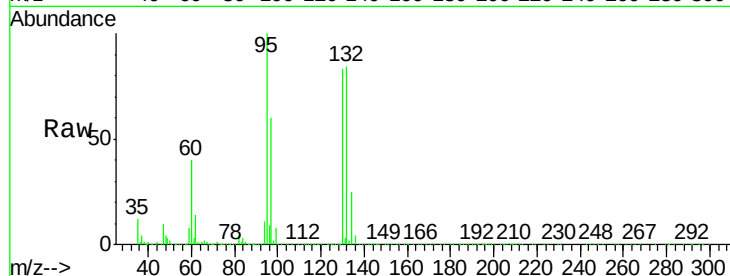
Ion Ratio Lower Upper

95 100

97 60.4 45.6 84.6

132 83.5 60.9 113.1

130 82.9 62.0 115.2

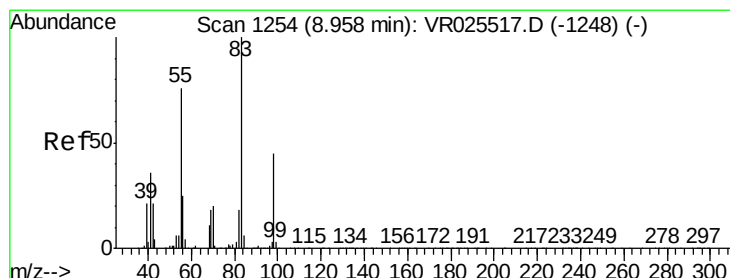
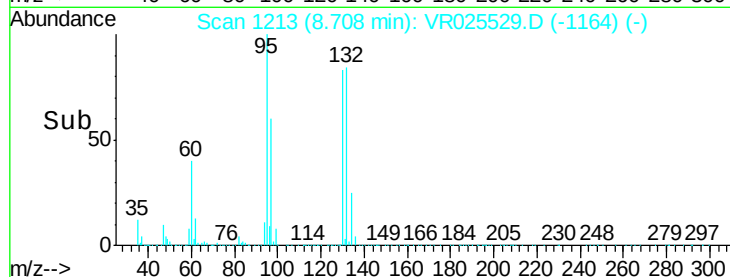
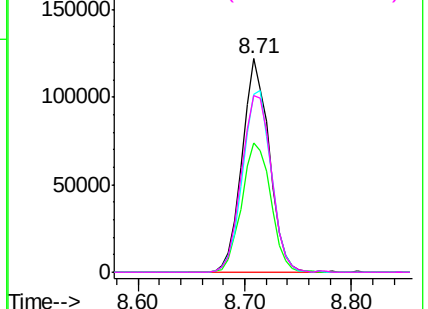


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.502 ug/L

RT: 8.96 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

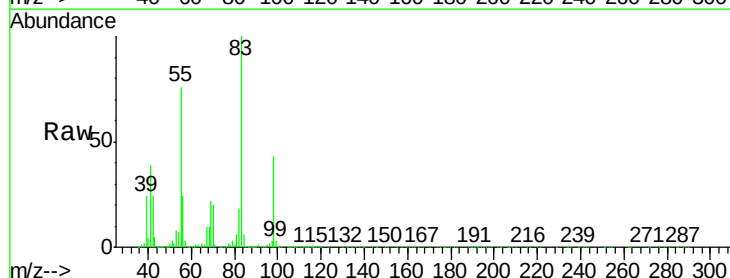
Tgt Ion: 83 Resp: 331422

Ion Ratio Lower Upper

83 100

55 78.0 66.1 99.1

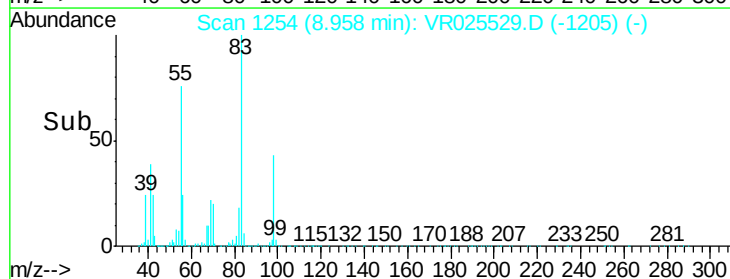
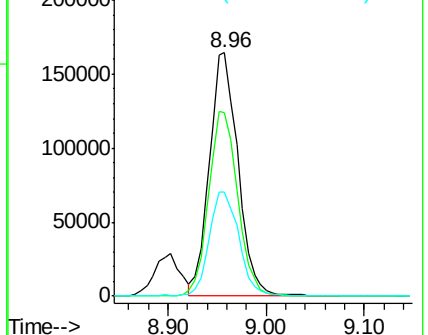
98 44.5 36.2 54.4

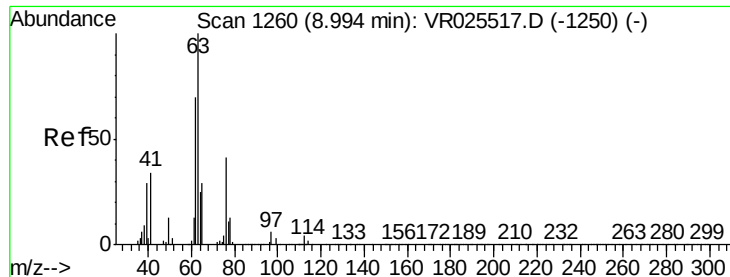


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

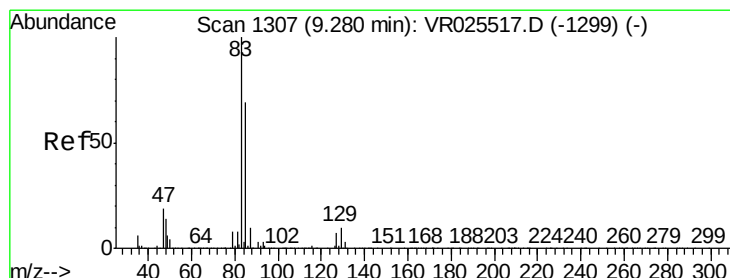
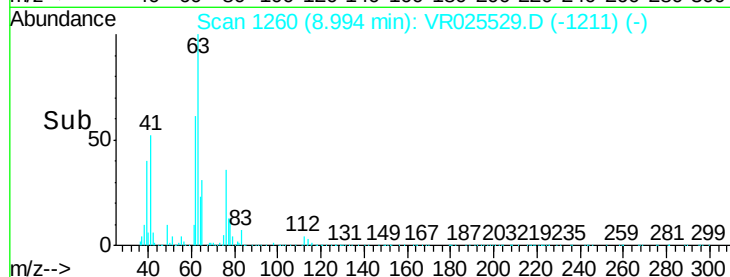
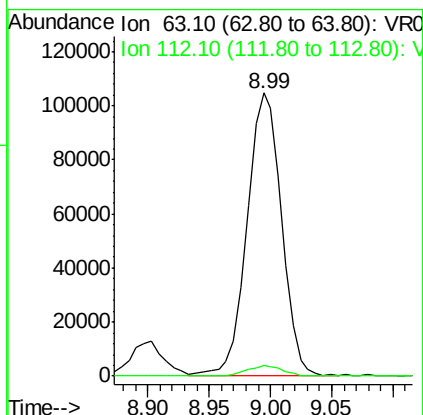
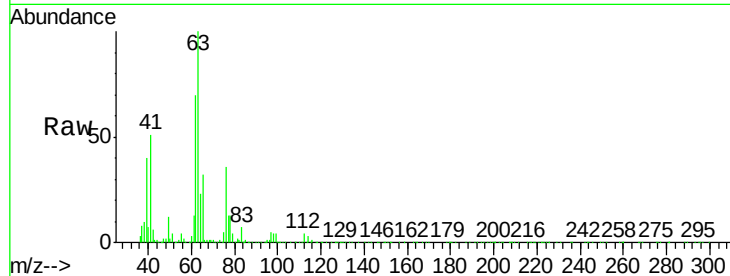




#37
 1,2-Dichloropropane
 Concen: 4.962 ug/L
 RT: 8.99 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

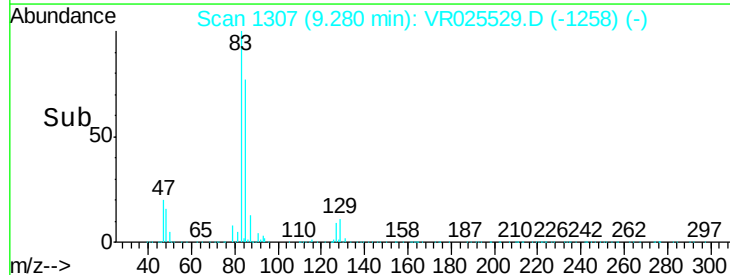
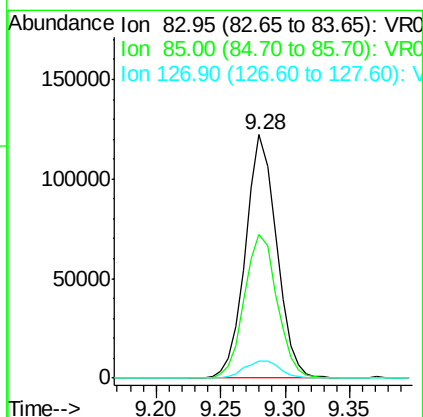
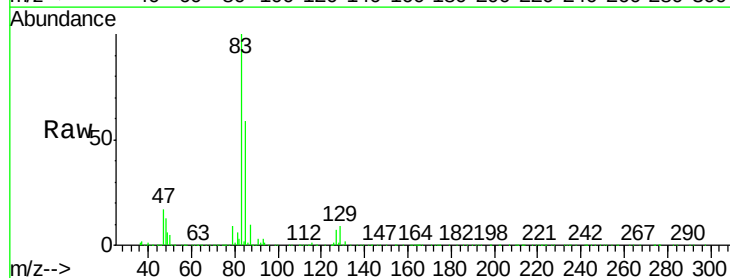
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

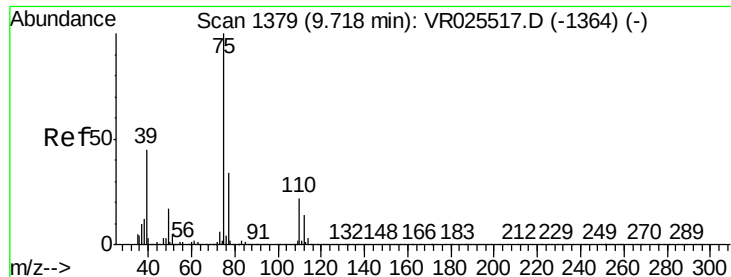
Tgt Ion: 63 Resp: 204130
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.9 4.3



#38
 Bromodichloromethane
 Concen: 4.856 ug/L
 RT: 9.28 min Scan# 1307
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 83 Resp: 203611
 Ion Ratio Lower Upper
 83 100
 85 59.2 46.1 85.7
 127 7.3 5.7 8.5

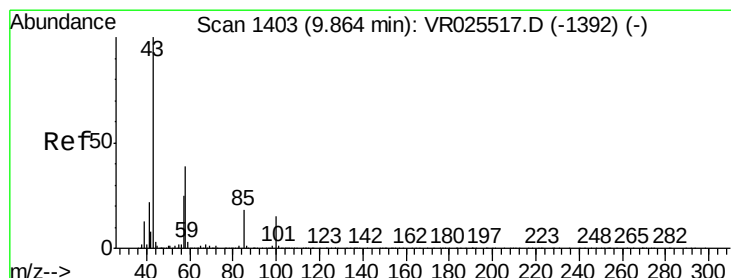
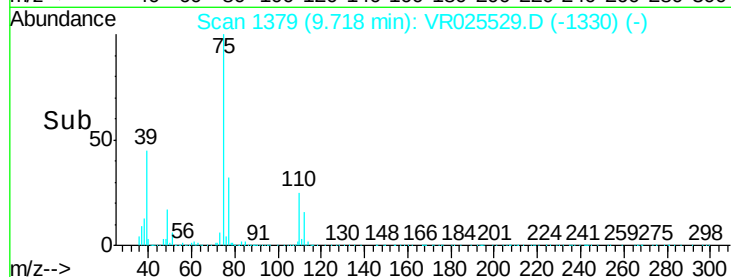
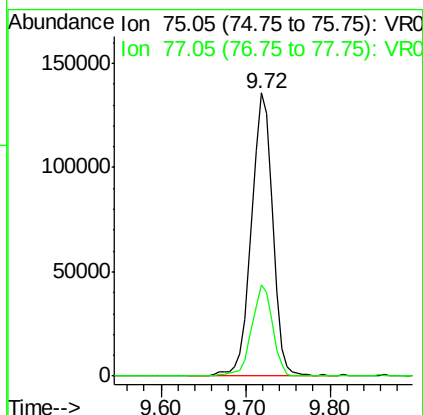
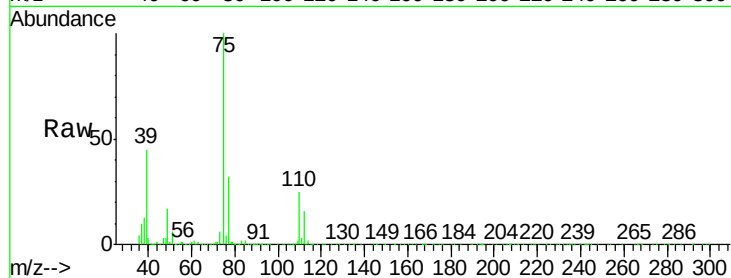




#39
 cis-1,3-Dichloropropene
 Concen: 5.003 ug/L
 RT: 9.72 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

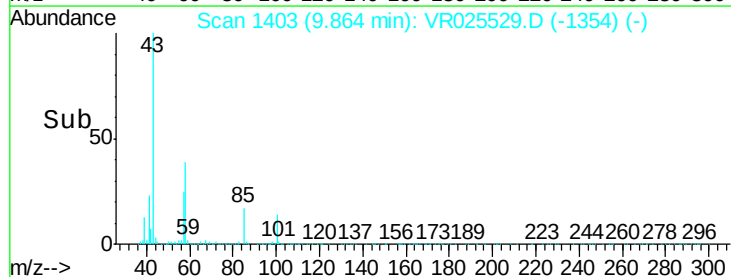
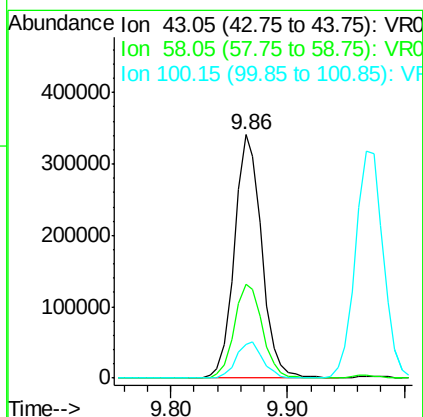
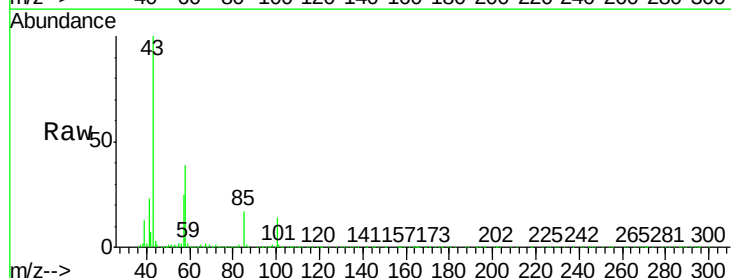
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

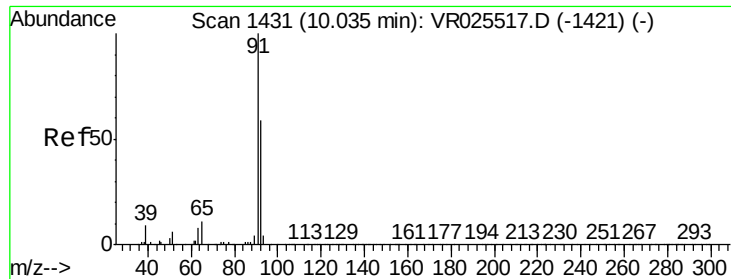
Tgt Ion: 75 Resp: 231438
 Ion Ratio Lower Upper
 75 100
 77 32.4 21.1 39.1



#40
 4-Methyl-2-pentanone
 Concen: 46.487 ug/L
 RT: 9.86 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 43 Resp: 554182
 Ion Ratio Lower Upper
 43 100
 58 40.2 30.3 45.5
 100 14.6 10.3 15.5





#42

Toluene

Concen: 5.409 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

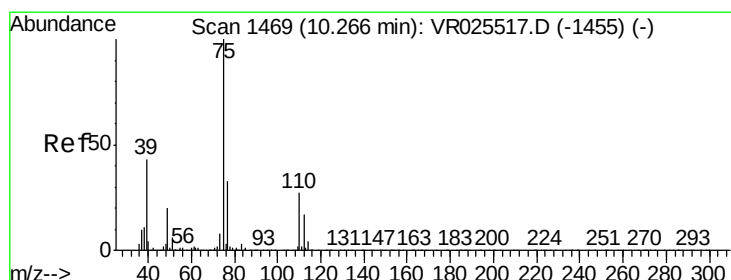
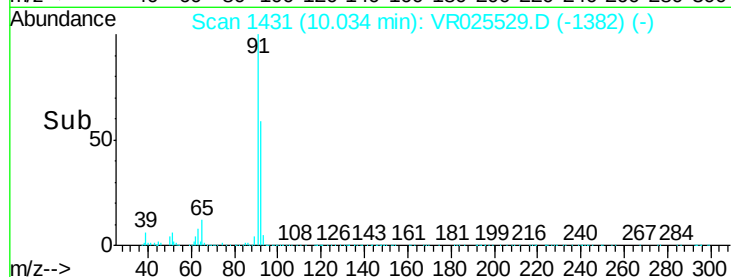
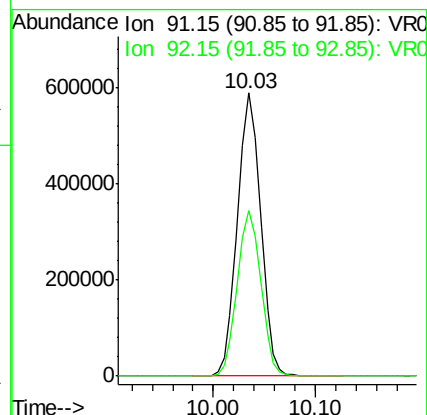
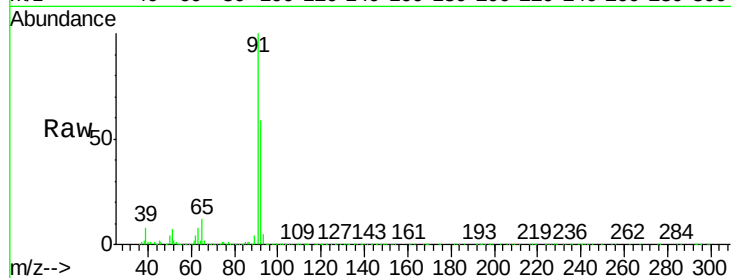
VSTD00581

Tgt Ion: 91 Resp: 930830

Ion Ratio Lower Upper

91 100

92 58.5 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 4.804 ug/L

RT: 10.27 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VR025529.D

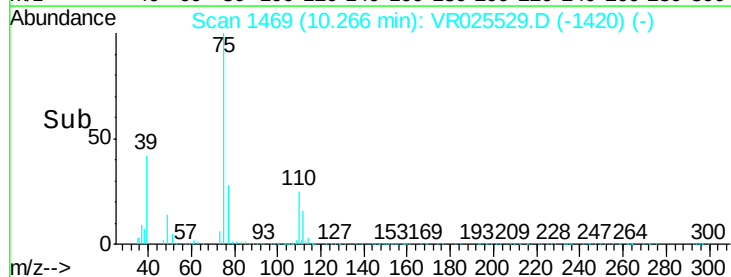
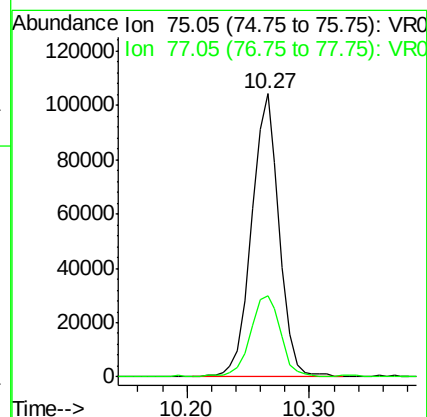
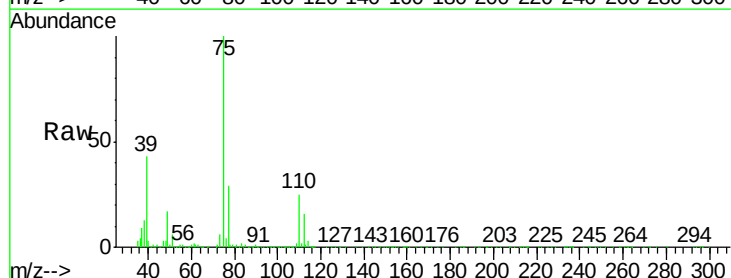
Acq: 20 Jul 2018 12:15

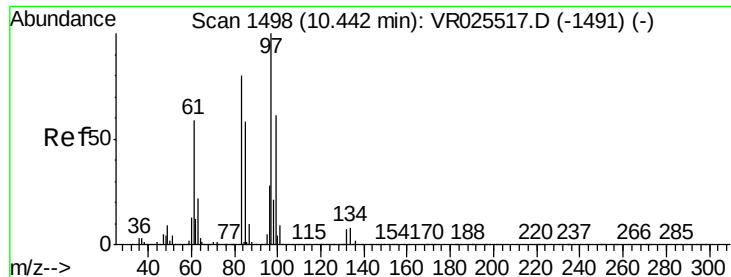
Tgt Ion: 75 Resp: 163176

Ion Ratio Lower Upper

75 100

77 28.6 20.6 38.4

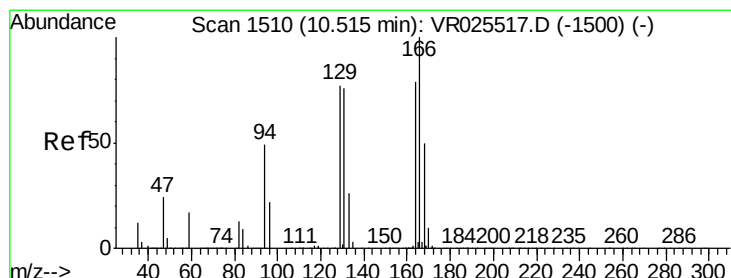
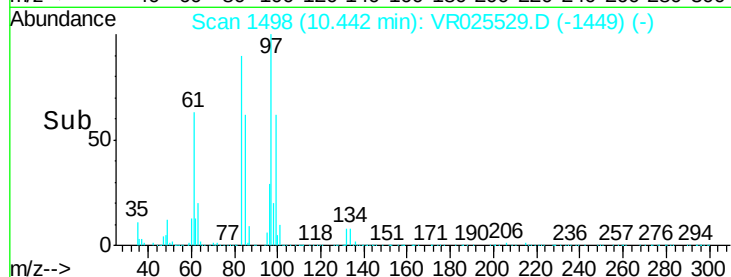
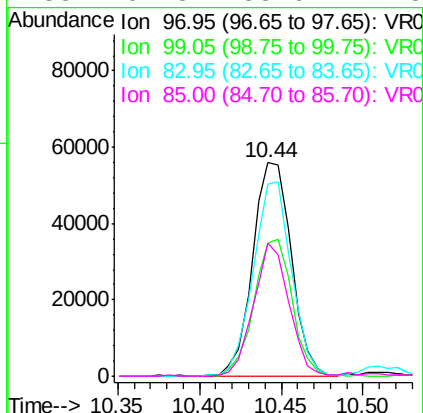
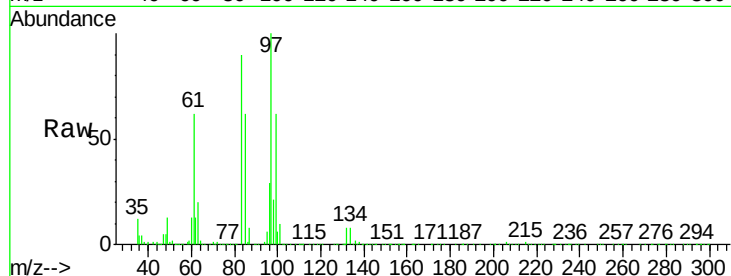




#45
1,1,2-Trichloroethane
Concen: 4.577 ug/L
RT: 10.44 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

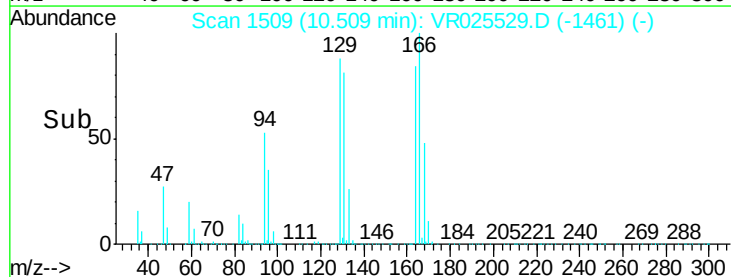
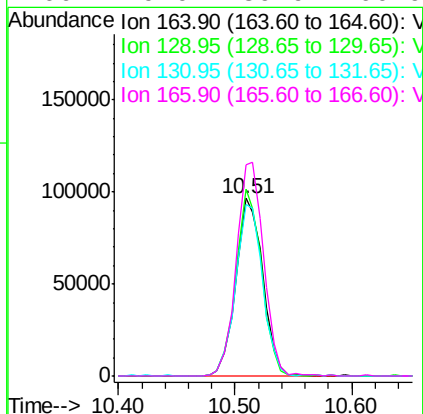
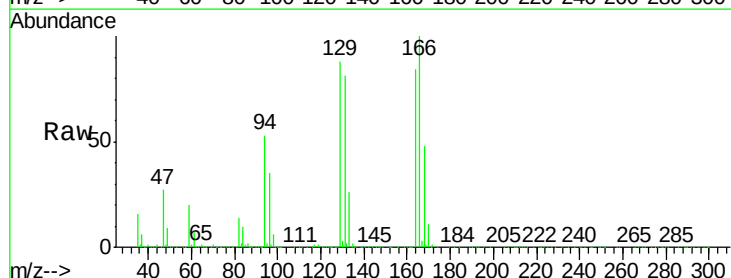
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

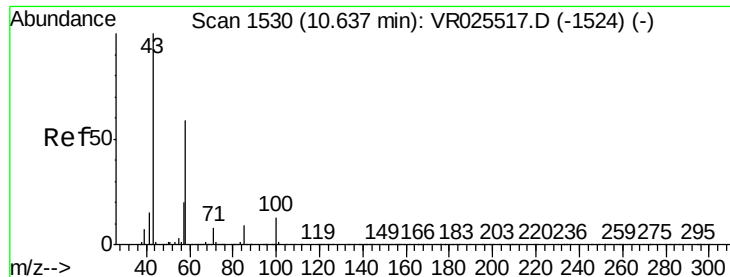
Tgt Ion:	97	Resp:	92256
Ion	Ratio	Lower	Upper
97	100		
99	62.4	41.9	77.9
83	89.6	64.5	119.9
85	62.3	38.6	71.8



#47
Tetrachloroethene
Concen: 5.295 ug/L
RT: 10.51 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion:	164	Resp:	155781
Ion	Ratio	Lower	Upper
164	100		
129	105.0	68.1	126.5
131	96.8	68.5	127.1
166	119.0	89.9	166.9

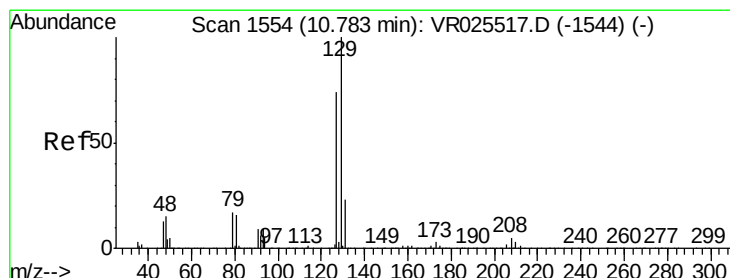
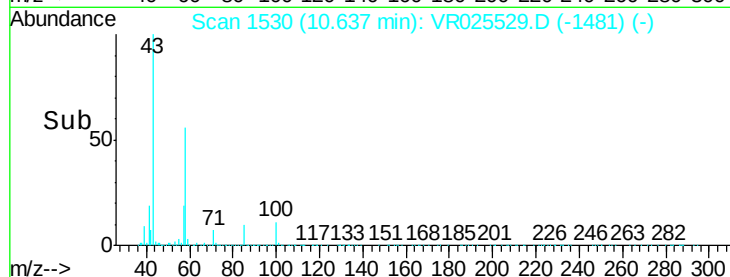
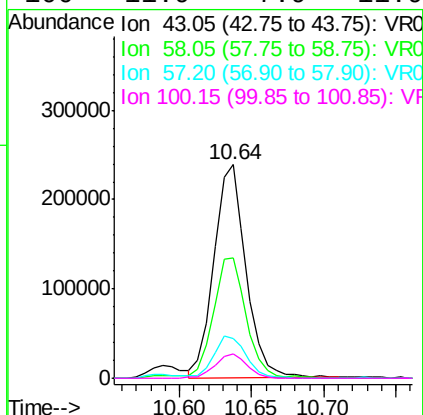
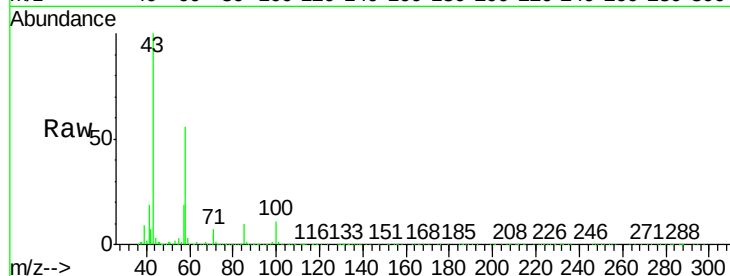




#48
2-Hexanone
Concen: 45.093 ug/L
RT: 10.64 min Scan# 1530
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

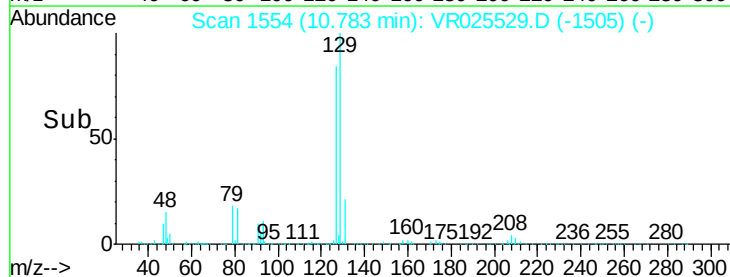
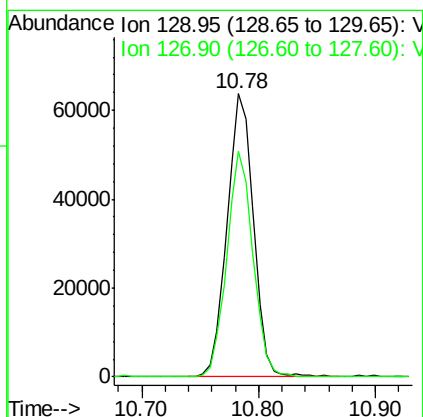
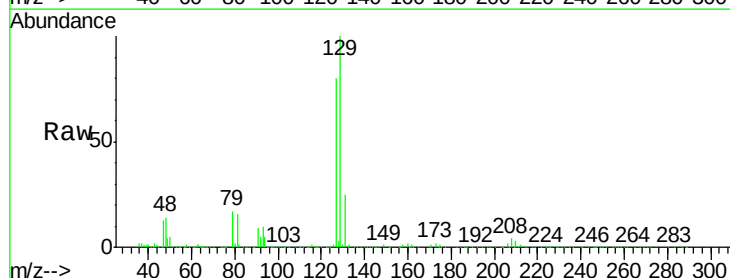
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

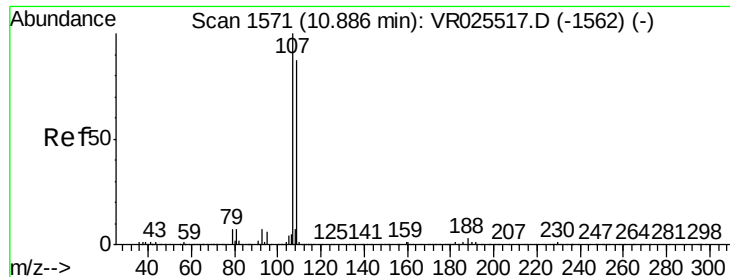
Tgt Ion: 43 Resp: 369791
Ion Ratio Lower Upper
43 100
58 57.6 43.1 64.7
57 20.1 15.3 22.9
100 11.9 7.9 11.9#



#49
Dibromochloromethane
Concen: 4.778 ug/L
RT: 10.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion: 129 Resp: 100412
Ion Ratio Lower Upper
129 100
127 79.9 55.9 103.7

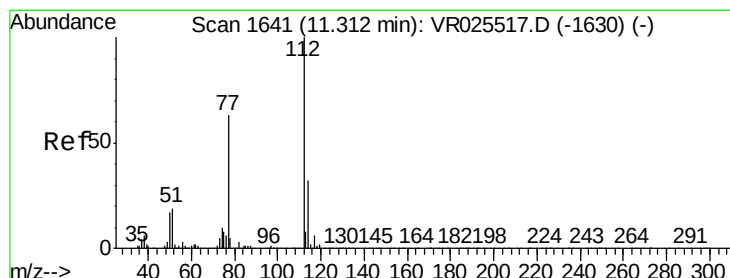
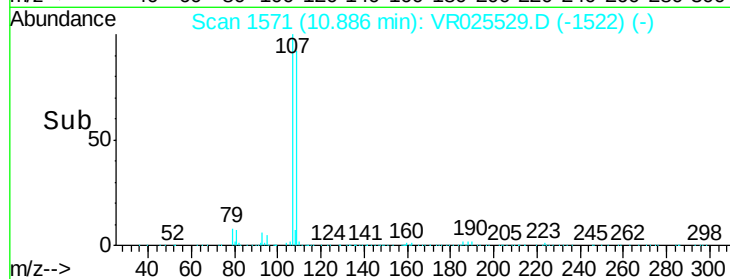
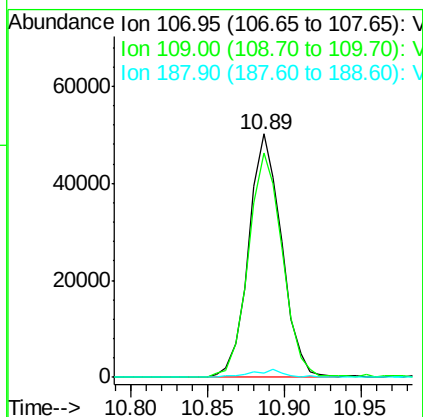
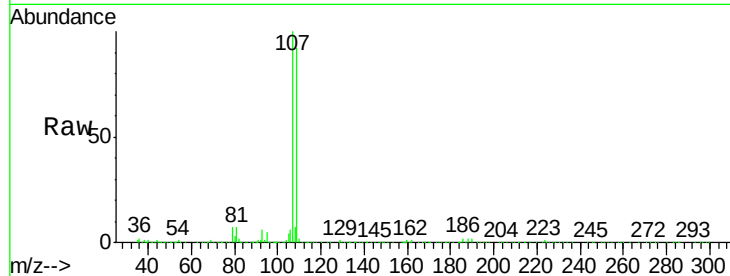




#50
1,2-Dibromoethane
Concen: 4.605 ug/L
RT: 10.89 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

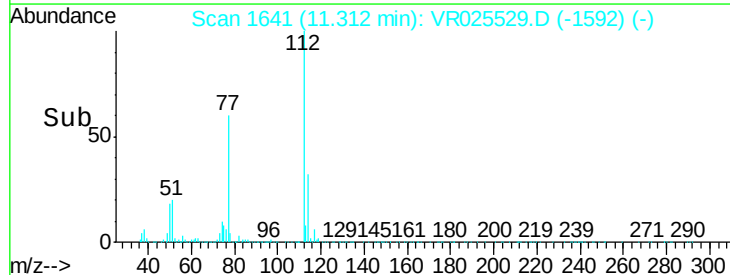
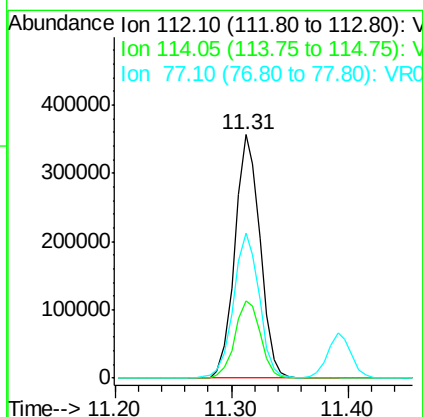
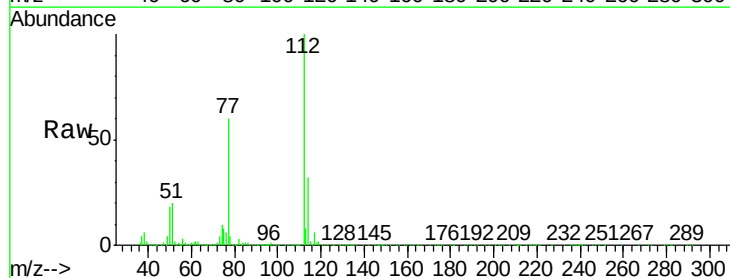
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

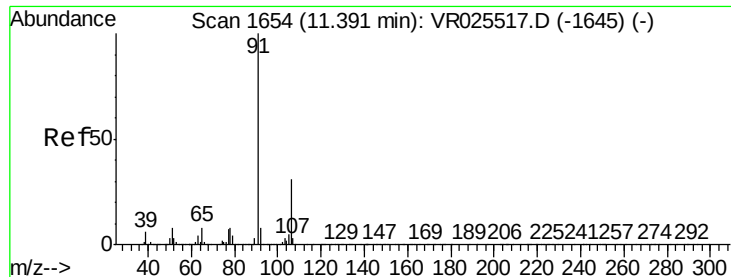
Tgt Ion:107 Resp: 75195
Ion Ratio Lower Upper
107 100
109 92.1 63.1 117.3
188 1.9 1.8 2.8



#51
Chlorobenzene
Concen: 5.124 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion:112 Resp: 536887
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.0
77 59.8 51.9 77.9





#52

Ethylbenzene

Concen: 5.639 ug/L

RT: 11.39 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

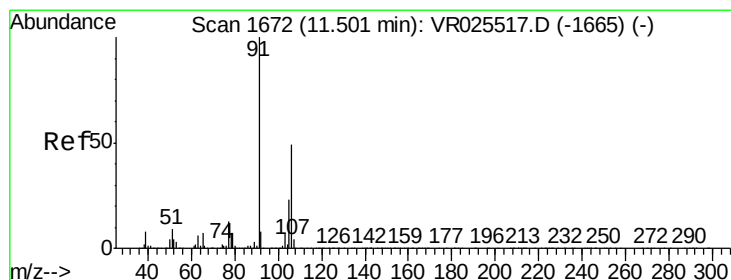
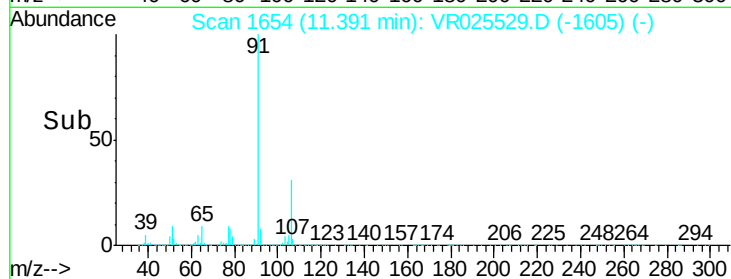
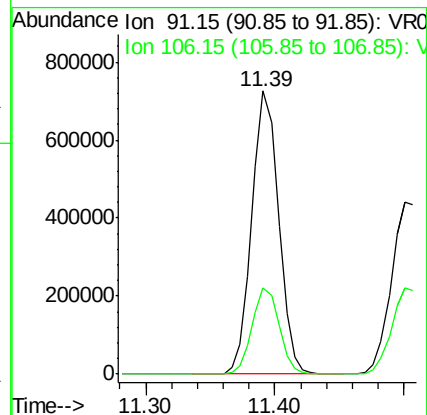
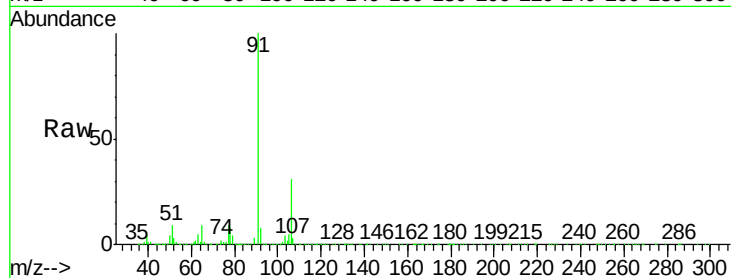
VSTD00581

Tgt Ion: 91 Resp: 1040617

Ion Ratio Lower Upper

91 100

106 30.7 22.5 41.7



#53

m,p-Xylene

Concen: 5.653 ug/L

RT: 11.50 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VR025529.D

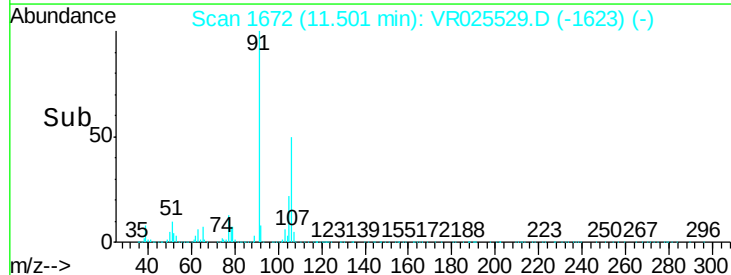
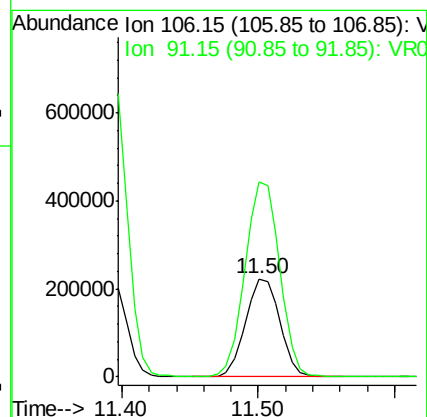
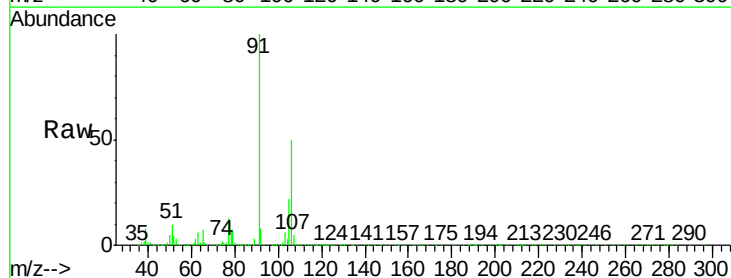
Acq: 20 Jul 2018 12:15

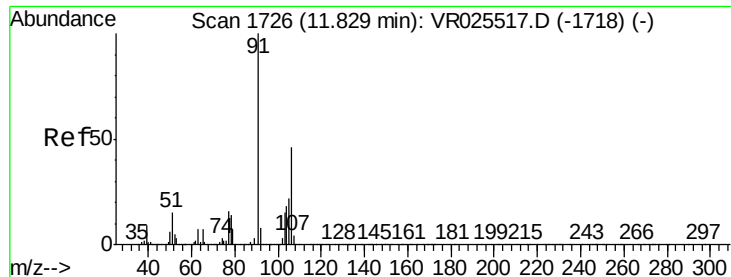
Tgt Ion: 106 Resp: 391450

Ion Ratio Lower Upper

106 100

91 198.7 152.6 283.4

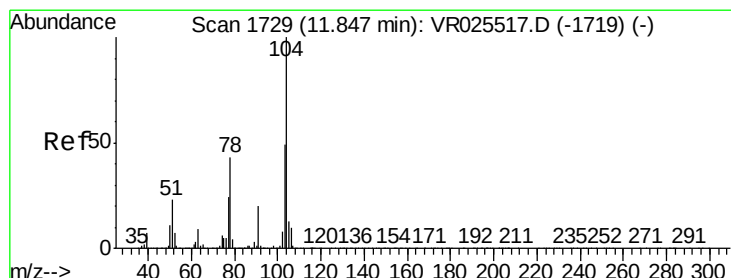
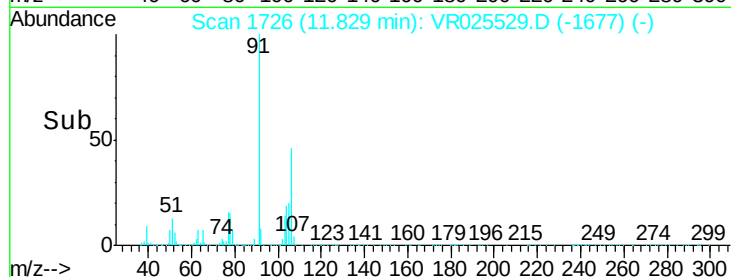
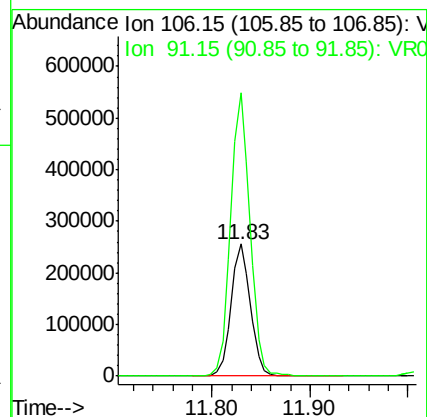
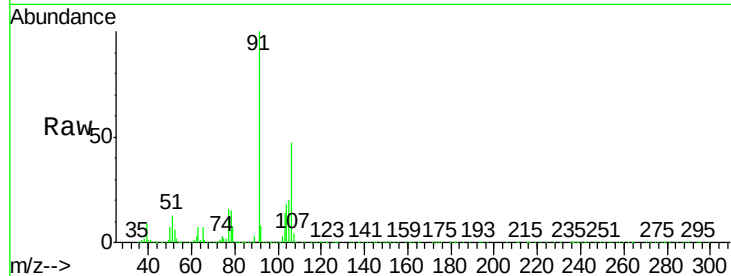




#54
o-Xylene
Concen: 5.855 ug/L
RT: 11.83 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

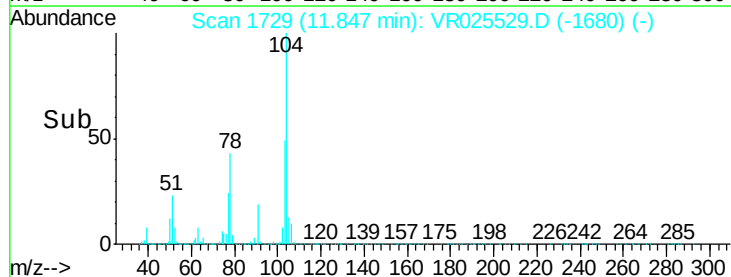
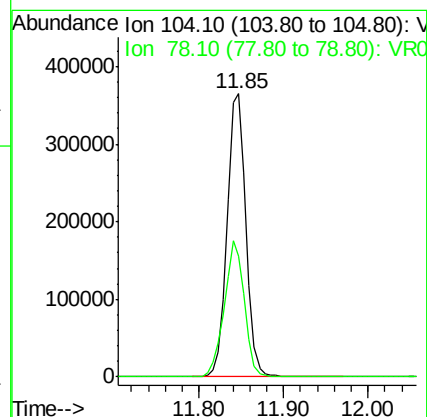
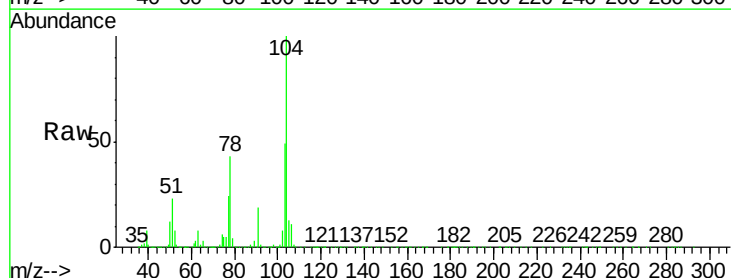
Instrument :
MSVOA_R
ClientSampleId :
VSTD00581

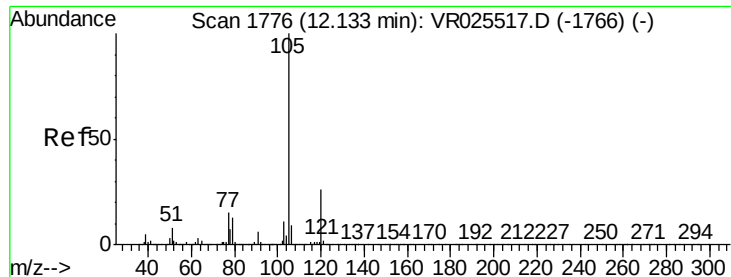
Tgt Ion:106 Resp: 349226
Ion Ratio Lower Upper
106 100
91 214.7 153.7 285.5



#55
Styrene
Concen: 5.710 ug/L
RT: 11.85 min Scan# 1729
Delta R.T. -0.00 min
Lab File: VR025529.D
Acq: 20 Jul 2018 12:15

Tgt Ion:104 Resp: 560403
Ion Ratio Lower Upper
104 100
78 42.8 35.4 65.7





#56

Isopropylbenzene

Concen: 6.015 ug/L

RT: 12.13 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD00581

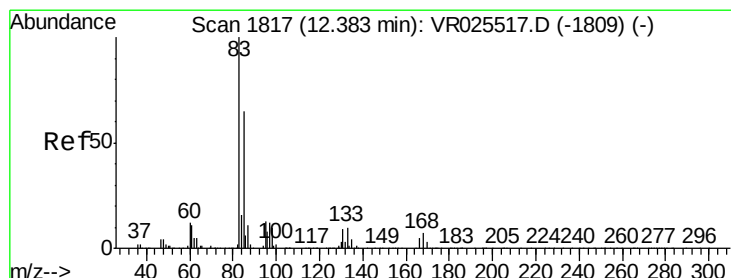
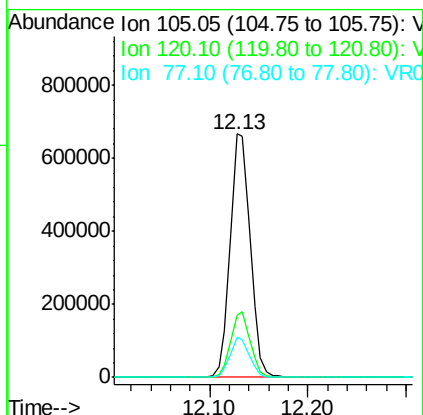
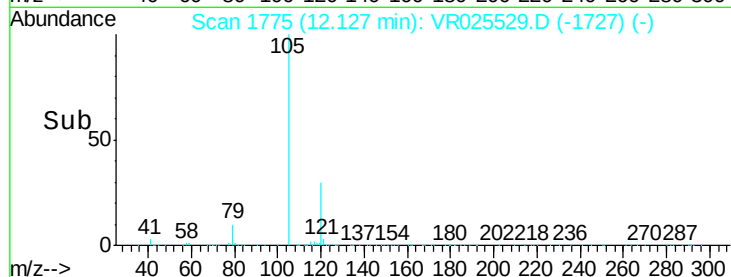
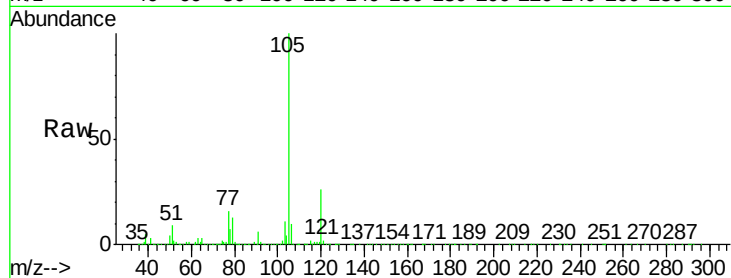
Tgt Ion: 105 Resp: 950084

Ion Ratio Lower Upper

105 100

120 26.1 20.2 30.4

77 15.9 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.712 ug/L

RT: 12.38 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

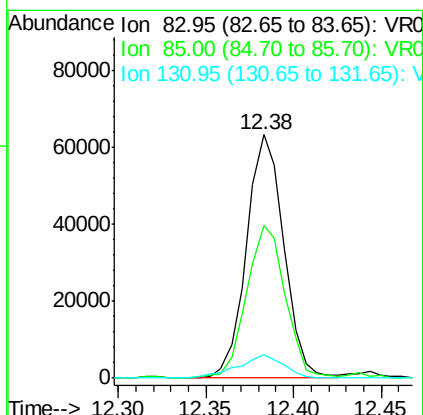
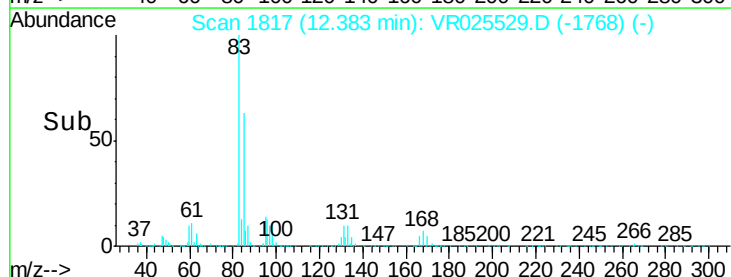
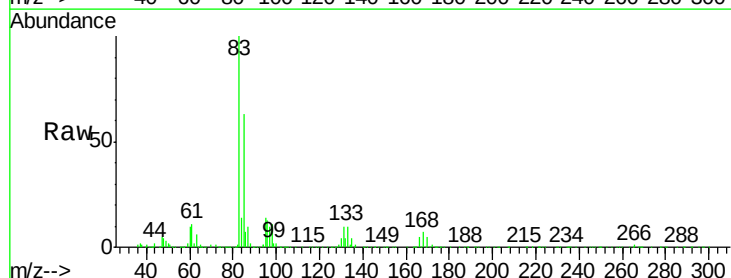
Tgt Ion: 83 Resp: 93546

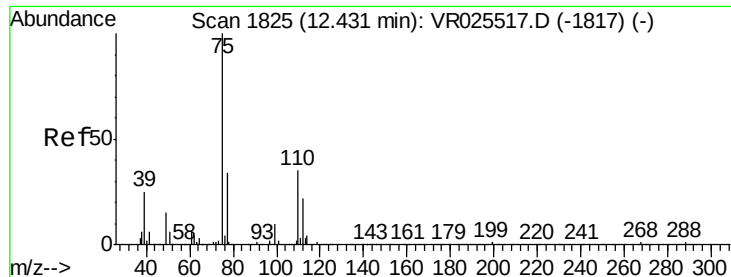
Ion Ratio Lower Upper

83 100

85 62.9 41.8 77.6

131 9.6 6.1 9.1#

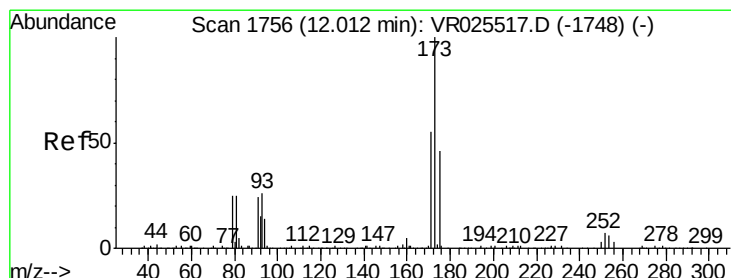
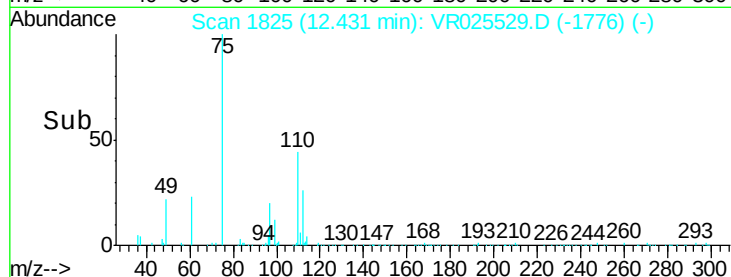
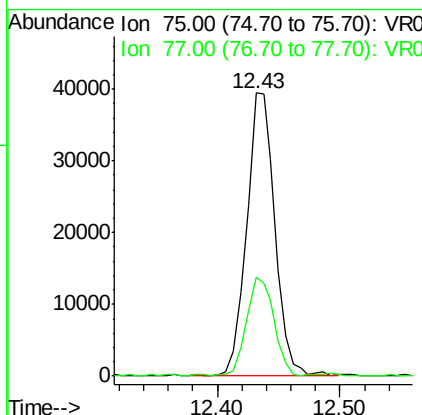
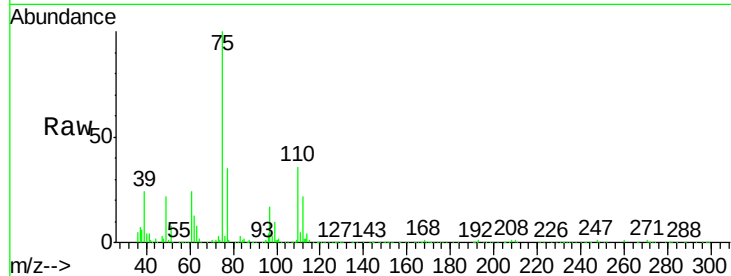




#59
 1,2,3-Trichloropropane
 Concen: 4.429 ug/L
 RT: 12.43 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

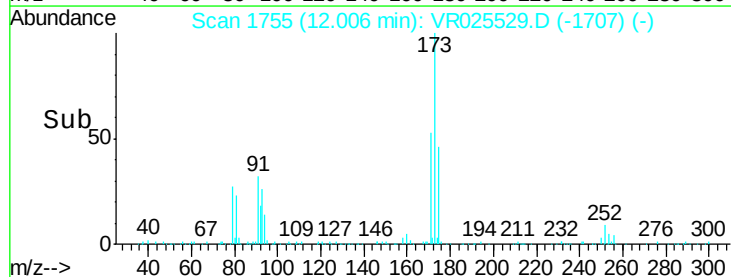
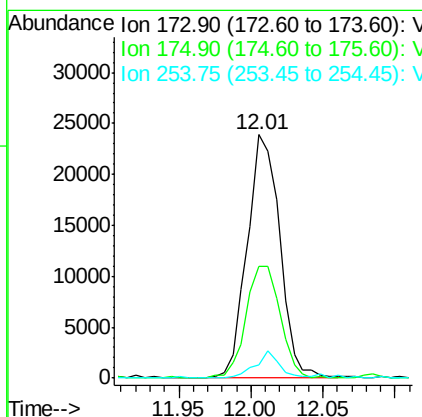
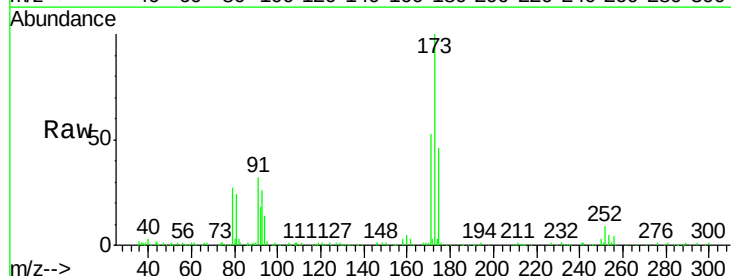
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00581

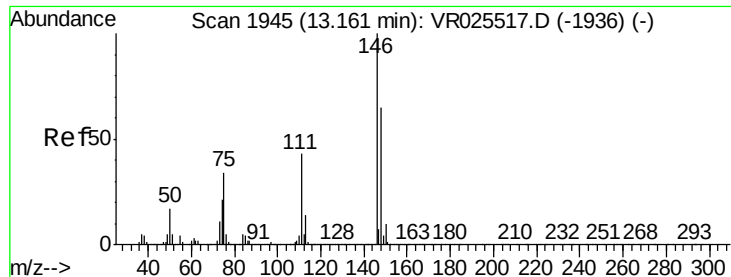
Tgt Ion: 75 Resp: 63292
 Ion Ratio Lower Upper
 75 100
 77 34.3 27.0 40.4



#61
 Bromoform
 Concen: 4.538 ug/L
 RT: 12.01 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Tgt Ion: 173 Resp: 37400
 Ion Ratio Lower Upper
 173 100
 175 48.6 37.5 56.3
 254 8.2 8.7 13.1#





#62

1,3-Dichlorobenzene

Concen: 5.204 ug/L

RT: 13.16 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

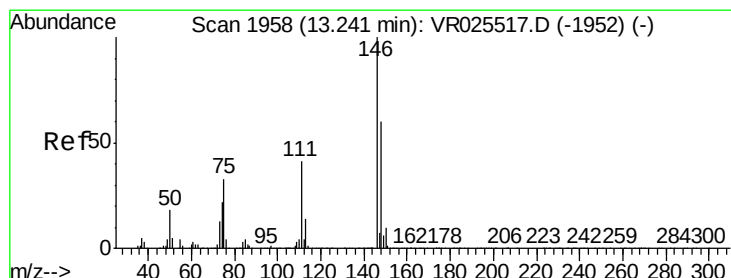
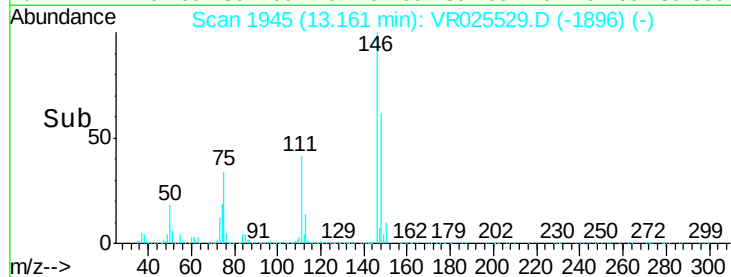
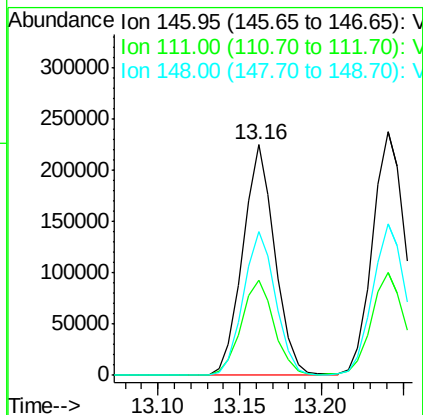
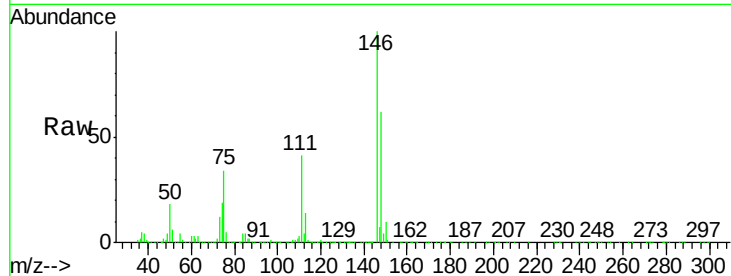
Instrument :

MSVOA_R

ClientSampled :

VSTD00581

Tgt Ion:	146	Resp:	308587
Ion	Ratio	Lower	Upper
146	100		
111	41.2	31.0	57.6
148	62.3	44.8	83.2



#63

1,4-Dichlorobenzene

Concen: 5.077 ug/L

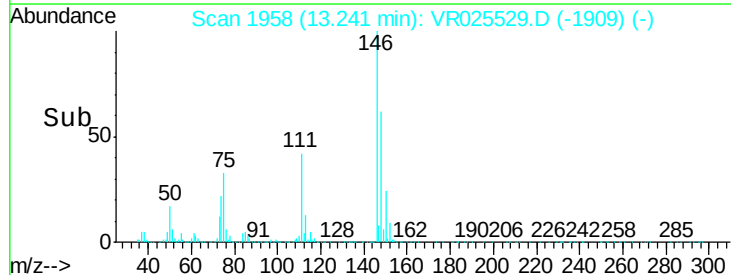
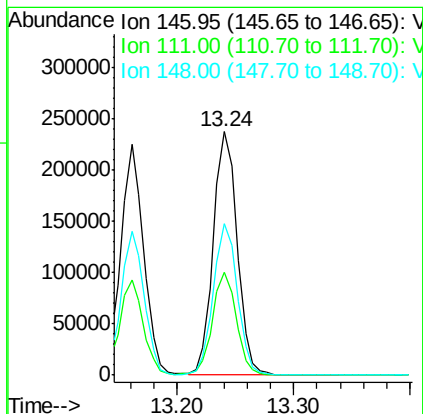
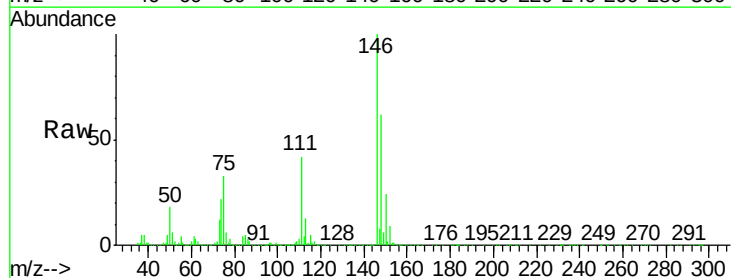
RT: 13.24 min Scan# 1958

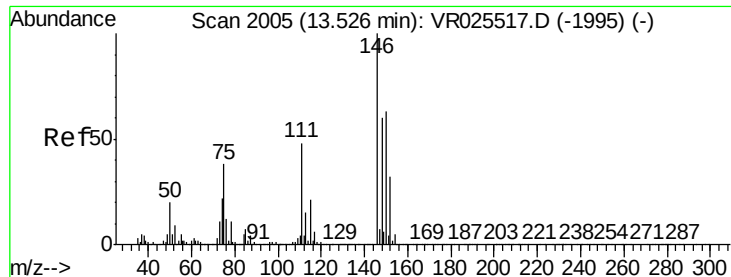
Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Tgt Ion:	146	Resp:	334194
Ion	Ratio	Lower	Upper
146	100		
111	42.3	30.5	56.7
148	62.5	42.8	79.4

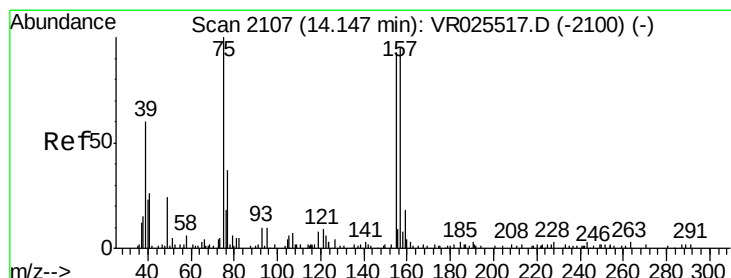
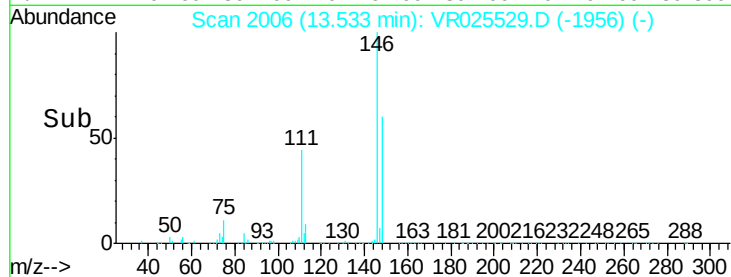
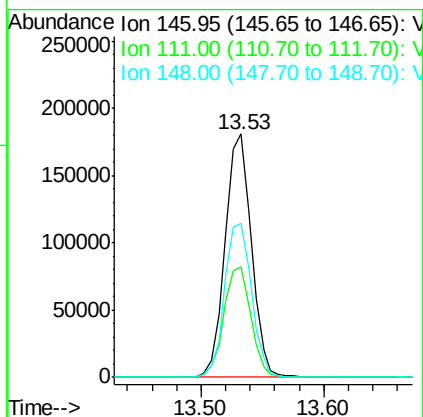
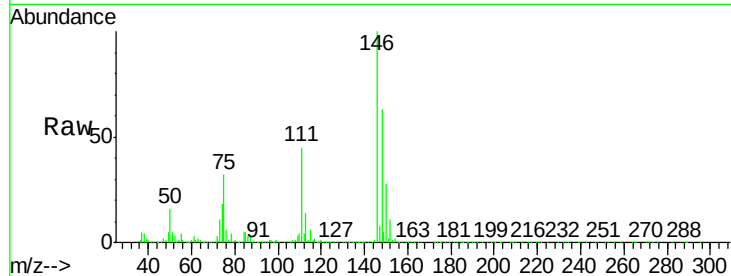




#65
 1,2-Dichlorobenzene
 Concen: 5.197 ug/L
 RT: 13.53 min Scan# 2006
 Delta R.T. 0.01 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

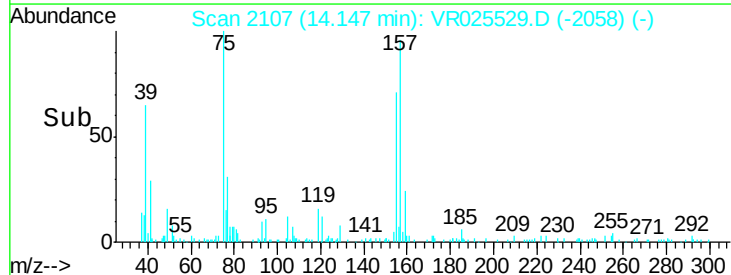
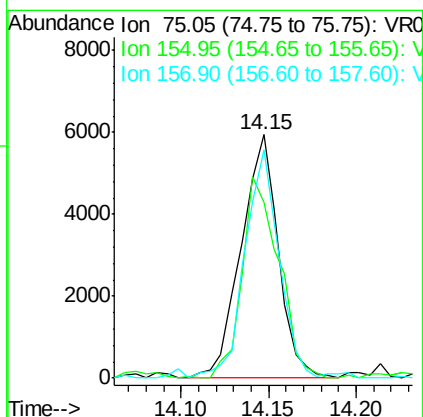
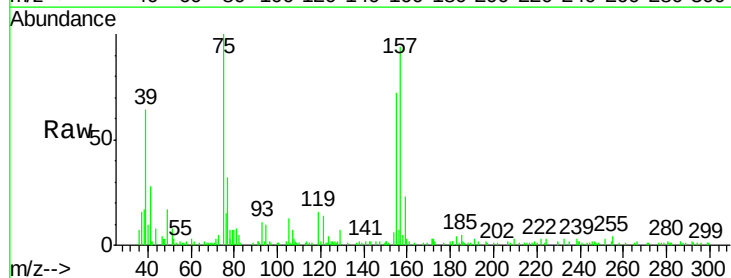
Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00581

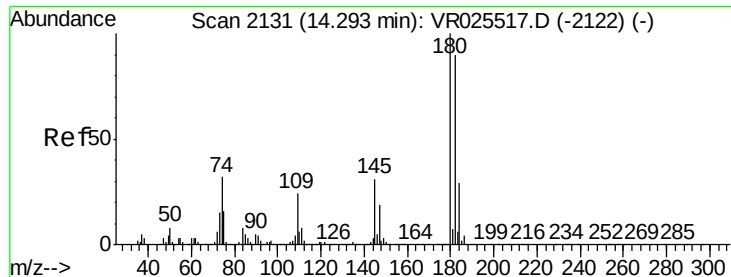
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	35.8	53.8
148	63.4	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.851 ug/L
 RT: 14.15 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	74.1	111.1#
157	93.9	71.0	106.6

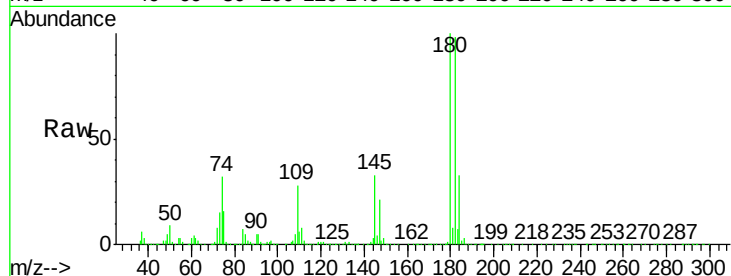




#67
 1,3,5-Trichlorobenzene
 Concen: 5.342 ug/L
 RT: 14.29 min Scan# 2131
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00581

Tgt Ion:	180	Resp:	206874
Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.0	114.0
184	30.5	24.5	36.7
145	32.0	25.2	37.8

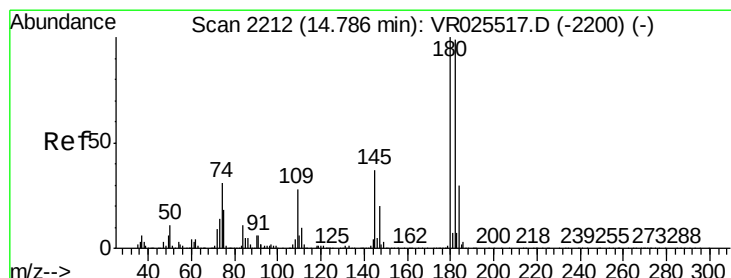
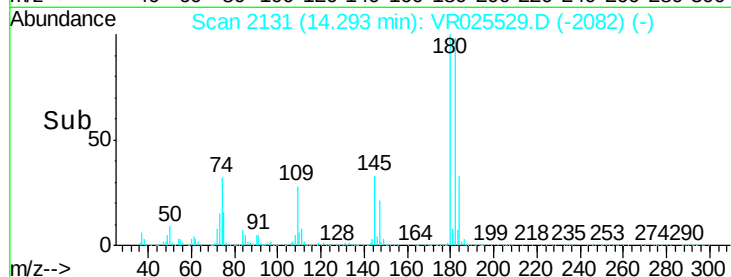
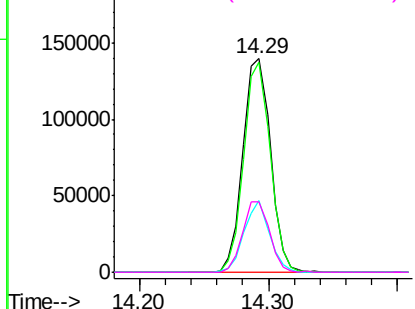


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

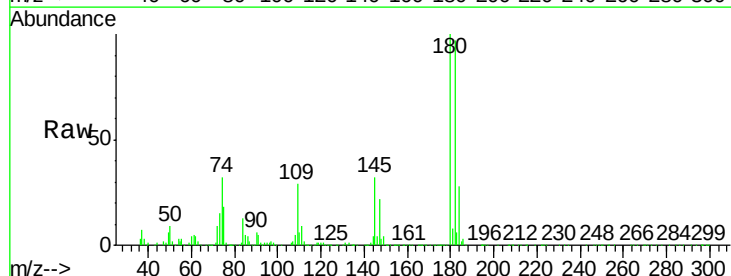
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.907 ug/L
 RT: 14.79 min Scan# 2212
 Delta R.T. -0.00 min
 Lab File: VR025529.D
 Acq: 20 Jul 2018 12:15

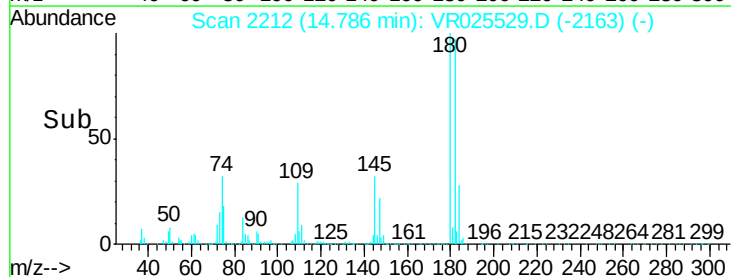
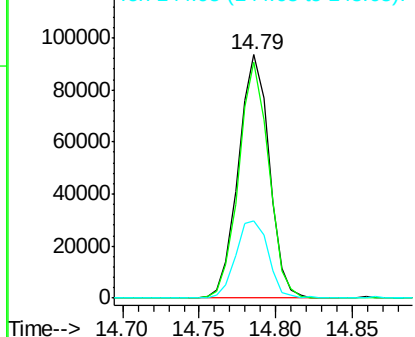
Tgt Ion:	180	Resp:	130612
Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.0	112.4
145	33.6	27.3	40.9

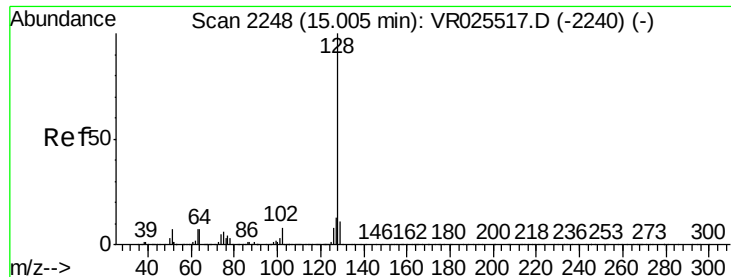


Abundance Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.699 ug/L

RT: 15.00 min Scan# 2248

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

Instrument :

MSVOA_R

ClientSampleId :

VSTD00581

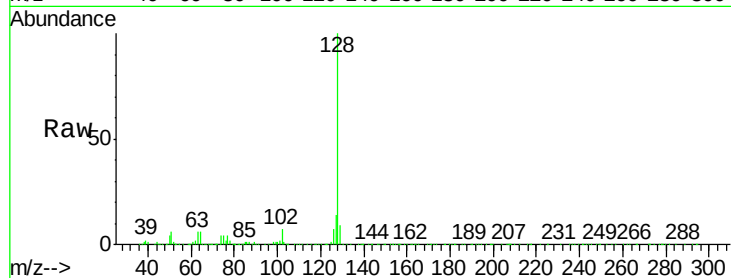
Tgt Ion:128 Resp: 160194

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

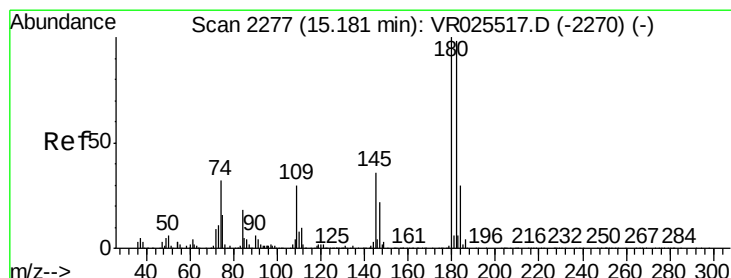
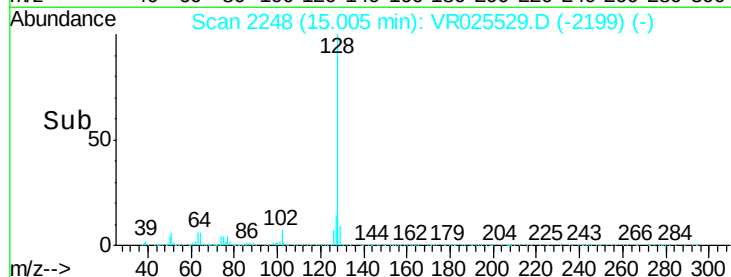
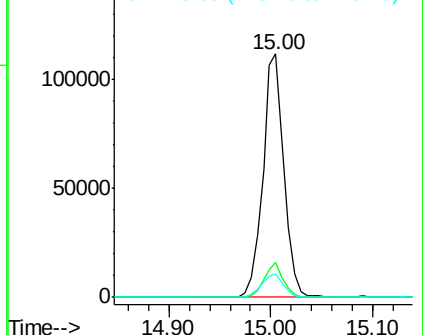
129 10.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.329 ug/L

RT: 15.18 min Scan# 2277

Delta R.T. -0.00 min

Lab File: VR025529.D

Acq: 20 Jul 2018 12:15

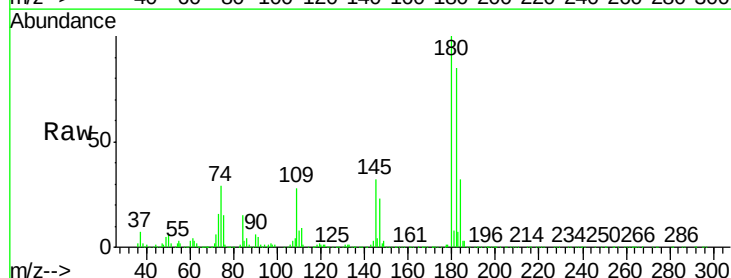
Tgt Ion:180 Resp: 109412

Ion Ratio Lower Upper

180 100

182 88.6 75.2 112.8

145 34.5 28.2 42.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

