

Data File : VR026508.D
Acq On : 8 Apr 2019 11:06
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

Quant Time: Apr 09 01:37:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Apr 08 02:57:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	647697	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	535569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	226242	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	196377	3.99	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.80%
7) Chloroethane-d5	2.62	69	171505	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.60%
11) 1,1-Dichloroethene-d2	3.61	63	589394	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.60%
20) 2-Butanone-d5	6.59	46	205961	46.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.88%
24) Chloroform-d	7.20	84	416202	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	7.89	65	174352	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
32) Benzene-d6	7.85	84	768168	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	8.90	67	210814	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	9.97	98	746315	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	10.23	79	49723	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	10.59	63	176392	55.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	83555	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	141350	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	322553	4.859	ug/L	97
3) Chloromethane	2.01	50	338964	4.841	ug/L	99
5) Vinyl chloride	2.16	62	346162	5.031	ug/L	99
6) Bromomethane	2.52	94	206823	5.141	ug/L	94
8) Chloroethane	2.65	64	199961	5.126	ug/L	98
9) Trichlorofluoromethane	2.94	101	541434	5.685	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	275301	5.239	ug/L	99
12) 1,1-Dichloroethene	3.62	96	289434	5.039	ug/L	98
13) Acetone	3.69	43	220741	49.785	ug/L	100
14) Carbon disulfide	3.93	76	834280	5.004	ug/L	99
15) Methyl Acetate	4.19	43	64554	5.396	ug/L	93
16) Methylene chloride	4.40	84	247965	4.856	ug/L	96
17) Methyl tert-butyl Ether	4.89	73	315891	4.835	ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	281130	5.187	ug/L	95
19) 1,1-Dichloroethane	5.69	63	510770	5.072	ug/L	95
21) 2-Butanone	6.69	43	332122	58.259	ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	253020	5.613	ug/L #	92

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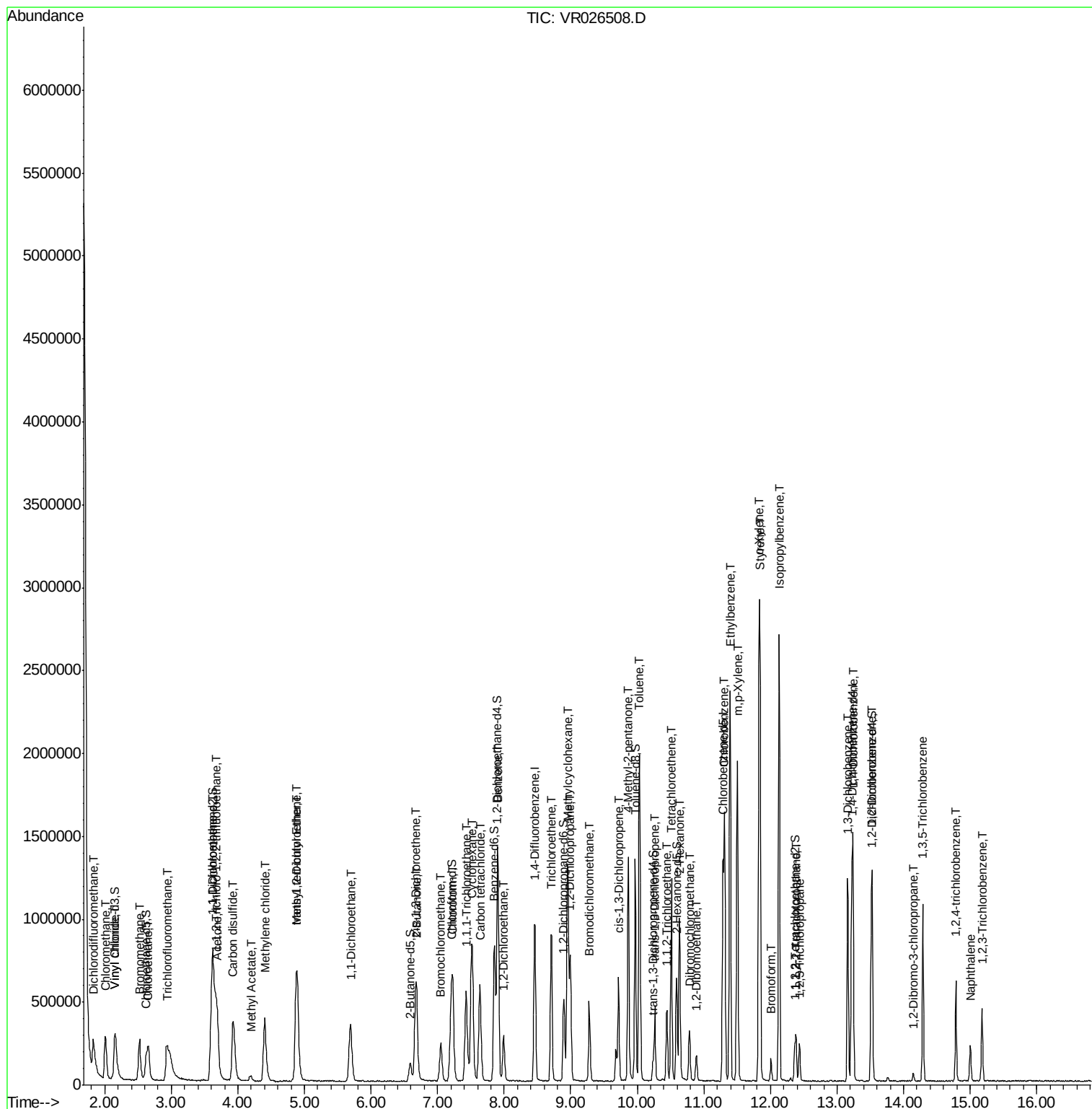
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	73979	5.267	ug/L	92
25) Chloroform	7.23	83	498236	5.171	ug/L	99
27) 1,2-Dichloroethane	7.99	62	248787	5.177	ug/L #	96
29) 1,1,1-Trichloroethane	7.43	97	443247	5.014	ug/L	98
30) Cyclohexane	7.52	56	476906	5.807	ug/L	100
31) Carbon tetrachloride	7.63	117	432511	5.165	ug/L	99
33) Benzene	7.90	78	1128778	5.393	ug/L	100
34) Trichloroethene	8.71	95	287370	5.126	ug/L	96
35) Methylcyclohexane	8.95	83	452509	5.660	ug/L	98
37) 1,2-Dichloropropane	8.99	63	246844	5.382	ug/L	99
38) Bromodichloromethane	9.28	83	281375	5.309	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	295331	5.932	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	864765	64.342	ug/L	98
42) Toluene	10.03	91	1219195	5.684	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	197867	5.448	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	102901	5.546	ug/L	96
47) Tetrachloroethene	10.51	164	213169	5.343	ug/L	94
48) 2-Hexanone	10.63	43	598472	66.946	ug/L	97
49) Dibromochloromethane	10.79	129	127305	5.238	ug/L	90
50) 1,2-Dibromoethane	10.88	107	86929	5.447	ug/L	86
51) Chlorobenzene	11.32	112	639375	5.312	ug/L	99
52) Ethylbenzene	11.39	91	1427246	5.776	ug/L	98
53) m,p-Xylene	11.50	106	505113	5.704	ug/L	95
54) o-Xylene	11.83	106	462187	5.939	ug/L	94
55) Styrene	11.84	104	728376	5.929	ug/L	96
56) Isopropylbenzene	12.13	105	1353186	6.127	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.39	83	97928	5.435	ug/L	93
59) 1,2,3-Trichloropropane	12.43	75	77782	5.628	ug/L	96
61) Bromoform	12.01	173	47528	4.708	ug/L	98
62) 1,3-Dichlorobenzene	13.16	146	374786	5.168	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	405149	4.977	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	307714	5.116	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.15	75	10571	4.572	ug/L #	88
67) 1,3,5-Trichlorobenzene	14.29	180	239254	5.050	ug/L	99
68) 1,2,4-trichlorobenzene	14.78	180	129444	4.916	ug/L	92
69) Naphthalene	15.00	128	132476	5.350	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	104519	5.727	ug/L	98

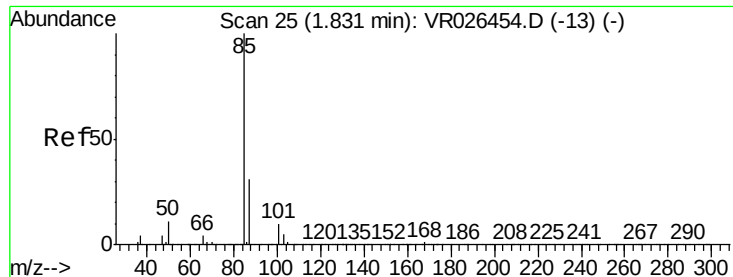
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.859 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampled :

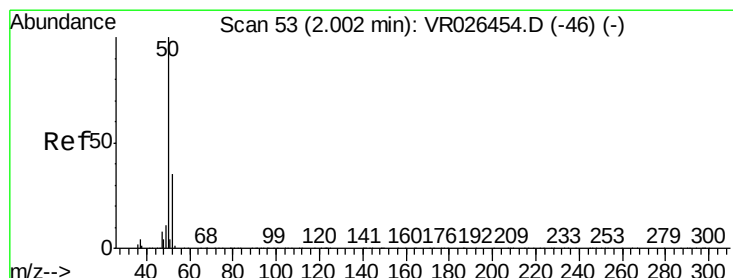
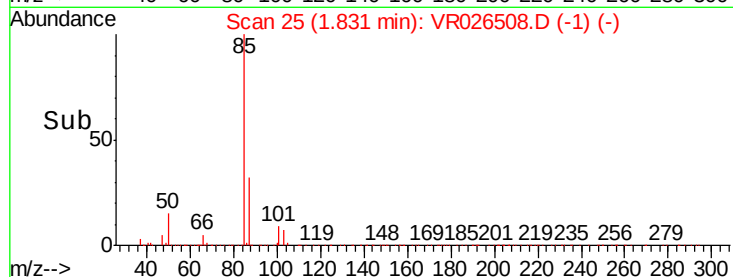
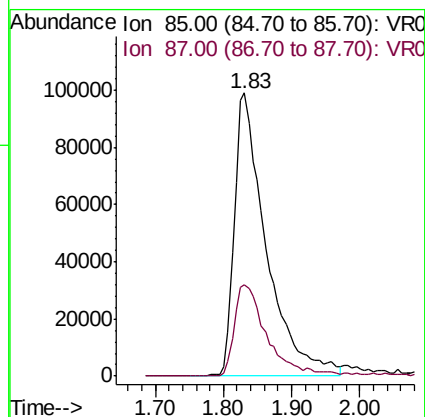
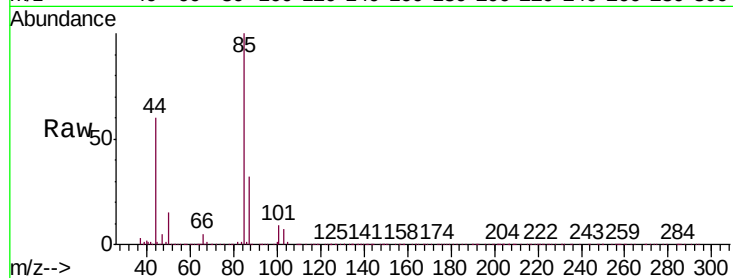
VSTD00564

Tgt Ion: 85 Resp: 322553

Ion Ratio Lower Upper

85 100

87 33.3 25.5 38.3



#3

Chloromethane

Concen: 4.841 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026508.D

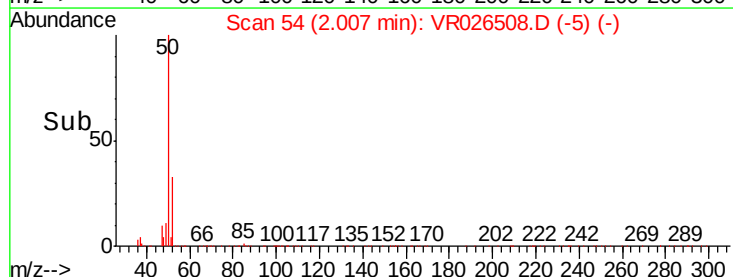
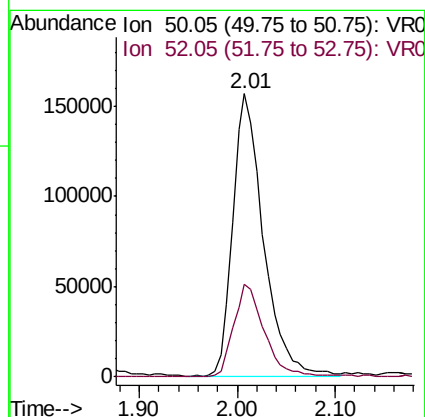
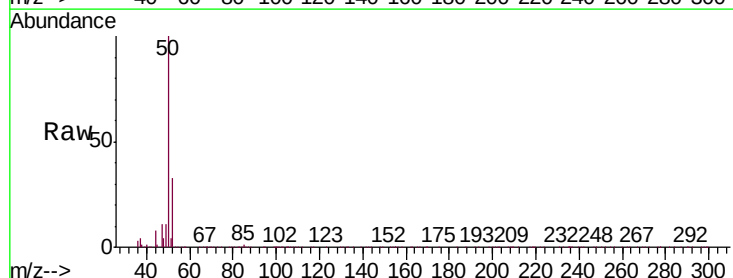
Acq: 8 Apr 2019 11:06

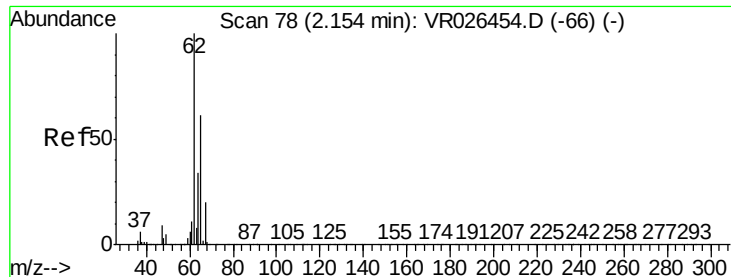
Tgt Ion: 50 Resp: 338964

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.9





#5

Vinyl chloride

Concen: 5.031 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

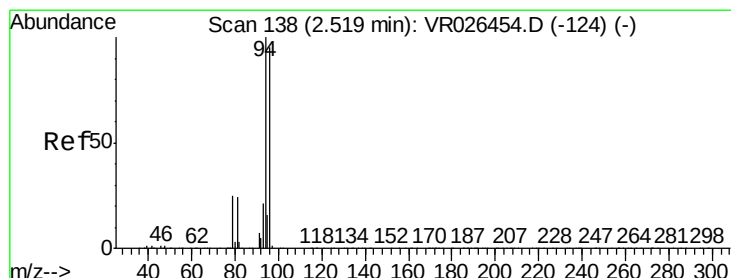
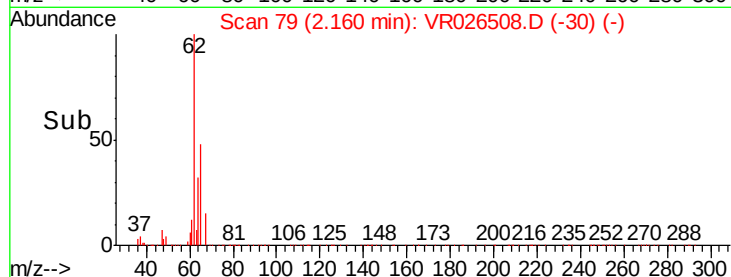
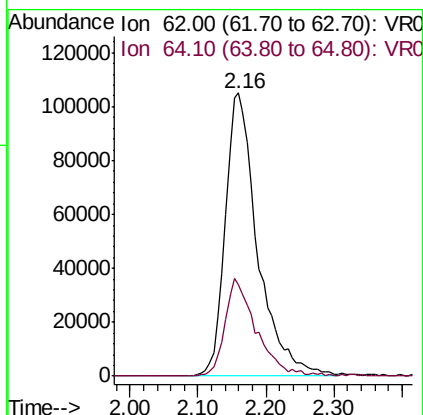
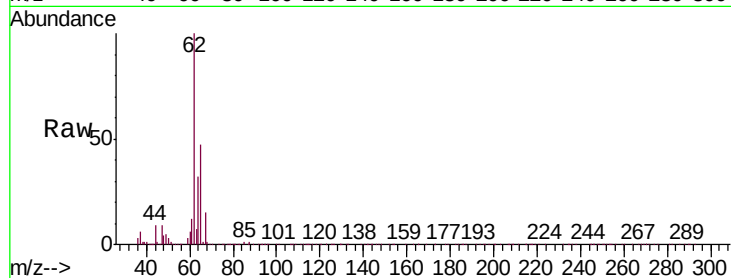
VSTD00564

Tgt Ion: 62 Resp: 346162

Ion Ratio Lower Upper

62 100

64 32.4 22.3 41.5



#6

Bromomethane

Concen: 5.141 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.01 min

Lab File: VR026508.D

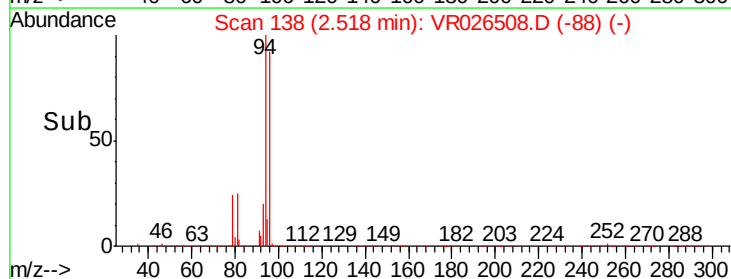
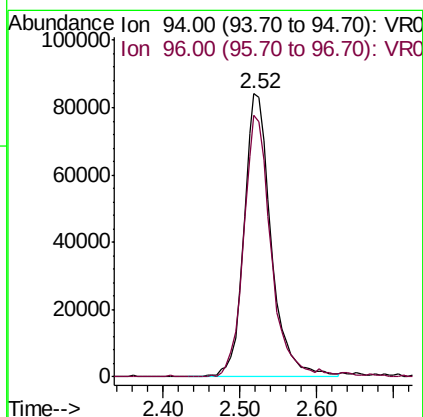
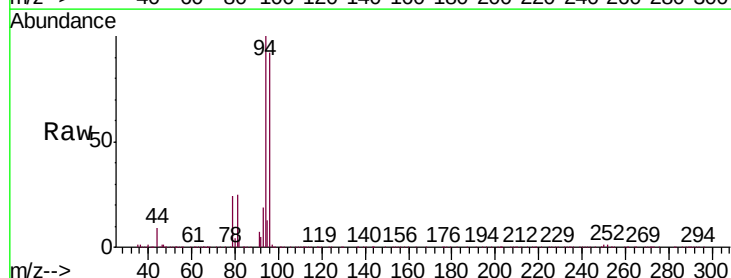
Acq: 8 Apr 2019 11:06

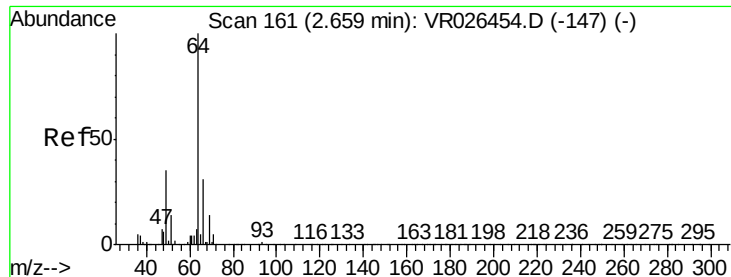
Tgt Ion: 94 Resp: 206823

Ion Ratio Lower Upper

94 100

96 92.4 69.1 128.3





#8

Chloroethane

Concen: 5.126 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

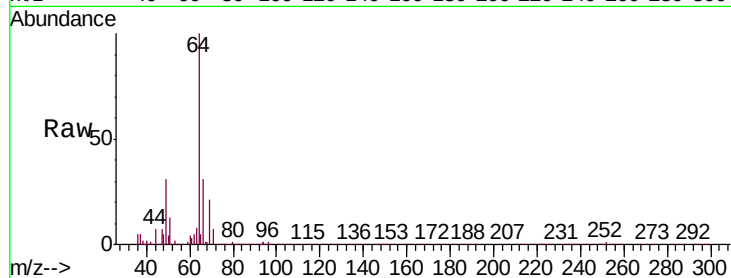
VSTD00564

Tgt Ion: 64 Resp: 199961

Ion Ratio Lower Upper

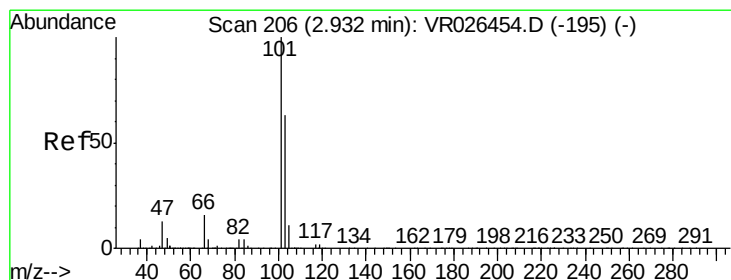
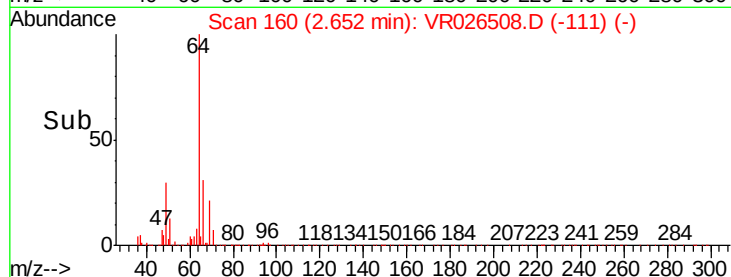
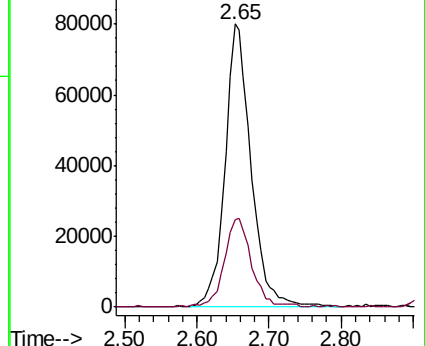
64 100

66 30.9 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 5.685 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.01 min

Lab File: VR026508.D

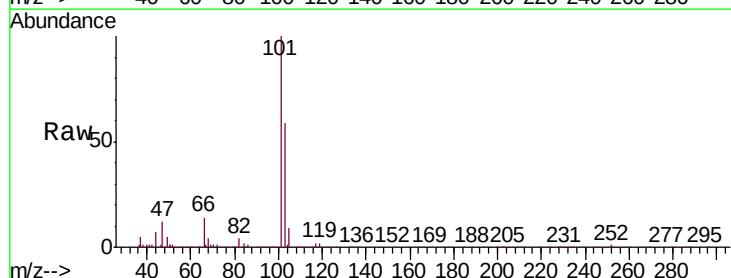
Acq: 8 Apr 2019 11:06

Tgt Ion: 101 Resp: 541434

Ion Ratio Lower Upper

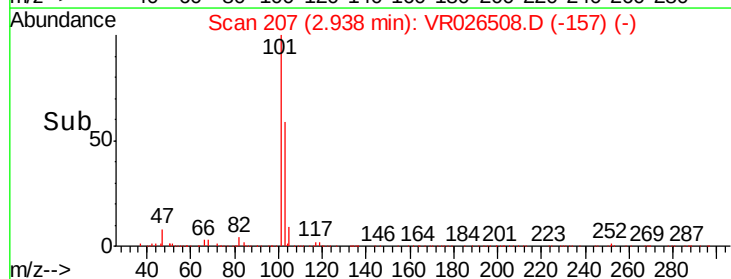
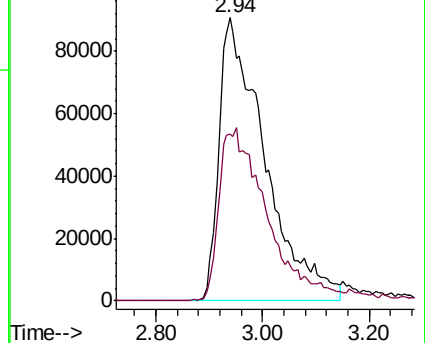
101 100

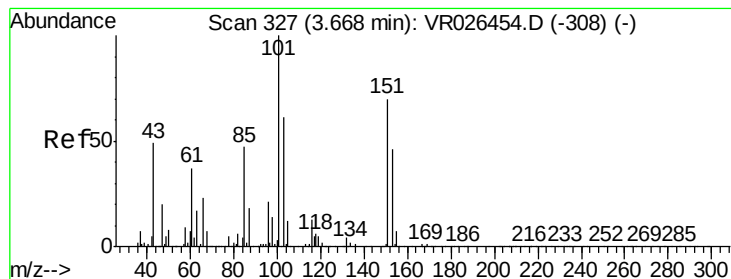
103 63.8 48.2 72.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 5.239 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

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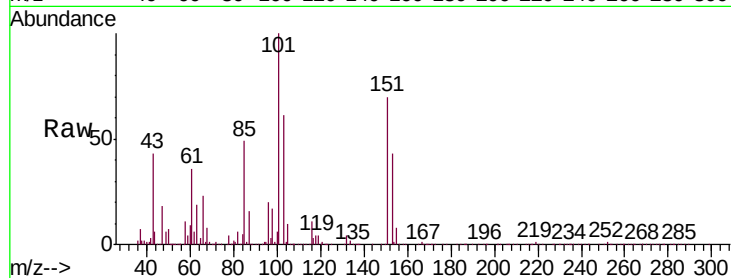
Tgt Ion: 101 Resp: 275301

Ion Ratio Lower Upper

101 100

85 50.6 39.2 58.8

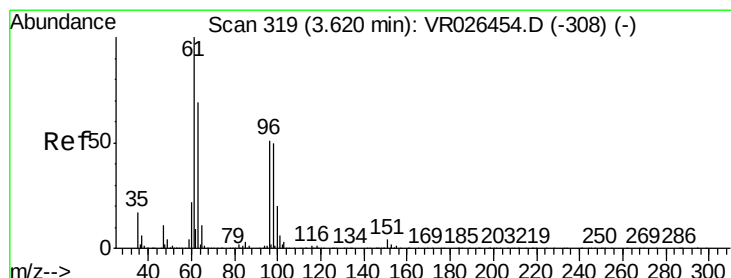
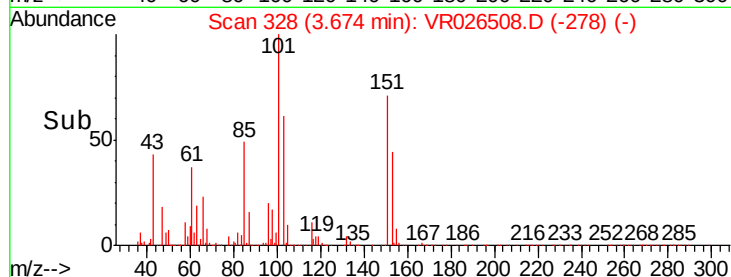
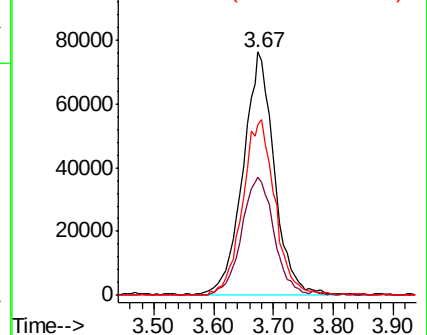
151 75.1 59.7 89.5



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: 5.039 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

Lab File: VR026508.D

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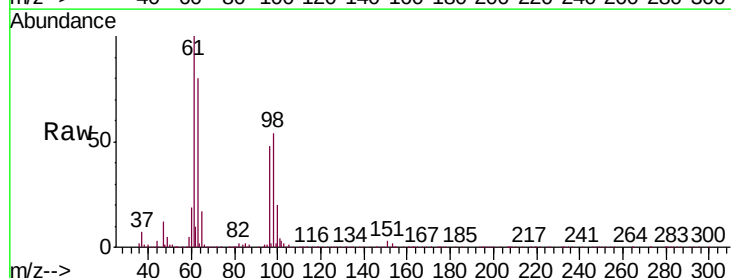
Tgt Ion: 96 Resp: 289434

Ion Ratio Lower Upper

96 100

61 209.0 142.7 264.9

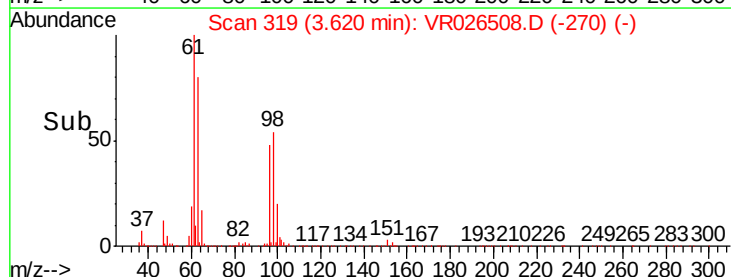
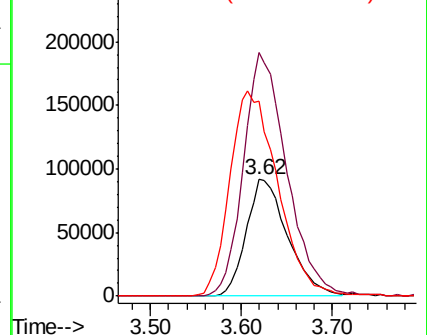
63 167.1 116.9 217.1

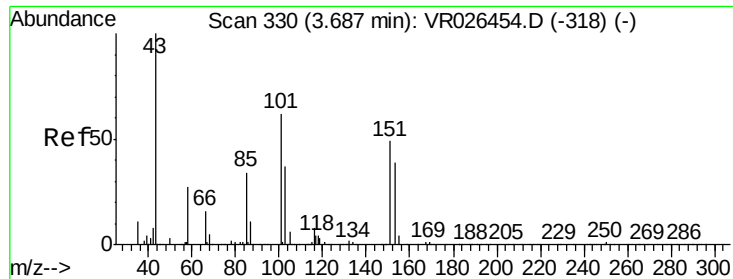


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 49.785 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.01 min

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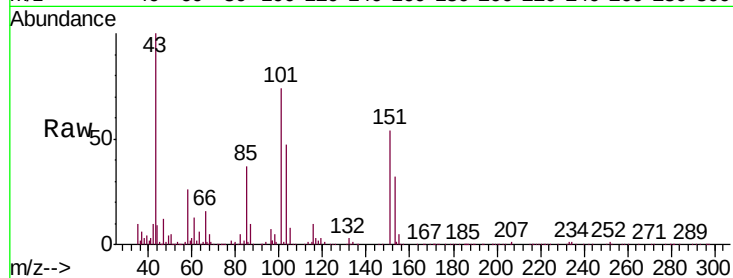
VSTD00564

Tgt Ion: 43 Resp: 220741

Ion Ratio Lower Upper

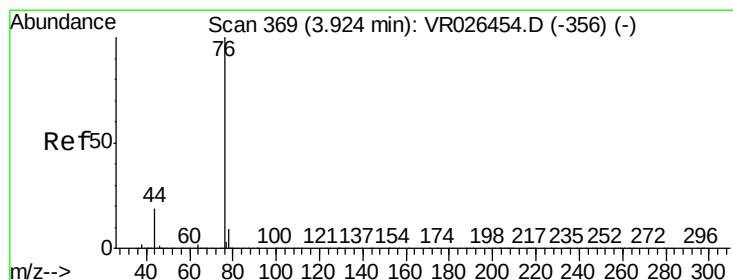
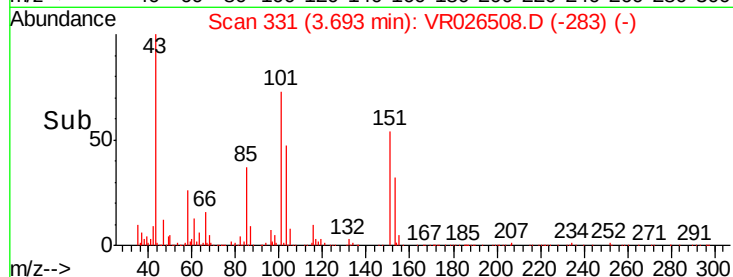
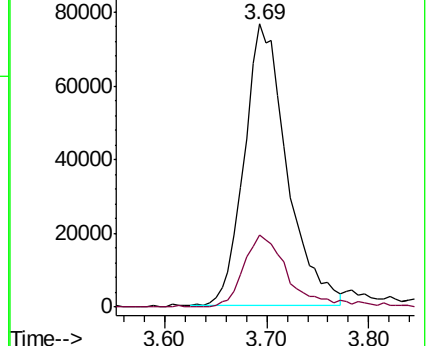
43 100

58 27.1 0.0 53.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 5.004 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026508.D

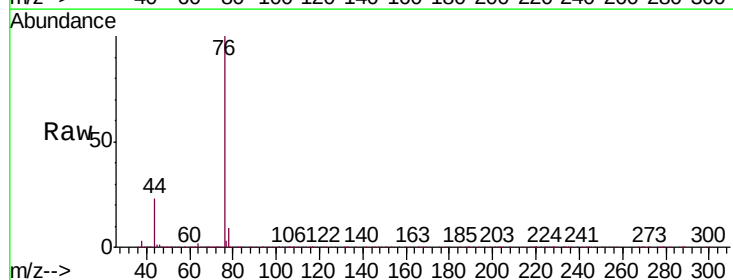
Acq: 8 Apr 2019 11:06

Tgt Ion: 76 Resp: 834280

Ion Ratio Lower Upper

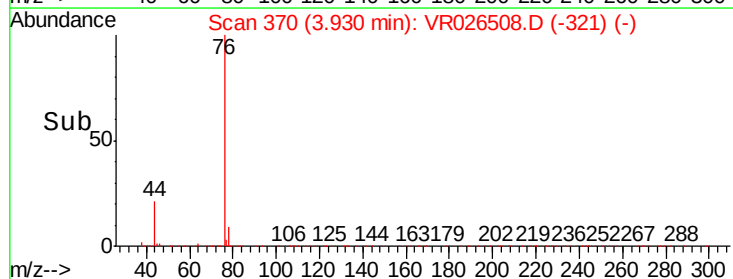
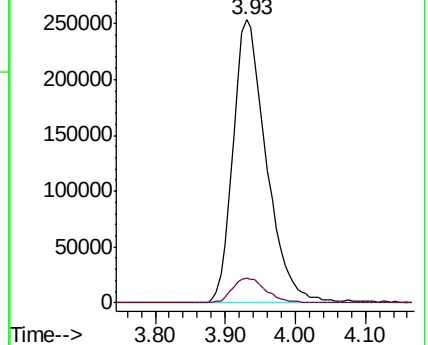
76 100

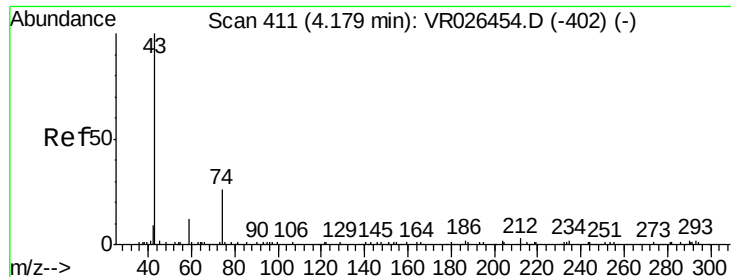
78 9.1 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





#15

Methyl Acetate

Concen: 5.396 ug/L

RT: 4.19 min Scan# 413

Delta R.T. 0.00 min

Lab File: VR026508.D

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MSVOA_R

ClientSampleId :

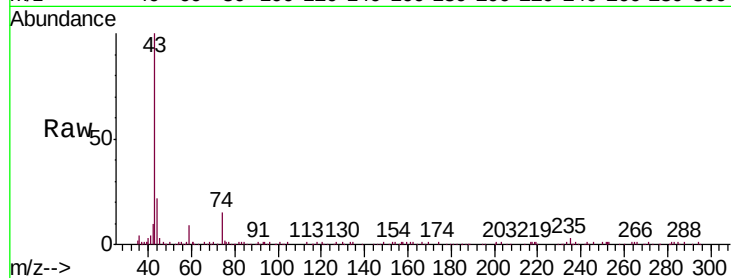
VSTD00564

Tgt Ion: 43 Resp: 64554

Ion Ratio Lower Upper

43 100

74 18.4 17.5 26.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

25000

20000

15000

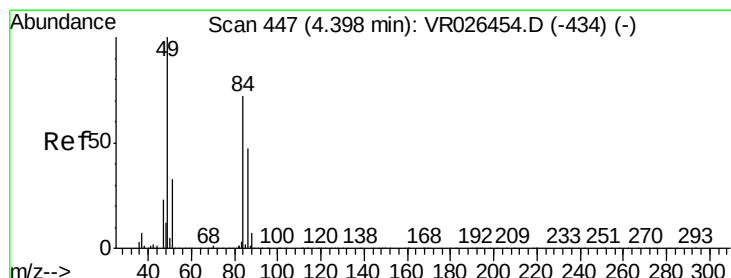
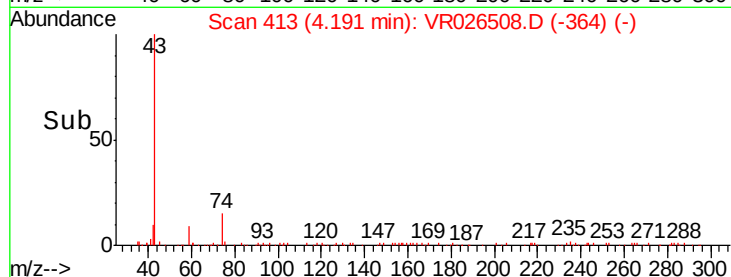
10000

5000

0

4.10 4.20 4.30

Time-->



#16

Methylene chloride

Concen: 4.856 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

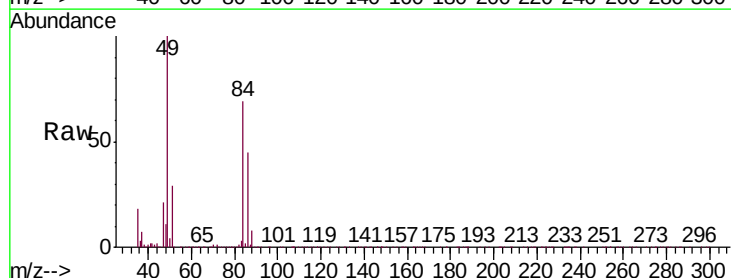
Tgt Ion: 84 Resp: 247965

Ion Ratio Lower Upper

84 100

86 66.2 45.6 84.6

49 145.8 106.5 197.9



Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0

150000

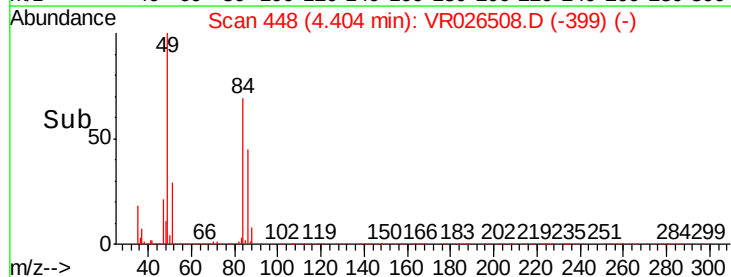
100000

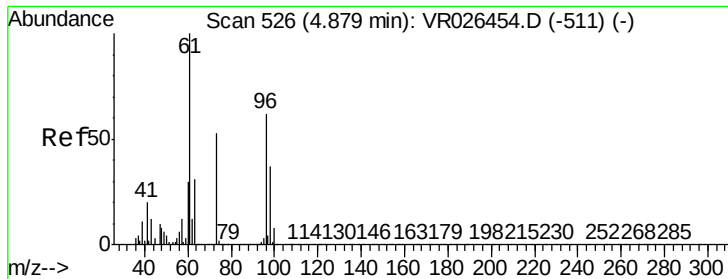
50000

0

4.30 4.40 4.50 4.60

Time-->

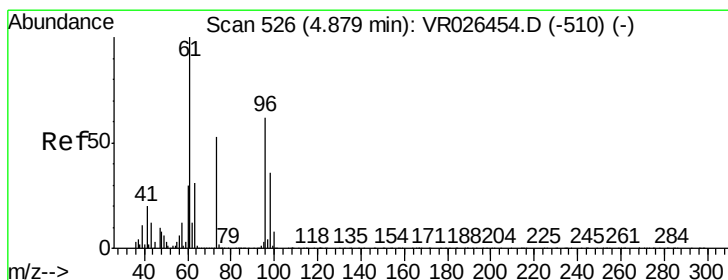
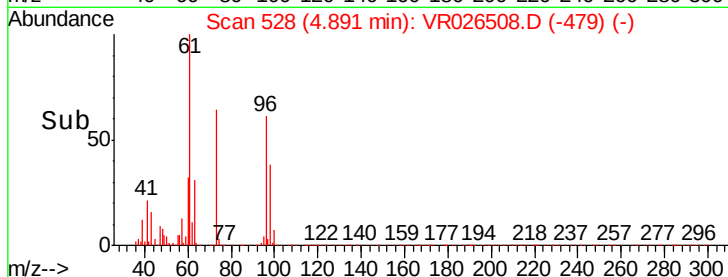
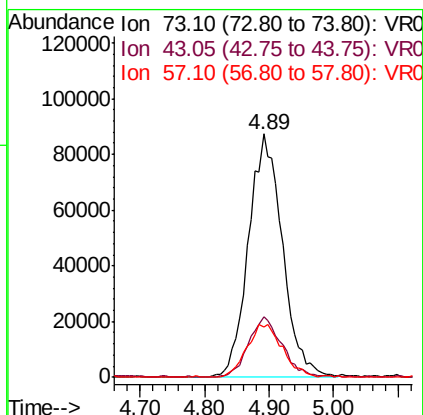
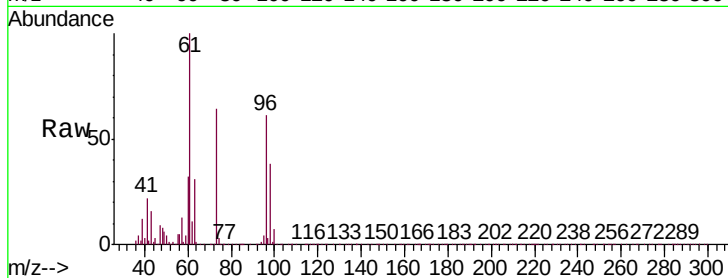




#17
Methyl tert-butyl Ether
Concen: 4.835 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

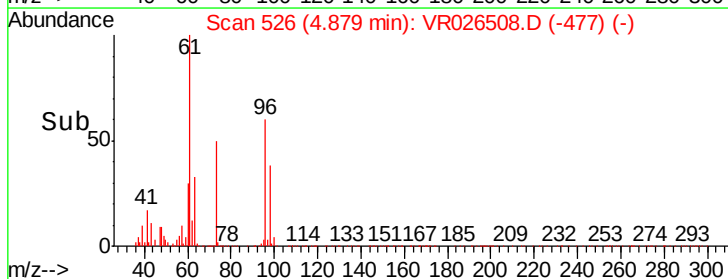
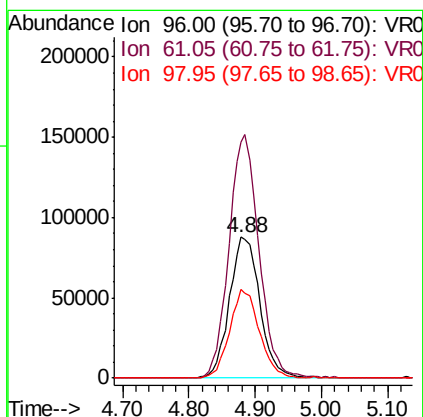
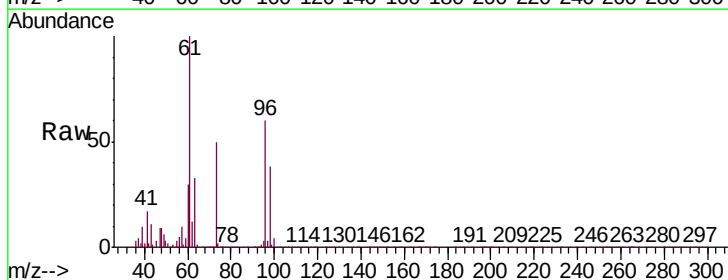
Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

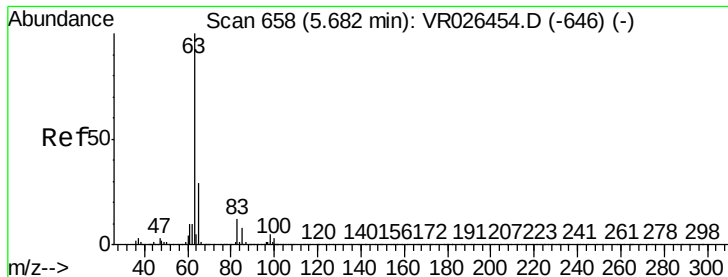
Tgt Ion:	73	Resp:	315891
Ion	Ratio	Lower	Upper
73	100		
43	24.3	19.8	29.8
57	22.9	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 5.187 ug/L
RT: 4.88 min Scan# 526
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Tgt Ion:	96	Resp:	281130
Ion	Ratio	Lower	Upper
96	100		
61	167.6	122.9	228.3
98	63.2	45.2	84.0

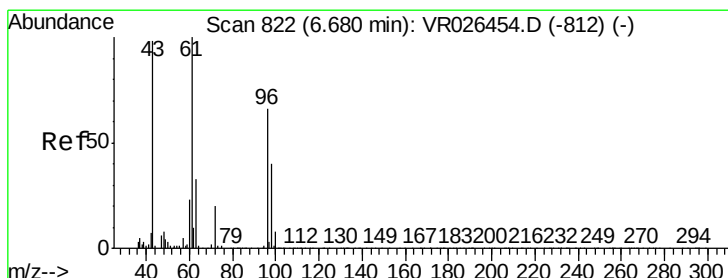
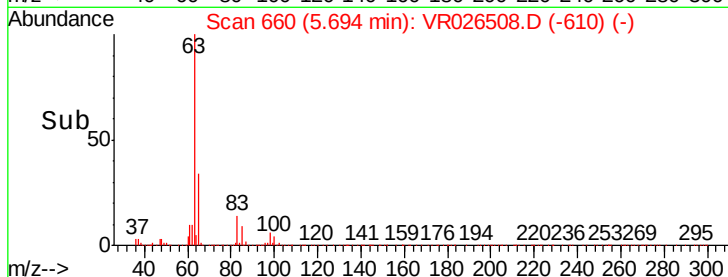
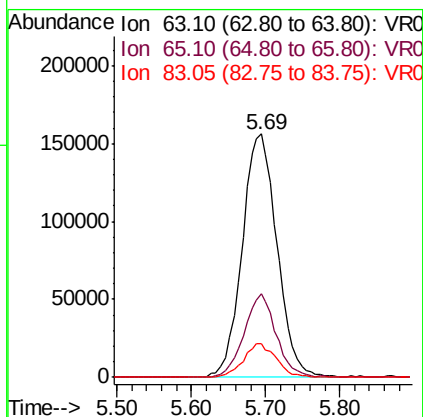
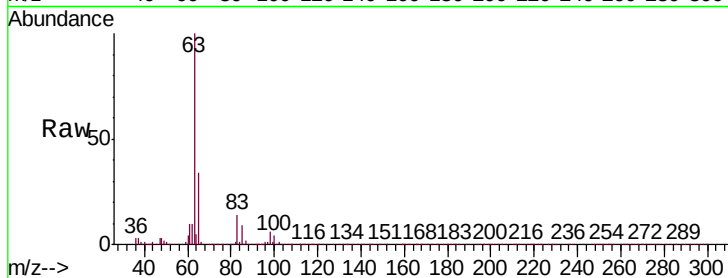




#19
 1,1-Dichloroethane
 Concen: 5.072 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.01 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

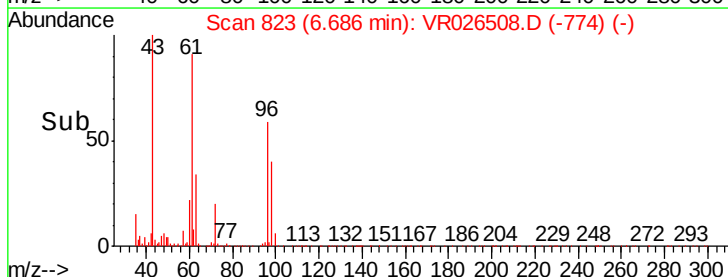
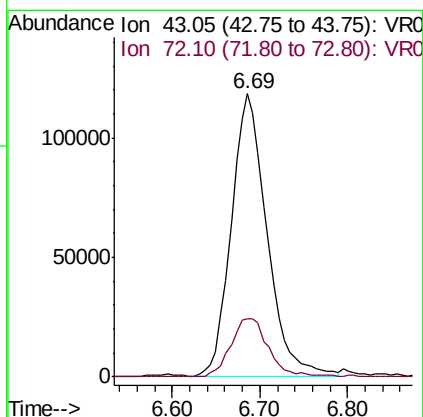
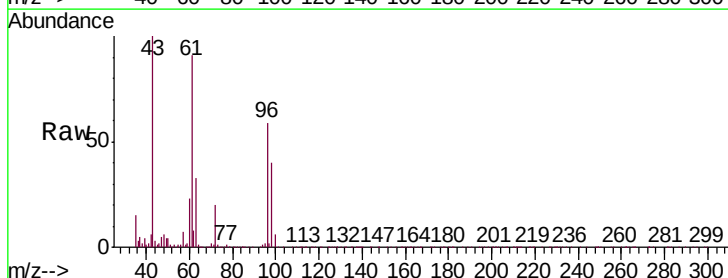
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00564

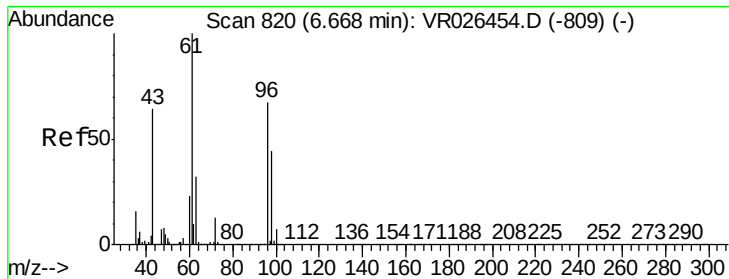
Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.1	22.0	40.8
83	13.7	8.2	15.2



#21
 2-Butanone
 Concen: 58.259 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	11.1	33.3



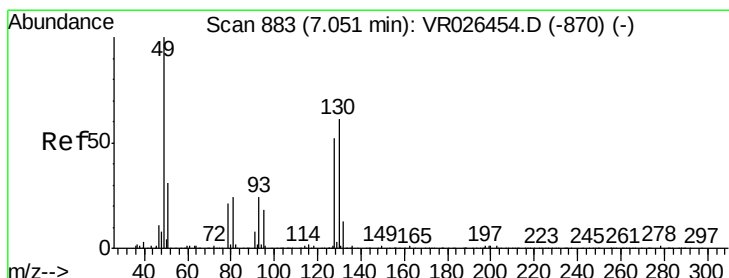
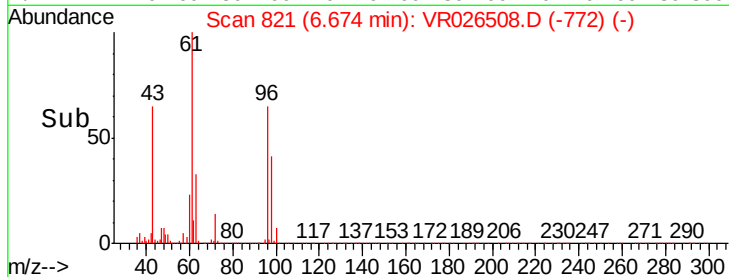
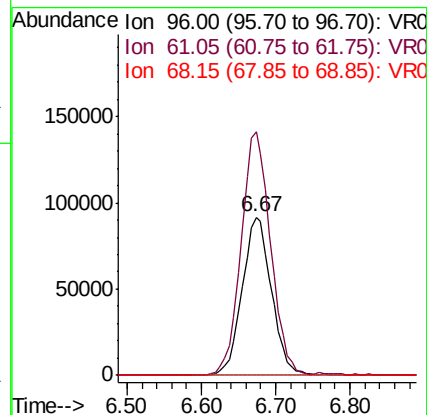
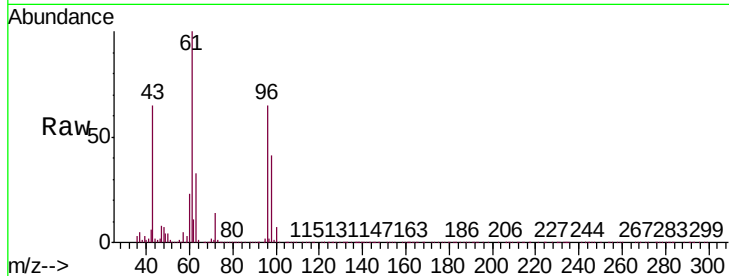


#22

cis-1,2-Dichloroethene
Concen: 5.613 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

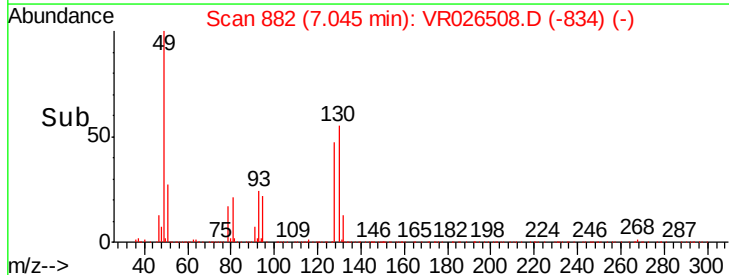
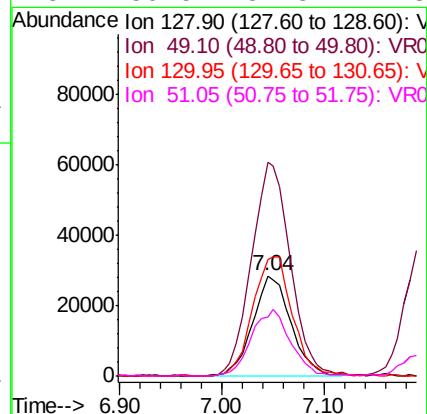
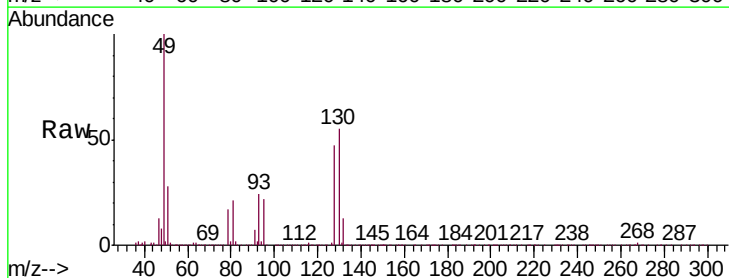
Tgt Ion: 96 Resp: 253020
Ion Ratio Lower Upper
96 100
61 154.1 115.0 213.6
68 0.3 0.0 0.0#

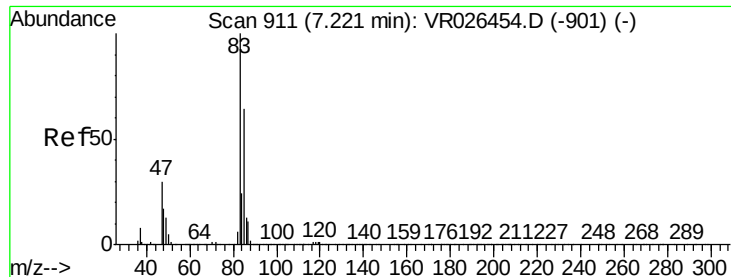


#23

Bromochloromethane
Concen: 5.267 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Tgt Ion: 128 Resp: 73979
Ion Ratio Lower Upper
128 100
49 213.4 158.3 293.9
130 116.3 90.0 167.2
51 59.5 51.8 77.8





#25

Chloroform

Concen: 5.171 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

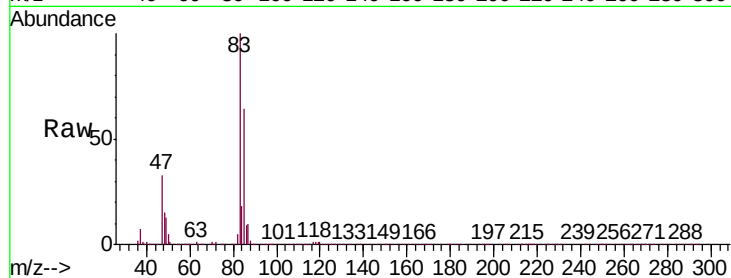
VSTD00564

Tgt Ion: 83 Resp: 498236

Ion Ratio Lower Upper

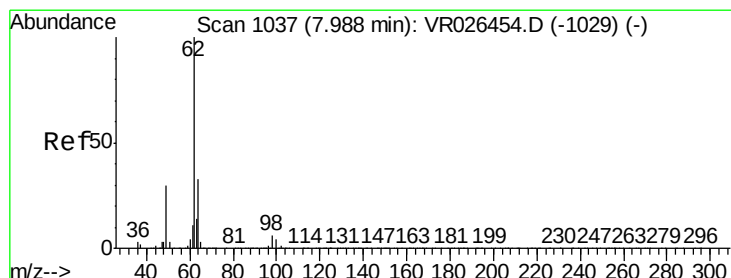
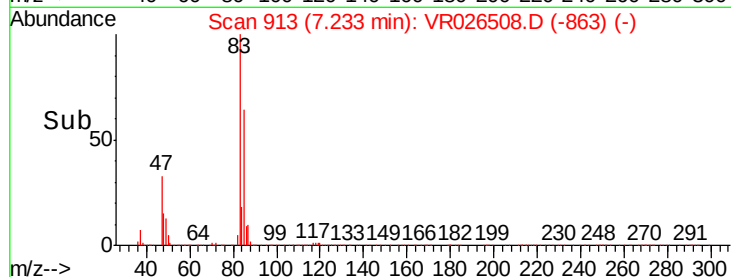
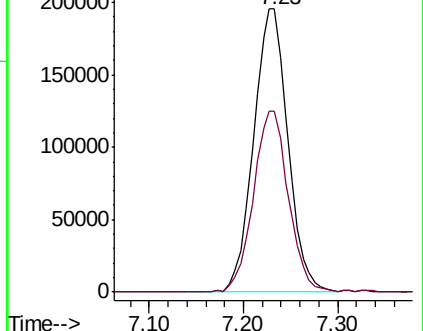
83 100

85 63.8 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 5.177 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026508.D

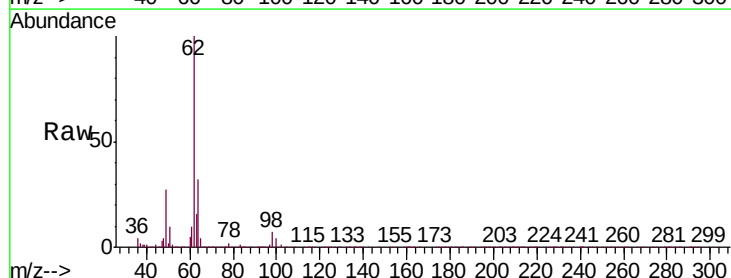
Acq: 8 Apr 2019 11:06

Tgt Ion: 62 Resp: 248787

Ion Ratio Lower Upper

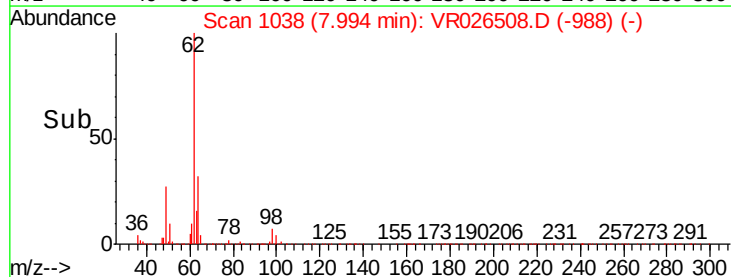
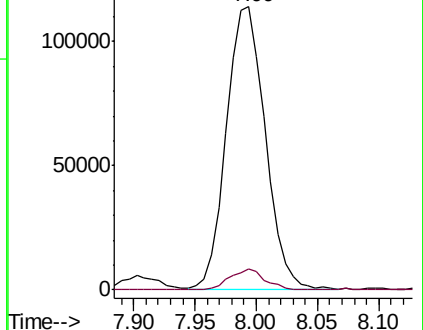
62 100

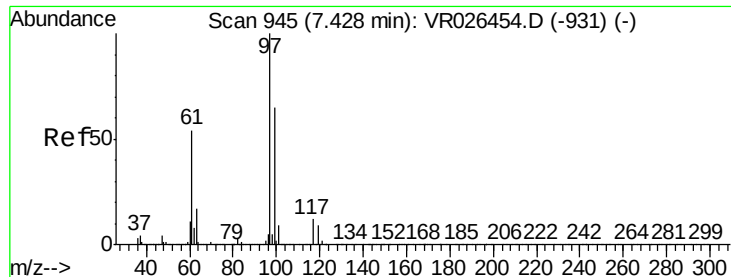
98 7.4 4.8 7.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

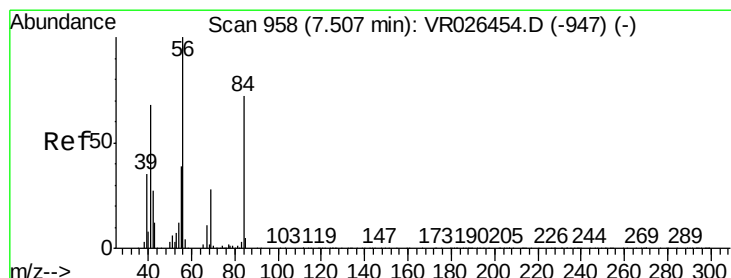
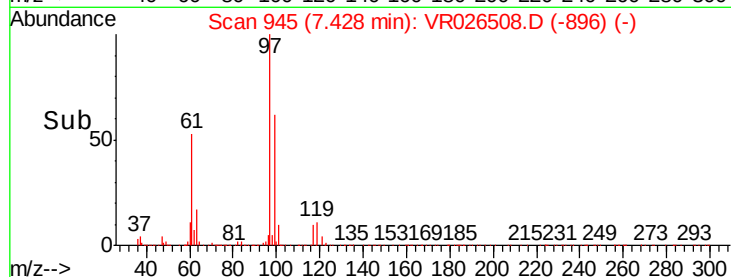
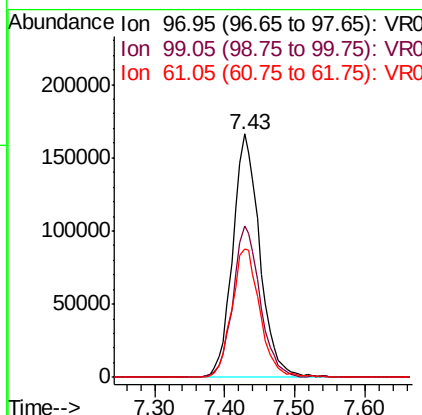
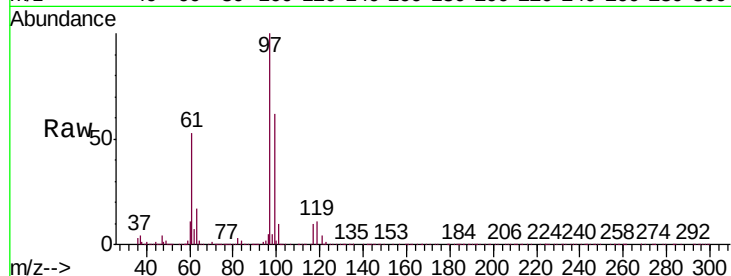




#29
 1,1,1-Trichloroethane
 Concen: 5.014 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

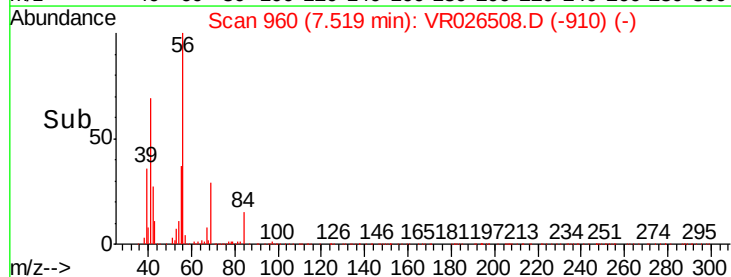
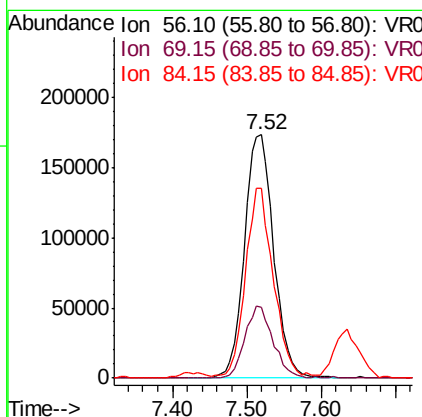
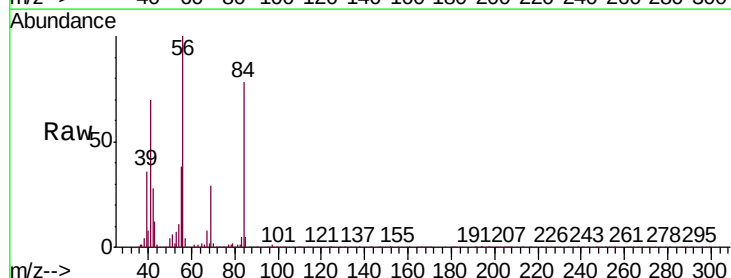
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00564

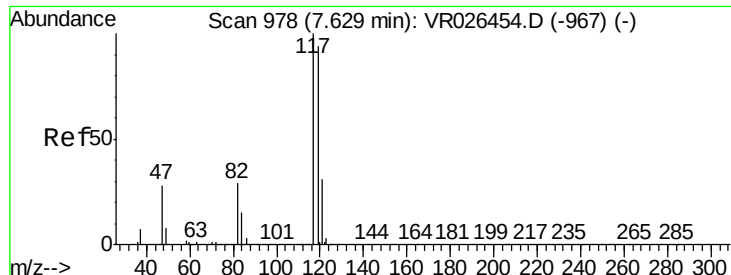
Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	49.6	74.4
61	54.7	41.8	62.6



#30
 Cyclohexane
 Concen: 5.807 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
56	100		
69	28.2	22.6	33.8
84	74.5	59.6	89.4





#31

Carbon tetrachloride

Concen: 5.165 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

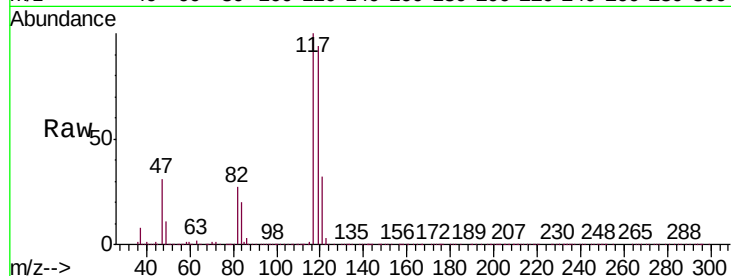
VSTD00564

Tgt Ion:117 Resp: 432511

Ion Ratio Lower Upper

117 100

119 96.1 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

200000

150000

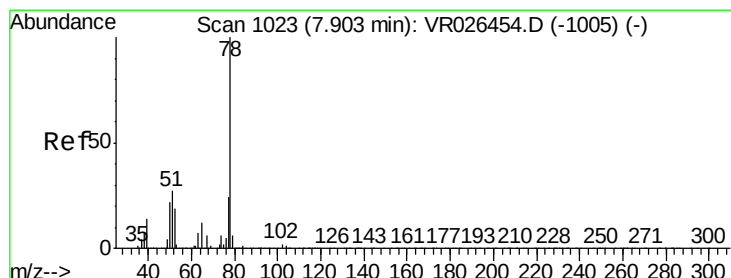
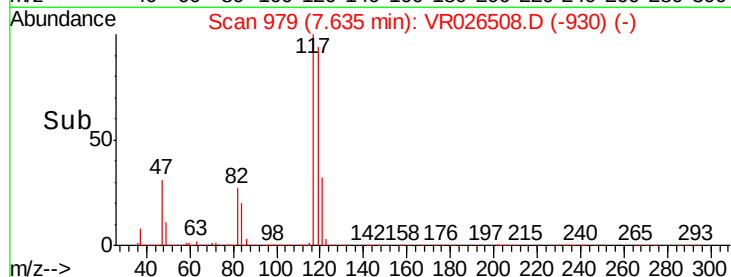
100000

50000

0

7.50 7.60 7.70

Time-->



#33

Benzene

Concen: 5.393 ug/L

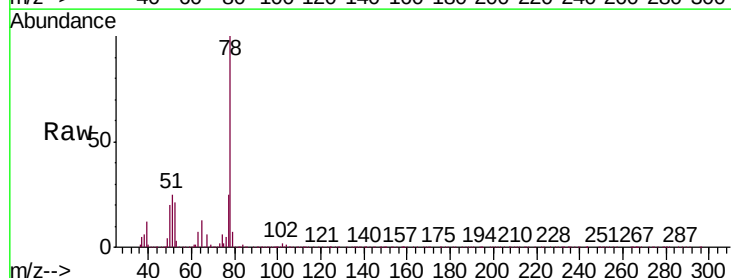
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Tgt Ion: 78 Resp: 1128778



Abundance Ion 78.10 (77.80 to 78.80): VR0

600000

500000

400000

300000

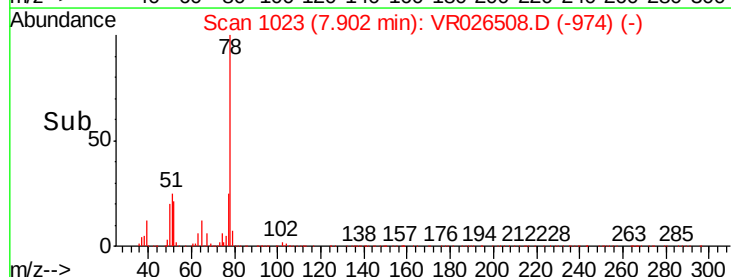
200000

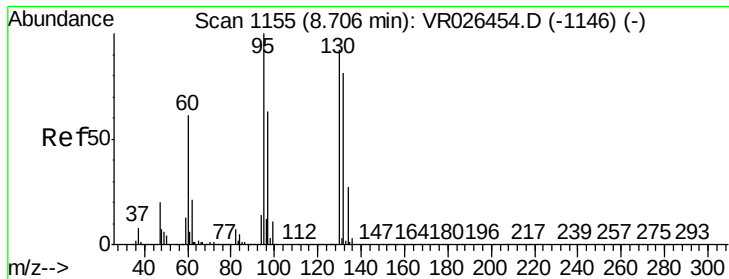
100000

0

7.70 7.80 7.90 8.00 8.10

Time-->

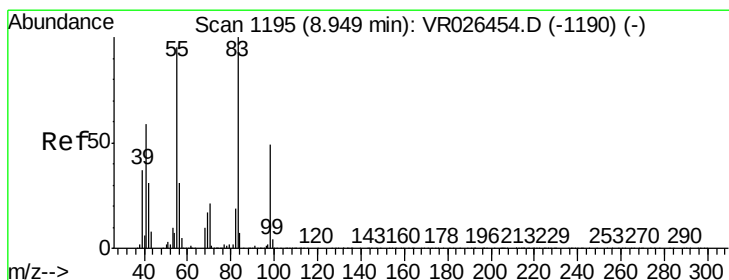
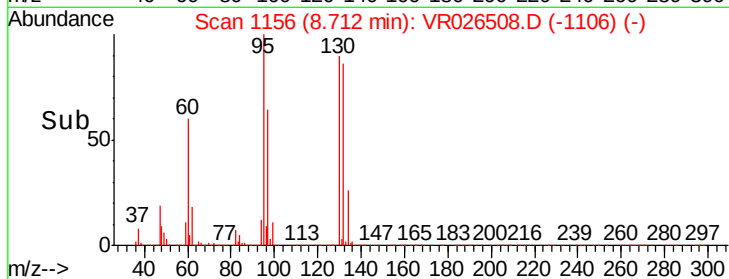
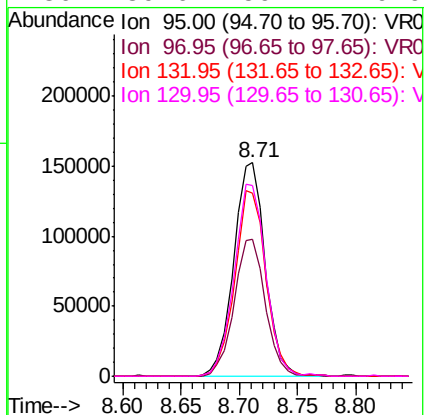
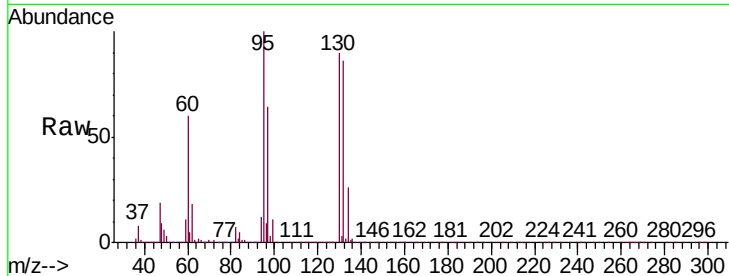




#34
 Trichloroethene
 Concen: 5.126 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

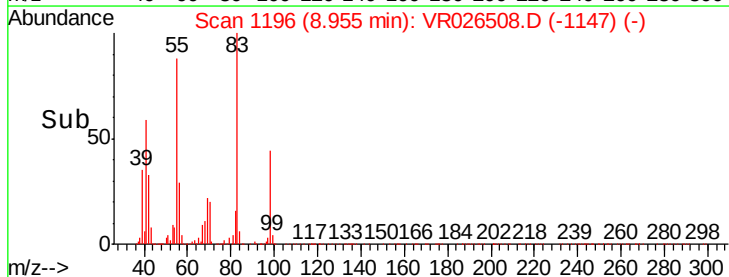
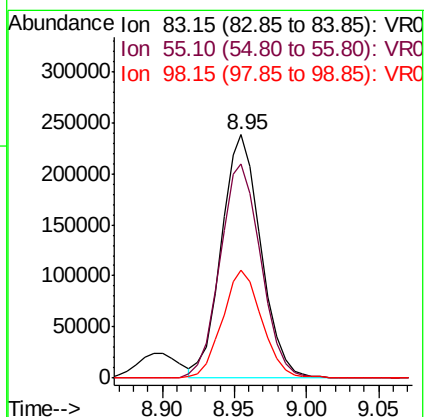
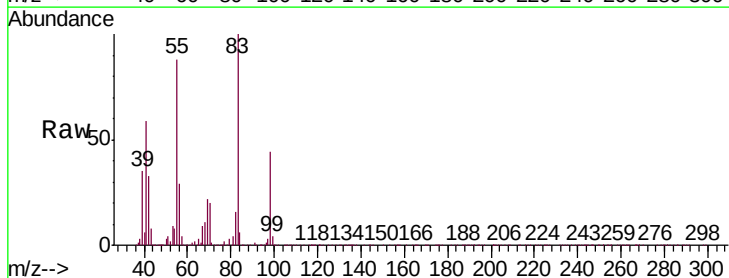
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00564

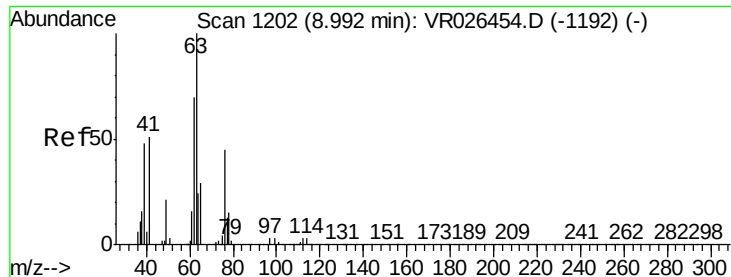
Tgt Ion:	95	Resp:	287370
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.8	81.3
132	85.6	57.2	106.2
130	89.6	59.7	110.9



#35
 Methylcyclohexane
 Concen: 5.660 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion:	83	Resp:	452509
Ion	Ratio	Lower	Upper
83	100		
55	91.4	73.8	110.6
98	45.1	34.6	51.8

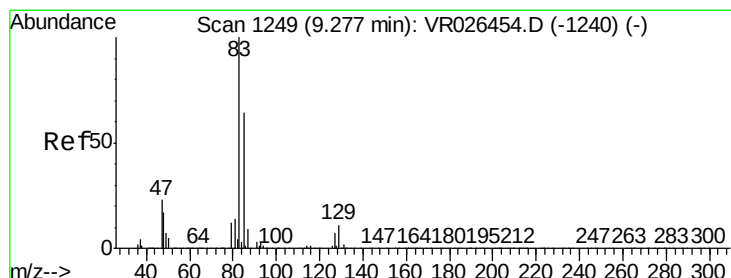
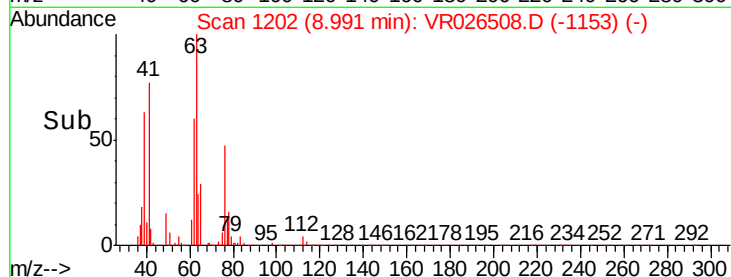
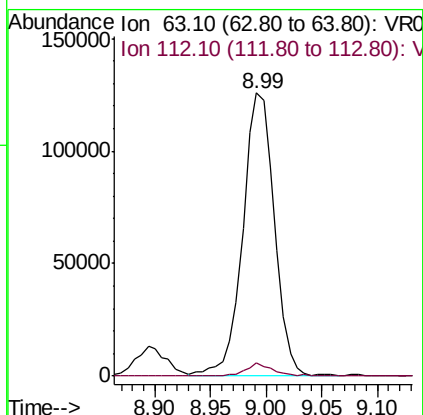
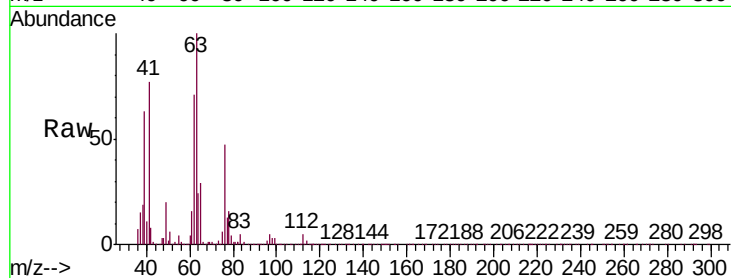




#37
 1,2-Dichloropropane
 Concen: 5.382 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

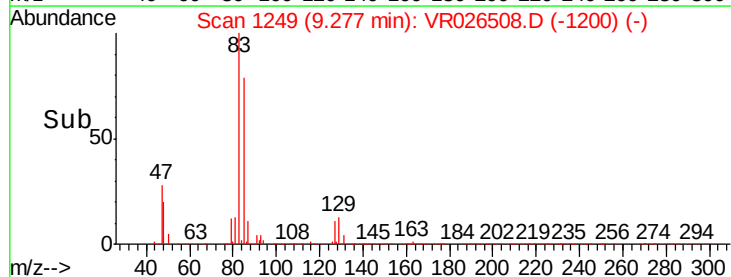
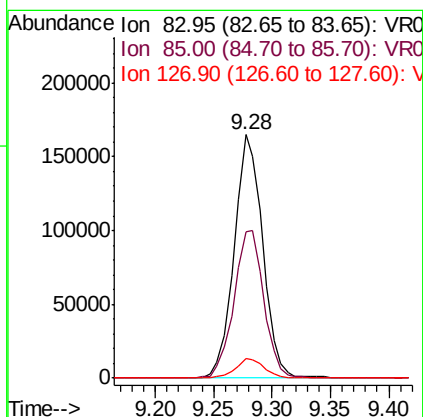
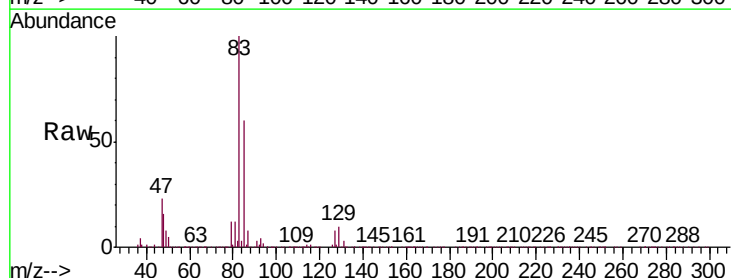
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00564

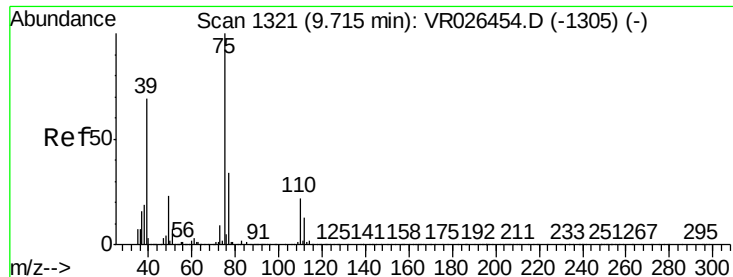
Tgt Ion: 63 Resp: 246844
 Ion Ratio Lower Upper
 63 100
 112 4.0 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.309 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion: 83 Resp: 281375
 Ion Ratio Lower Upper
 83 100
 85 60.3 46.6 86.6
 127 8.0 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 5.932 ug/L

RT: 9.72 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

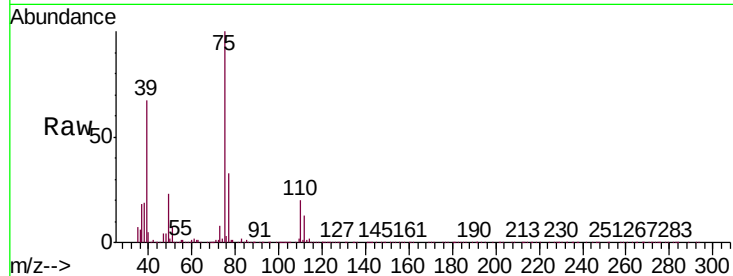
VSTD00564

Tgt Ion: 75 Resp: 295331

Ion Ratio Lower Upper

75 100

77 33.3 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

200000

150000

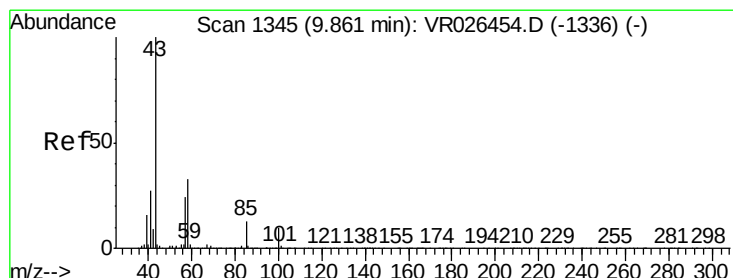
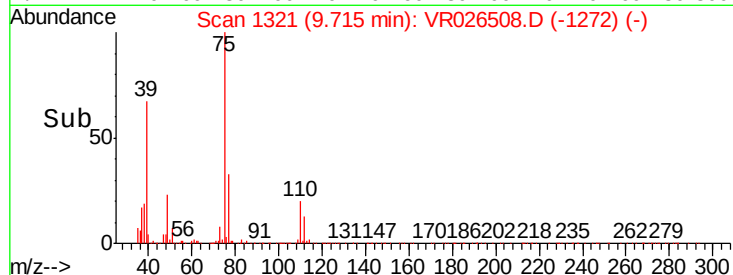
100000

50000

0

9.60 9.70 9.80

Time-->



#40

4-Methyl-2-pentanone

Concen: 64.342 ug/L

RT: 9.86 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

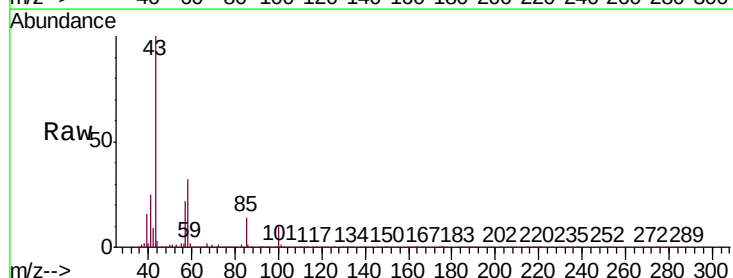
Tgt Ion: 43 Resp: 864765

Ion Ratio Lower Upper

43 100

58 32.4 27.0 40.4

100 10.3 8.9 13.3



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

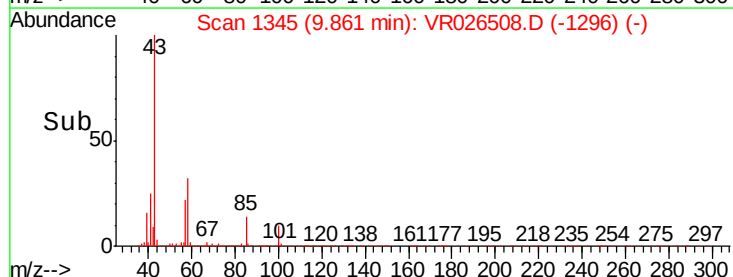
400000

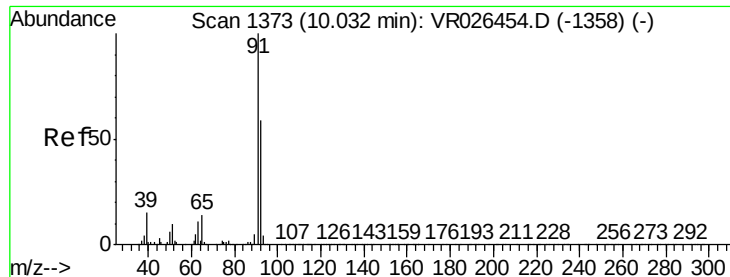
200000

0

9.80 9.90

Time-->





#42

Toluene

Concen: 5.684 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

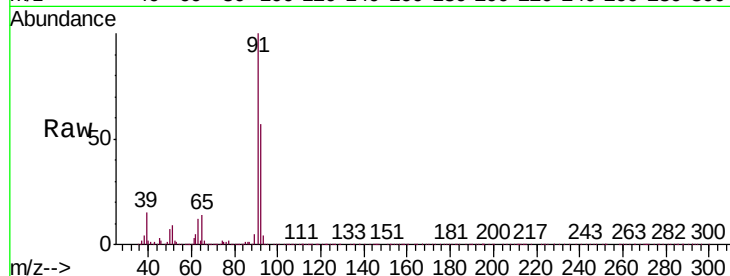
VSTD00564

Tgt Ion: 91 Resp: 1219195

Ion Ratio Lower Upper

91 100

92 57.2 40.9 75.9



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.03

800000

600000

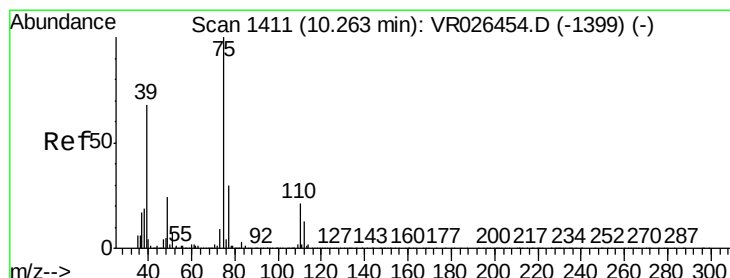
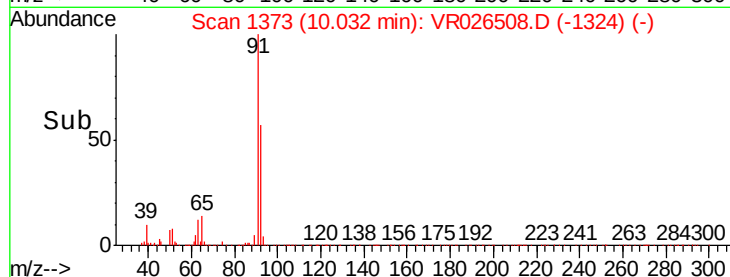
400000

200000

0

10.00 10.10

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.448 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026508.D

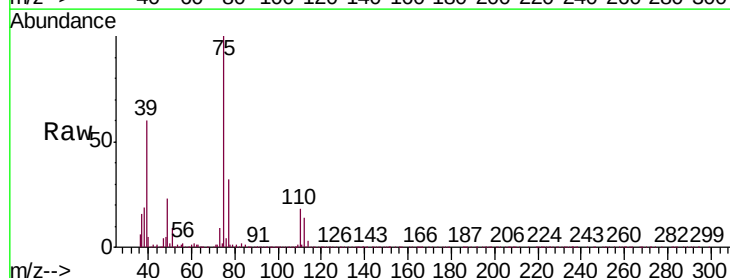
Acq: 8 Apr 2019 11:06

Tgt Ion: 75 Resp: 197867

Ion Ratio Lower Upper

75 100

77 32.2 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

150000

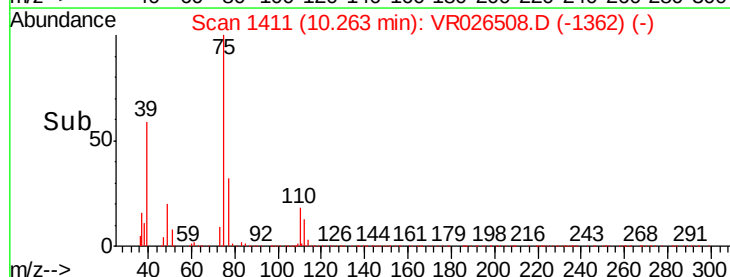
100000

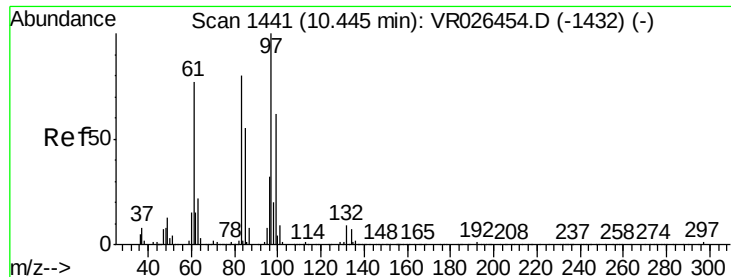
50000

0

10.20 10.25 10.30

Time-->

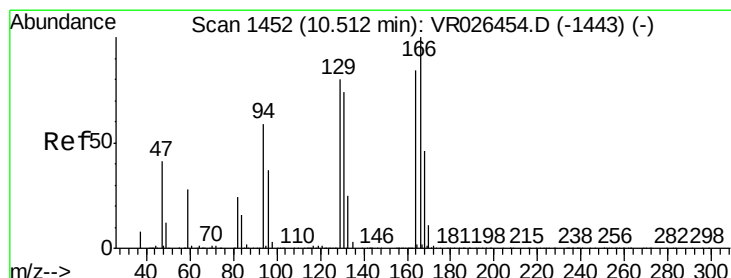
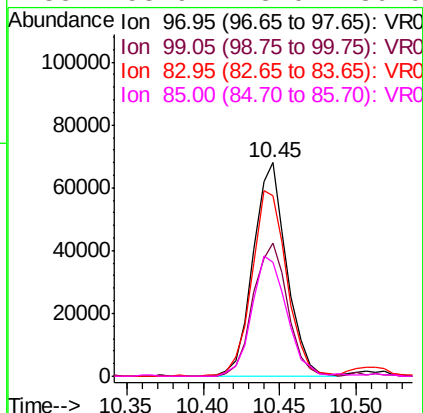
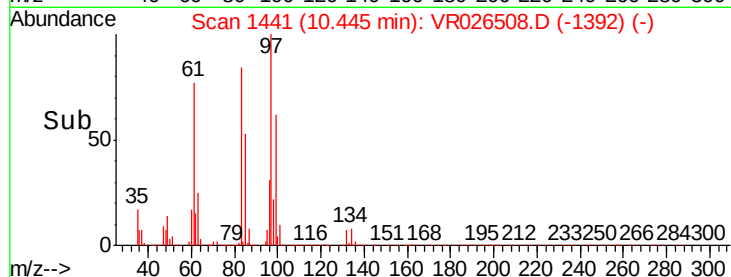
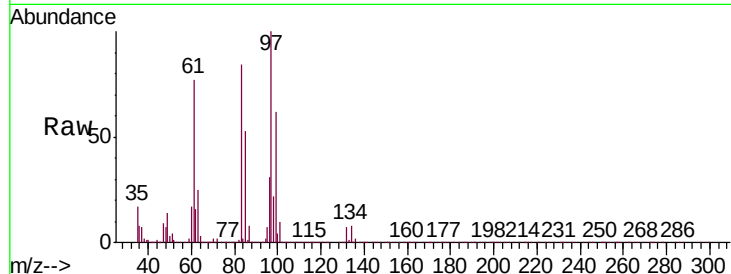




#45
 1,1,2-Trichloroethane
 Concen: 5.546 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

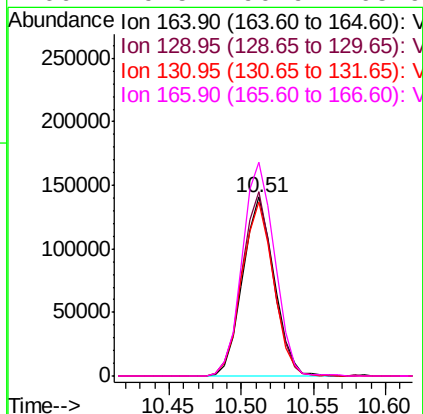
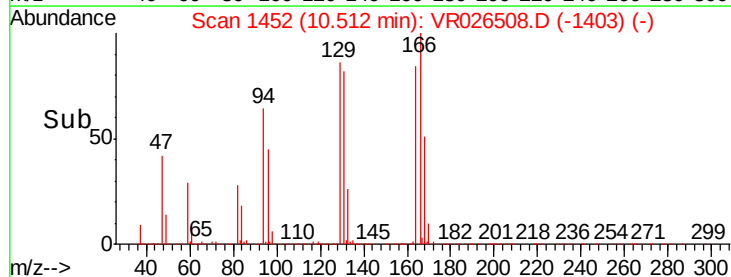
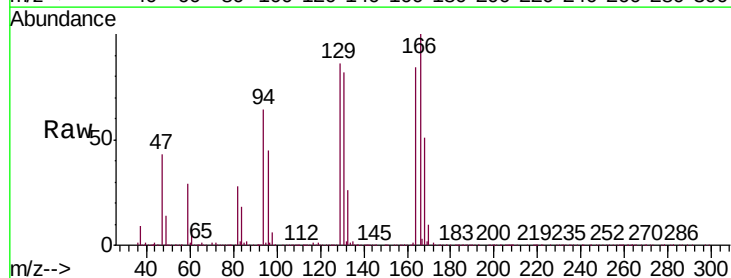
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00564

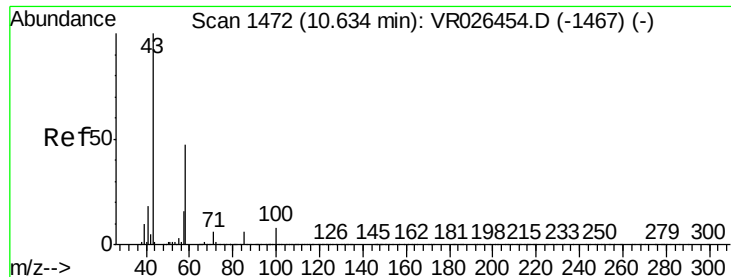
Tgt Ion:	97	Resp:	102901
Ion	Ratio	Lower	Upper
97	100		
99	62.1	41.7	77.5
83	84.5	59.5	110.5
85	53.9	43.0	80.0



#47
 Tetrachloroethene
 Concen: 5.343 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion:	164	Resp:	213169
Ion	Ratio	Lower	Upper
164	100		
129	103.1	74.1	137.5
131	97.5	71.3	132.5
166	119.5	90.9	168.9

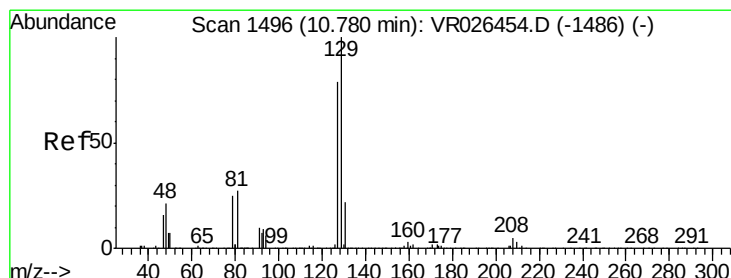
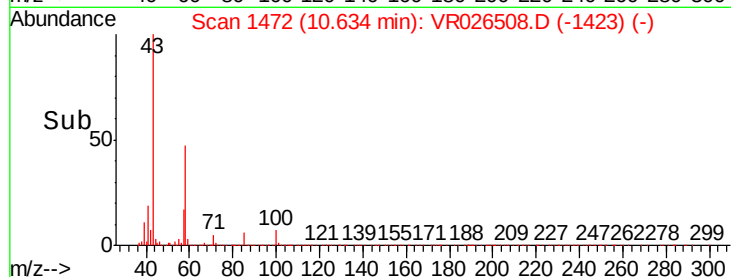
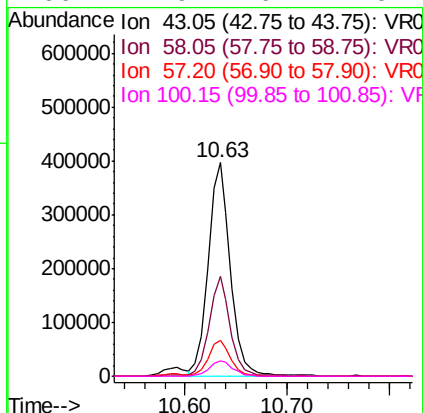
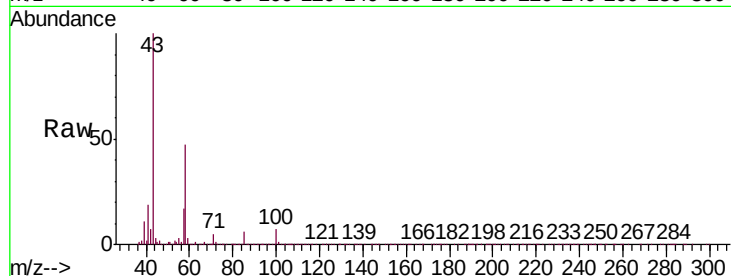




#48
2-Hexanone
Concen: 66.946 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

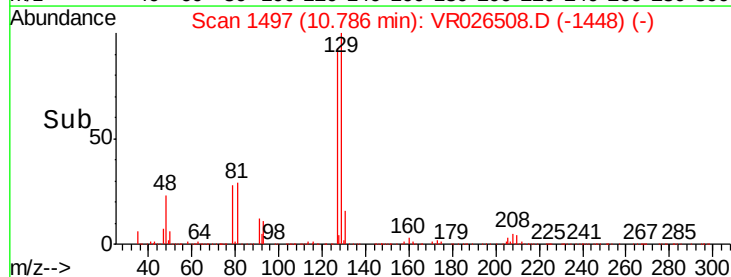
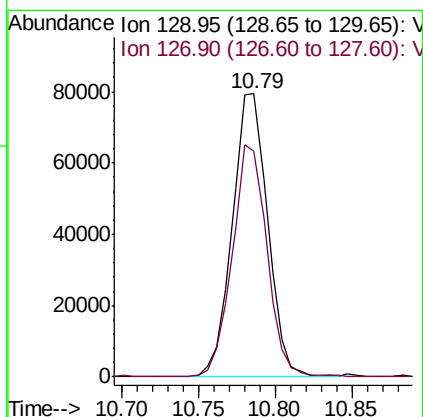
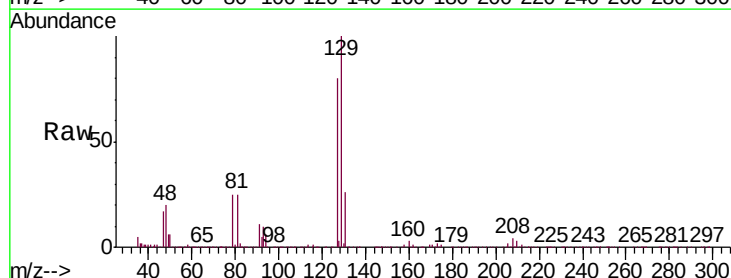
Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

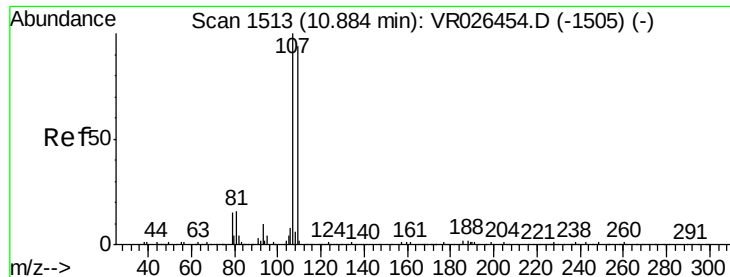
Tgt Ion:	43	Resp:	598472
Ion	Ratio	Lower	Upper
43	100		
58	45.5	38.2	57.2
57	16.5	13.8	20.6
100	7.9	6.2	9.2



#49
Dibromochloromethane
Concen: 5.238 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Tgt Ion:	129	Resp:	127305
Ion	Ratio	Lower	Upper
129	100		
127	79.9	50.2	93.2

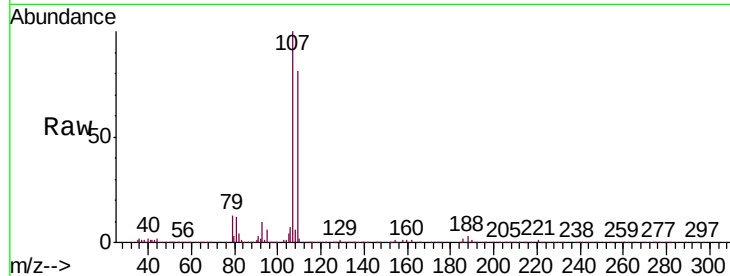




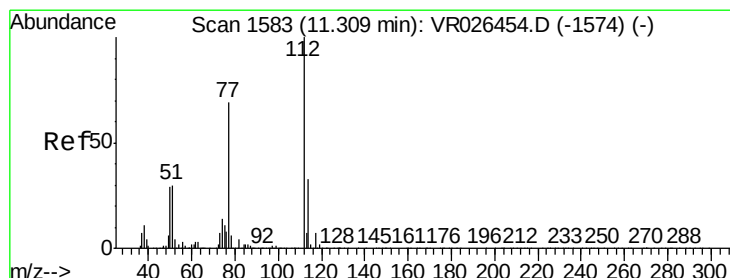
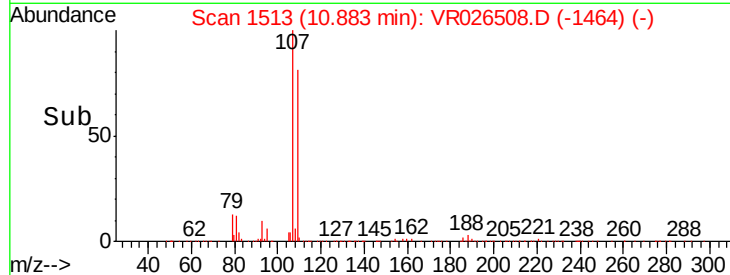
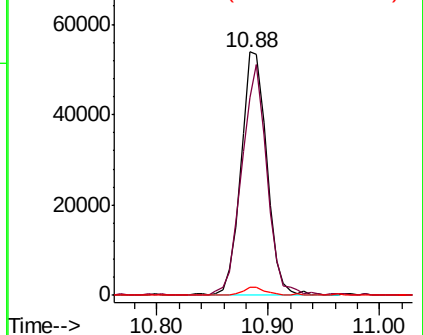
#50
1,2-Dibromoethane
Concen: 5.447 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

Tgt Ion:107 Resp: 86929
Ion Ratio Lower Upper
107 100
109 81.1 66.8 124.2
188 3.2 2.8 4.2

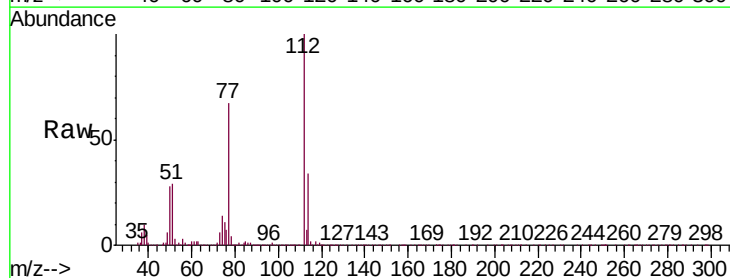


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

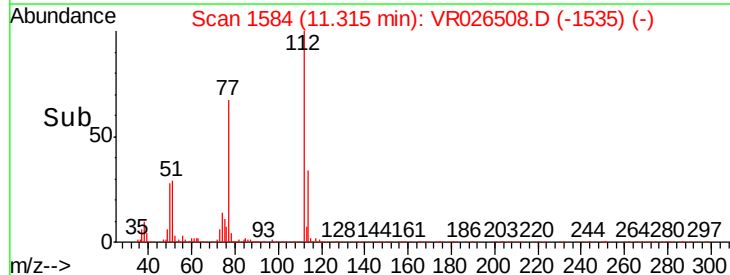
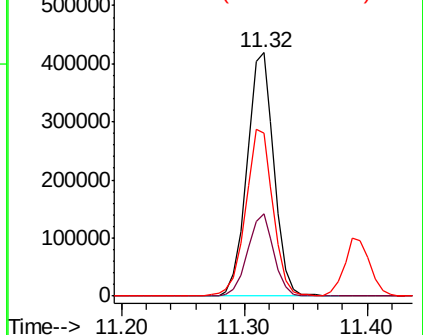


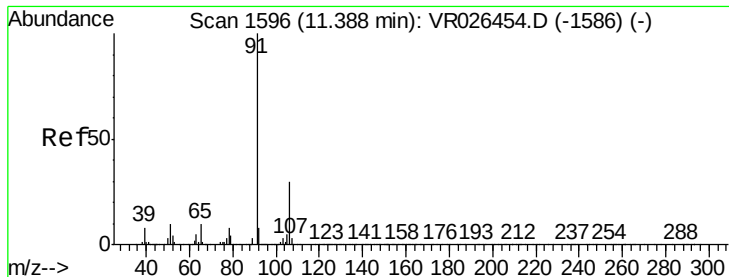
#51
Chlorobenzene
Concen: 5.312 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Tgt Ion:112 Resp: 639375
Ion Ratio Lower Upper
112 100
114 33.8 23.1 42.9
77 66.8 53.8 80.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 5.776 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampled :

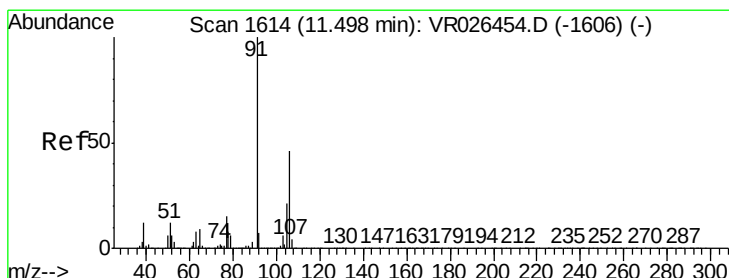
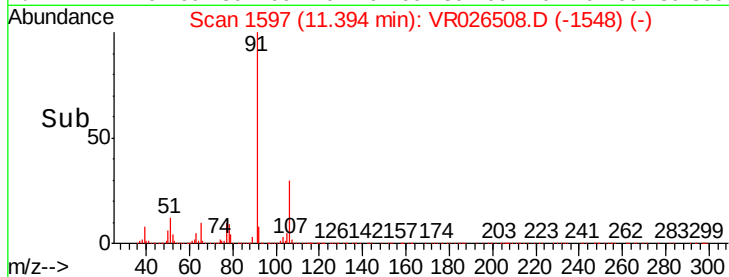
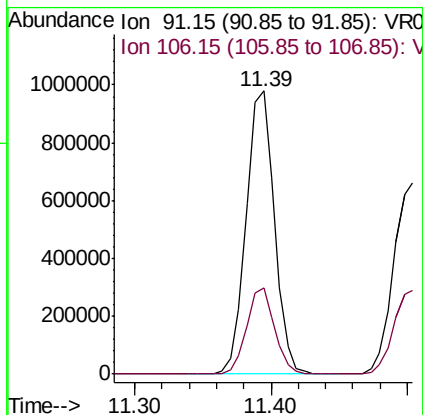
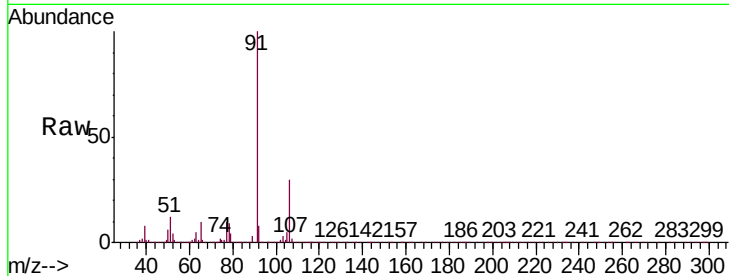
VSTD00564

Tgt Ion: 91 Resp: 1427246

Ion Ratio Lower Upper

91 100

106 30.4 20.7 38.5



#53

m,p-Xylene

Concen: 5.704 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026508.D

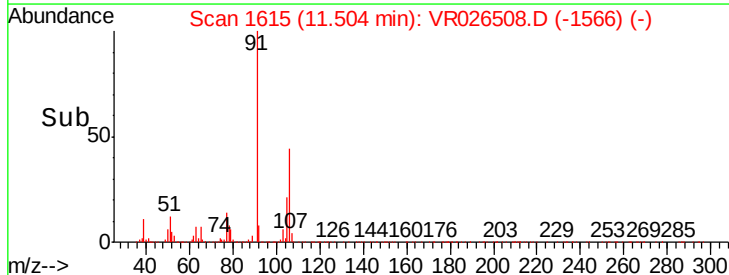
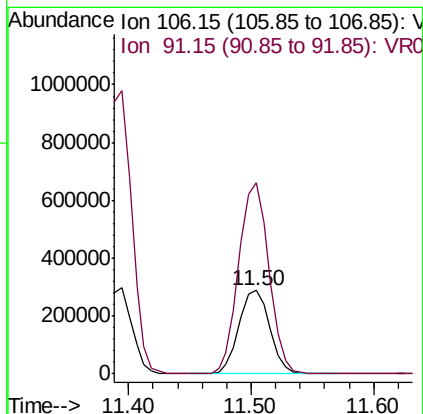
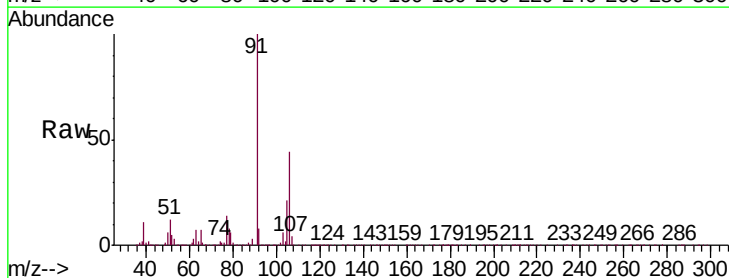
Acq: 8 Apr 2019 11:06

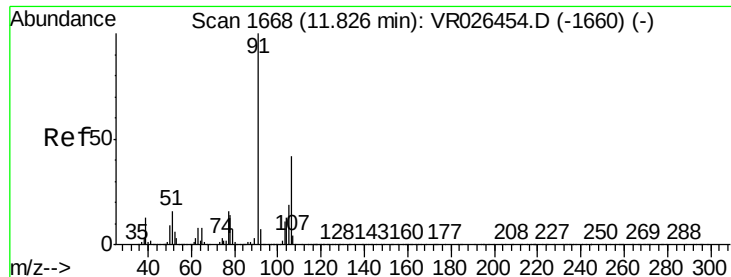
Tgt Ion: 106 Resp: 505113

Ion Ratio Lower Upper

106 100

91 229.9 155.6 289.0

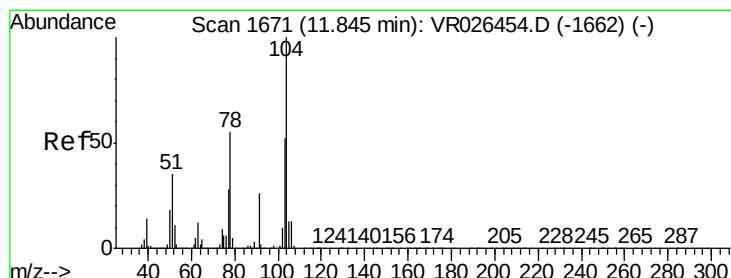
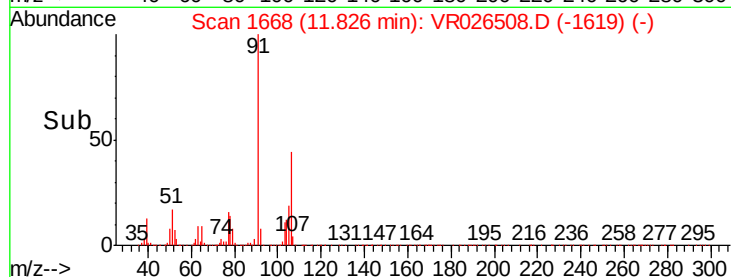
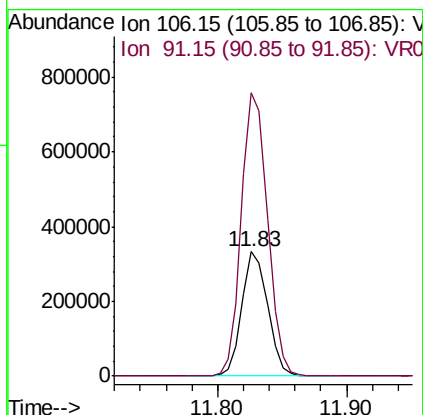
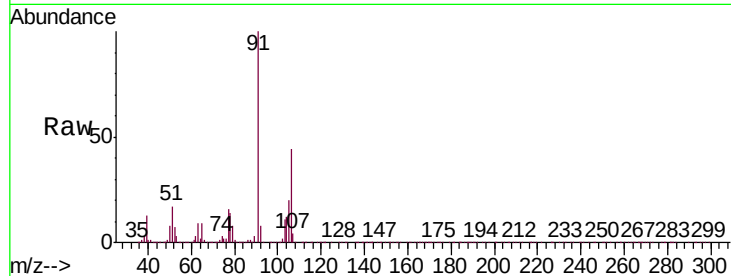




#54
o-Xylene
Concen: 5.939 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

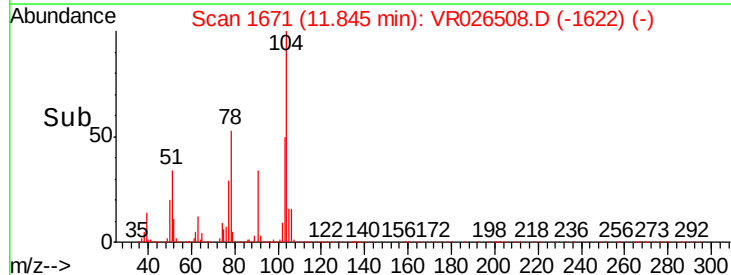
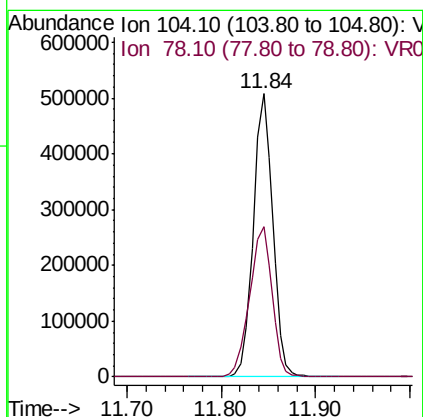
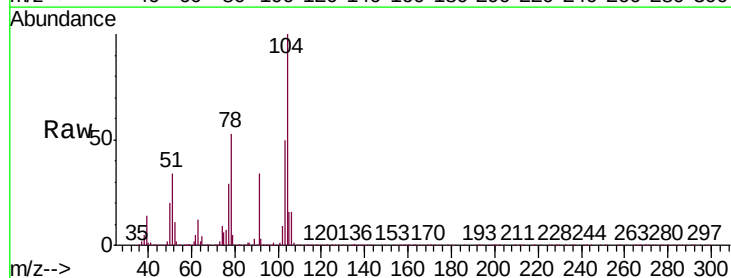
Instrument :
MSVOA_R
ClientSampleId :
VSTD00564

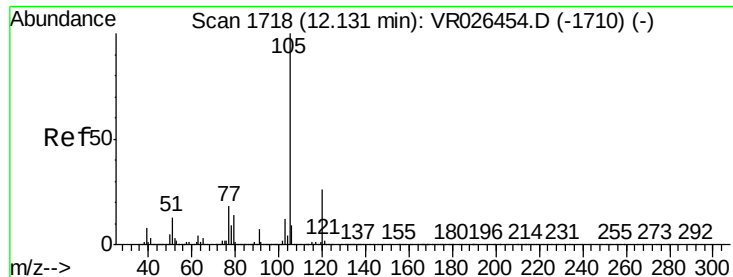
Tgt Ion:106 Resp: 462187
Ion Ratio Lower Upper
106 100
91 227.9 166.2 308.6



#55
Styrene
Concen: 5.929 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026508.D
Acq: 8 Apr 2019 11:06

Tgt Ion:104 Resp: 728376
Ion Ratio Lower Upper
104 100
78 52.9 35.2 65.4





#56

Isopropylbenzene

Concen: 6.127 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00564

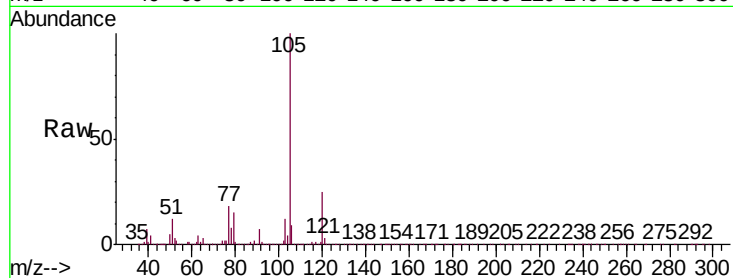
Tgt Ion:105 Resp: 1353186

Ion Ratio Lower Upper

105 100

120 25.3 20.2 30.2

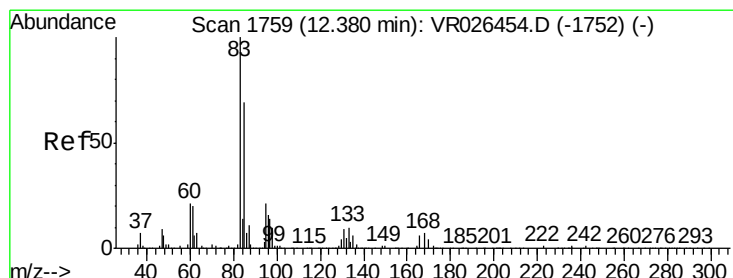
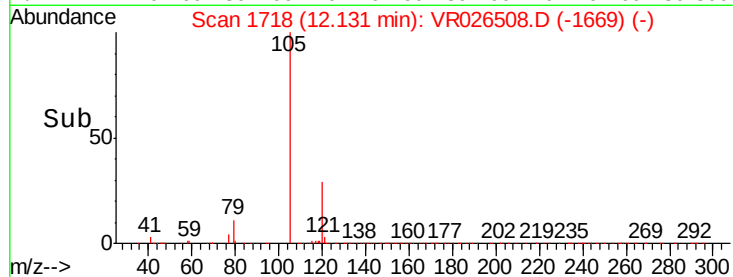
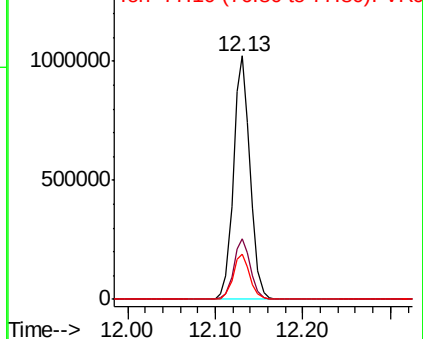
77 18.6 14.7 22.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 5.435 ug/L

RT: 12.39 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

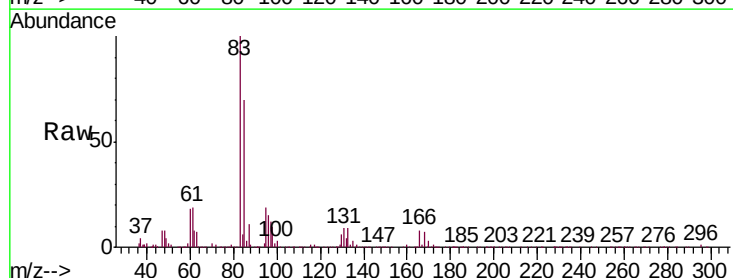
Tgt Ion: 83 Resp: 97928

Ion Ratio Lower Upper

83 100

85 70.0 45.1 83.7

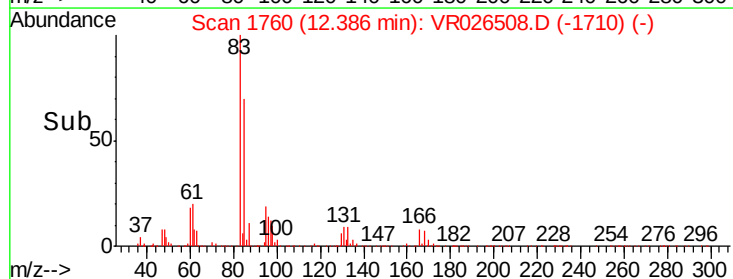
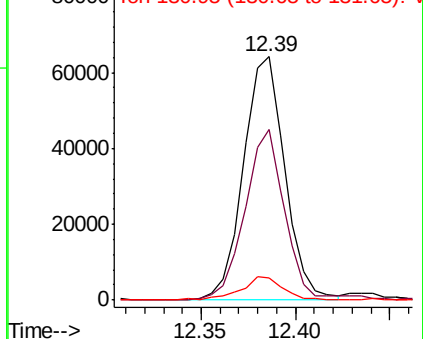
131 9.3 6.9 10.3

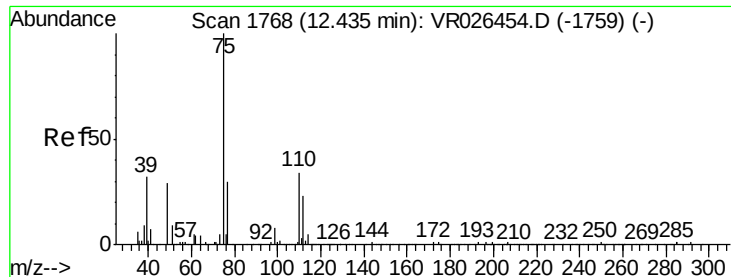


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.628 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

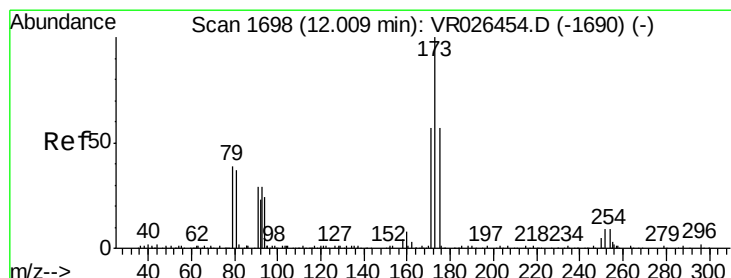
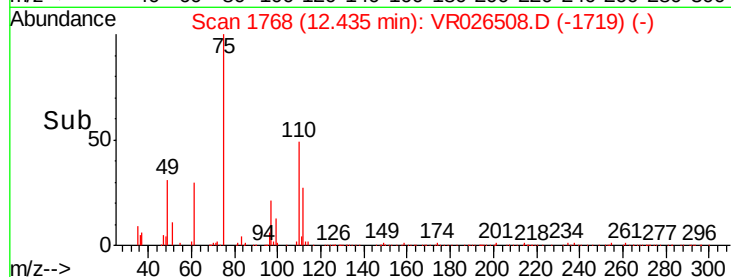
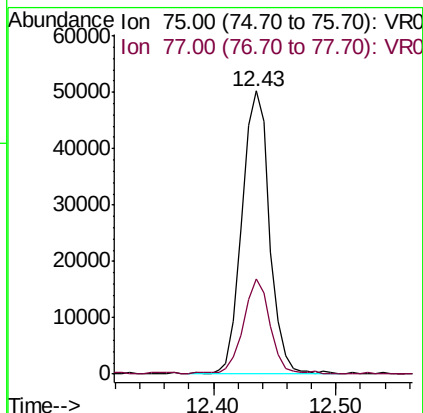
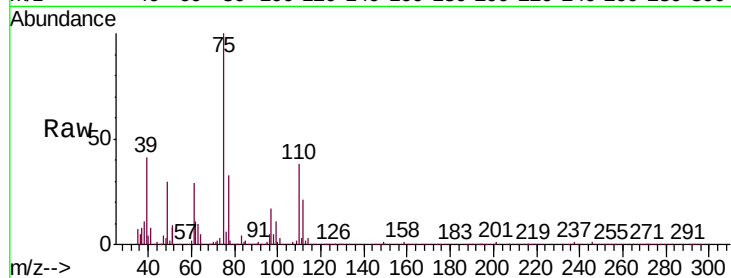
VSTD00564

Tgt Ion: 75 Resp: 77782

Ion Ratio Lower Upper

75 100

77 33.6 25.0 37.4



#61

Bromoform

Concen: 4.708 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

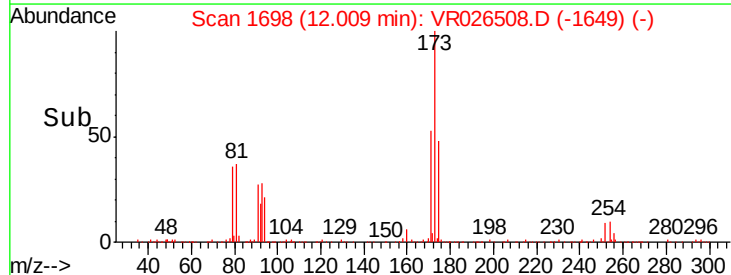
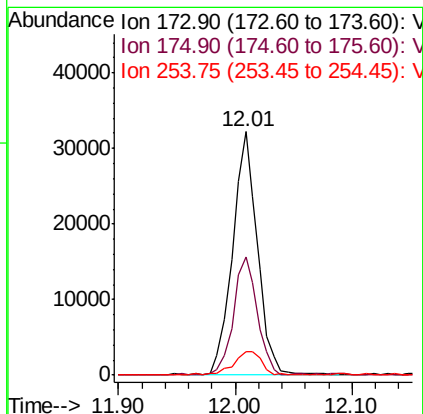
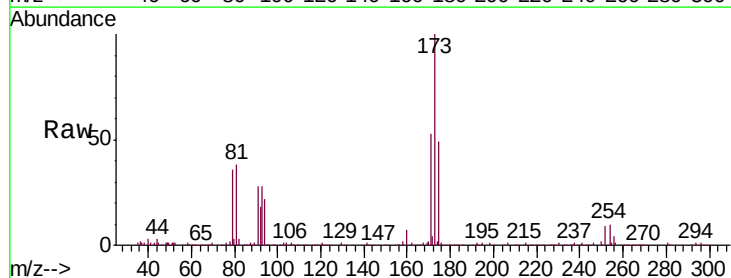
Tgt Ion: 173 Resp: 47528

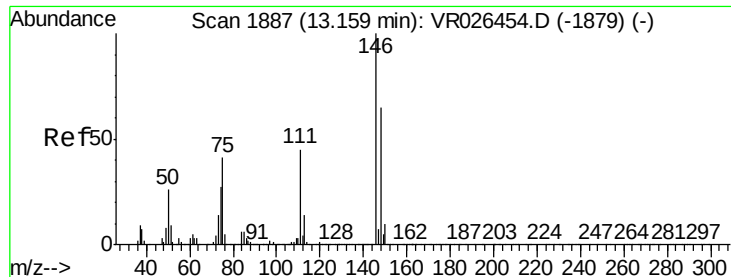
Ion Ratio Lower Upper

173 100

175 46.9 36.6 54.8

254 11.3 8.0 12.0





#62

1,3-Dichlorobenzene

Concen: 5.168 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampled :

VSTD00564

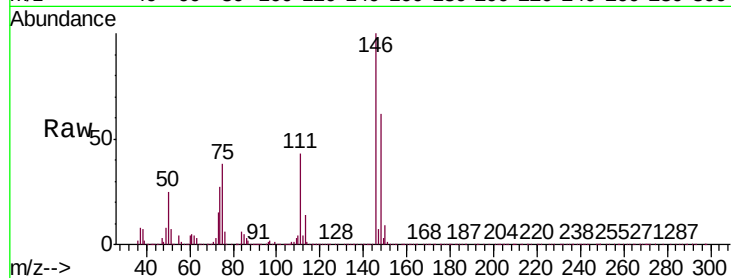
Tgt Ion:146 Resp: 374786

Ion Ratio Lower Upper

146 100

111 42.8 30.4 56.5

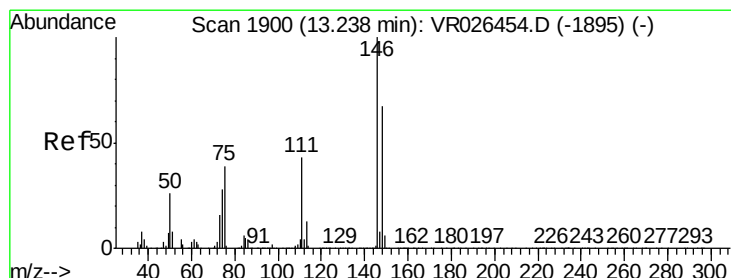
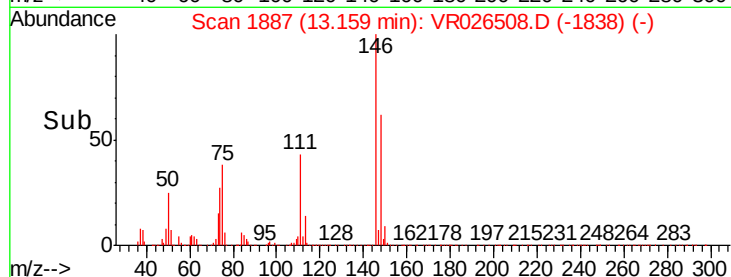
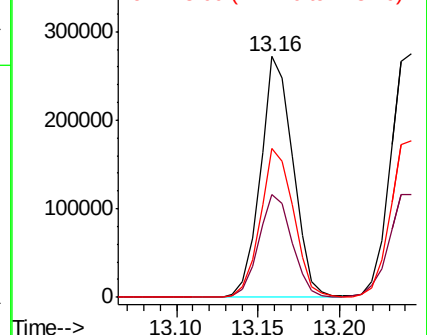
148 62.1 45.4 84.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.977 ug/L

RT: 13.24 min Scan# 1901

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

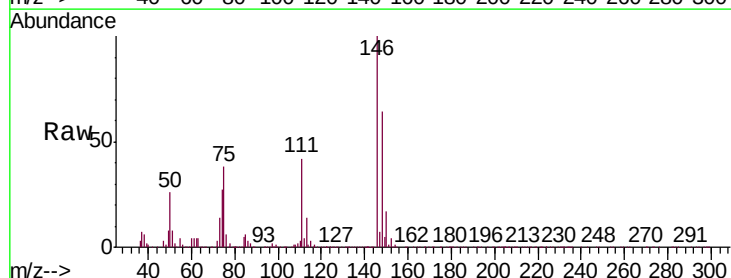
Tgt Ion:146 Resp: 405149

Ion Ratio Lower Upper

146 100

111 42.4 30.5 56.7

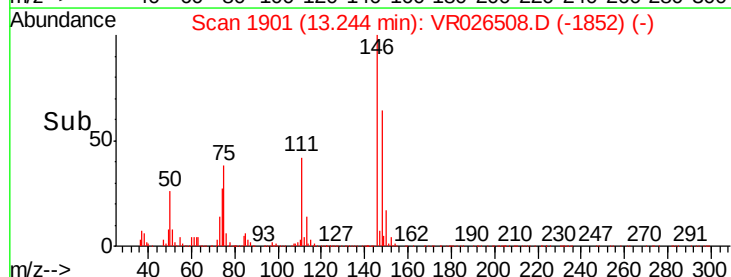
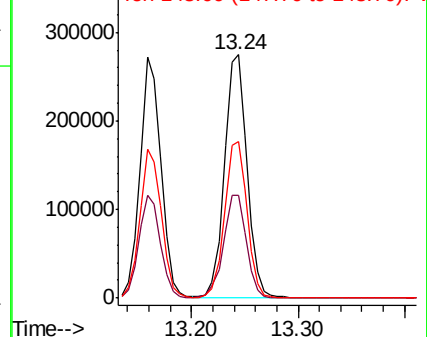
148 64.4 45.0 83.6

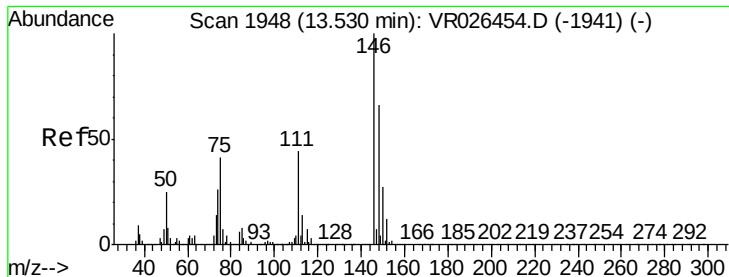


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

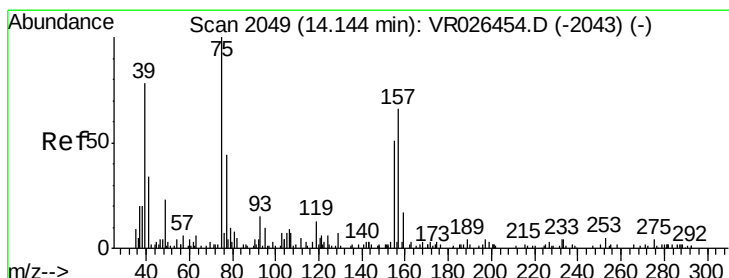
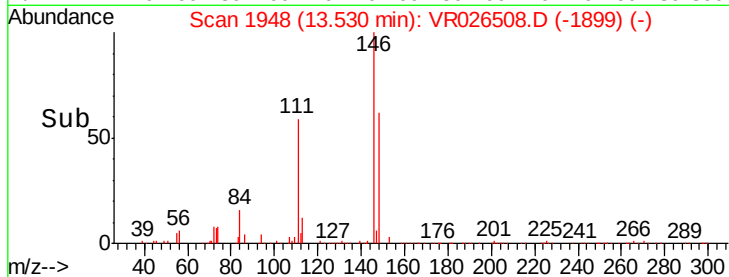
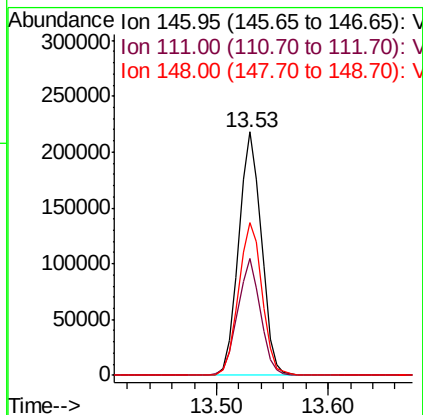
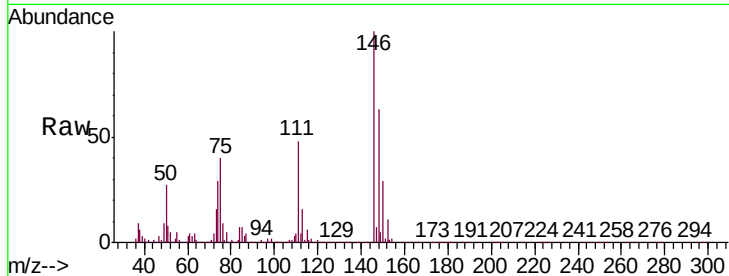




#65
 1,2-Dichlorobenzene
 Concen: 5.116 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

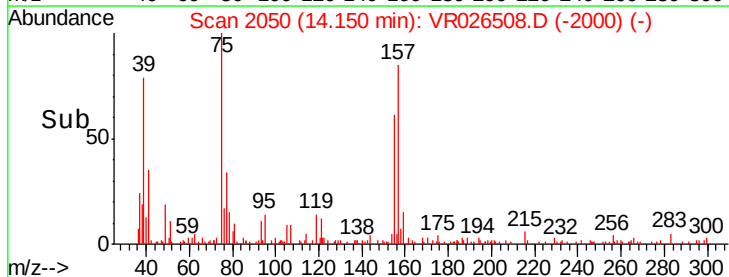
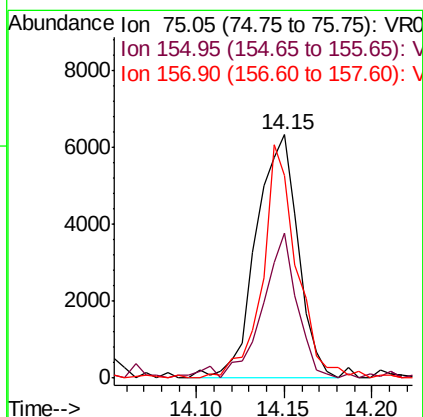
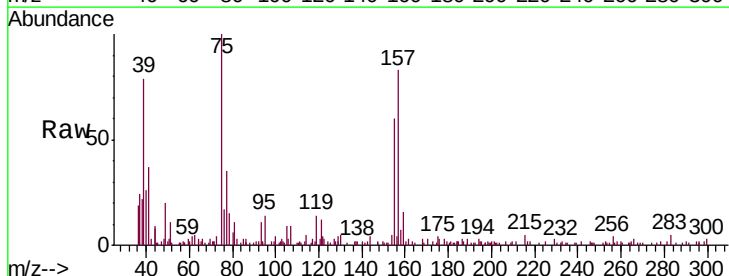
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00564

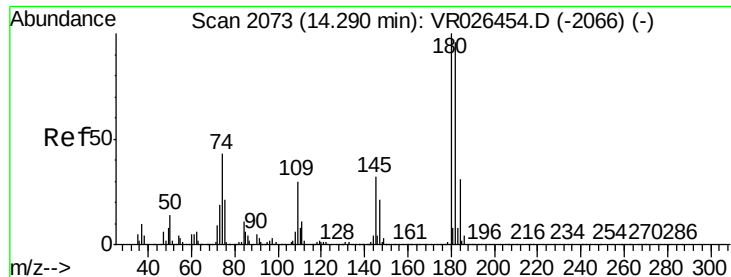
Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	35.8	53.6
148	62.5	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.572 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	59.7	36.1	54.1#
157	83.0	62.4	93.6

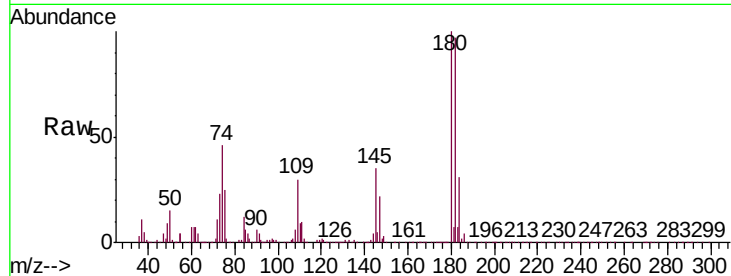




#67
 1,3,5-Trichlorobenzene
 Concen: 5.050 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00564

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
184	30.1	25.0	37.4
145	33.7	28.0	42.0



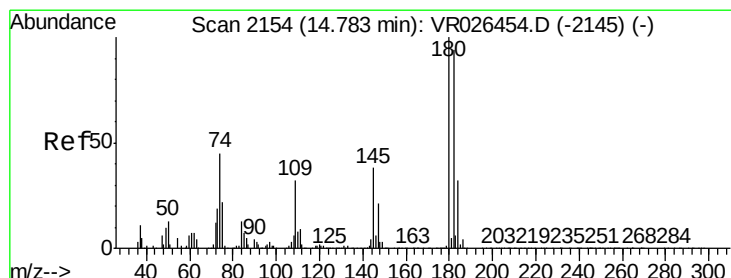
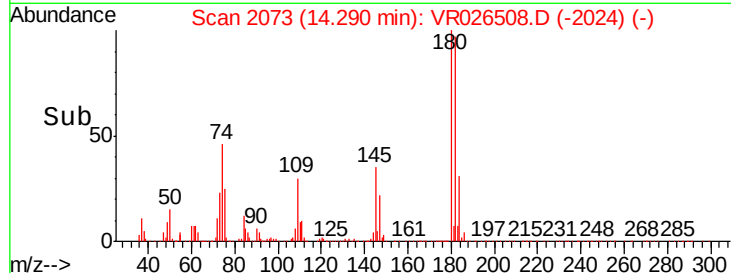
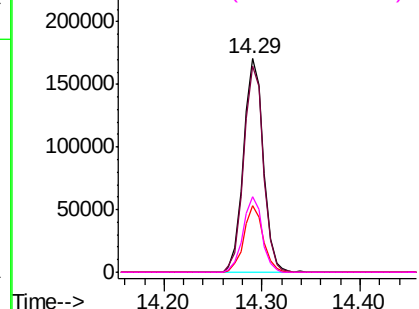
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

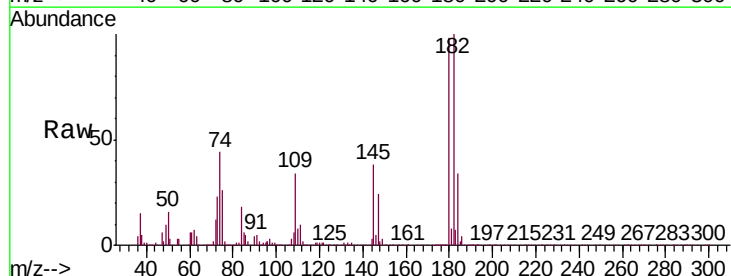
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.916 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.01 min
 Lab File: VR026508.D
 Acq: 8 Apr 2019 11:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.8	73.0	109.6
145	37.3	26.7	40.1

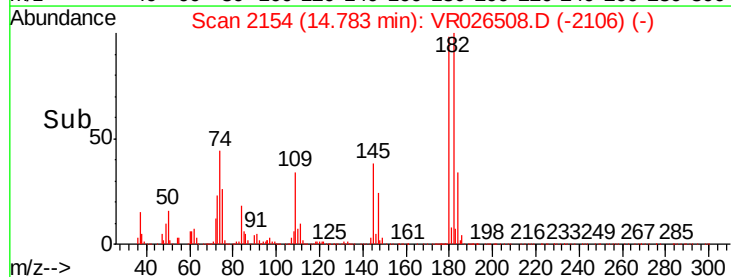
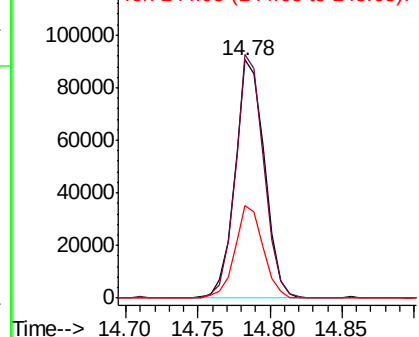


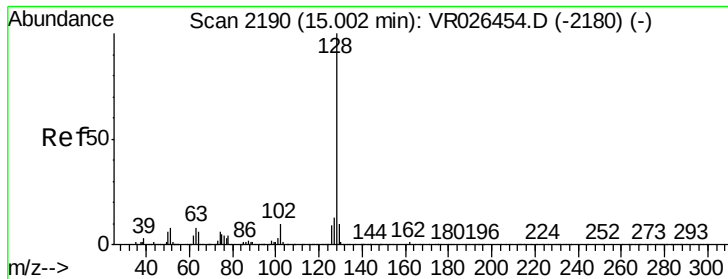
Abundance

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: 5.350 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

Instrument :

MSVOA_R

ClientSampleId :

VSTD00564

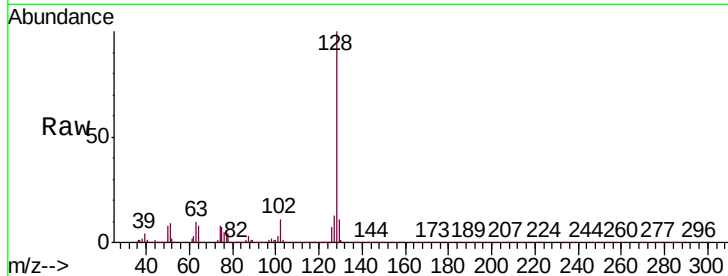
Tgt Ion:128 Resp: 132476

Ion Ratio Lower Upper

128 100

127 13.7 11.4 17.0

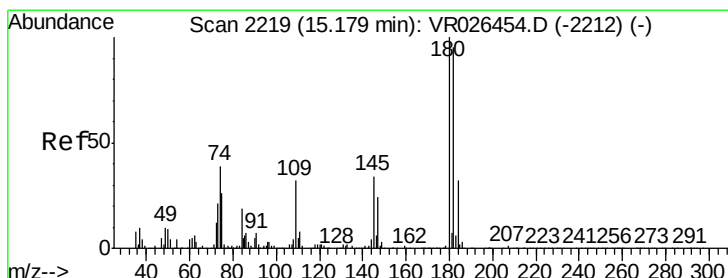
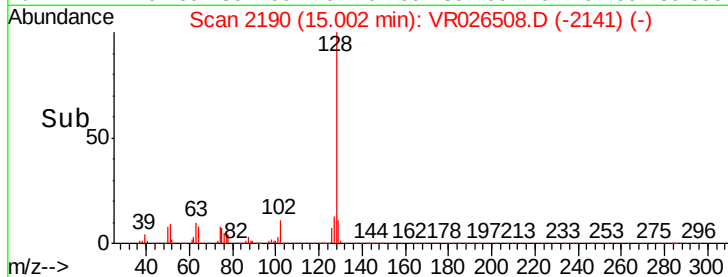
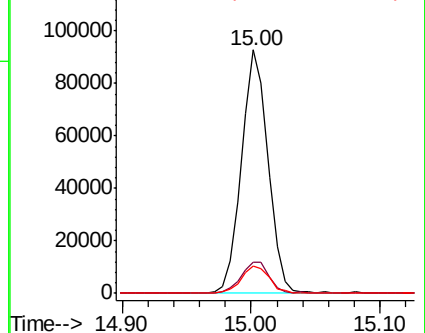
129 11.9 9.0 13.4



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: 5.727 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026508.D

Acq: 8 Apr 2019 11:06

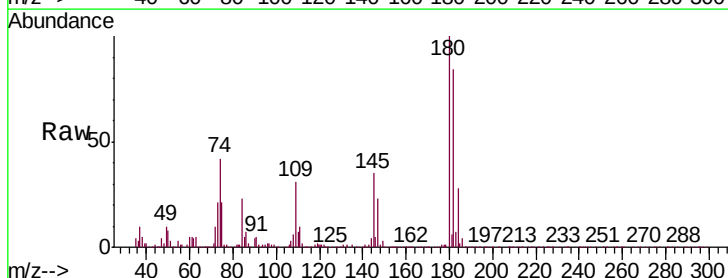
Tgt Ion:180 Resp: 104519

Ion Ratio Lower Upper

180 100

182 94.2 73.1 109.7

145 35.1 28.6 42.8



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

