

Data File : VR026432.D
Acq On : 3 Apr 2019 16:31
Operator : SY/MD
Sample : VSTD00584
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Quant Time: Apr 04 04:43:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 04 04:39:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	593628	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	477845	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	188742	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	223683	3.96	ug/L	0.00
7) Chloroethane-d5	2.62	69	191937	4.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	3.61	63	582920	4.34	ug/L	0.00
20) 2-Butanone-d5	6.59	46	205277	47.91	ug/L	0.00
24) Chloroform-d	7.20	84	440371	4.62	ug/L	0.00
26) 1,2-Dichloroethane-d4	7.89	65	179256	4.62	ug/L	0.00
32) Benzene-d6	7.85	84	825788	4.62	ug/L	0.00
36) 1,2-Dichloropropane-d6	8.90	67	203403	4.47	ug/L	0.00
41) Toluene-d8	9.97	98	777702	4.83	ug/L	0.00
43) trans-1,3-Dichloropropene-	10.23	79	53168	4.43	ug/L	0.00
46) 2-Hexanone-d5	10.59	63	163729	53.58	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77616	4.46	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	13.52	152	144963	4.45	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	296477	5.675 ug/L	100
3) Chloromethane	2.01	50	306162	4.850 ug/L	100
5) Vinyl chloride	2.16	62	296510	4.827 ug/L	100
6) Bromomethane	2.52	94	175456	4.958 ug/L	100
8) Chloroethane	2.65	64	166302	4.555 ug/L	100
9) Trichlorofluoromethane	2.94	101	439699	5.410 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	232528	4.974 ug/L	100
12) 1,1-Dichloroethene	3.63	96	251378	4.867 ug/L	100
13) Acetone	3.69	43	183564	47.542 ug/L	100
14) Carbon disulfide	3.93	76	756719	4.653 ug/L	100
15) Methyl Acetate	4.20	43	48619	4.534 ug/L	100
16) Methylene chloride	4.40	84	204211	4.500 ug/L	100
17) Methyl tert-butyl Ether	4.89	73	282741	5.576 ug/L	100
18) trans-1,2-Dichloroethene	4.89	96	240725	5.054 ug/L	100
19) 1,1-Dichloroethane	5.69	63	443237	5.049 ug/L	100
21) 2-Butanone	6.69	43	257576	53.100 ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	209839	5.274 ug/L	100
23) Bromochloromethane	7.05	128	59996	4.836 ug/L	100
25) Chloroform	7.23	83	425797	5.066 ug/L	100
27) 1,2-Dichloroethane	7.99	62	208975	5.200 ug/L	100
29) 1,1,1-Trichloroethane	7.43	97	401857	5.616 ug/L	100
30) Cyclohexane	7.52	56	423392	6.242 ug/L	100
31) Carbon tetrachloride	7.63	117	376848	5.659 ug/L	100
33) Benzene	7.90	78	969251	5.234 ug/L	100
34) Trichloroethene	8.71	95	248650	5.304 ug/L	100
35) Methylcyclohexane	8.96	83	396433	5.919 ug/L	100
37) 1,2-Dichloropropane	8.99	63	203476	5.179 ug/L	100
38) Bromodichloromethane	9.28	83	229898	5.088 ug/L	100
39) cis-1,3-Dichloropropene	9.72	75	245636	5.660 ug/L	100
40) 4-Methyl-2-pentanone	9.86	43	640328	58.789 ug/L	100

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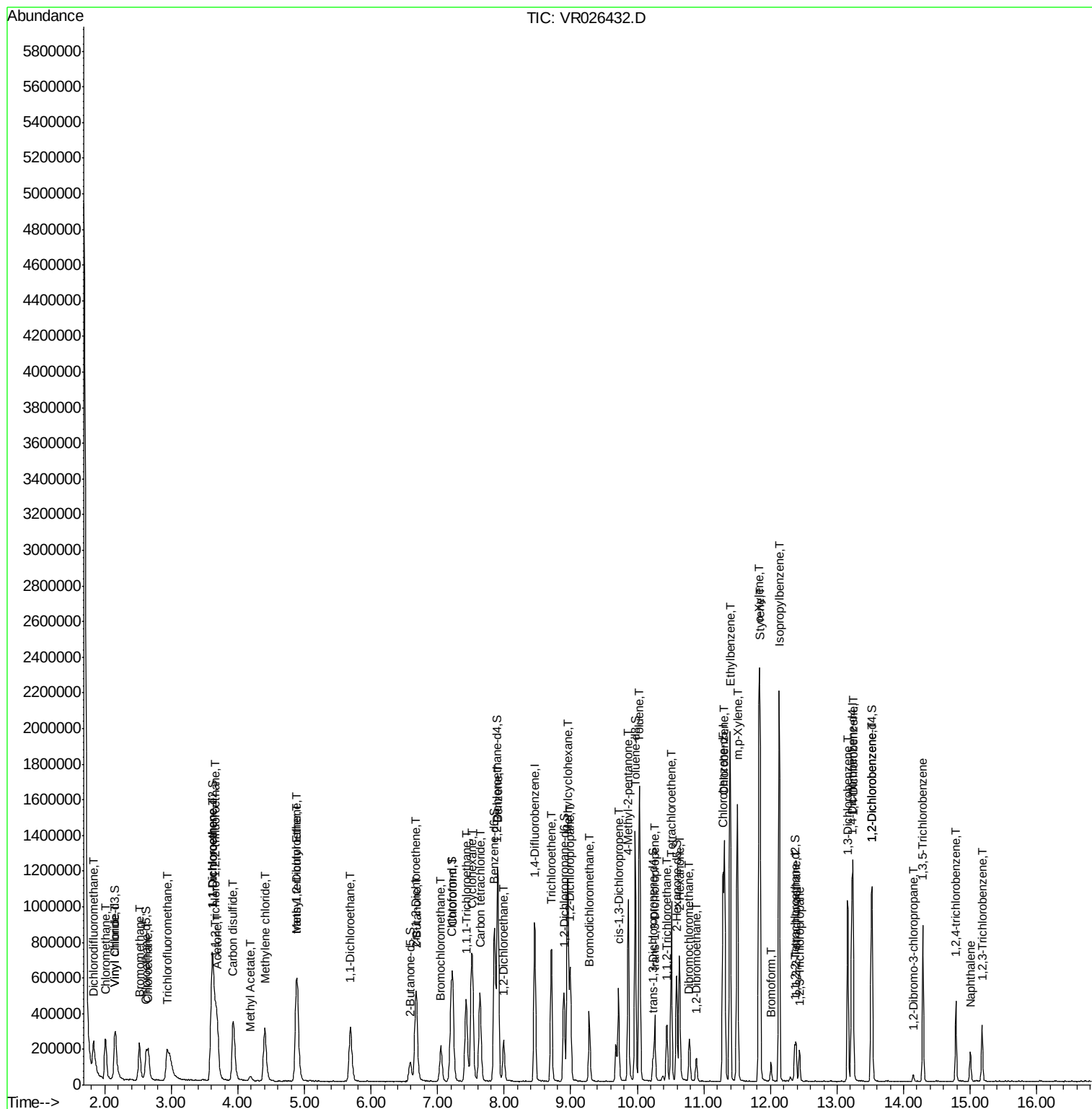
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	10.03	91	1020695	5.472	ug/L	100
44) trans-1,3-Dichloropropene	10.26	75	168412	5.375	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	80210	4.948	ug/L	100
47) Tetrachloroethene	10.51	164	173844	5.145	ug/L	100
48) 2-Hexanone	10.63	43	429033	57.075	ug/L	100
49) Dibromochloromethane	10.78	129	104102	5.150	ug/L	100
50) 1,2-Dibromoethane	10.89	107	70629	5.471	ug/L	100
51) Chlorobenzene	11.32	112	522842	5.141	ug/L	100
52) Ethylbenzene	11.39	91	1185925	5.649	ug/L	100
53) m,p-Xylene	11.50	106	415138	5.585	ug/L	100
54) o-Xylene	11.83	106	379161	5.796	ug/L	100
55) Styrene	11.84	104	594321	5.737	ug/L	100
56) Isopropylbenzene	12.13	105	1112995	5.981	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	77474	5.228	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	61398	5.559	ug/L	100
61) Bromoform	12.01	173	38889	4.459	ug/L	100
62) 1,3-Dichlorobenzene	13.16	146	311625	5.333	ug/L	100
63) 1,4-Dichlorobenzene	13.24	146	326433	5.087	ug/L	100
65) 1,2-Dichlorobenzene	13.53	146	251467	5.240	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	8411	4.717	ug/L	100
67) 1,3,5-Trichlorobenzene	14.29	180	193178	5.336	ug/L	100
68) 1,2,4-trichlorobenzene	14.79	180	109167	5.256	ug/L	100
69) Naphthalene	15.00	128	103381	5.359	ug/L	100
70) 1,2,3-Trichlorobenzene	15.18	180	77966	5.347	ug/L	100

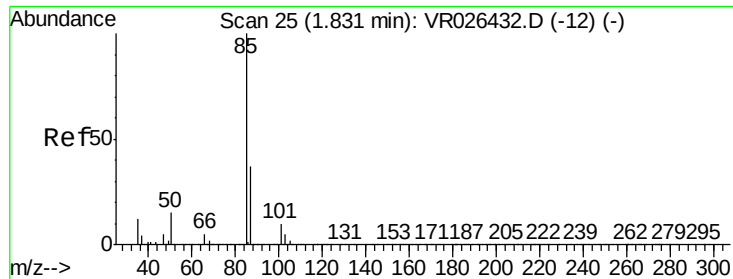
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.675 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.00 min

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Instrument :

MSVOA_R

ClientSampleId :

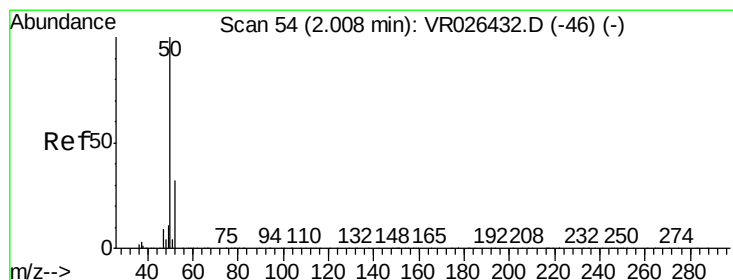
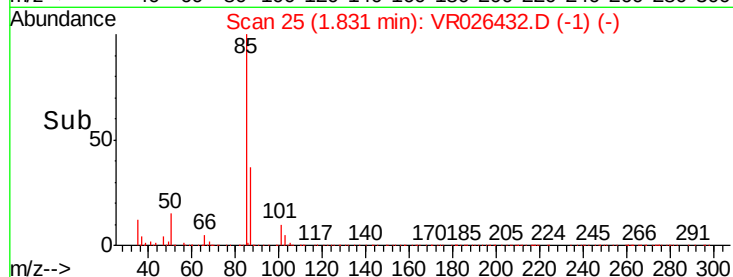
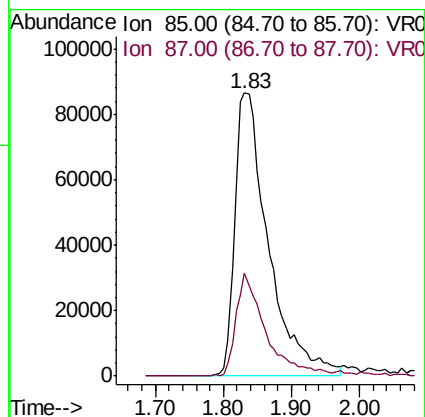
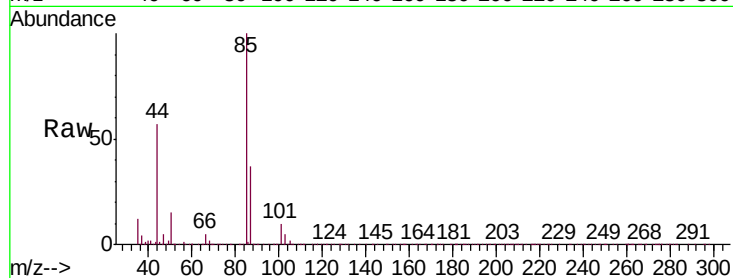
VSTD00584

Tgt Ion: 85 Resp: 296477

Ion Ratio Lower Upper

85 100

87 31.9 25.5 38.3



#3

Chloromethane

Concen: 4.850 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.00 min

Lab File: VR026432.D

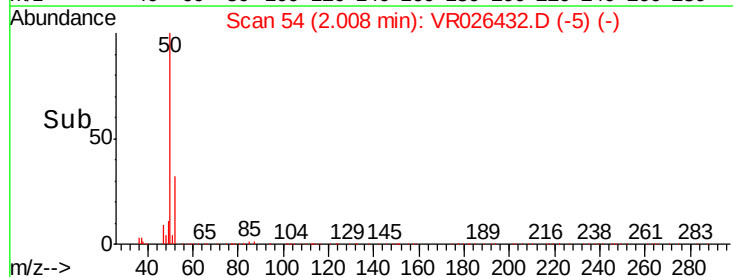
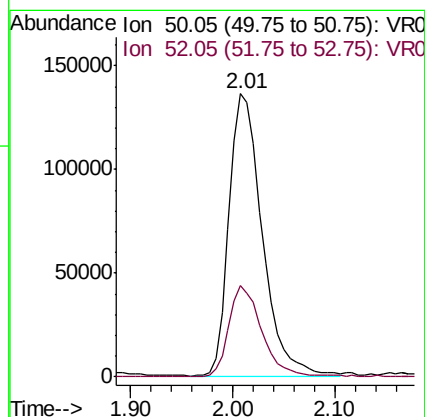
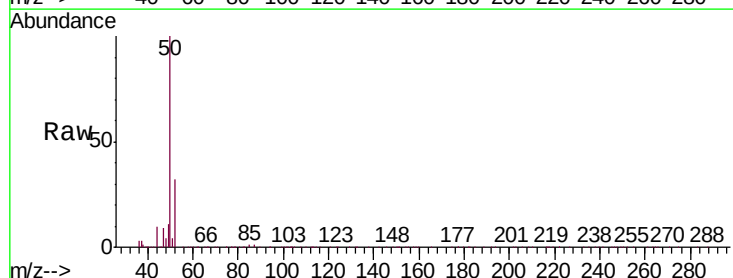
Acq: 3 Apr 2019 16:31

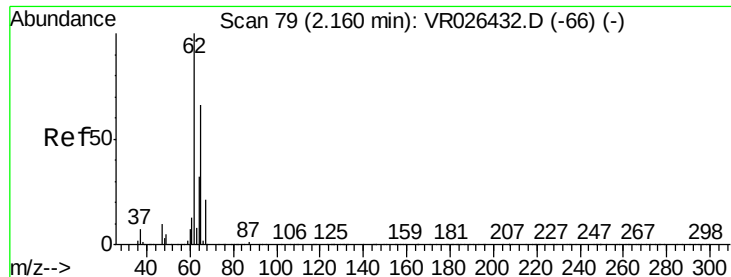
Tgt Ion: 50 Resp: 306162

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9





#5

Vinyl chloride

Concen: 4.827 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

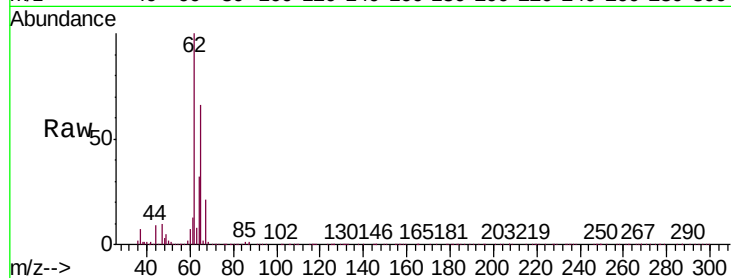
VSTD00584

Tgt Ion: 62 Resp: 296510

Ion Ratio Lower Upper

62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.16

100000

80000

60000

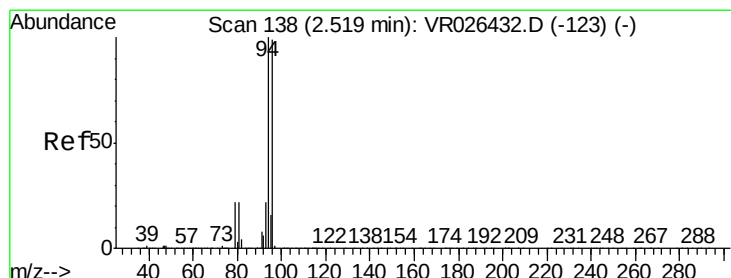
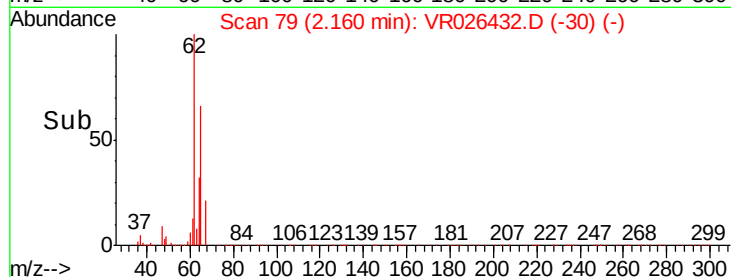
40000

20000

0

Time-->

2.00 2.10 2.20 2.30



#6

Bromomethane

Concen: 4.958 ug/L

RT: 2.52 min Scan# 138

Delta R.T. 0.00 min

Lab File: VR026432.D

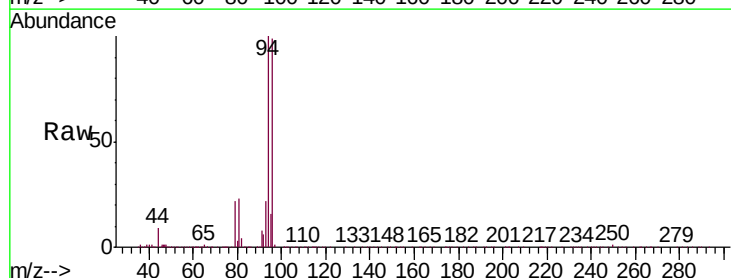
Acq: 3 Apr 2019 16:31

Tgt Ion: 94 Resp: 175456

Ion Ratio Lower Upper

94 100

96 98.7 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0

80000

60000

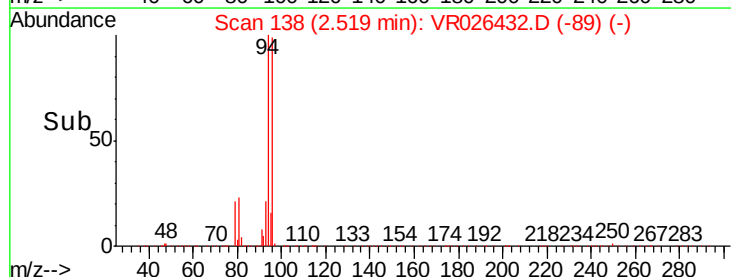
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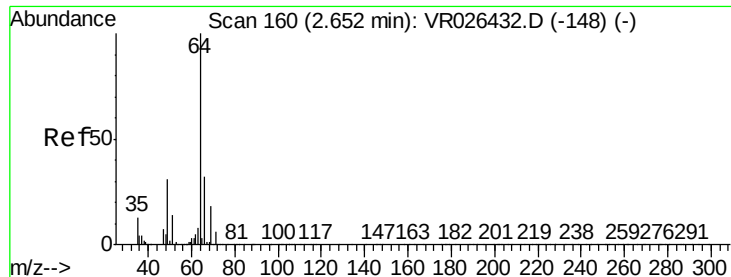
20000

0

Time-->

2.40 2.50 2.60





#8

Chloroethane

Concen: 4.555 ug/L

RT: 2.65 min Scan# 160

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

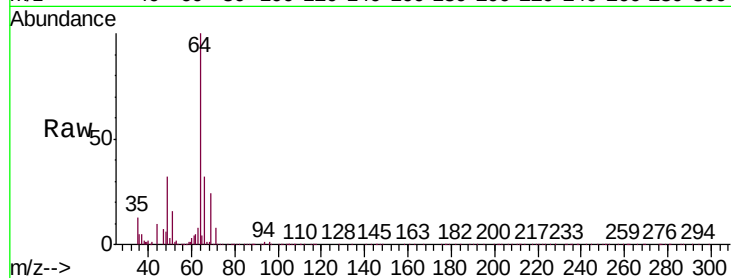
VSTD00584

Tgt Ion: 64 Resp: 166302

Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.65

60000

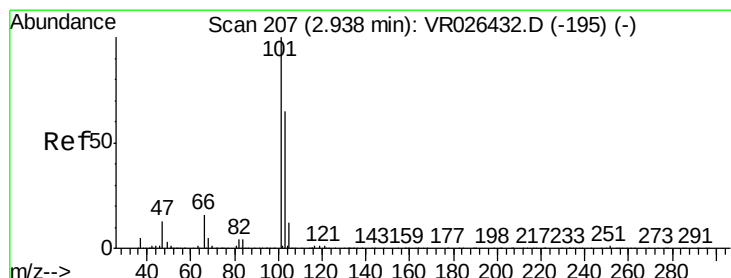
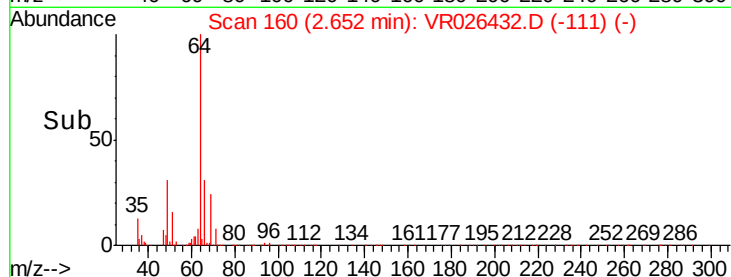
40000

20000

0

Time-->

2.60 2.70



#9

Trichlorofluoromethane

Concen: 5.410 ug/L

RT: 2.94 min Scan# 207

Delta R.T. 0.00 min

Lab File: VR026432.D

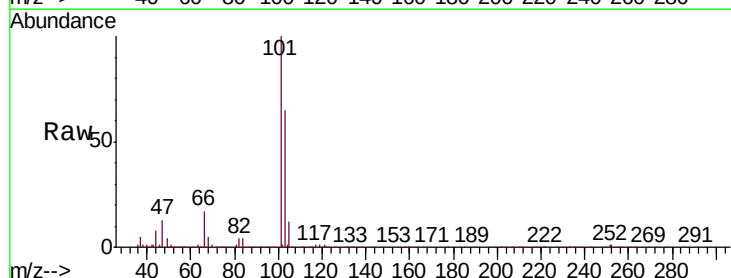
Acq: 3 Apr 2019 16:31

Tgt Ion: 101 Resp: 439699

Ion Ratio Lower Upper

101 100

103 60.2 48.2 72.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.94

80000

60000

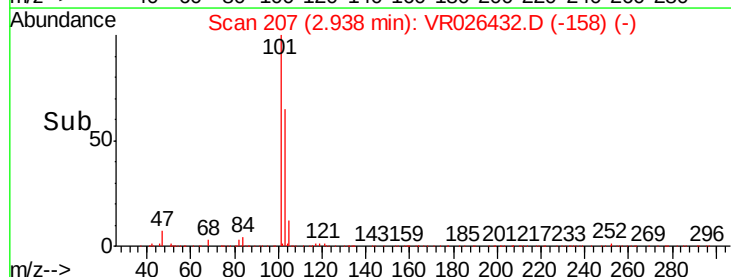
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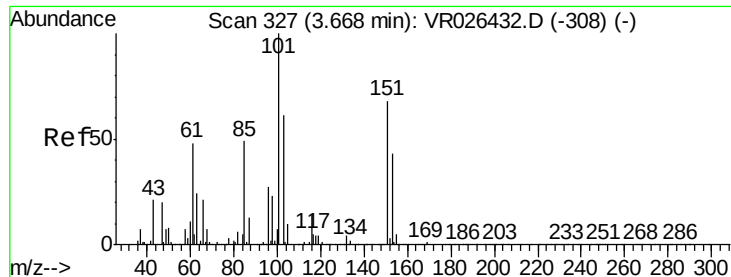
20000

0

Time-->

2.80 3.00 3.20





#10

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

Concen: 4.974 ug/L

RT: 3.67 min Scan# 327

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

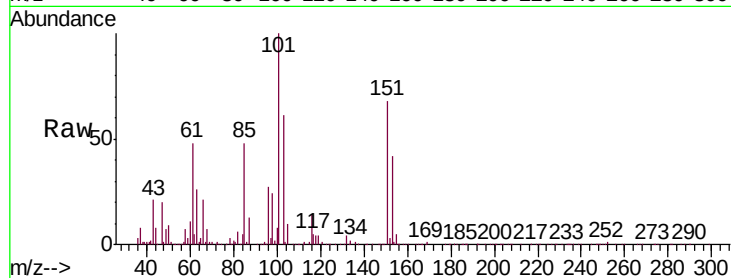
Tgt Ion:101 Resp: 232528

Ion Ratio Lower Upper

101 100

85 49.0 39.2 58.8

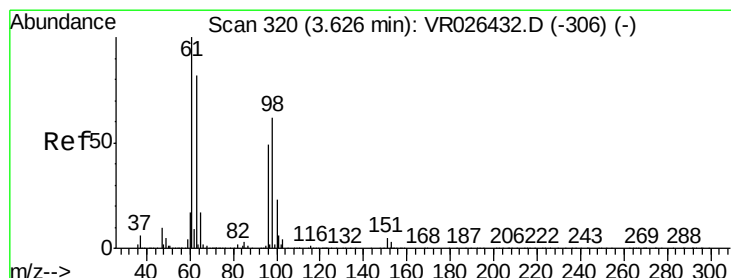
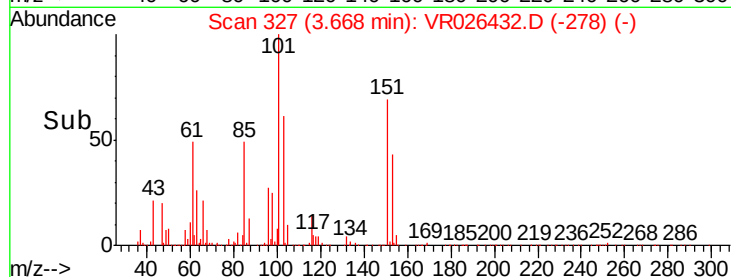
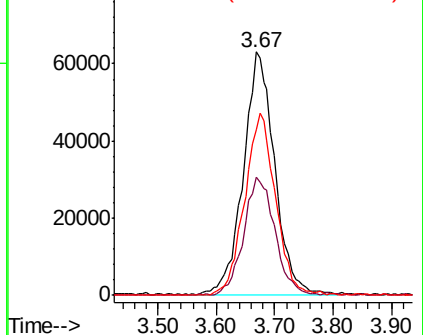
151 74.6 59.7 89.5



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: 4.867 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

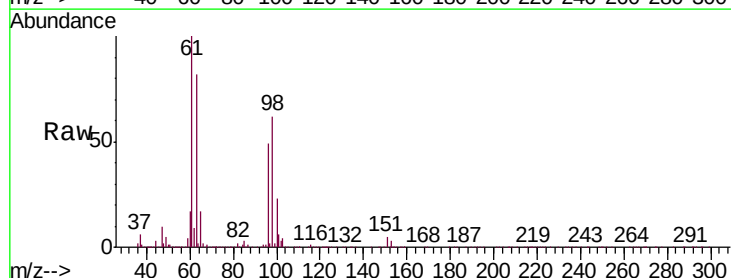
Tgt Ion: 96 Resp: 251378

Ion Ratio Lower Upper

96 100

61 203.8 142.7 264.9

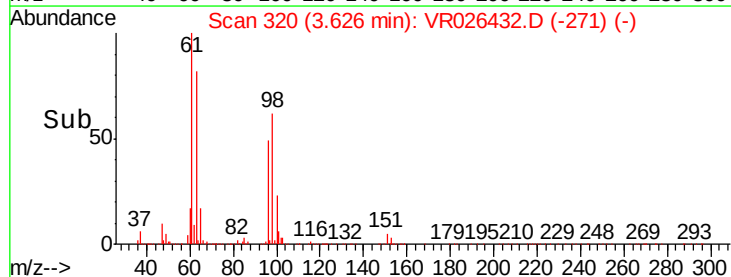
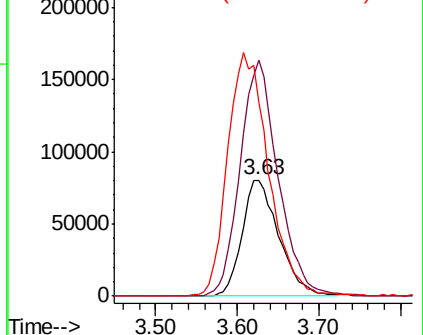
63 167.0 116.9 217.1

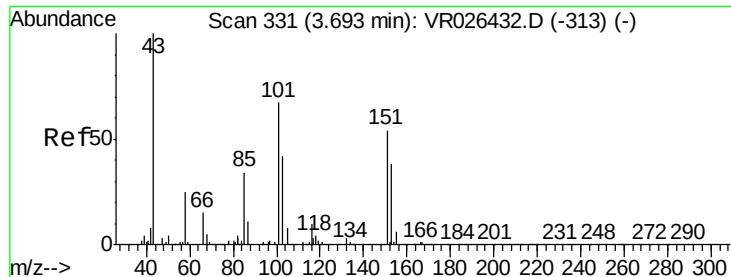


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 47.542 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

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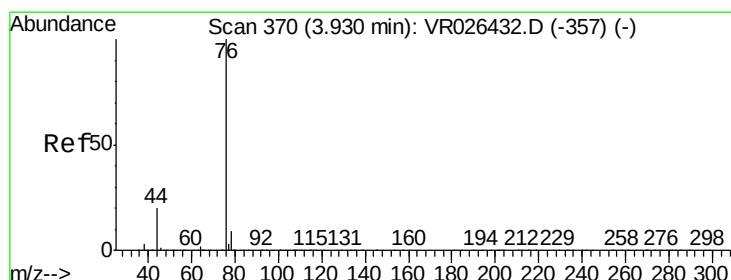
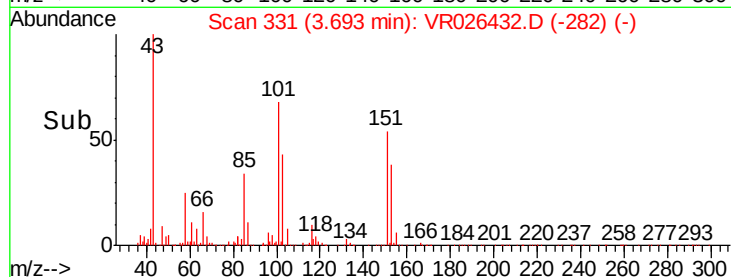
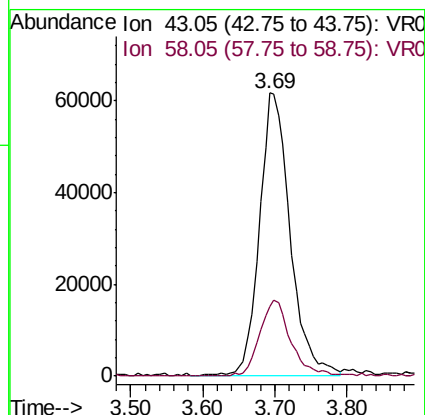
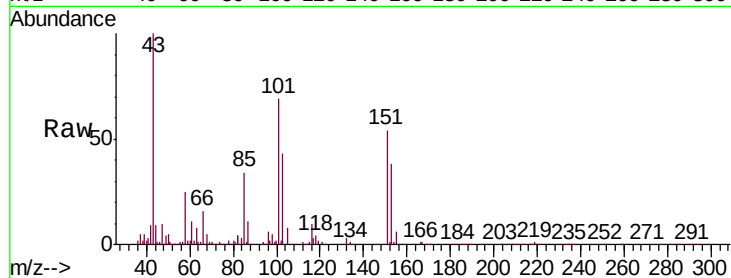
VSTD00584

Tgt Ion: 43 Resp: 183564

Ion Ratio Lower Upper

43 100

58 26.9 0.0 53.8



#14

Carbon disulfide

Concen: 4.653 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.00 min

Lab File: VR026432.D

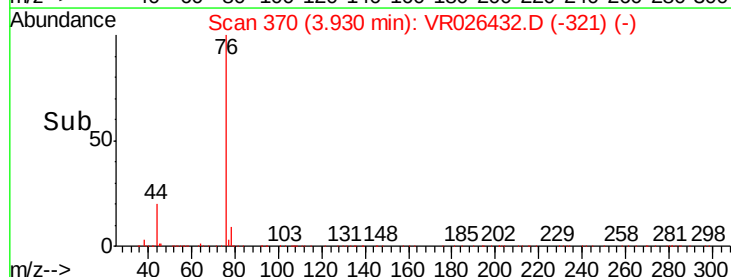
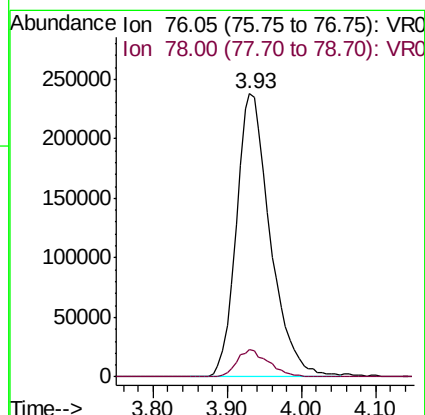
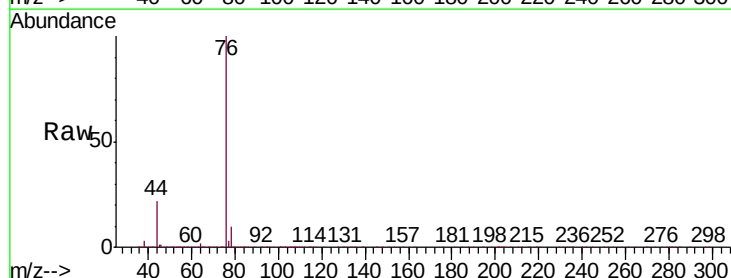
Acq: 3 Apr 2019 16:31

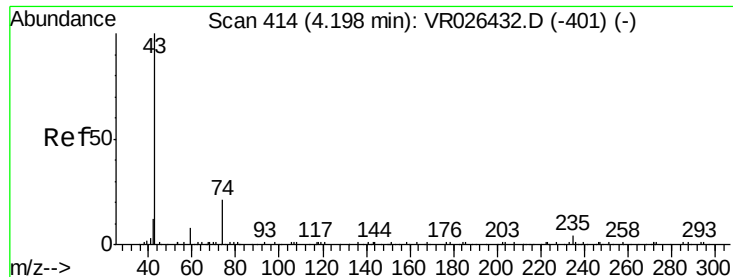
Tgt Ion: 76 Resp: 756719

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





#15

Methyl Acetate

Concen: 4.534 ug/L

RT: 4.20 min Scan# 414

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

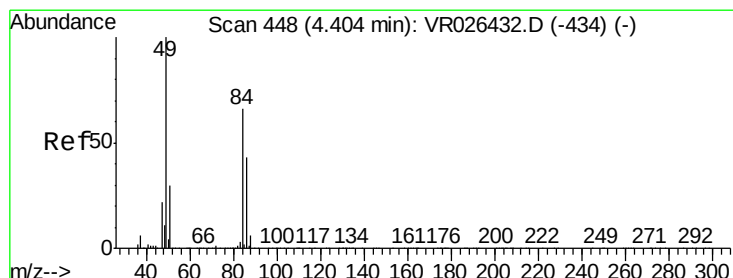
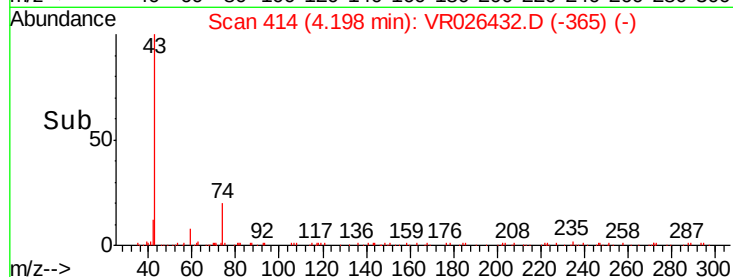
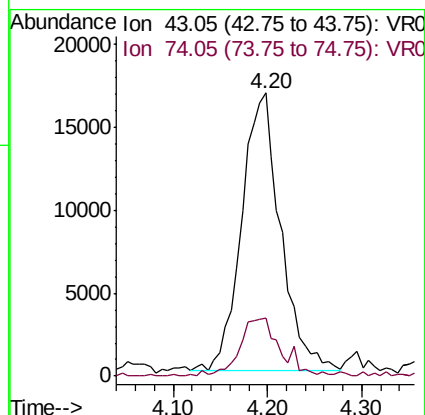
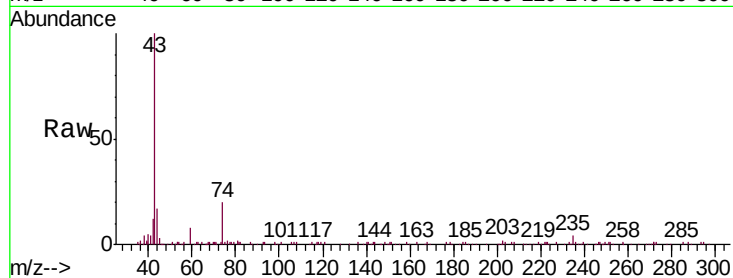
VSTD00584

Tgt Ion: 43 Resp: 48619

Ion Ratio Lower Upper

43 100

74 21.9 17.5 26.3



#16

Methylene chloride

Concen: 4.500 ug/L

RT: 4.40 min Scan# 448

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

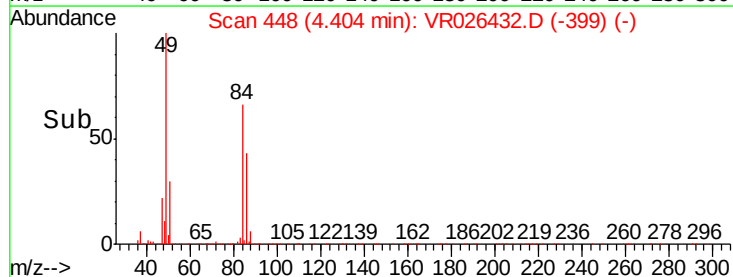
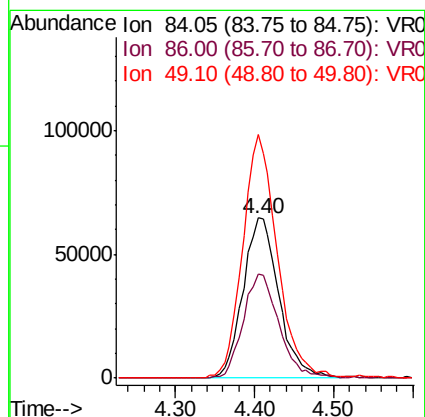
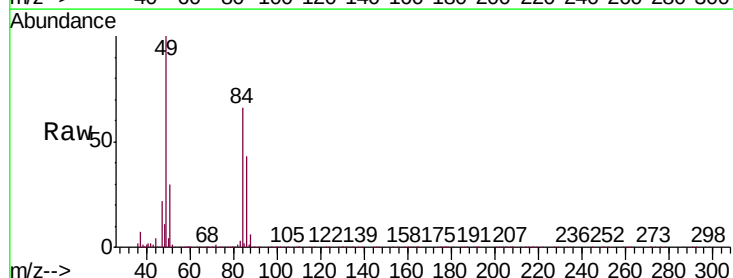
Tgt Ion: 84 Resp: 204211

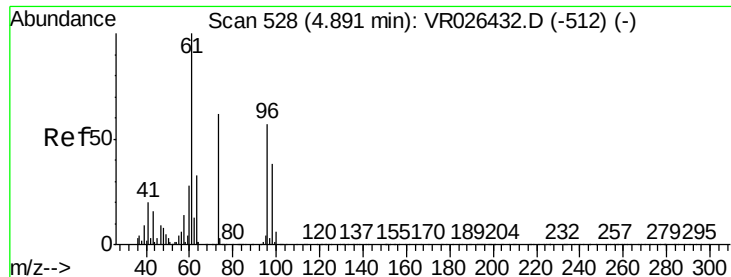
Ion Ratio Lower Upper

84 100

86 65.1 45.6 84.6

49 152.2 106.5 197.9

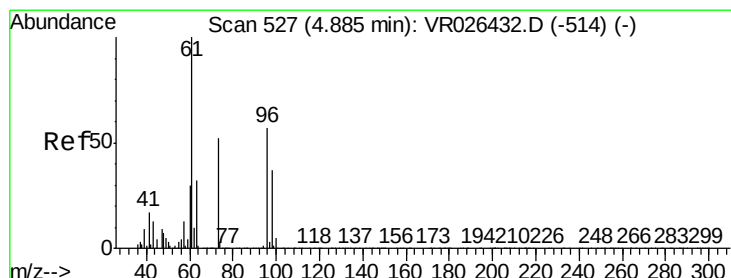
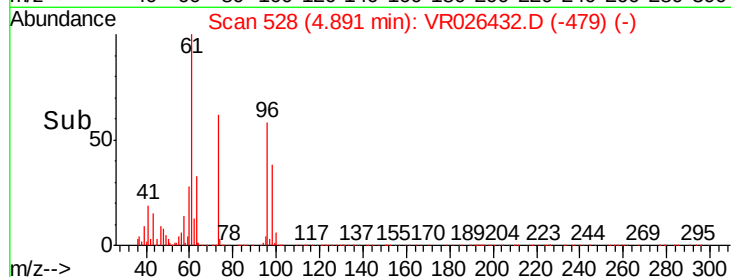
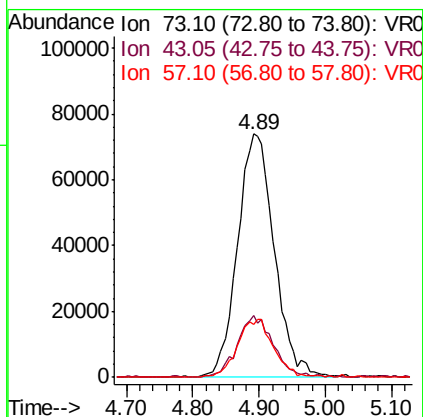
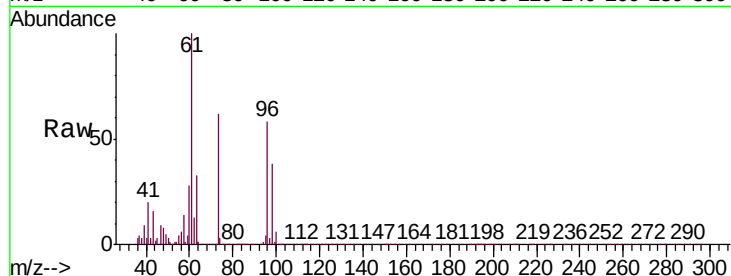




#17
Methyl tert-butyl Ether
Concen: 5.576 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

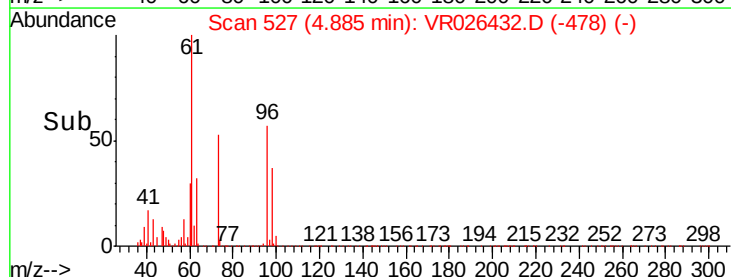
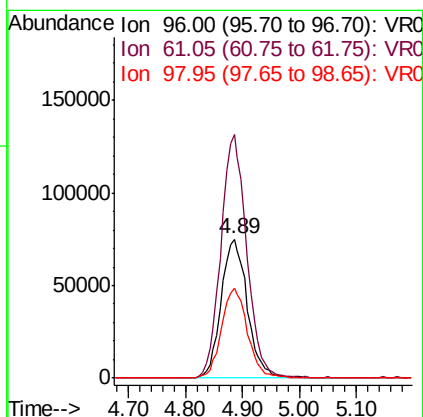
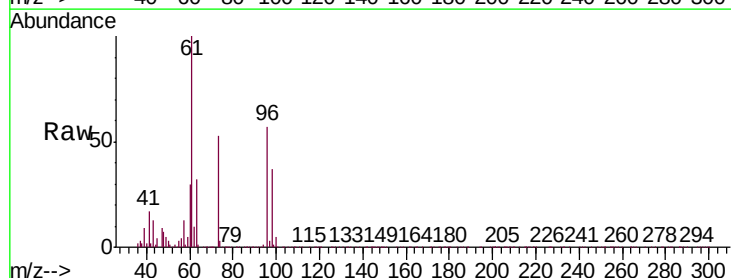
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

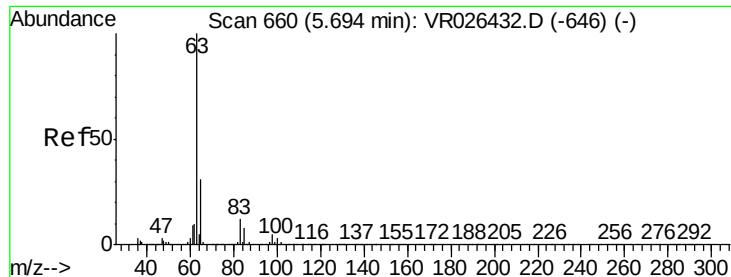
Tgt Ion:	73	Resp:	282741
Ion	Ratio	Lower	Upper
73	100		
43	24.8	19.8	29.8
57	23.6	18.9	28.3



#18
trans-1,2-Dichloroethene
Concen: 5.054 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion:	96	Resp:	240725
Ion	Ratio	Lower	Upper
96	100		
61	175.6	122.9	228.3
98	64.6	45.2	84.0

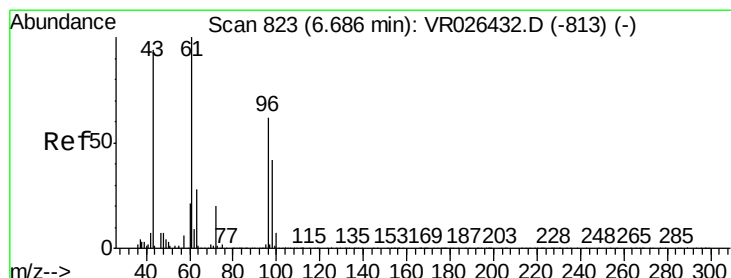
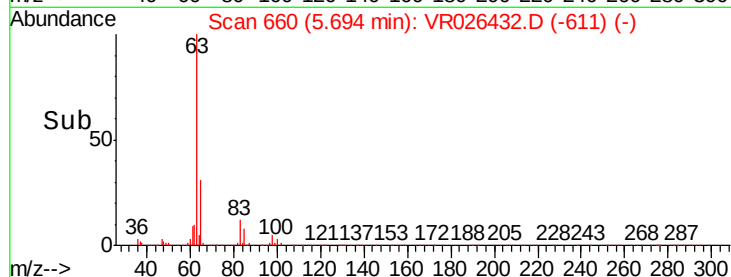
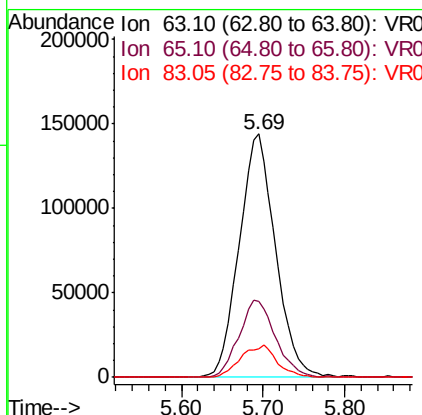
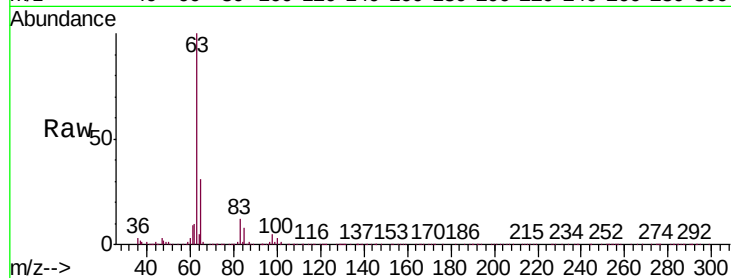




#19
 1,1-Dichloroethane
 Concen: 5.049 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

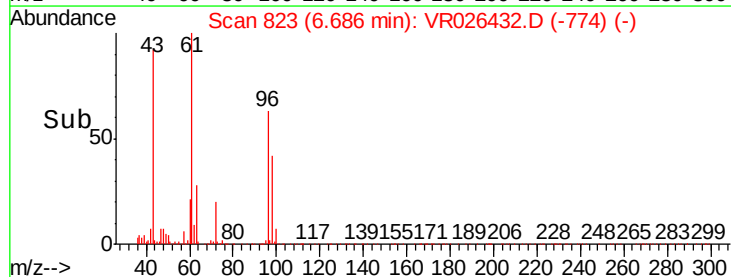
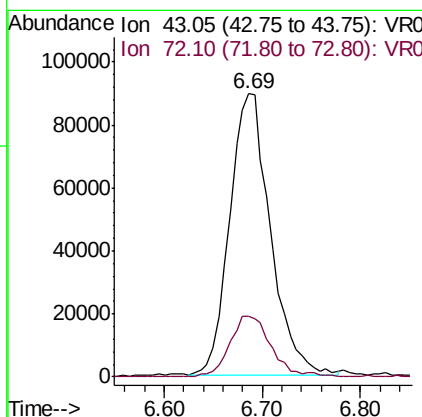
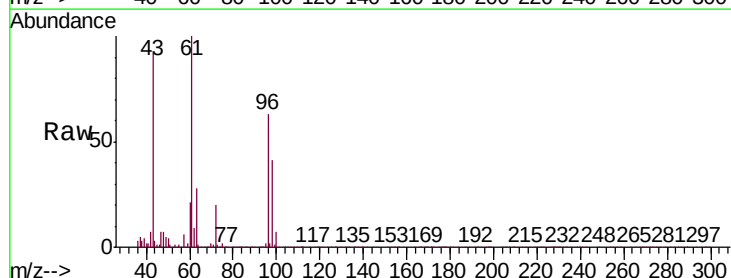
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

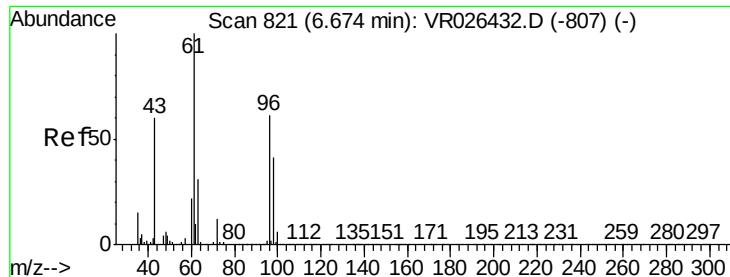
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.0	40.8
83	11.7	8.2	15.2



#21
 2-Butanone
 Concen: 53.100 ug/L
 RT: 6.69 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.2	11.1	33.3



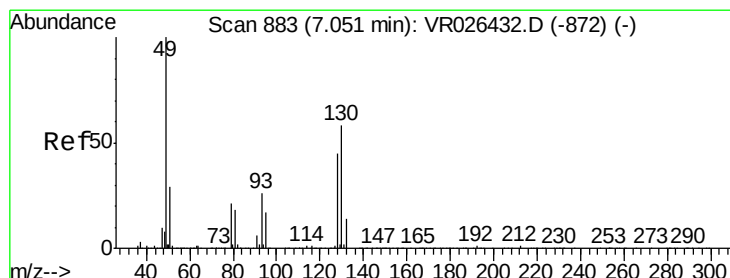
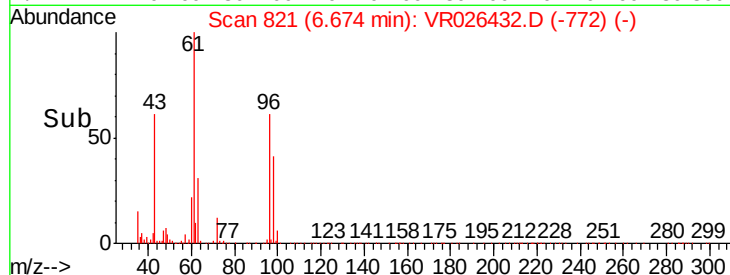
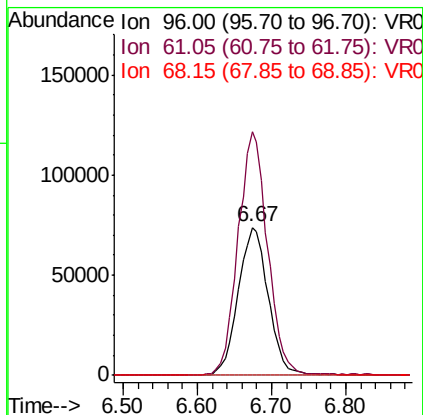
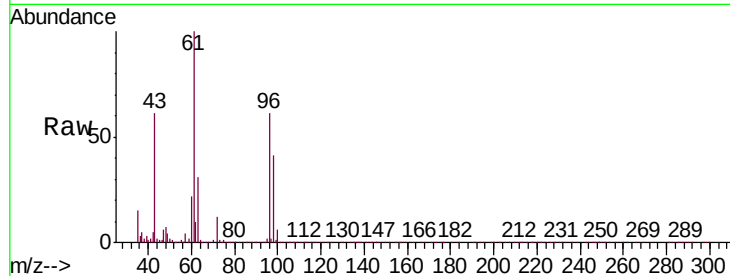


#22

cis-1,2-Dichloroethene
Concen: 5.274 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

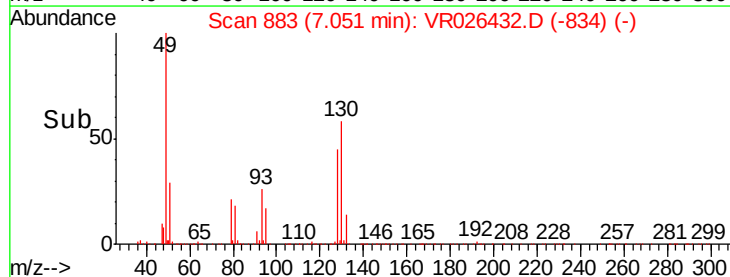
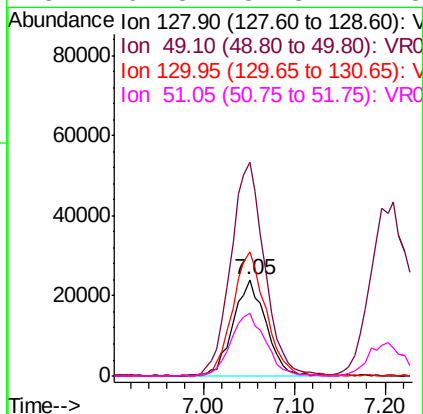
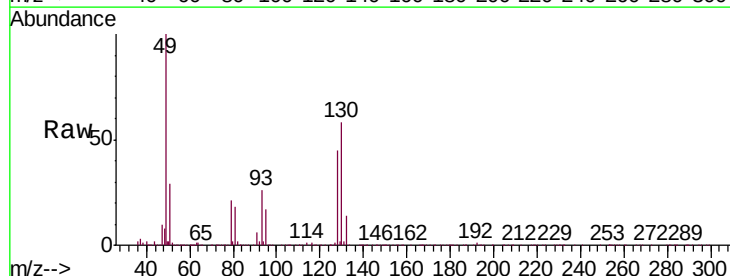
Tgt Ion: 96 Resp: 209839
Ion Ratio Lower Upper
96 100
61 164.3 115.0 213.6
68 0.0 0.0 0.0

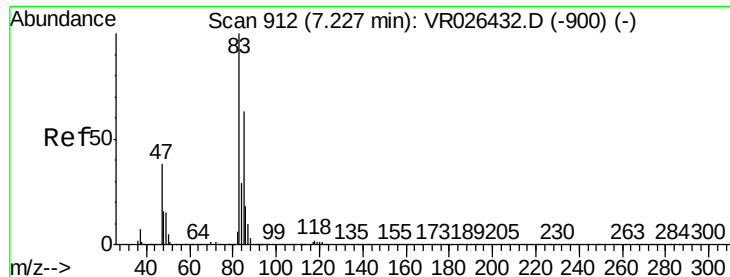


#23

Bromochloromethane
Concen: 4.836 ug/L
RT: 7.05 min Scan# 883
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion: 128 Resp: 59996
Ion Ratio Lower Upper
128 100
49 226.1 158.3 293.9
130 128.6 90.0 167.2
51 64.8 51.8 77.8

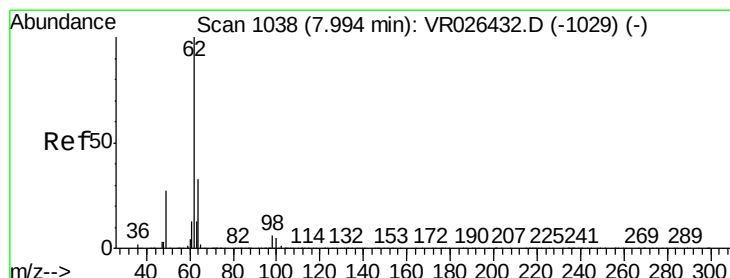
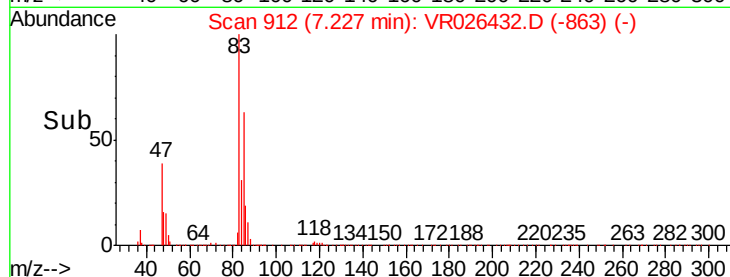
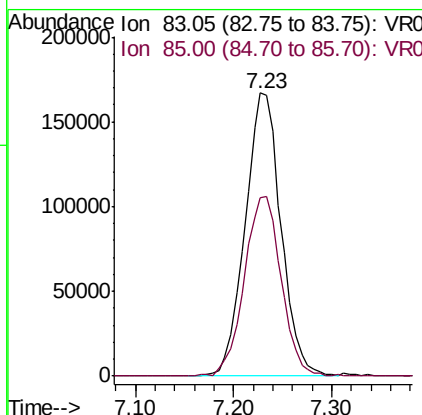
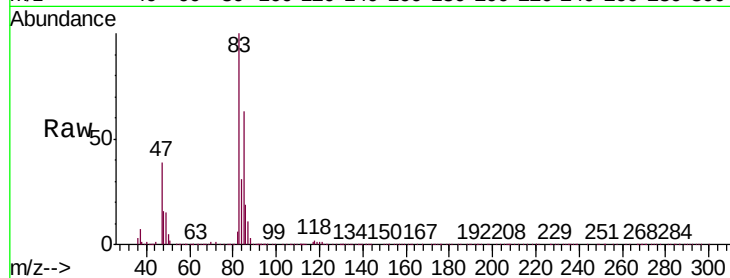




#25
Chloroform
Concen: 5.066 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

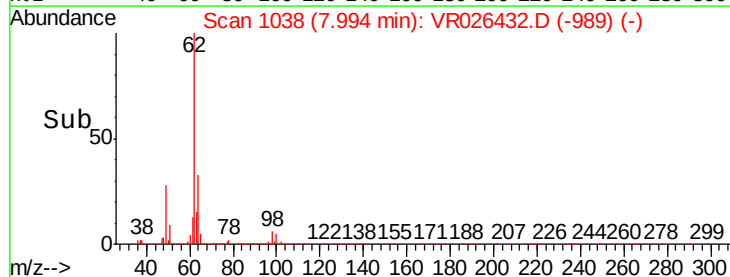
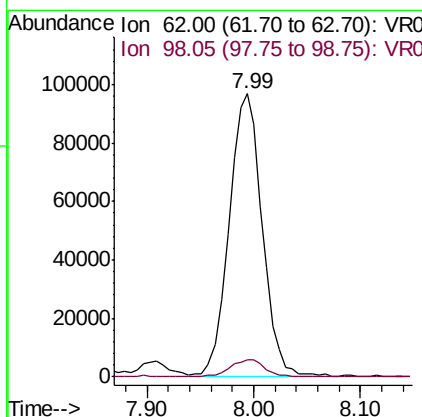
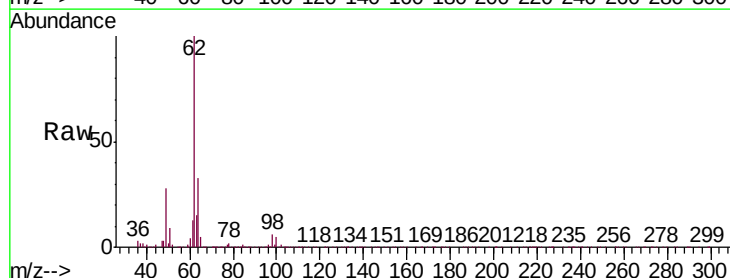
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

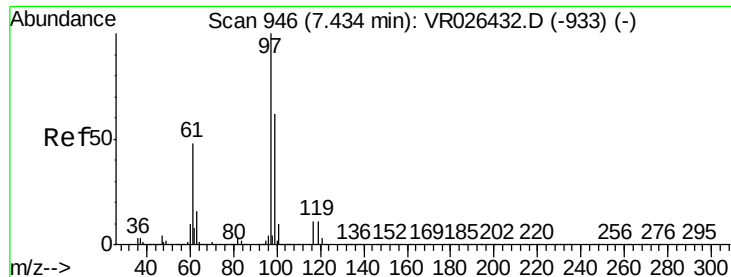
Tgt Ion: 83 Resp: 425797
Ion Ratio Lower Upper
83 100
85 63.1 44.2 82.0



#27
1,2-Dichloroethane
Concen: 5.200 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion: 62 Resp: 208975
Ion Ratio Lower Upper
62 100
98 6.0 4.8 7.2





#29

1,1,1-Trichloroethane

Concen: 5.616 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

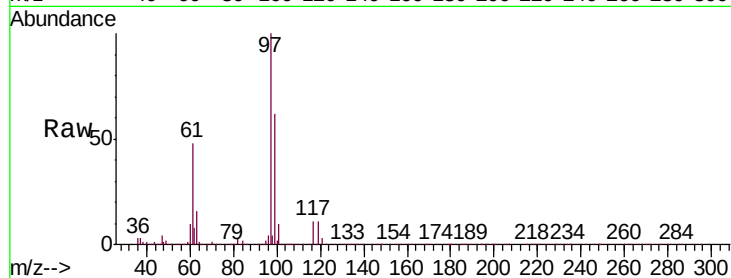
Tgt Ion: 97 Resp: 401857

Ion Ratio Lower Upper

97 100

99 62.0 49.6 74.4

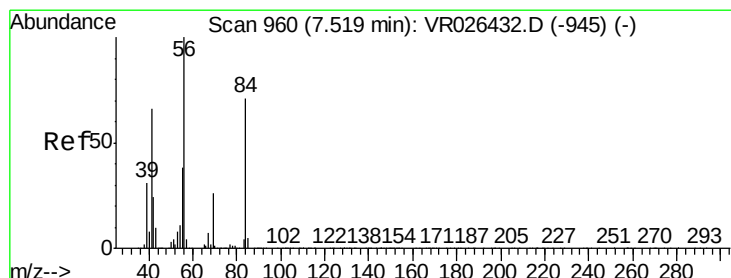
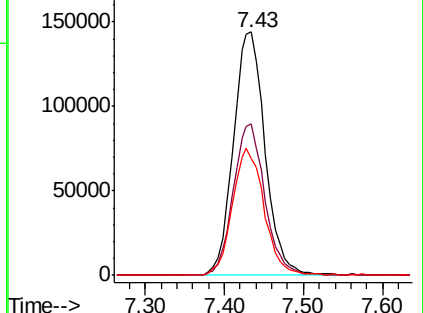
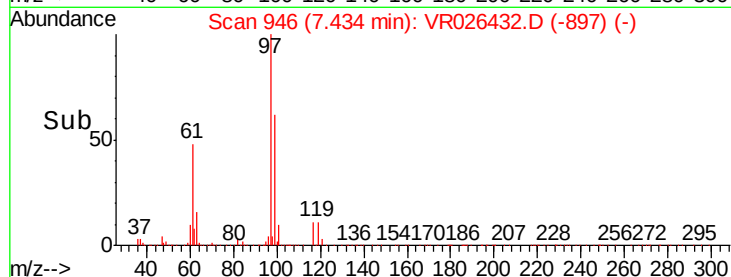
61 52.2 41.8 62.6



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 6.242 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

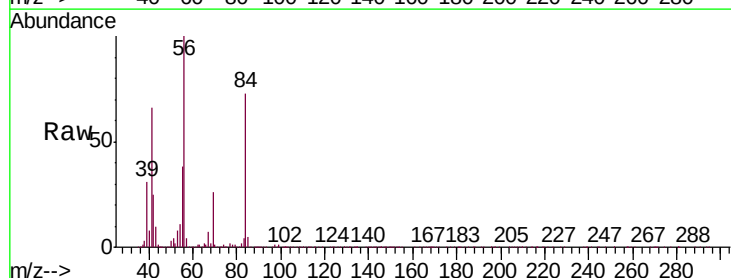
Tgt Ion: 56 Resp: 423392

Ion Ratio Lower Upper

56 100

69 28.2 22.6 33.8

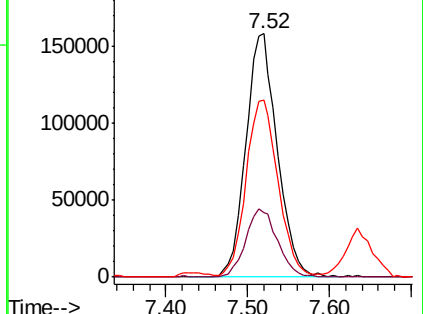
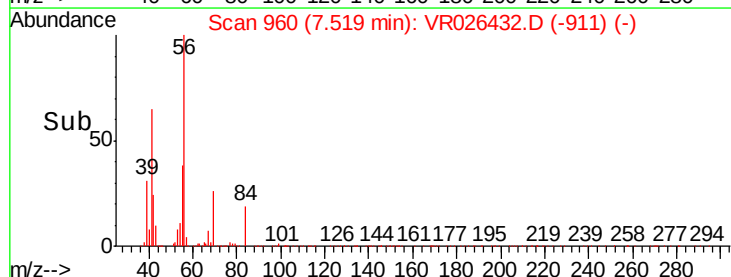
84 74.5 59.6 89.4

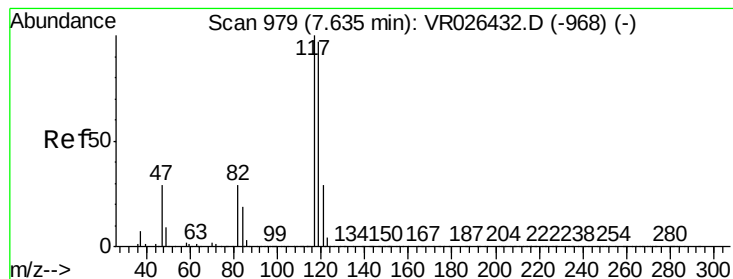


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 5.659 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

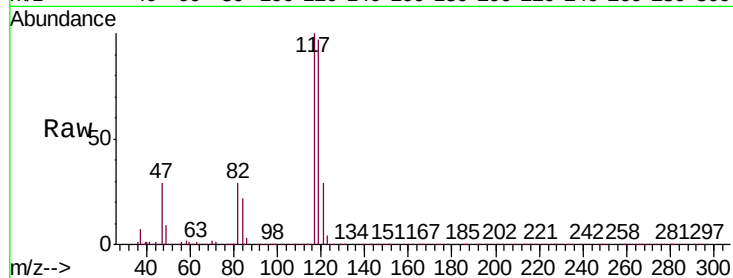
VSTD00584

Tgt Ion:117 Resp: 376848

Ion Ratio Lower Upper

117 100

119 94.9 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

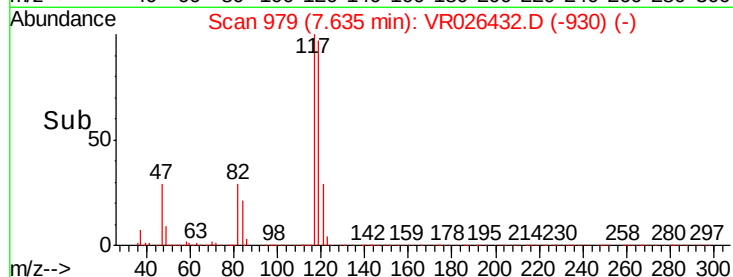
150000

100000

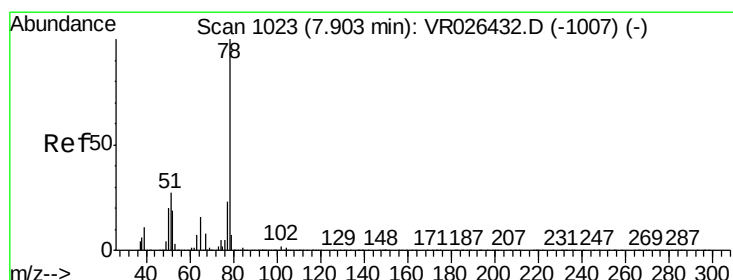
50000

0

7.50 7.60 7.70 7.80



Time-->



#33

Benzene

Concen: 5.234 ug/L

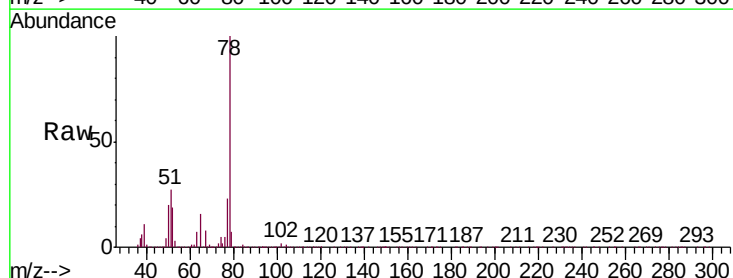
RT: 7.90 min Scan# 1023

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Tgt Ion: 78 Resp: 969251



Abundance Ion 78.10 (77.80 to 78.80): VR0

500000

400000

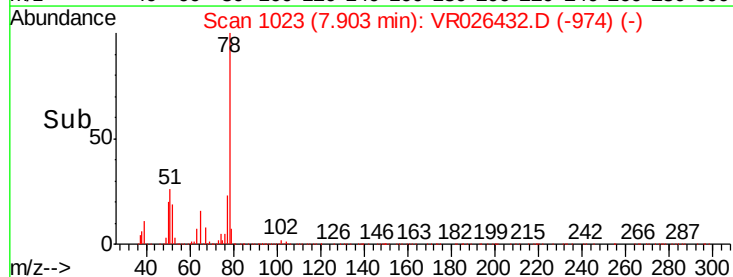
300000

200000

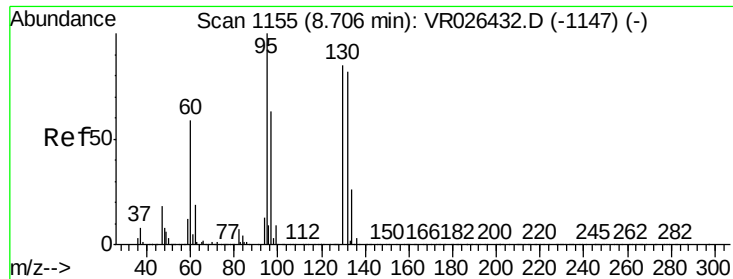
100000

0

7.70 7.80 7.90 8.00 8.10



Time-->



#34

Trichloroethene

Concen: 5.304 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

Tgt Ion: 95 Resp: 248650

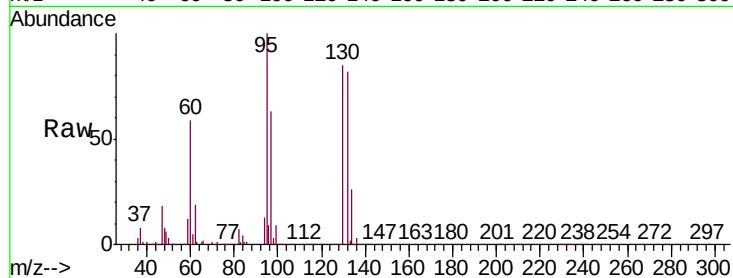
Ion Ratio Lower Upper

95 100

97 62.5 43.8 81.3

132 81.7 57.2 106.2

130 85.3 59.7 110.9

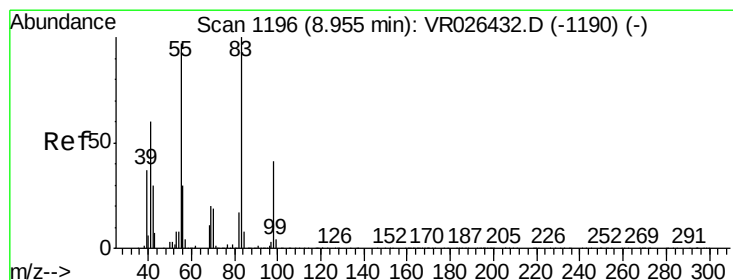
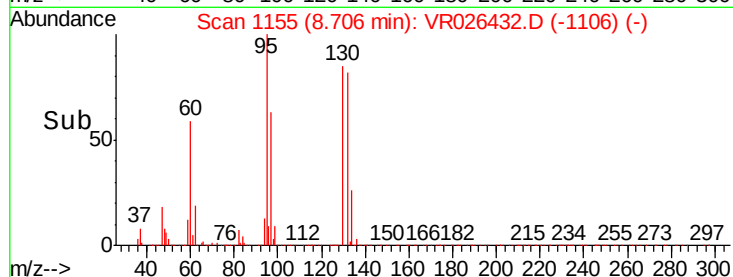
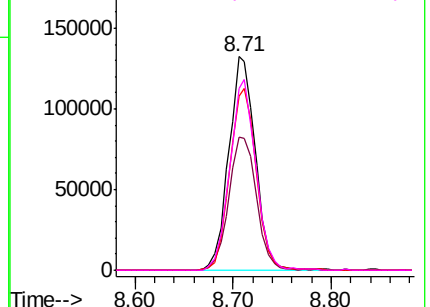


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.919 ug/L

RT: 8.96 min Scan# 1196

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

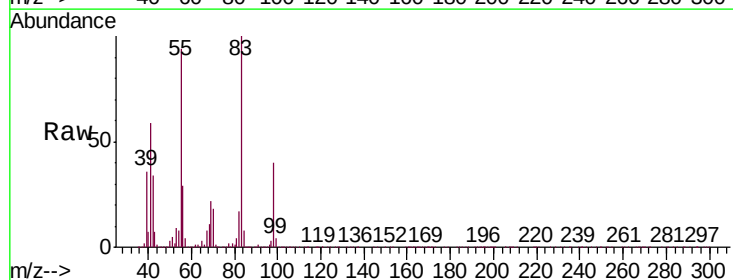
Tgt Ion: 83 Resp: 396433

Ion Ratio Lower Upper

83 100

55 92.2 73.8 110.6

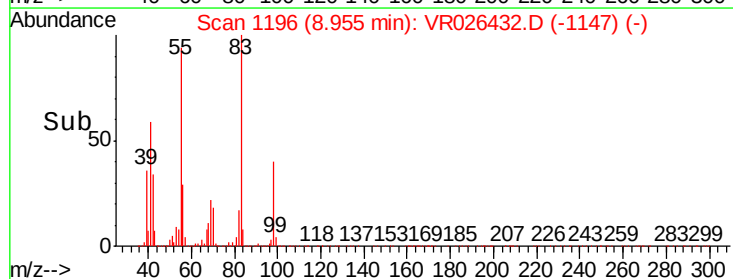
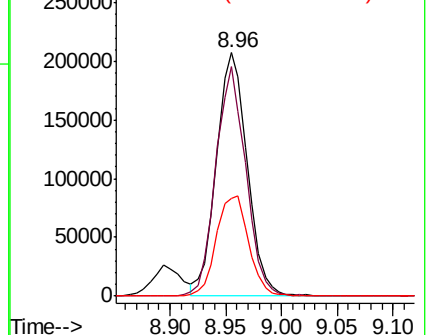
98 43.2 34.6 51.8

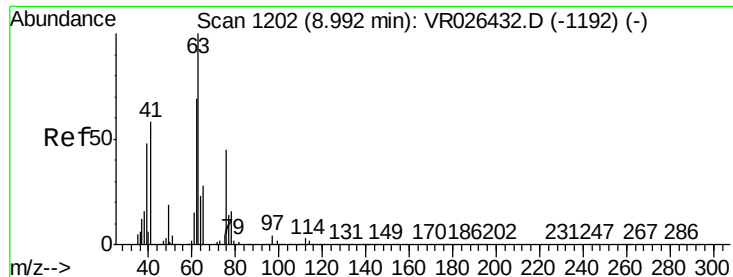


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

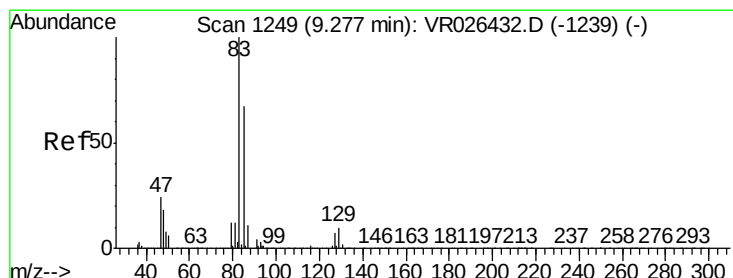
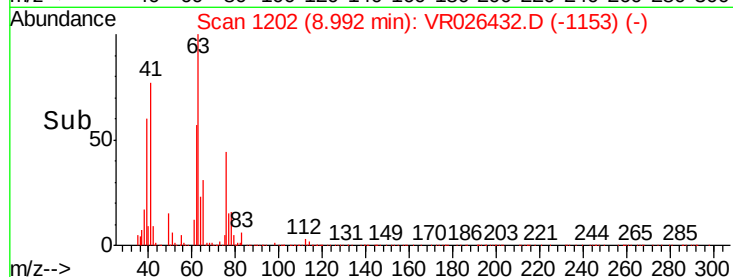
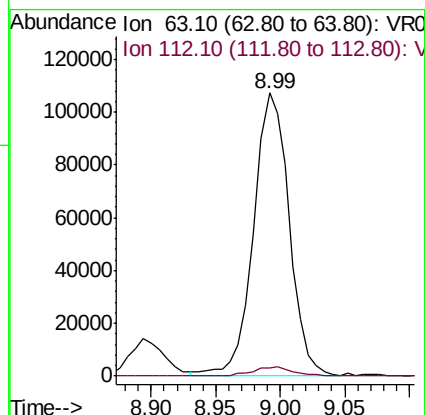
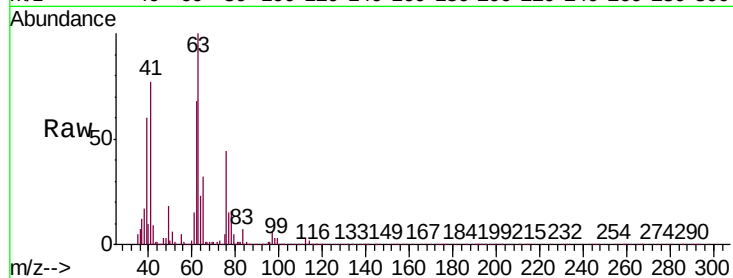




#37
 1,2-Dichloropropane
 Concen: 5.179 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

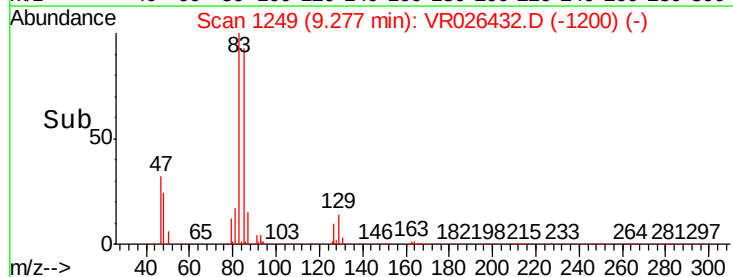
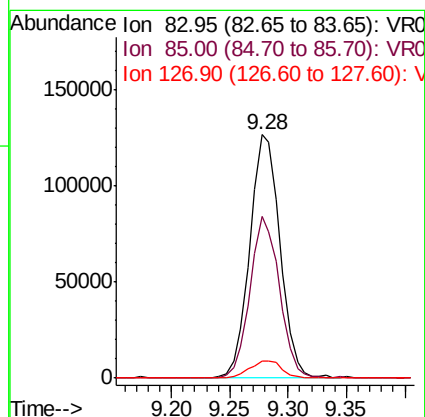
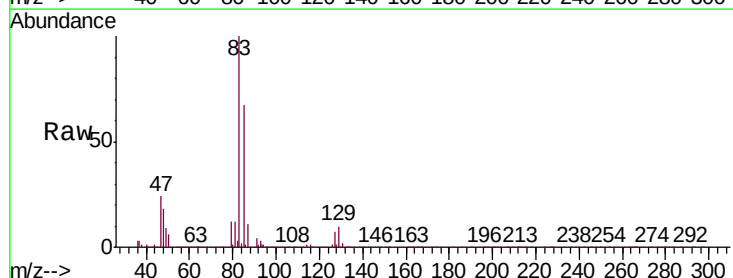
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

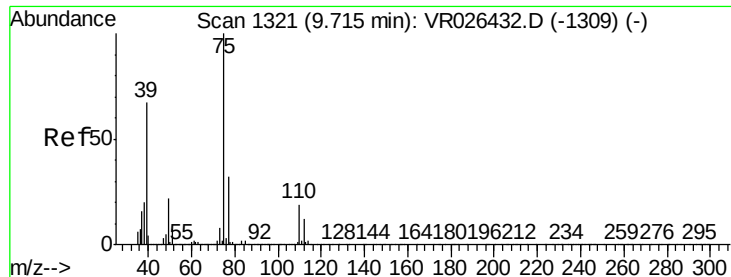
Tgt Ion: 63 Resp: 203476
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.088 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Tgt Ion: 83 Resp: 229898
 Ion Ratio Lower Upper
 83 100
 85 66.6 46.6 86.6
 127 7.0 5.6 8.4



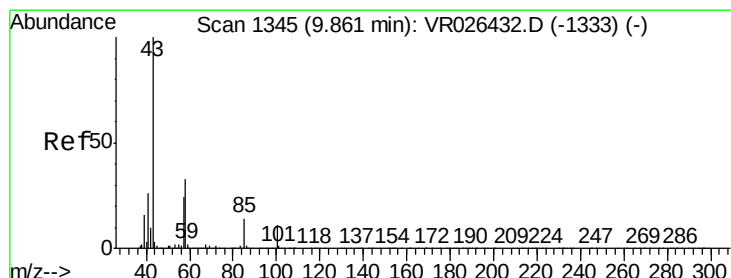
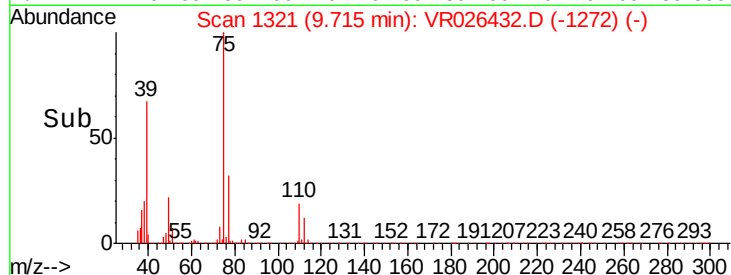
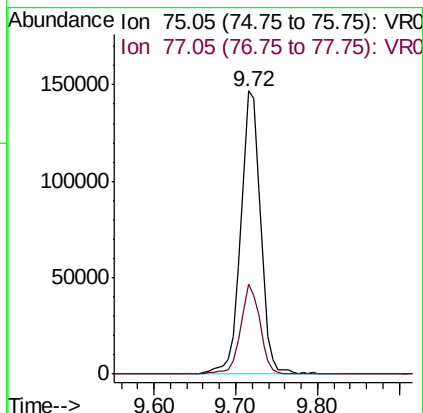
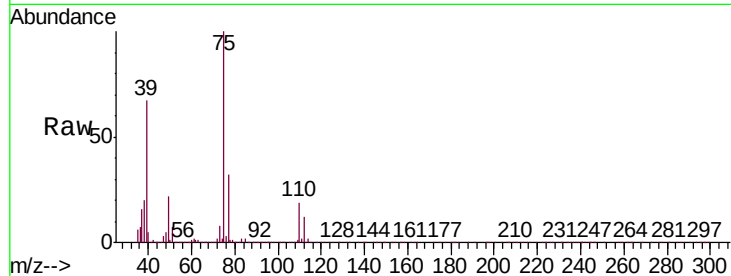


#39

cis-1,3-Dichloropropene
 Concen: 5.660 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

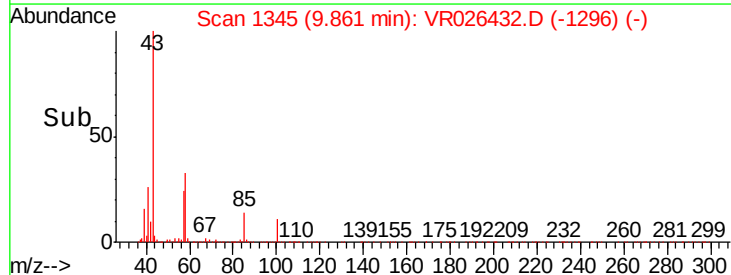
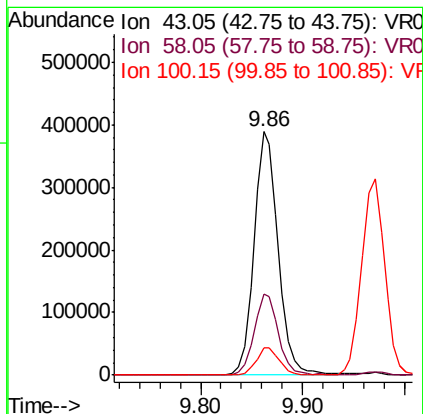
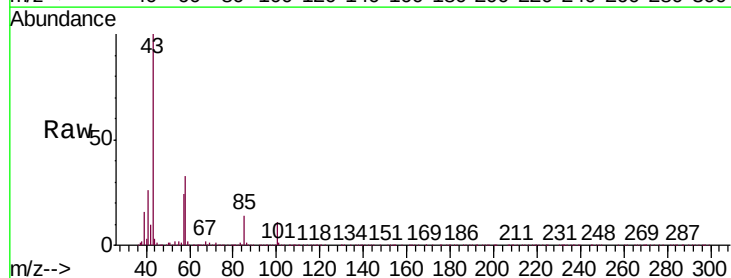
Tgt Ion: 75 Resp: 245636
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.3 41.5

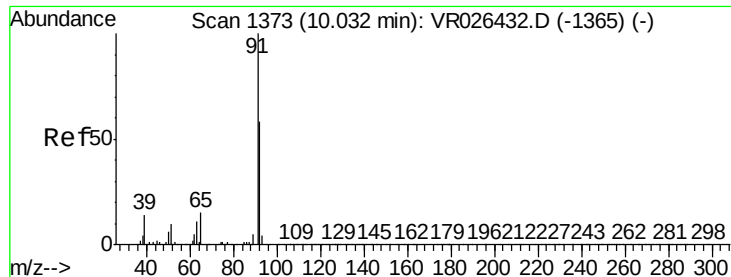


#40

4-Methyl-2-pentanone
 Concen: 58.789 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Tgt Ion: 43 Resp: 640328
 Ion Ratio Lower Upper
 43 100
 58 33.7 27.0 40.4
 100 11.1 8.9 13.3





#42

Toluene

Concen: 5.472 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

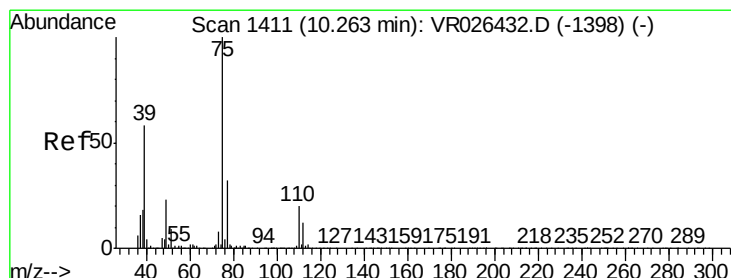
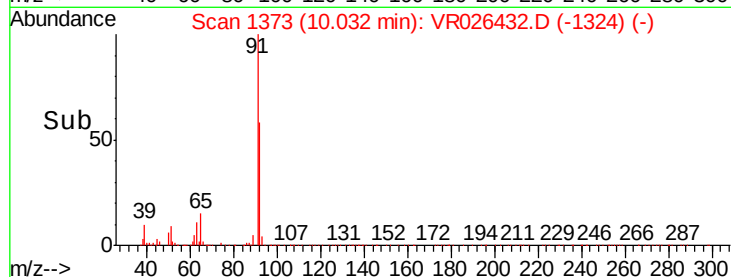
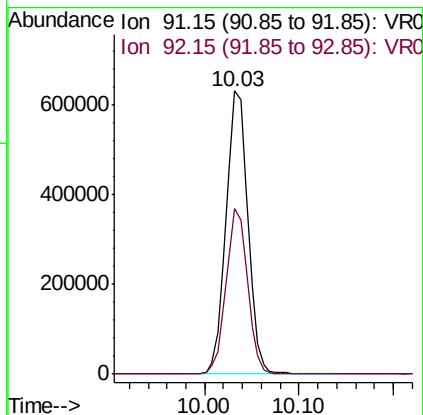
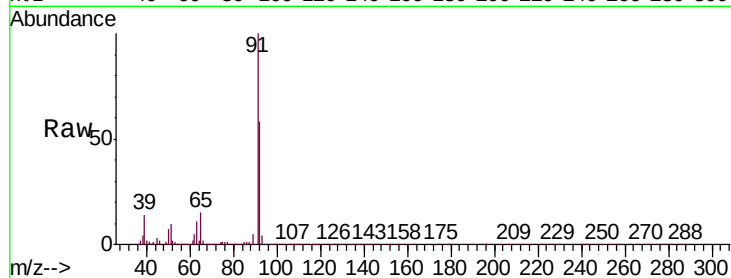
VSTD00584

Tgt Ion: 91 Resp: 1020695

Ion Ratio Lower Upper

91 100

92 58.4 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 5.375 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026432.D

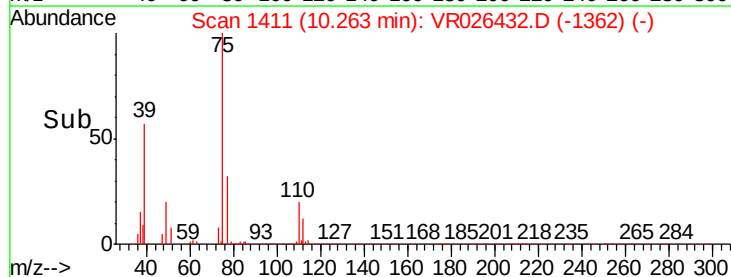
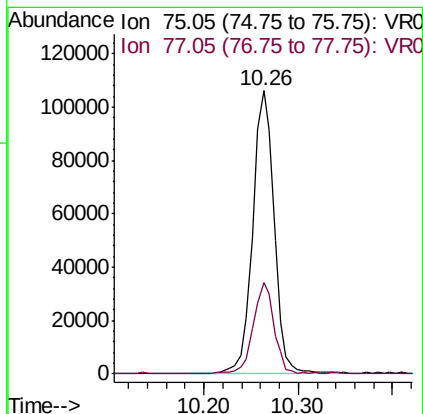
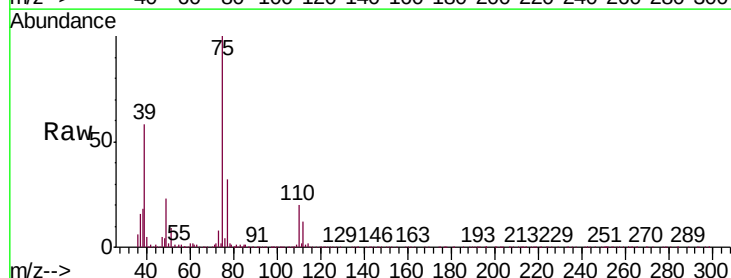
Acq: 3 Apr 2019 16:31

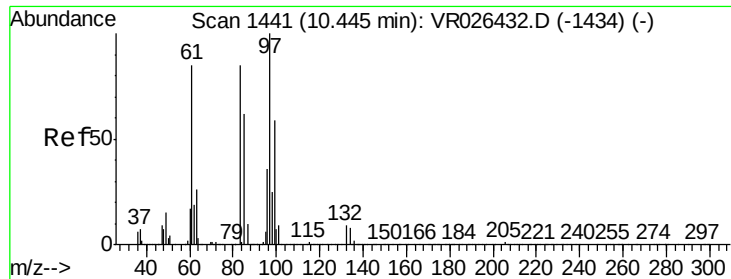
Tgt Ion: 75 Resp: 168412

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1

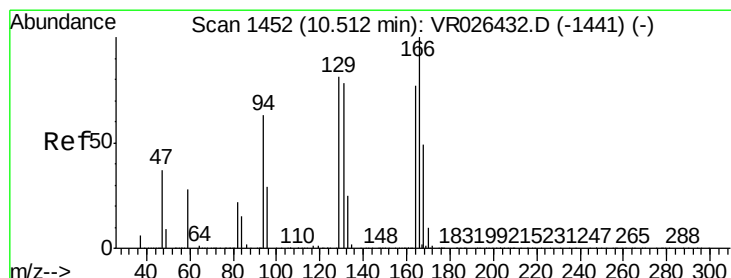
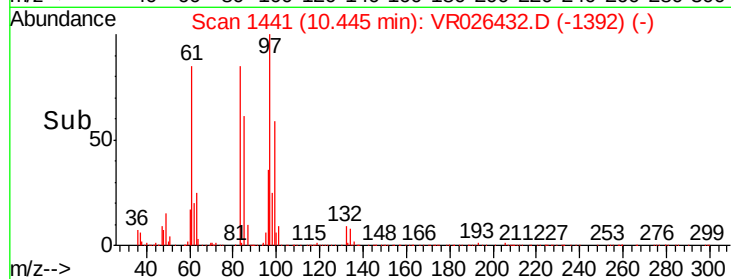
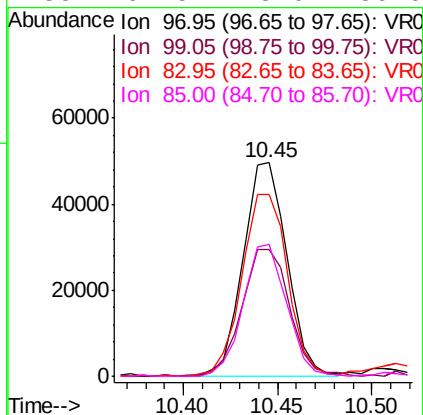
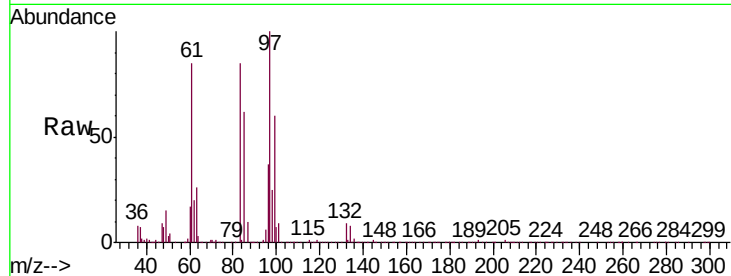




#45
1,1,2-Trichloroethane
Concen: 4.948 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

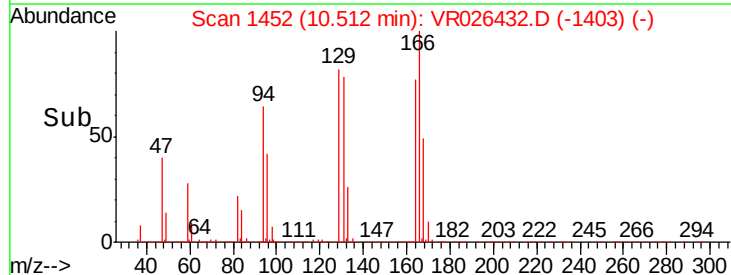
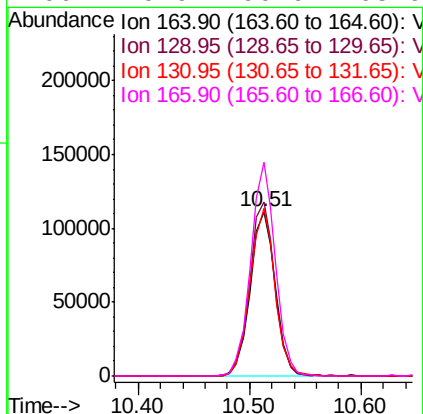
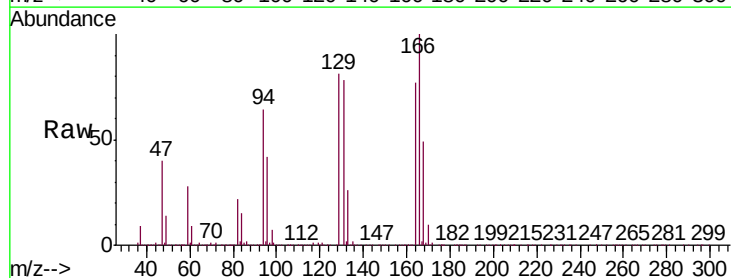
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

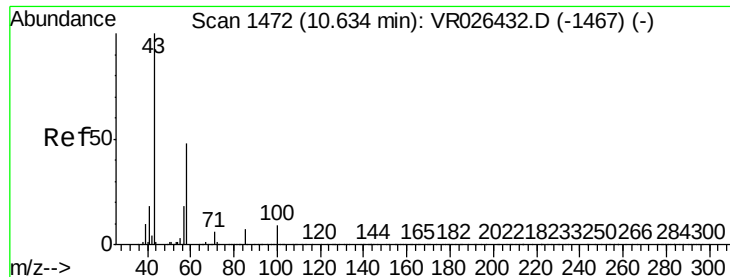
Tgt Ion:	97	Resp:	80210
Ion	Ratio	Lower	Upper
97	100		
99	59.6	41.7	77.5
83	85.0	59.5	110.5
85	61.5	43.0	80.0



#47
Tetrachloroethene
Concen: 5.145 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion:	164	Resp:	173844
Ion	Ratio	Lower	Upper
164	100		
129	105.8	74.1	137.5
131	101.9	71.3	132.5
166	129.9	90.9	168.9

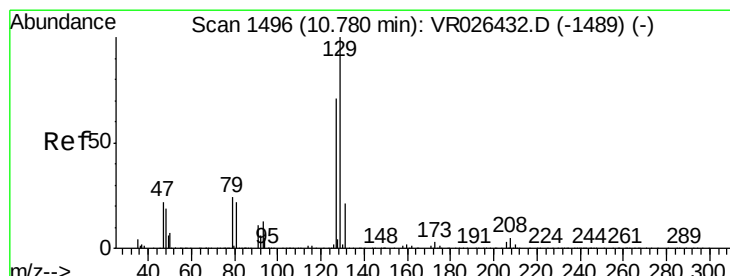
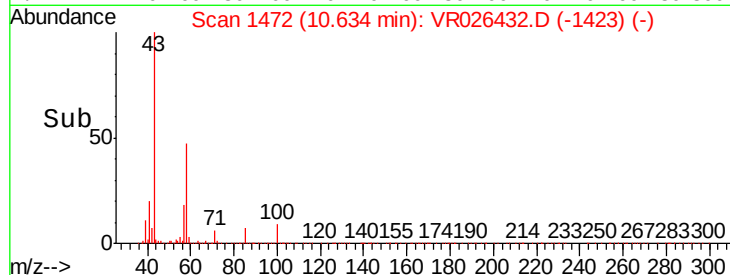
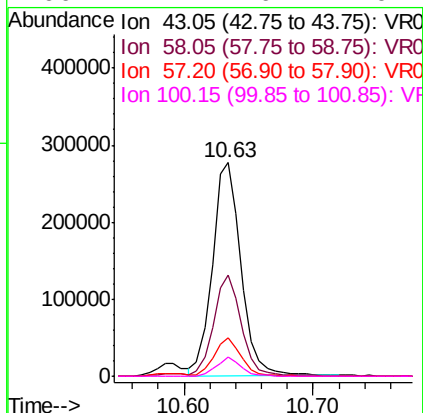
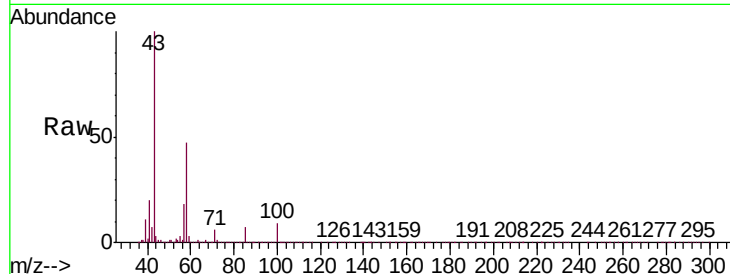




#48
2-Hexanone
Concen: 57.075 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

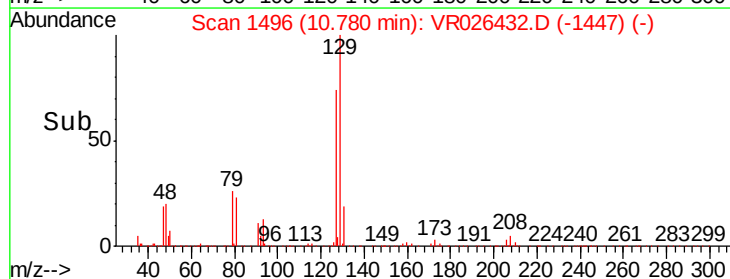
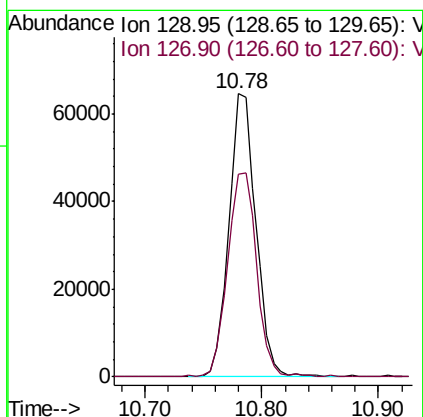
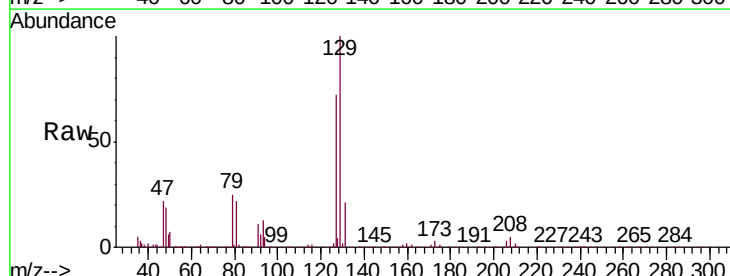
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

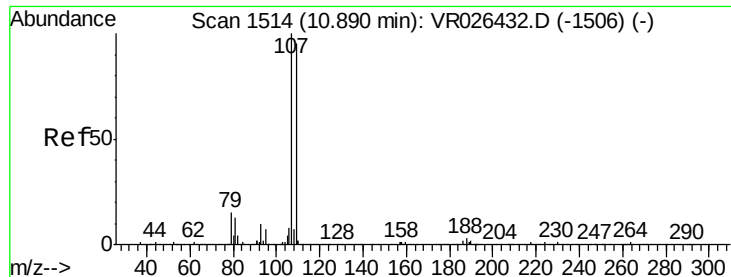
Tgt Ion:	43	Resp:	429033
Ion	Ratio	Lower	Upper
43	100		
58	47.7	38.2	57.2
57	17.2	13.8	20.6
100	7.7	6.2	9.2



#49
Dibromochloromethane
Concen: 5.150 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion:	129	Resp:	104102
Ion	Ratio	Lower	Upper
129	100		
127	71.7	50.2	93.2

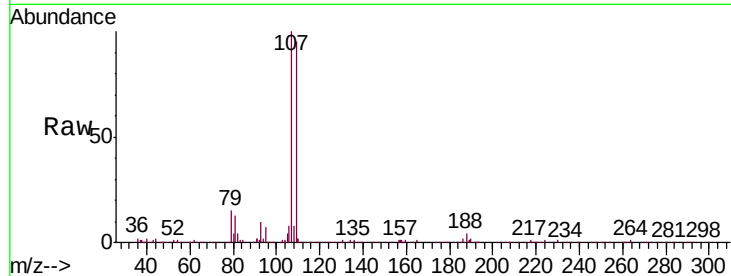




#50
1,2-Dibromoethane
Concen: 5.471 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.8	124.2
188	3.5	2.8	4.2

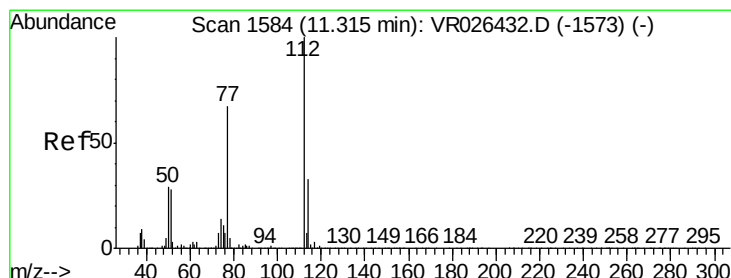
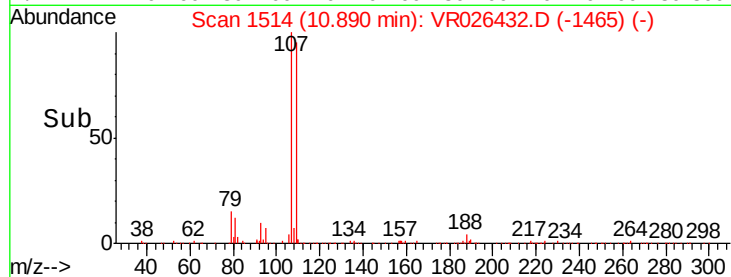
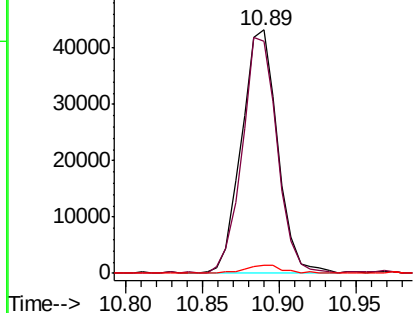


Abundance

Ion 106.95 (106.65 to 107.65): V

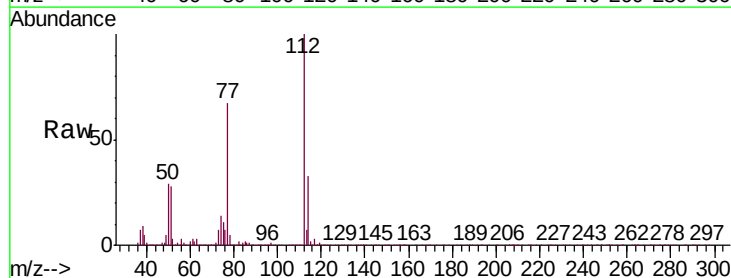
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 5.141 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.0	23.1	42.9
77	67.3	53.8	80.8

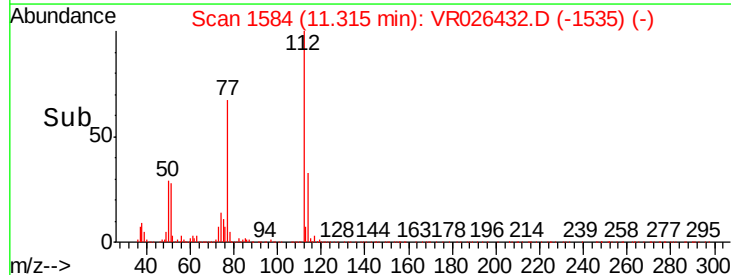
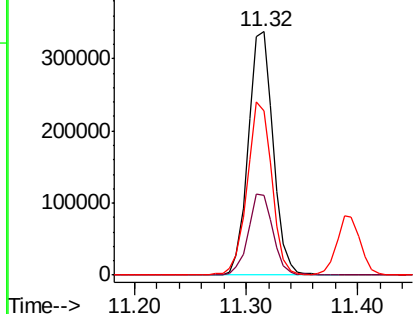


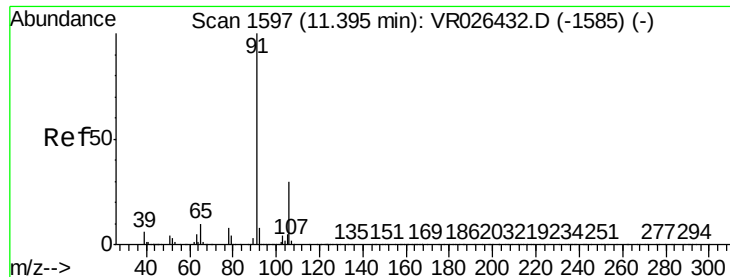
Abundance

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): V





#52

Ethylbenzene

Concen: 5.649 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

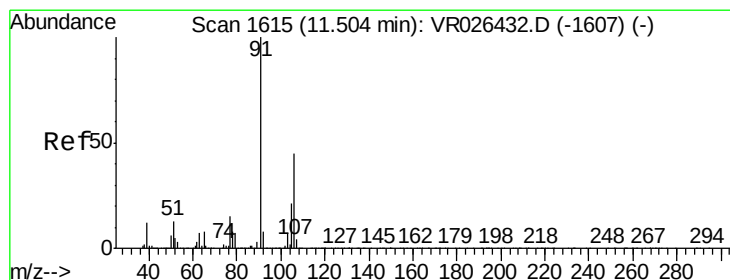
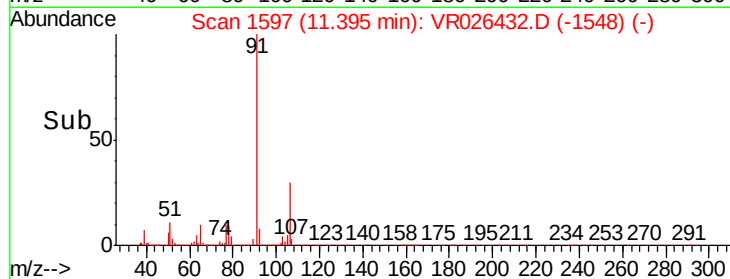
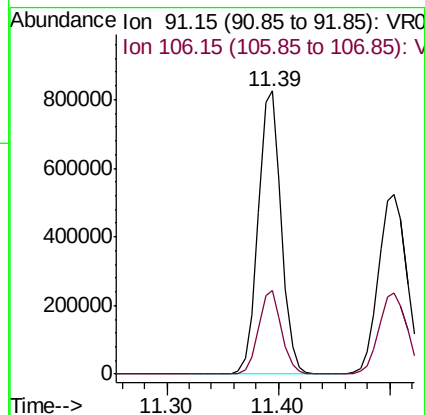
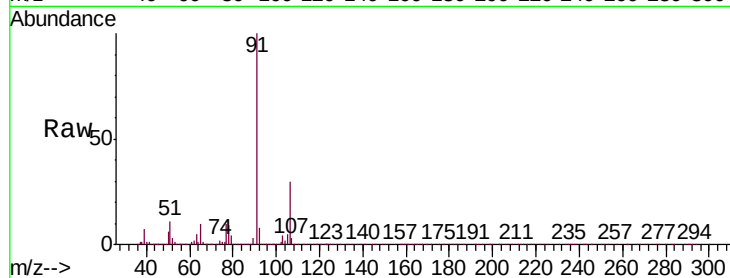
VSTD00584

Tgt Ion: 91 Resp: 1185925

Ion Ratio Lower Upper

91 100

106 29.6 20.7 38.5



#53

m,p-Xylene

Concen: 5.585 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026432.D

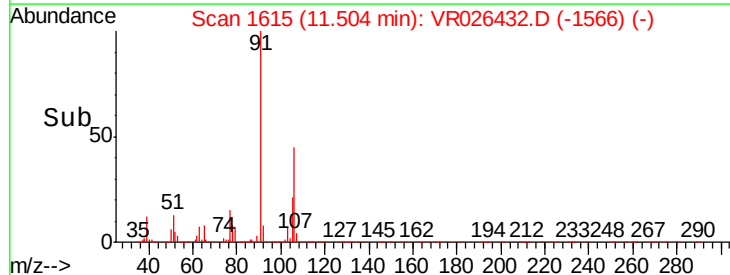
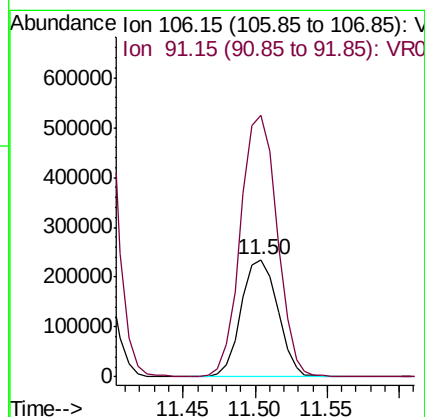
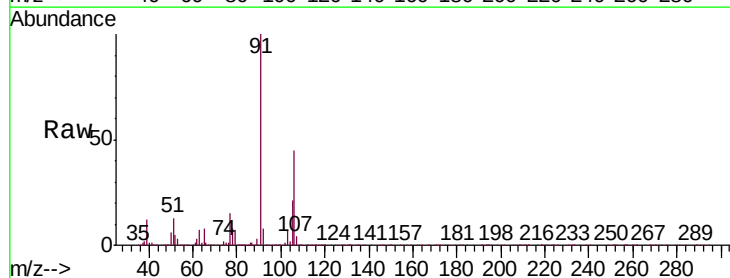
Acq: 3 Apr 2019 16:31

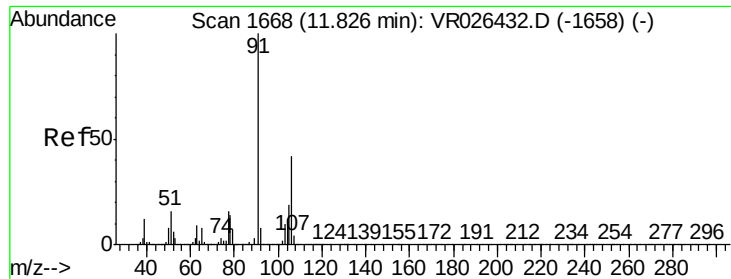
Tgt Ion: 106 Resp: 415138

Ion Ratio Lower Upper

106 100

91 222.3 155.6 289.0

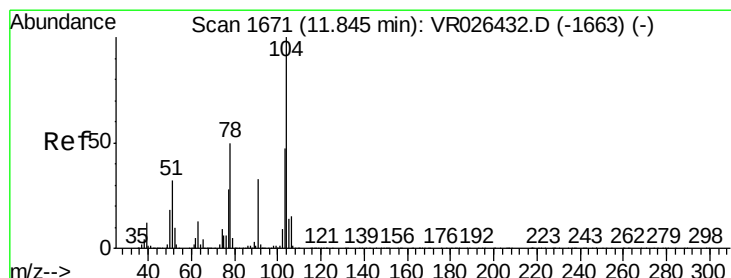
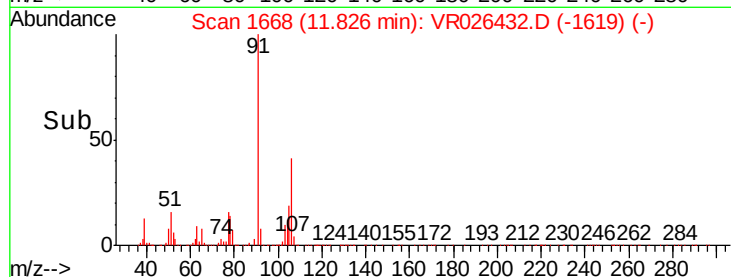
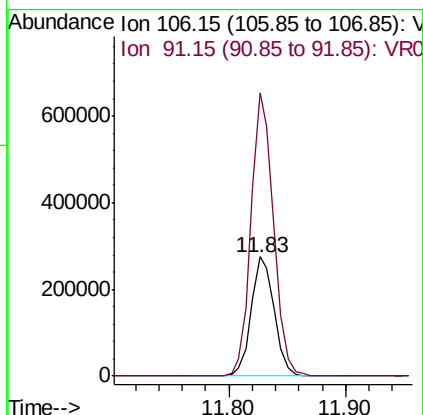
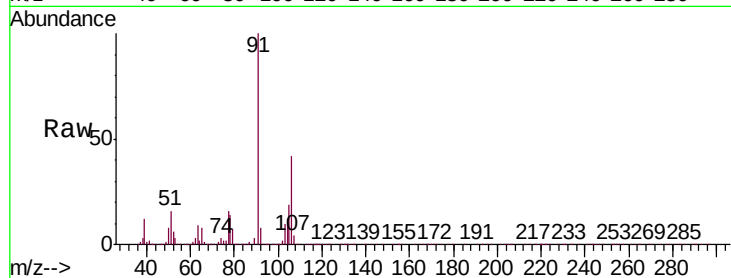




#54
o-Xylene
Concen: 5.796 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

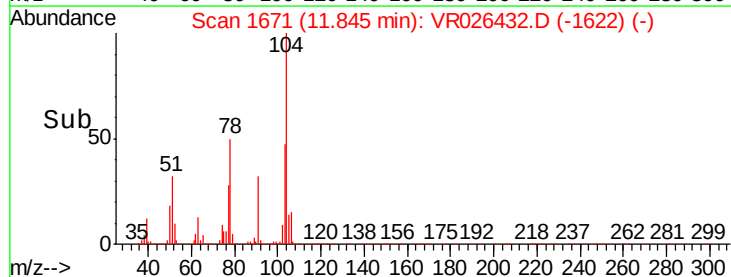
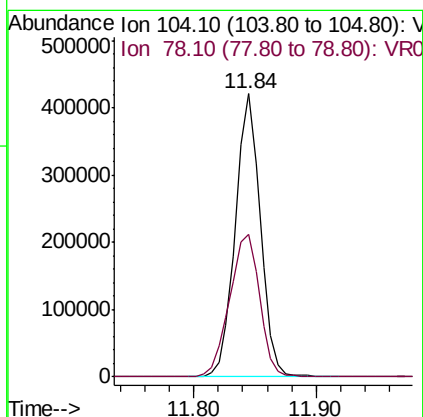
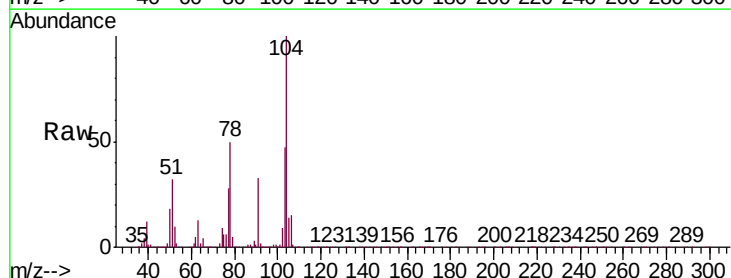
Instrument :
MSVOA_R
ClientSampleId :
VSTD00584

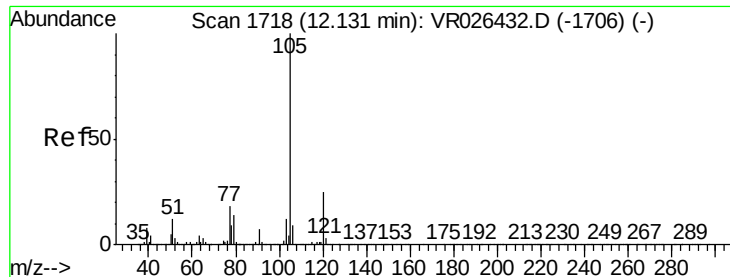
Tgt Ion:106 Resp: 379161
Ion Ratio Lower Upper
106 100
91 237.4 166.2 308.6



#55
Styrene
Concen: 5.737 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026432.D
Acq: 3 Apr 2019 16:31

Tgt Ion:104 Resp: 594321
Ion Ratio Lower Upper
104 100
78 50.3 35.2 65.4





#56

Isopropylbenzene

Concen: 5.981 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampled :

VSTD00584

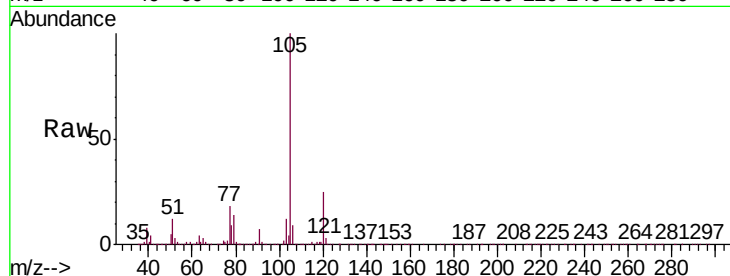
Tgt Ion: 105 Resp: 1112995

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.2

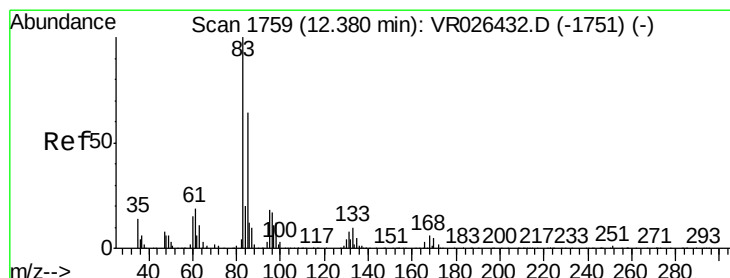
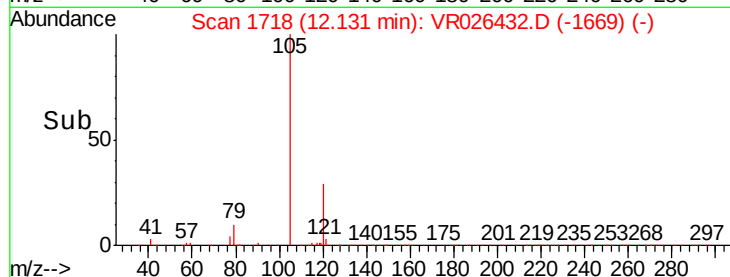
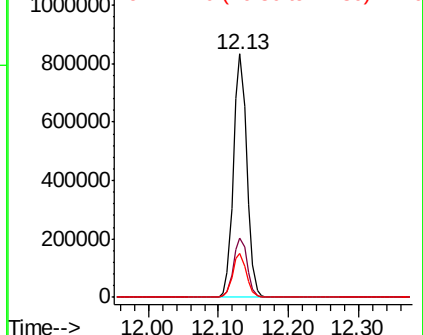
77 18.4 14.7 22.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.228 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

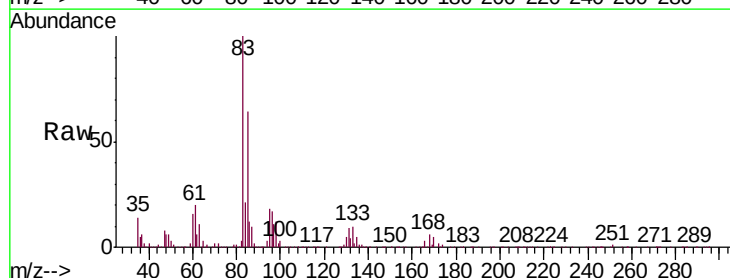
Tgt Ion: 83 Resp: 77474

Ion Ratio Lower Upper

83 100

85 64.4 45.1 83.7

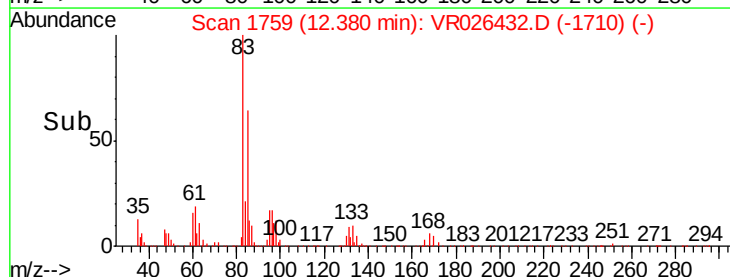
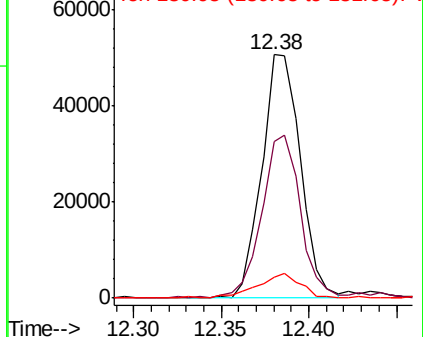
131 8.6 6.9 10.3

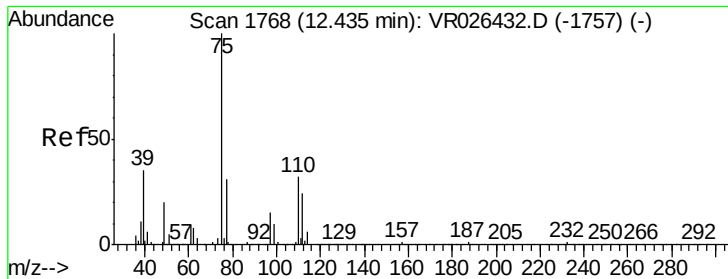


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.559 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

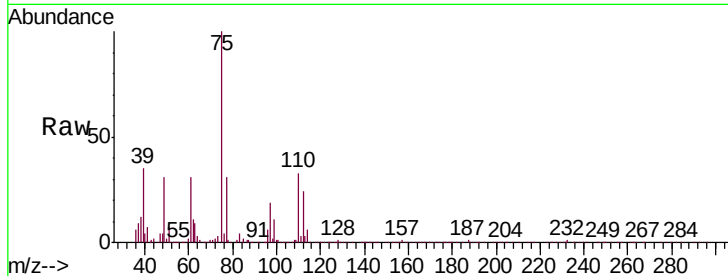
VSTD00584

Tgt Ion: 75 Resp: 61398

Ion Ratio Lower Upper

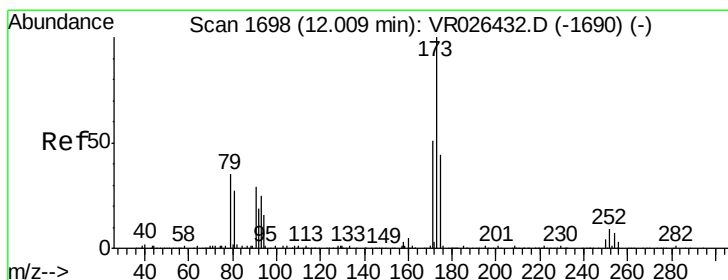
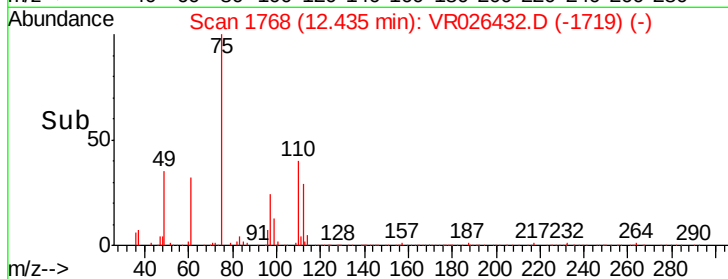
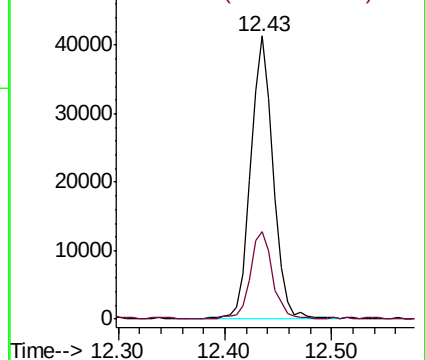
75 100

77 31.2 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VR0

Ion 77.00 (76.70 to 77.70): VR0



#61

Bromoform

Concen: 4.459 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

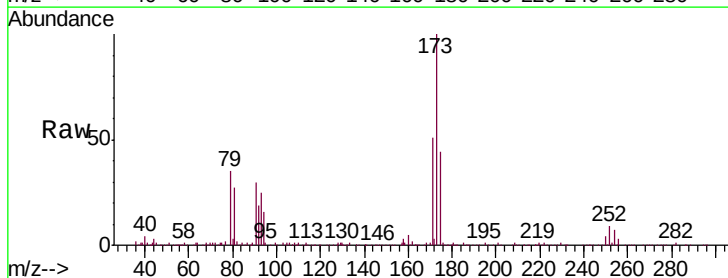
Tgt Ion: 173 Resp: 38889

Ion Ratio Lower Upper

173 100

175 45.7 36.6 54.8

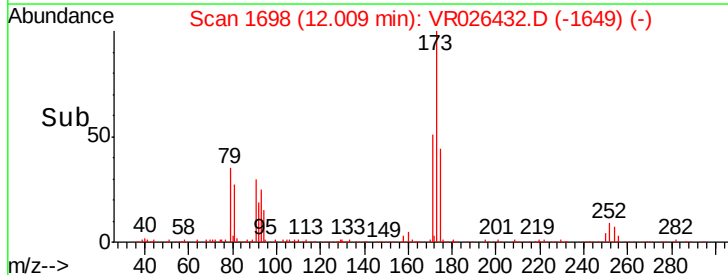
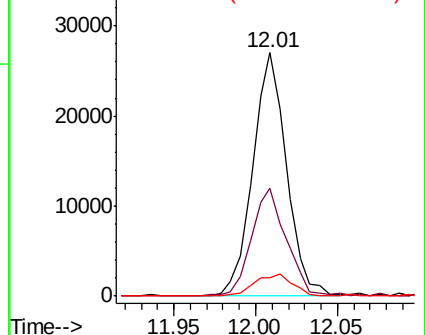
254 10.0 8.0 12.0

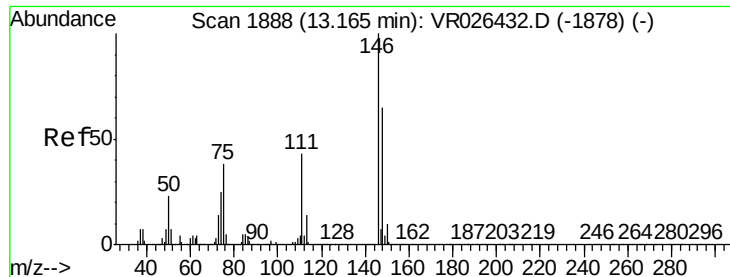


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#62

1,3-Dichlorobenzene

Concen: 5.333 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

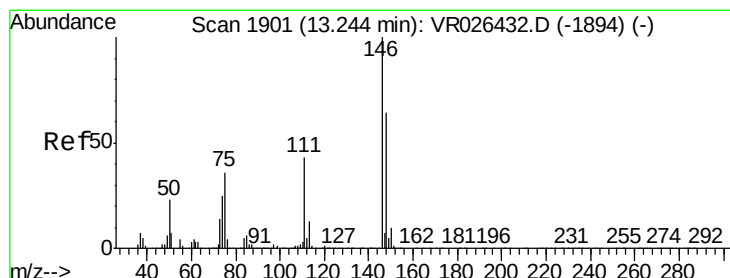
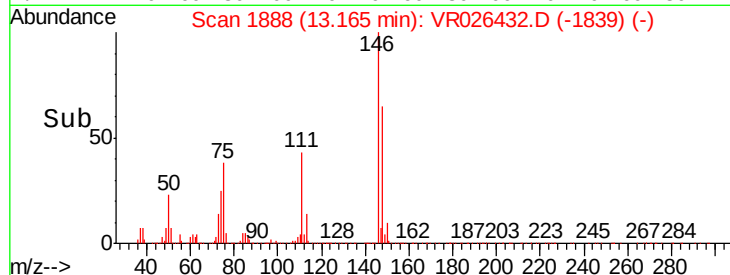
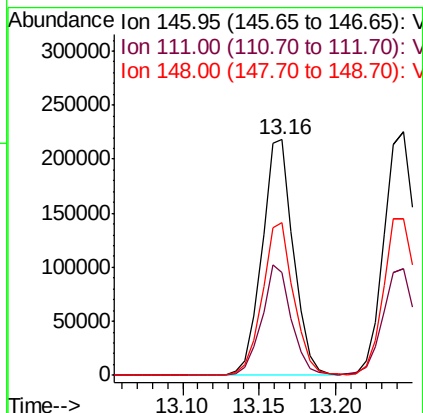
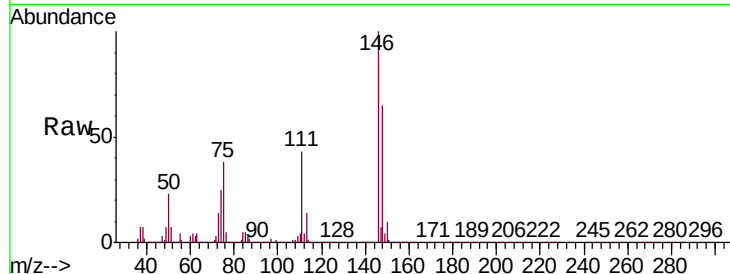
Instrument :

MSVOA_R

ClientSampled :

VSTD00584

Tgt Ion:	146	Resp:	311625
Ion	Ratio	Lower	Upper
146	100		
111	43.5	30.4	56.5
148	64.8	45.4	84.2



#63

1,4-Dichlorobenzene

Concen: 5.087 ug/L

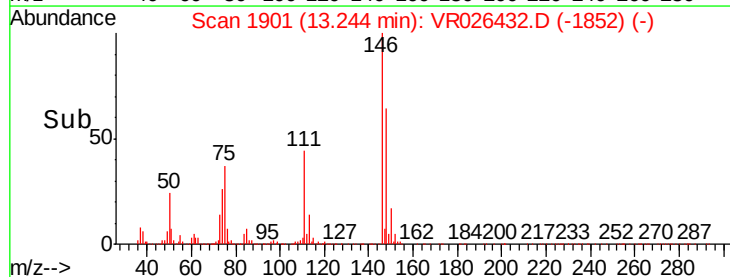
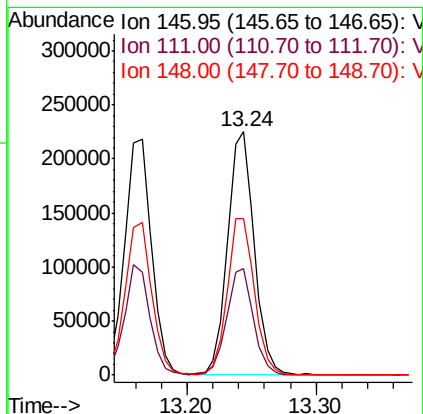
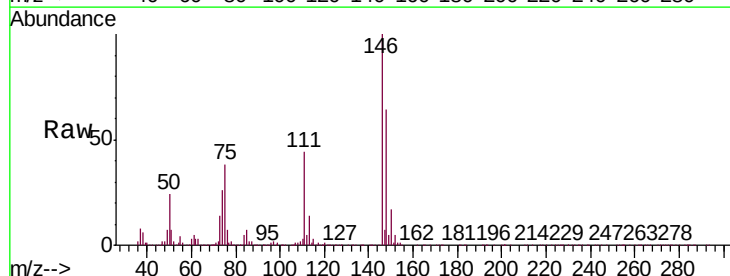
RT: 13.24 min Scan# 1901

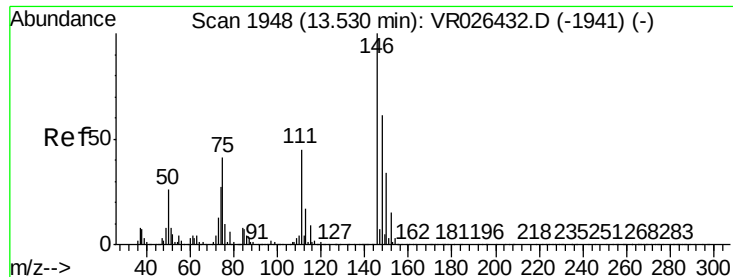
Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Tgt Ion:	146	Resp:	326433
Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.5	56.7
148	64.3	45.0	83.6

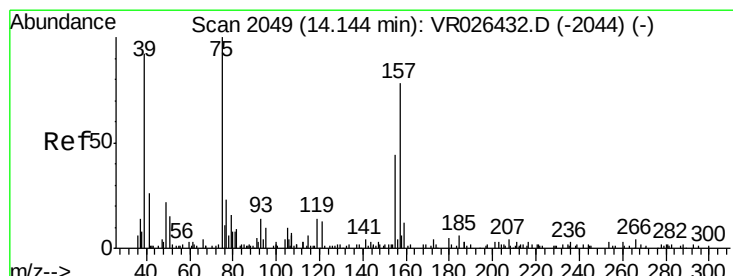
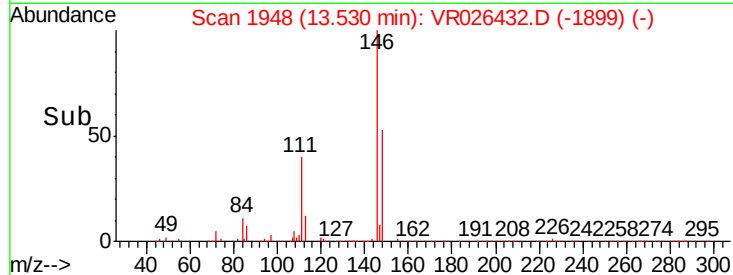
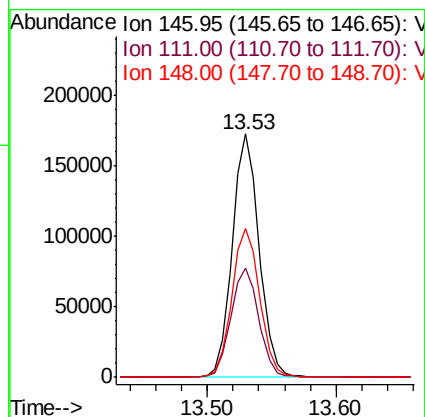
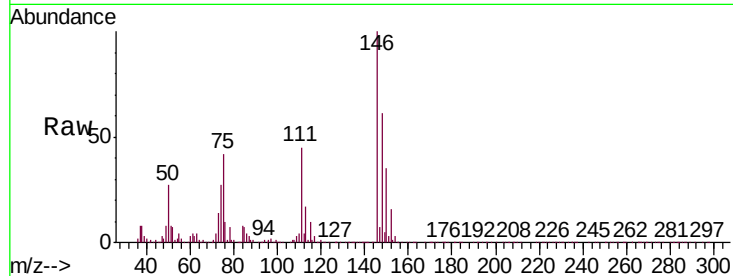




#65
 1,2-Dichlorobenzene
 Concen: 5.240 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

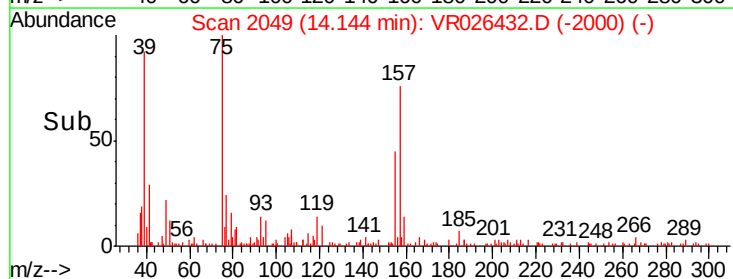
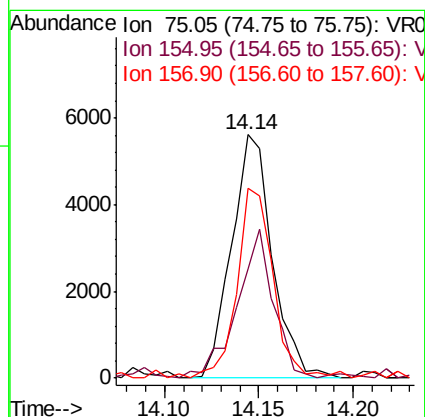
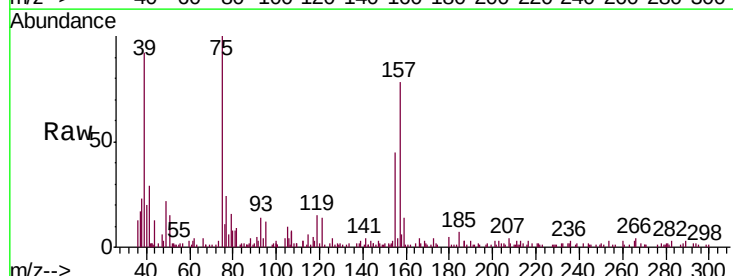
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00584

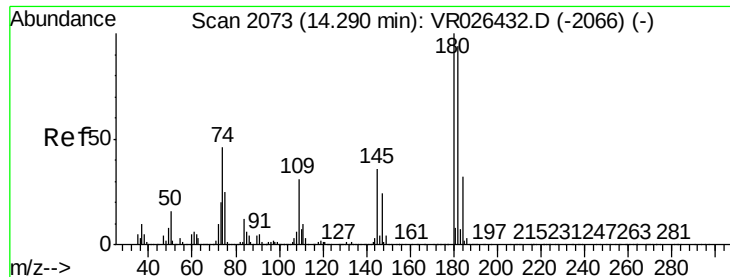
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	35.8	53.6
148	61.1	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.717 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	45.1	36.1	54.1
157	78.0	62.4	93.6

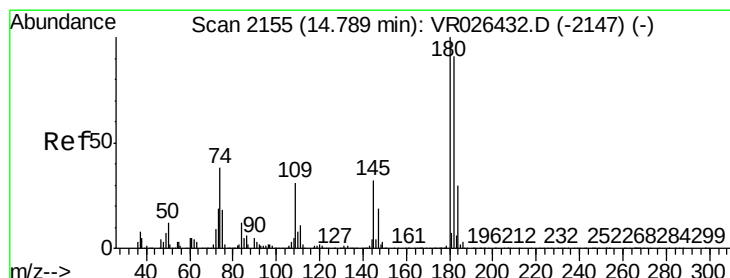
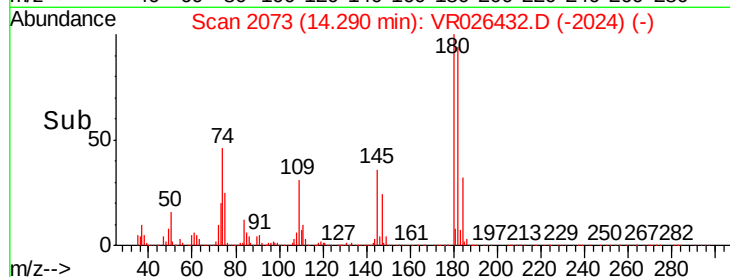
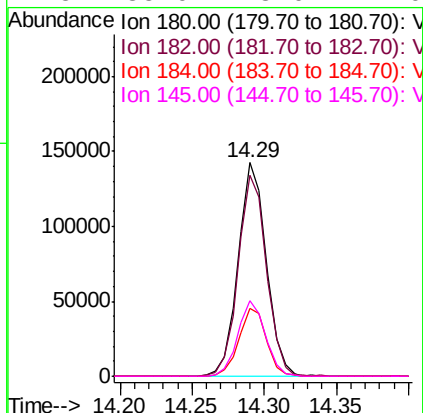
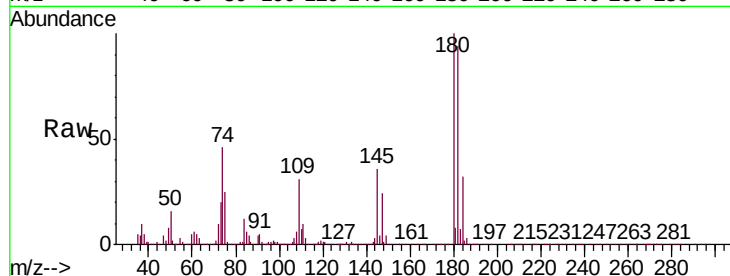




#67
 1,3,5-Trichlorobenzene
 Concen: 5.336 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

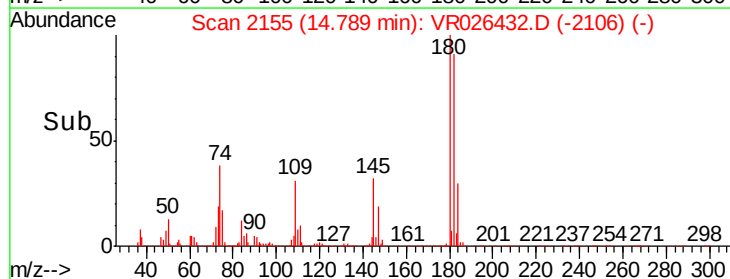
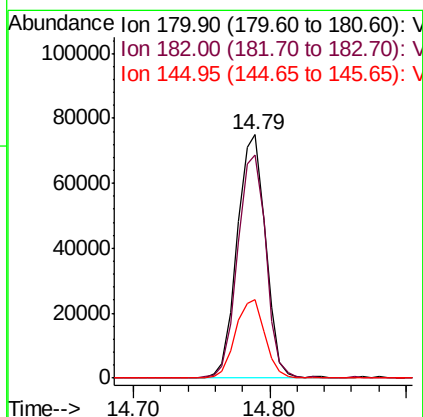
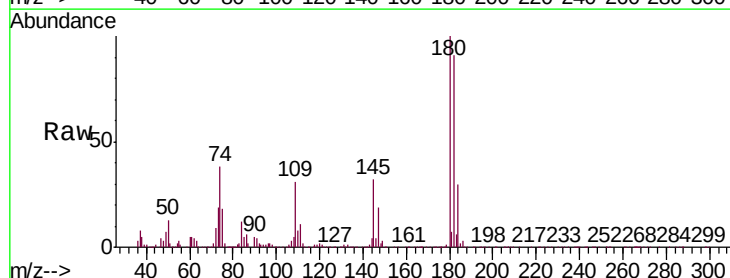
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00584

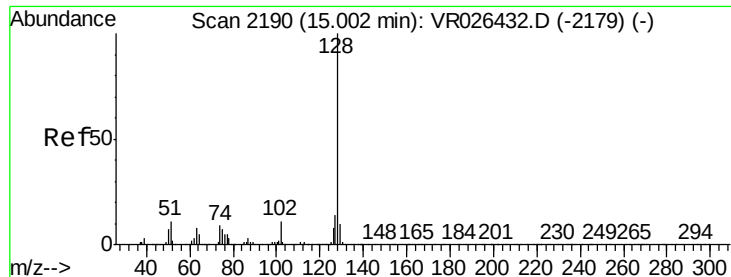
Tgt Ion:	180	Resp:	193178
Ion Ratio	Lower	Upper	
180	100		
182	94.7	75.8	113.6
184	31.2	25.0	37.4
145	35.0	28.0	42.0



#68
 1,2,4-trichlorobenzene
 Concen: 5.256 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VR026432.D
 Acq: 3 Apr 2019 16:31

Tgt Ion:	180	Resp:	109167
Ion Ratio	Lower	Upper	
180	100		
182	91.3	73.0	109.6
145	33.4	26.7	40.1





#69

Naphthalene

Concen: 5.359 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

Instrument :

MSVOA_R

ClientSampleId :

VSTD00584

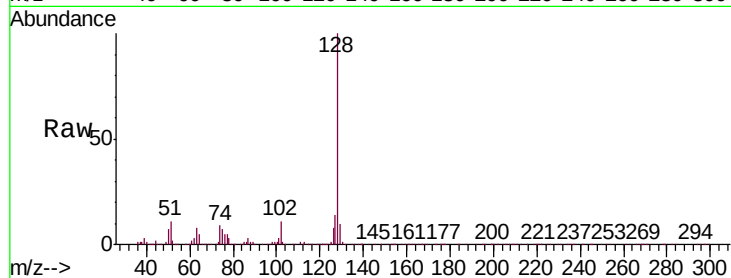
Tgt Ion:128 Resp: 103381

Ion Ratio Lower Upper

128 100

127 14.2 11.4 17.0

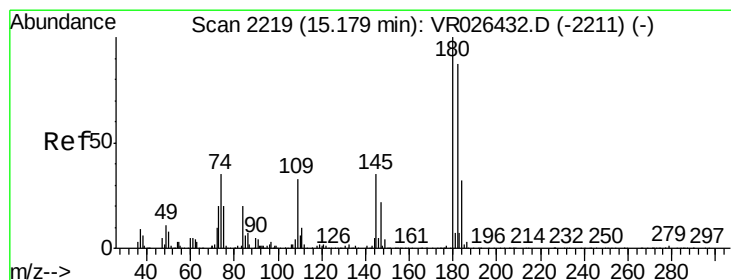
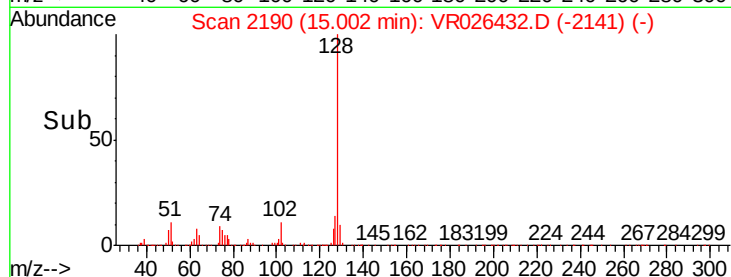
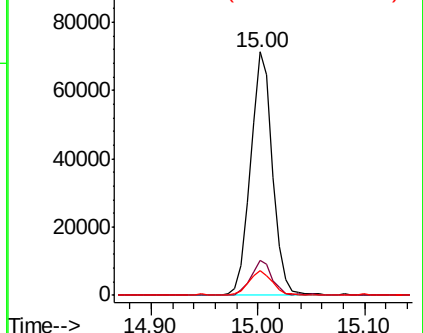
129 11.2 9.0 13.4



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: 5.347 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026432.D

Acq: 3 Apr 2019 16:31

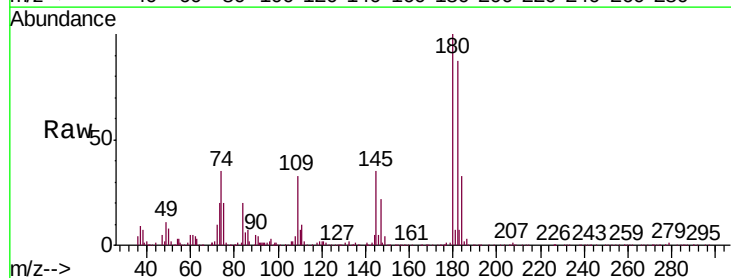
Tgt Ion:180 Resp: 77966

Ion Ratio Lower Upper

180 100

182 91.4 73.1 109.7

145 35.7 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

