

Data File : VR026454.D
Acq On : 5 Apr 2019 9:55
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

Quant Time: Apr 06 05:53:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 05 07:16:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	518950	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	435800	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	164255	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	175041	4.44	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.80%
7) Chloroethane-d5	2.62	69	150313	4.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	3.60	63	506479	4.97	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	99.40%
20) 2-Butanone-d5	6.58	46	164379	46.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.52%
24) Chloroform-d	7.20	84	356232	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	7.89	65	146632	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
32) Benzene-d6	7.85	84	656354	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
36) 1,2-Dichloropropane-d6	8.89	67	170459	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	9.96	98	622685	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	10.23	79	37294	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	139929	54.54	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.08%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66798	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	109517	4.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	216517	4.071	ug/L 99
3) Chloromethane	2.00	50	250593	4.467	ug/L 95
5) Vinyl chloride	2.15	62	256376	4.651	ug/L 96
6) Bromomethane	2.52	94	141800	4.399	ug/L 97
8) Chloroethane	2.66	64	143664	4.597	ug/L 99
9) Trichlorofluoromethane	2.93	101	167791	2.199	ug/L 85
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	189718	4.506	ug/L 97
12) 1,1-Dichloroethene	3.62	96	220614	4.794	ug/L 87
13) Acetone	3.69	43	153636	43.246	ug/L 100
14) Carbon disulfide	3.92	76	650400	4.869	ug/L 100
15) Methyl Acetate	4.18	43	40656	4.241	ug/L 99
16) Methylene chloride	4.40	84	178945	4.373	ug/L 92
17) Methyl tert-butyl Ether	4.88	73	206662	3.948	ug/L 99
18) trans-1,2-Dichloroethene	4.88	96	200695	4.622	ug/L 90
19) 1,1-Dichloroethane	5.68	63	370546	4.592	ug/L 97
21) 2-Butanone	6.68	43	218091	47.747	ug/L 99
22) cis-1,2-Dichloroethene	6.67	96	174711	4.837	ug/L 88

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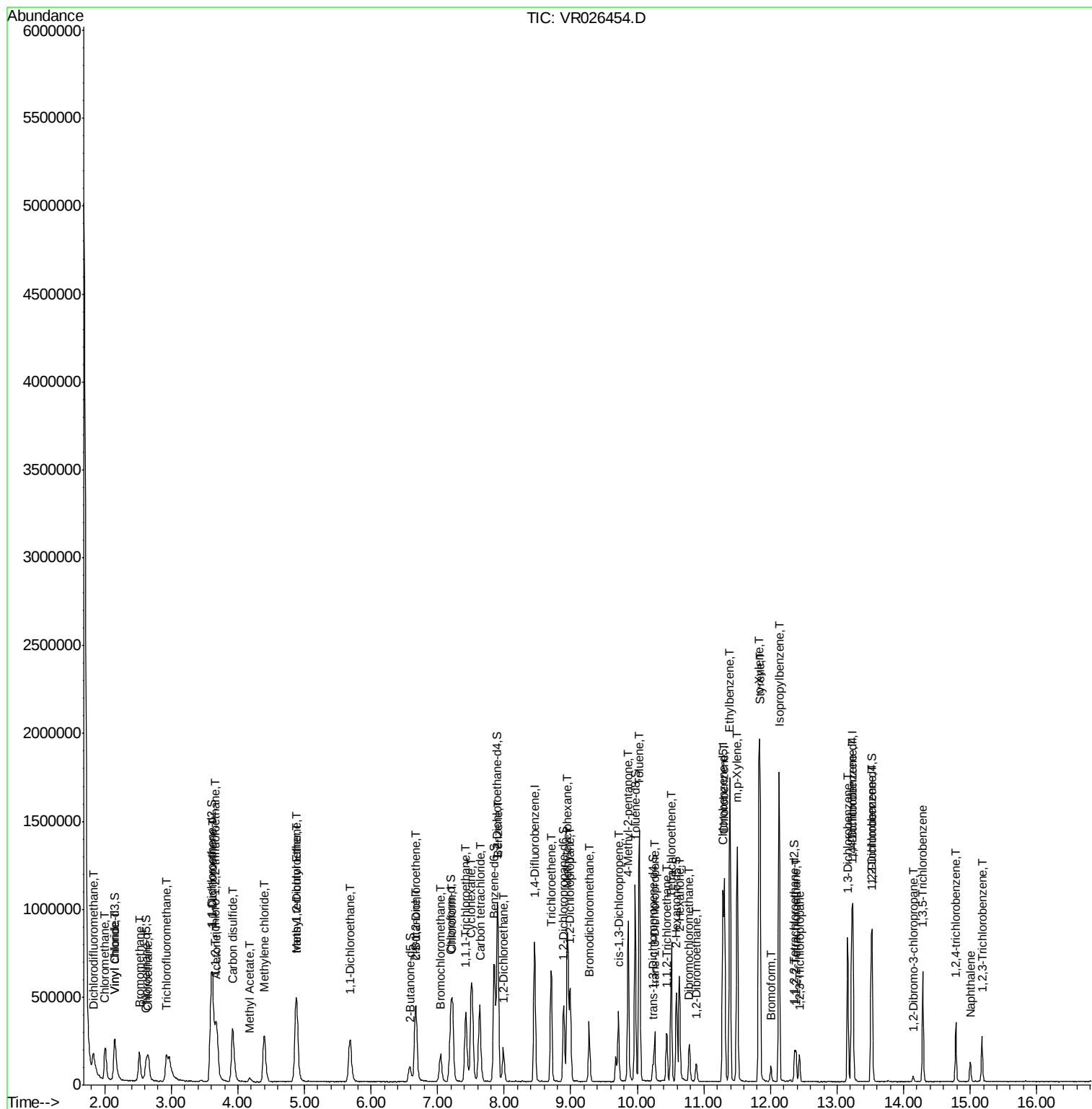
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	49413	4.391	ug/L	86
25) Chloroform	7.22	83	356205	4.614	ug/L	99
27) 1,2-Dichloroethane	7.99	62	178541	4.637	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	320806	4.460	ug/L	97
30) Cyclohexane	7.51	56	326140	4.880	ug/L	99
31) Carbon tetrachloride	7.63	117	311585	4.572	ug/L	98
33) Benzene	7.90	78	807293	4.740	ug/L	100
34) Trichloroethene	8.71	95	208176	4.563	ug/L	96
35) Methylcyclohexane	8.95	83	294851	4.532	ug/L	98
37) 1,2-Dichloropropane	8.99	63	171083	4.584	ug/L	98
38) Bromodichloromethane	9.28	83	197914	4.589	ug/L	97
39) cis-1,3-Dichloropropene	9.72	75	175800	4.339	ug/L	97
40) 4-Methyl-2-pentanone	9.86	43	557739	50.998	ug/L	99
42) Toluene	10.03	91	857179	4.911	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	122850	4.157	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	68872	4.562	ug/L	94
47) Tetrachloroethene	10.51	164	144402	4.448	ug/L	89
48) 2-Hexanone	10.63	43	376089	51.701	ug/L	97
49) Dibromochloromethane	10.78	129	91465	4.625	ug/L	91
50) 1,2-Dibromoethane	10.88	107	56154	4.324	ug/L #	98
51) Chlorobenzene	11.31	112	451780	4.613	ug/L	98
52) Ethylbenzene	11.39	91	1000331	4.975	ug/L	100
53) m,p-Xylene	11.50	106	355656	4.935	ug/L	98
54) o-Xylene	11.83	106	317527	5.015	ug/L	99
55) Styrene	11.84	104	500396	5.006	ug/L	94
56) Isopropylbenzene	12.13	105	887359	4.937	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	63304	4.318	ug/L	95
59) 1,2,3-Trichloropropane	12.43	75	50565	4.496	ug/L	99
61) Bromoform	12.01	173	32444	4.427	ug/L	90
62) 1,3-Dichlorobenzene	13.16	146	242539	4.607	ug/L	99
63) 1,4-Dichlorobenzene	13.24	146	262250	4.437	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	202509	4.637	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.14	75	6997	4.168	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	146034	4.245	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	78398	4.101	ug/L	98
69) Naphthalene	15.00	128	73209	4.072	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	59303	4.476	ug/L	98

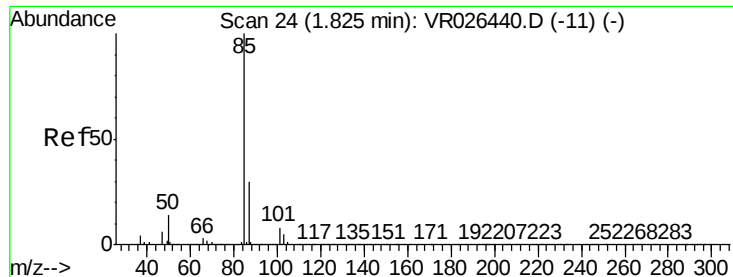
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.071 ug/L

RT: 1.83 min Scan# 25

Delta R.T. 0.01 min

Lab File: VR026454.D

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Instrument :

MSVOA_R

ClientSampleId :

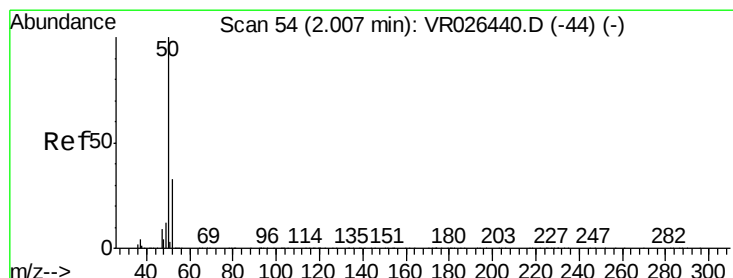
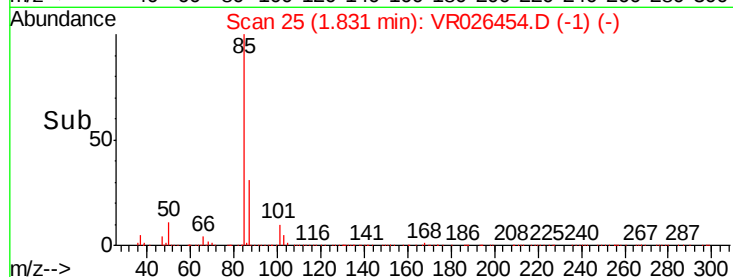
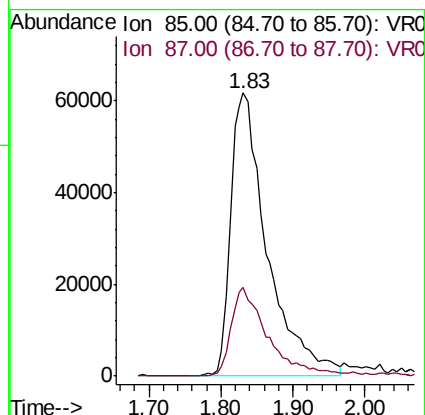
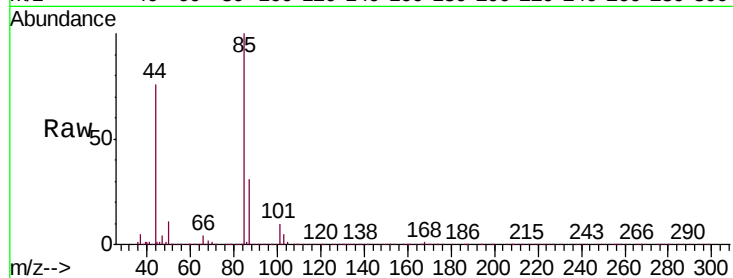
VSTD00597

Tgt Ion: 85 Resp: 216517

Ion Ratio Lower Upper

85 100

87 31.4 25.5 38.3



#3

Chloromethane

Concen: 4.467 ug/L

RT: 2.00 min Scan# 53

Delta R.T. -0.01 min

Lab File: VR026454.D

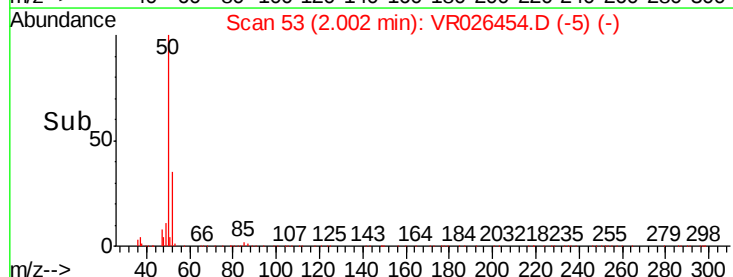
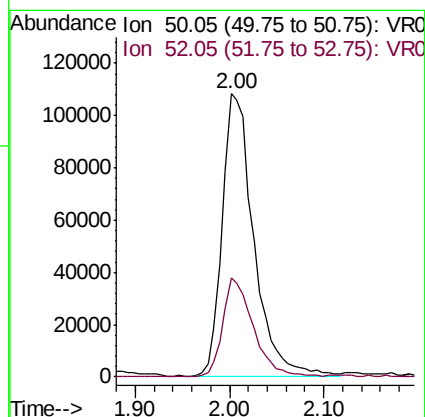
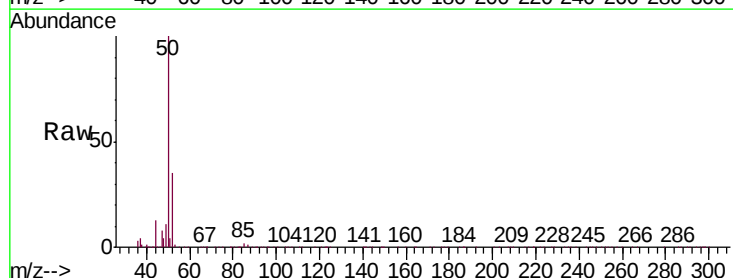
Acq: 5 Apr 2019 9:55

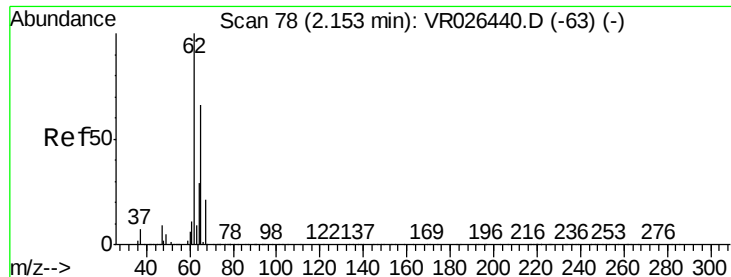
Tgt Ion: 50 Resp: 250593

Ion Ratio Lower Upper

50 100

52 34.9 22.5 41.9





#5

Vinyl chloride

Concen: 4.651 ug/L

RT: 2.15 min Scan# 78

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

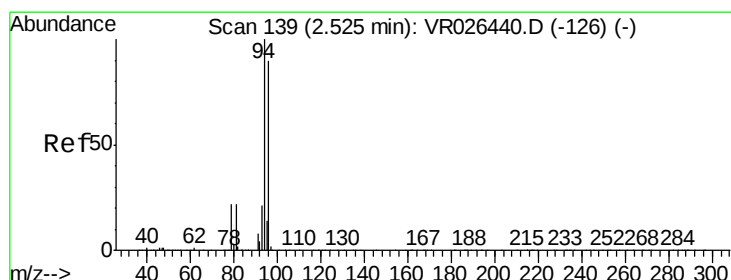
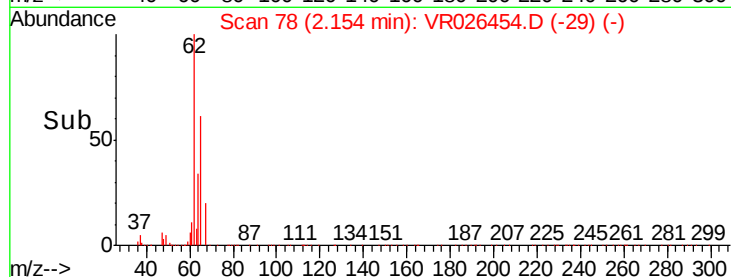
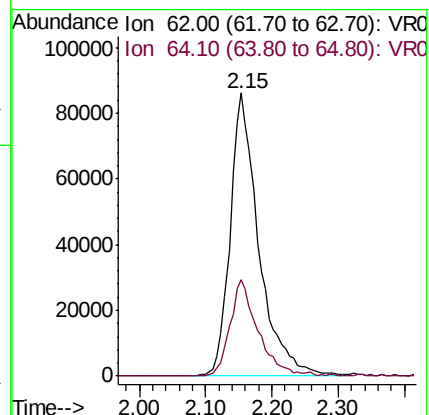
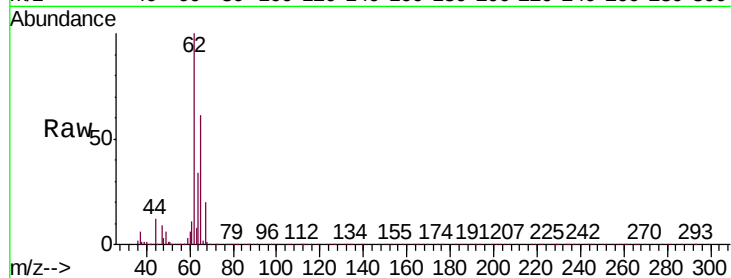
VSTD00597

Tgt Ion: 62 Resp: 256376

Ion Ratio Lower Upper

62 100

64 33.9 22.3 41.5



#6

Bromomethane

Concen: 4.399 ug/L

RT: 2.52 min Scan# 138

Delta R.T. -0.01 min

Lab File: VR026454.D

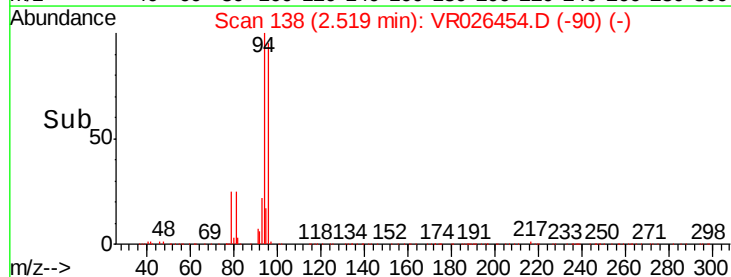
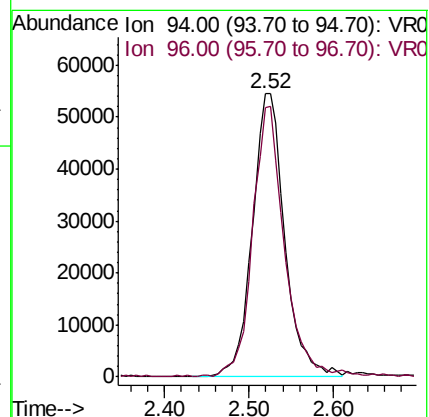
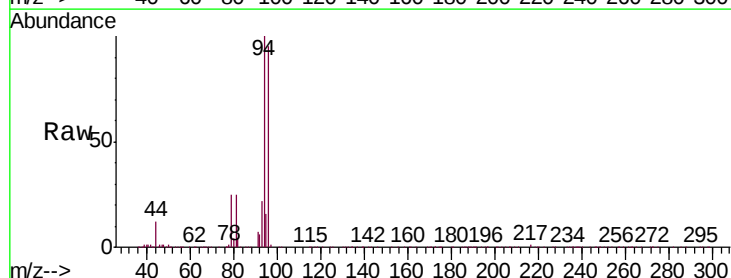
Acq: 5 Apr 2019 9:55

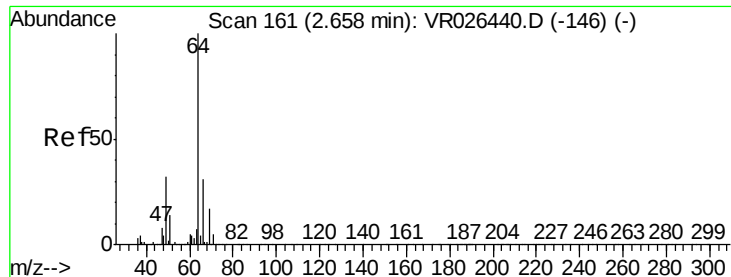
Tgt Ion: 94 Resp: 141800

Ion Ratio Lower Upper

94 100

96 95.2 69.1 128.3





#8

Chloroethane

Concen: 4.597 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

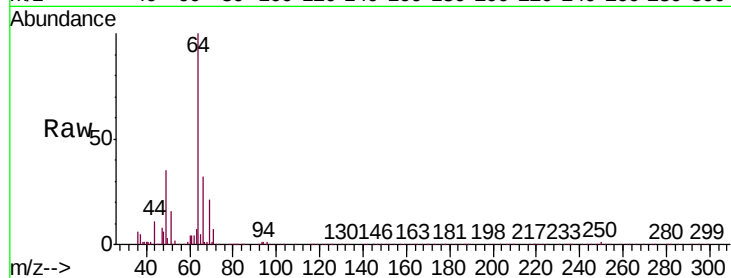
VSTD00597

Tgt Ion: 64 Resp: 143664

Ion Ratio Lower Upper

64 100

66 31.6 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0

2.66

60000

50000

40000

30000

20000

10000

0

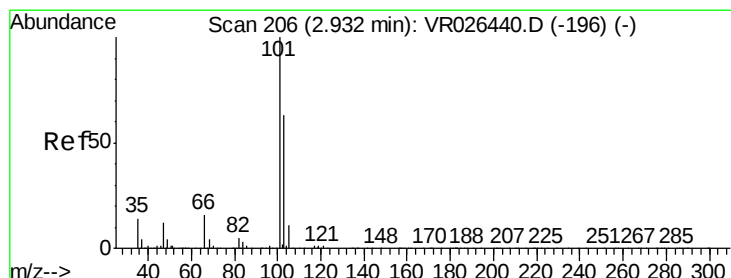
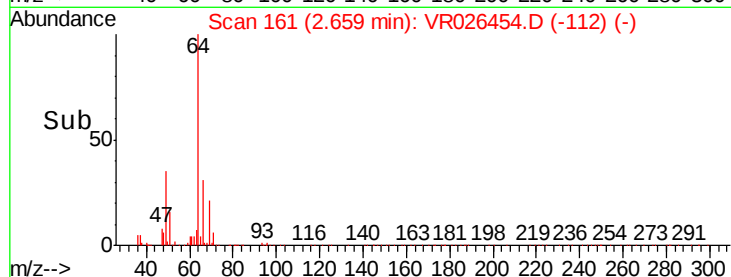
Time-->

2.50

2.60

2.70

2.80



#9

Trichlorofluoromethane

Concen: 2.199 ug/L

RT: 2.93 min Scan# 206

Delta R.T. 0.00 min

Lab File: VR026454.D

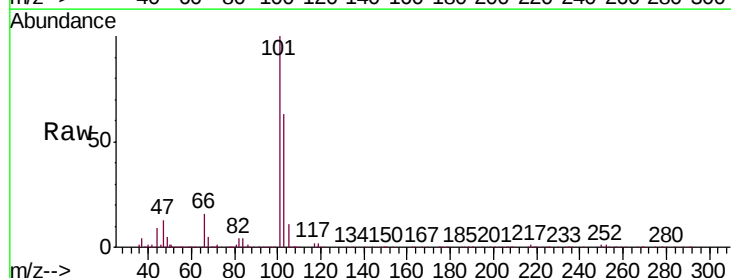
Acq: 5 Apr 2019 9:55

Tgt Ion: 101 Resp: 167791

Ion Ratio Lower Upper

101 100

103 71.9 48.2 72.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.93

60000

40000

20000

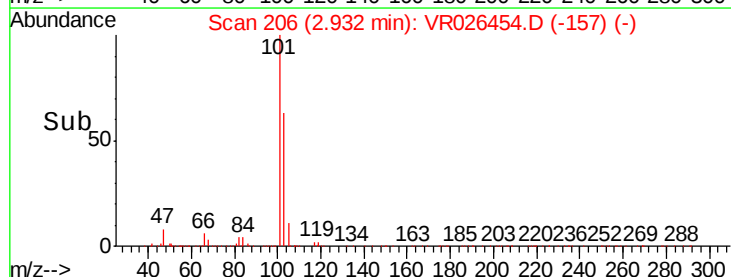
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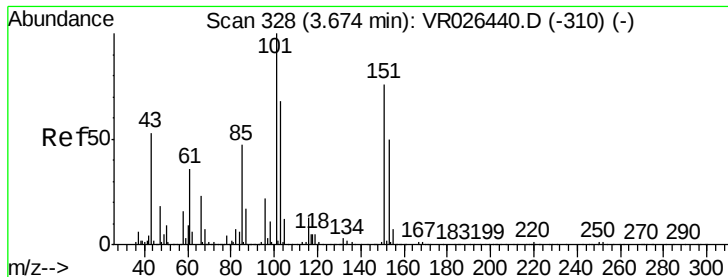
Time-->

2.85

2.90

2.95





#10

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

Concen: 4.506 ug/L

RT: 3.67 min Scan# 327

Delta R.T. -0.01 min

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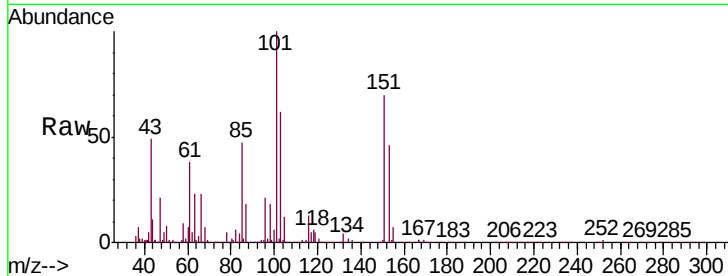
Tgt Ion: 101 Resp: 189718

Ion Ratio Lower Upper

101 100

85 48.5 39.2 58.8

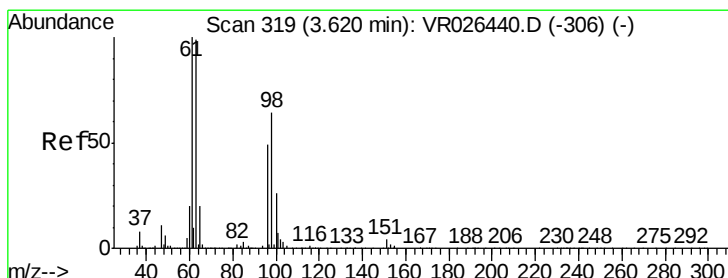
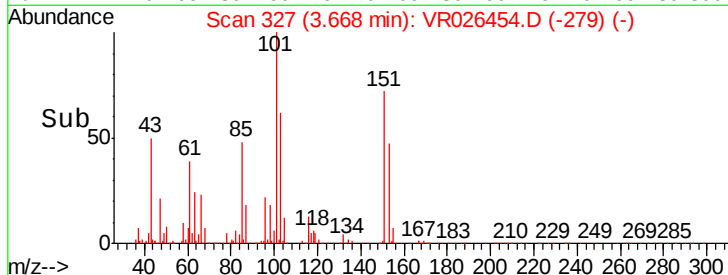
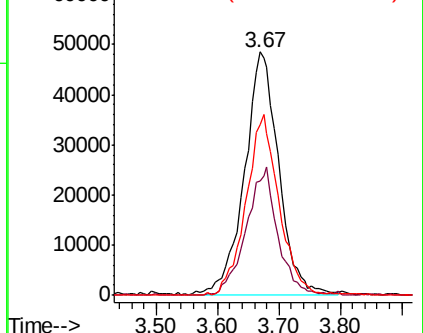
151 71.1 59.7 89.5



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: 4.794 ug/L

RT: 3.62 min Scan# 319

Delta R.T. 0.00 min

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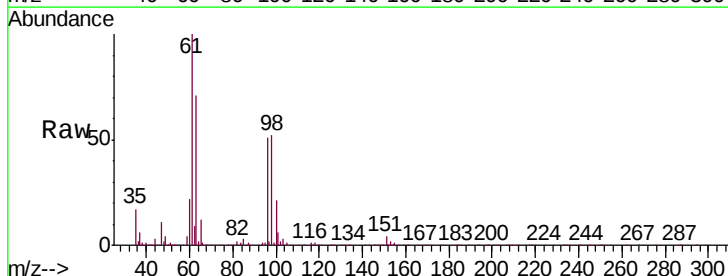
Tgt Ion: 96 Resp: 220614

Ion Ratio Lower Upper

96 100

61 195.1 142.7 264.9

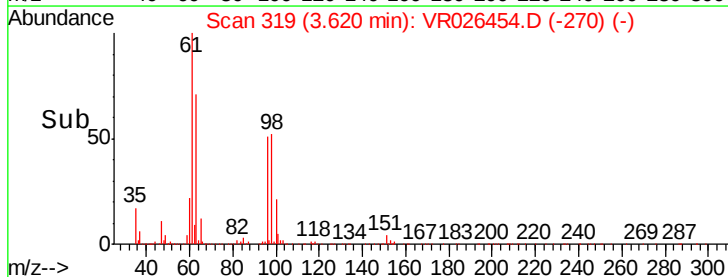
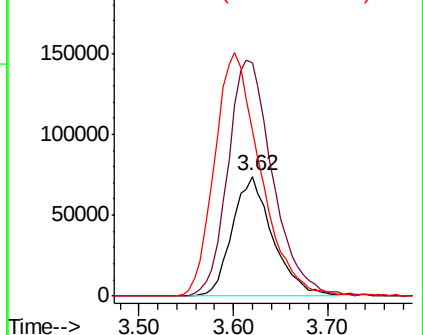
63 137.9 116.9 217.1

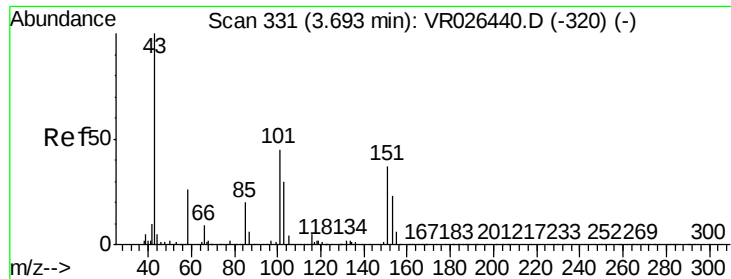


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 43.246 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

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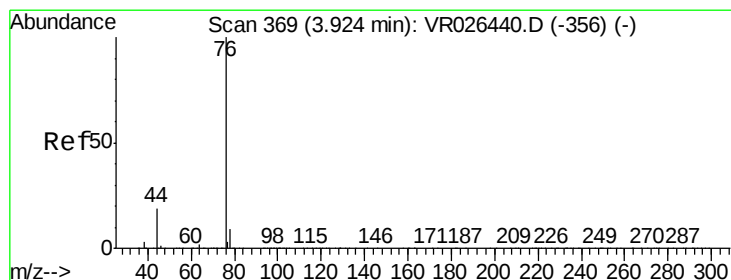
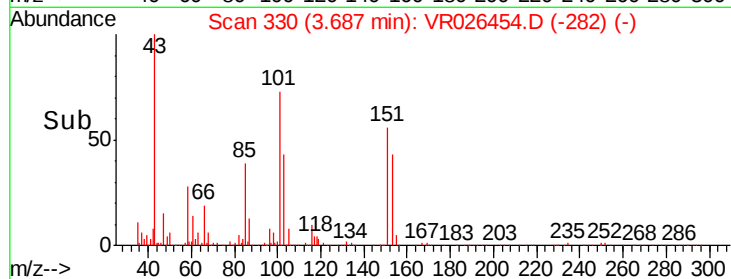
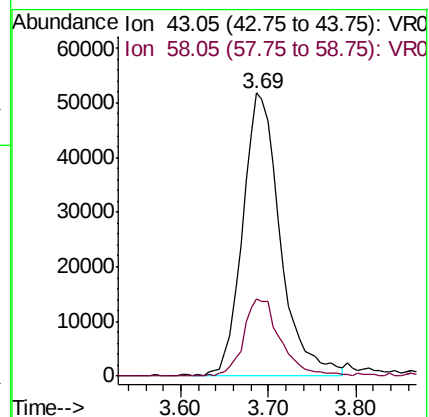
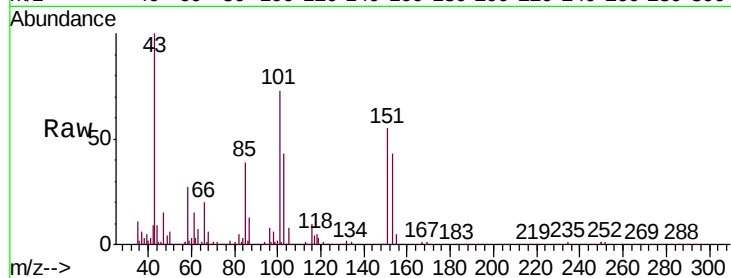
VSTD00597

Tgt Ion: 43 Resp: 153636

Ion Ratio Lower Upper

43 100

58 26.9 0.0 53.8



#14

Carbon disulfide

Concen: 4.869 ug/L

RT: 3.92 min Scan# 369

Delta R.T. 0.00 min

Lab File: VR026454.D

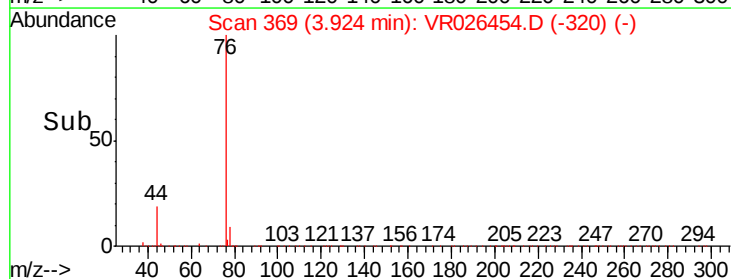
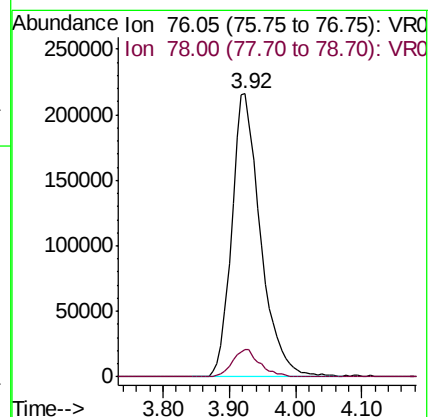
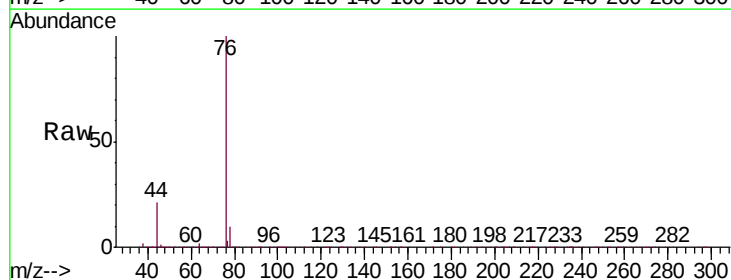
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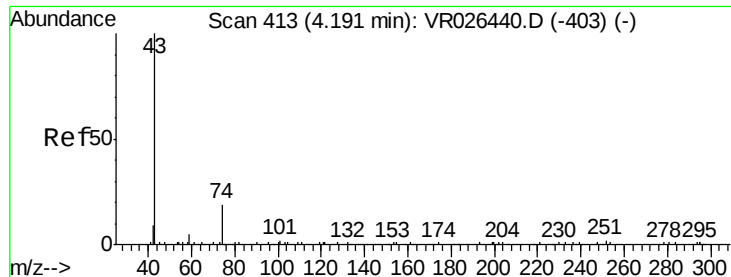
Tgt Ion: 76 Resp: 650400

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





#15

Methyl Acetate

Concen: 4.241 ug/L

RT: 4.18 min Scan# 411

Delta R.T. -0.01 min

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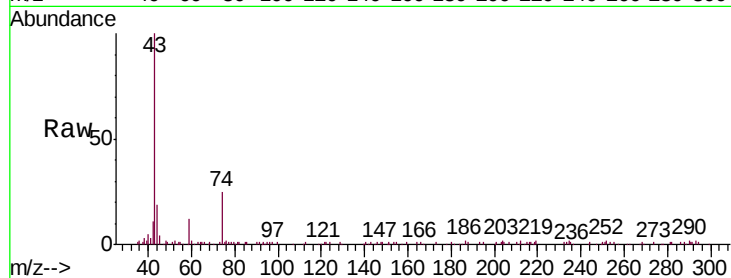
VSTD00597

Tgt Ion: 43 Resp: 40656

Ion Ratio Lower Upper

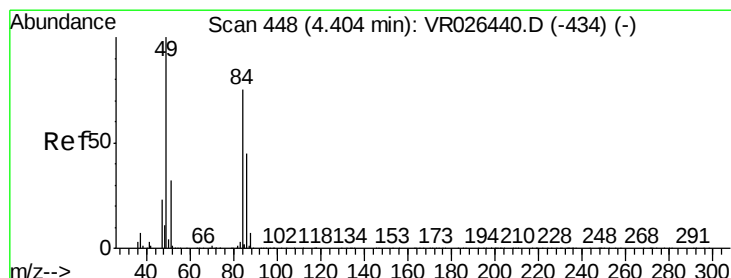
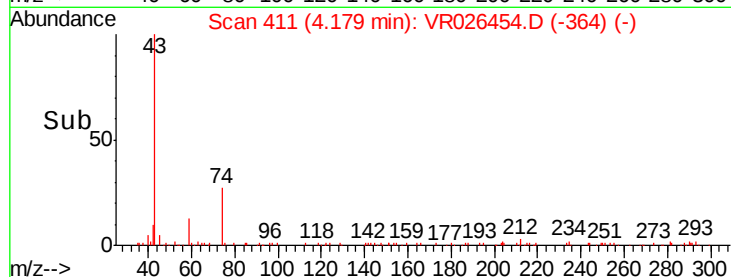
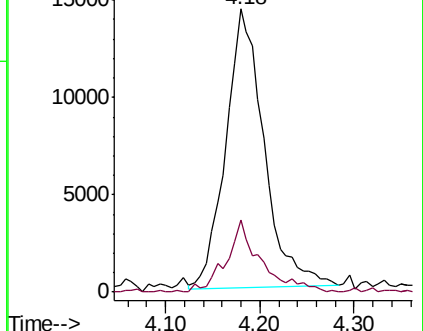
43 100

74 21.2 17.5 26.3



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0



#16

Methylene chloride

Concen: 4.373 ug/L

RT: 4.40 min Scan# 447

Delta R.T. -0.01 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

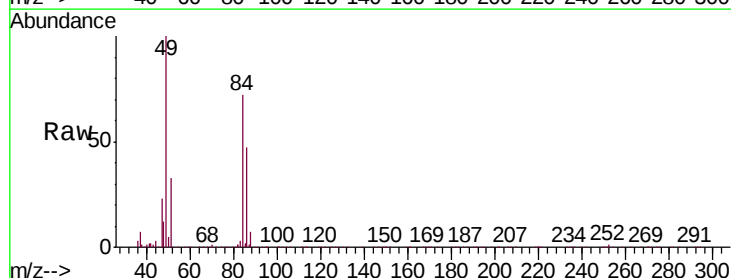
Tgt Ion: 84 Resp: 178945

Ion Ratio Lower Upper

84 100

86 65.1 45.6 84.6

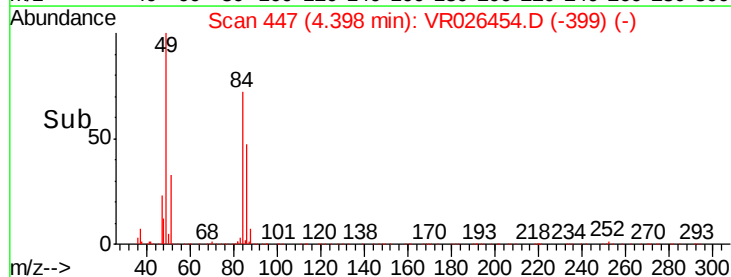
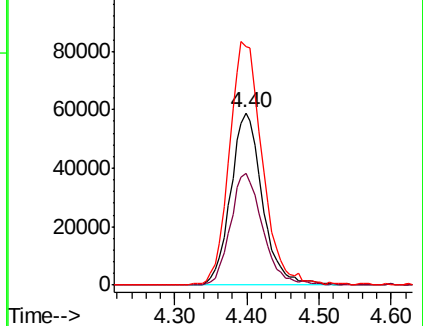
49 138.1 106.5 197.9

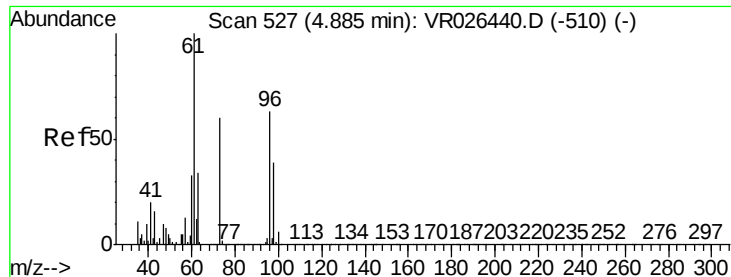


Abundance Ion 84.05 (83.75 to 84.75): VR0

Ion 86.00 (85.70 to 86.70): VR0

Ion 49.10 (48.80 to 49.80): VR0



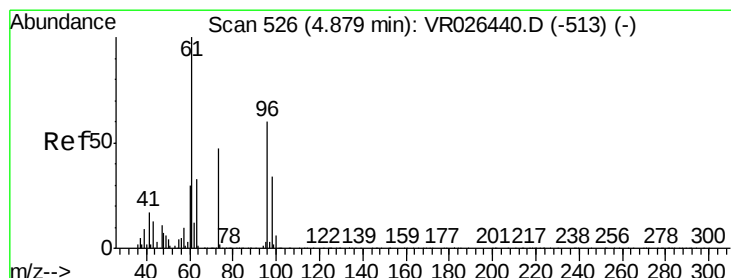
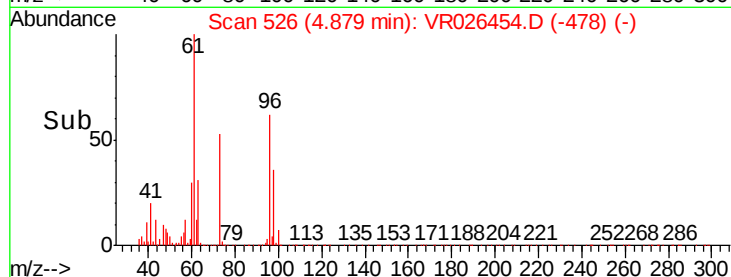
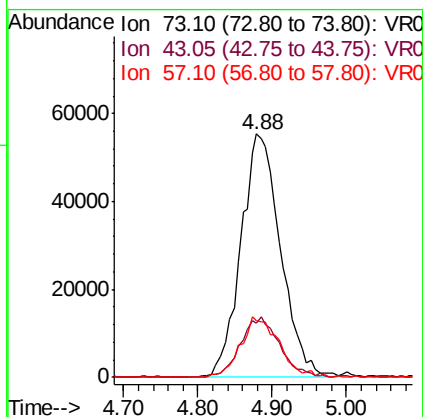
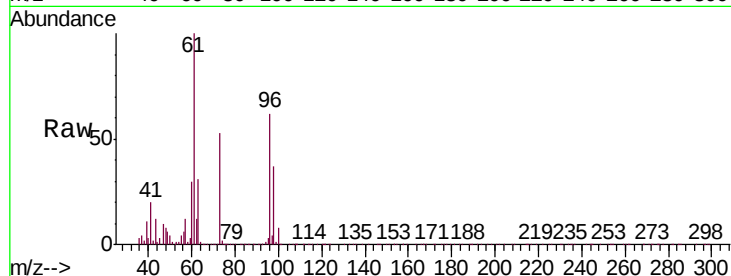


#17

Methyl tert-butyl Ether
 Concen: 3.948 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

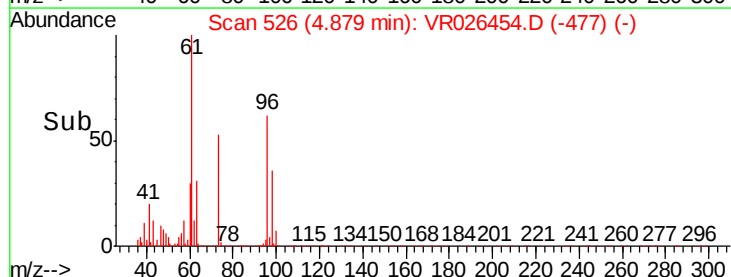
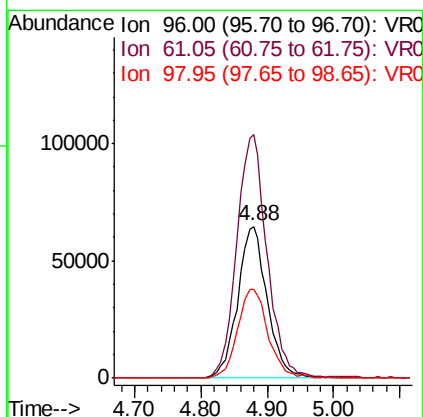
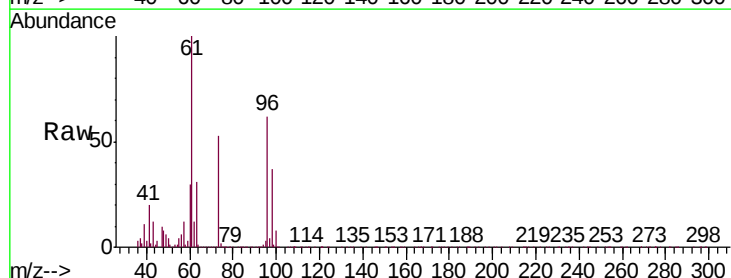
Tgt Ion	Ratio	Lower	Upper
73	100		
43	24.1	19.8	29.8
57	24.3	18.9	28.3

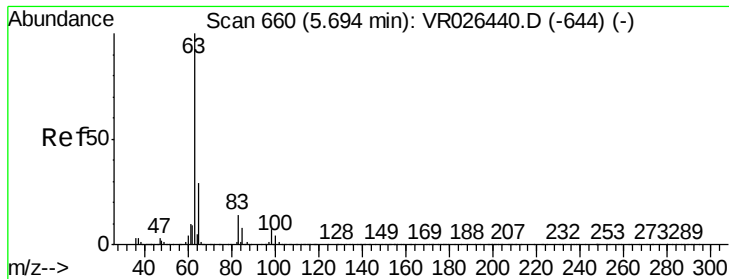


#18

trans-1,2-Dichloroethene
 Concen: 4.622 ug/L
 RT: 4.88 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.4	122.9	228.3
98	58.6	45.2	84.0





#19

1,1-Dichloroethane

Concen: 4.592 ug/L

RT: 5.68 min Scan# 658

Delta R.T. -0.01 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

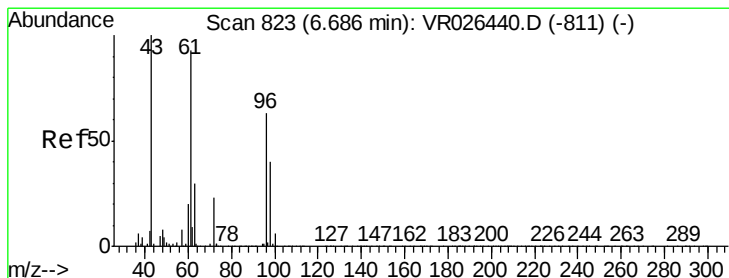
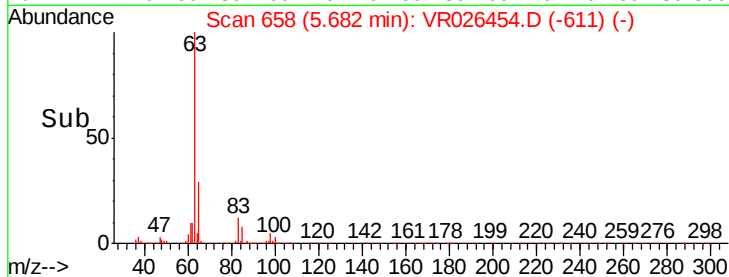
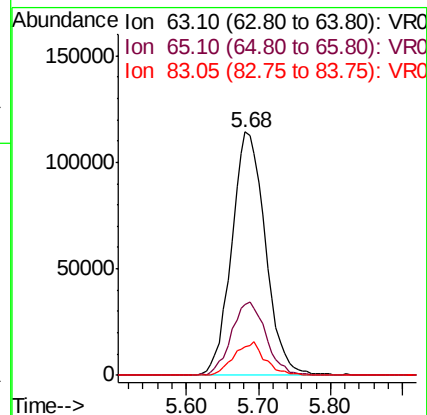
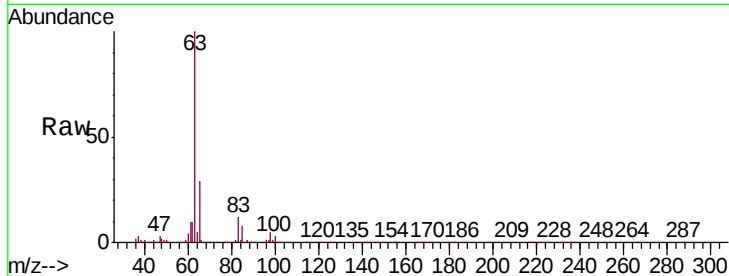
Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

Tgt Ion:	63	Resp:	370546
Ion	Ratio	Lower	Upper
63	100		
65	28.8	22.0	40.8
83	11.8	8.2	15.2



#21

2-Butanone

Concen: 47.747 ug/L

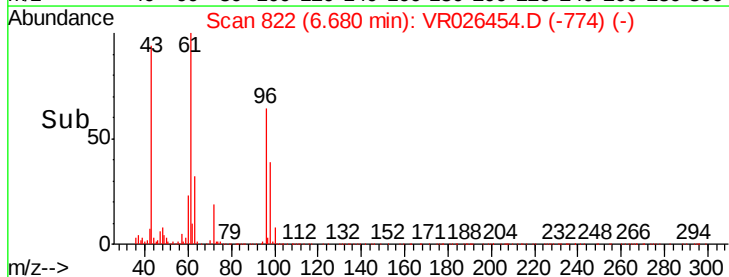
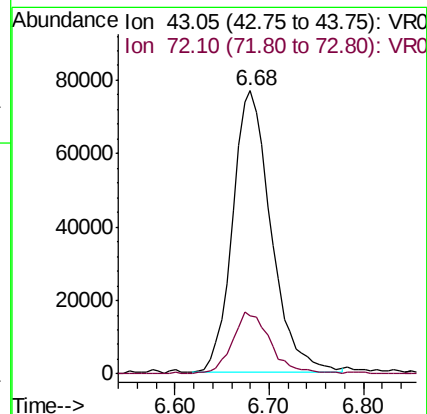
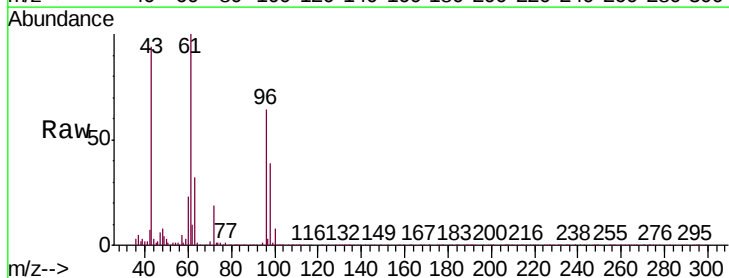
RT: 6.68 min Scan# 822

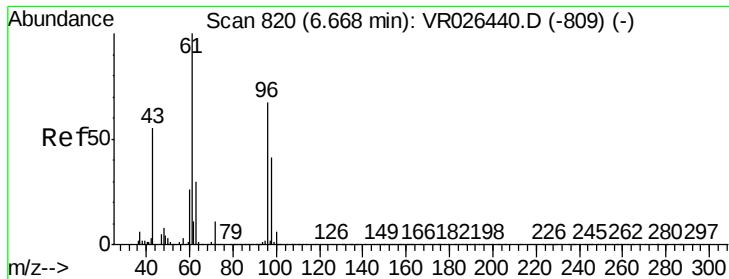
Delta R.T. -0.01 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Tgt Ion:	43	Resp:	218091
Ion	Ratio	Lower	Upper
43	100		
72	22.0	11.1	33.3



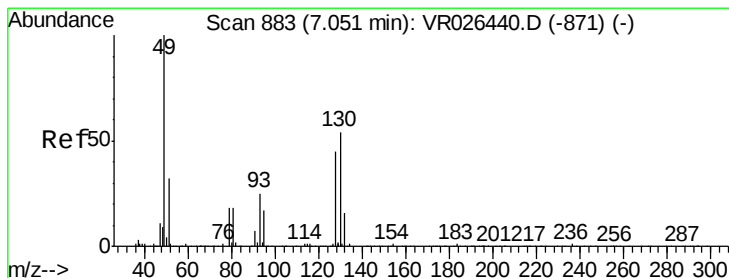
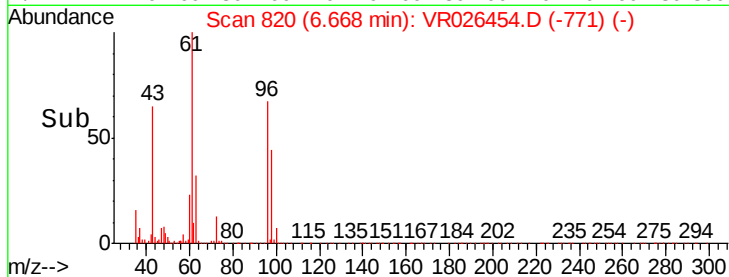
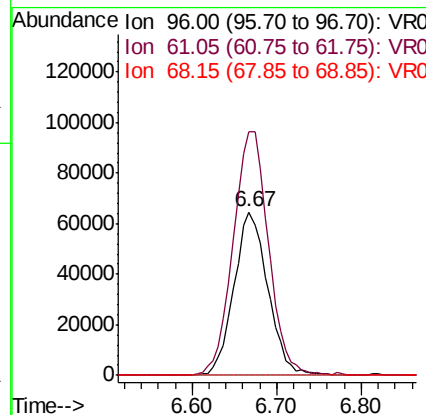
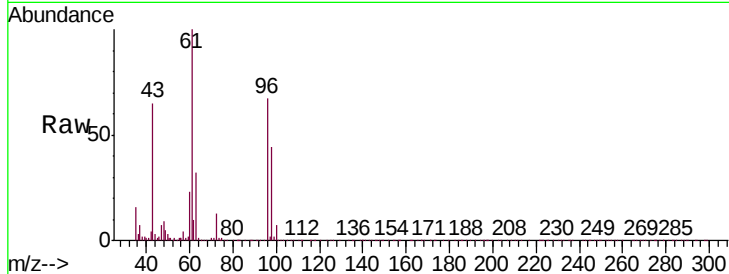


#22

cis-1,2-Dichloroethene
 Concen: 4.837 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

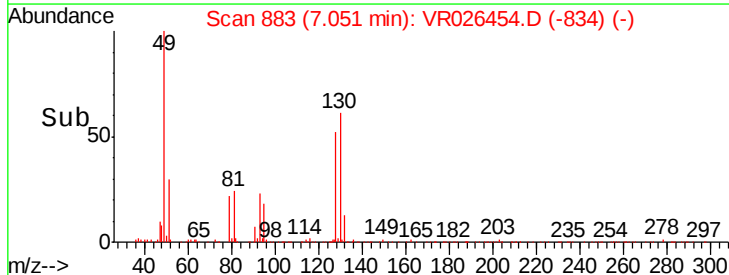
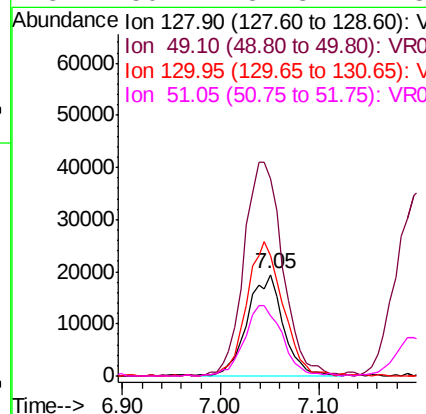
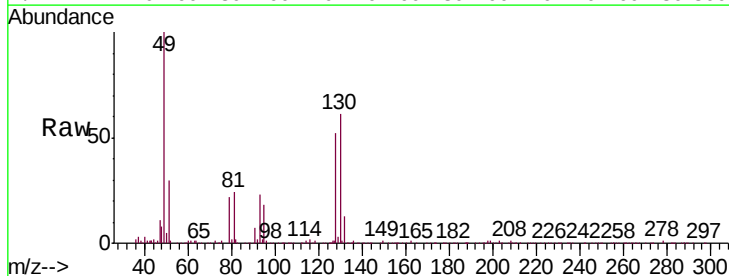
Tgt Ion: 96 Resp: 174711
 Ion Ratio Lower Upper
 96 100
 61 148.8 115.0 213.6
 68 0.0 0.0 0.0

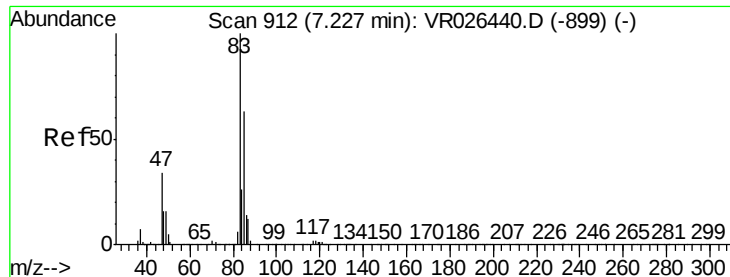


#23

Bromochloromethane
 Concen: 4.391 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion: 128 Resp: 49413
 Ion Ratio Lower Upper
 128 100
 49 193.8 158.3 293.9
 130 118.4 90.0 167.2
 51 59.1 51.8 77.8





#25

Chloroform

Concen: 4.614 ug/L

RT: 7.22 min Scan# 911

Delta R.T. -0.01 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

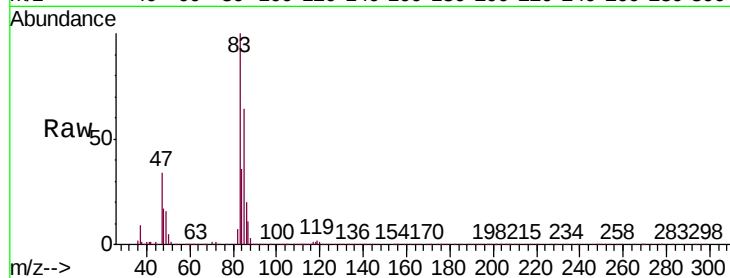
VSTD00597

Tgt Ion: 83 Resp: 356205

Ion Ratio Lower Upper

83 100

85 64.0 44.2 82.0



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.22

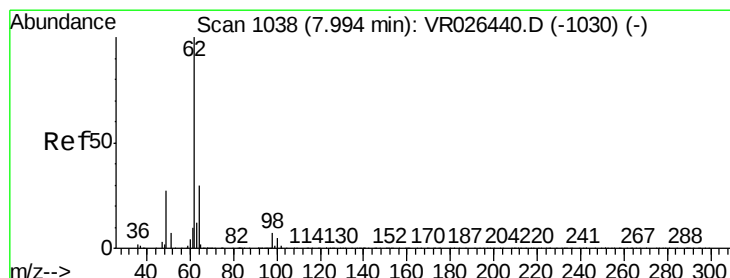
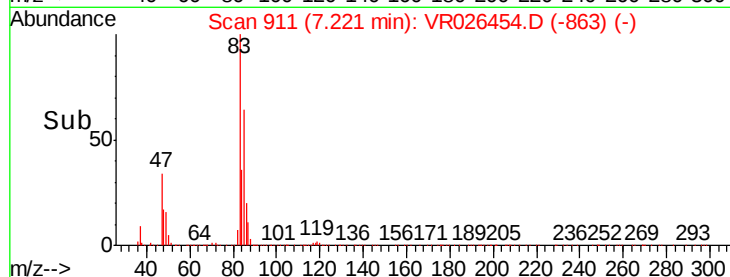
150000

100000

50000

0

Time--> 7.10 7.20 7.30



#27

1,2-Dichloroethane

Concen: 4.637 ug/L

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026454.D

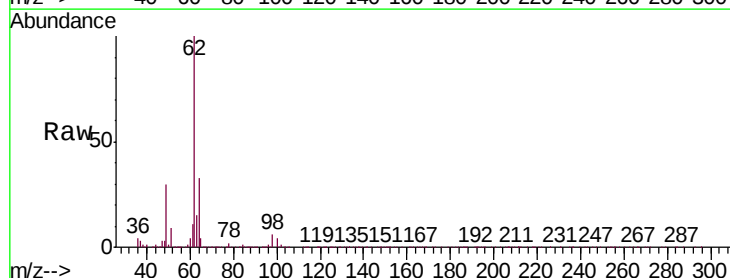
Acq: 5 Apr 2019 9:55

Tgt Ion: 62 Resp: 178541

Ion Ratio Lower Upper

62 100

98 6.2 4.8 7.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

7.99

80000

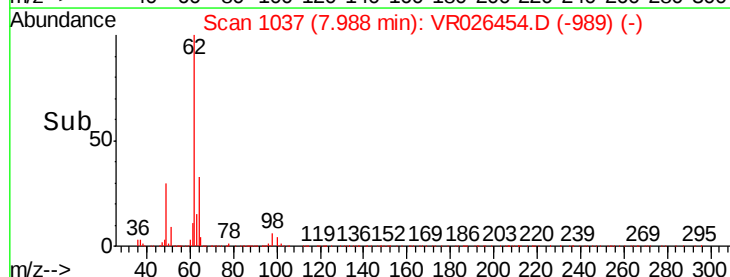
60000

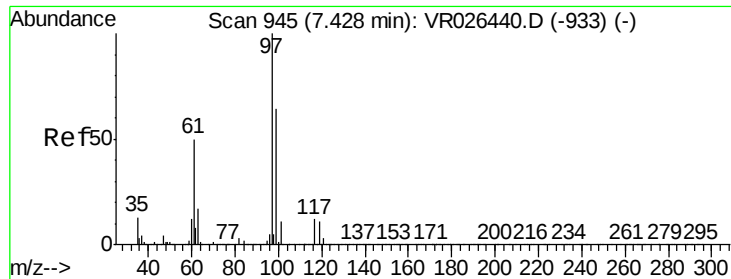
40000

20000

0

Time--> 7.90 8.00 8.10

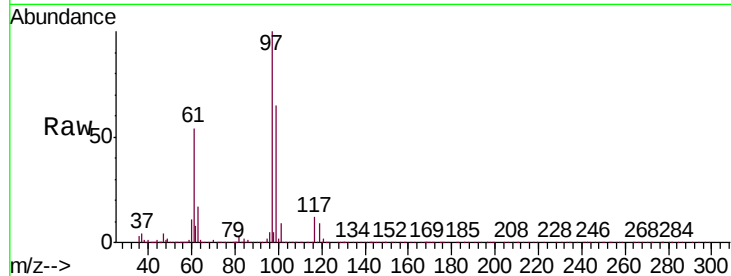




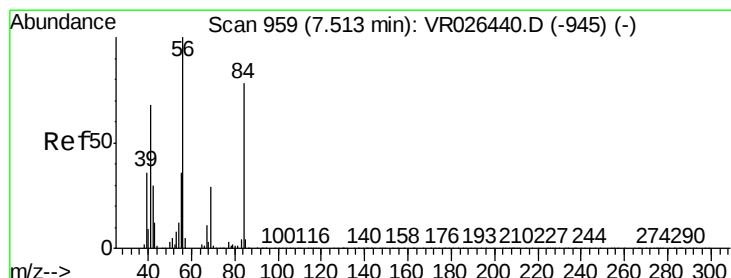
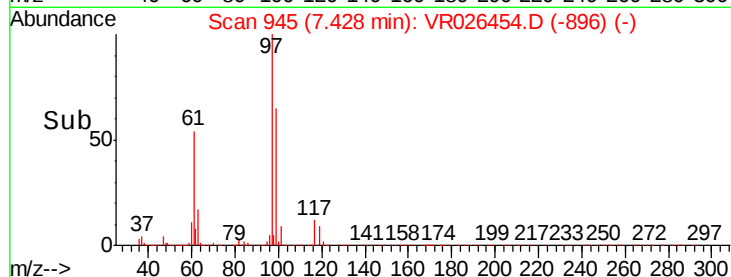
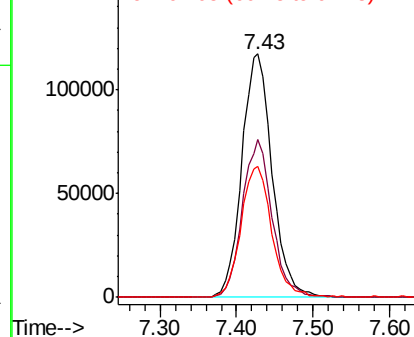
#29
 1,1,1-Trichloroethane
 Concen: 4.460 ug/L
 RT: 7.43 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleID :
 VSTD00597

Tgt Ion:	97	Resp:	320806
Ion	Ratio	Lower	Upper
97	100		
99	63.6	49.6	74.4
61	55.1	41.8	62.6

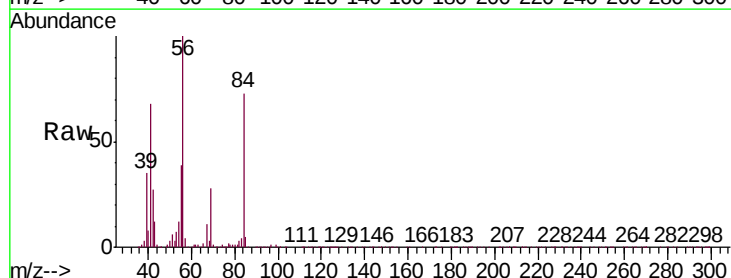


Abundance Ion 96.95 (96.65 to 97.65): VR0
 Ion 99.05 (98.75 to 99.75): VR0
 Ion 61.05 (60.75 to 61.75): VR0

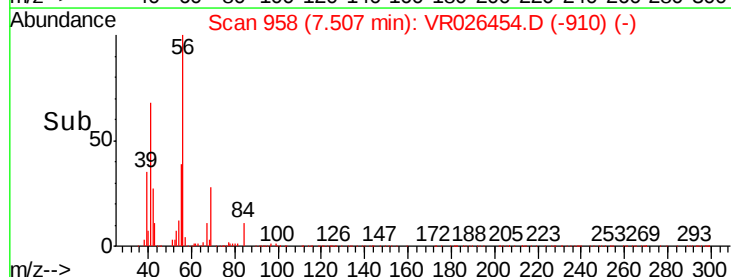
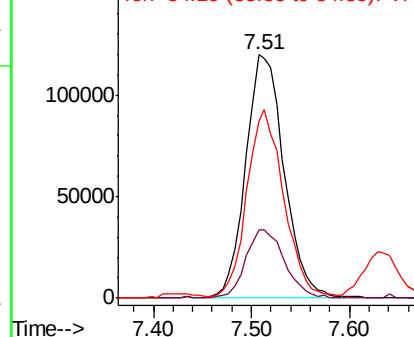


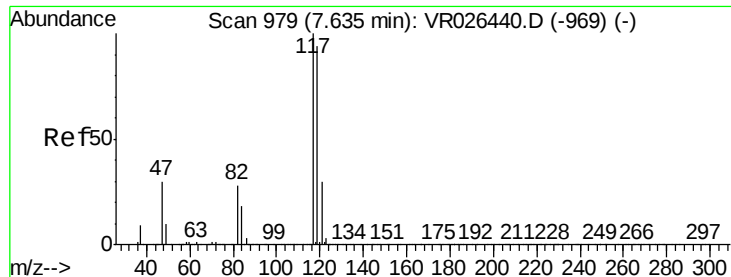
#30
 Cyclohexane
 Concen: 4.880 ug/L
 RT: 7.51 min Scan# 958
 Delta R.T. -0.01 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion:	56	Resp:	326140
Ion	Ratio	Lower	Upper
56	100		
69	28.5	22.6	33.8
84	74.9	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

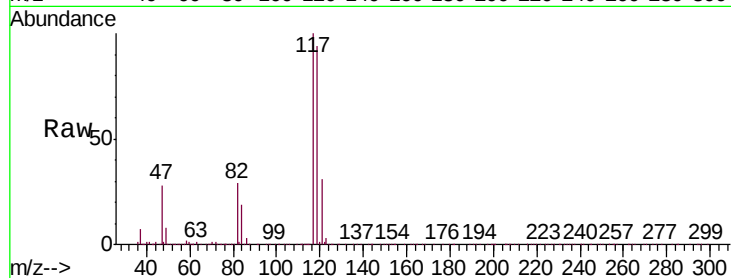




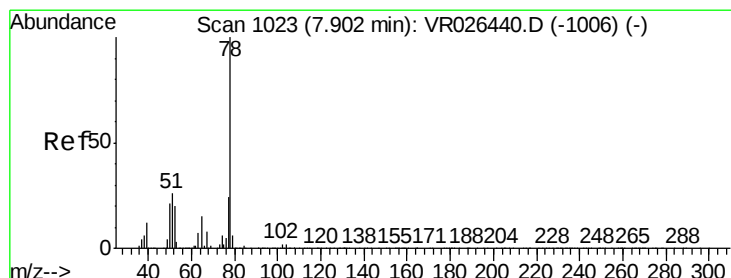
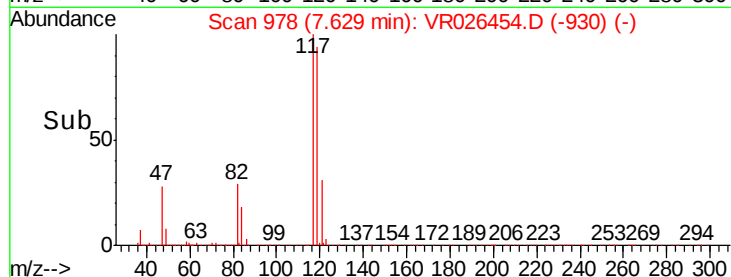
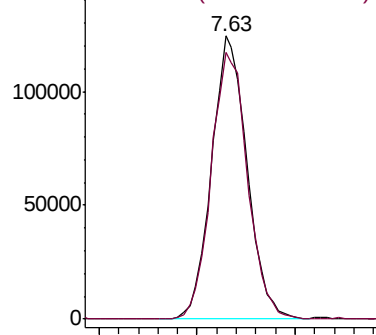
#31
Carbon tetrachloride
Concen: 4.572 ug/L
RT: 7.63 min Scan# 978
Delta R.T. -0.01 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

Instrument :
MSVOA_R
ClientSampled :
VSTD00597

Tgt Ion:117 Resp: 311585
Ion Ratio Lower Upper
117 100
119 96.9 75.9 113.9

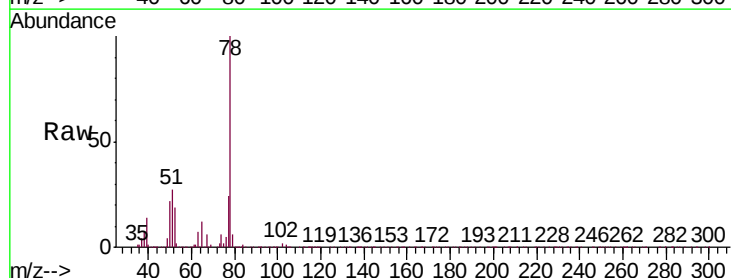


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V

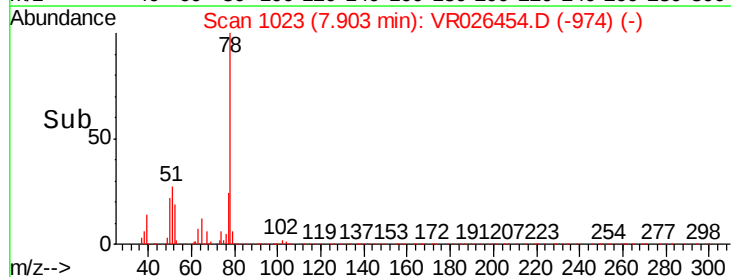
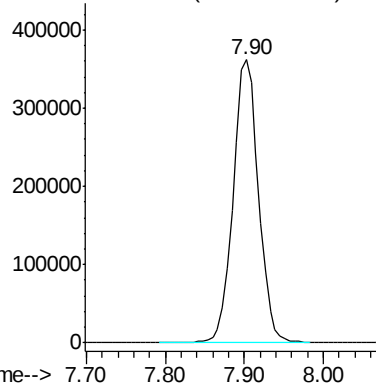


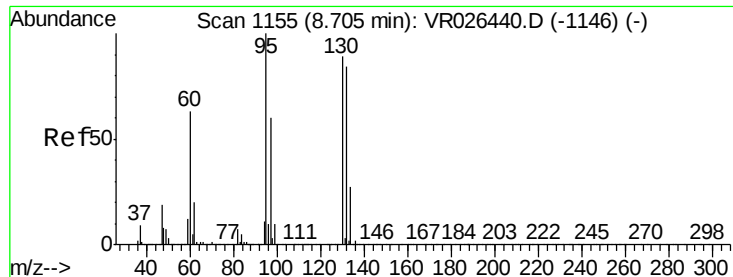
#33
Benzene
Concen: 4.740 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

Tgt Ion: 78 Resp: 807293



Abundance Ion 78.10 (77.80 to 78.80): VR0

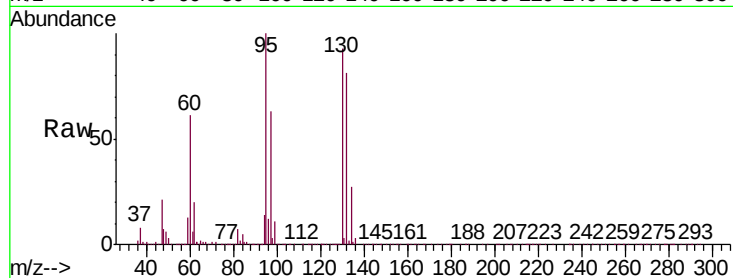




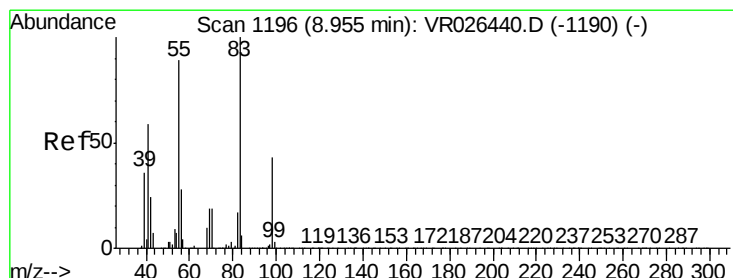
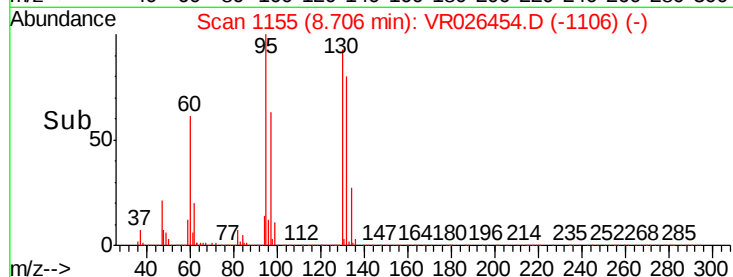
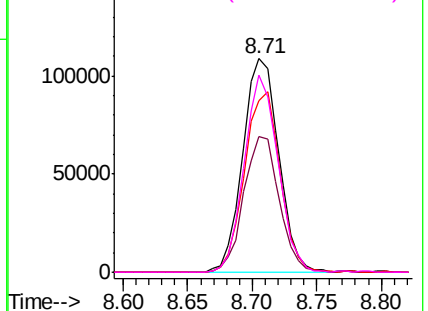
#34
 Trichloroethene
 Concen: 4.563 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion:	95	Resp:	208176
Ion	Ratio	Lower	Upper
95	100		
97	63.4	43.8	81.3
132	80.5	57.2	106.2
130	92.6	59.7	110.9

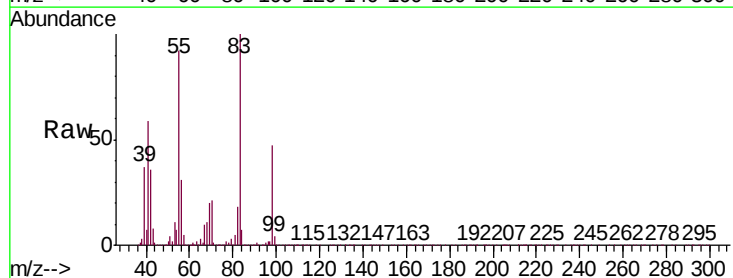


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

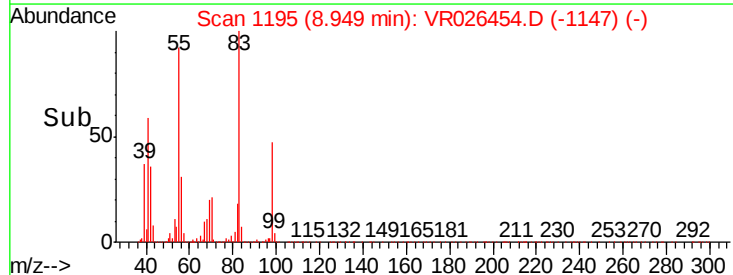
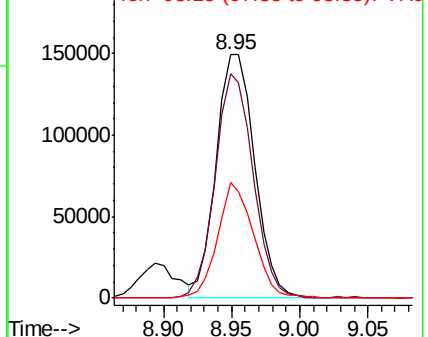


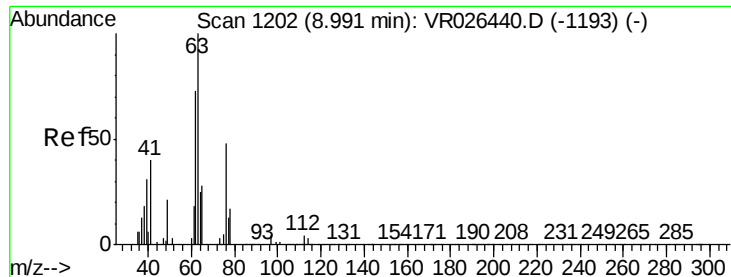
#35
 Methylcyclohexane
 Concen: 4.532 ug/L
 RT: 8.95 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion:	83	Resp:	294851
Ion	Ratio	Lower	Upper
83	100		
55	90.6	73.8	110.6
98	44.5	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: 4.584 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

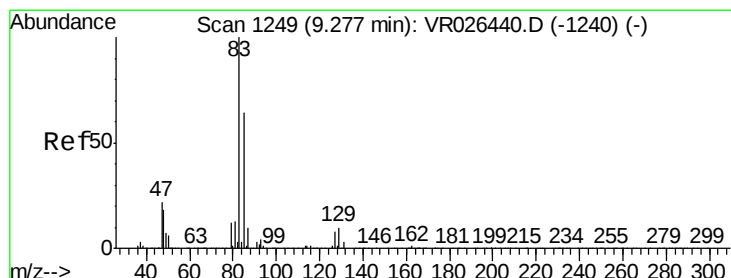
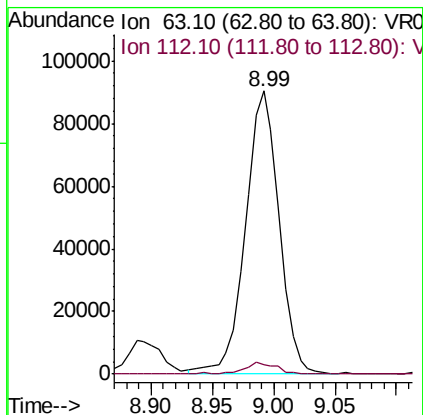
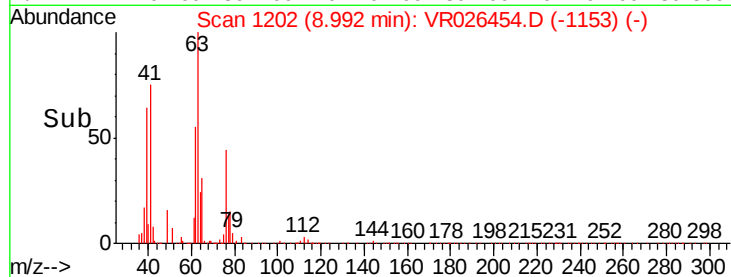
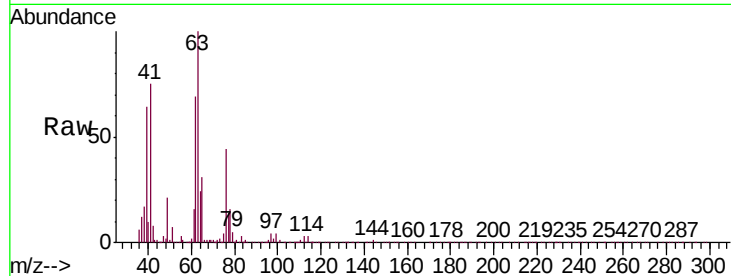
VSTD00597

Tgt Ion: 63 Resp: 171083

Ion Ratio Lower Upper

63 100

112 4.1 2.8 4.2



#38

Bromodichloromethane

Concen: 4.589 ug/L

RT: 9.28 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

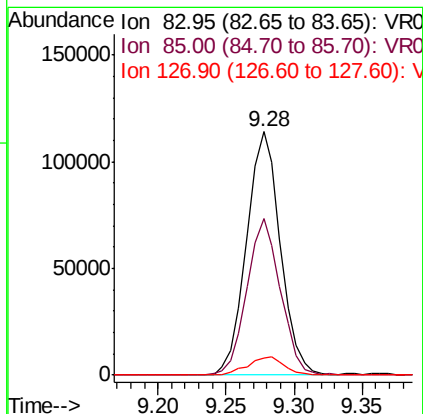
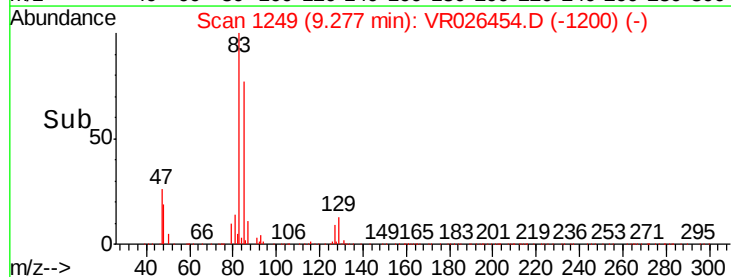
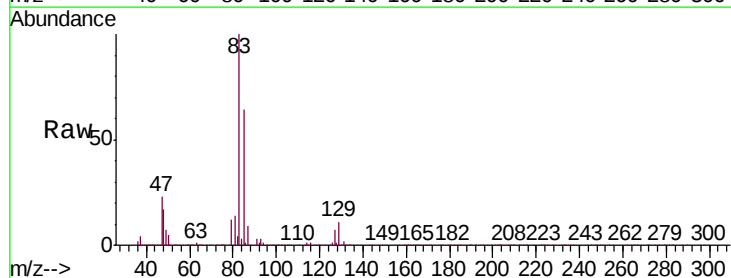
Tgt Ion: 83 Resp: 197914

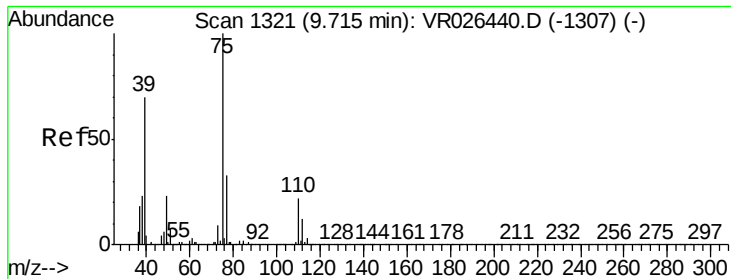
Ion Ratio Lower Upper

83 100

85 64.2 46.6 86.6

127 7.2 5.6 8.4



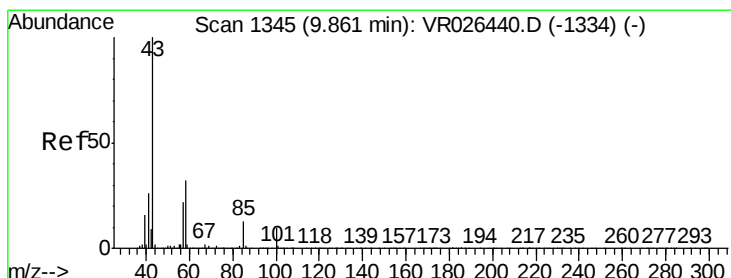
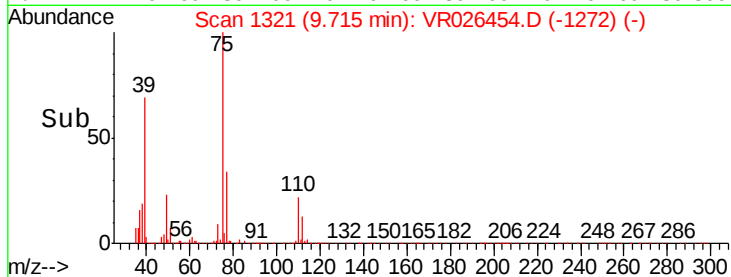
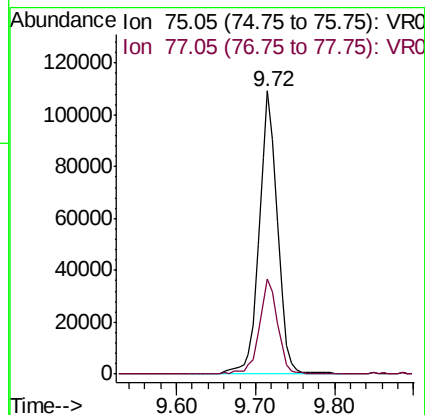
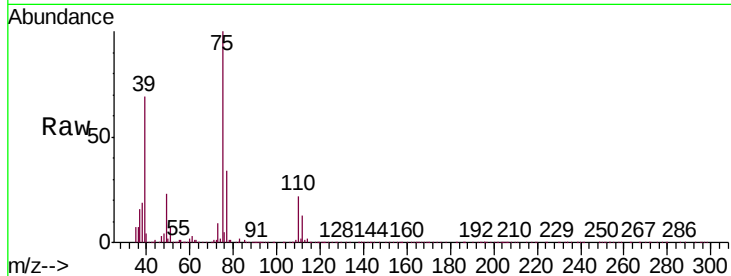


#39

cis-1,3-Dichloropropene
 Concen: 4.339 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

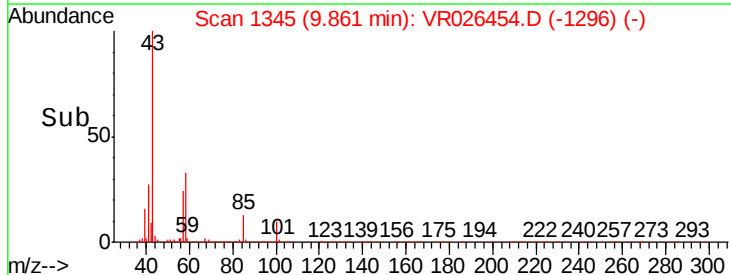
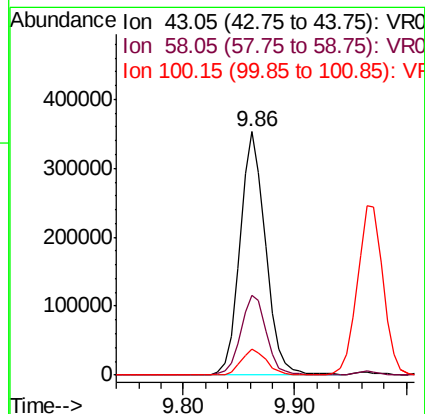
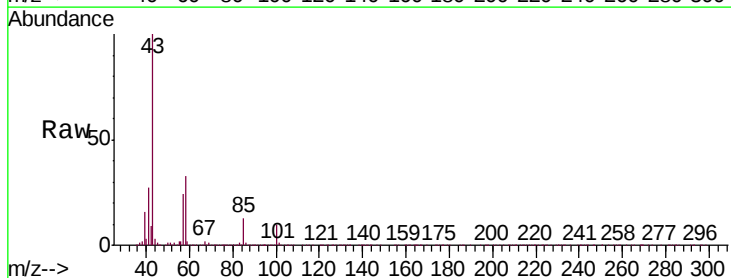
Tgt Ion: 75 Resp: 175800
 Ion Ratio Lower Upper
 75 100
 77 33.7 22.3 41.5

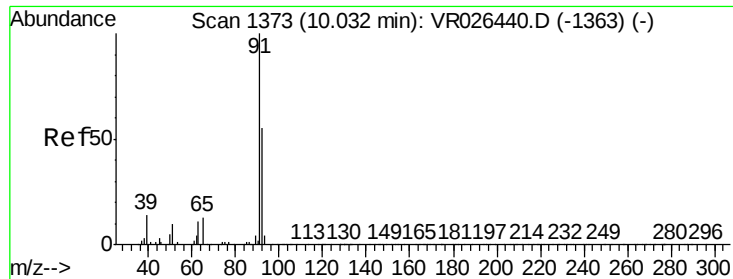


#40

4-Methyl-2-pentanone
 Concen: 50.998 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion: 43 Resp: 557739
 Ion Ratio Lower Upper
 43 100
 58 32.9 27.0 40.4
 100 10.3 8.9 13.3





#42

Toluene

Concen: 4.911 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

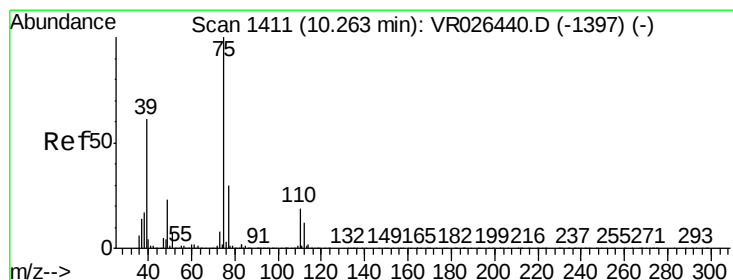
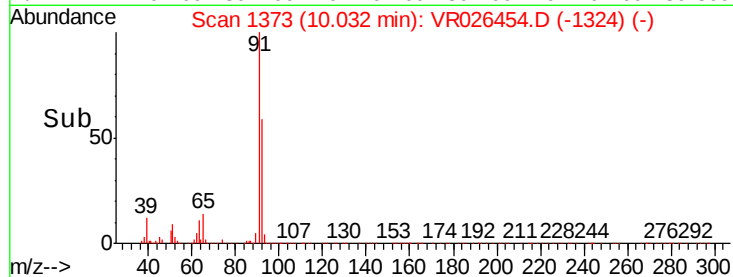
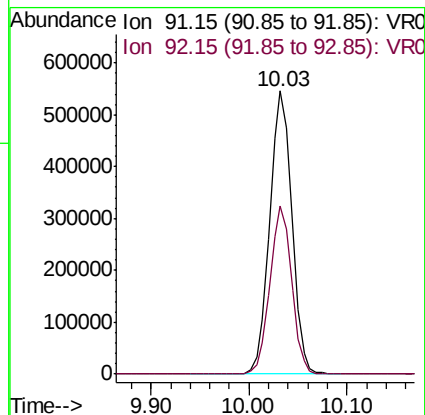
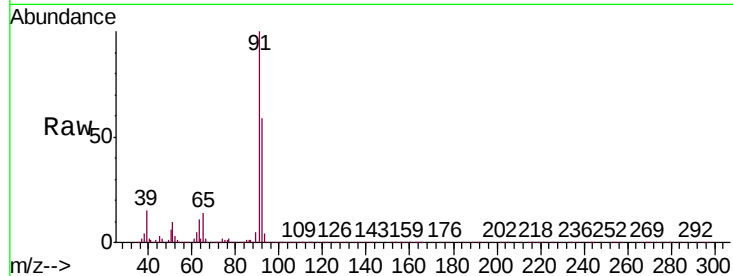
VSTD00597

Tgt Ion: 91 Resp: 857179

Ion Ratio Lower Upper

91 100

92 59.3 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.157 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026454.D

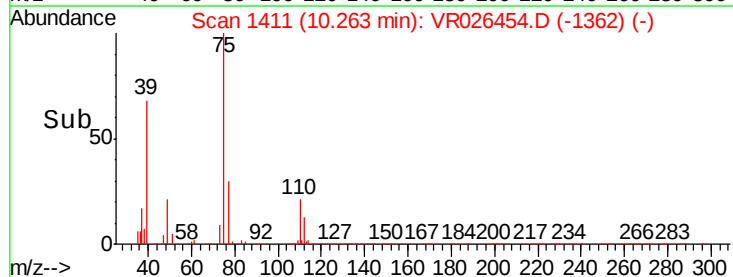
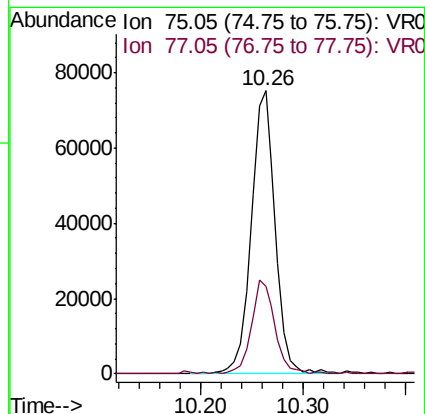
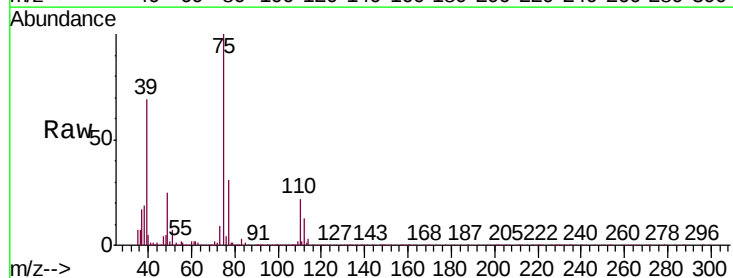
Acq: 5 Apr 2019 9:55

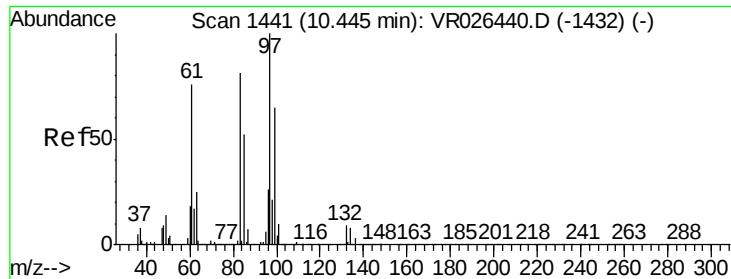
Tgt Ion: 75 Resp: 122850

Ion Ratio Lower Upper

75 100

77 30.8 22.7 42.1

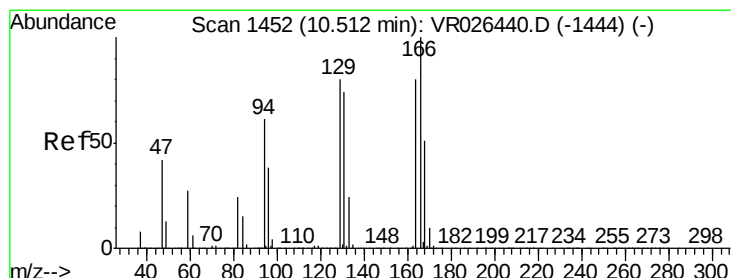
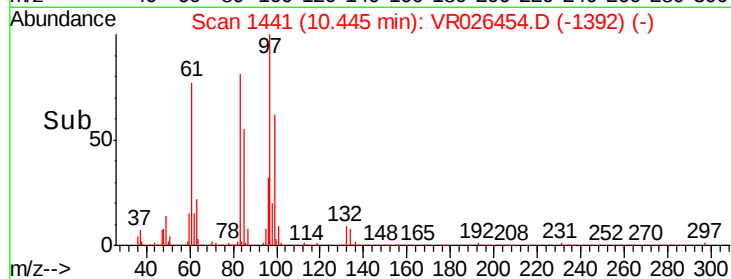
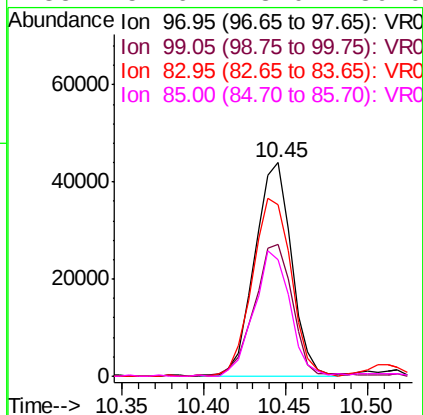
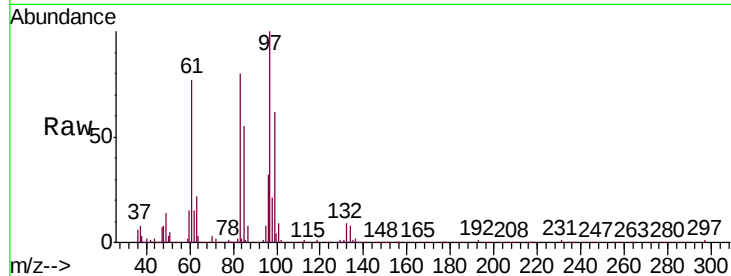




#45
 1,1,2-Trichloroethane
 Concen: 4.562 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

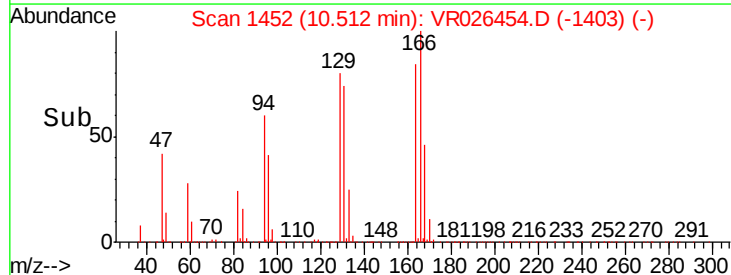
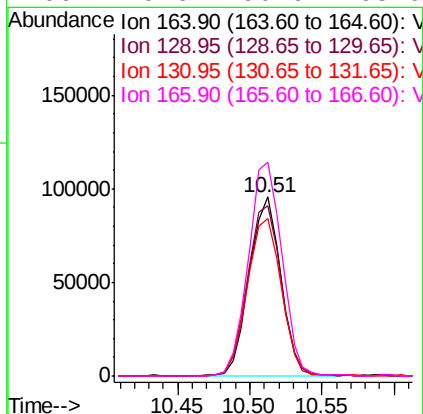
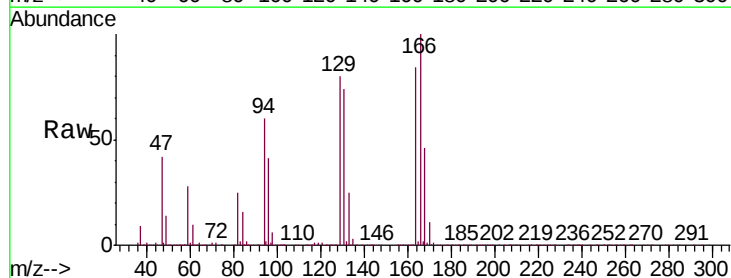
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

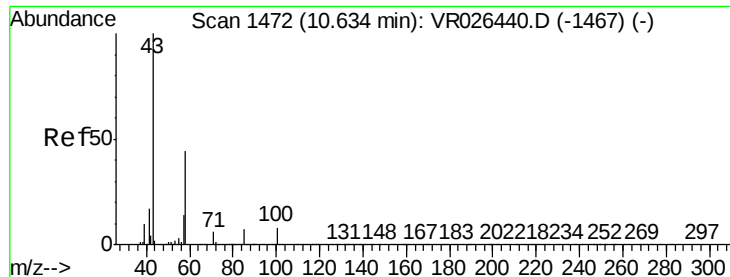
Tgt Ion:	97	Resp:	68872
Ion	Ratio	Lower	Upper
97	100		
99	61.8	41.7	77.5
83	80.2	59.5	110.5
85	54.6	43.0	80.0



#47
 Tetrachloroethene
 Concen: 4.448 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion:	164	Resp:	144402
Ion	Ratio	Lower	Upper
164	100		
129	95.6	74.1	137.5
131	88.4	71.3	132.5
166	119.6	90.9	168.9

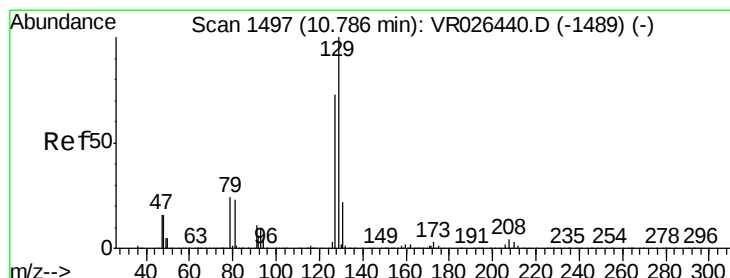
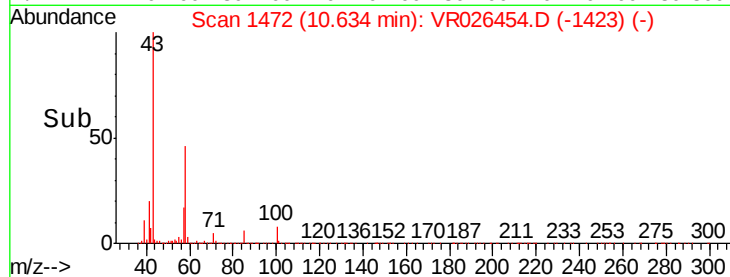
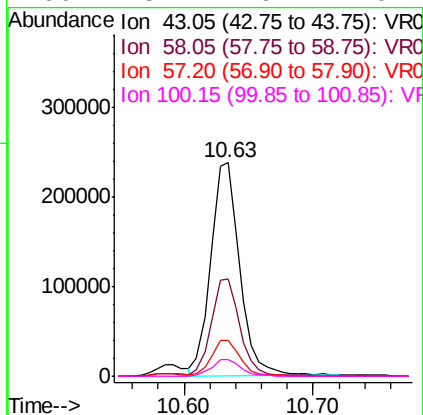
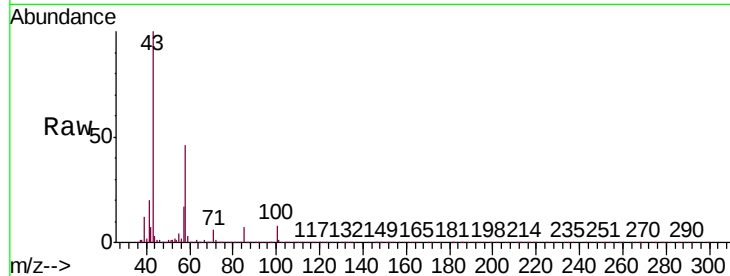




#48
2-Hexanone
Concen: 51.701 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. 0.00 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

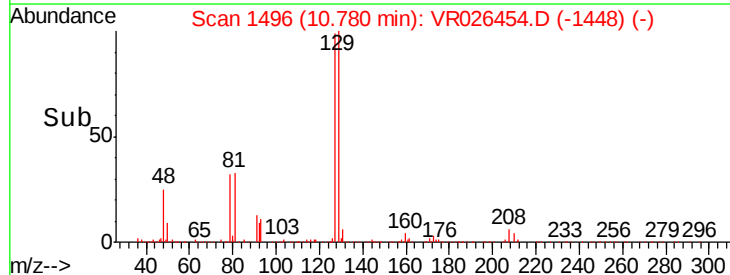
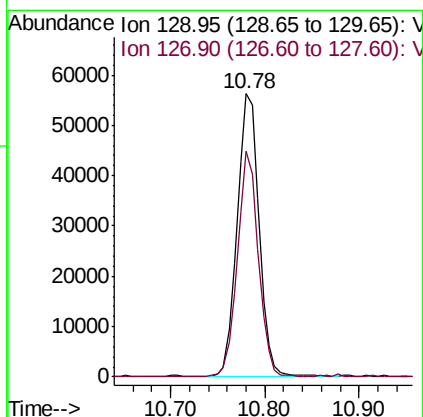
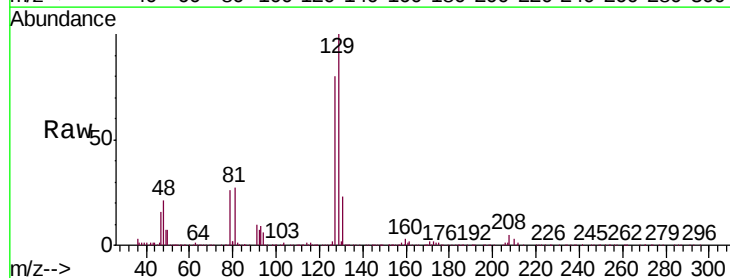
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

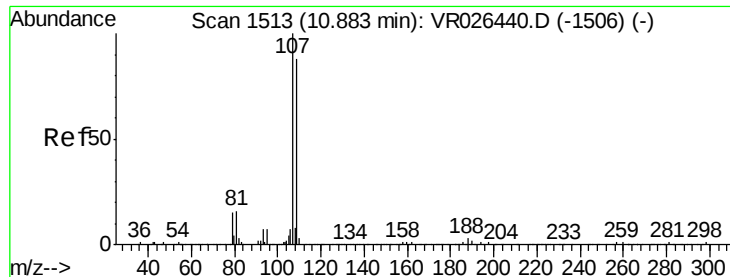
Tgt Ion:	43	Resp:	376089
Ion	Ratio	Lower	Upper
43	100		
58	45.0	38.2	57.2
57	16.5	13.8	20.6
100	8.1	6.2	9.2



#49
Dibromochloromethane
Concen: 4.625 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

Tgt Ion:	129	Resp:	91465
Ion	Ratio	Lower	Upper
129	100		
127	79.6	50.2	93.2

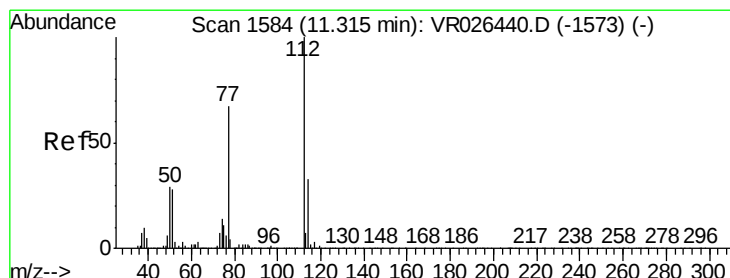
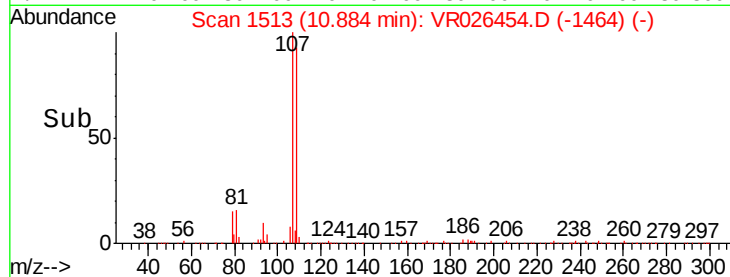
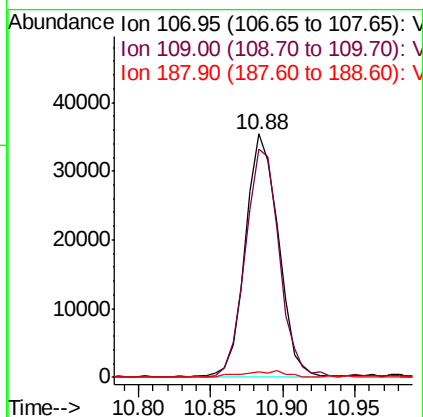
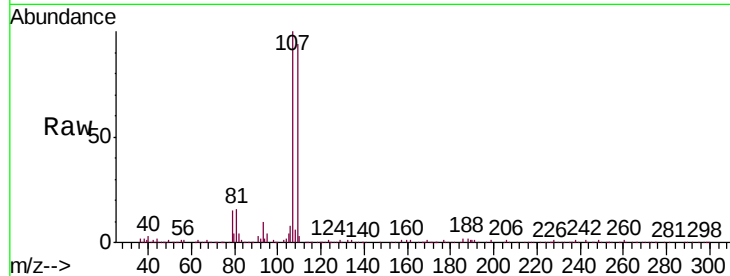




#50
1,2-Dibromoethane
Concen: 4.324 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

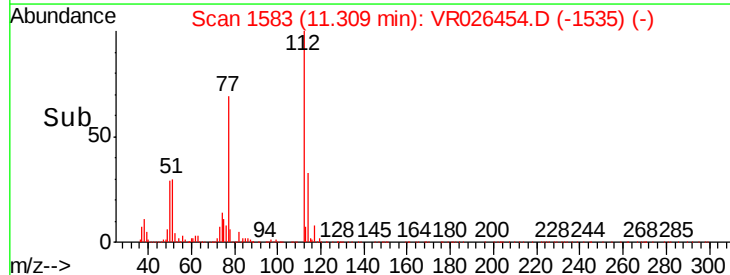
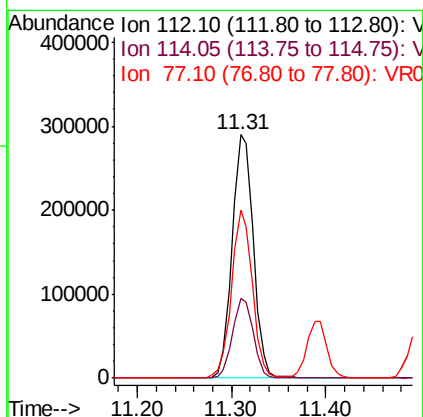
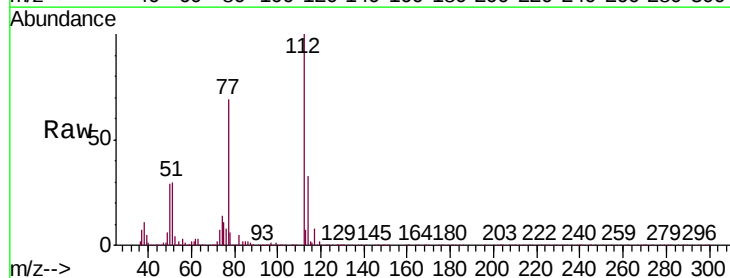
Instrument :
MSVOA_R
ClientSampleId :
VSTD00597

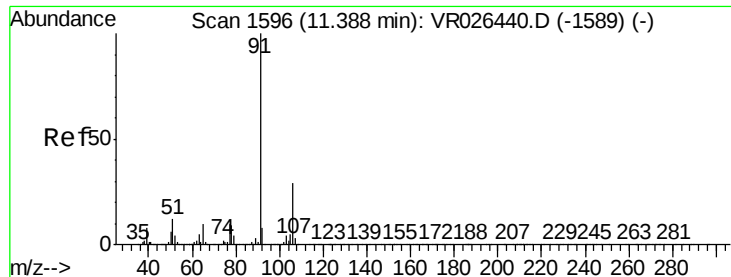
Tgt Ion:107 Resp: 56154
Ion Ratio Lower Upper
107 100
109 93.7 66.8 124.2
188 2.2 2.8 4.2#



#51
Chlorobenzene
Concen: 4.613 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

Tgt Ion:112 Resp: 451780
Ion Ratio Lower Upper
112 100
114 32.6 23.1 42.9
77 69.1 53.8 80.8





#52

Ethylbenzene

Concen: 4.975 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

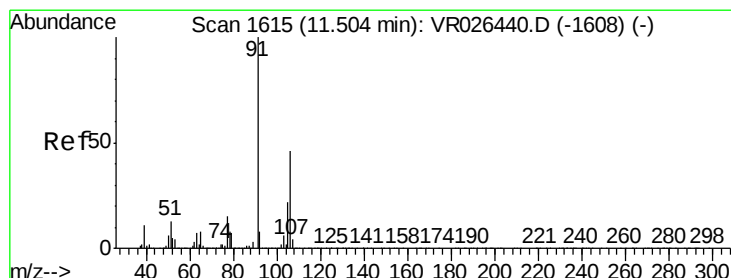
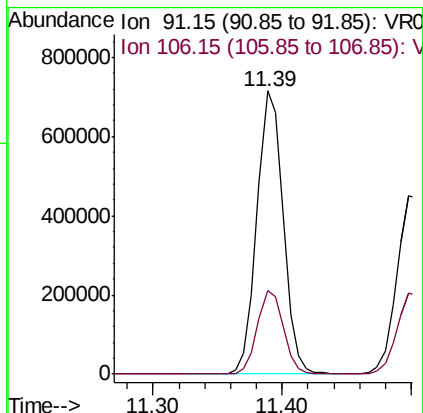
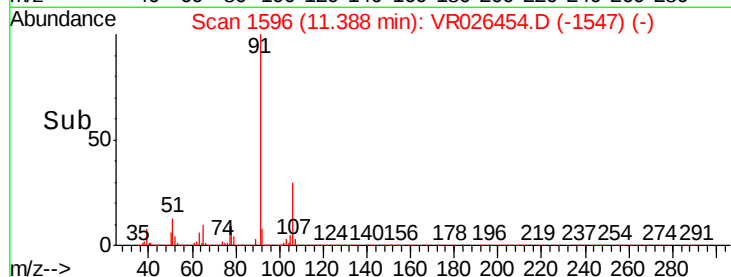
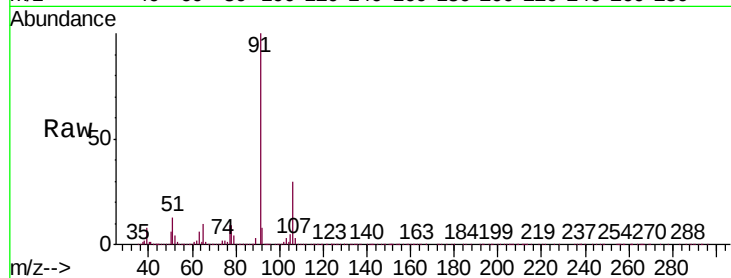
VSTD00597

Tgt Ion: 91 Resp: 1000331

Ion Ratio Lower Upper

91 100

106 29.5 20.7 38.5



#53

m,p-Xylene

Concen: 4.935 ug/L

RT: 11.50 min Scan# 1614

Delta R.T. -0.01 min

Lab File: VR026454.D

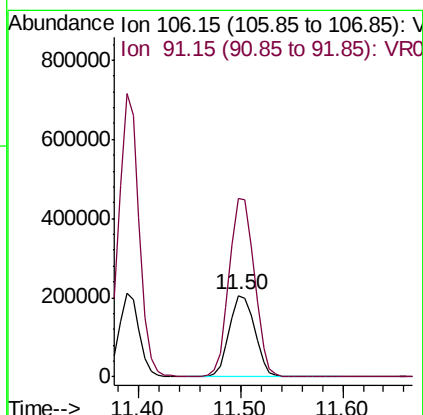
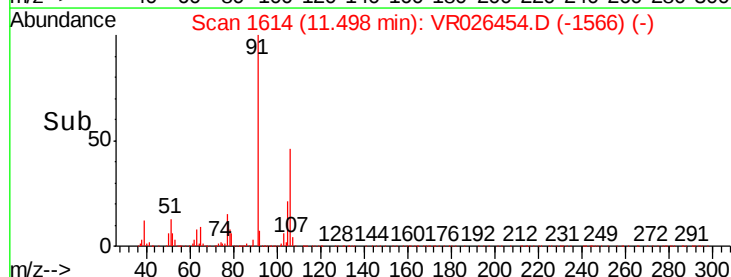
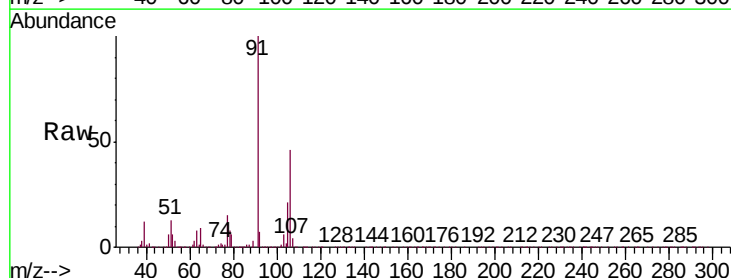
Acq: 5 Apr 2019 9:55

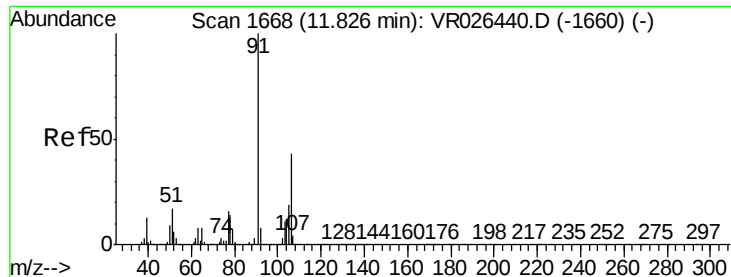
Tgt Ion: 106 Resp: 355656

Ion Ratio Lower Upper

106 100

91 218.9 155.6 289.0

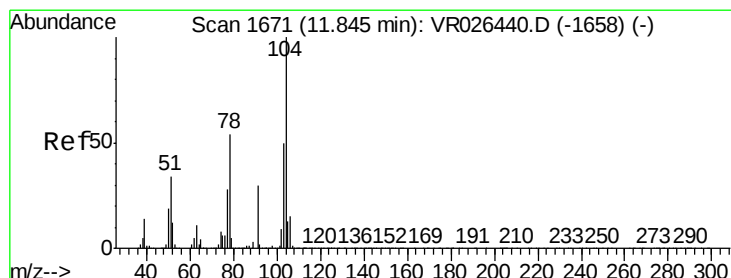
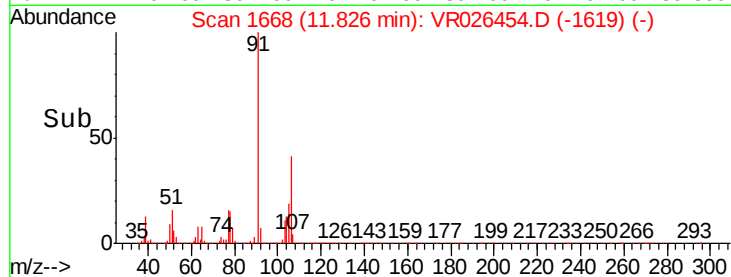
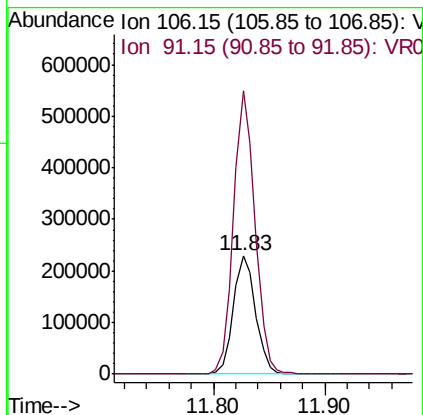
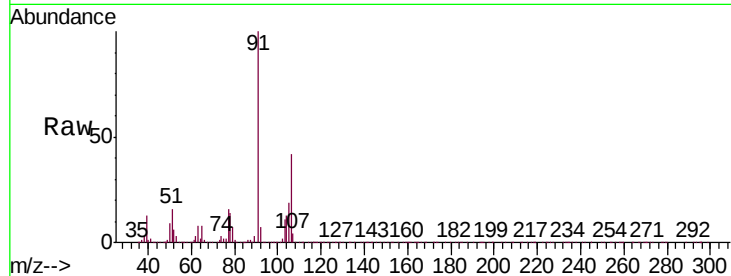




#54
o-Xylene
Concen: 5.015 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

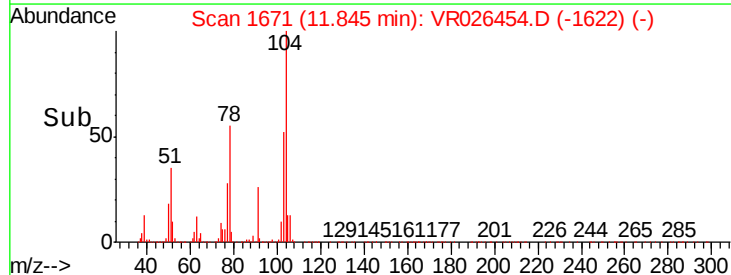
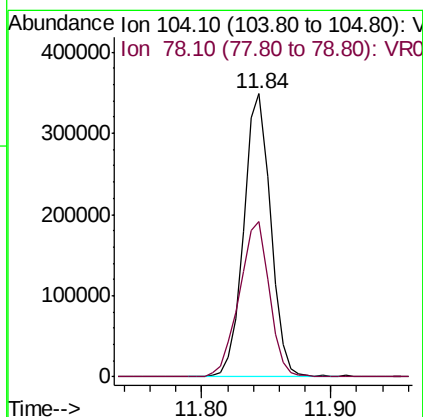
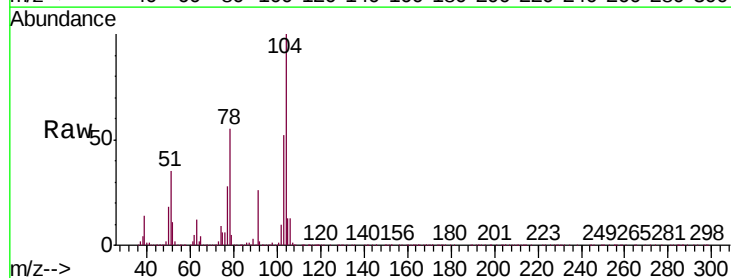
Instrument :
MSVOA_R
ClientSampled :
VSTD00597

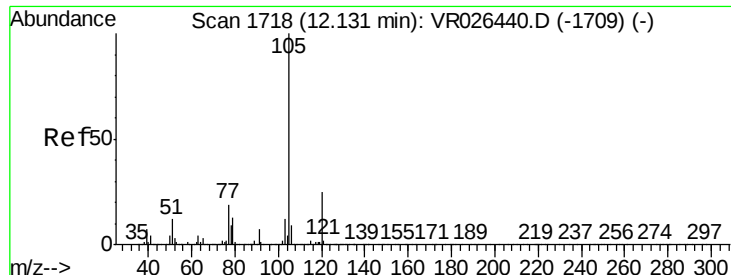
Tgt Ion:106 Resp: 317527
Ion Ratio Lower Upper
106 100
91 238.7 166.2 308.6



#55
Styrene
Concen: 5.006 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026454.D
Acq: 5 Apr 2019 9:55

Tgt Ion:104 Resp: 500396
Ion Ratio Lower Upper
104 100
78 54.7 35.2 65.4





#56

Isopropylbenzene

Concen: 4.937 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

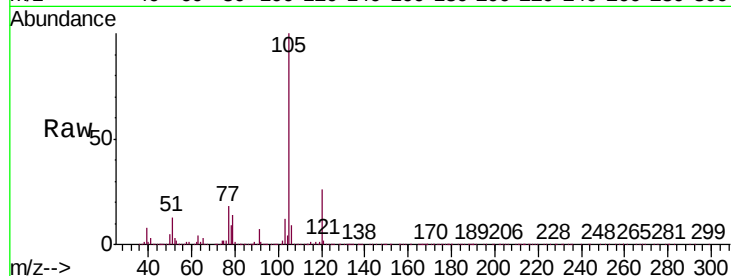
Tgt Ion: 105 Resp: 887359

Ion Ratio Lower Upper

105 100

120 25.1 20.2 30.2

77 18.7 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

800000

600000

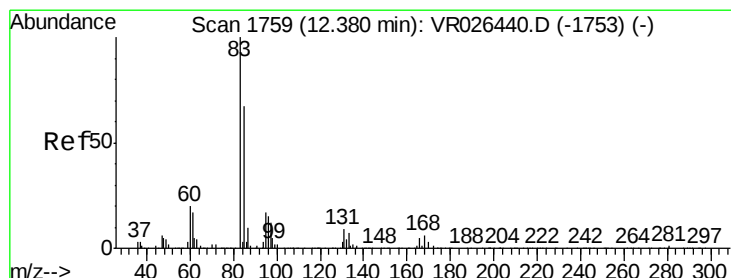
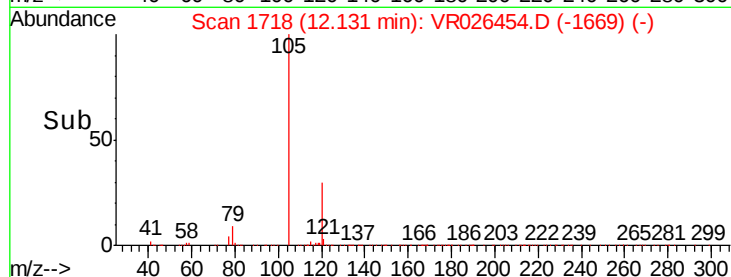
400000

200000

0

12.05 12.10 12.15 12.20

Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 4.318 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

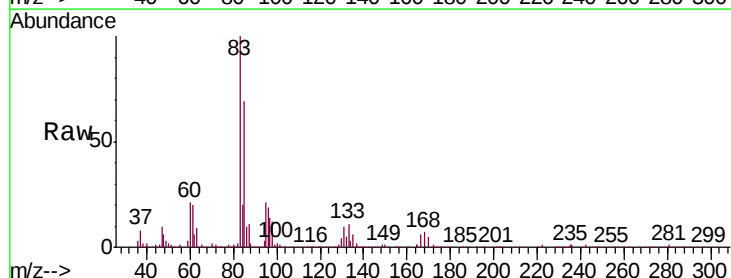
Tgt Ion: 83 Resp: 63304

Ion Ratio Lower Upper

83 100

85 68.8 45.1 83.7

131 9.6 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

50000

40000

30000

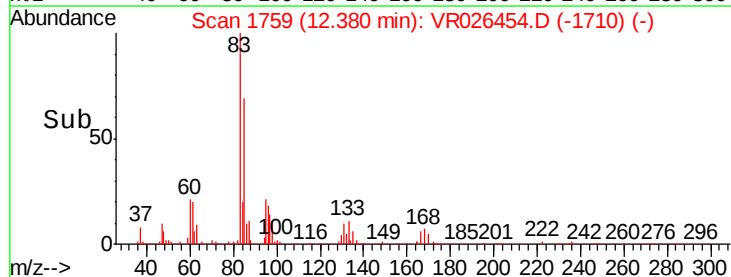
20000

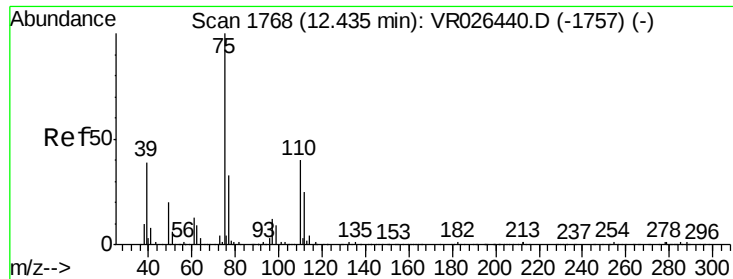
10000

0

12.30 12.35 12.40

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.496 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

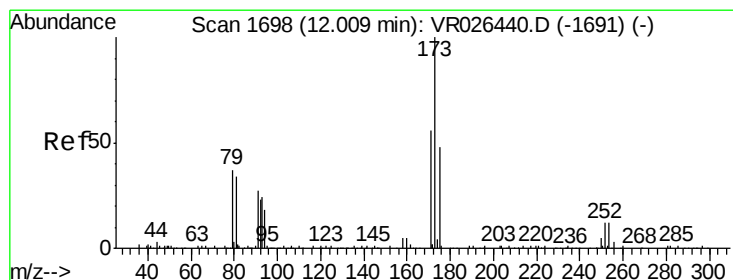
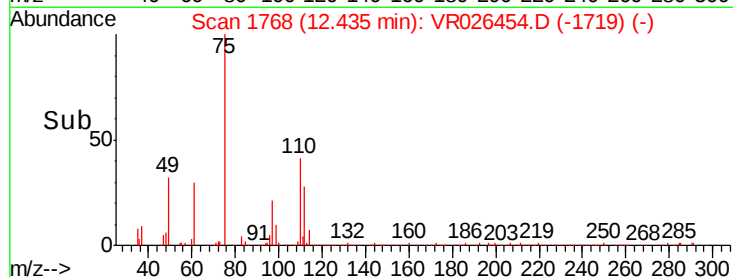
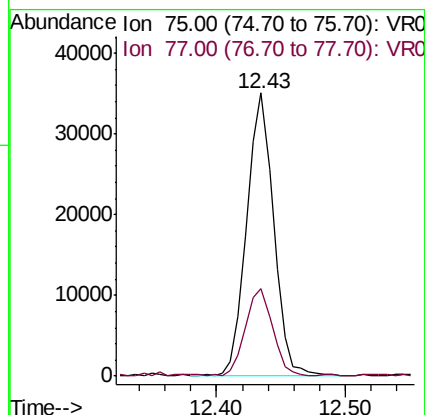
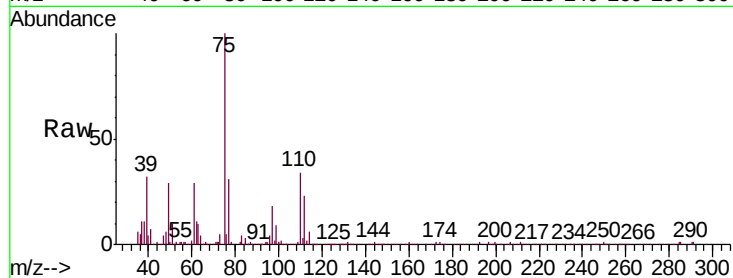
VSTD00597

Tgt Ion: 75 Resp: 50565

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#61

Bromoform

Concen: 4.427 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

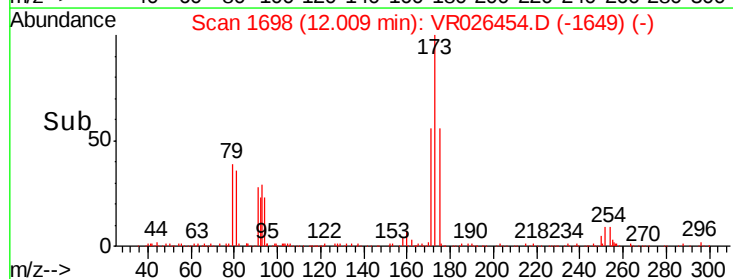
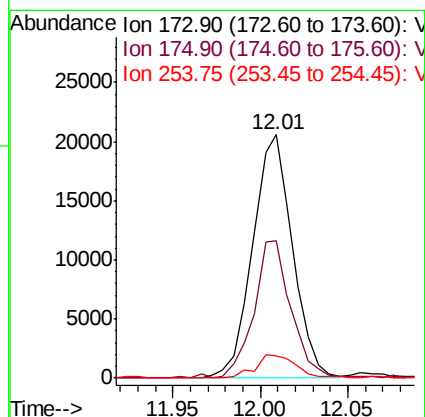
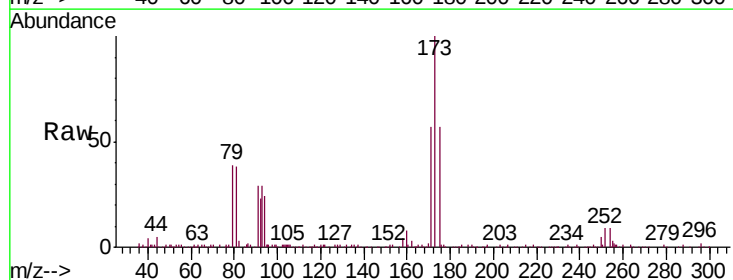
Tgt Ion: 173 Resp: 32444

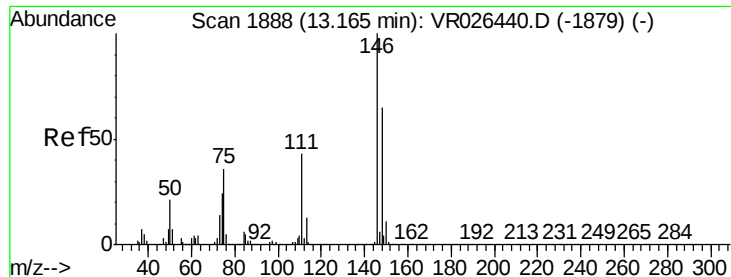
Ion Ratio Lower Upper

173 100

175 53.6 36.6 54.8

254 10.0 8.0 12.0

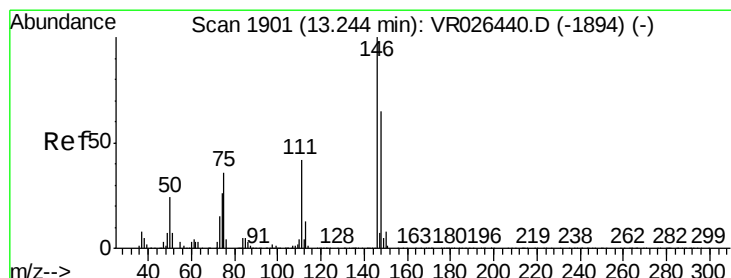
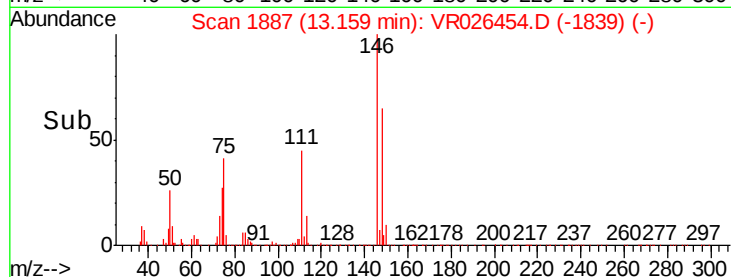
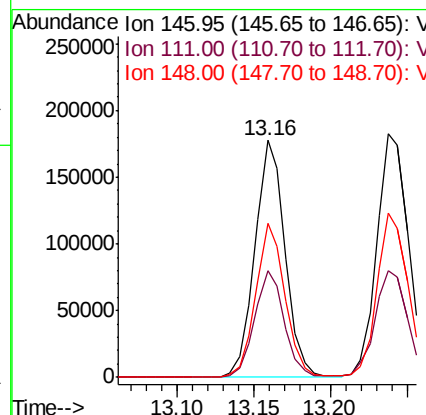
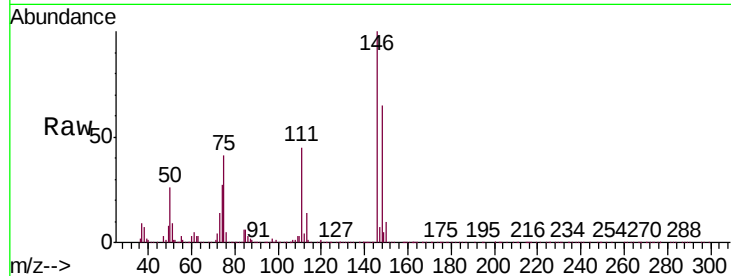




#62
 1,3-Dichlorobenzene
 Concen: 4.607 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.01 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

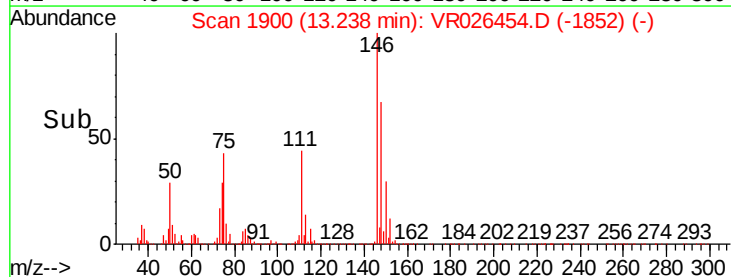
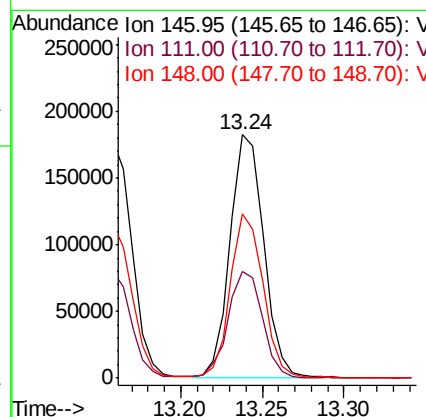
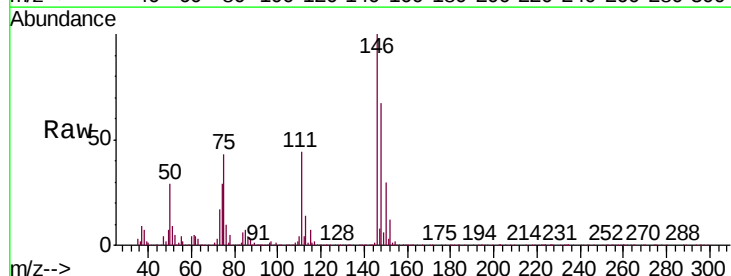
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

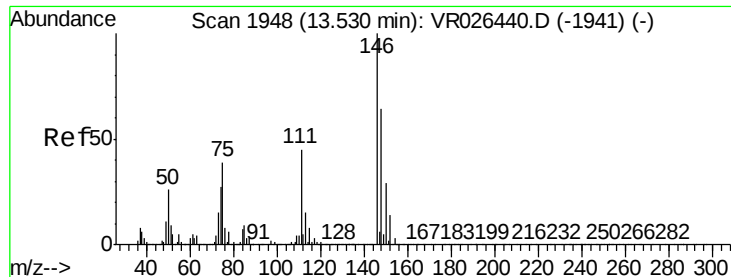
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	30.4	56.5
148	65.1	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 4.437 ug/L
 RT: 13.24 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	30.5	56.7
148	67.2	45.0	83.6

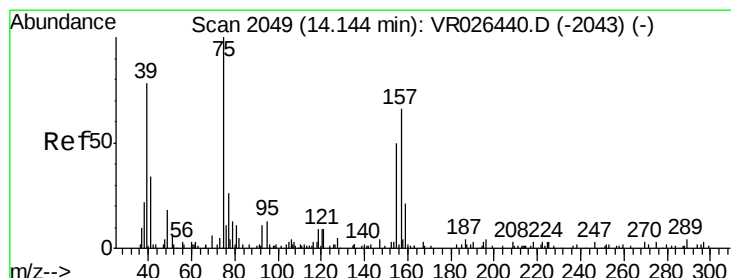
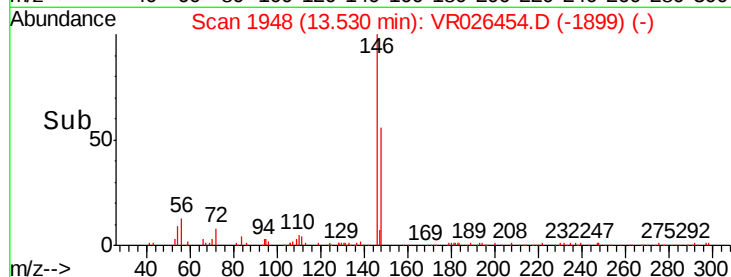
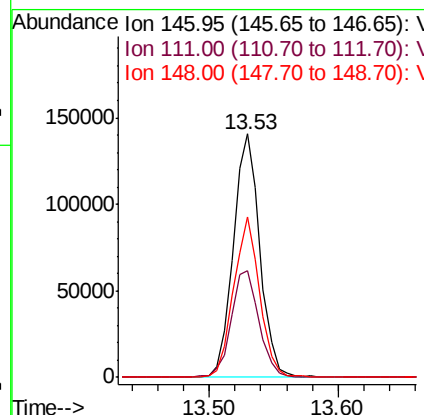
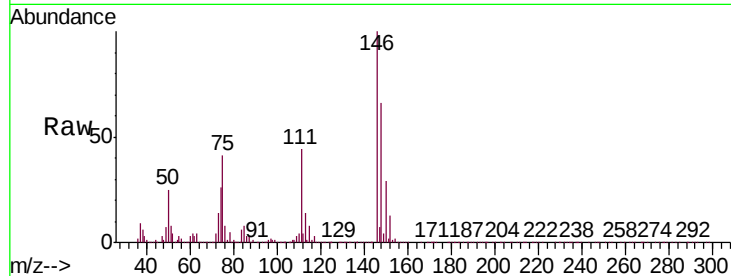




#65
 1,2-Dichlorobenzene
 Concen: 4.637 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

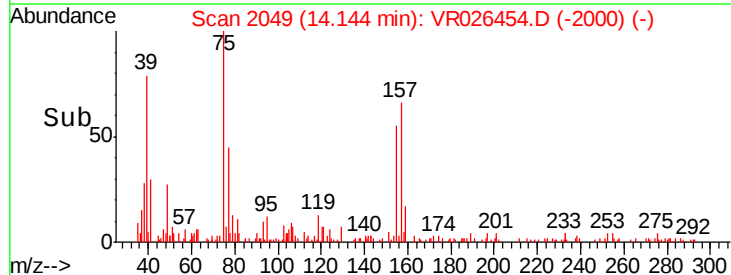
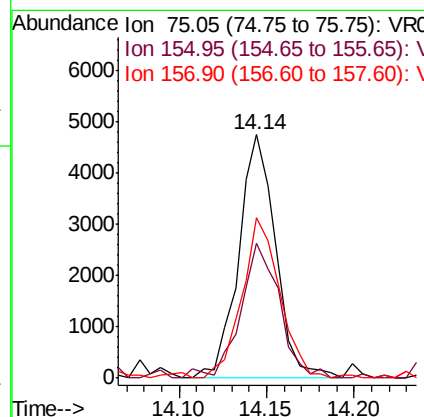
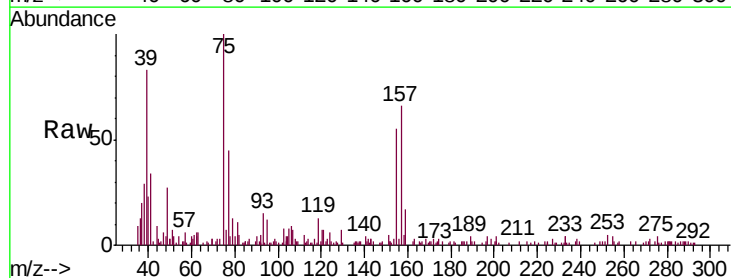
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

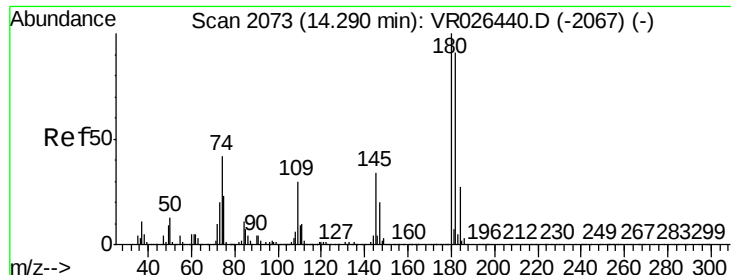
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	35.8	53.6
148	66.1	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.168 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.1	36.1	54.1#
157	65.7	62.4	93.6

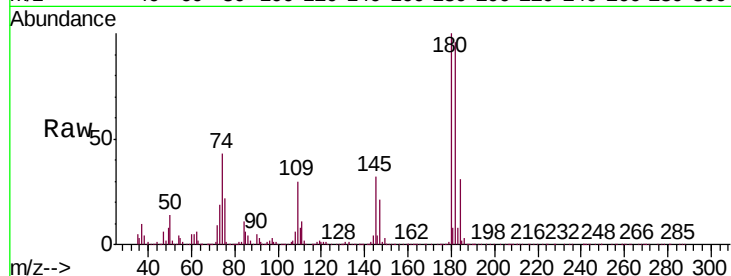




#67
 1,3,5-Trichlorobenzene
 Concen: 4.245 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00597

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.8	113.6
184	30.1	25.0	37.4
145	30.9	28.0	42.0



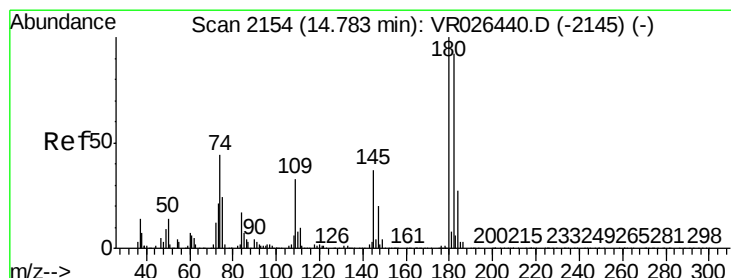
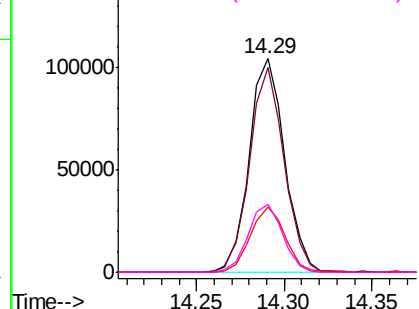
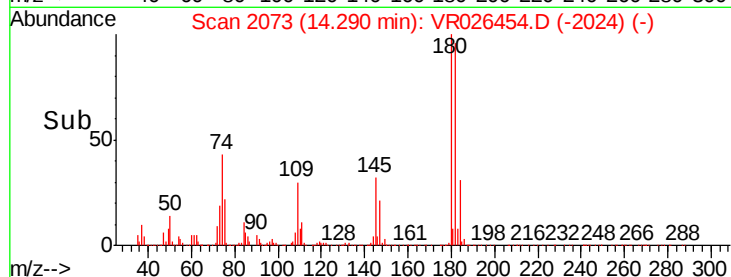
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

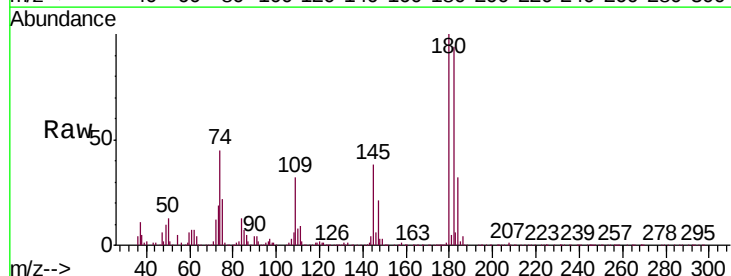
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.101 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VR026454.D
 Acq: 5 Apr 2019 9:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	73.0	109.6
145	35.8	26.7	40.1

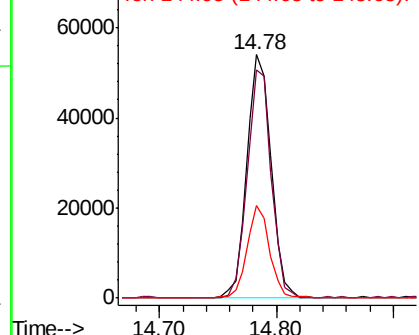
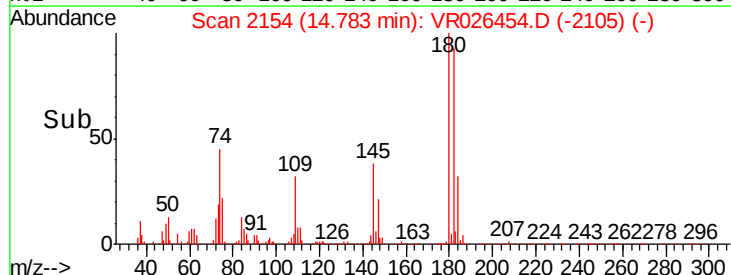


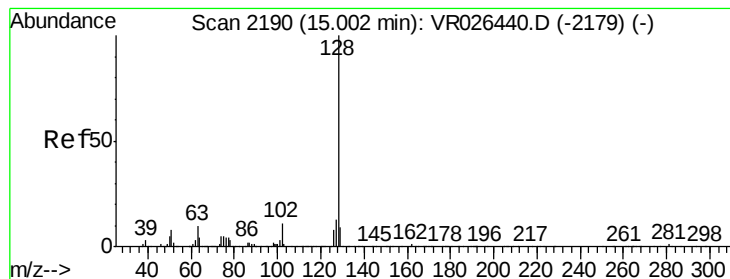
Abundance

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: 4.072 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

Instrument :

MSVOA_R

ClientSampleId :

VSTD00597

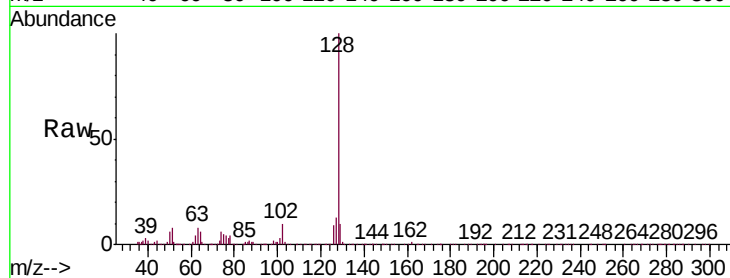
Tgt Ion:128 Resp: 73209

Ion Ratio Lower Upper

128 100

127 13.4 11.4 17.0

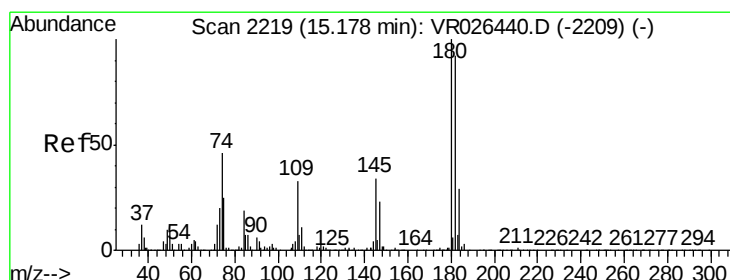
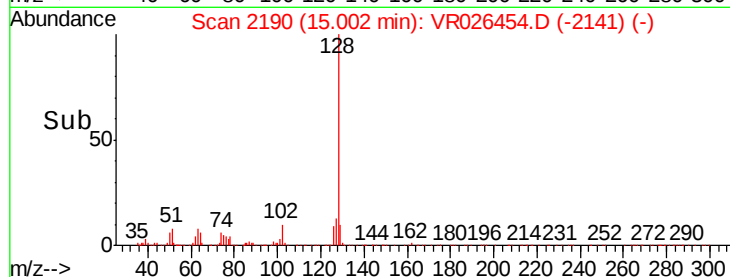
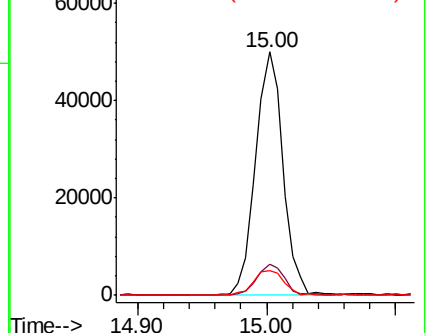
129 11.6 9.0 13.4



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: 4.476 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VR026454.D

Acq: 5 Apr 2019 9:55

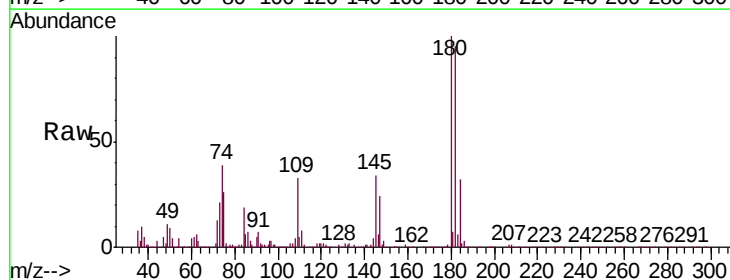
Tgt Ion:180 Resp: 59303

Ion Ratio Lower Upper

180 100

182 94.2 73.1 109.7

145 36.2 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

