

Data File : VR026644.D
Acq On : 17 Sep 2019 17:42
Operator : SY/MD
Sample : MDL04
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL04

Quant Time: Sep 18 07:13:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	320721	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	266032	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	118122	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	49314	5.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.00%
7) Chloroethane-d5	2.64	69	42464	5.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.00%
11) 1,1-Dichloroethene-d2	3.65	63	86752	3.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.20%
20) 2-Butanone-d5	6.62	46	85790	44.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.78%
24) Chloroform-d	7.23	84	163314	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	7.92	65	57137	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	7.88	84	302612	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	8.92	67	81550	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	9.99	98	210174	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
43) trans-1,3-Dichloropropene-	10.25	79	17723	4.42	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.40%
46) 2-Hexanone-d5	10.61	63	58162	48.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.50%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	43346	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.80%
64) 1,2-Dichlorobenzene-d4	13.53	152	64123	4.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	9709	0.268 ug/L	96
3) Chloromethane	2.07	50	4722	0.249 ug/L	86
5) Vinyl chloride	2.21	62	4372	0.231 ug/L	88
6) Bromomethane	2.55	94	3248	0.273 ug/L	90
8) Chloroethane	2.69	64	1373	0.126 ug/L #	53
9) Trichlorofluoromethane	2.99	101	9510	0.290 ug/L #	35
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	3478	0.242 ug/L #	61
12) 1,1-Dichloroethene	3.65	96	2025	0.143 ug/L #	1
13) Acetone	3.75	43	5263	3.662 ug/L	99
14) Carbon disulfide	3.97	76	12421	0.205 ug/L #	87
15) Methyl Acetate	4.22	43	1798	0.298 ug/L	98
16) Methylene chloride	4.43	84	8702	0.296 ug/L	77
17) Methyl tert-butyl Ether	4.94	73	5631	0.184 ug/L #	80
18) trans-1,2-Dichloroethene	4.91	96	6789	0.230 ug/L	80
19) 1,1-Dichloroethane	5.73	63	13158	0.237 ug/L	97
21) 2-Butanone	6.73	43	7300	2.780 ug/L	95
22) cis-1,2-Dichloroethene	6.70	96	6588	0.233 ug/L #	96

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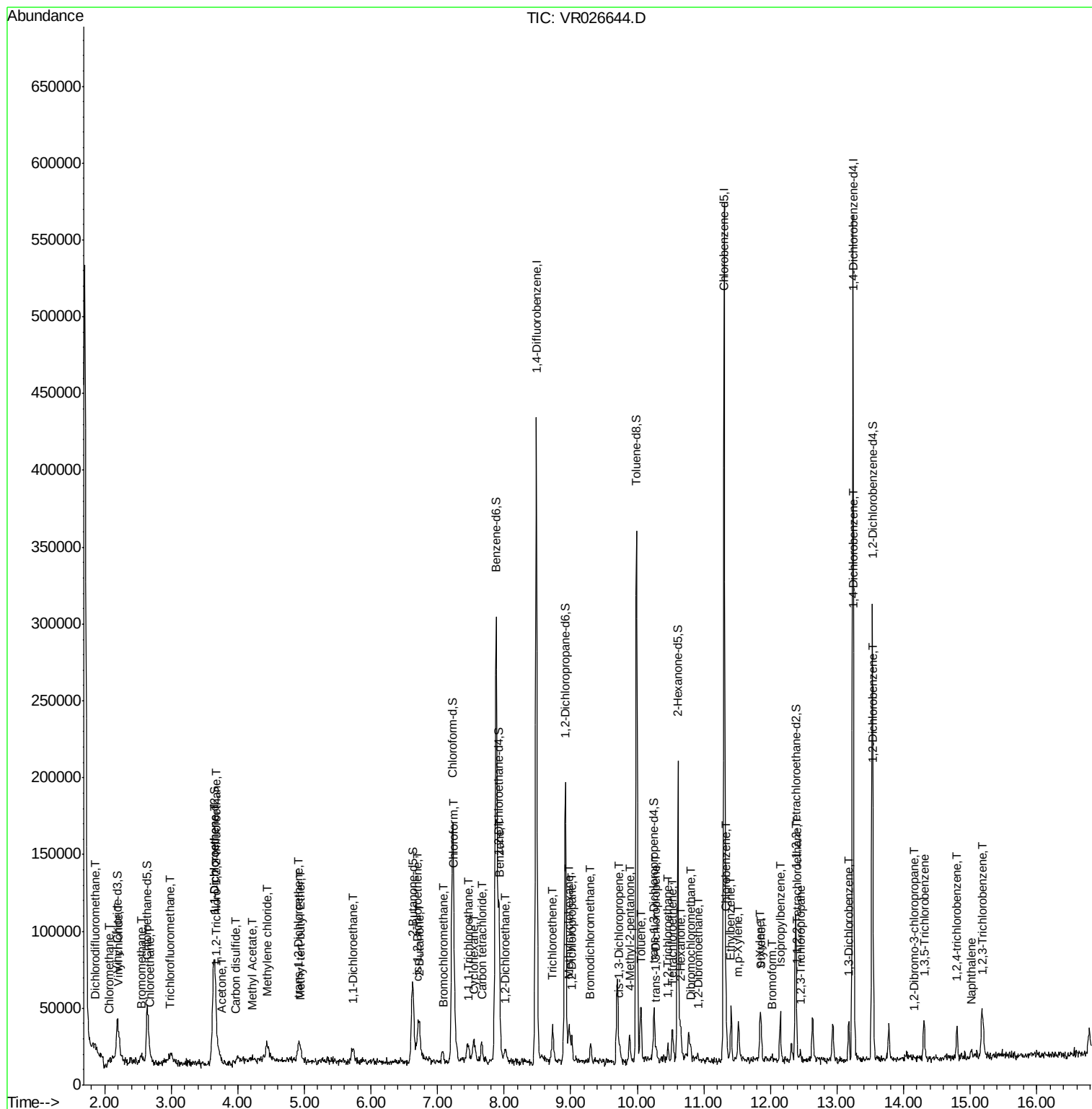
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.08	128	1777	0.226	ug/L	81
25) Chloroform	7.25	83	19502	0.367	ug/L	87
27) 1,2-Dichloroethane	8.02	62	5313	0.284	ug/L #	83
29) 1,1,1-Trichloroethane	7.46	97	10430	0.244	ug/L	92
30) Cyclohexane	7.54	56	5832	0.128	ug/L	87
31) Carbon tetrachloride	7.67	117	8725	0.241	ug/L	92
33) Benzene	7.93	78	26736	0.227	ug/L	100
34) Trichloroethene	8.73	95	8069	0.275	ug/L	85
35) Methylcyclohexane	8.98	83	7561	0.171	ug/L	89
37) 1,2-Dichloropropane	9.02	63	4949	0.208	ug/L #	87
38) Bromodichloromethane	9.30	83	7095	0.280	ug/L #	88
39) cis-1,3-Dichloropropene	9.73	75	6409	0.254	ug/L	88
40) 4-Methyl-2-pentanone	9.88	43	9343	1.566	ug/L #	89
42) Toluene	10.05	91	24248	0.235	ug/L	97
44) trans-1,3-Dichloropropene	10.29	75	5134	0.316	ug/L	84
45) 1,1,2-Trichloroethane	10.46	97	2895	0.285	ug/L #	69
47) Tetrachloroethene	10.52	164	4159	0.240	ug/L #	76
48) 2-Hexanone	10.65	43	10277	2.710	ug/L #	94
49) Dibromochloromethane	10.80	129	2950	0.267	ug/L	99
50) 1,2-Dibromoethane	10.91	107	2582	0.293	ug/L #	66
51) Chlorobenzene	11.33	112	15268	0.255	ug/L #	84
52) Ethylbenzene	11.41	91	21382	0.183	ug/L	89
53) m,p-Xylene	11.52	106	7581	0.181	ug/L	68
54) o-Xylene	11.84	106	6293	0.153	ug/L	89
55) Styrene	11.86	104	9395	0.159	ug/L	90
56) Isopropylbenzene	12.14	105	17809	0.153	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.40	83	2890	0.246	ug/L #	93
59) 1,2,3-Trichloropropane	12.45	75	2439	0.283	ug/L #	84
61) Bromoform	12.02	173	1510	0.327	ug/L #	74
62) 1,3-Dichlorobenzene	13.18	146	9199	0.219	ug/L #	76
63) 1,4-Dichlorobenzene	13.26	146	10593	0.254	ug/L	85
65) 1,2-Dichlorobenzene	13.55	146	11109	0.312	ug/L #	82
66) 1,2-Dibromo-3-chloropropan	14.16	75	717	0.404	ug/L #	57
67) 1,3,5-Trichlorobenzene	14.31	180	6775	0.199	ug/L #	93
68) 1,2,4-trichlorobenzene	14.81	180	5068	0.211	ug/L	93
69) Naphthalene	15.02	128	4098	0.128	ug/L #	67
70) 1,2,3-Trichlorobenzene	15.20	180	5158	0.243	ug/L	86

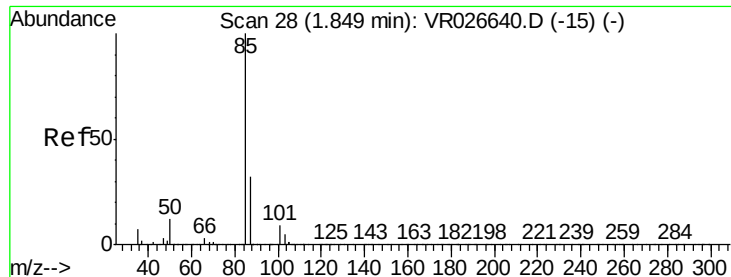
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.268 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

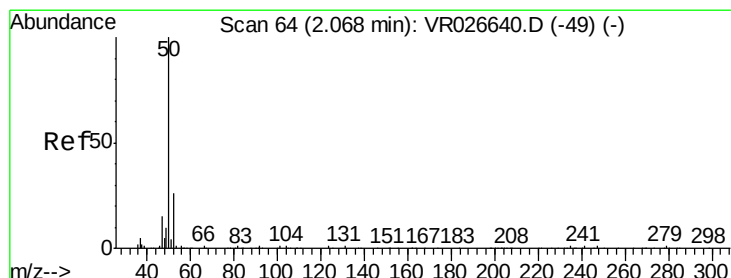
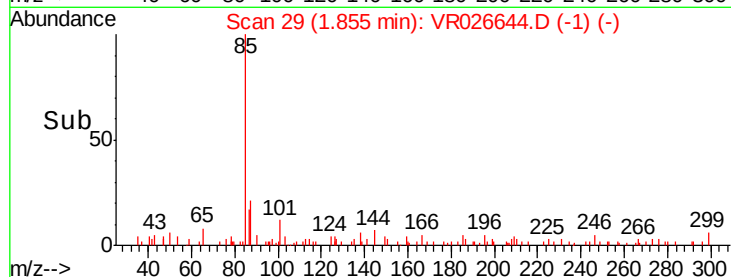
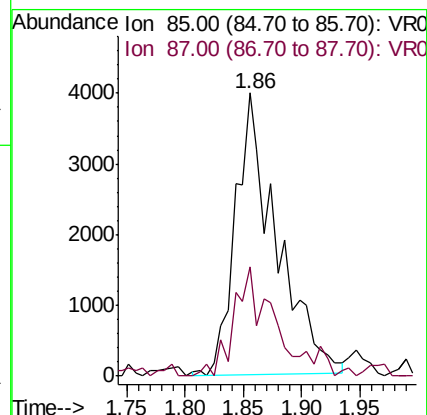
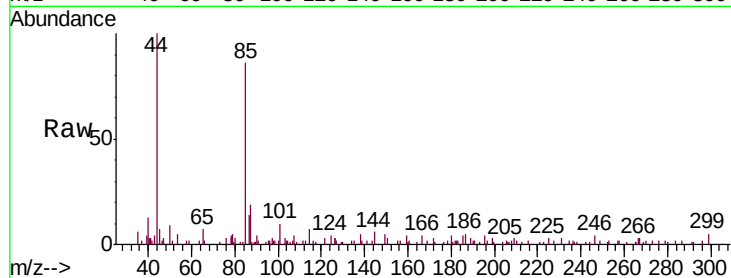
MDL04

Tgt Ion: 85 Resp: 9709

Ion Ratio Lower Upper

85 100

87 34.7 26.0 39.0



#3

Chloromethane

Concen: 0.249 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.00 min

Lab File: VR026644.D

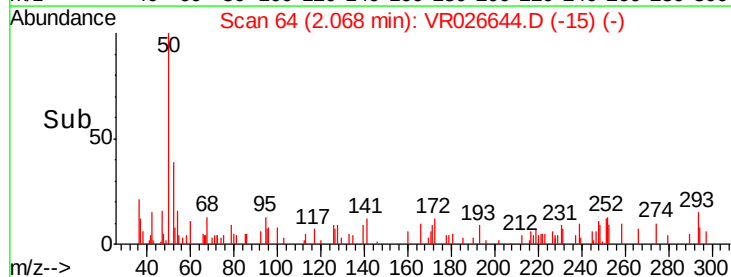
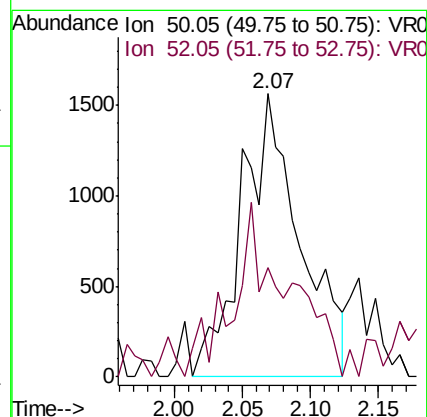
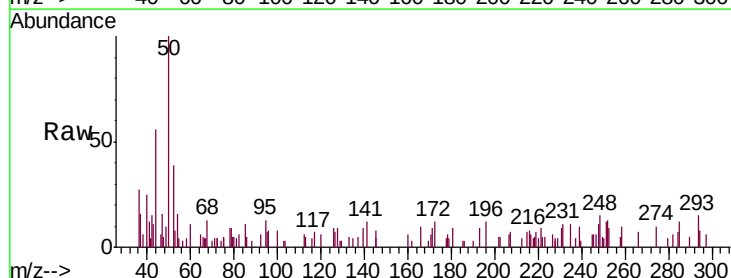
Acq: 17 Sep 2019 17:42

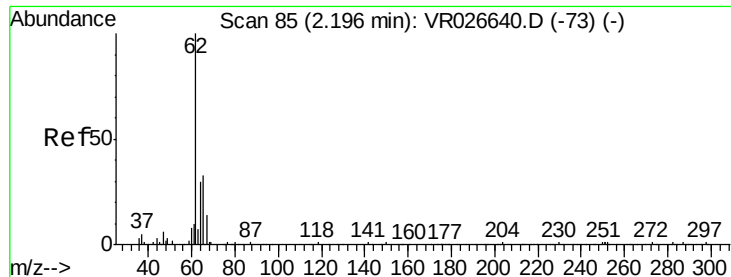
Tgt Ion: 50 Resp: 4722

Ion Ratio Lower Upper

50 100

52 38.7 21.7 40.3





#5

Vinyl chloride

Concen: 0.231 ug/L

RT: 2.21 min Scan# 87

Delta R.T. 0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampled :

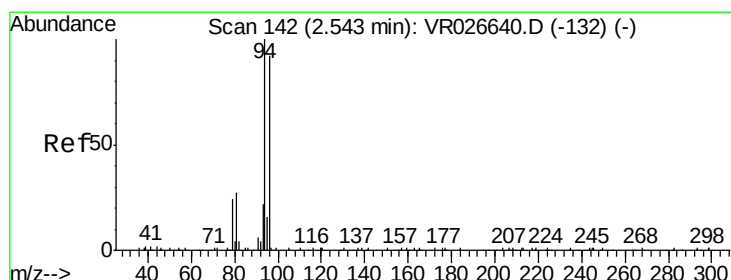
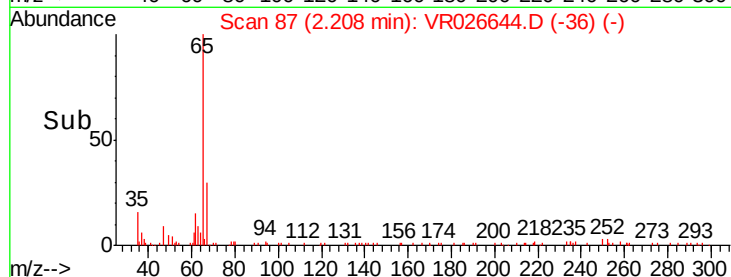
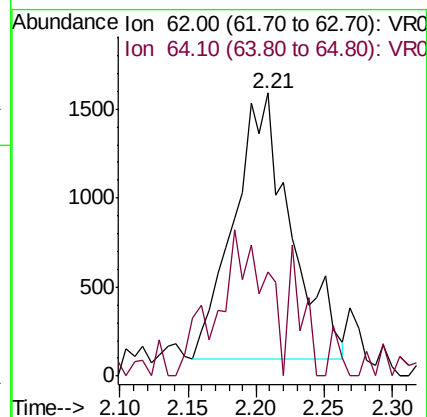
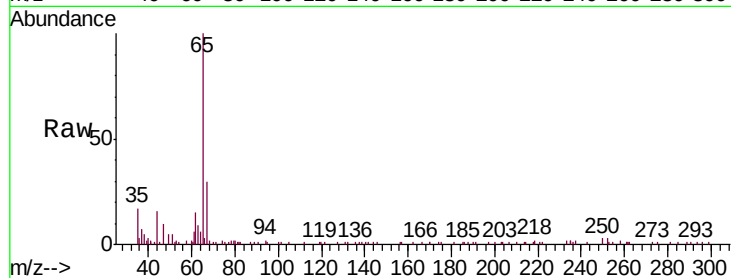
MDL04

Tgt Ion: 62 Resp: 4372

Ion Ratio Lower Upper

62 100

64 37.0 21.2 39.4



#6

Bromomethane

Concen: 0.273 ug/L

RT: 2.55 min Scan# 144

Delta R.T. 0.01 min

Lab File: VR026644.D

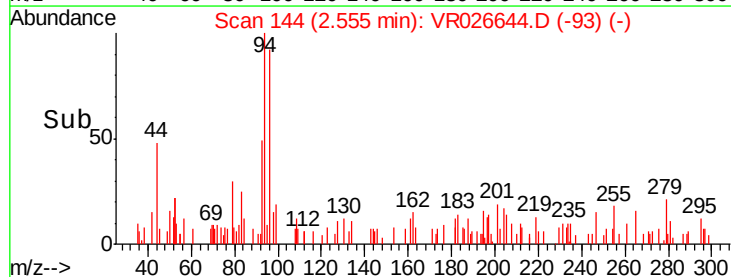
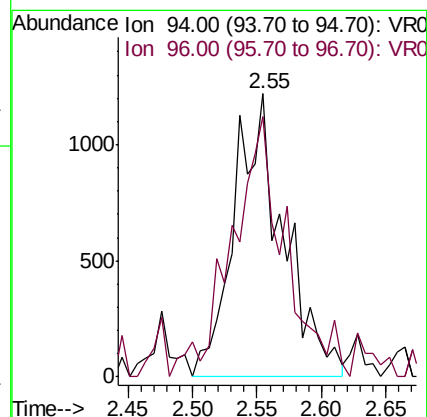
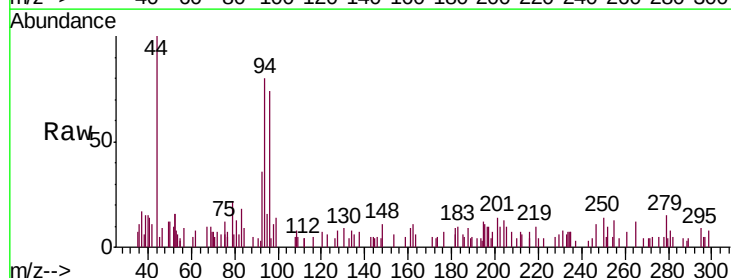
Acq: 17 Sep 2019 17:42

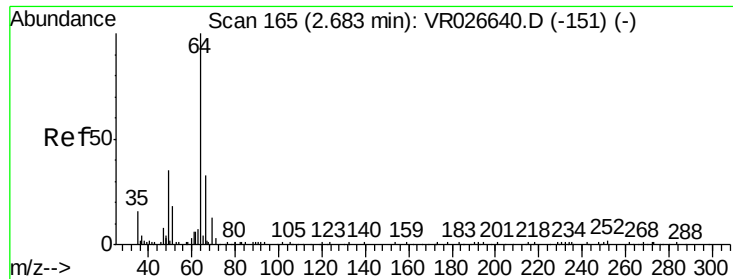
Tgt Ion: 94 Resp: 3248

Ion Ratio Lower Upper

94 100

96 96.9 61.0 113.4





#8

Chloroethane

Concen: 0.126 ug/L

RT: 2.69 min Scan# 166

Delta R.T. 0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampled :

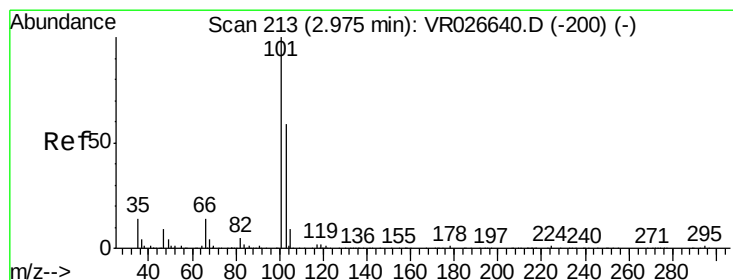
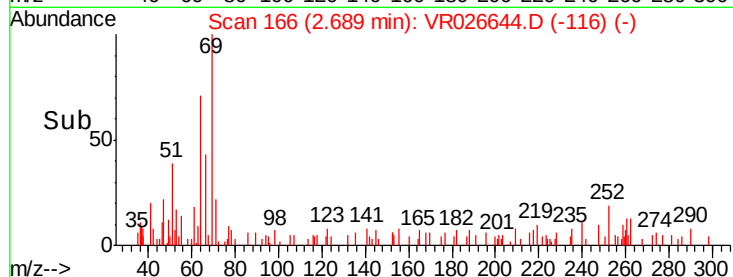
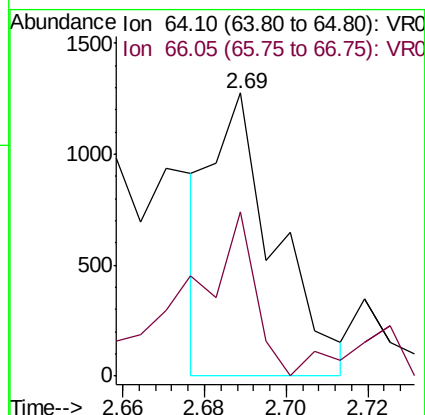
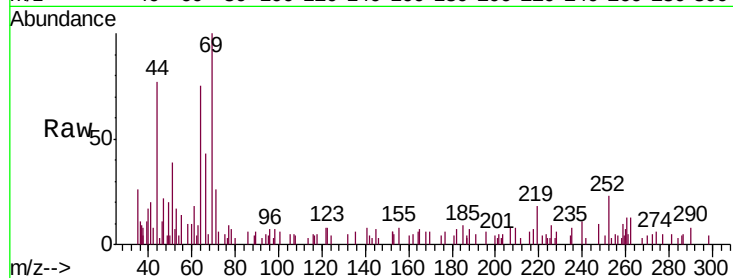
MDL04

Tgt Ion: 64 Resp: 1373

Ion Ratio Lower Upper

64 100

66 58.2 22.3 41.3#



#9

Trichlorofluoromethane

Concen: 0.290 ug/L

RT: 2.99 min Scan# 215

Delta R.T. 0.01 min

Lab File: VR026644.D

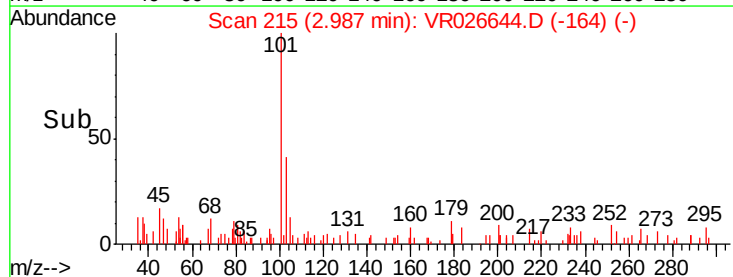
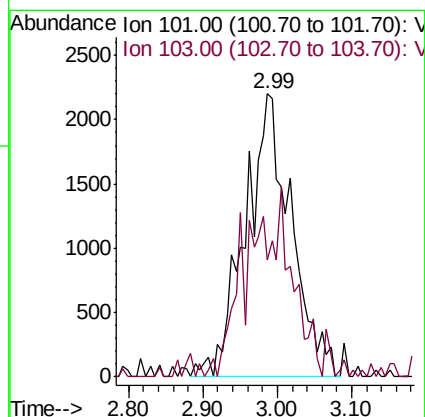
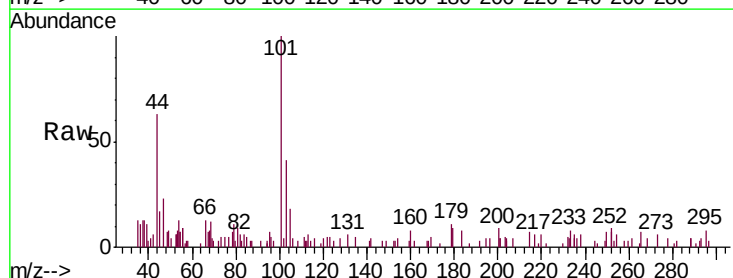
Acq: 17 Sep 2019 17:42

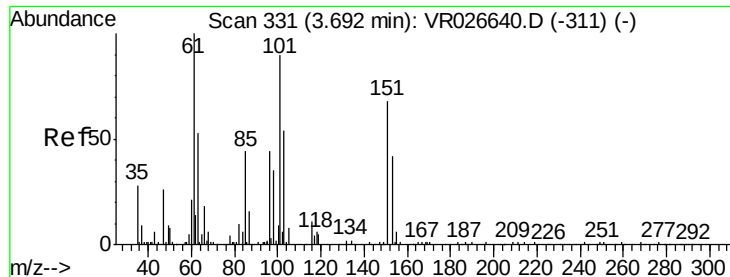
Tgt Ion: 101 Resp: 9510

Ion Ratio Lower Upper

101 100

103 13.3 50.9 76.3#





#10

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

Concen: 0.242 ug/L

RT: 3.68 min Scan# 329

Delta R.T. -0.01 min

Lab File: VR026644.D

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Instrument :

MSVOA_R

ClientSampleID :

MDL04

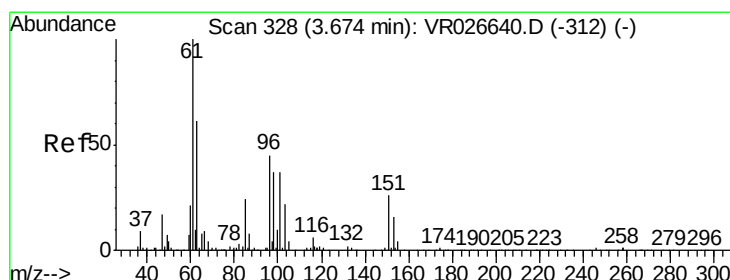
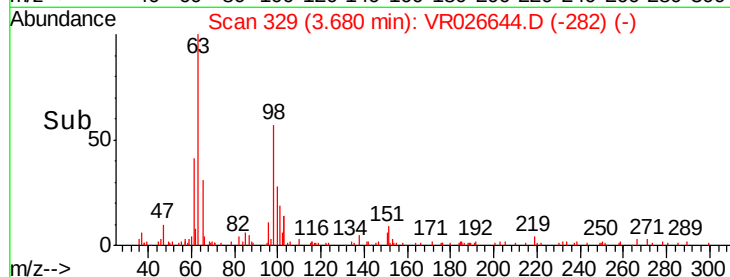
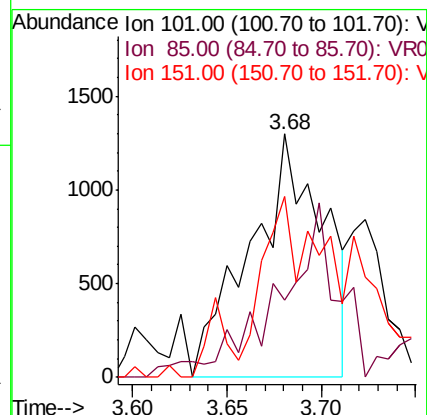
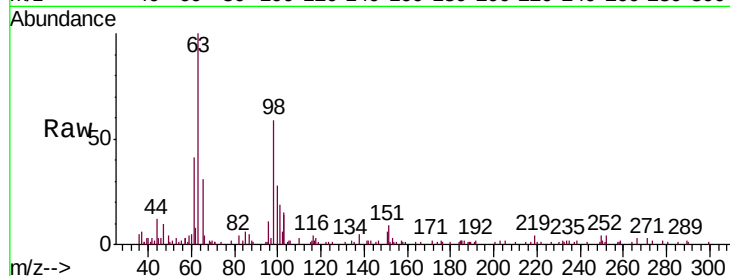
Tgt Ion: 101 Resp: 3478

Ion Ratio Lower Upper

101 100

85 60.7 39.7 59.5#

151 27.5 58.4 87.6#



#12

1,1-Dichloroethene

Concen: 0.143 ug/L

RT: 3.65 min Scan# 324

Delta R.T. -0.02 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

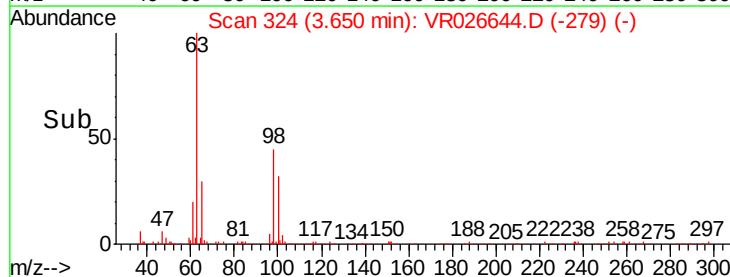
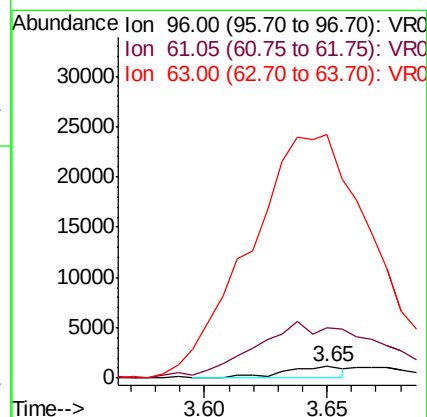
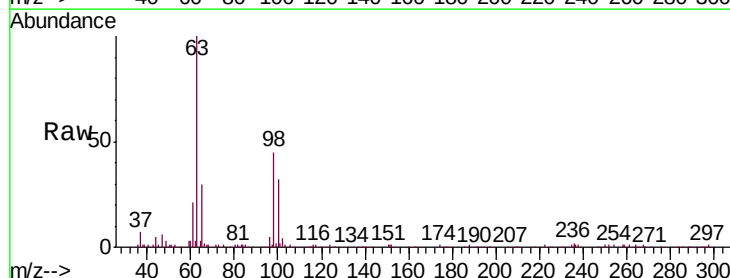
Tgt Ion: 96 Resp: 2025

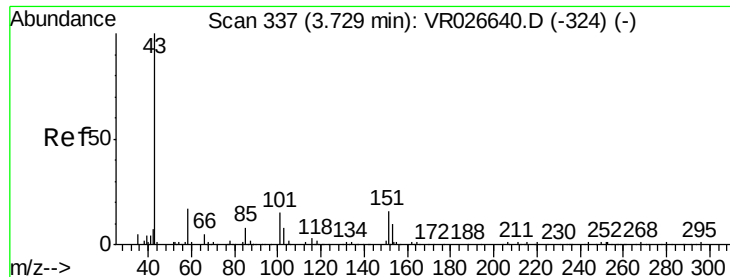
Ion Ratio Lower Upper

96 100

61 441.3 143.3 266.1#

63 2127.2 112.6 209.0#





#13

Acetone

Concen: 3.662 ug/L

RT: 3.75 min Scan# 341

Delta R.T. 0.02 min

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ClientSampled :

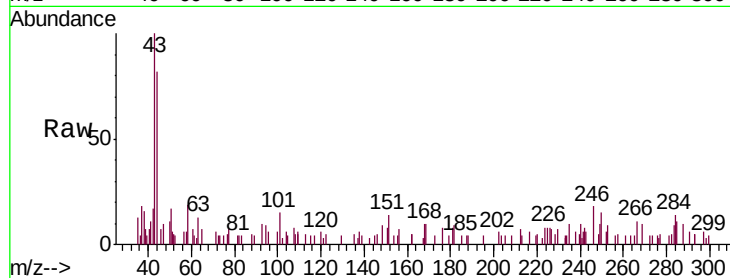
MDL04

Tgt Ion: 43 Resp: 5263

Ion Ratio Lower Upper

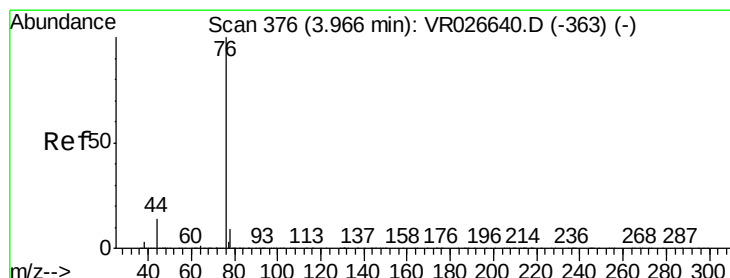
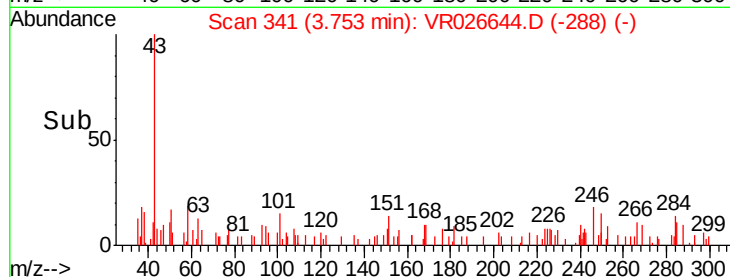
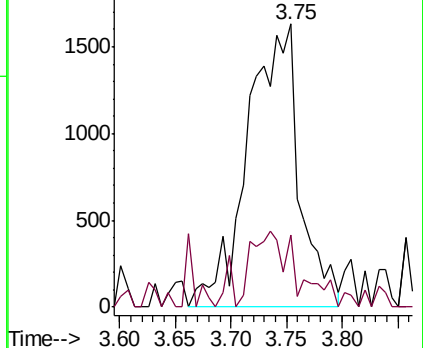
43 100

58 20.6 0.0 41.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.205 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.01 min

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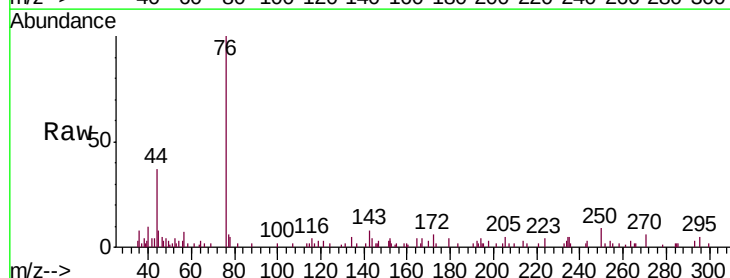
Acq: 17 Sep 2019 17:42

Tgt Ion: 76 Resp: 12421

Ion Ratio Lower Upper

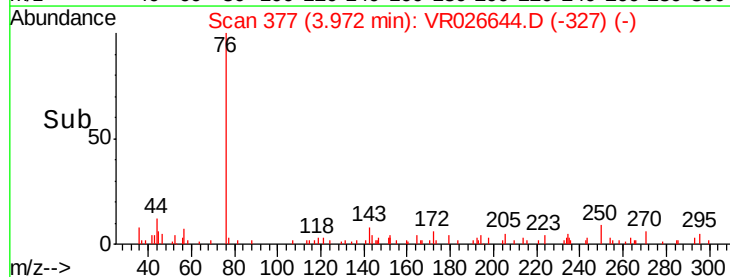
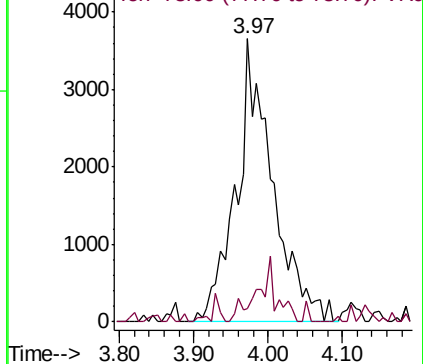
76 100

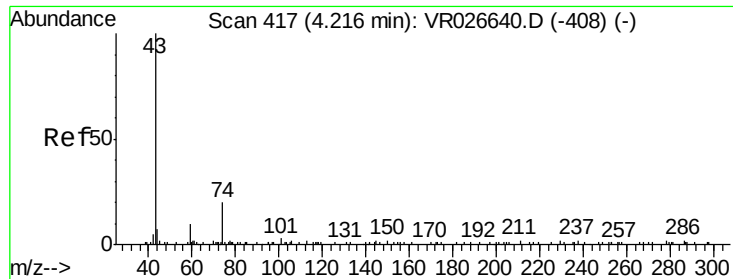
78 4.5 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

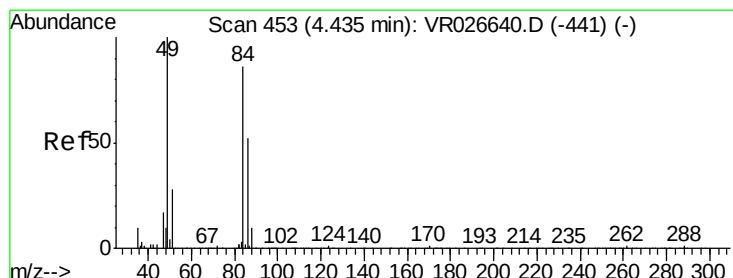
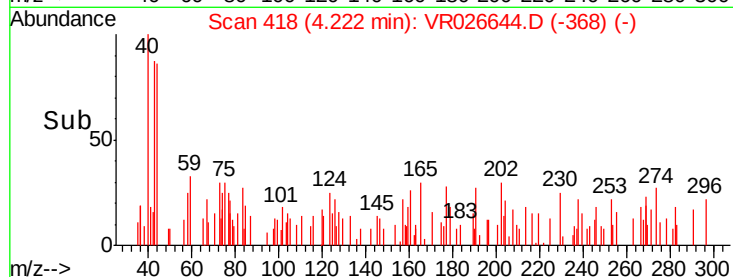
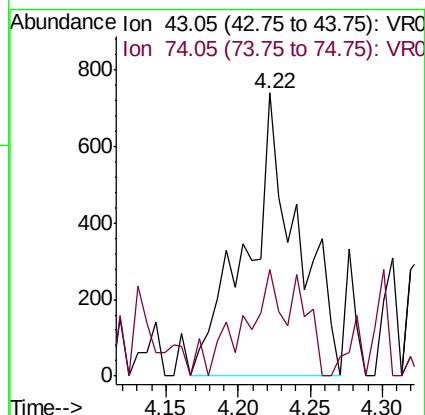
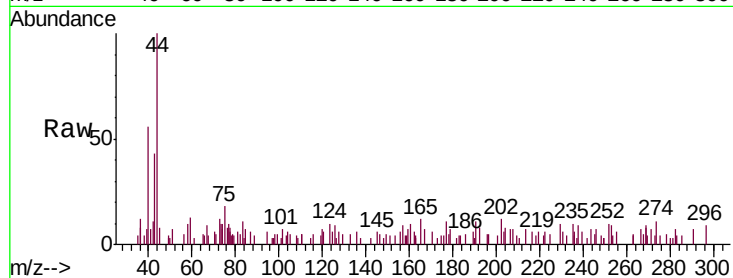




#15
Methyl Acetate
Concen: 0.298 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

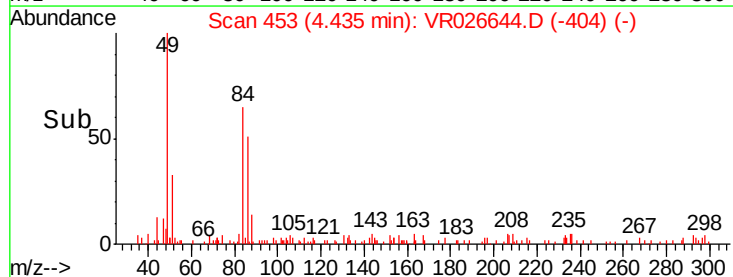
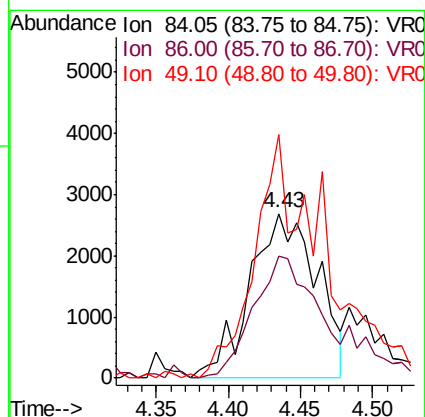
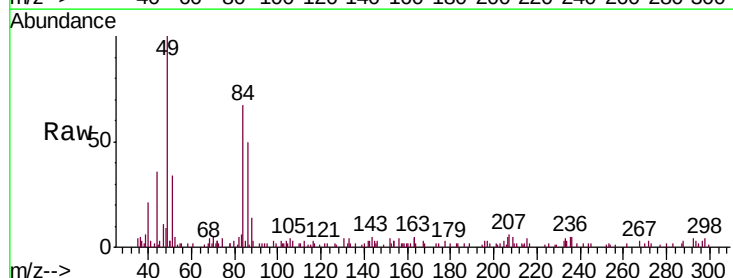
Instrument :
MSVOA_R
ClientSampleId :
MDL04

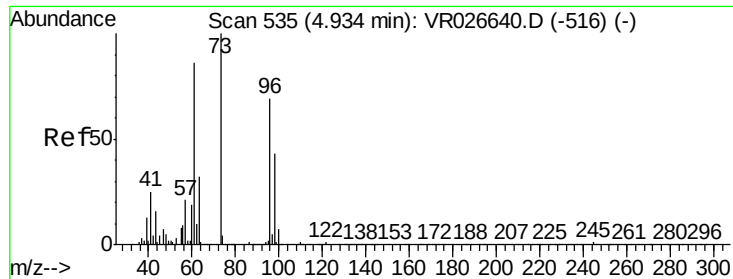
Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
74 20.8 17.5 26.3



#16
Methylene chloride
Concen: 0.296 ug/L
RT: 4.43 min Scan# 453
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion: 84 Resp: 8702
Ion Ratio Lower Upper
84 100
86 73.9 44.2 82.0
49 148.2 82.3 152.9



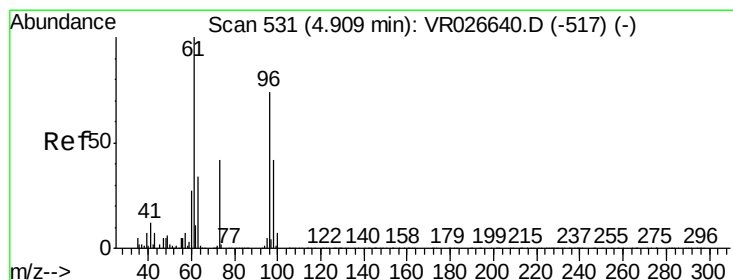
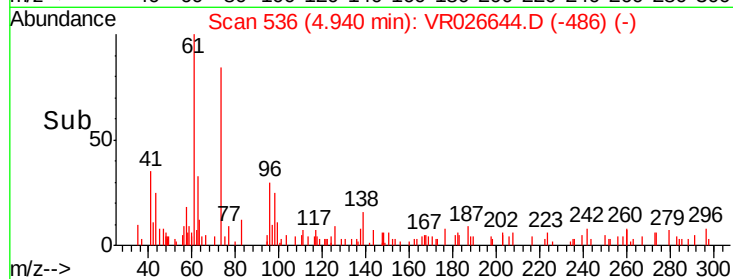
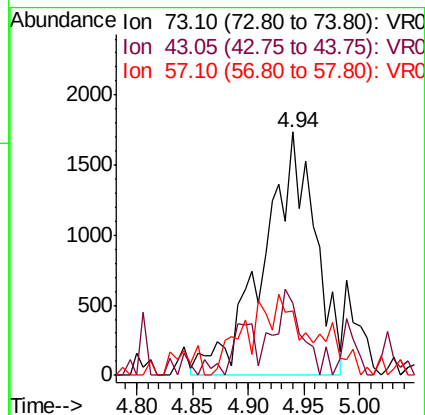
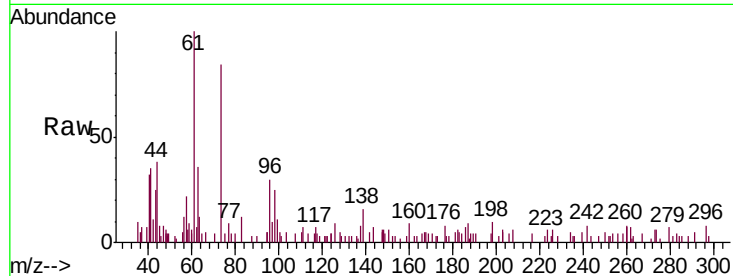


#17

Methyl tert-butyl Ether
 Concen: 0.184 ug/L
 RT: 4.94 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Instrument :
 MSVOA_R
 ClientSampleID :
 MDL04

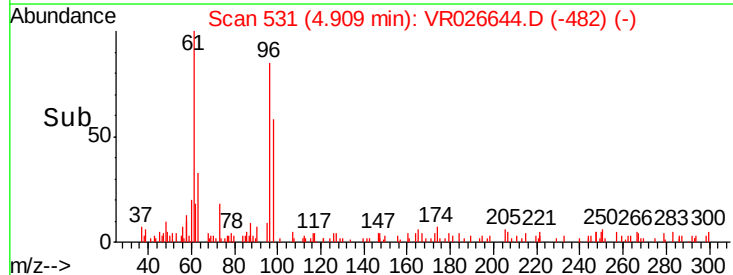
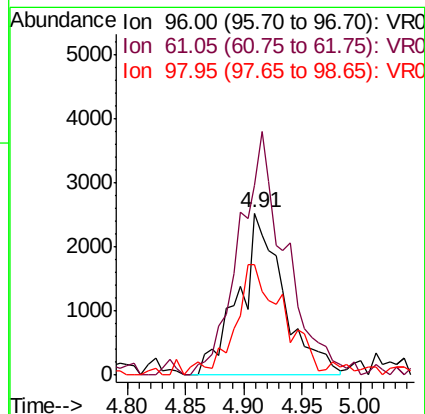
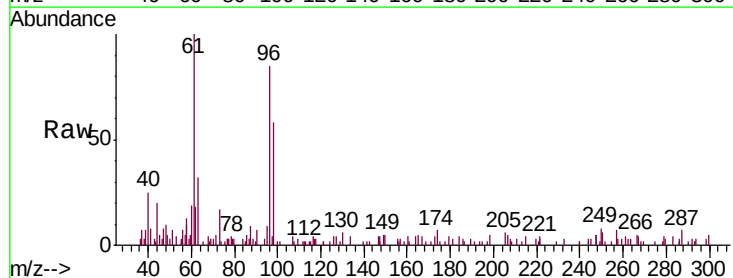
Tgt Ion: 73 Resp: 5631
 Ion Ratio Lower Upper
 73 100
 43 17.8 14.7 22.1
 57 6.4 18.9 28.3#

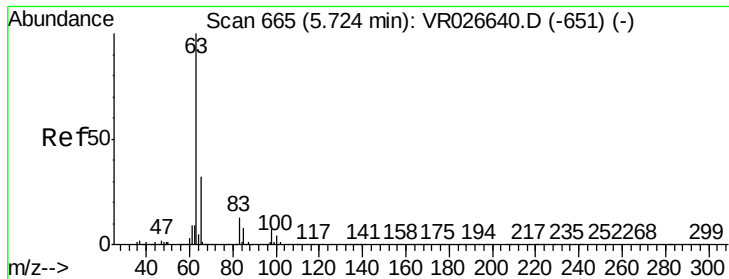


#18

trans-1,2-Dichloroethene
 Concen: 0.230 ug/L
 RT: 4.91 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion: 96 Resp: 6789
 Ion Ratio Lower Upper
 96 100
 61 117.2 104.4 194.0
 98 68.5 44.2 82.0

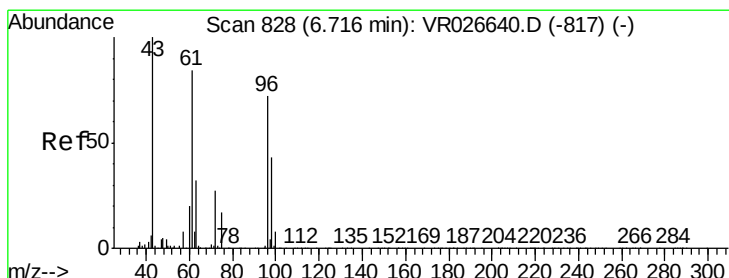
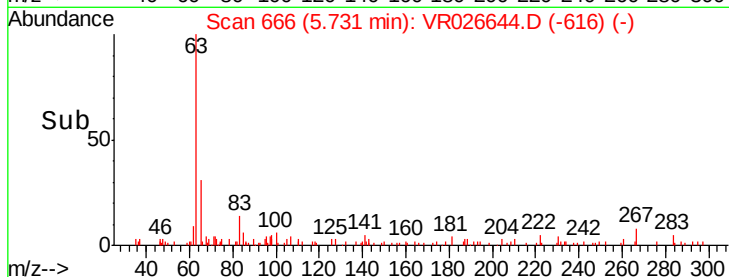
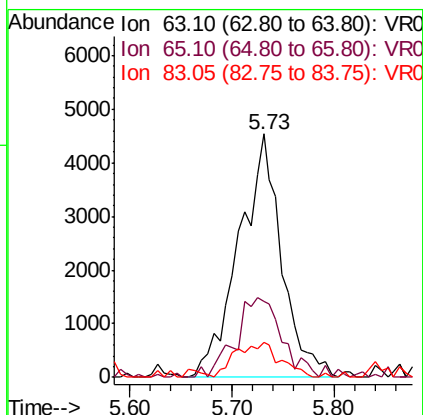
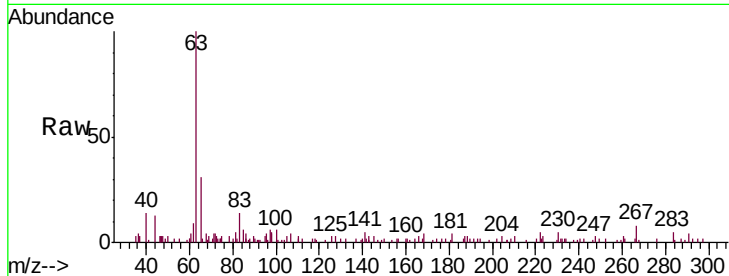




#19
 1,1-Dichloroethane
 Concen: 0.237 ug/L
 RT: 5.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

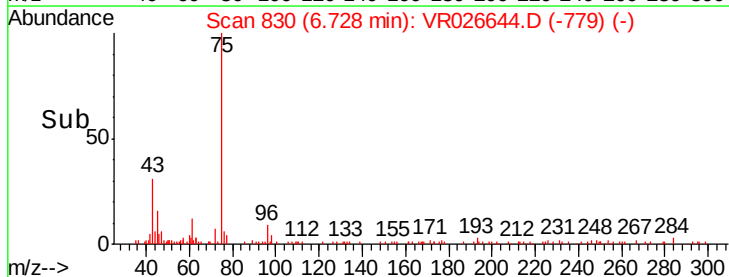
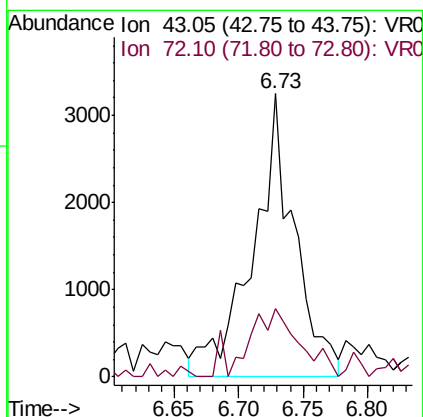
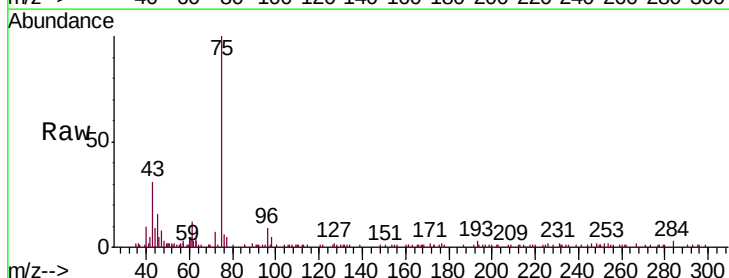
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

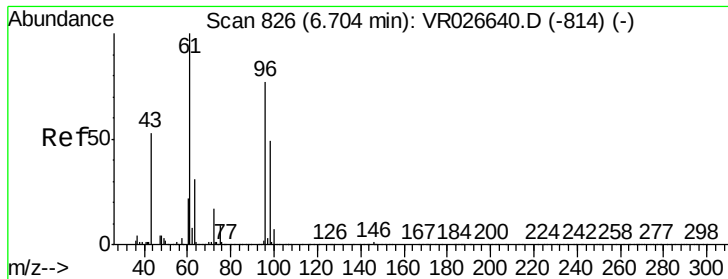
Tgt Ion:	63	Resp:	13158
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.5	41.9
83	14.4	8.6	16.0



#21
 2-Butanone
 Concen: 2.780 ug/L
 RT: 6.73 min Scan# 830
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion:	43	Resp:	7300
Ion	Ratio	Lower	Upper
43	100		
72	27.4	15.0	45.1



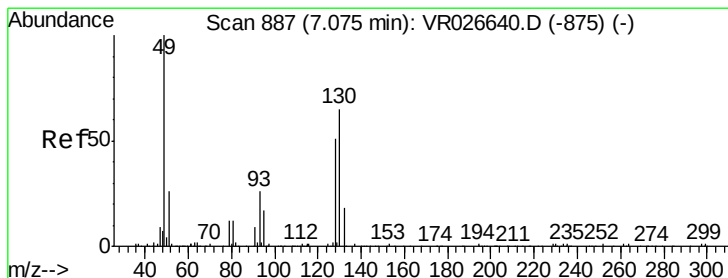
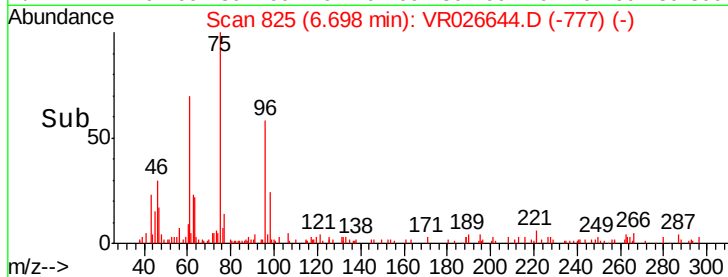
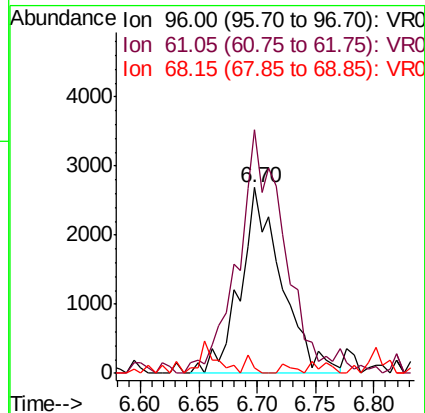
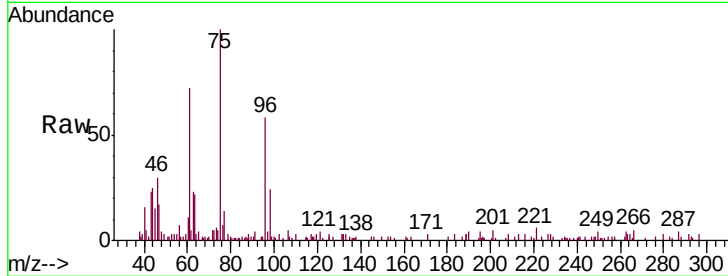


#22

cis-1,2-Dichloroethene
 Concen: 0.233 ug/L
 RT: 6.70 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

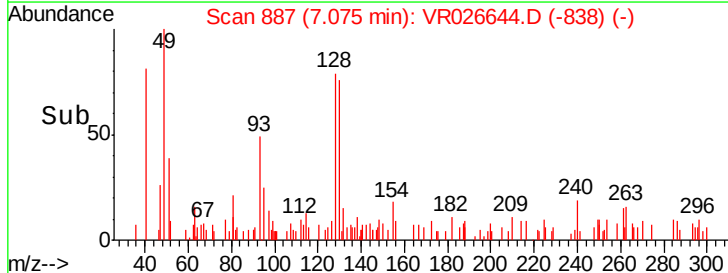
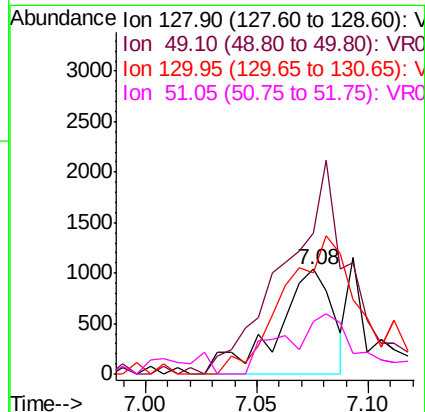
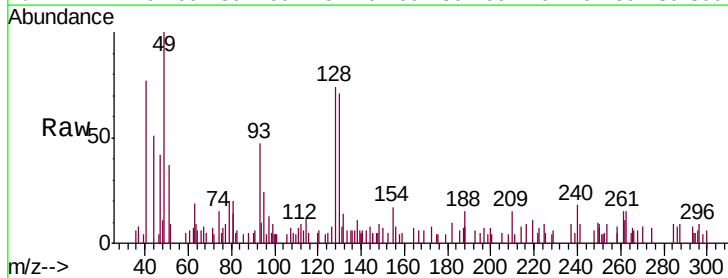
Tgt Ion: 96 Resp: 6588
 Ion Ratio Lower Upper
 96 100
 61 131.3 95.4 177.2
 68 2.7 0.0 0.0#

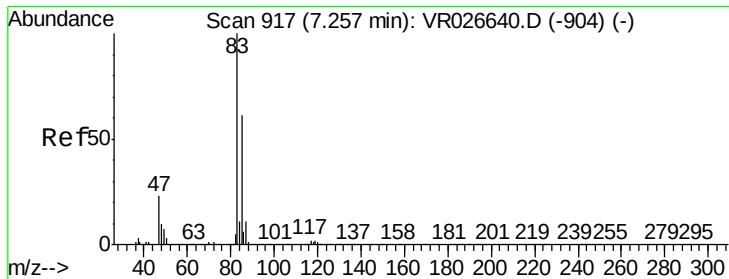


#23

Bromochloromethane
 Concen: 0.226 ug/L
 RT: 7.08 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion: 128 Resp: 1777
 Ion Ratio Lower Upper
 128 100
 49 134.4 118.6 220.3
 130 96.1 80.6 149.6
 51 49.7 41.5 62.3

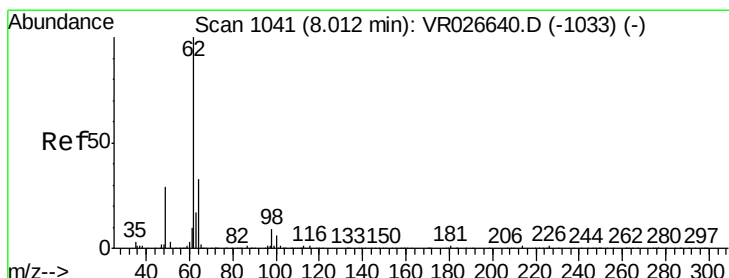
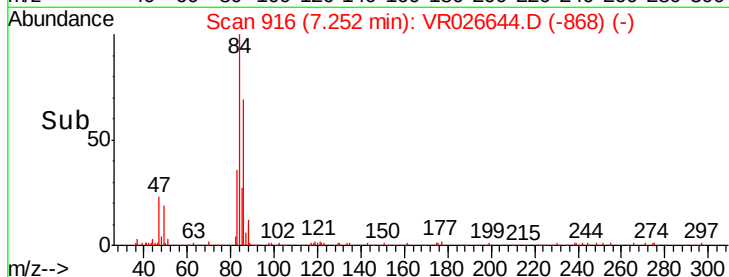
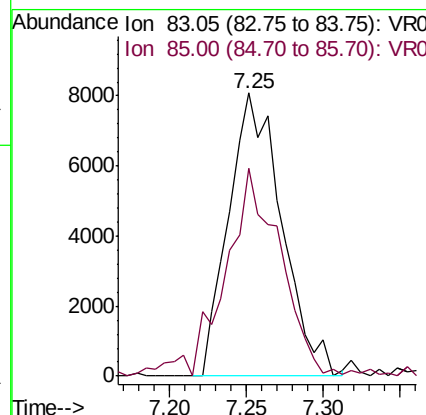
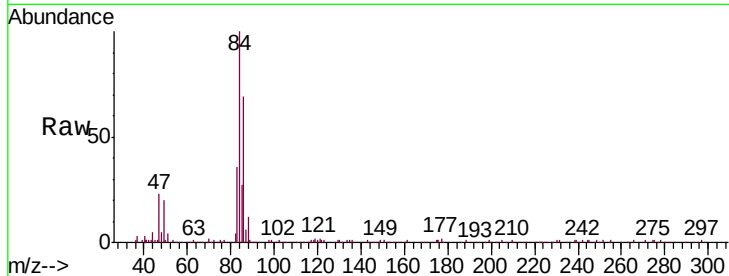




#25
Chloroform
Concen: 0.367 ug/L
RT: 7.25 min Scan# 916
Delta R.T. -0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

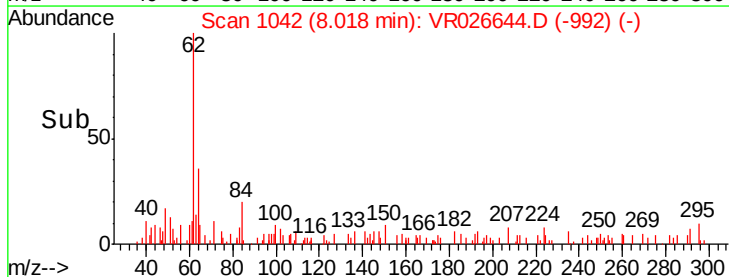
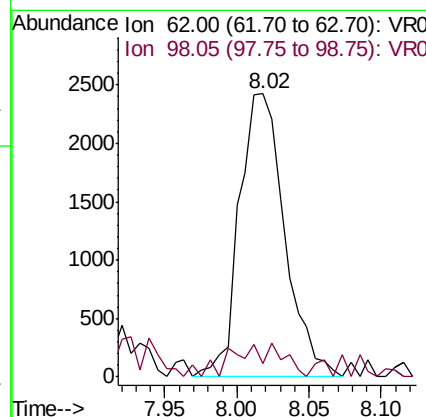
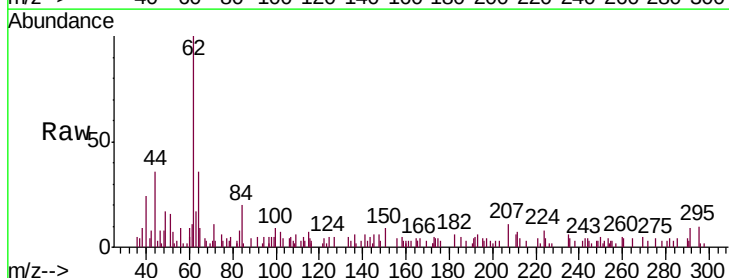
Instrument :
MSVOA_R
ClientSampleId :
MDL04

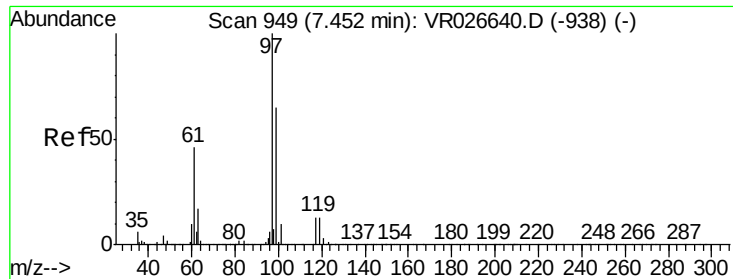
Tgt Ion: 83 Resp: 19502
Ion Ratio Lower Upper
83 100
85 73.4 44.3 82.3



#27
1,2-Dichloroethane
Concen: 0.284 ug/L
RT: 8.02 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion: 62 Resp: 5313
Ion Ratio Lower Upper
62 100
98 4.7 9.0 13.4#

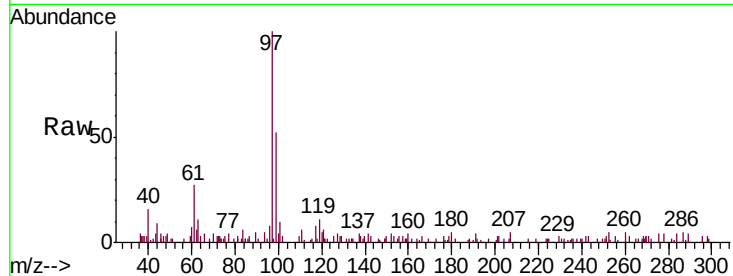




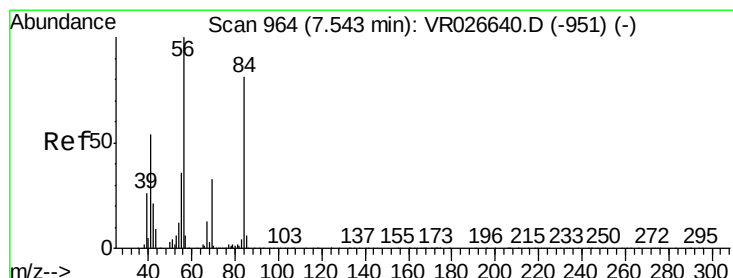
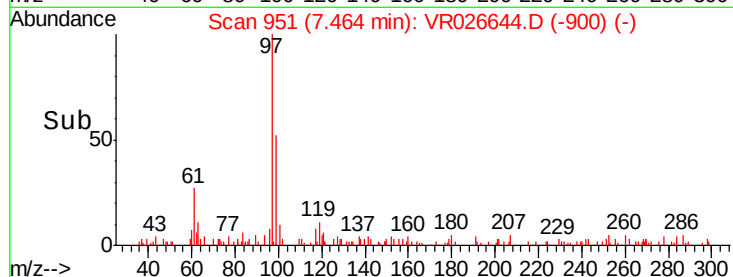
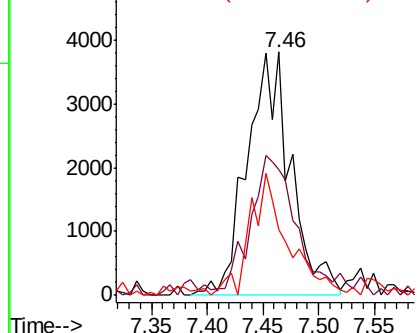
#29
1,1,1-Trichloroethane
Concen: 0.244 ug/L
RT: 7.46 min Scan# 951
Delta R.T. 0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Instrument :
MSVOA_R
ClientSampled :
MDL04

Tgt Ion: 97 Resp: 10430
Ion Ratio Lower Upper
97 100
99 55.6 50.1 75.1
61 43.5 37.8 56.8

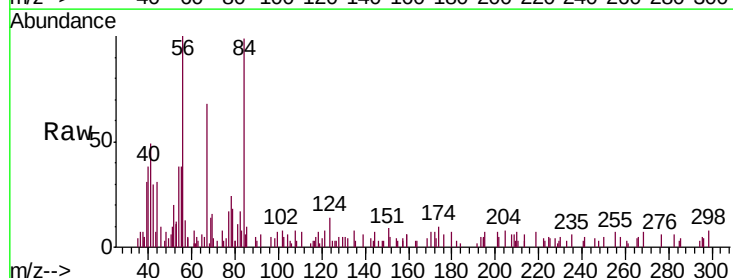


Abundance Ion 96.95 (96.65 to 97.65): VR0
Ion 99.05 (98.75 to 99.75): VR0
Ion 61.05 (60.75 to 61.75): VR0

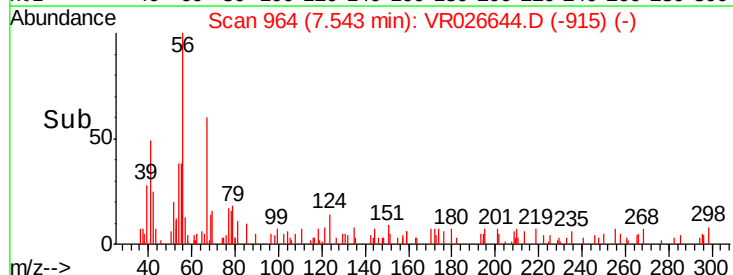
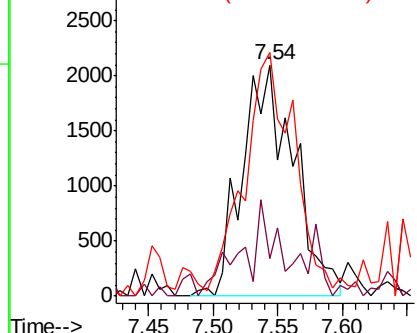


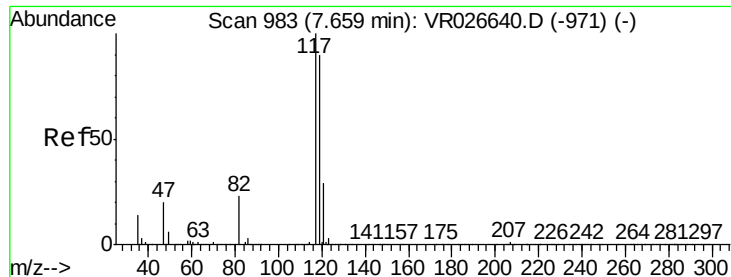
#30
Cyclohexane
Concen: 0.128 ug/L
RT: 7.54 min Scan# 964
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion: 56 Resp: 5832
Ion Ratio Lower Upper
56 100
69 27.0 25.9 38.9
84 97.0 67.6 101.4



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: 0.241 ug/L

RT: 7.67 min Scan# 985

Delta R.T. 0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

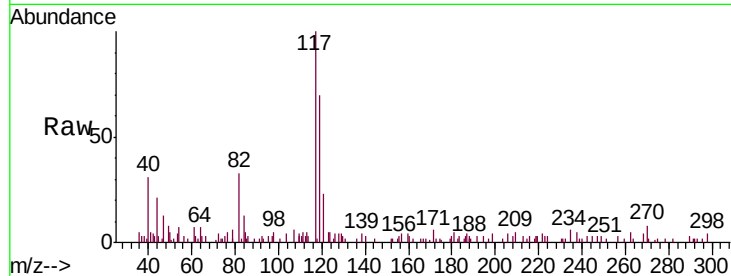
MDL04

Tgt Ion:117 Resp: 8725

Ion Ratio Lower Upper

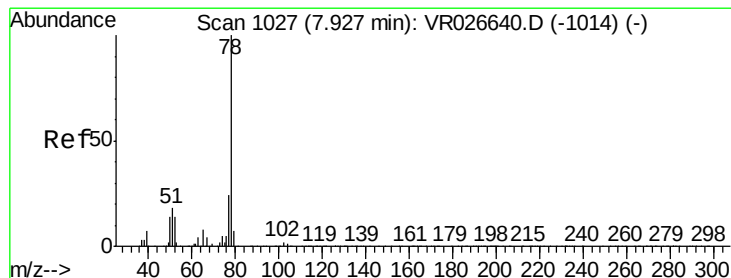
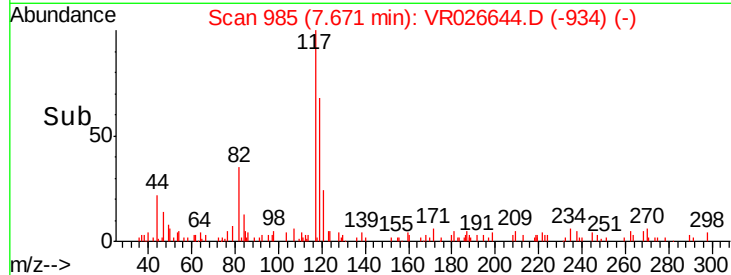
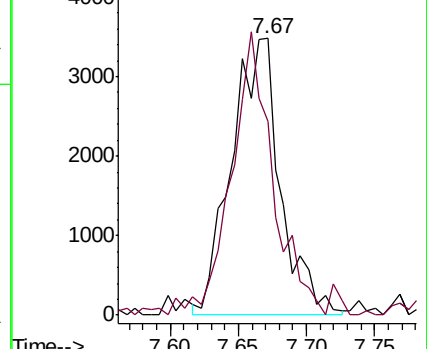
117 100

119 87.6 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.227 ug/L

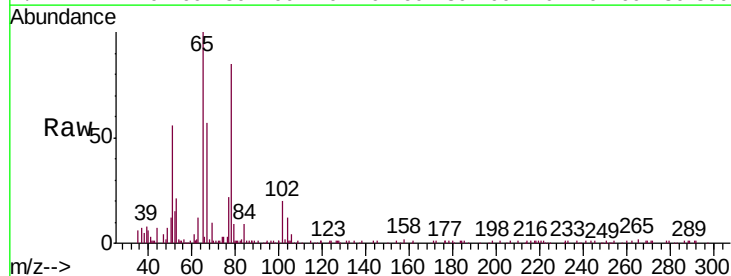
RT: 7.93 min Scan# 1028

Delta R.T. 0.01 min

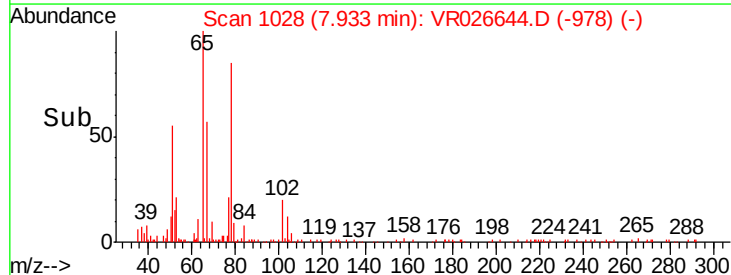
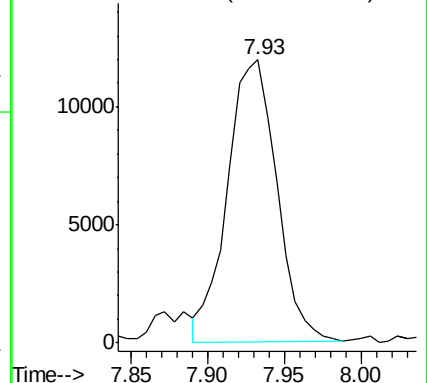
Lab File: VR026644.D

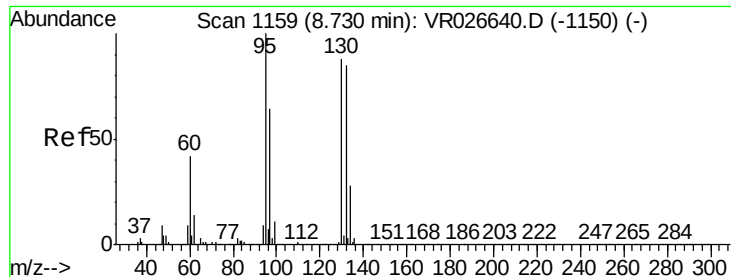
Acq: 17 Sep 2019 17:42

Tgt Ion: 78 Resp: 26736



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 0.275 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

MDL04

Tgt Ion: 95 Resp: 8069

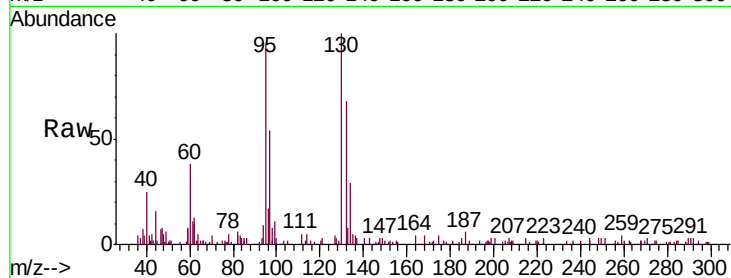
Ion Ratio Lower Upper

95 100

97 56.8 45.6 84.6

132 71.8 57.3 106.5

130 105.8 60.1 111.5

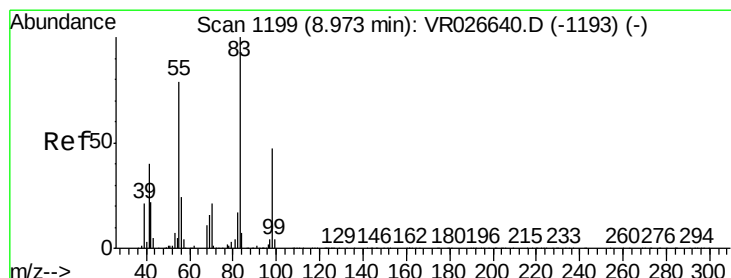
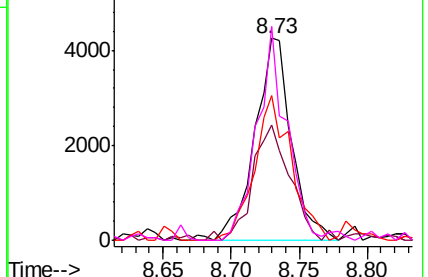
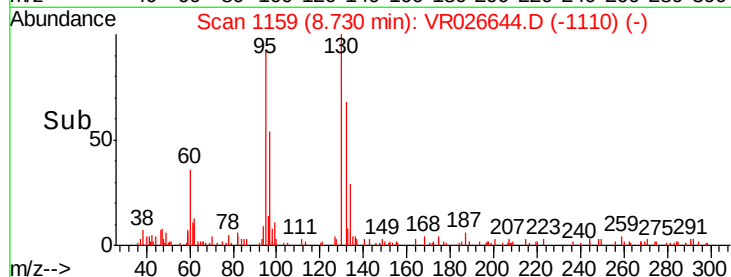


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.171 ug/L

RT: 8.98 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

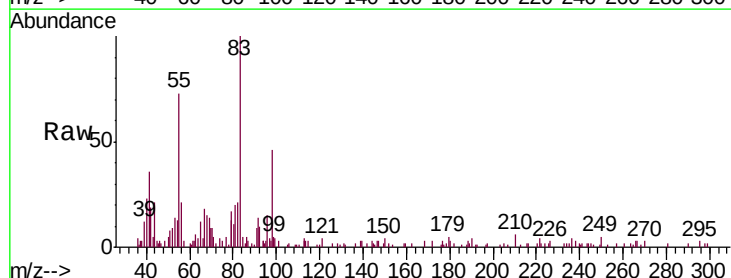
Tgt Ion: 83 Resp: 7561

Ion Ratio Lower Upper

83 100

55 89.4 63.5 95.3

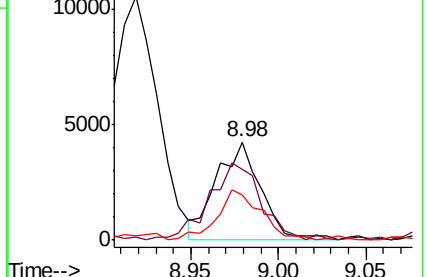
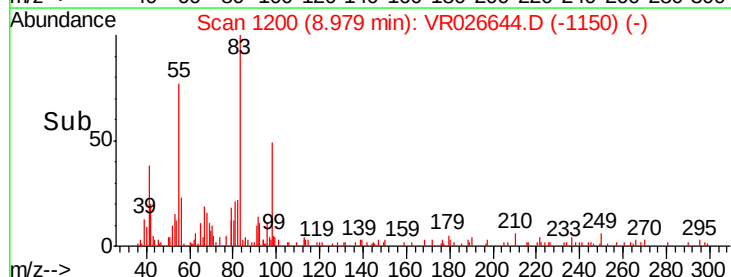
98 50.1 35.4 53.0

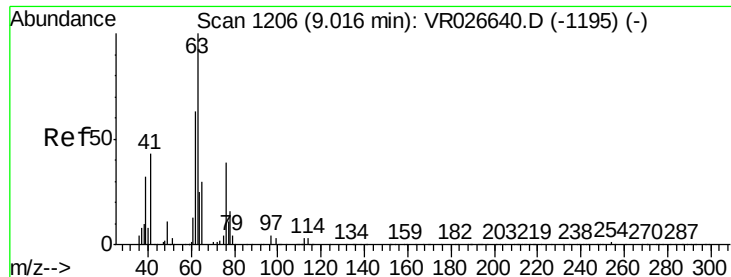


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

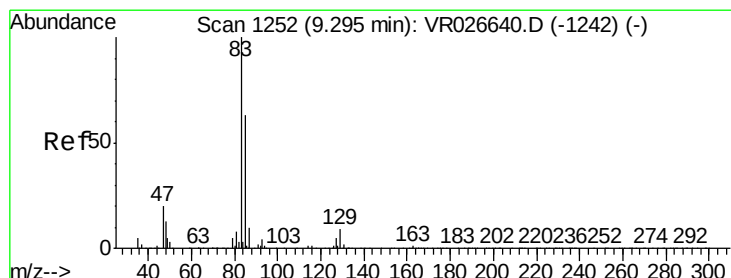
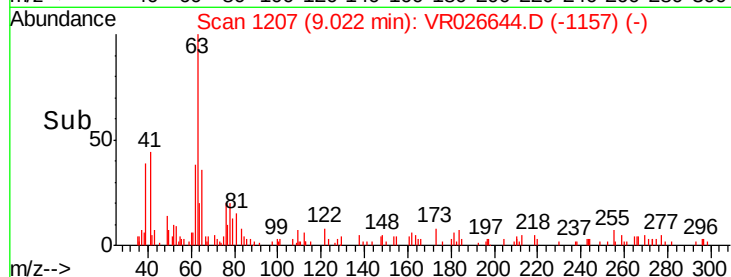
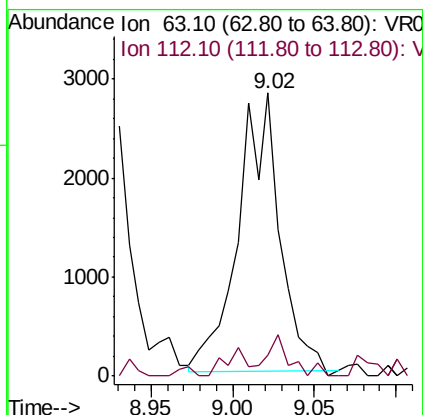
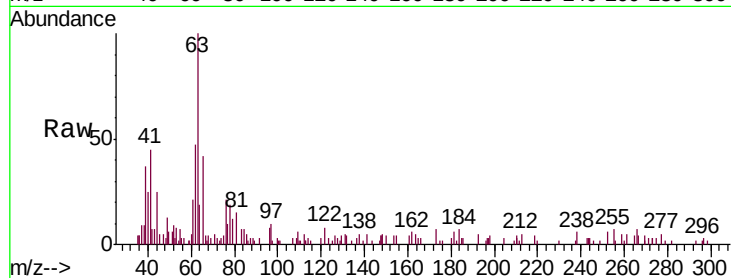




#37
 1,2-Dichloropropane
 Concen: 0.208 ug/L
 RT: 9.02 min Scan# 1207
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

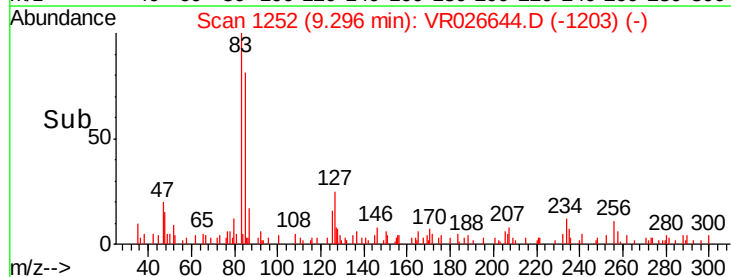
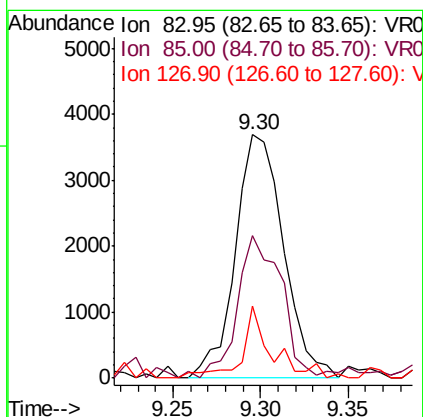
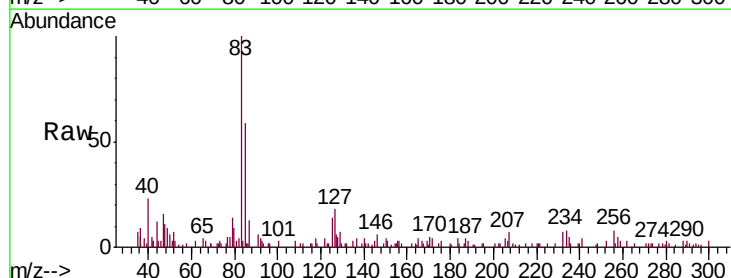
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

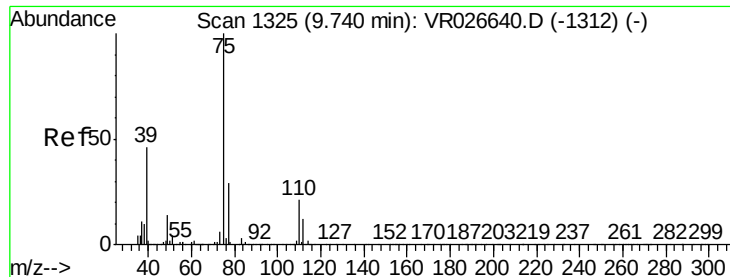
Tgt Ion: 63 Resp: 4949
 Ion Ratio Lower Upper
 63 100
 112 8.3 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 0.280 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion: 83 Resp: 7095
 Ion Ratio Lower Upper
 83 100
 85 58.5 44.0 81.8
 127 29.6 6.4 9.6#



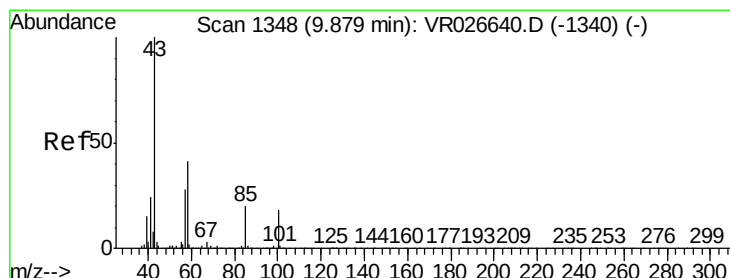
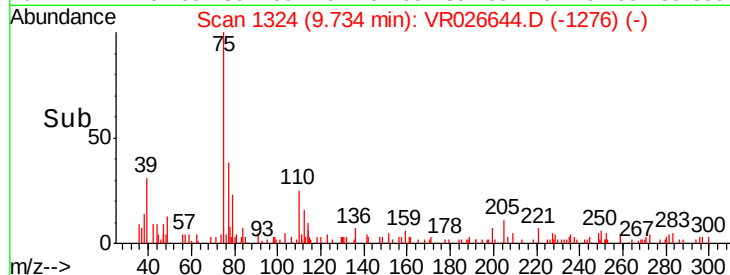
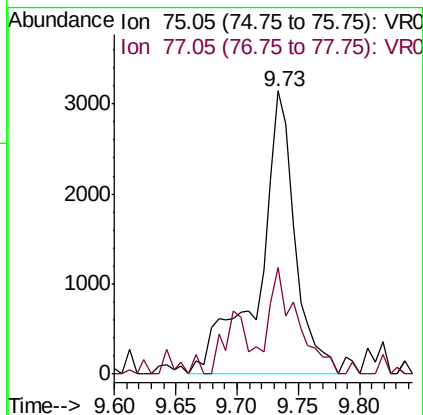
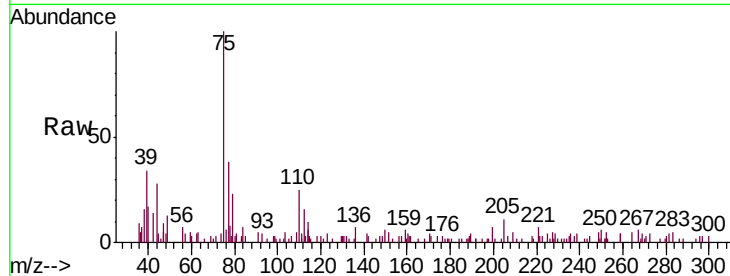


#39

cis-1,3-Dichloropropene
Concen: 0.254 ug/L
RT: 9.73 min Scan# 1324
Delta R.T. -0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Instrument :
MSVOA_R
ClientSampleId :
MDL04

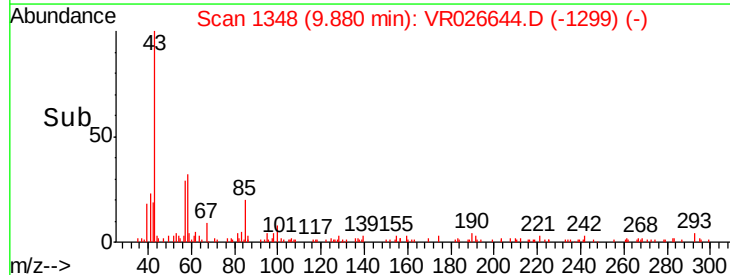
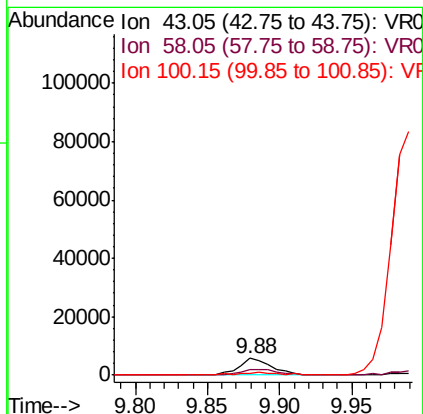
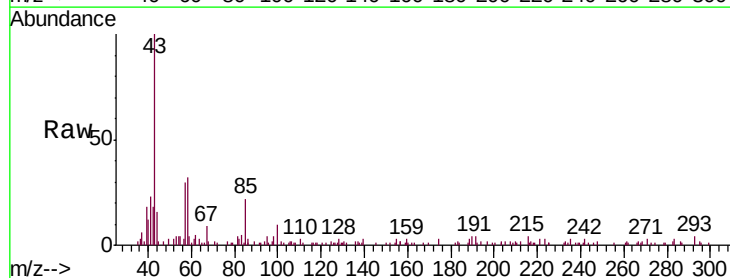
Tgt Ion: 75 Resp: 6409
Ion Ratio Lower Upper
75 100
77 37.7 21.8 40.6

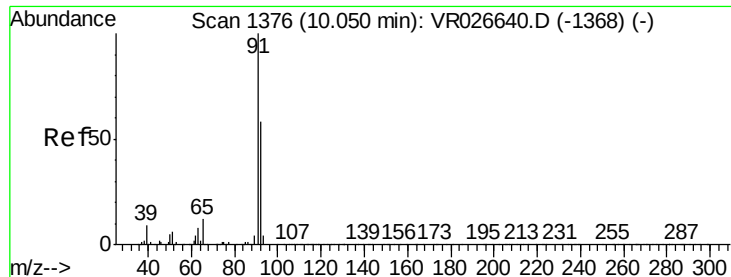


#40

4-Methyl-2-pentanone
Concen: 1.566 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion: 43 Resp: 9343
Ion Ratio Lower Upper
43 100
58 39.4 32.6 48.8
100 0.0 11.7 17.5#





#42

Toluene

Concen: 0.235 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

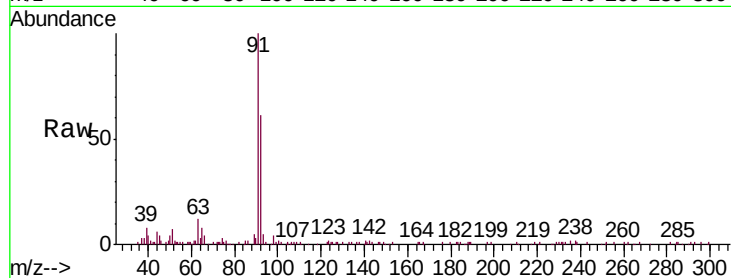
MDL04

Tgt Ion: 91 Resp: 24248

Ion Ratio Lower Upper

91 100

92 60.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

15000

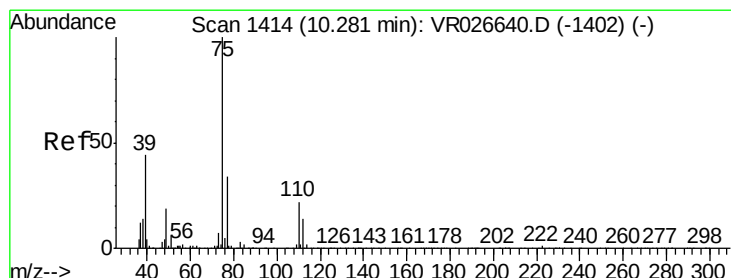
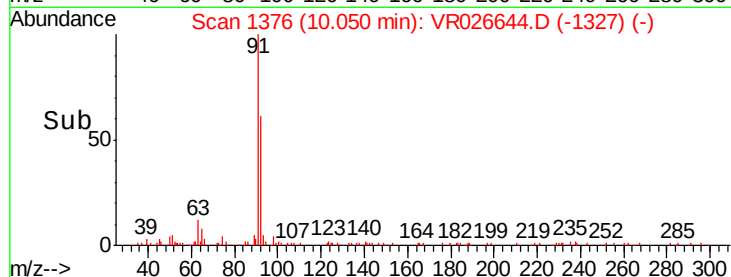
10000

5000

0

10.00 10.05 10.10 10.15

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.316 ug/L

RT: 10.29 min Scan# 1415

Delta R.T. 0.01 min

Lab File: VR026644.D

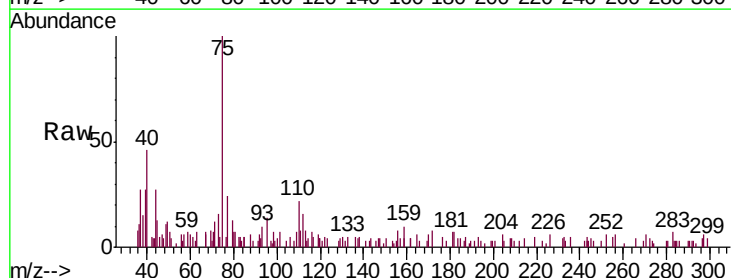
Acq: 17 Sep 2019 17:42

Tgt Ion: 75 Resp: 5134

Ion Ratio Lower Upper

75 100

77 23.9 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

2500

2000

1500

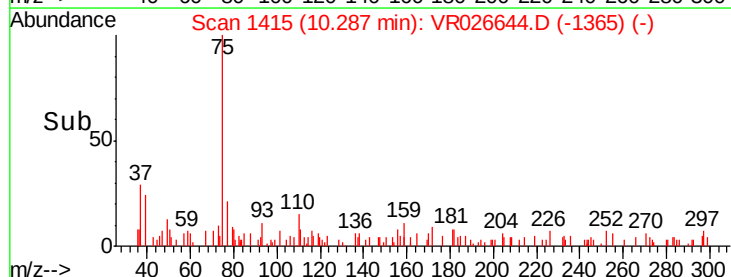
1000

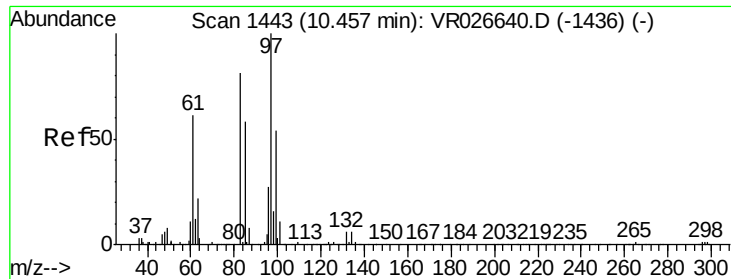
500

0

10.20 10.29 10.30

Time-->

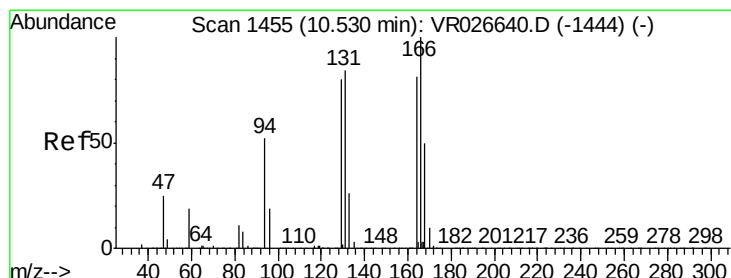
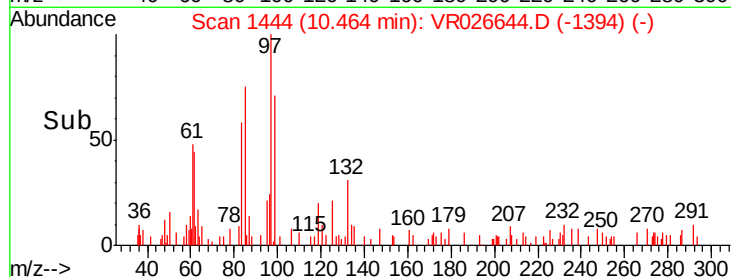
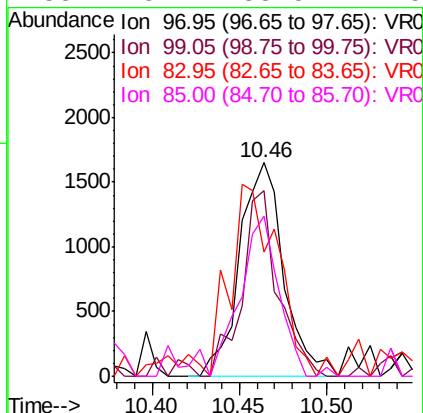
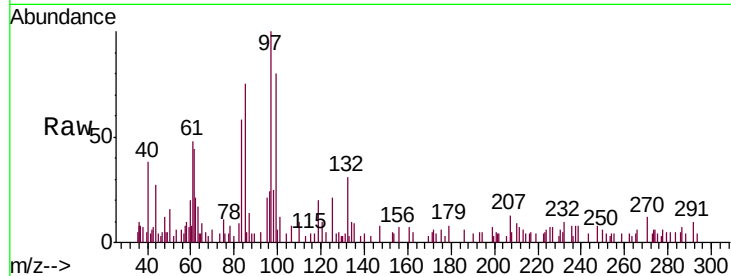




#45
 1,1,2-Trichloroethane
 Concen: 0.285 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

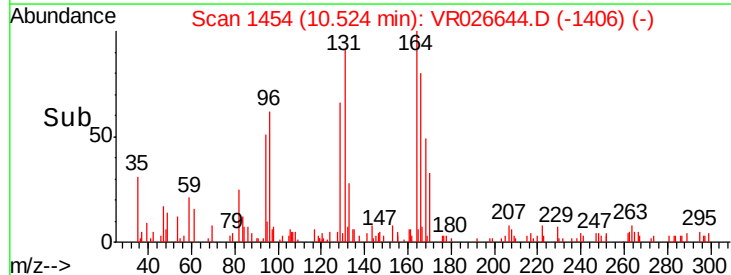
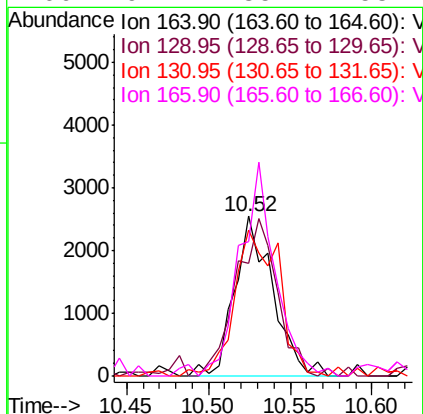
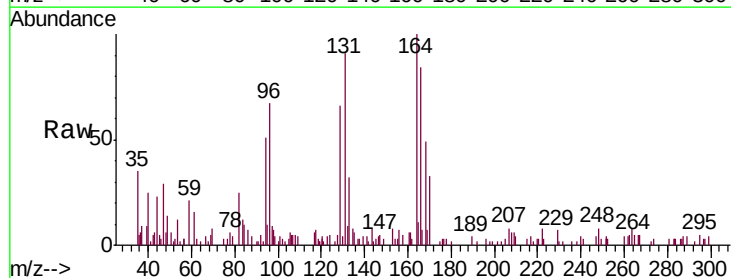
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

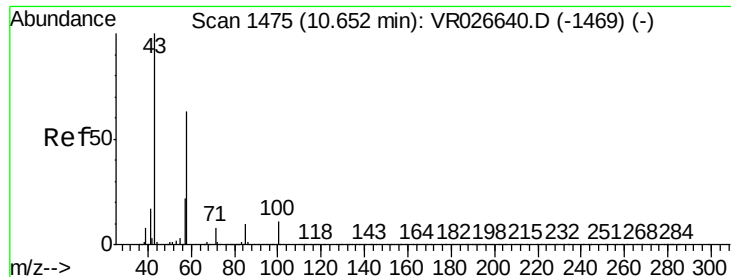
Tgt Ion:	97	Resp:	2895
Ion	Ratio	Lower	Upper
97	100		
99	86.7	45.6	84.6#
83	58.0	64.5	119.9#
85	75.1	38.5	71.5#



#47
 Tetrachloroethene
 Concen: 0.240 ug/L
 RT: 10.52 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion:	164	Resp:	4159
Ion	Ratio	Lower	Upper
164	100		
129	70.5	74.8	139.0#
131	91.3	69.1	128.3
166	91.7	85.2	158.2

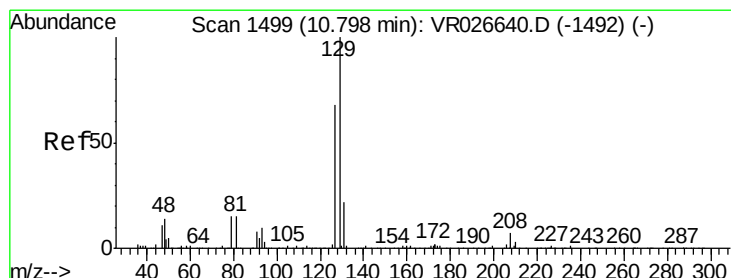
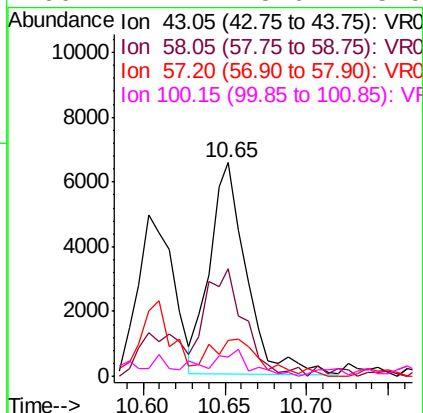
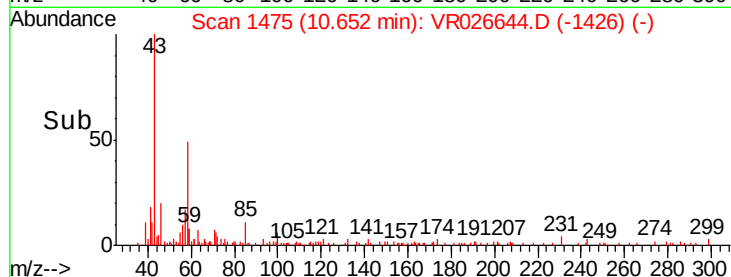
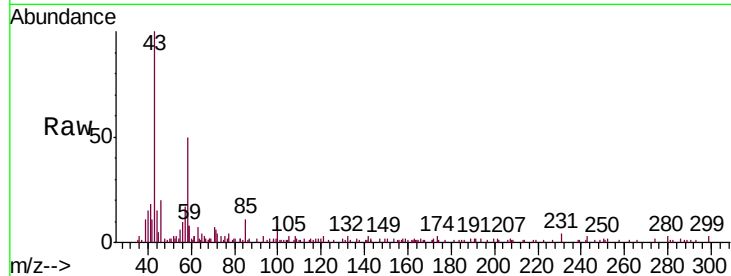




#48
2-Hexanone
Concen: 2.710 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

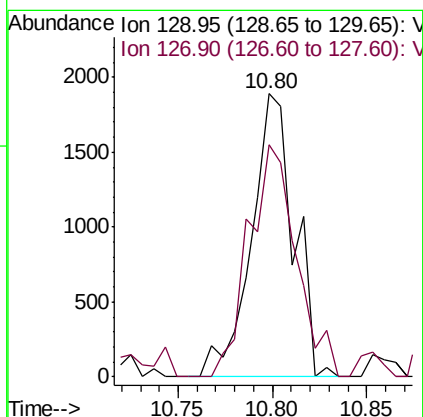
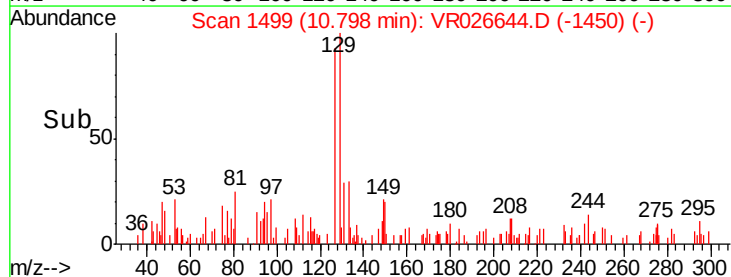
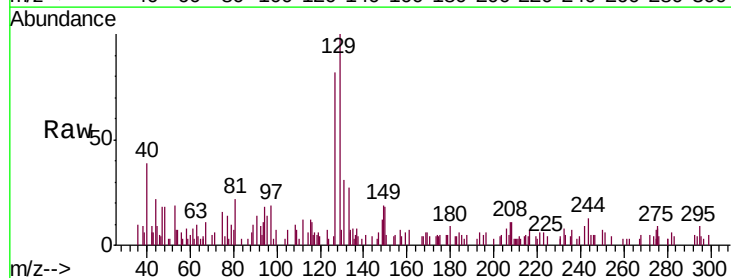
Instrument :
MSVOA_R
ClientSampleId :
MDL04

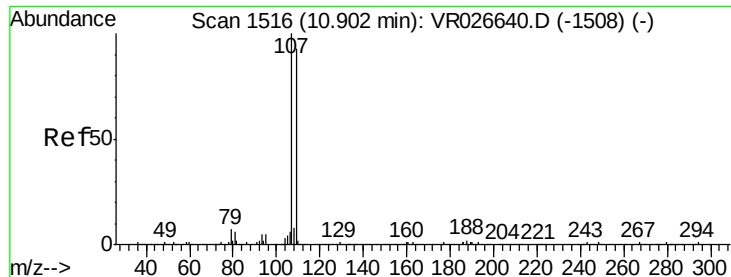
Tgt Ion: 43 Resp: 10277
Ion Ratio Lower Upper
43 100
58 53.2 46.4 69.6
57 18.9 16.7 25.1
100 14.2 8.6 13.0#



#49
Dibromochloromethane
Concen: 0.267 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion: 129 Resp: 2950
Ion Ratio Lower Upper
129 100
127 82.0 57.0 105.9

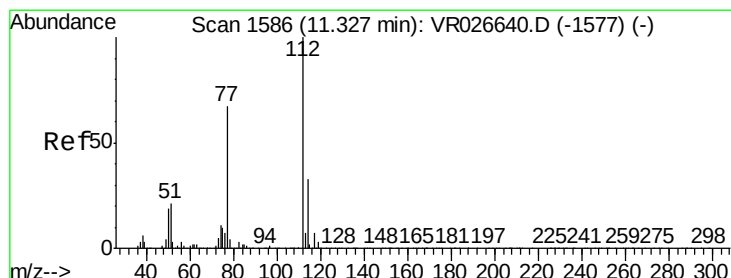
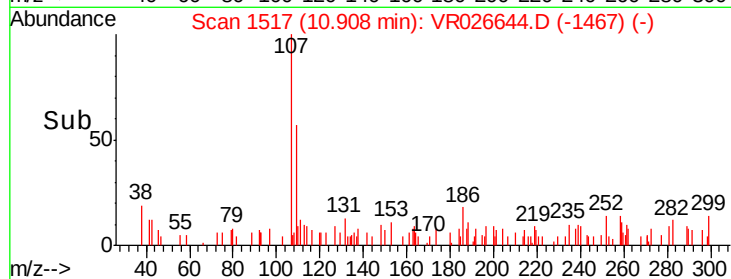
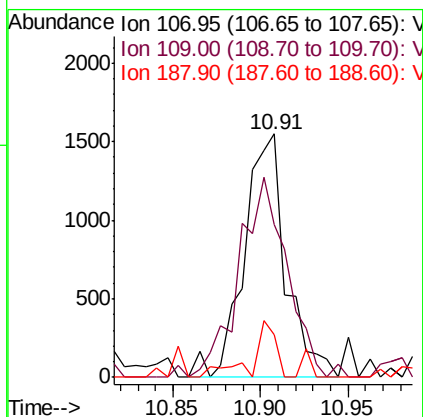
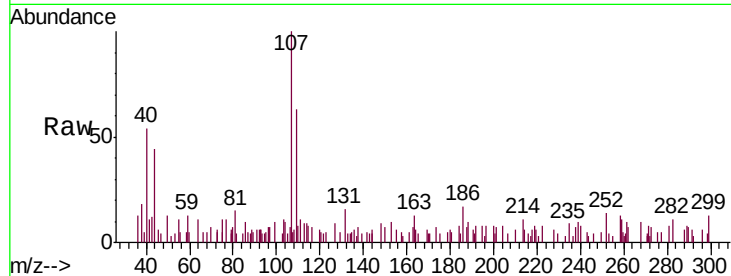




#50
1,2-Dibromoethane
Concen: 0.293 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

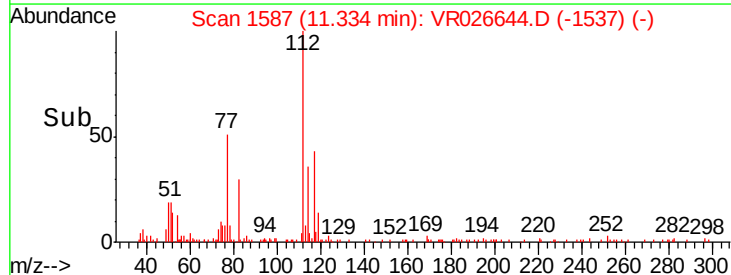
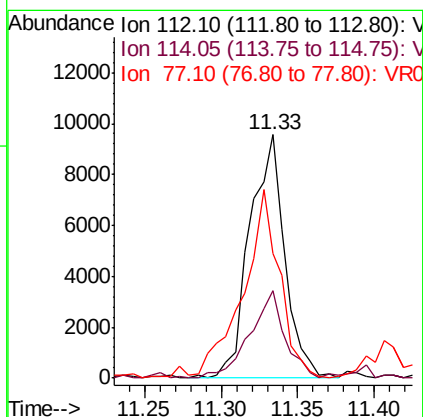
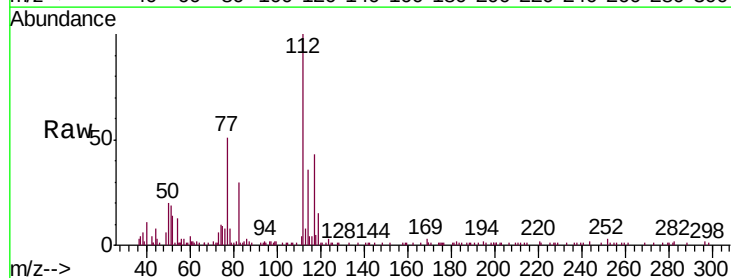
Instrument :
MSVOA_R
ClientSampleId :
MDL04

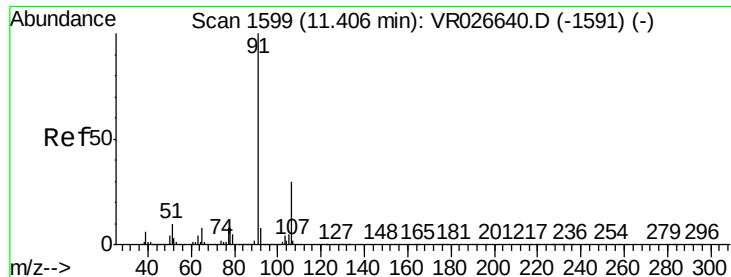
Tgt Ion:107 Resp: 2582
Ion Ratio Lower Upper
107 100
109 62.6 67.2 124.8#
188 17.6 1.8 2.8#



#51
Chlorobenzene
Concen: 0.255 ug/L
RT: 11.33 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion:112 Resp: 15268
Ion Ratio Lower Upper
112 100
114 35.7 22.7 42.1
77 51.3 54.0 81.0#





#52

Ethylbenzene

Concen: 0.183 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

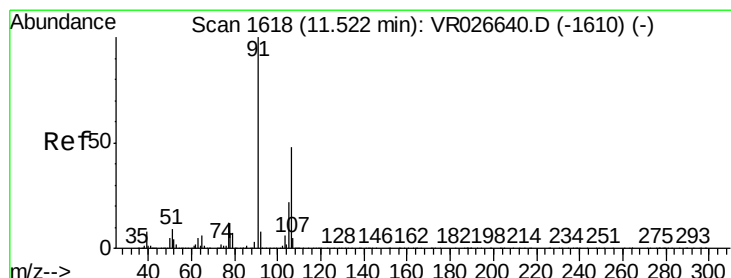
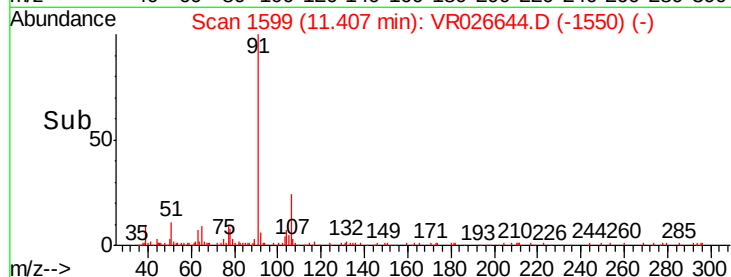
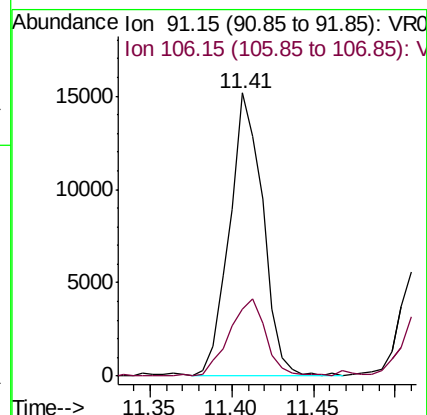
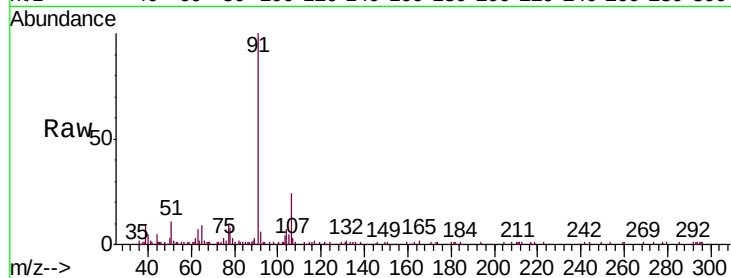
MDL04

Tgt Ion: 91 Resp: 21382

Ion Ratio Lower Upper

91 100

106 23.8 21.0 39.0



#53

m,p-Xylene

Concen: 0.181 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026644.D

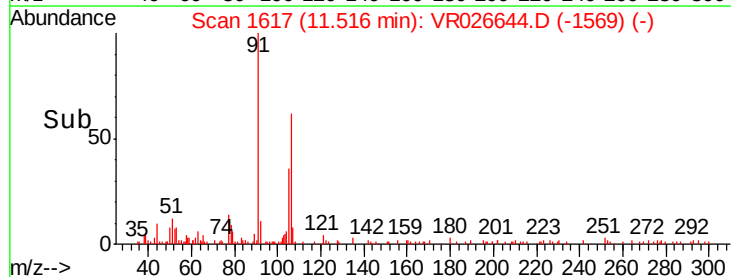
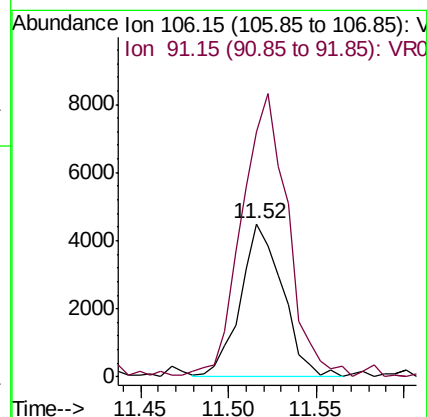
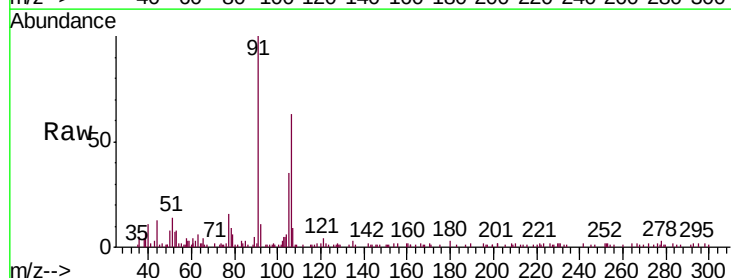
Acq: 17 Sep 2019 17:42

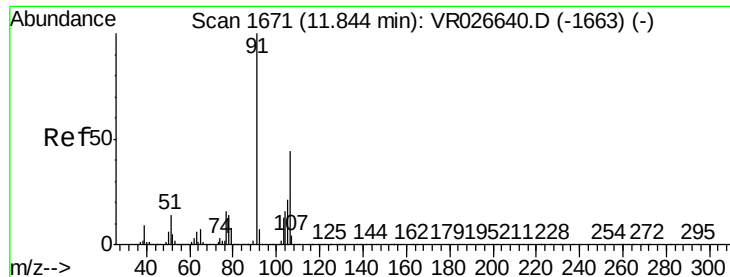
Tgt Ion: 106 Resp: 7581

Ion Ratio Lower Upper

106 100

91 159.8 146.5 272.1

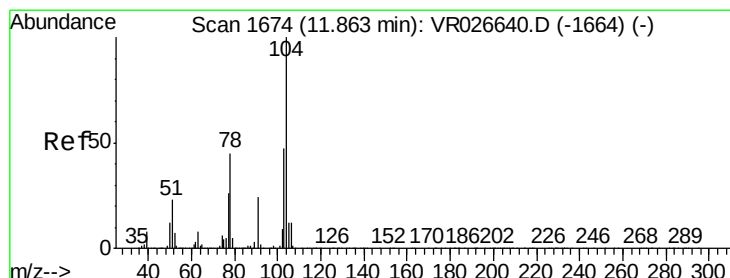
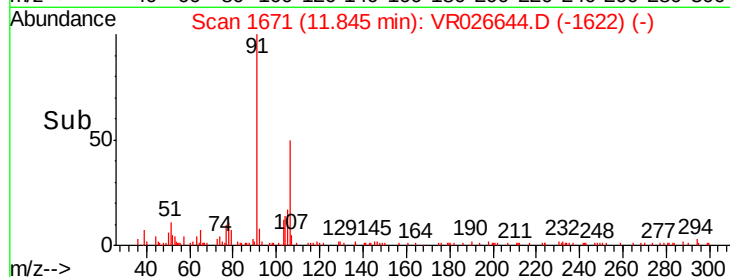
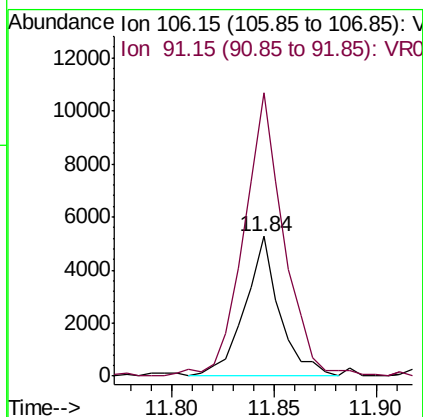
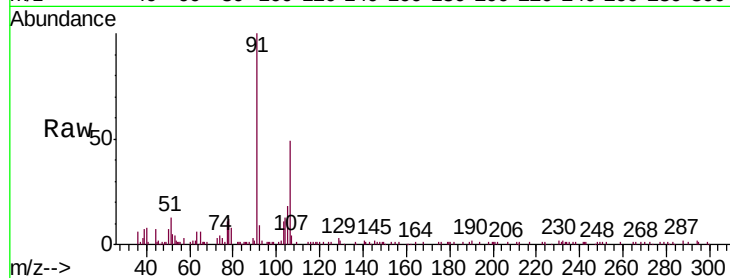




#54
o-Xylene
Concen: 0.153 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

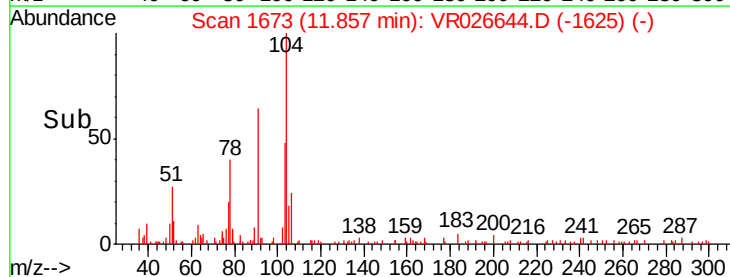
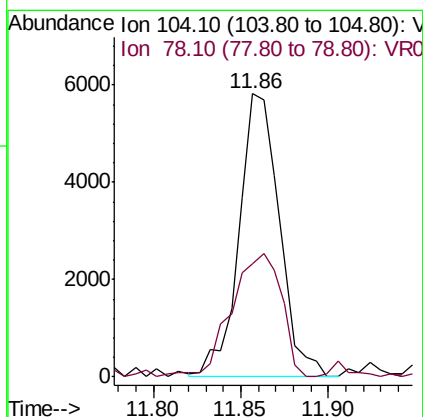
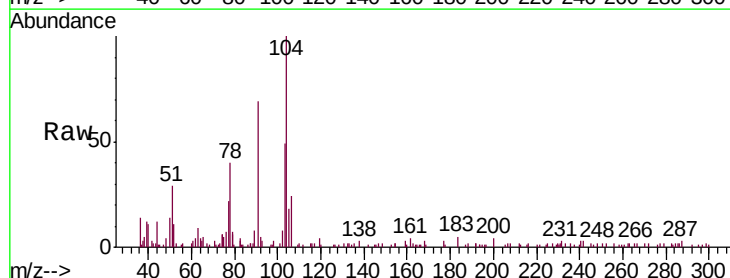
Instrument :
MSVOA_R
ClientSampled :
MDL04

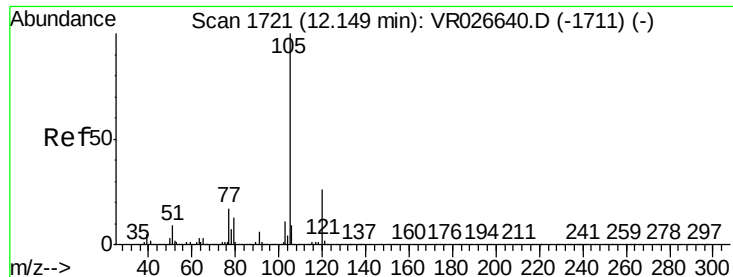
Tgt Ion:106 Resp: 6293
Ion Ratio Lower Upper
106 100
91 202.4 154.3 286.5



#55
Styrene
Concen: 0.159 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026644.D
Acq: 17 Sep 2019 17:42

Tgt Ion:104 Resp: 9395
Ion Ratio Lower Upper
104 100
78 39.8 32.5 60.3





#56

Isopropylbenzene

Concen: 0.153 ug/L

RT: 12.14 min Scan# 1720

Delta R.T. -0.01 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

MDL04

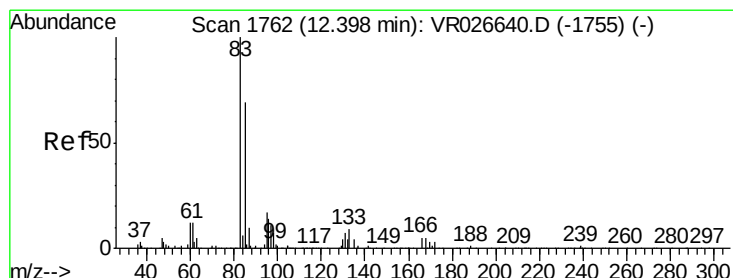
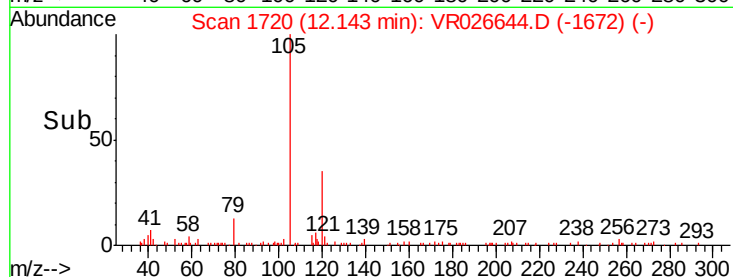
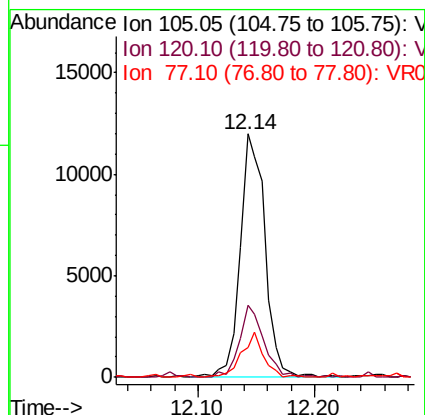
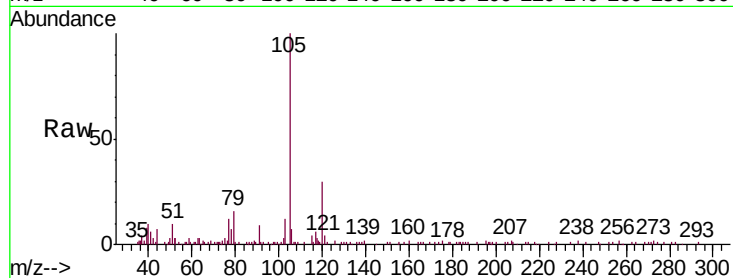
Tgt Ion: 105 Resp: 17809

Ion Ratio Lower Upper

105 100

120 29.1 20.7 31.1

77 16.1 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 0.246 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

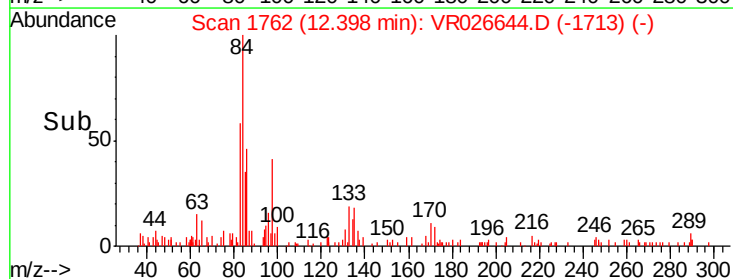
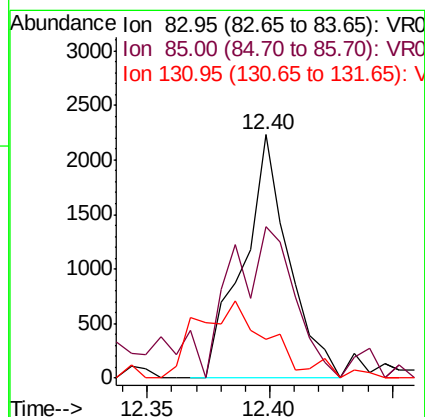
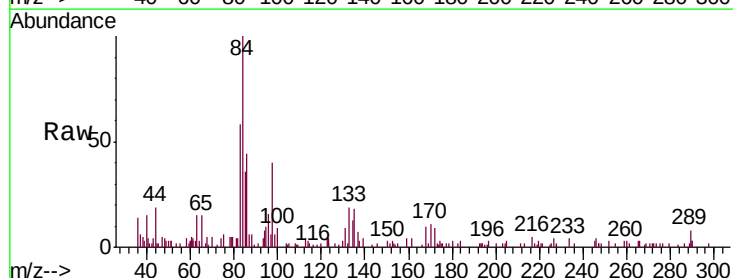
Tgt Ion: 83 Resp: 2890

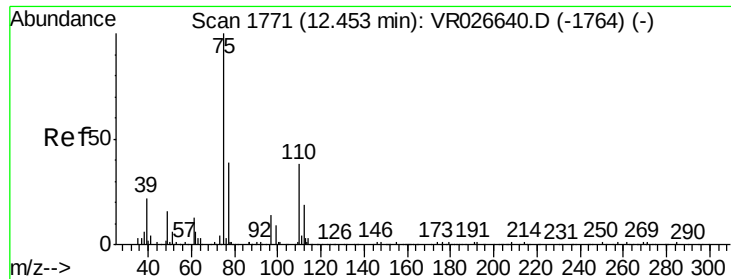
Ion Ratio Lower Upper

83 100

85 62.0 46.1 85.7

131 15.8 6.8 10.2#

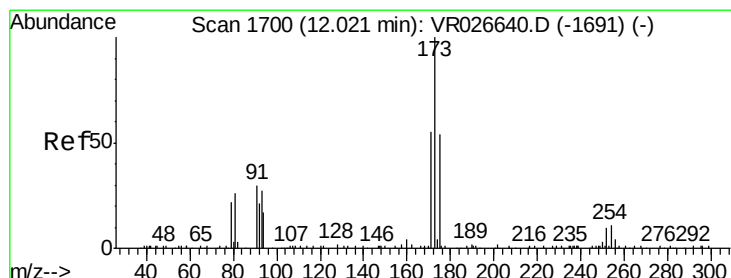
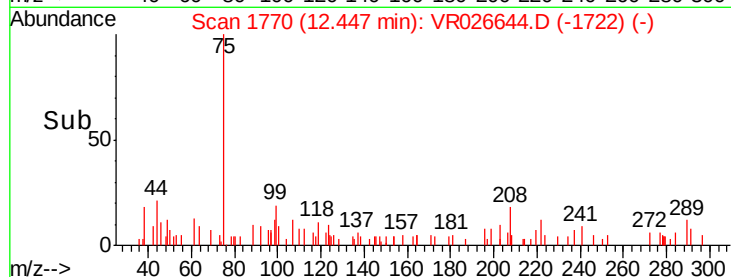
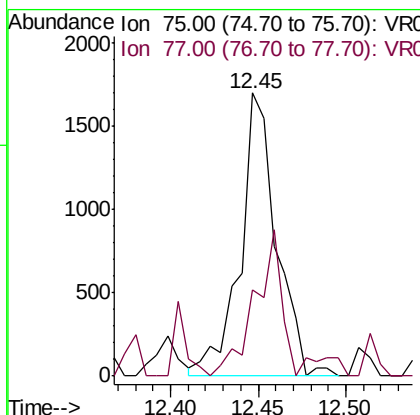
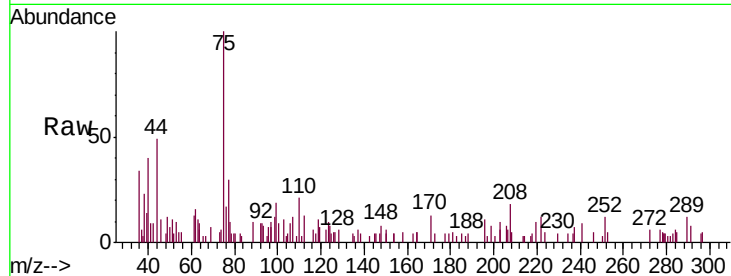




#59
 1,2,3-Trichloropropane
 Concen: 0.283 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

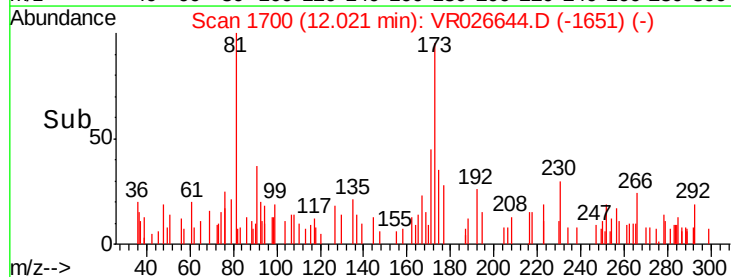
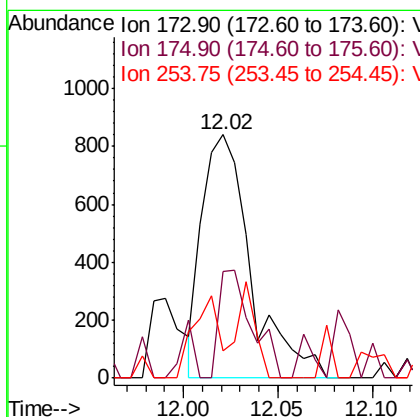
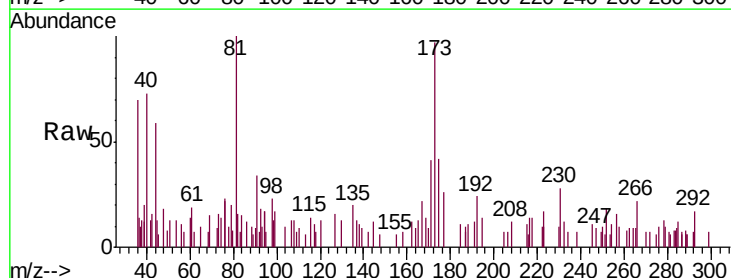
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

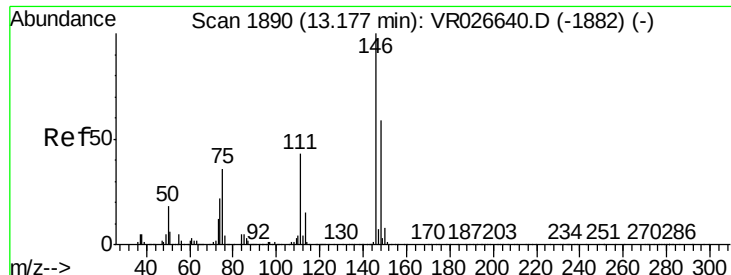
Tgt Ion: 75 Resp: 2439
 Ion Ratio Lower Upper
 75 100
 77 41.0 25.8 38.6#



#61
 Bromoform
 Concen: 0.327 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion: 173 Resp: 1510
 Ion Ratio Lower Upper
 173 100
 175 29.8 40.2 60.2#
 254 14.5 8.7 13.1#





#62

1,3-Dichlorobenzene

Concen: 0.219 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

MDL04

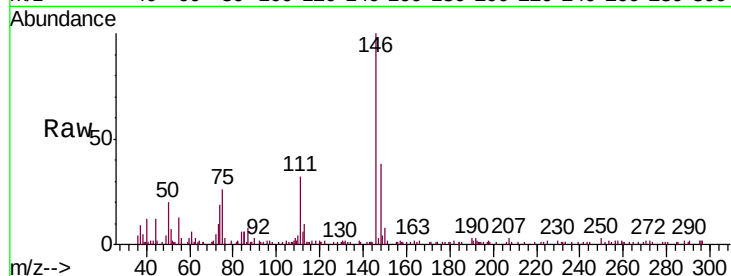
Tgt Ion:146 Resp: 9199

Ion Ratio Lower Upper

146 100

111 31.5 29.5 54.9

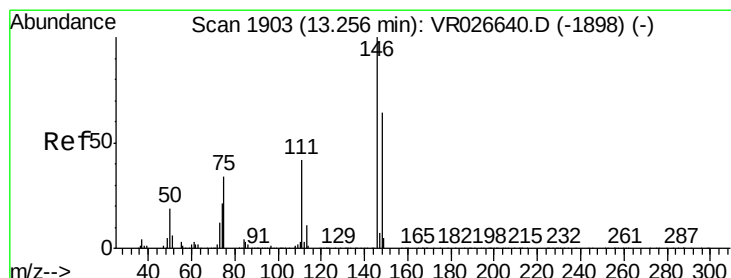
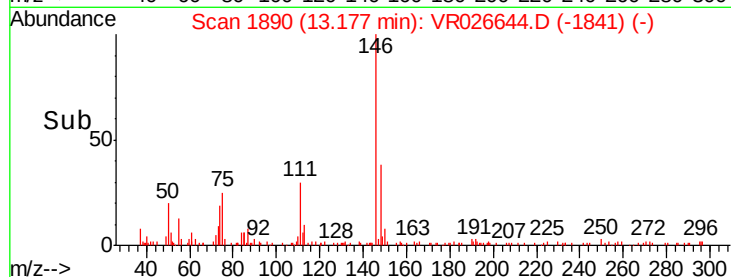
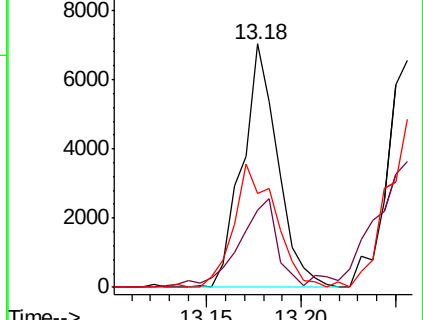
148 38.4 42.8 79.4#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.254 ug/L

RT: 13.26 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

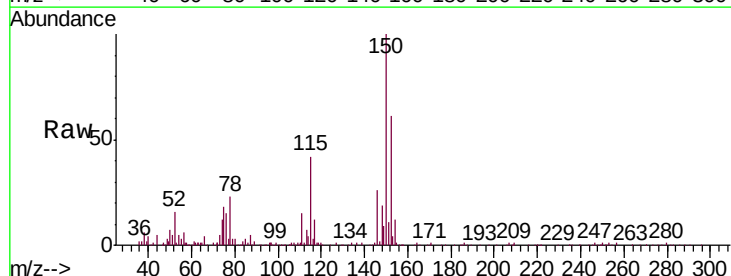
Tgt Ion:146 Resp: 10593

Ion Ratio Lower Upper

146 100

111 55.4 31.1 57.9

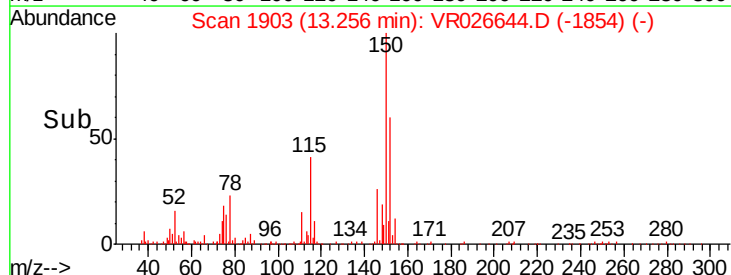
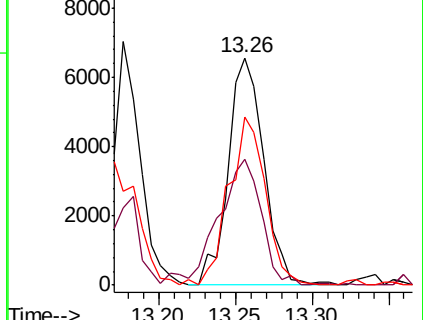
148 74.1 44.6 82.8

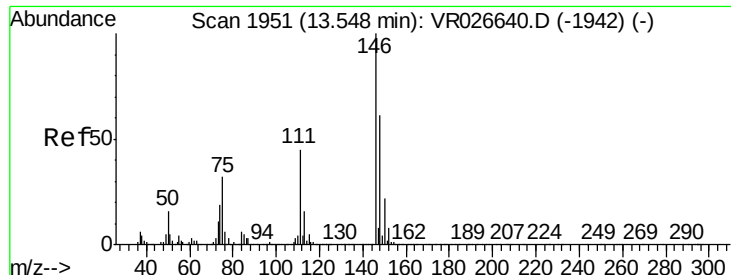


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

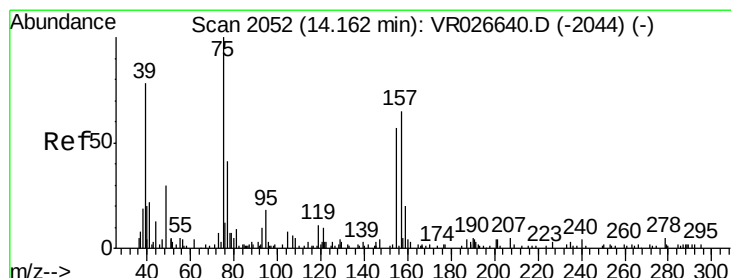
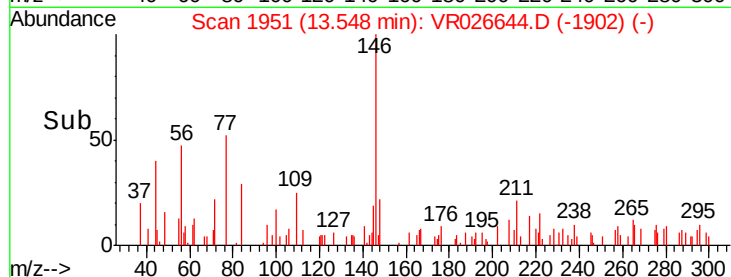
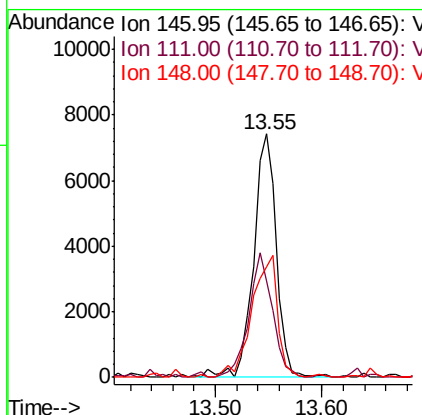
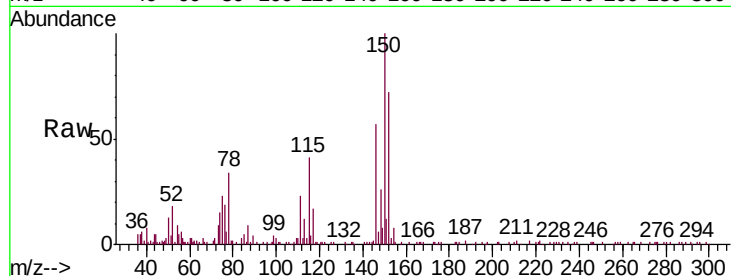




#65
 1,2-Dichlorobenzene
 Concen: 0.312 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

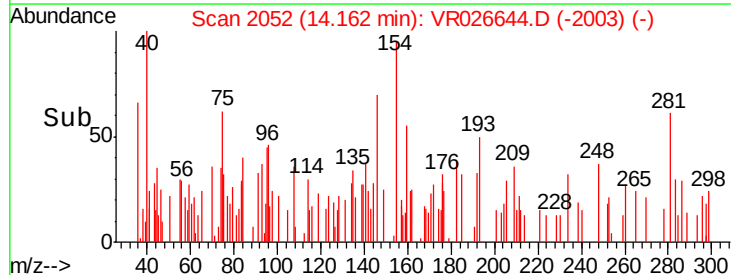
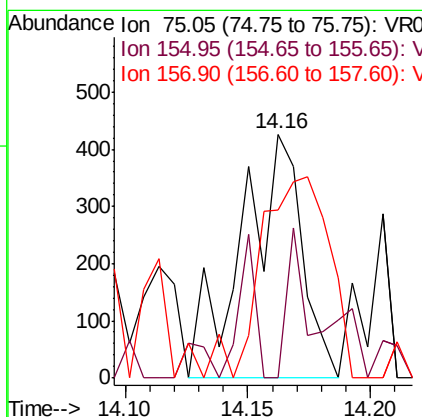
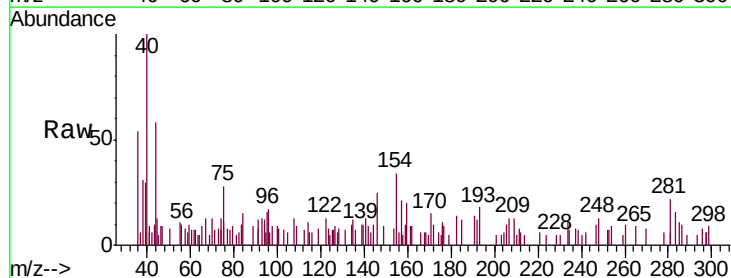
Instrument :
 MSVOA_R
 ClientSampled :
 MDL04

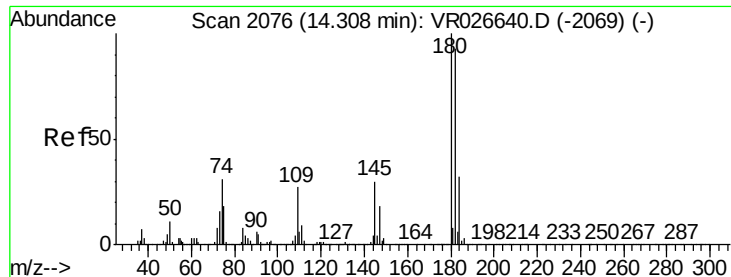
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	38.2	57.2
148	45.5	50.1	75.1#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.404 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	0.0	49.4	74.2#
157	68.8	65.2	97.8

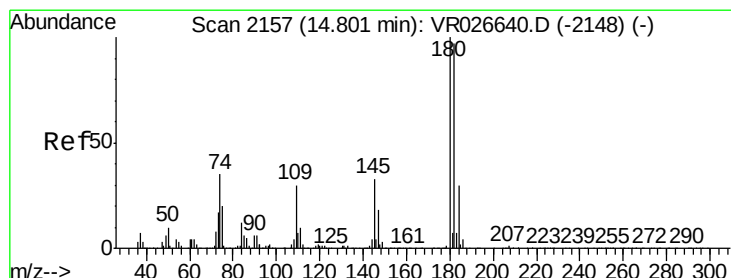
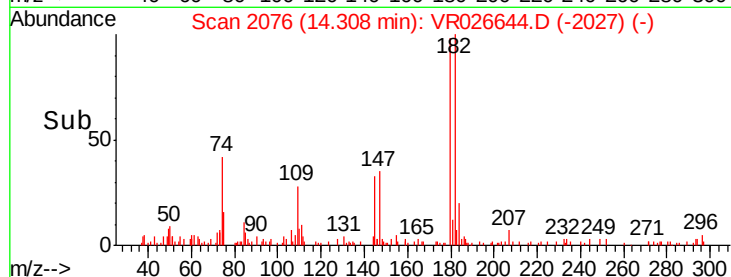
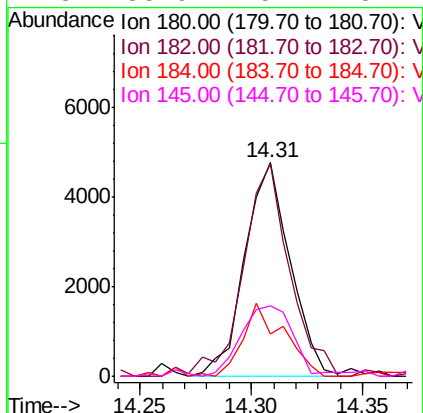
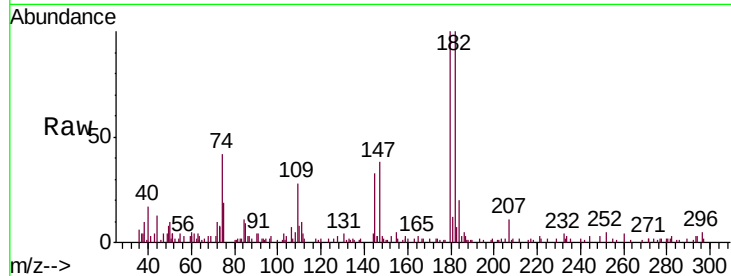




#67
 1,3,5-Trichlorobenzene
 Concen: 0.199 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

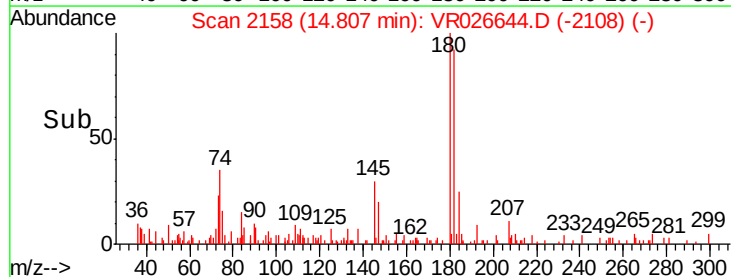
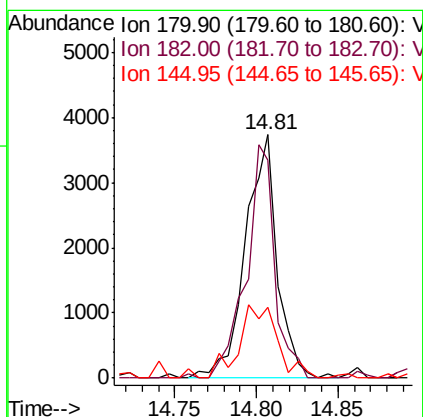
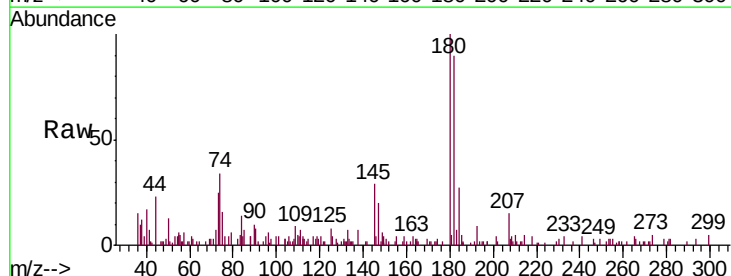
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL04

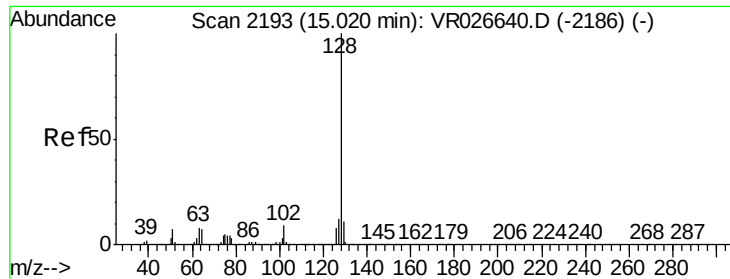
Tgt Ion:	180	Resp:	6775
Ion	Ratio	Lower	Upper
180	100		
182	101.5	76.3	114.5
184	30.5	24.4	36.6
145	38.9	25.1	37.7#



#68
 1,2,4-trichlorobenzene
 Concen: 0.211 ug/L
 RT: 14.81 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VR026644.D
 Acq: 17 Sep 2019 17:42

Tgt Ion:	180	Resp:	5068
Ion	Ratio	Lower	Upper
180	100		
182	87.2	75.1	112.7
145	37.5	25.9	38.9





#69

Naphthalene

Concen: 0.128 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Instrument :

MSVOA_R

ClientSampleId :

MDL04

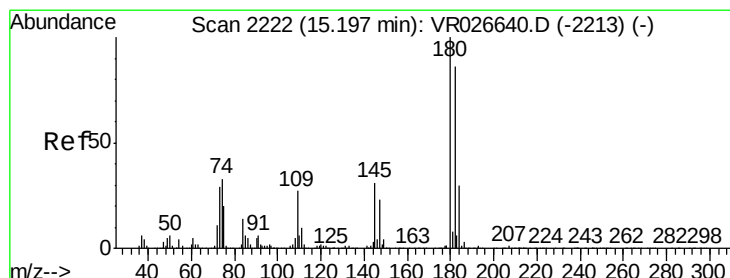
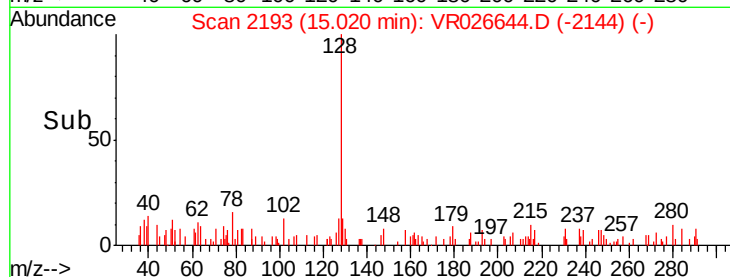
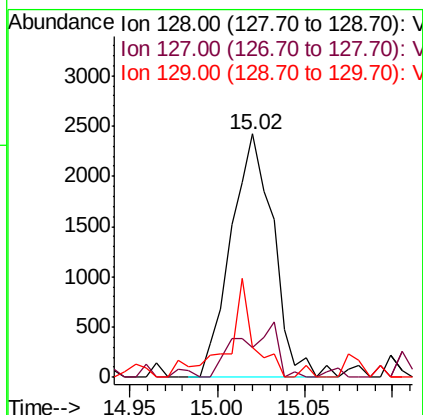
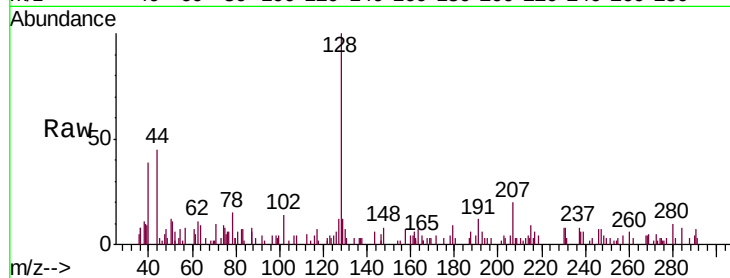
Tgt Ion:128 Resp: 4098

Ion Ratio Lower Upper

128 100

127 1.3 10.8 16.2#

129 24.8 8.9 13.3#



#70

1,2,3-Trichlorobenzene

Concen: 0.243 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026644.D

Acq: 17 Sep 2019 17:42

Tgt Ion:180 Resp: 5158

Ion Ratio Lower Upper

180 100

182 77.3 76.2 114.4

145 35.7 28.6 42.8

