

Data File : VR026645.D
Acq On : 17 Sep 2019 18:14
Operator : SY/MD
Sample : MDL05
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Quant Time: Sep 18 07:14:10 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	305011	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	254953	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	109857	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	47174	5.63	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.60%
7) Chloroethane-d5	2.63	69	45568	6.15	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.00%
11) 1,1-Dichloroethene-d2	3.63	63	89590	3.87	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.40%
20) 2-Butanone-d5	6.61	46	82912	45.61	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.22%
24) Chloroform-d	7.23	84	168197	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	7.91	65	59101	5.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.00%
32) Benzene-d6	7.88	84	314340	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	8.92	67	82087	4.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.60%
41) Toluene-d8	9.99	98	222095	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.25	79	17960	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	10.61	63	56707	49.08	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.16%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	43167	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	64322	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	10596	0.307 ug/L #	86
3) Chloromethane	2.06	50	4467	0.248 ug/L #	82
6) Bromomethane	2.54	94	3353	0.296 ug/L	75
9) Trichlorofluoromethane	2.94	101	3411	0.109 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	3088	0.226 ug/L #	66
12) 1,1-Dichloroethene	3.63	96	2306	0.171 ug/L #	1
13) Acetone	3.73	43	4442	3.250 ug/L	92
14) Carbon disulfide	3.97	76	13027	0.226 ug/L	99
15) Methyl Acetate	4.22	43	1136	0.198 ug/L #	69
16) Methylene chloride	4.43	84	5551	0.198 ug/L	90
17) Methyl tert-butyl Ether	4.93	73	4930	0.170 ug/L #	79
18) trans-1,2-Dichloroethene	4.90	96	3769	0.134 ug/L	77
19) 1,1-Dichloroethane	5.73	63	14308	0.271 ug/L #	77
22) cis-1,2-Dichloroethene	6.70	96	6812	0.253 ug/L #	84
23) Bromochloromethane	7.09	128	2672	0.357 ug/L #	55
25) Chloroform	7.25	83	17939	0.355 ug/L	84
27) 1,2-Dichloroethane	8.01	62	6210	0.349 ug/L #	85

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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
MDL05

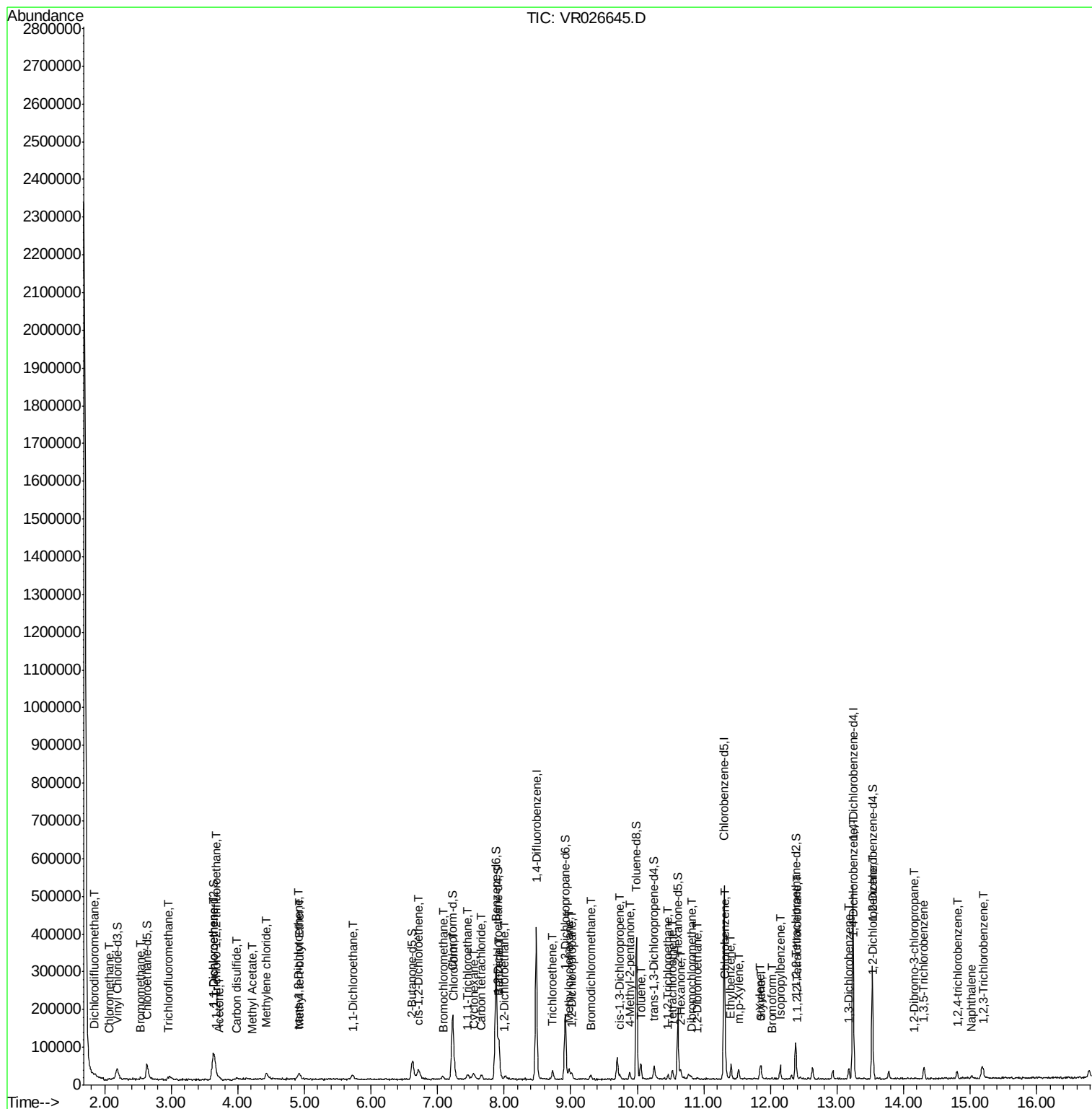
Quant Time: Sep 18 07:14:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

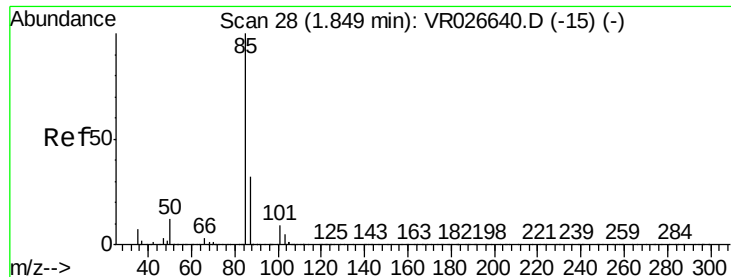
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	7.45	97	11188	0.273	ug/L	93
30) Cyclohexane	7.54	56	7480	0.171	ug/L	95
31) Carbon tetrachloride	7.65	117	8765	0.252	ug/L	100
33) Benzene	7.93	78	31737	0.281	ug/L	100
34) Trichloroethene	8.73	95	7010	0.249	ug/L	89
35) Methylcyclohexane	8.98	83	9033	0.213	ug/L	94
37) 1,2-Dichloropropane	9.01	63	5669	0.248	ug/L #	78
38) Bromodichloromethane	9.30	83	7235	0.298	ug/L #	90
39) cis-1,3-Dichloropropene	9.74	75	5582	0.231	ug/L	90
40) 4-Methyl-2-pentanone	9.88	43	9720	1.700	ug/L #	89
42) Toluene	10.05	91	26983	0.273	ug/L	98
45) 1,1,2-Trichloroethane	10.46	97	2583	0.266	ug/L #	77
47) Tetrachloroethene	10.53	164	5454	0.328	ug/L	91
48) 2-Hexanone	10.65	43	10362	2.851	ug/L #	95
49) Dibromochloromethane	10.80	129	3054	0.288	ug/L	77
50) 1,2-Dibromoethane	10.90	107	2531	0.300	ug/L #	89
51) Chlorobenzene	11.33	112	16269	0.284	ug/L	89
52) Ethylbenzene	11.41	91	23164	0.207	ug/L	94
53) m,p-Xylene	11.52	106	7486	0.187	ug/L	91
54) o-Xylene	11.84	106	7555	0.191	ug/L	87
55) Styrene	11.86	104	9011	0.159	ug/L #	77
56) Isopropylbenzene	12.15	105	20736	0.186	ug/L	94
58) 1,1,2,2-Tetrachloroethane	12.40	83	3691	0.327	ug/L #	57
61) Bromoform	12.02	173	1594	0.371	ug/L #	93
62) 1,3-Dichlorobenzene	13.18	146	10250	0.262	ug/L	91
63) 1,4-Dichlorobenzene	13.26	146	12014	0.309	ug/L	92
65) 1,2-Dichlorobenzene	13.55	146	9677	0.292	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.16	75	755	0.457	ug/L #	47
67) 1,3,5-Trichlorobenzene	14.30	180	8361	0.264	ug/L	97
68) 1,2,4-trichlorobenzene	14.81	180	4656	0.209	ug/L #	91
69) Naphthalene	15.02	128	4250	0.143	ug/L #	94
70) 1,2,3-Trichlorobenzene	15.20	180	4949	0.250	ug/L #	88

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

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ALS Vial      : 9      Sample Multiplier: 1
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.307 ug/L

RT: 1.85 min Scan# 28

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

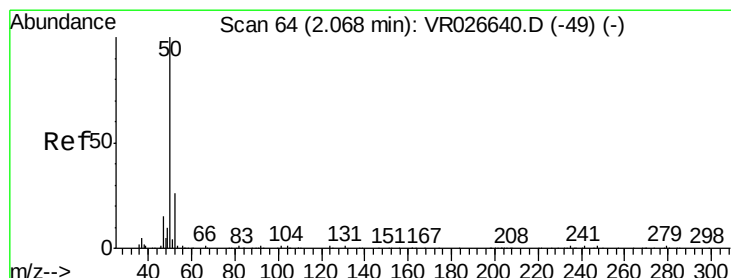
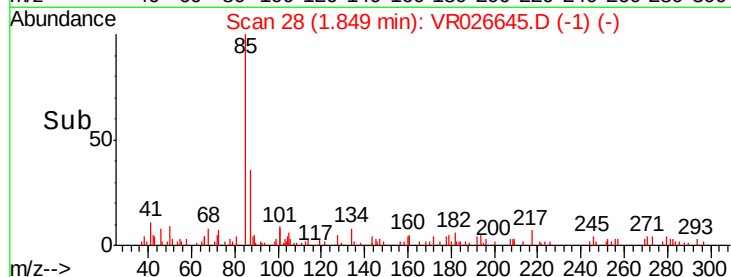
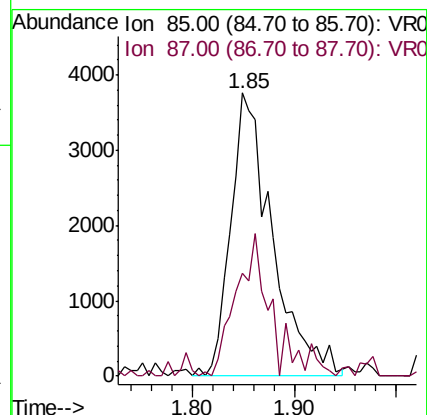
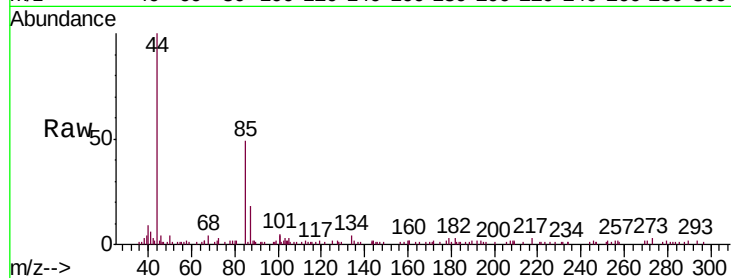
MDL05

Tgt Ion: 85 Resp: 10596

Ion Ratio Lower Upper

85 100

87 40.3 26.0 39.0#



#3

Chloromethane

Concen: 0.248 ug/L

RT: 2.06 min Scan# 63

Delta R.T. -0.01 min

Lab File: VR026645.D

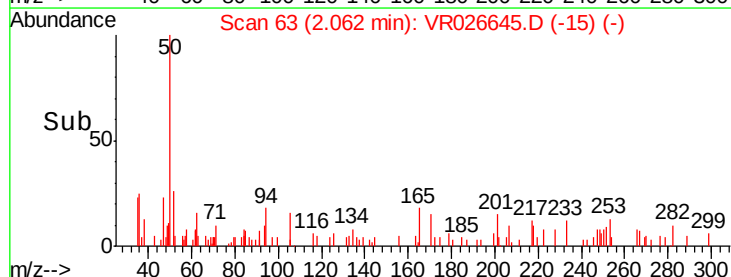
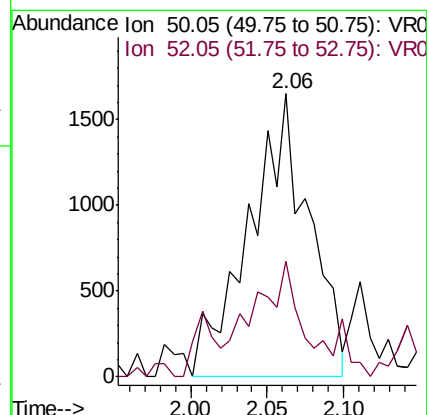
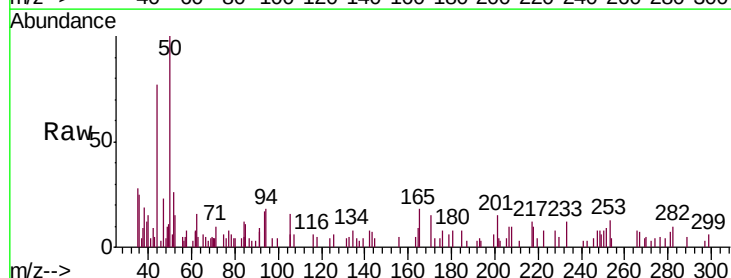
Acq: 17 Sep 2019 18:14

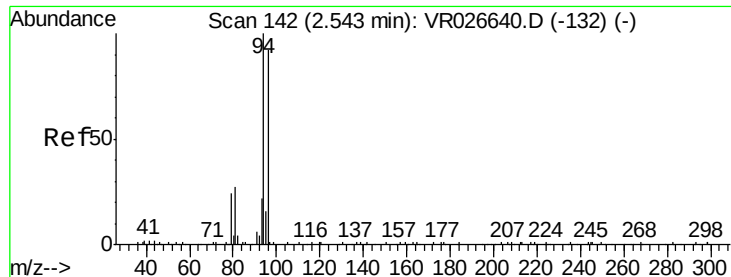
Tgt Ion: 50 Resp: 4467

Ion Ratio Lower Upper

50 100

52 40.8 21.7 40.3#





#6

Bromomethane

Concen: 0.296 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampled :

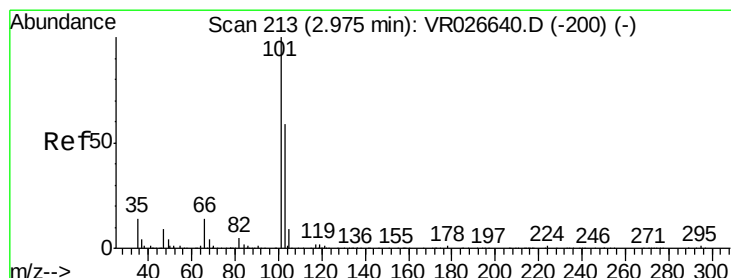
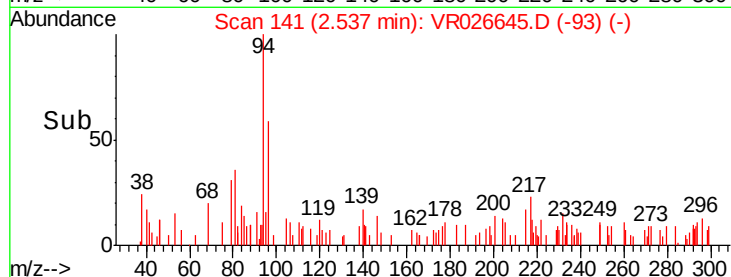
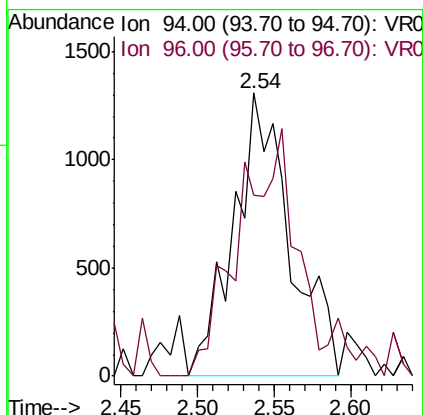
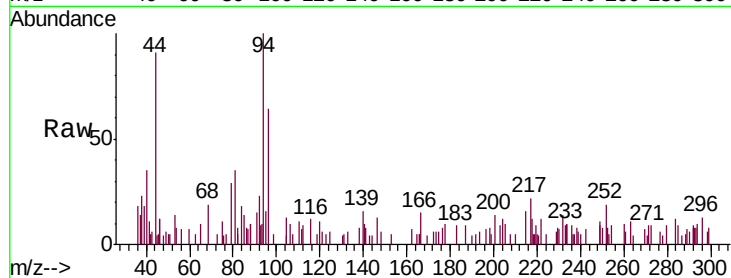
MDL05

Tgt Ion: 94 Resp: 3353

Ion Ratio Lower Upper

94 100

96 64.1 61.0 113.4



#9

Trichlorofluoromethane

Concen: 0.109 ug/L

RT: 2.94 min Scan# 208

Delta R.T. -0.03 min

Lab File: VR026645.D

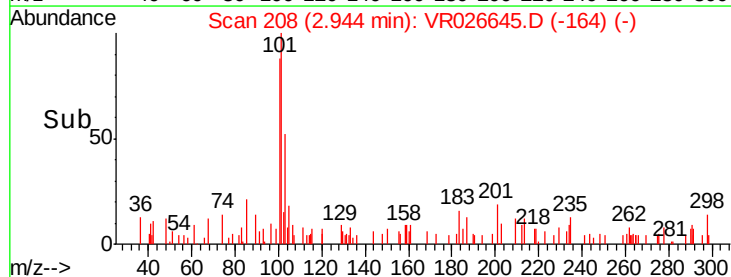
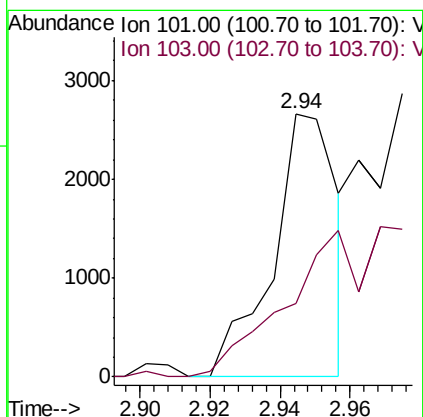
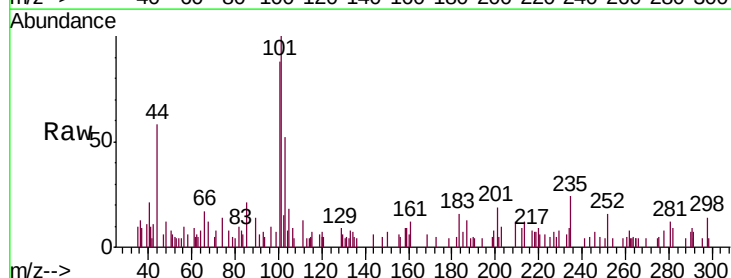
Acq: 17 Sep 2019 18:14

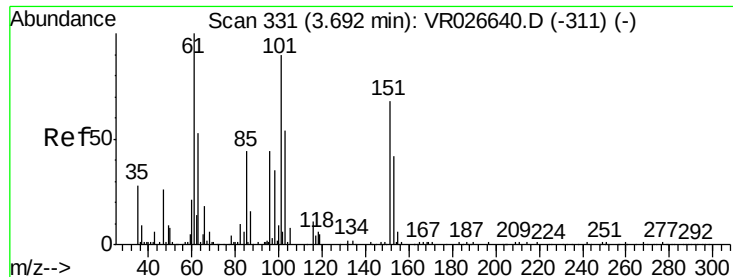
Tgt Ion: 101 Resp: 3411

Ion Ratio Lower Upper

101 100

103 62.1 50.9 76.3





#10

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

Concen: 0.226 ug/L

RT: 3.69 min Scan# 330

Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampled :

MDL05

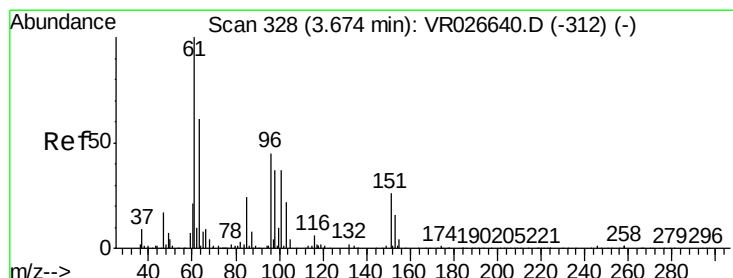
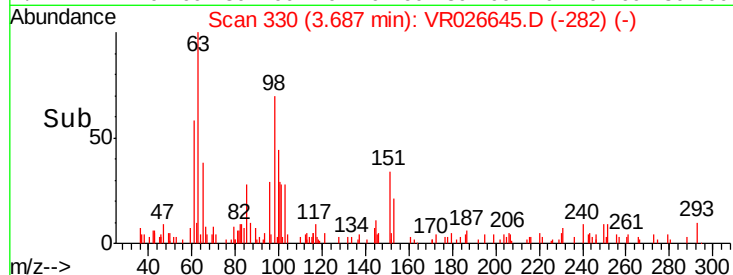
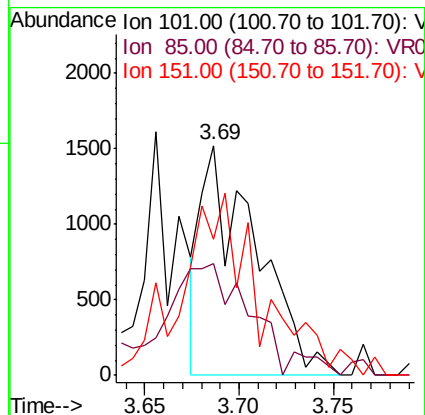
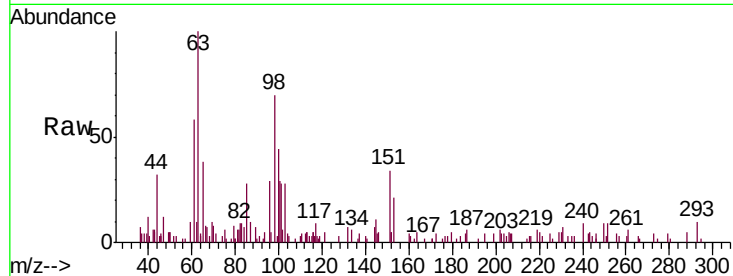
Tgt Ion: 101 Resp: 3088

Ion Ratio Lower Upper

101 100

85 78.2 39.7 59.5#

151 97.0 58.4 87.6#



#12

1,1-Dichloroethene

Concen: 0.171 ug/L

RT: 3.63 min Scan# 321

Delta R.T. -0.04 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

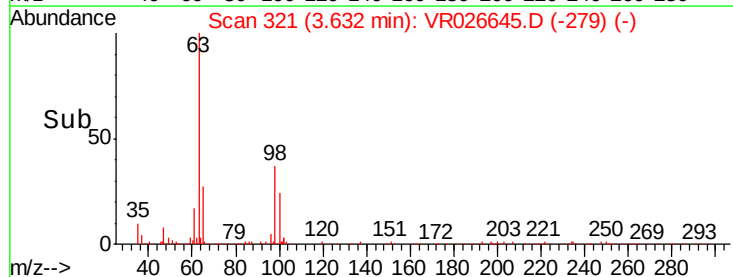
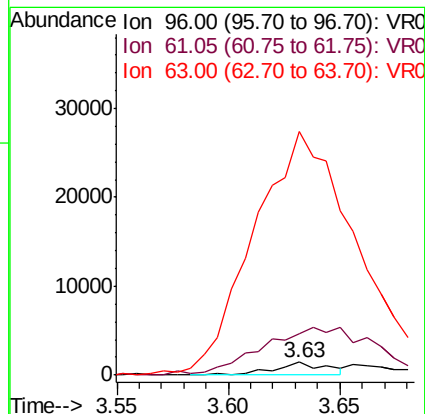
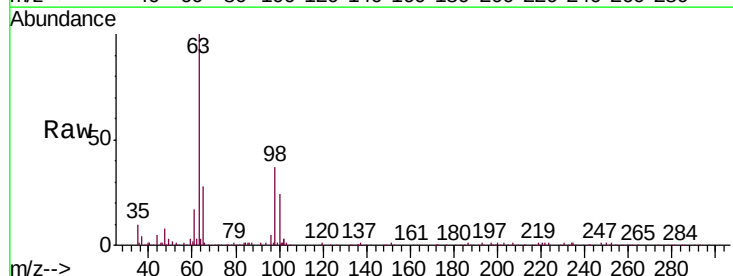
Tgt Ion: 96 Resp: 2306

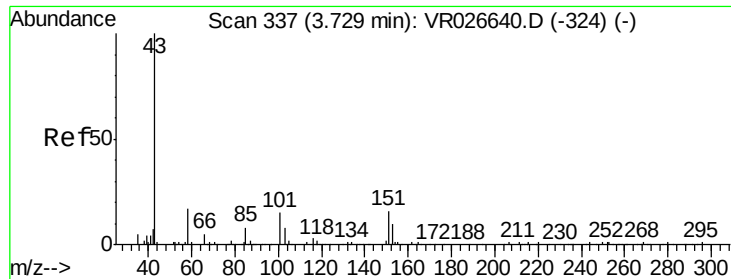
Ion Ratio Lower Upper

96 100

61 316.9 143.3 266.1#

63 1870.3 112.6 209.0#





#13

Acetone

Concen: 3.250 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

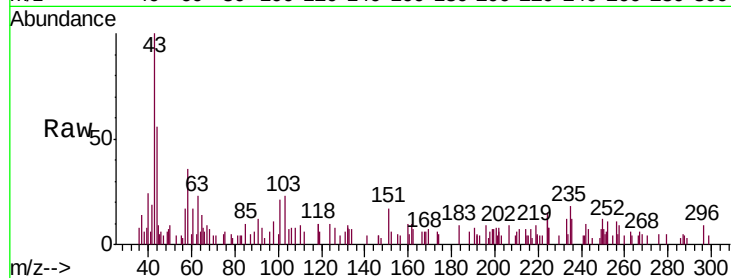
MDL05

Tgt Ion: 43 Resp: 4442

Ion Ratio Lower Upper

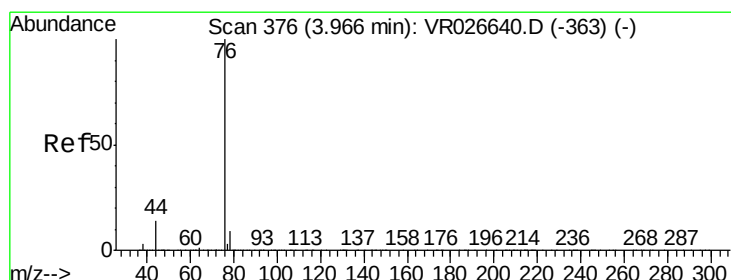
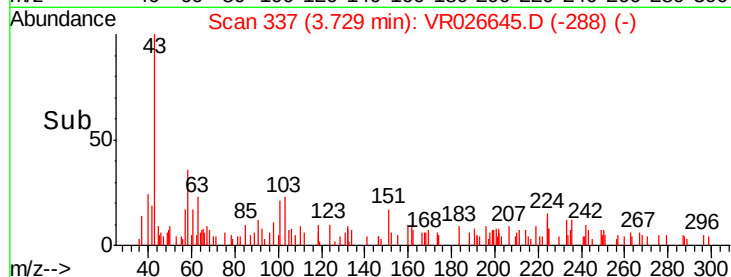
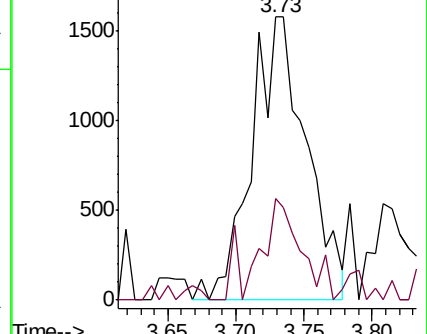
43 100

58 24.8 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: 0.226 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.01 min

Lab File: VR026645.D

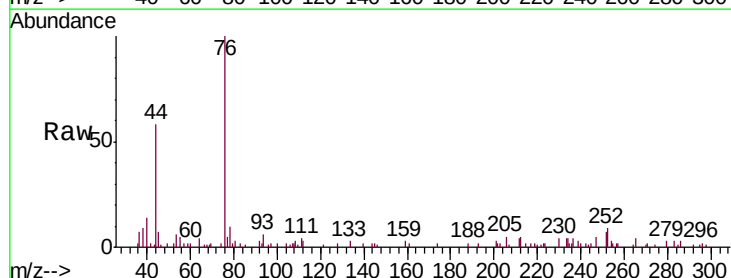
Acq: 17 Sep 2019 18:14

Tgt Ion: 76 Resp: 13027

Ion Ratio Lower Upper

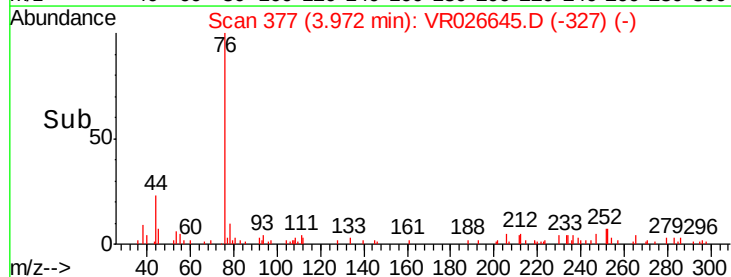
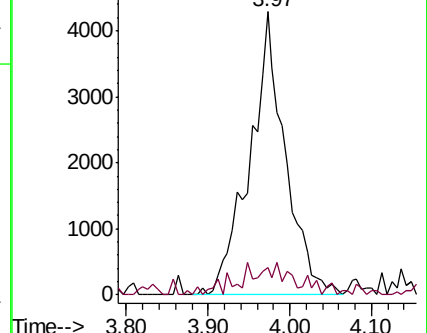
76 100

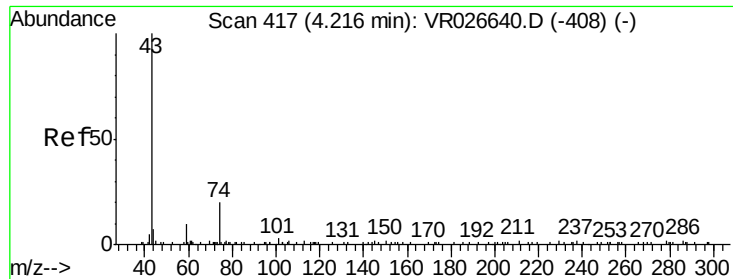
78 9.7 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

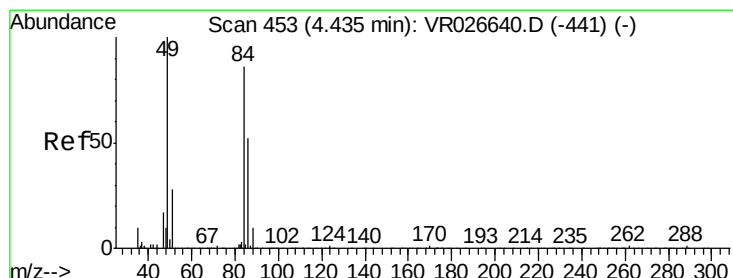
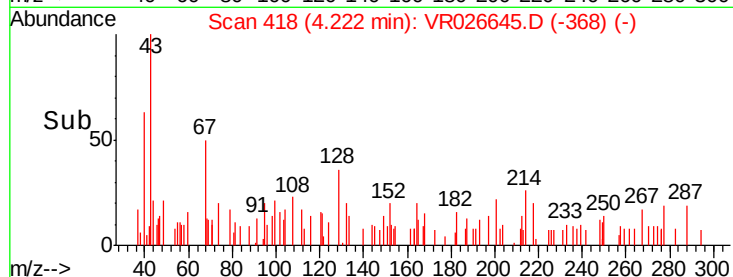
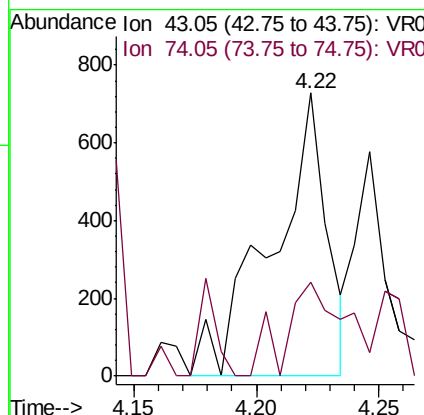
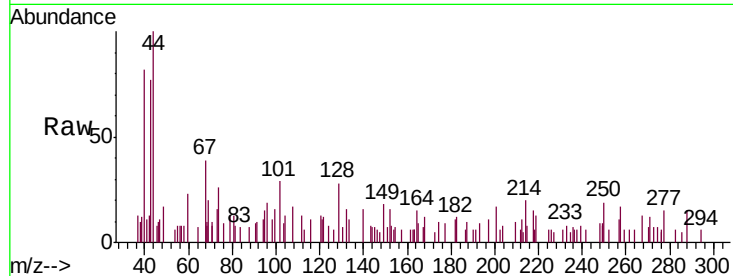




#15
Methyl Acetate
Concen: 0.198 ug/L
RT: 4.22 min Scan# 418
Delta R.T. 0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

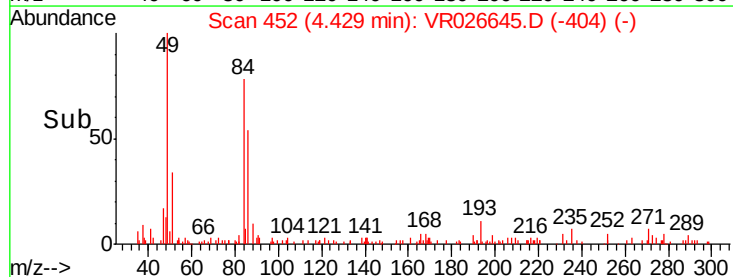
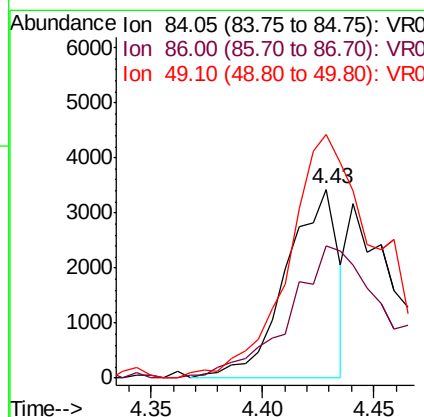
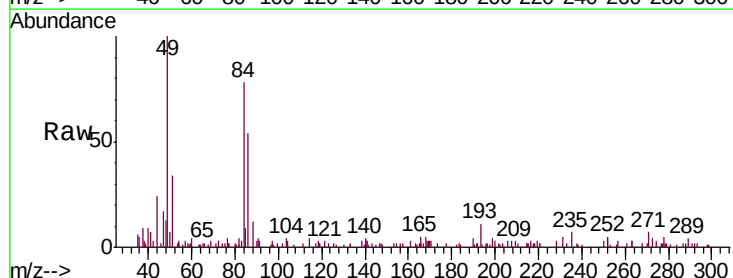
Instrument :
MSVOA_R
ClientSampleId :
MDL05

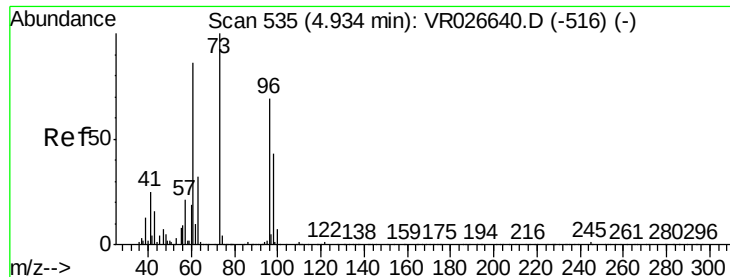
Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
74 36.5 17.5 26.3#



#16
Methylene chloride
Concen: 0.198 ug/L
RT: 4.43 min Scan# 452
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 84 Resp: 5551
Ion Ratio Lower Upper
84 100
86 69.9 44.2 82.0
49 128.9 82.3 152.9

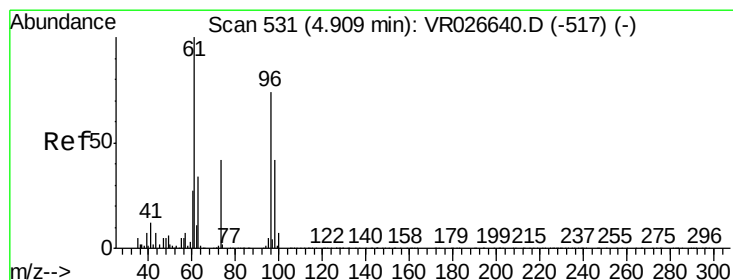
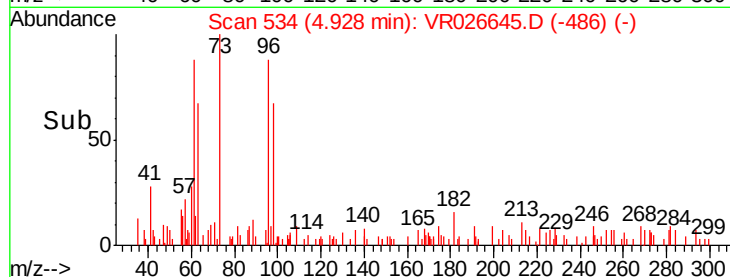
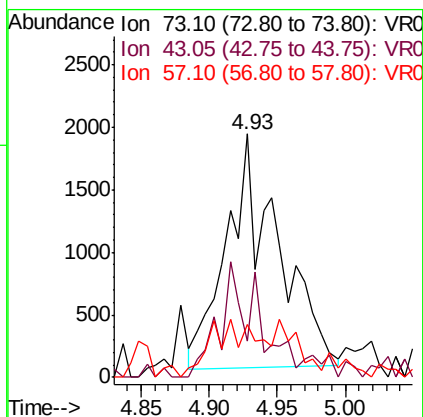
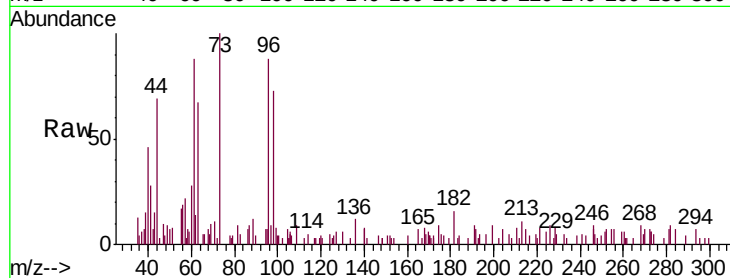




#17
Methyl tert-butyl Ether
Concen: 0.170 ug/L
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

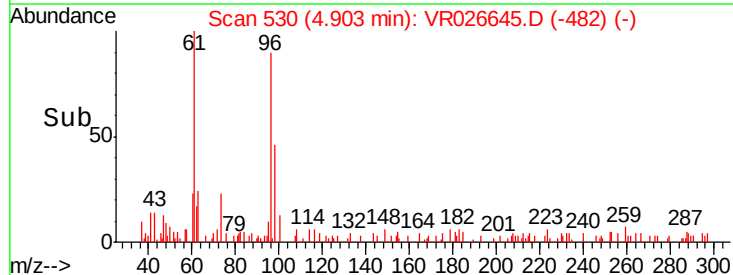
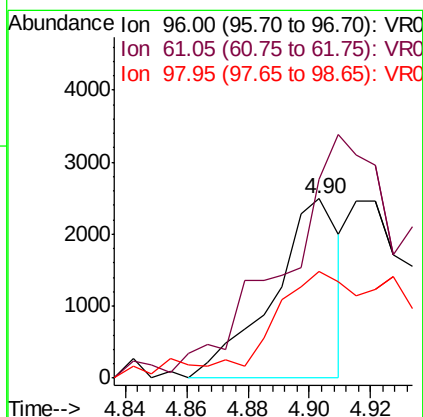
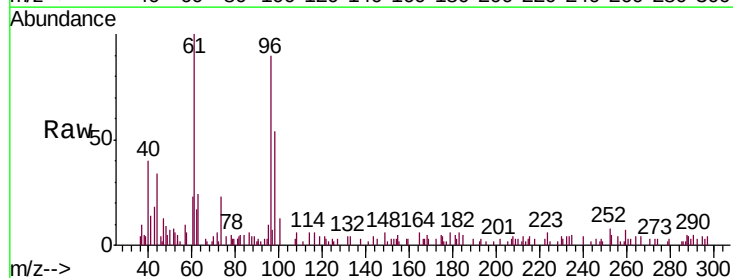
Instrument :
MSVOA_R
ClientSampleID :
MDL05

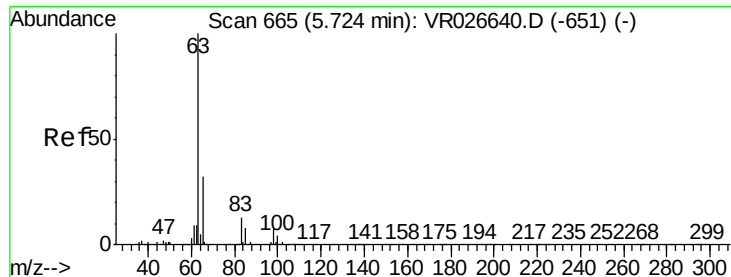
Tgt Ion: 73 Resp: 4930
Ion Ratio Lower Upper
73 100
43 21.3 14.7 22.1
57 8.0 18.9 28.3#



#18
trans-1,2-Dichloroethene
Concen: 0.134 ug/L
RT: 4.90 min Scan# 530
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 96 Resp: 3769
Ion Ratio Lower Upper
96 100
61 110.6 104.4 194.0
98 59.2 44.2 82.0





#19

1,1-Dichloroethane

Concen: 0.271 ug/L

RT: 5.73 min Scan# 666

Delta R.T. 0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

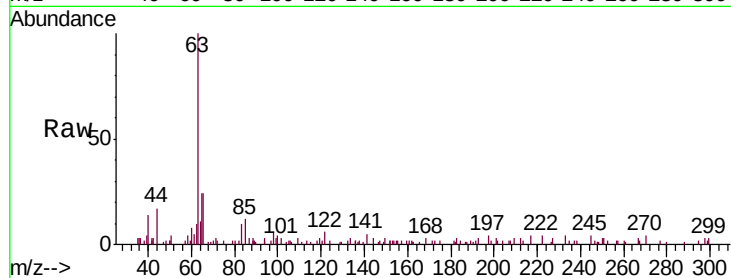
Tgt Ion: 63 Resp: 14308

Ion Ratio Lower Upper

63 100

65 48.5 22.5 41.9#

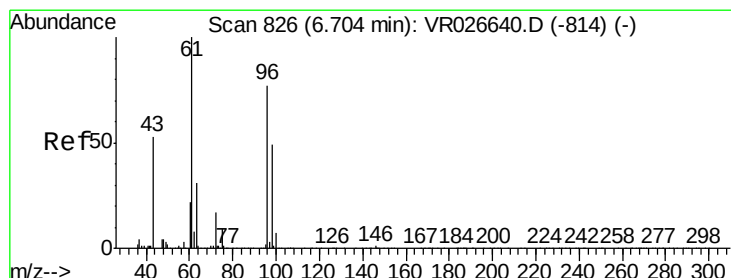
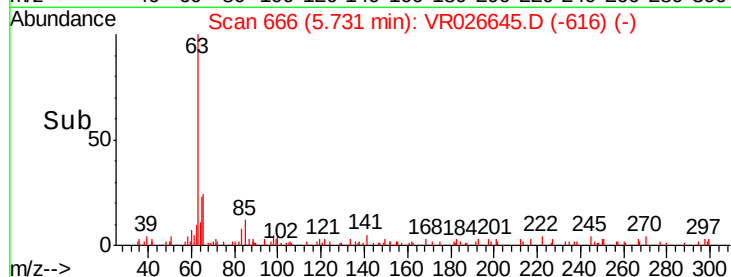
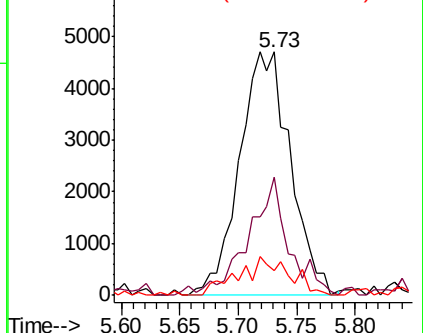
83 10.1 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#22

cis-1,2-Dichloroethene

Concen: 0.253 ug/L

RT: 6.70 min Scan# 826

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

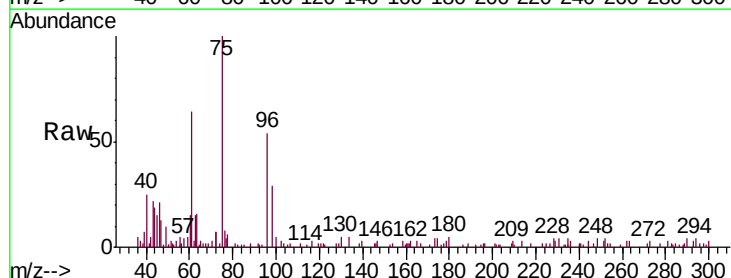
Tgt Ion: 96 Resp: 6812

Ion Ratio Lower Upper

96 100

61 116.8 95.4 177.2

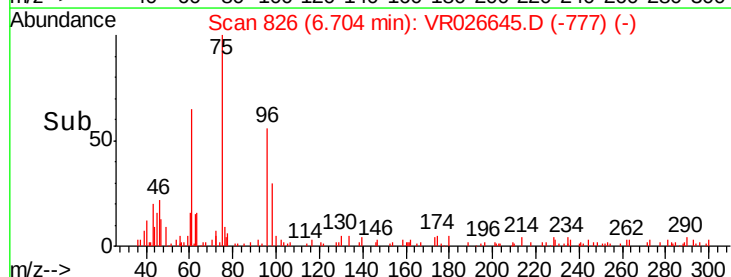
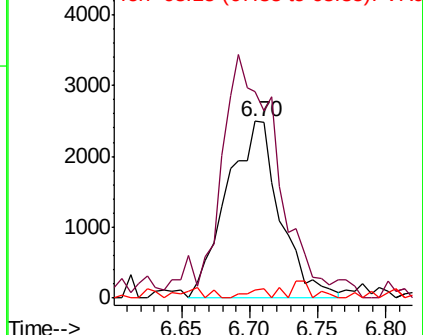
68 4.5 0.0 0.0#

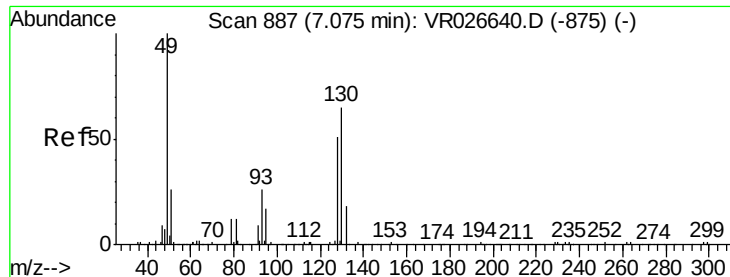


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0





#23

Bromochloromethane

Concen: 0.357 ug/L

RT: 7.09 min Scan# 889

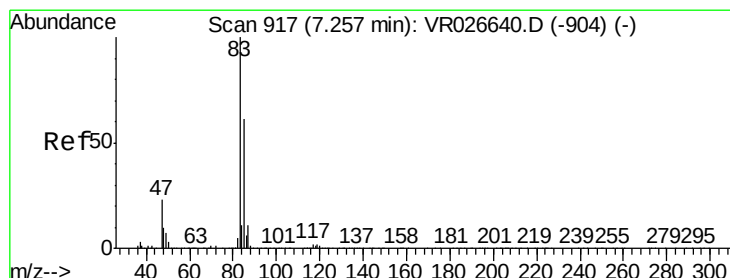
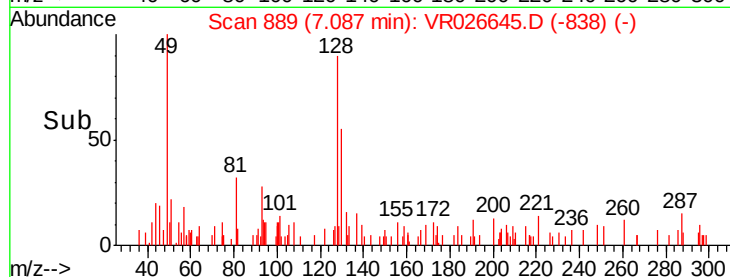
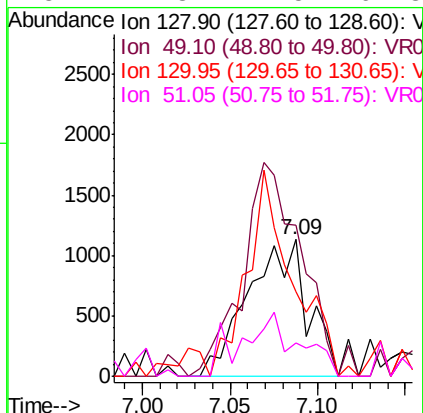
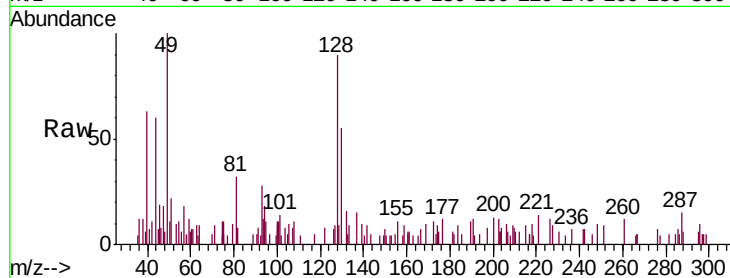
Delta R.T. 0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

Tgt Ion:	128	Resp:	2672
Ion	Ratio	Lower	Upper
128	100		
49	110.8	118.6	220.3#
130	61.4	80.6	149.6#
51	24.8	41.5	62.3#



#25

Chloroform

Concen: 0.355 ug/L

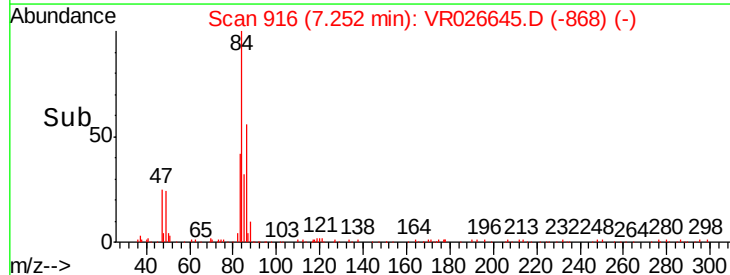
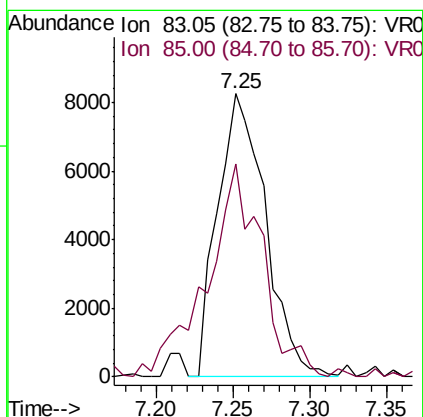
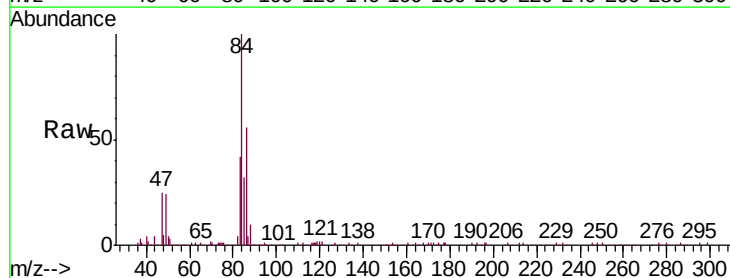
RT: 7.25 min Scan# 916

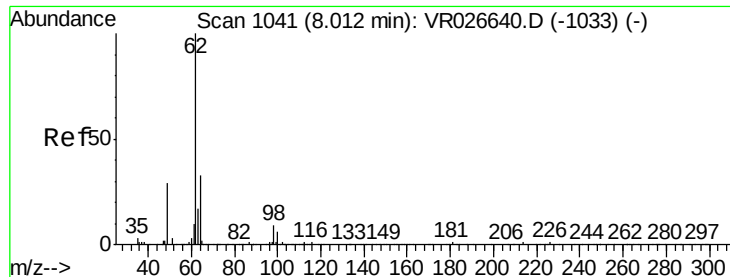
Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Tgt Ion:	83	Resp:	17939
Ion	Ratio	Lower	Upper
83	100		
85	75.4	44.3	82.3

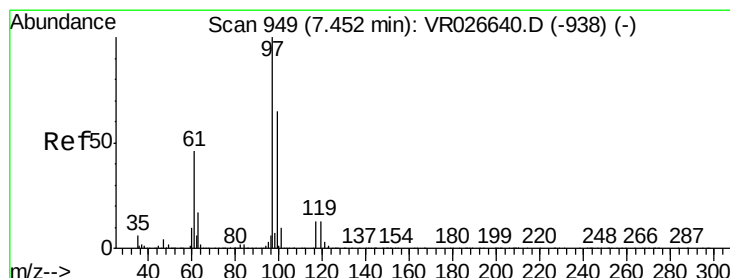
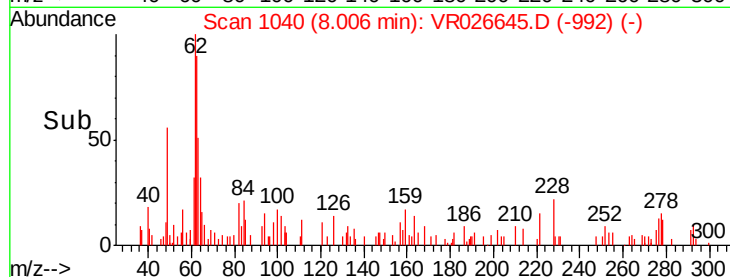
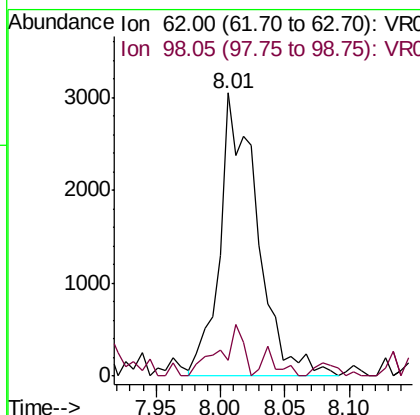
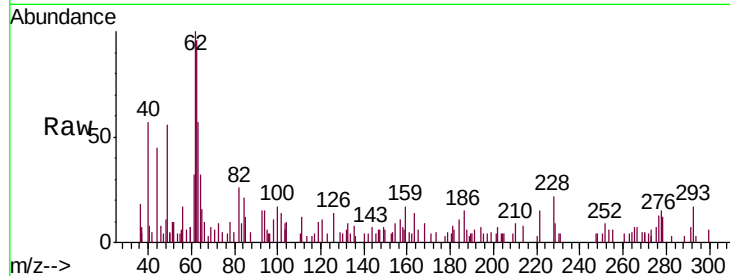




#27
 1,2-Dichloroethane
 Concen: 0.349 ug/L
 RT: 8.01 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

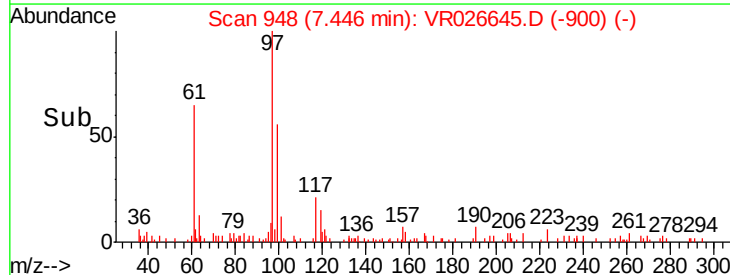
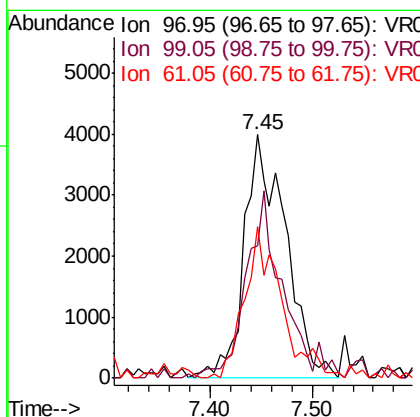
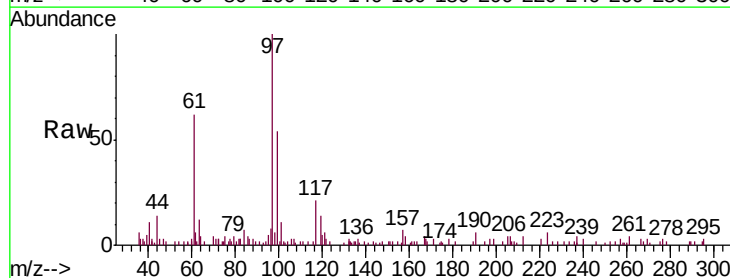
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

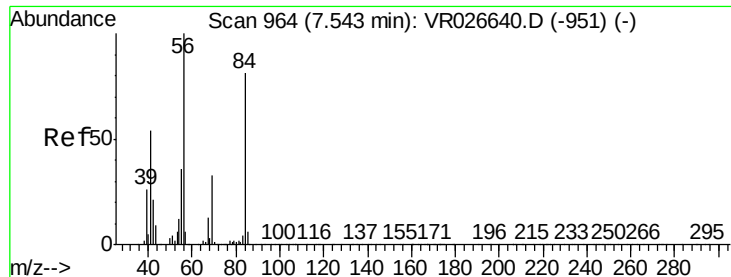
Tgt Ion: 62 Resp: 6210
 Ion Ratio Lower Upper
 62 100
 98 5.4 9.0 13.4#



#29
 1,1,1-Trichloroethane
 Concen: 0.273 ug/L
 RT: 7.45 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Tgt Ion: 97 Resp: 11188
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.1 75.1
 61 55.4 37.8 56.8

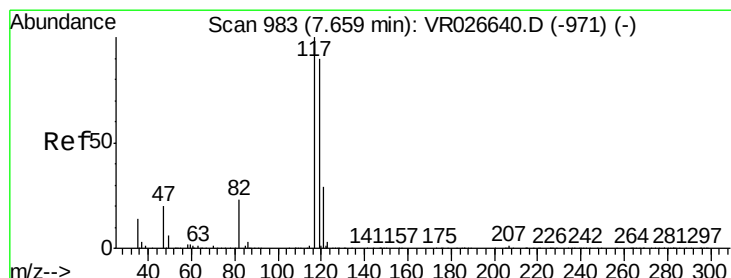
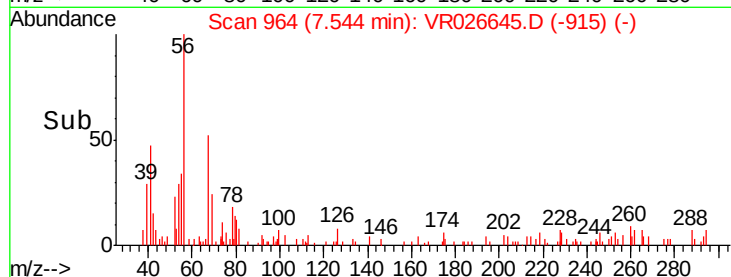
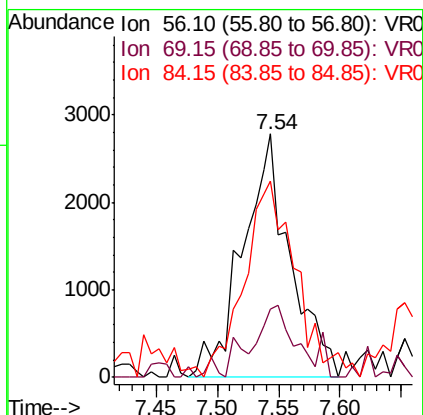
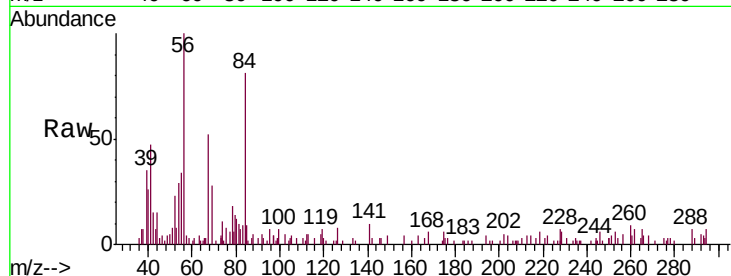




#30
Cyclohexane
Concen: 0.171 ug/L
RT: 7.54 min Scan# 964
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

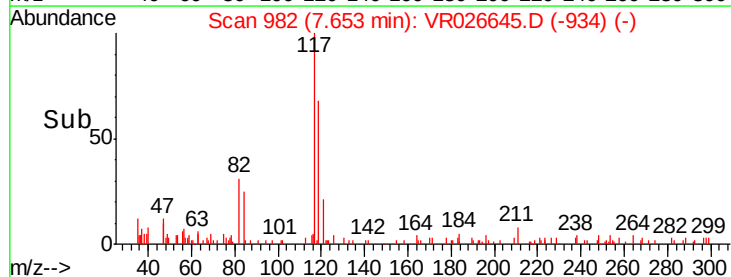
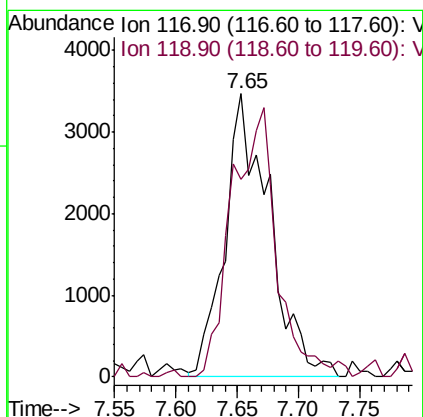
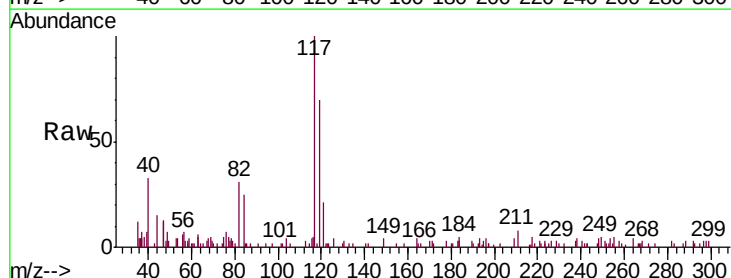
Instrument :
MSVOA_R
ClientSampleId :
MDL05

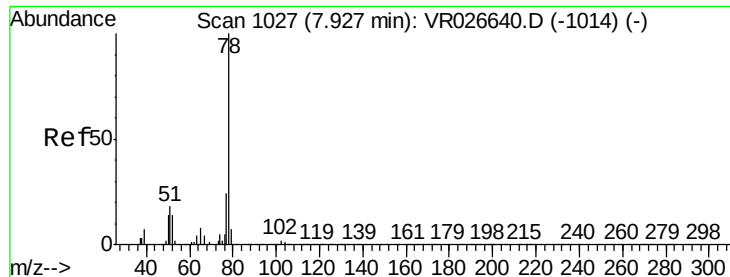
Tgt Ion: 56 Resp: 7480
Ion Ratio Lower Upper
56 100
69 26.0 25.9 38.9
84 87.4 67.6 101.4



#31
Carbon tetrachloride
Concen: 0.252 ug/L
RT: 7.65 min Scan# 982
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 117 Resp: 8765
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0





#33

Benzene

Concen: 0.281 ug/L

RT: 7.93 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

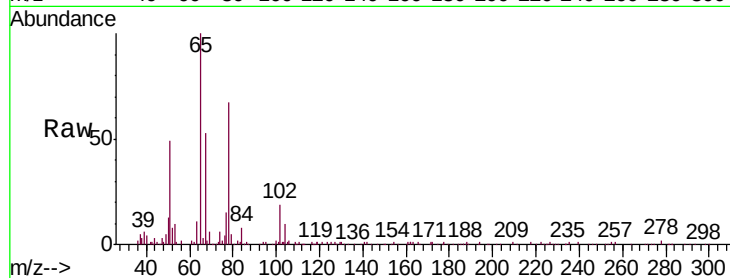
Instrument :

MSVOA_R

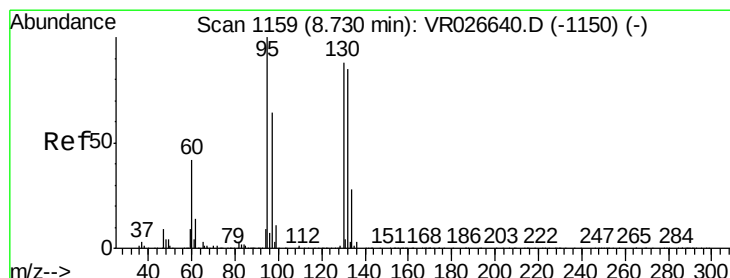
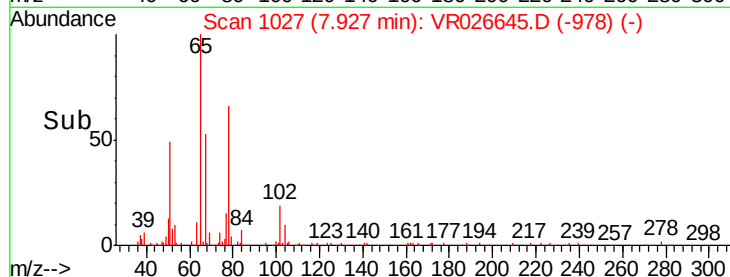
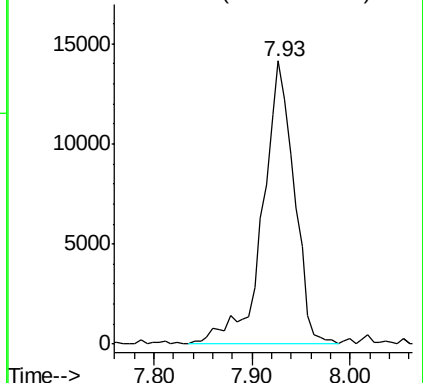
ClientSampled :

MDL05

Tgt Ion: 78 Resp: 31737



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 0.249 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Tgt Ion: 95 Resp: 7010

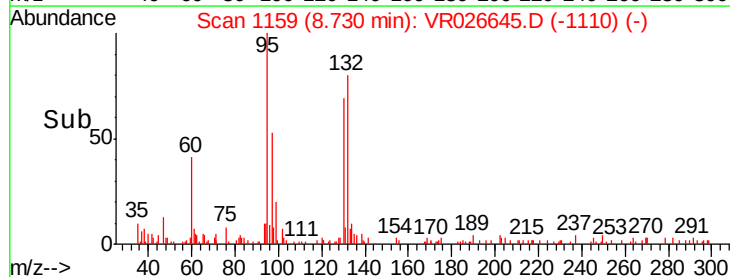
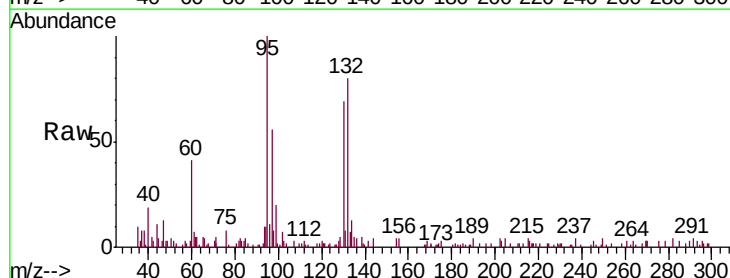
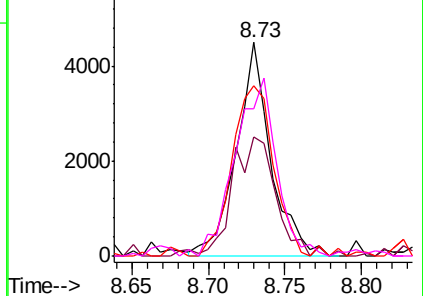
Ion	Ratio	Lower	Upper
95	100		
97	55.8	45.6	84.6
132	79.8	57.3	106.5
130	69.1	60.1	111.5

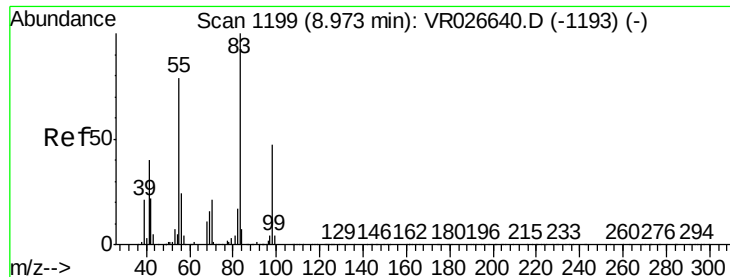
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

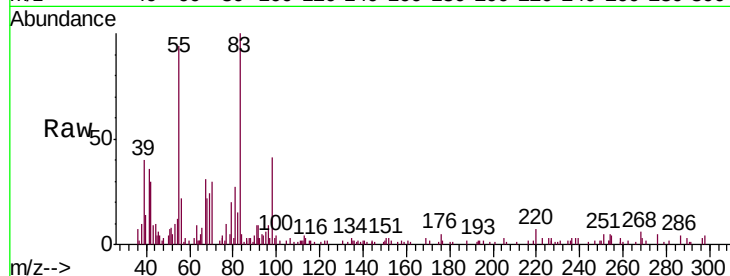




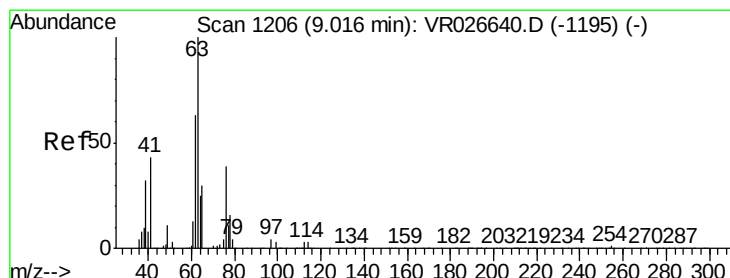
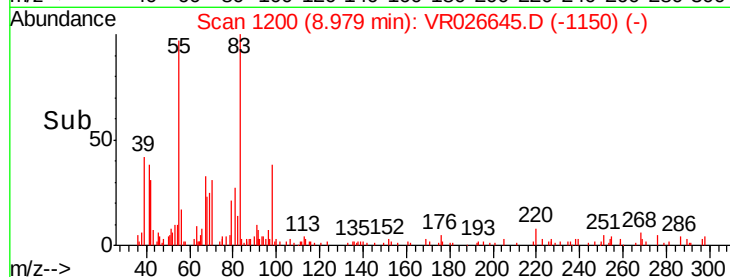
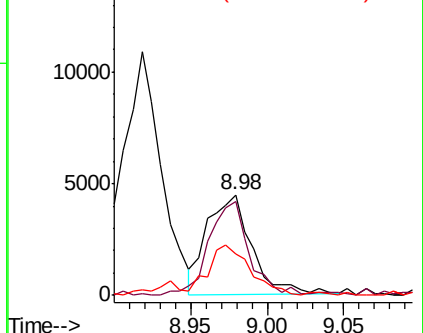
#35
Methylcyclohexane
Concen: 0.213 ug/L
RT: 8.98 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

Tgt Ion: 83 Resp: 9033
Ion Ratio Lower Upper
83 100
55 85.1 63.5 95.3
98 47.3 35.4 53.0

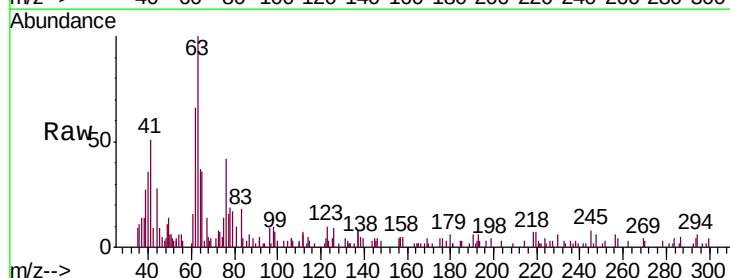


Abundance Ion 83.15 (82.85 to 83.85): VR0
Ion 55.10 (54.80 to 55.80): VR0
Ion 98.15 (97.85 to 98.85): VR0

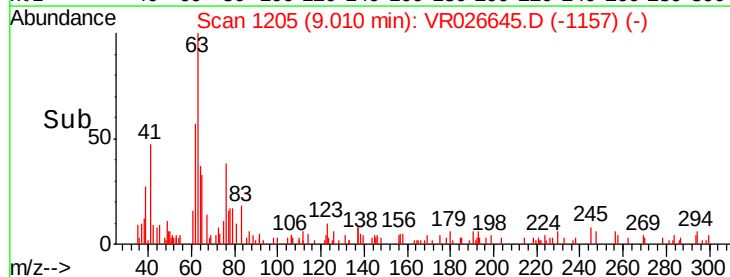
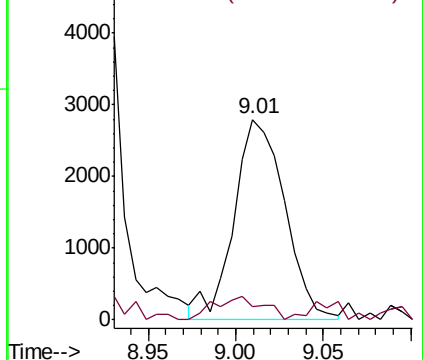


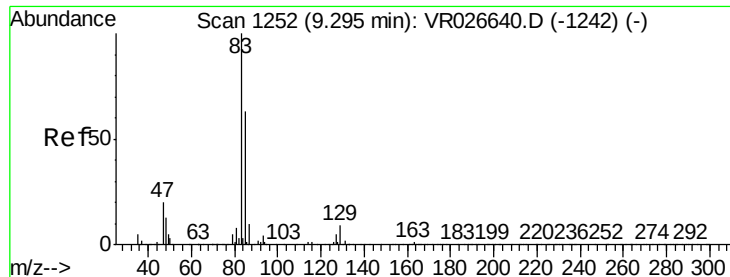
#37
1,2-Dichloropropane
Concen: 0.248 ug/L
RT: 9.01 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 63 Resp: 5669
Ion Ratio Lower Upper
63 100
112 11.2 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VR0
Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.298 ug/L

RT: 9.30 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

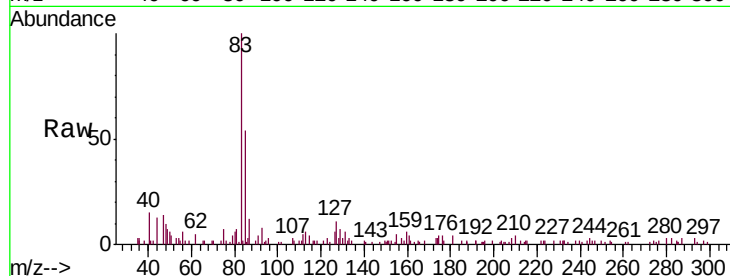
Tgt Ion: 83 Resp: 7235

Ion Ratio Lower Upper

83 100

85 54.8 44.0 81.8

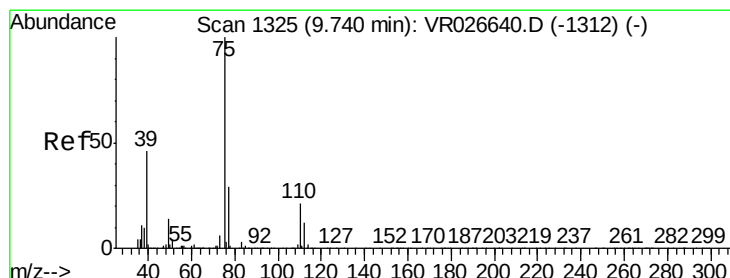
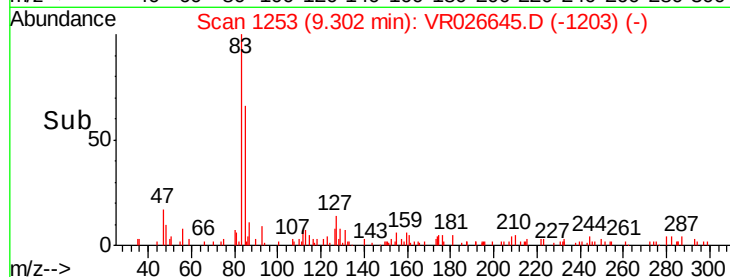
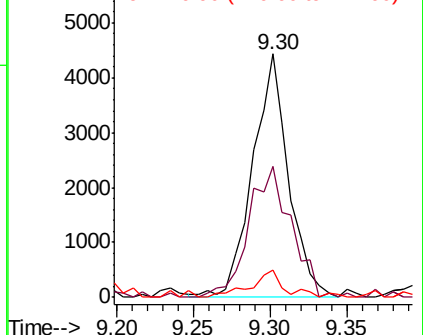
127 11.4 6.4 9.6#



Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 126.90 (126.60 to 127.60): VR0



#39

cis-1,3-Dichloropropene

Concen: 0.231 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VR026645.D

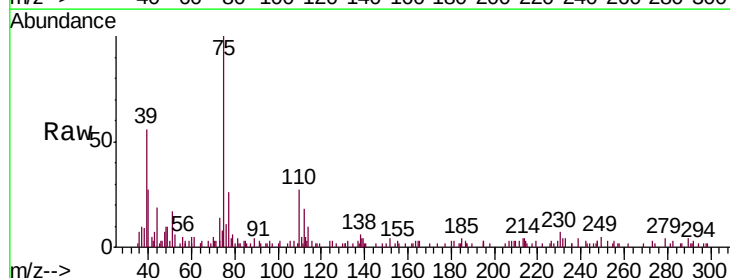
Acq: 17 Sep 2019 18:14

Tgt Ion: 75 Resp: 5582

Ion Ratio Lower Upper

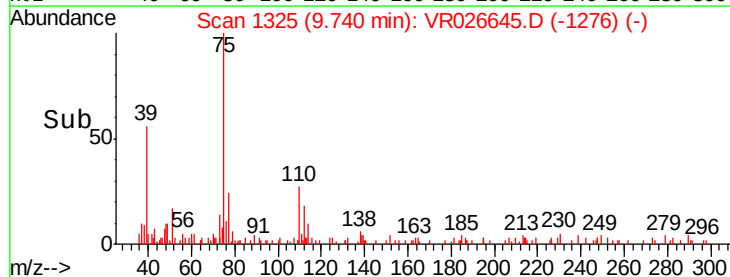
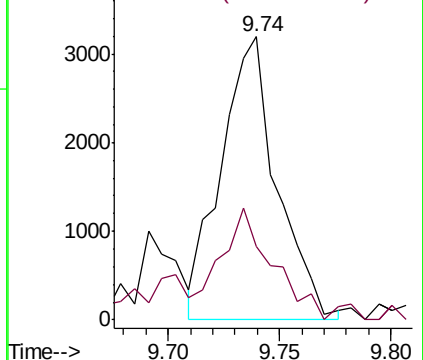
75 100

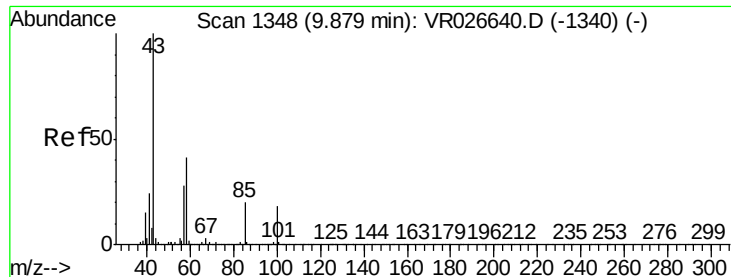
77 25.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

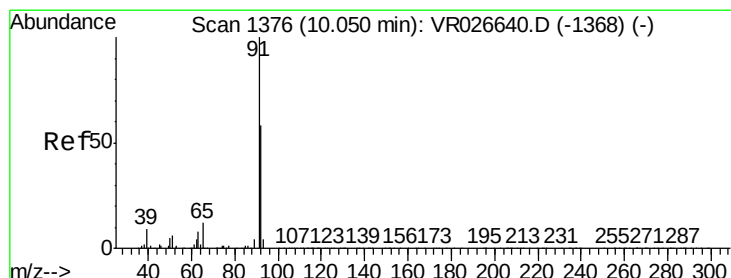
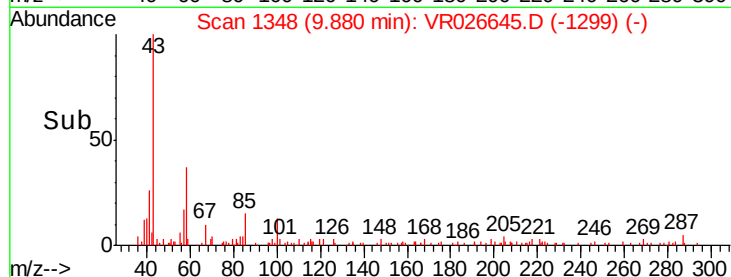
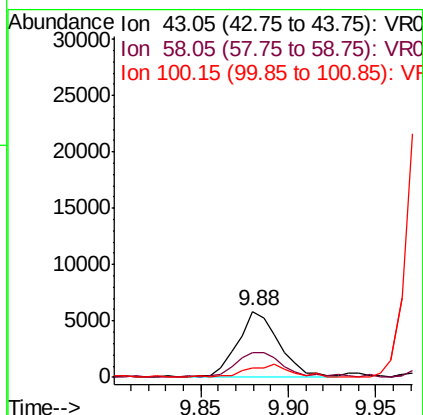
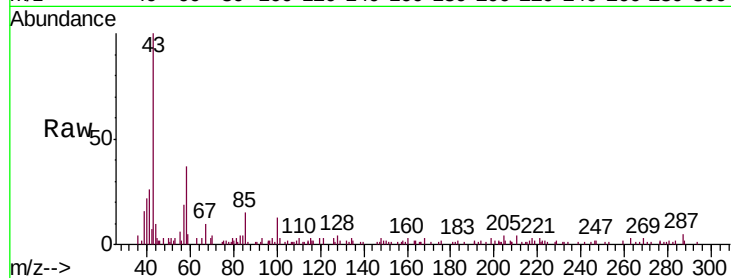




#40
4-Methyl-2-pentanone
Concen: 1.700 ug/L
RT: 9.88 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

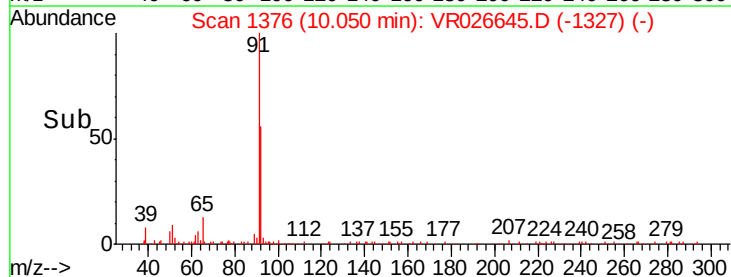
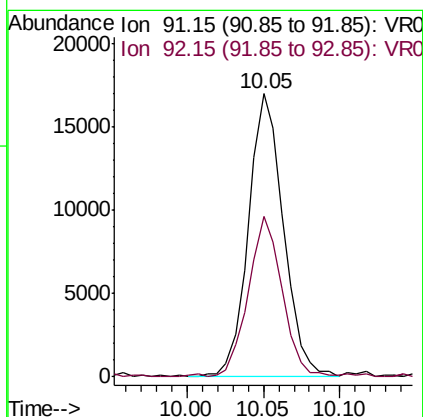
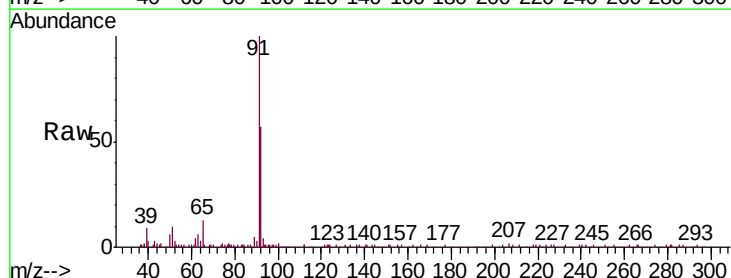
Instrument :
MSVOA_R
ClientSampleId :
MDL05

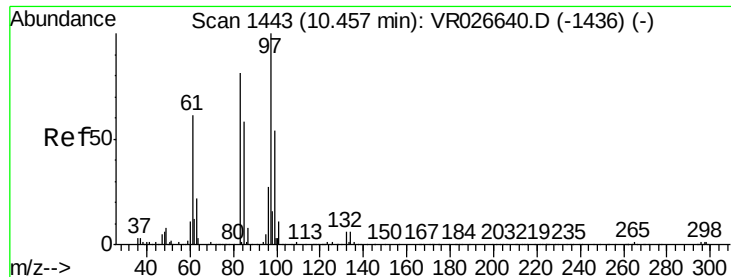
Tgt Ion: 43 Resp: 9720
Ion Ratio Lower Upper
43 100
58 42.5 32.6 48.8
100 0.0 11.7 17.5#



#42
Toluene
Concen: 0.273 ug/L
RT: 10.05 min Scan# 1376
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 91 Resp: 26983
Ion Ratio Lower Upper
91 100
92 56.8 40.8 75.8

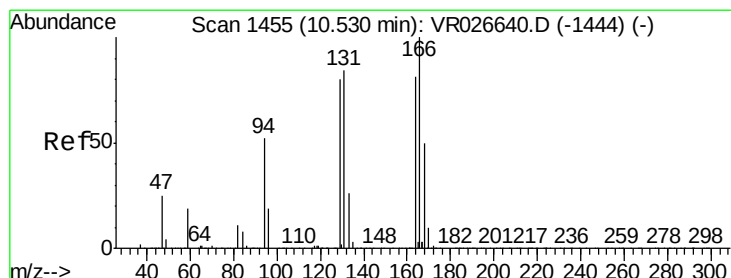
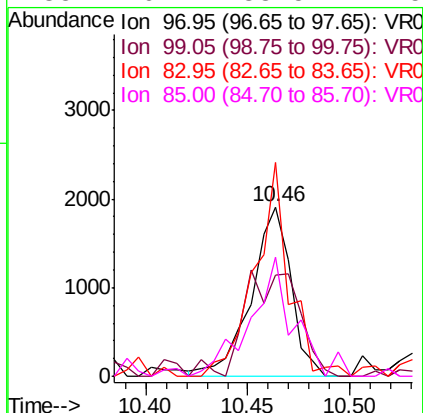
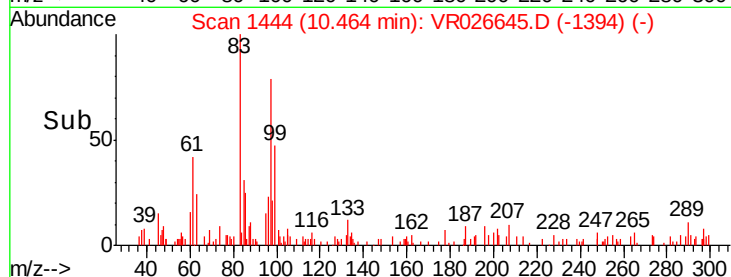
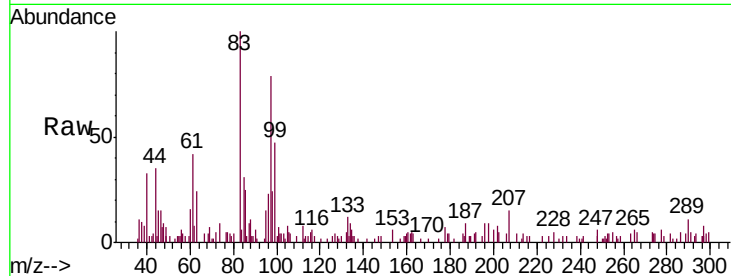




#45
 1,1,2-Trichloroethane
 Concen: 0.266 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

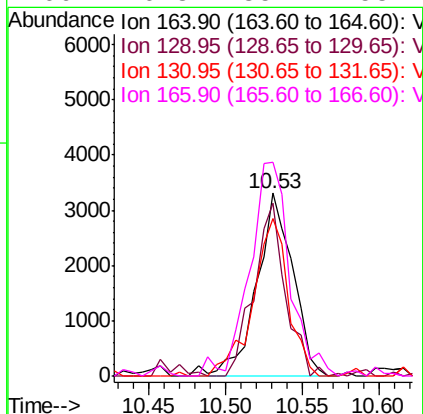
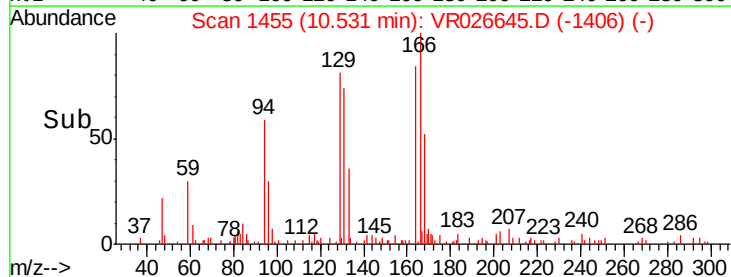
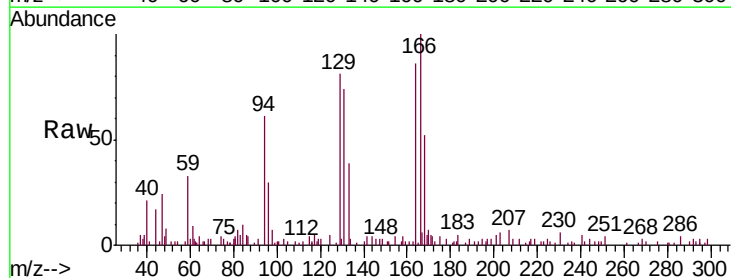
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

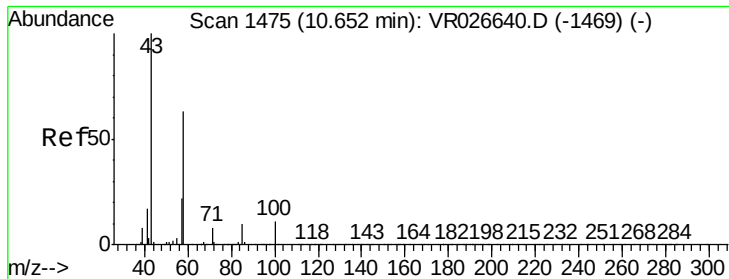
Tgt Ion:	97	Resp:	2583
Ion	Ratio	Lower	Upper
97	100		
99	59.6	45.6	84.6
83	126.2	64.5	119.9#
85	70.2	38.5	71.5



#47
 Tetrachloroethene
 Concen: 0.328 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Tgt Ion:	164	Resp:	5454
Ion	Ratio	Lower	Upper
164	100		
129	94.3	74.8	139.0
131	85.9	69.1	128.3
166	116.8	85.2	158.2

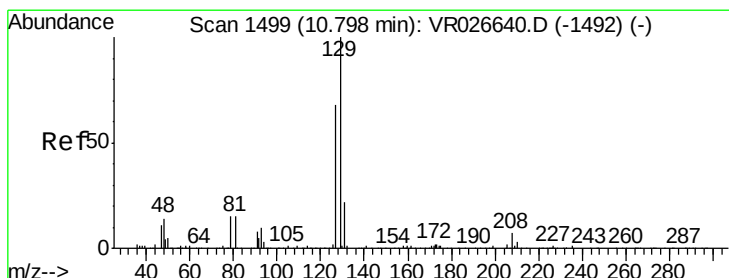
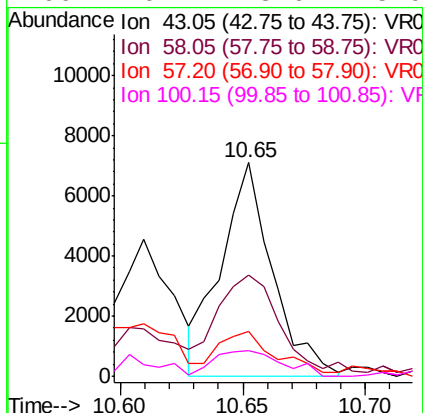
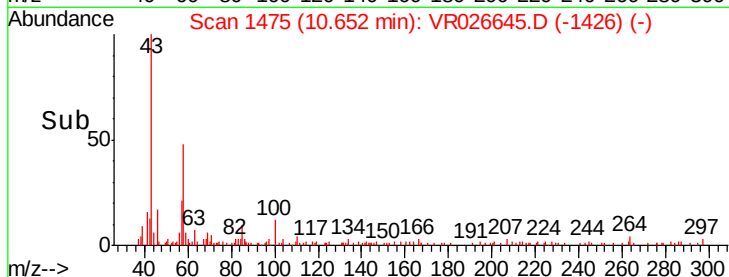
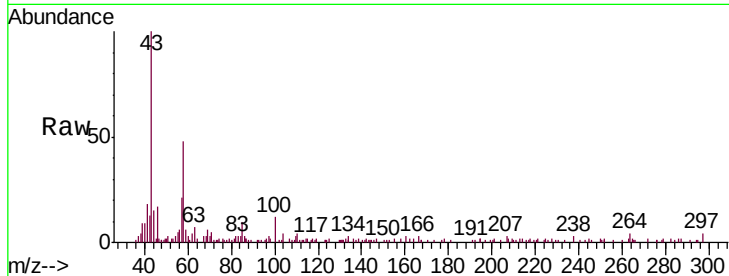




#48
2-Hexanone
Concen: 2.851 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

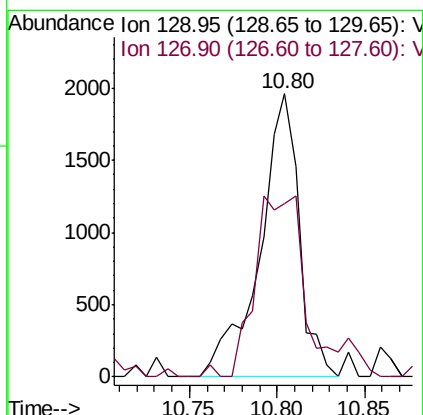
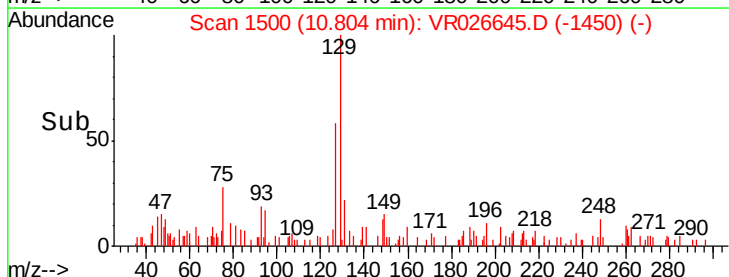
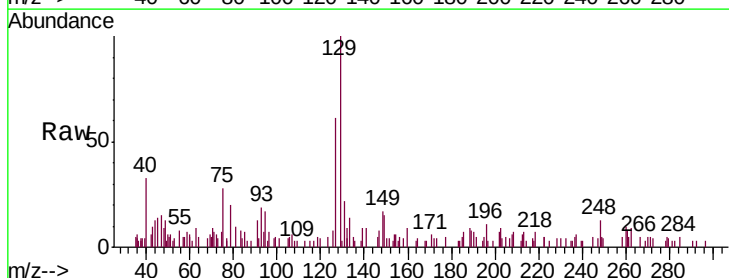
Instrument :
MSVOA_R
ClientSampleId :
MDL05

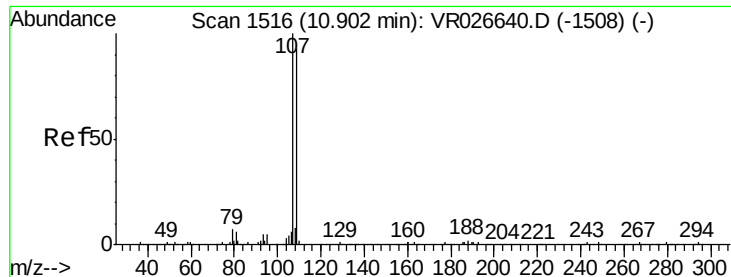
Tgt Ion:	43	Resp:	10362
Ion	Ratio	Lower	Upper
43	100		
58	60.3	46.4	69.6
57	23.9	16.7	25.1
100	16.1	8.6	13.0#



#49
Dibromochloromethane
Concen: 0.288 ug/L
RT: 10.80 min Scan# 1500
Delta R.T. 0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion:	129	Resp:	3054
Ion	Ratio	Lower	Upper
129	100		
127	61.3	57.0	105.9

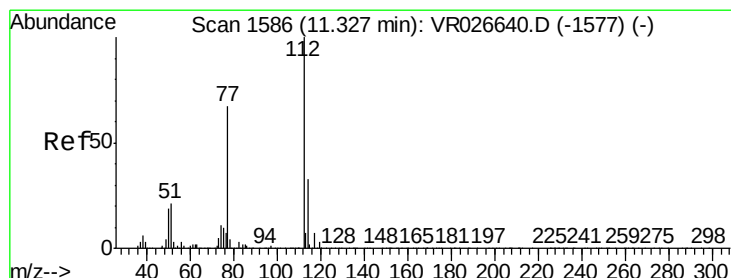
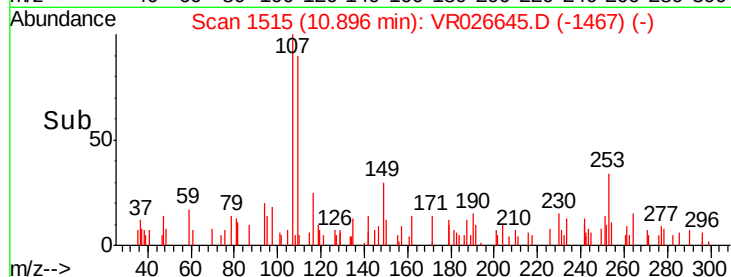
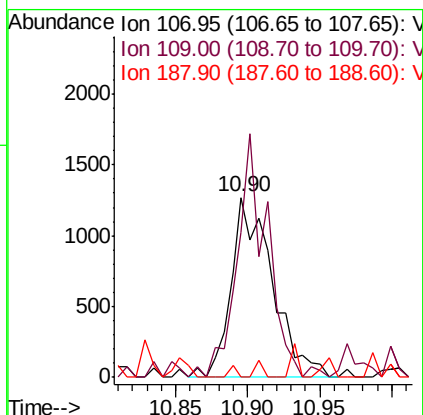
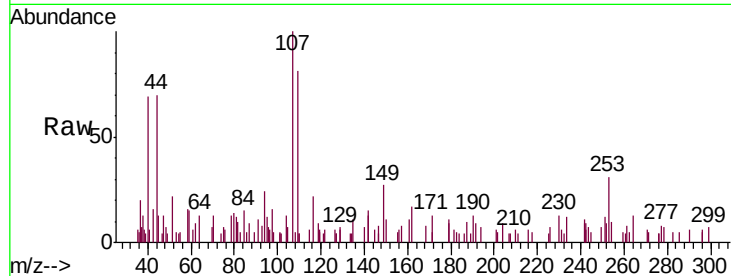




#50
1,2-Dibromoethane
Concen: 0.300 ug/L
RT: 10.90 min Scan# 1515
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

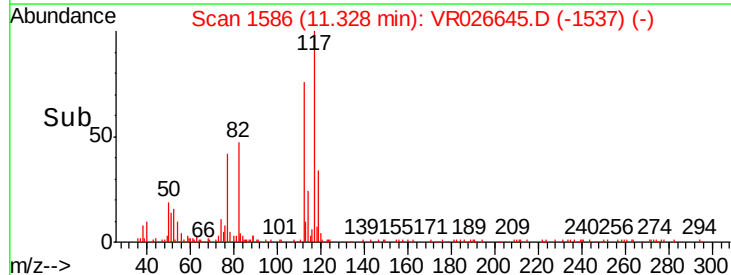
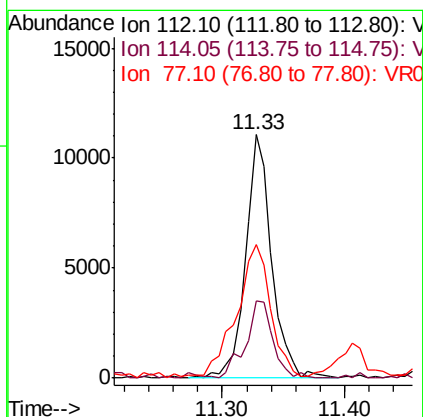
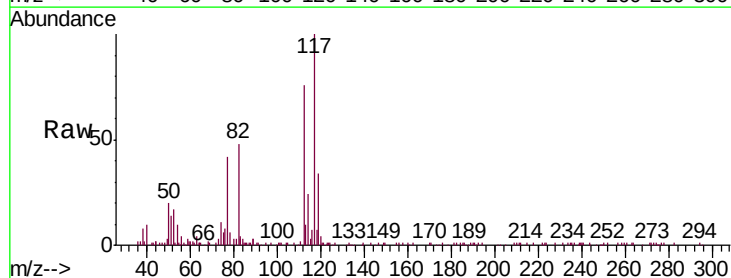
Instrument :
MSVOA_R
ClientSampleId :
MDL05

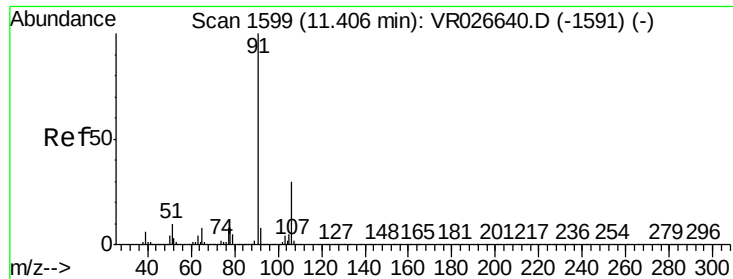
Tgt Ion:107 Resp: 2531
Ion Ratio Lower Upper
107 100
109 85.4 67.2 124.8
188 0.0 1.8 2.8#



#51
Chlorobenzene
Concen: 0.284 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion:112 Resp: 16269
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 54.9 54.0 81.0





#52

Ethylbenzene

Concen: 0.207 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

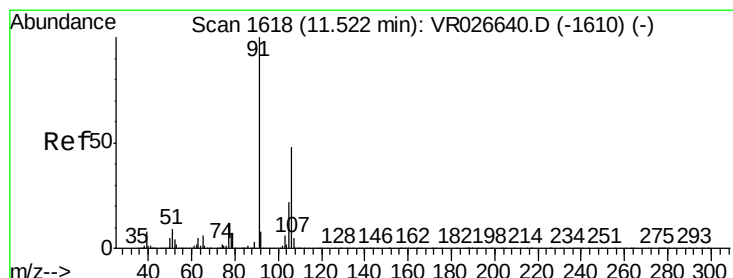
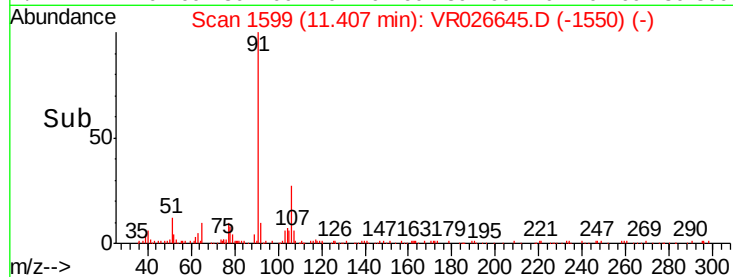
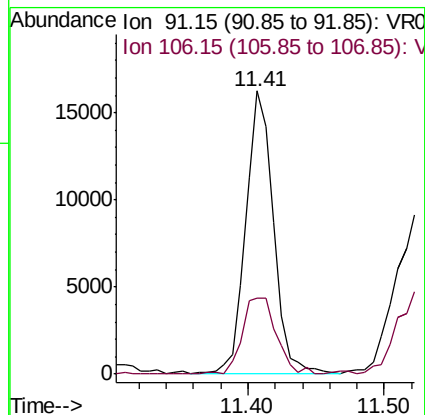
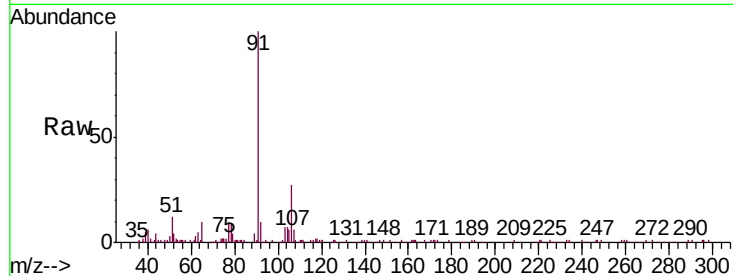
MDL05

Tgt Ion: 91 Resp: 23164

Ion Ratio Lower Upper

91 100

106 26.8 21.0 39.0



#53

m,p-Xylene

Concen: 0.187 ug/L

RT: 11.52 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VR026645.D

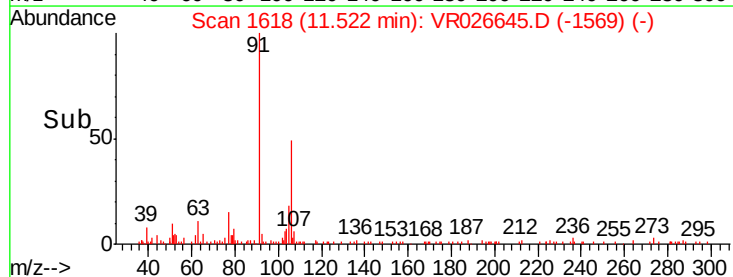
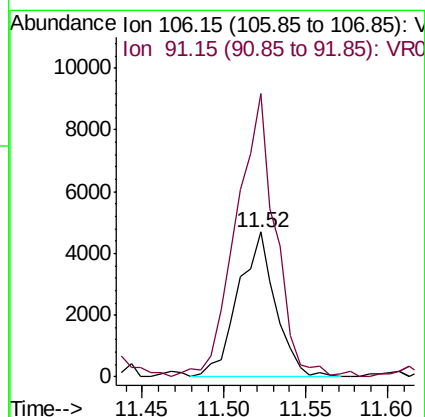
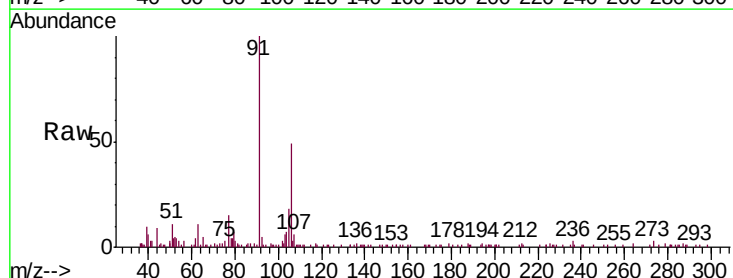
Acq: 17 Sep 2019 18:14

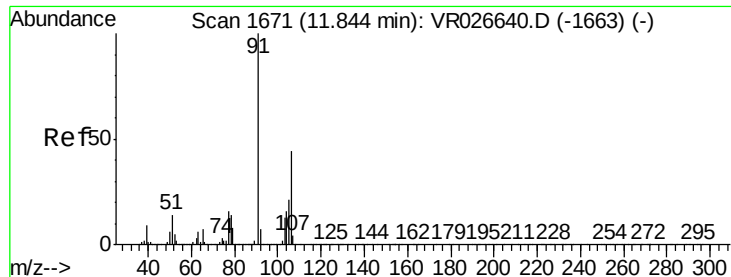
Tgt Ion: 106 Resp: 7486

Ion Ratio Lower Upper

106 100

91 195.3 146.5 272.1

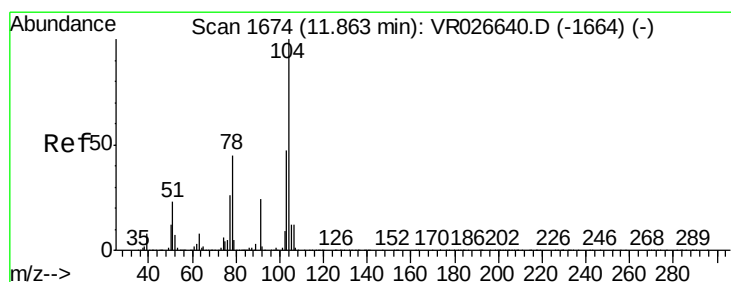
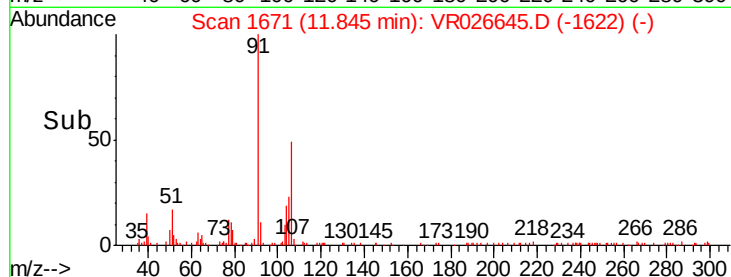
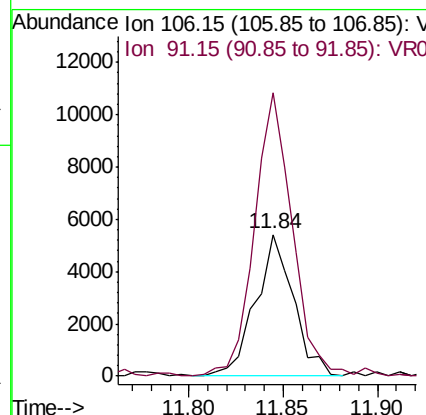
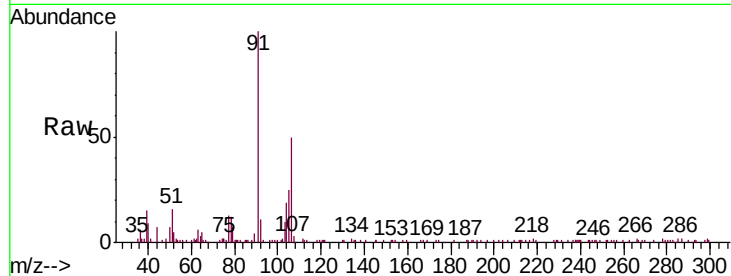




#54
o-Xylene
Concen: 0.191 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

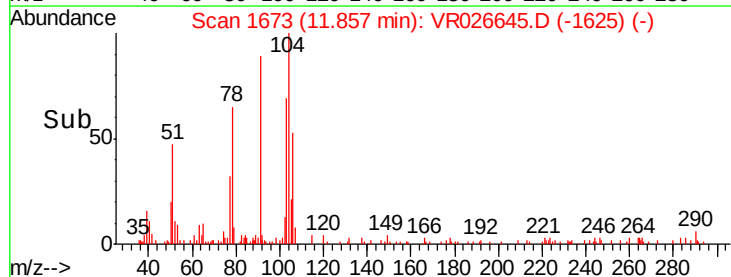
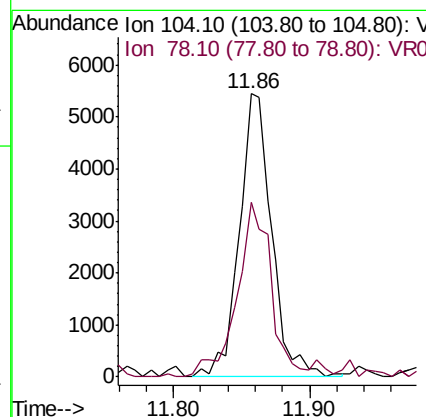
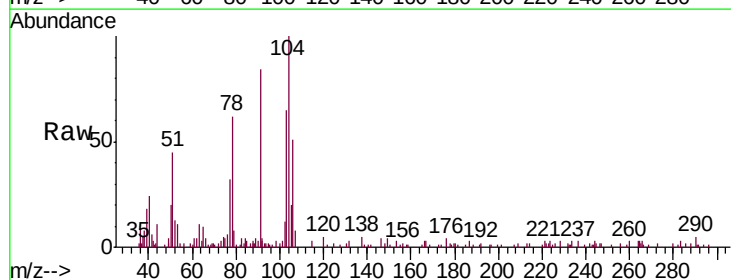
Instrument :
MSVOA_R
ClientSampled :
MDL05

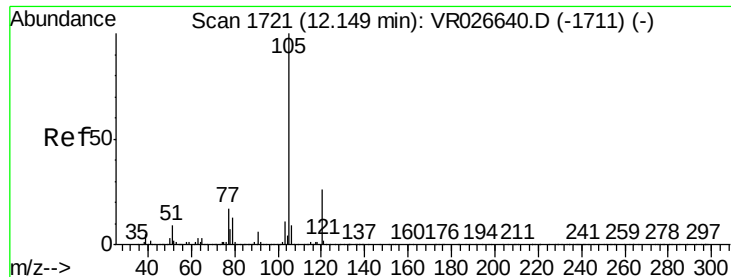
Tgt Ion:106 Resp: 7555
Ion Ratio Lower Upper
106 100
91 199.6 154.3 286.5



#55
Styrene
Concen: 0.159 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion:104 Resp: 9011
Ion Ratio Lower Upper
104 100
78 61.8 32.5 60.3#





#56

Isopropylbenzene

Concen: 0.186 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

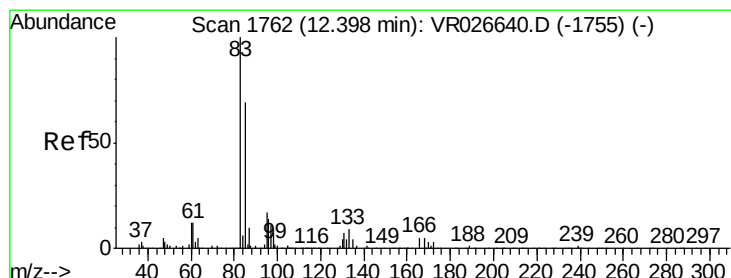
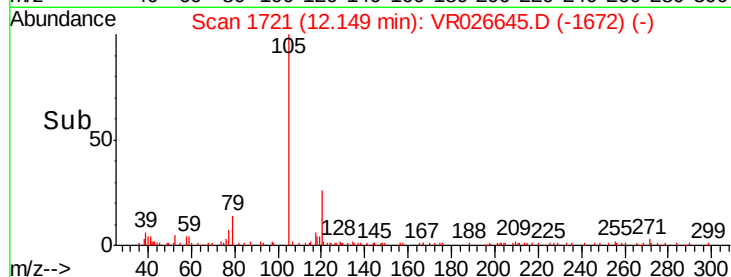
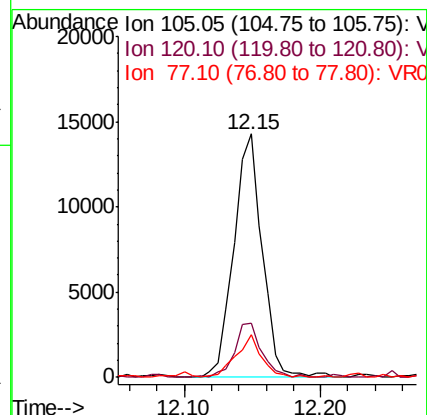
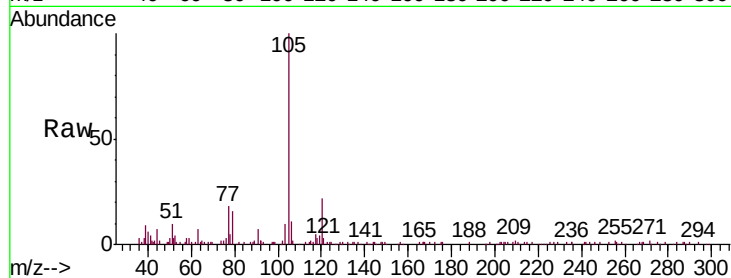
Tgt Ion:105 Resp: 20736

Ion Ratio Lower Upper

105 100

120 21.5 20.7 31.1

77 16.0 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 0.327 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

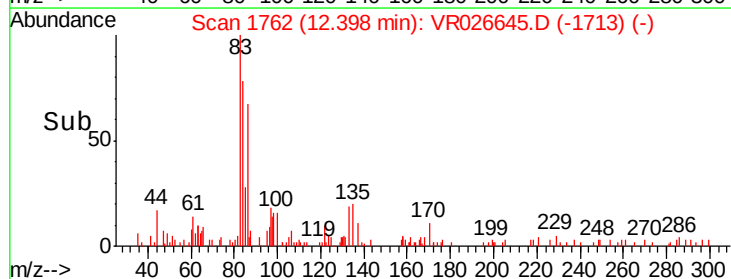
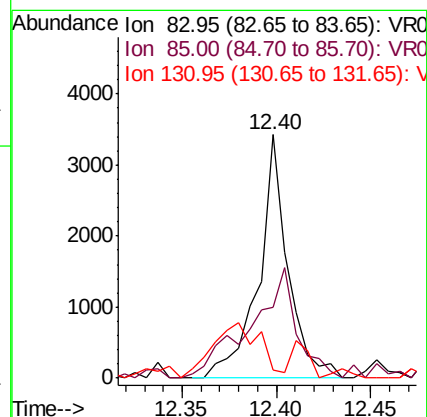
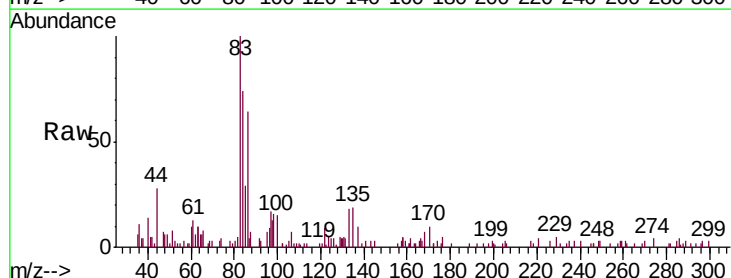
Tgt Ion: 83 Resp: 3691

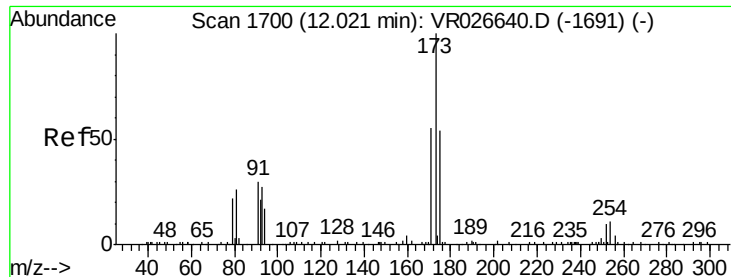
Ion Ratio Lower Upper

83 100

85 29.1 46.1 85.7#

131 3.5 6.8 10.2#





#61

Bromoform

Concen: 0.371 ug/L

RT: 12.02 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

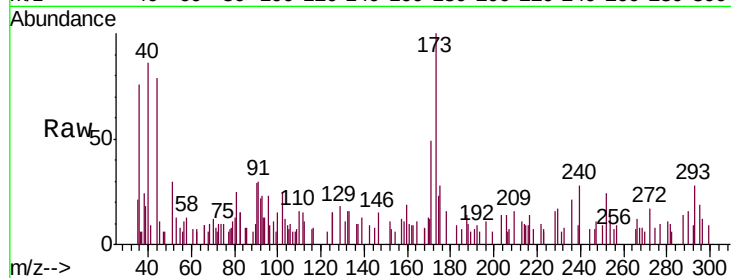
Tgt Ion:173 Resp: 1594

Ion Ratio Lower Upper

173 100

175 45.9 40.2 60.2

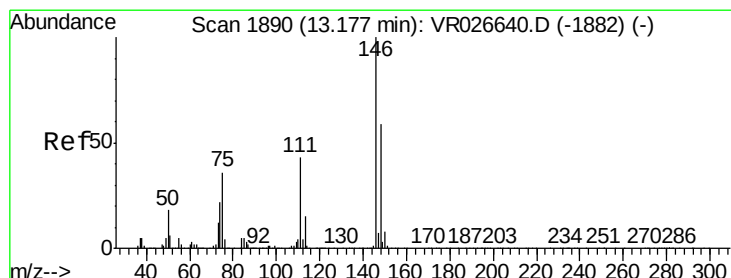
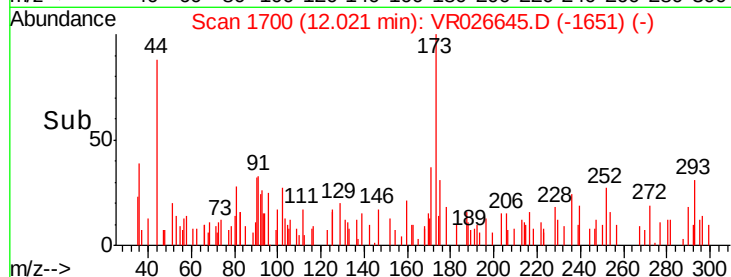
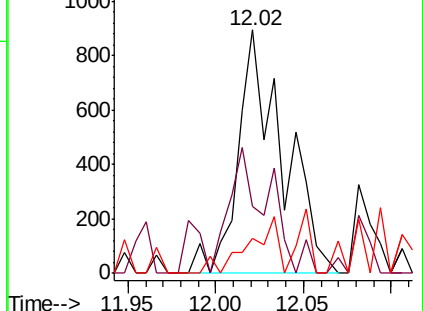
254 15.1 8.7 13.1#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#62

1,3-Dichlorobenzene

Concen: 0.262 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

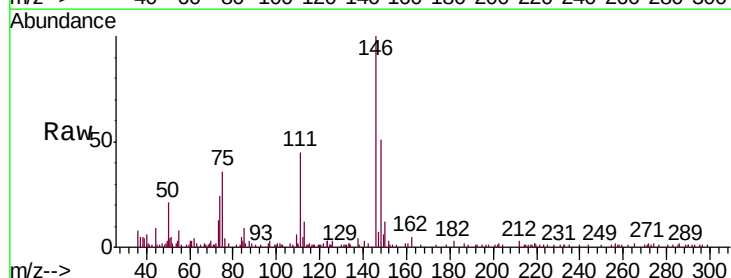
Tgt Ion:146 Resp: 10250

Ion Ratio Lower Upper

146 100

111 44.7 29.5 54.9

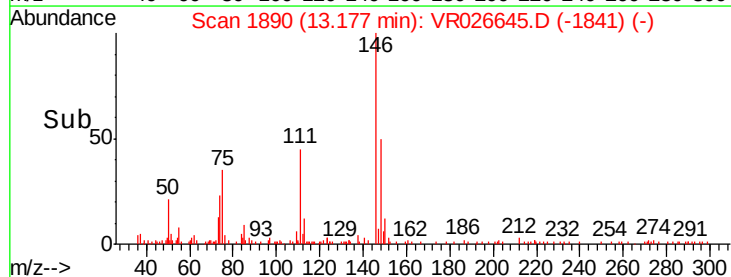
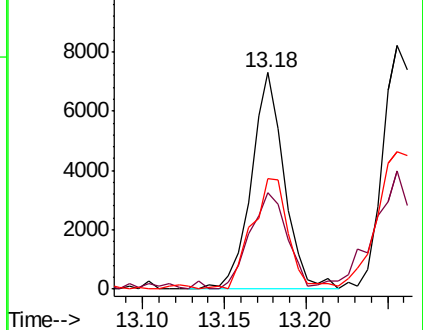
148 51.0 42.8 79.4

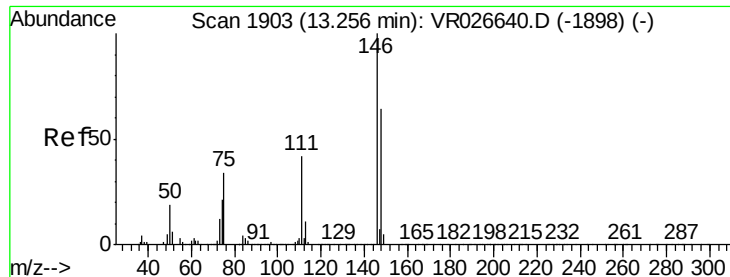


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

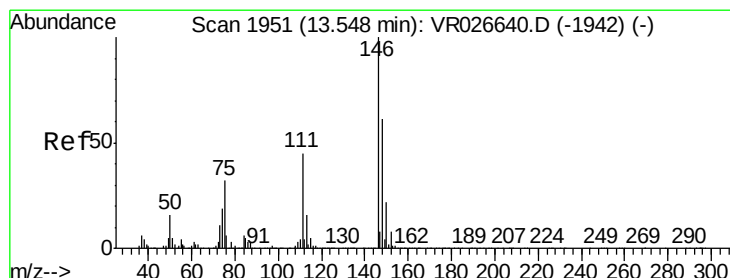
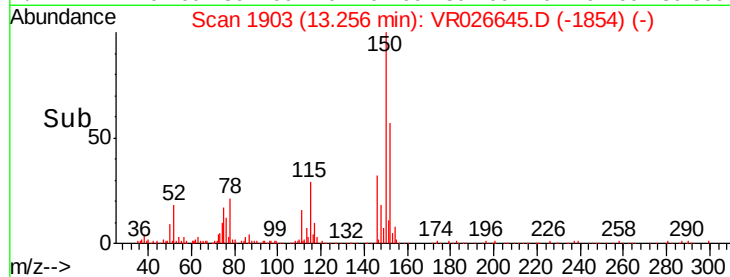
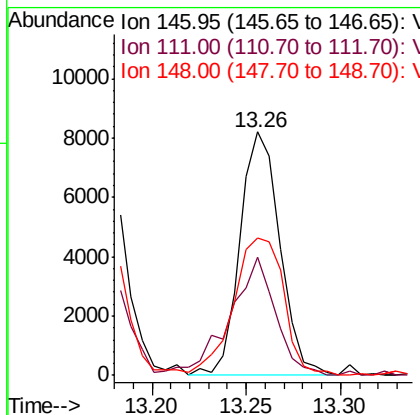
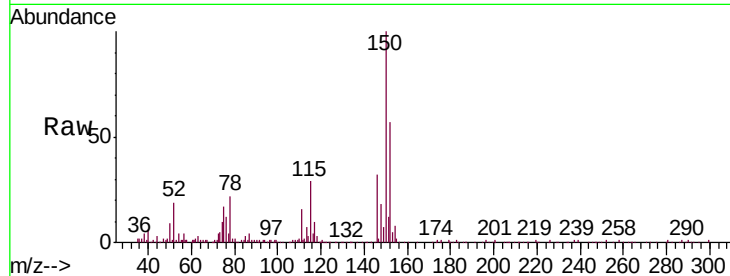




#63
 1,4-Dichlorobenzene
 Concen: 0.309 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

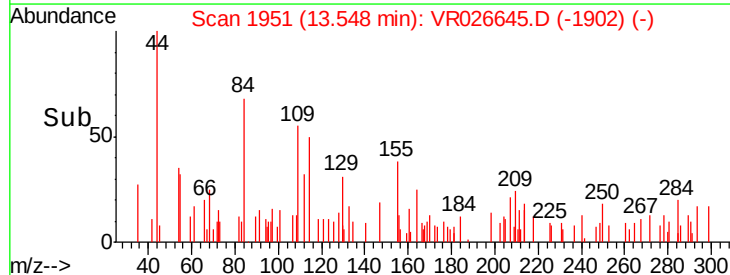
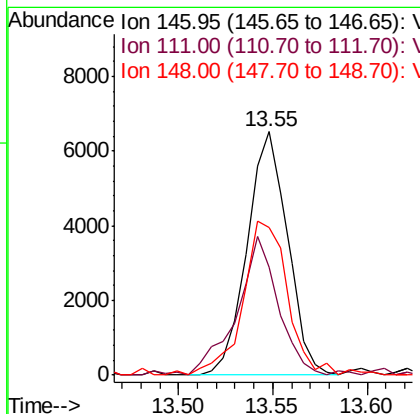
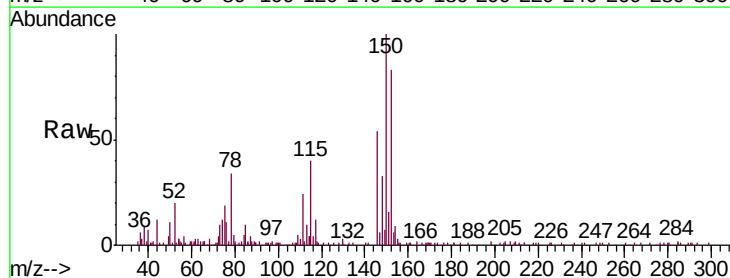
Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

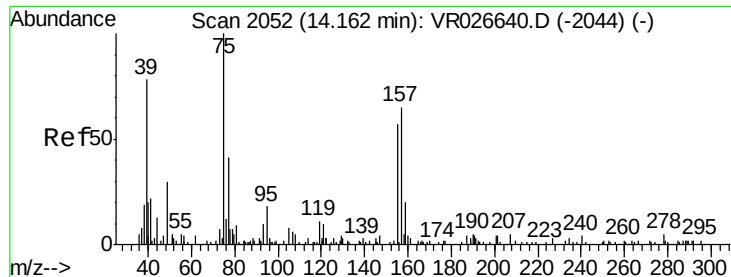
Tgt Ion:146 Resp: 12014
 Ion Ratio Lower Upper
 146 100
 111 48.7 31.1 57.9
 148 56.7 44.6 82.8



#65
 1,2-Dichlorobenzene
 Concen: 0.292 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Tgt Ion:146 Resp: 9677
 Ion Ratio Lower Upper
 146 100
 111 44.5 38.2 57.2
 148 60.6 50.1 75.1





#66

1,2-Dibromo-3-chloropropane

Concen: 0.457 ug/L

RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

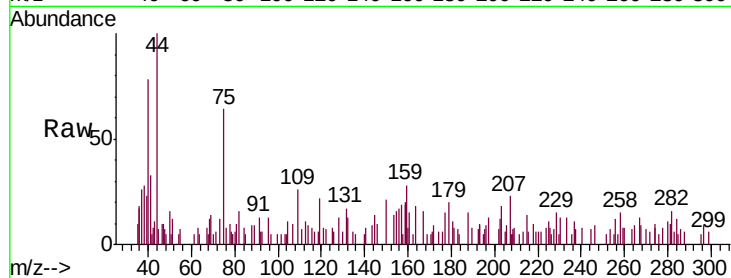
Tgt Ion: 75 Resp: 755

Ion Ratio Lower Upper

75 100

155 24.9 49.4 74.2#

157 30.5 65.2 97.8#

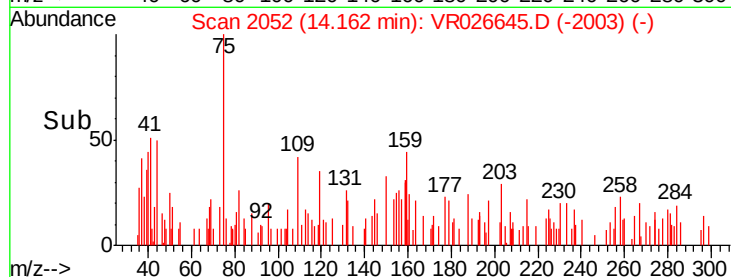


Abundance Ion 75.05 (74.75 to 75.75): VR0

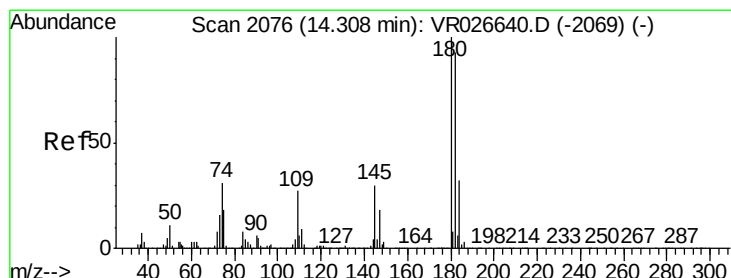
Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

Time-->



Time-->



#67

1,3,5-Trichlorobenzene

Concen: 0.264 ug/L

RT: 14.30 min Scan# 2075

Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Tgt Ion: 180 Resp: 8361

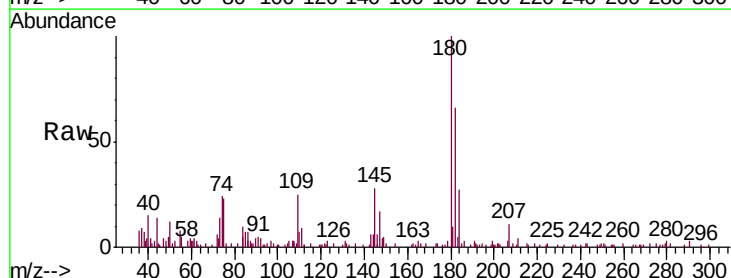
Ion Ratio Lower Upper

180 100

182 94.0 76.3 114.5

184 35.7 24.4 36.6

145 33.4 25.1 37.7



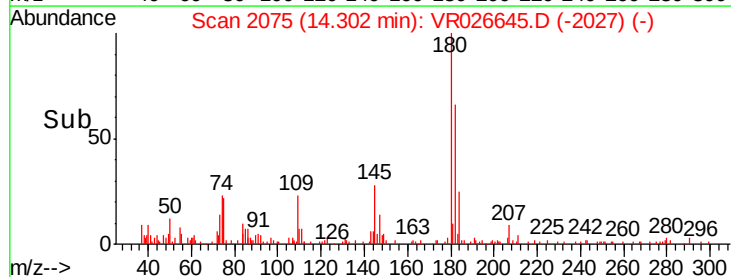
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

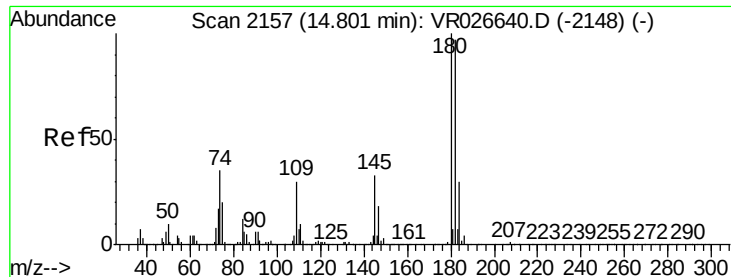
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

Time-->



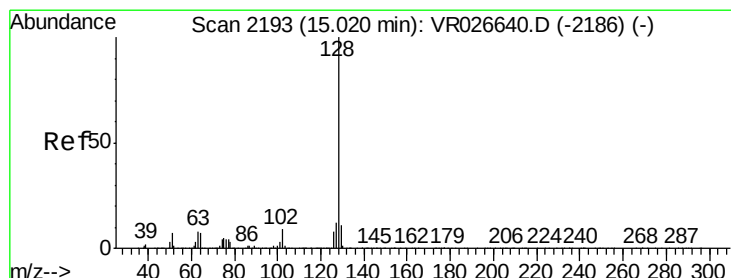
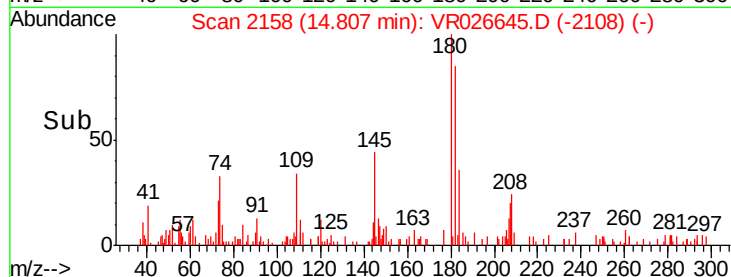
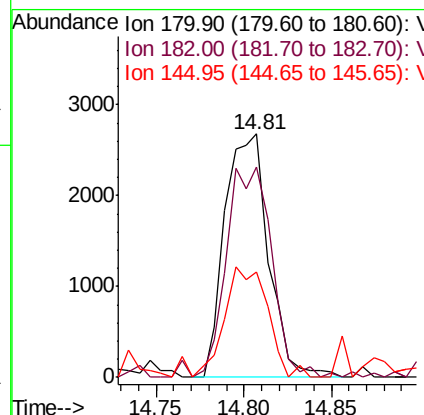
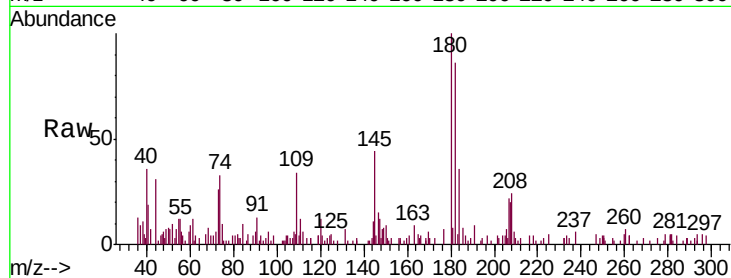
Time-->



#68
1,2,4-trichlorobenzene
Concen: 0.209 ug/L
RT: 14.81 min Scan# 2158
Delta R.T. 0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

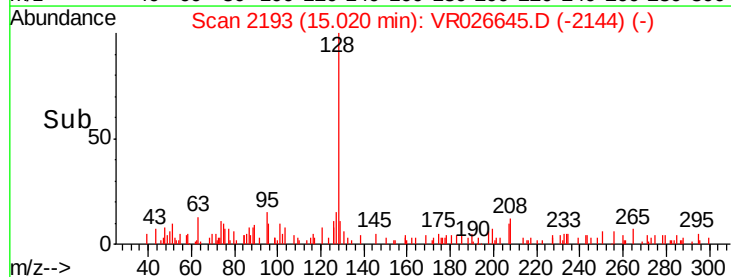
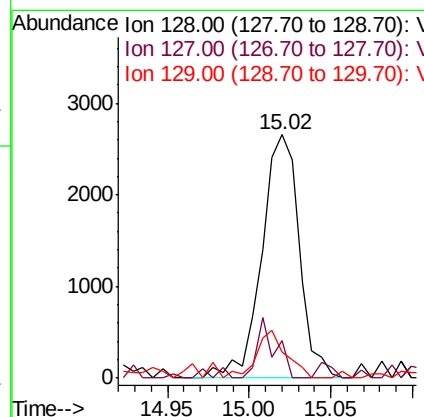
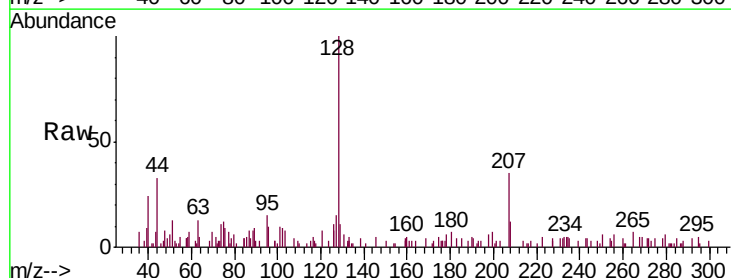
Instrument :
MSVOA_R
ClientSampleId :
MDL05

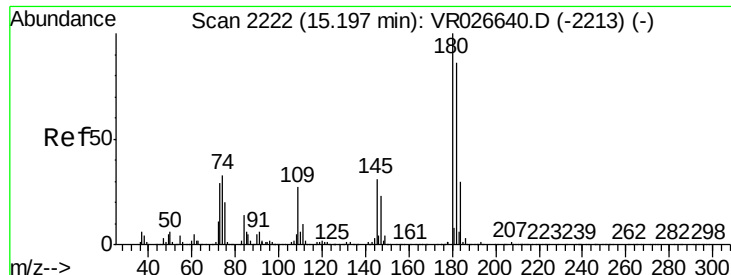
Tgt Ion:180 Resp: 4656
Ion Ratio Lower Upper
180 100
182 89.9 75.1 112.7
145 44.6 25.9 38.9#



#69
Naphthalene
Concen: 0.143 ug/L
RT: 15.02 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion:128 Resp: 4250
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 14.7 8.9 13.3#

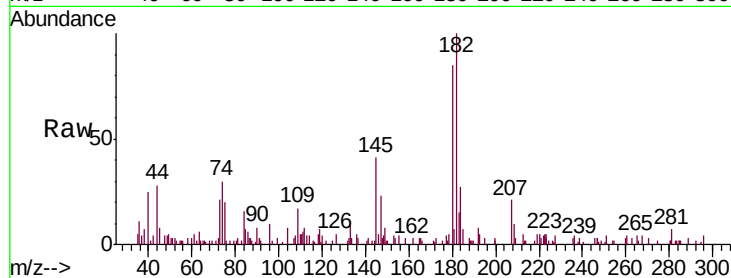




#70
 1,2,3-Trichlorobenzene
 Concen: 0.250 ug/L
 RT: 15.20 min Scan# 2223
 Delta R.T. 0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.1	76.2	114.4
145	49.6	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

