

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR091319\
 Data File : VR026637.D
 Acq On : 13 Sep 2019 17:53
 Operator : SY/MD
 Sample : MDL03
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 12:45:05 AM

Quant Time: Sep 14 07:12:42 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Sep 14 06:49:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	337559	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	277635	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	120822	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	36781	3.97	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	2.65	69	38060	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	3.65	63	74981	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	6.61	46	103128	51.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.54%
24) Chloroform-d	7.23	84	174793	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	7.91	65	61658	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
32) Benzene-d6	7.88	84	322240	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	8.92	67	90309	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.99	98	246048	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
43) trans-1,3-Dichloropropene-	10.26	79	18808	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	10.61	63	68584	54.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.02%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	46913	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.20%
64) 1,2-Dichlorobenzene-d4	13.53	152	73472	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.86	85	11474m	0.301	ug/L	
3) Chloromethane	2.07	50	6833m	0.343	ug/L	
5) Vinyl chloride	2.19	62	6670m	0.334	ug/L	
6) Bromomethane	2.54	94	4564m	0.364	ug/L	
8) Chloroethane	2.68	64	3484m	0.303	ug/L	
9) Trichlorofluoromethane	2.99	101	10958m	0.317	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	5178	0.342	ug/L #	24
12) 1,1-Dichloroethene	3.66	96	5113	0.343	ug/L #	1
13) Acetone	3.73	43	5669	3.747	ug/L	91
14) Carbon disulfide	3.97	76	19892	0.312	ug/L #	94
15) Methyl Acetate	4.22	43	1823	0.287	ug/L #	78
16) Methylene chloride	4.43	84	13406m	0.433	ug/L	
17) Methyl tert-butyl Ether	4.92	73	8492m	0.264	ug/L	
18) trans-1,2-Dichloroethene	4.92	96	9094	0.292	ug/L	89
19) 1,1-Dichloroethane	5.71	63	16133	0.276	ug/L	97
21) 2-Butanone	6.73	43	8526m	3.085	ug/L	
22) cis-1,2-Dichloroethene	6.69	96	8454	0.284	ug/L #	94

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 QLast Update : Sat Sep 14 06:49:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.08	128	3416	0.412	ug/L #	69
25) Chloroform	7.25	83	22925	0.410	ug/L	93
27) 1,2-Dichloroethane	8.02	62	6882	0.350	ug/L #	73
29) 1,1,1-Trichloroethane	7.46	97	11239	0.252	ug/L #	90
30) Cyclohexane	7.54	56	8687m	0.182	ug/L	
31) Carbon tetrachloride	7.66	117	9156	0.242	ug/L	85
33) Benzene	7.93	78	34648m	0.281	ug/L	
34) Trichloroethene	8.72	95	8877	0.289	ug/L	86
35) Methylcyclohexane	8.98	83	9432	0.204	ug/L	94
37) 1,2-Dichloropropane	9.02	63	7009	0.282	ug/L #	97
38) Bromodichloromethane	9.30	83	7514	0.284	ug/L #	92
39) cis-1,3-Dichloropropene	9.73	75	8412m	0.319	ug/L	
40) 4-Methyl-2-pentanone	9.88	43	13304	2.137	ug/L #	86
42) Toluene	10.05	91	33325	0.310	ug/L	94
44) trans-1,3-Dichloropropene	10.28	75	3642m	0.215	ug/L	
45) 1,1,2-Trichloroethane	10.46	97	3707	0.350	ug/L #	77
47) Tetrachloroethene	10.53	164	5028	0.278	ug/L	87
48) 2-Hexanone	10.65	43	10830	2.736	ug/L #	93
49) Dibromochloromethane	10.80	129	3708	0.321	ug/L	93
50) 1,2-Dibromoethane	10.91	107	2730	0.297	ug/L #	86
51) Chlorobenzene	11.33	112	20162	0.323	ug/L #	85
52) Ethylbenzene	11.41	91	27773	0.228	ug/L	98
53) m,p-Xylene	11.51	106	10038	0.230	ug/L	94
54) o-Xylene	11.84	106	9005	0.209	ug/L	92
55) Styrene	11.86	104	12434	0.201	ug/L	97
56) Isopropylbenzene	12.15	105	23388	0.192	ug/L #	94
58) 1,1,2,2-Tetrachloroethane	12.40	83	4021	0.328	ug/L #	92
59) 1,2,3-Trichloropropane	12.45	75	2809	0.312	ug/L #	79
61) Bromoform	12.03	173	1353	0.287	ug/L #	96
62) 1,3-Dichlorobenzene	13.18	146	11876	0.276	ug/L	96
63) 1,4-Dichlorobenzene	13.26	146	12857	0.301	ug/L #	83
65) 1,2-Dichlorobenzene	13.55	146	11591	0.318	ug/L #	83
66) 1,2-Dibromo-3-chloropropan	14.17	75	595	0.328	ug/L #	39
67) 1,3,5-Trichlorobenzene	14.31	180	10060	0.289	ug/L	94
68) 1,2,4-trichlorobenzene	14.80	180	7418	0.302	ug/L	90
69) Naphthalene	15.02	128	7153	0.219	ug/L	96
70) 1,2,3-Trichlorobenzene	15.20	180	6980	0.321	ug/L	97

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

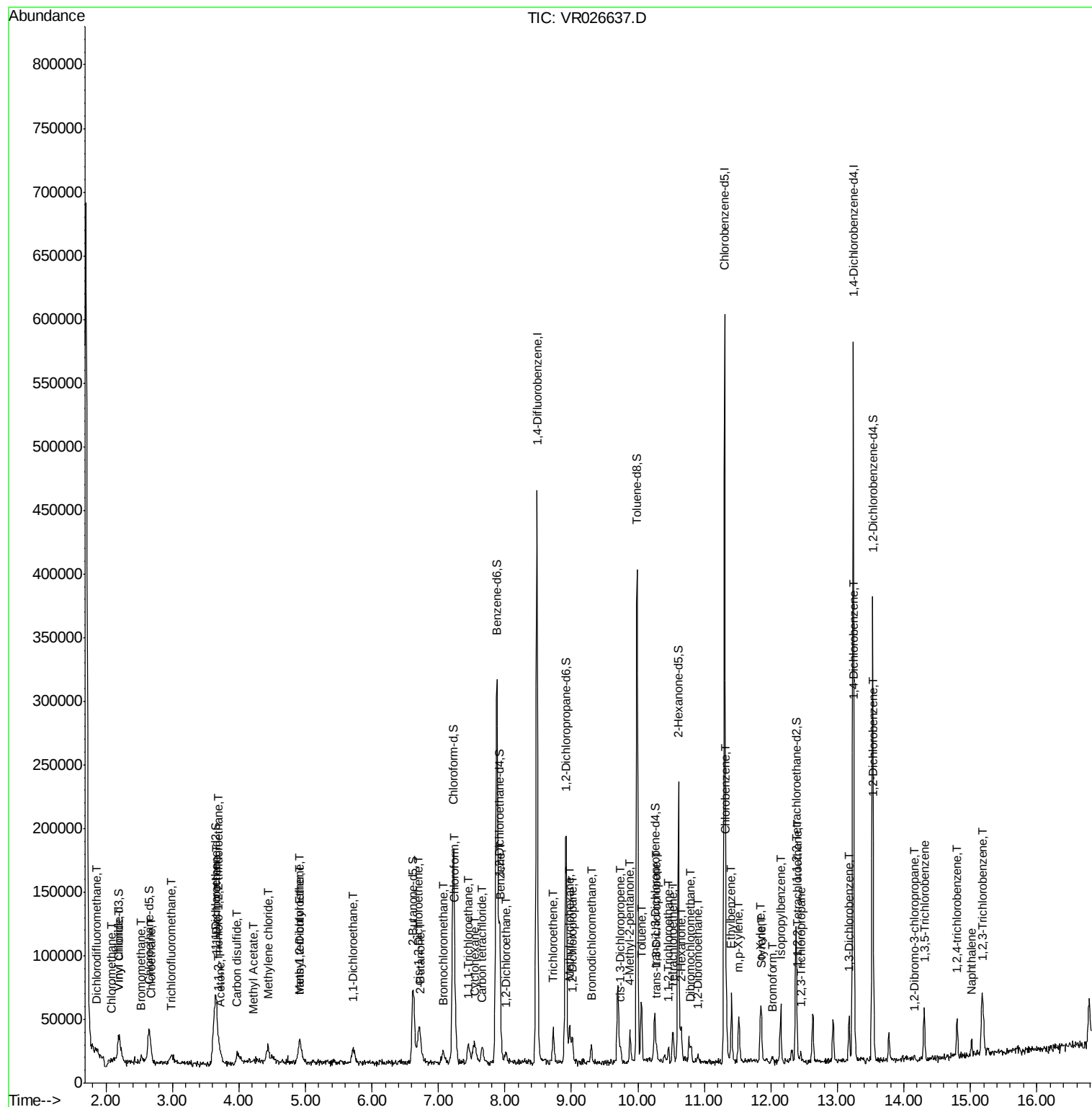
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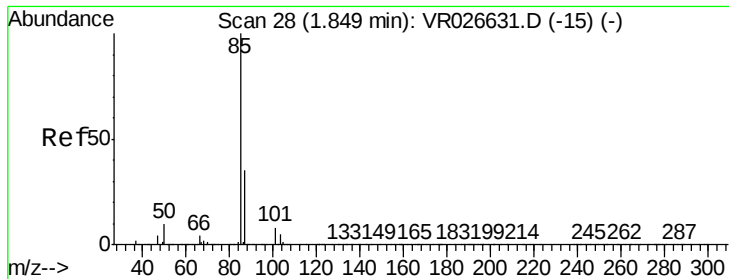
Instrument :
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#2

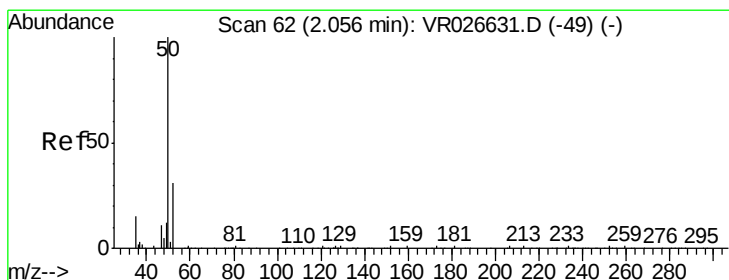
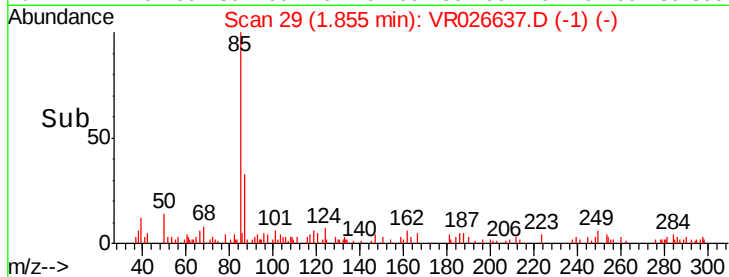
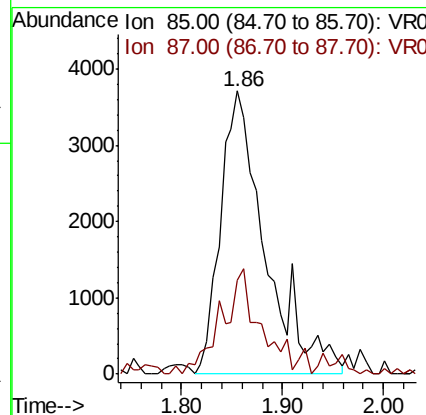
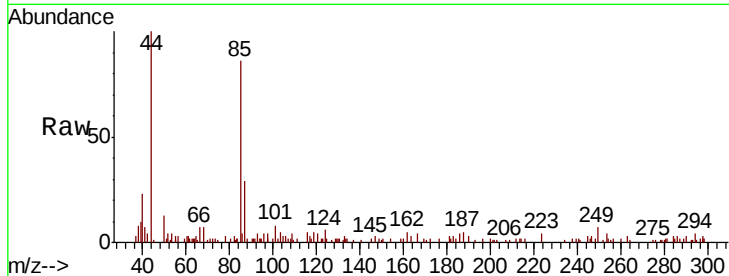
Dichlorodifluoromethane
Concen: 0.301 ug/L m
RT: 1.86 min Scan# 29
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.0	39.0

Manual Integrations
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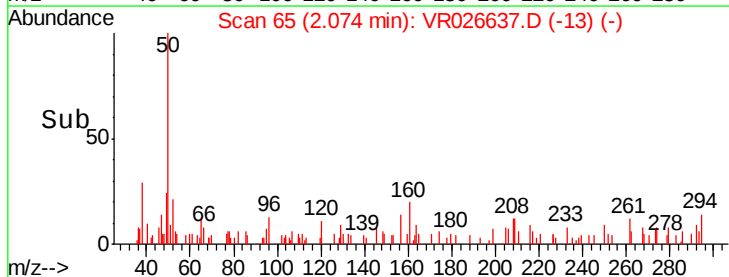
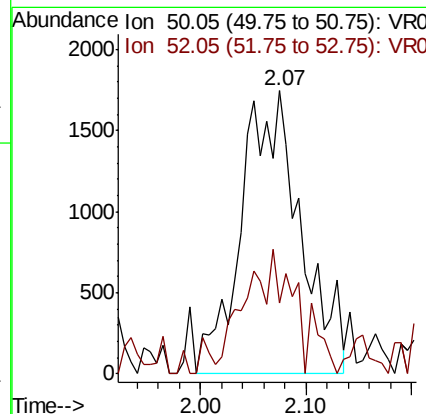
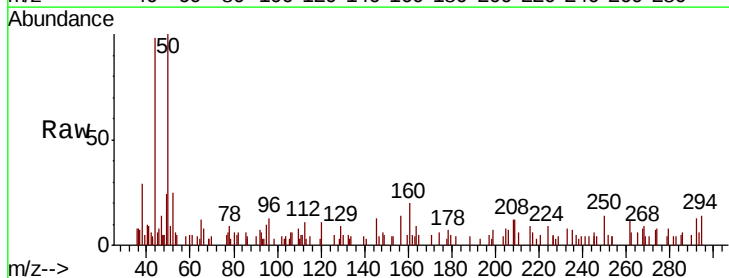
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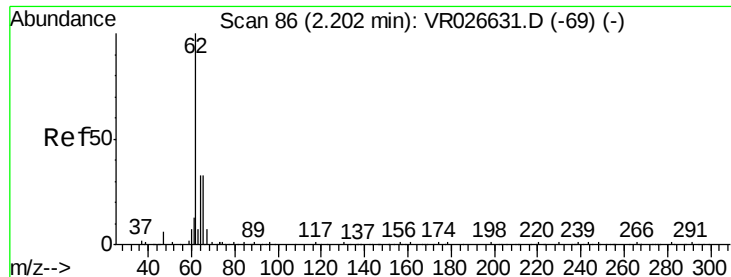


#3

Chloromethane
Concen: 0.343 ug/L m
RT: 2.07 min Scan# 65
Delta R.T. 0.02 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
50	100		
52	25.0	21.7	40.3





#5

Vinyl chloride

Concen: 0.334 ug/L m

RT: 2.19 min Scan# 84

Delta R.T. -0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion: 62 Resp: 6670

Ion Ratio Lower Upper

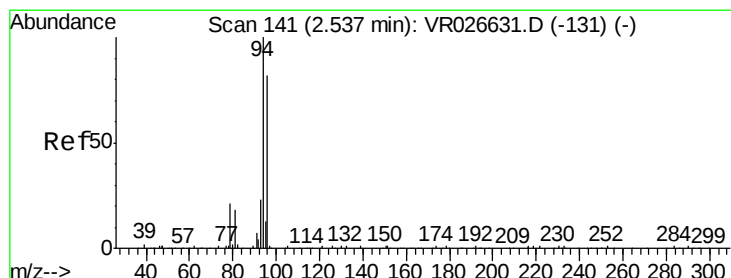
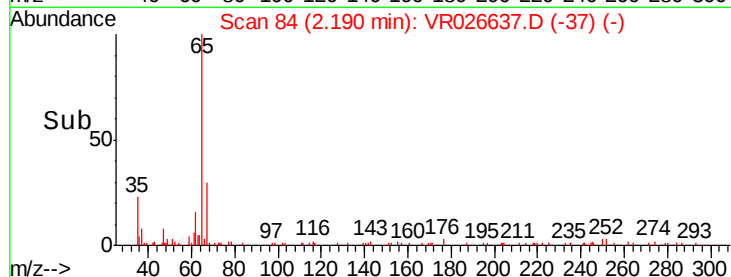
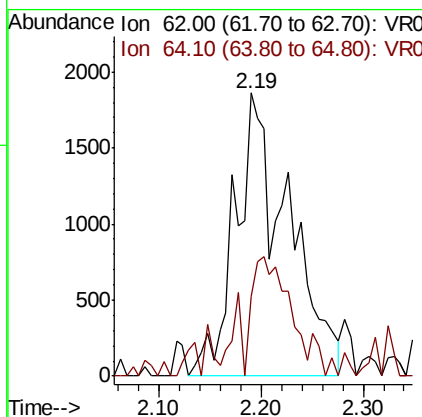
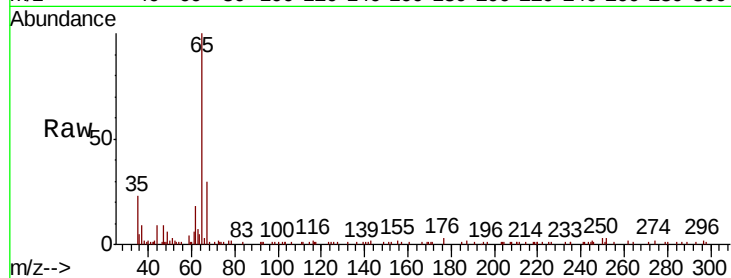
62 100

64 28.4 21.2 39.4

Manual Integrations
APPROVED

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#6

Bromomethane

Concen: 0.364 ug/L m

RT: 2.54 min Scan# 141

Delta R.T. 0.00 min

Lab File: VR026637.D

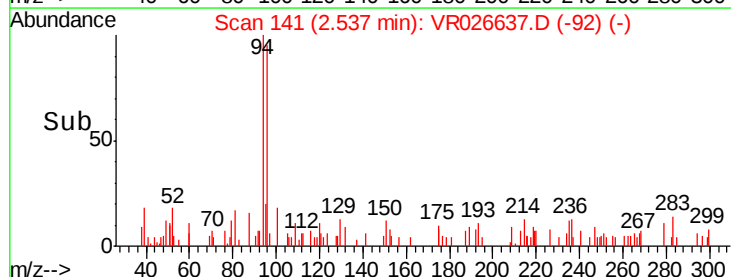
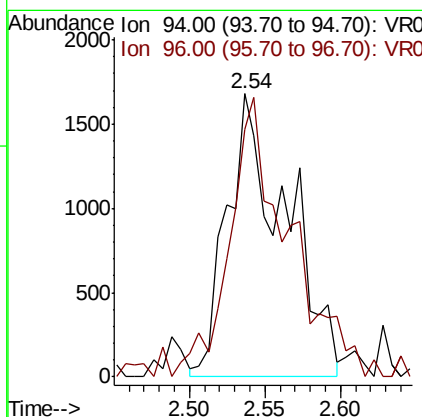
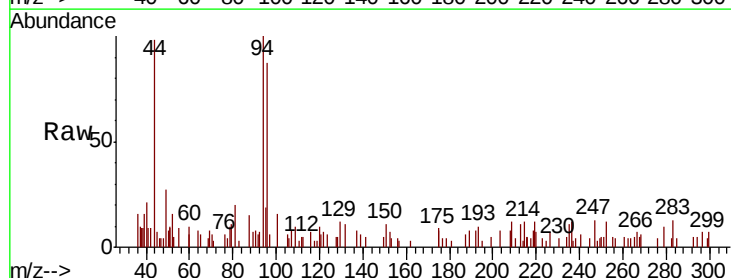
Acq: 13 Sep 2019 17:53

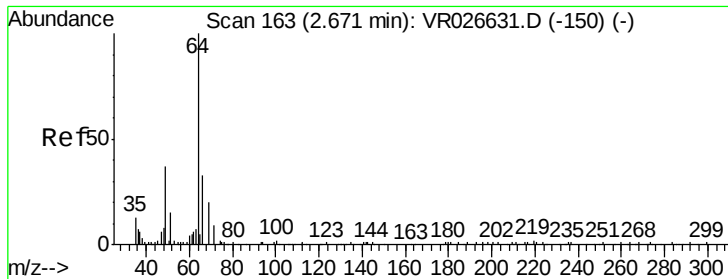
Tgt Ion: 94 Resp: 4564

Ion Ratio Lower Upper

94 100

96 87.4 61.0 113.4





#8

Chloroethane

Concen: 0.303 ug/L m

RT: 2.68 min Scan# 164

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion: 64 Resp: 3484

Ion Ratio Lower Upper

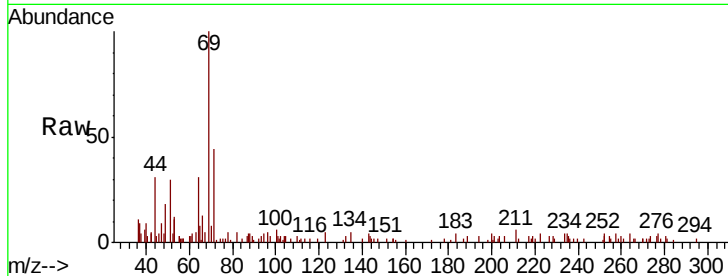
64 100

66 40.9 22.3 41.3

Manual Integrations
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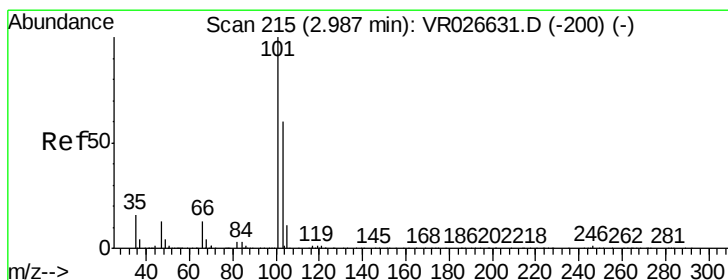
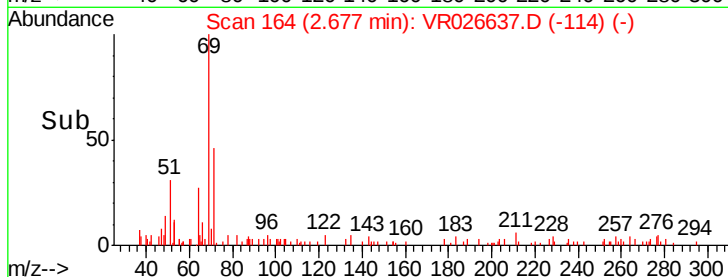
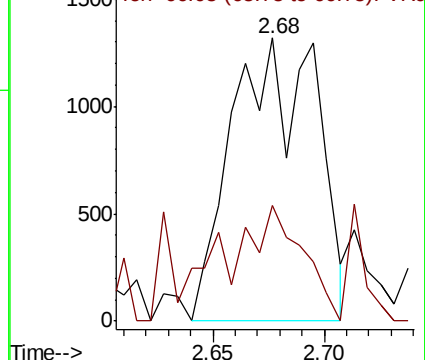
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Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.317 ug/L m

RT: 2.99 min Scan# 215

Delta R.T. 0.00 min

Lab File: VR026637.D

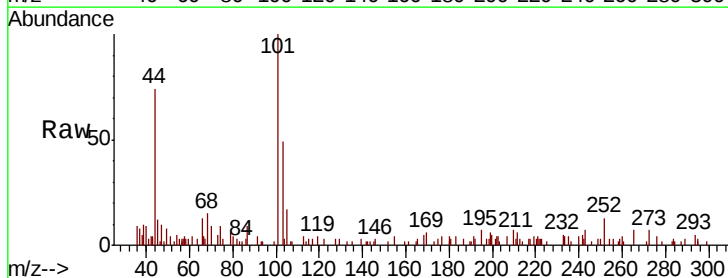
Acq: 13 Sep 2019 17:53

Tgt Ion: 101 Resp: 10958

Ion Ratio Lower Upper

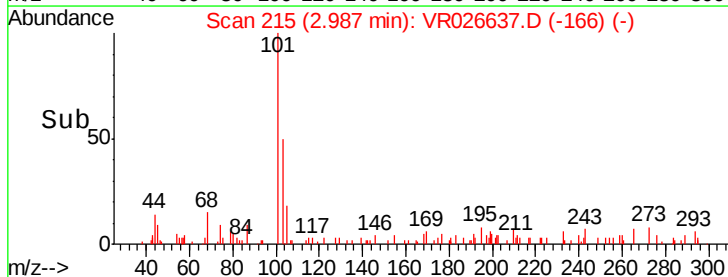
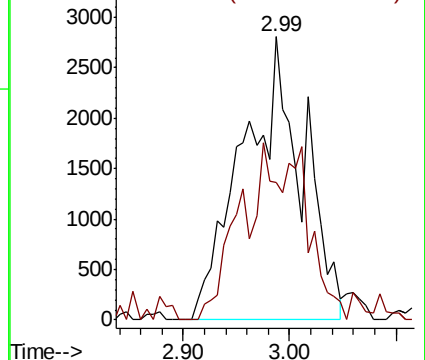
101 100

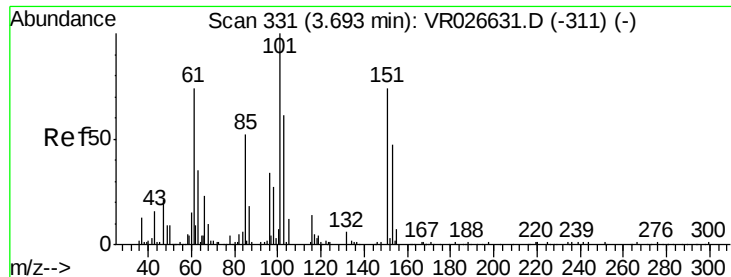
103 21.9 50.9 76.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 0.342 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

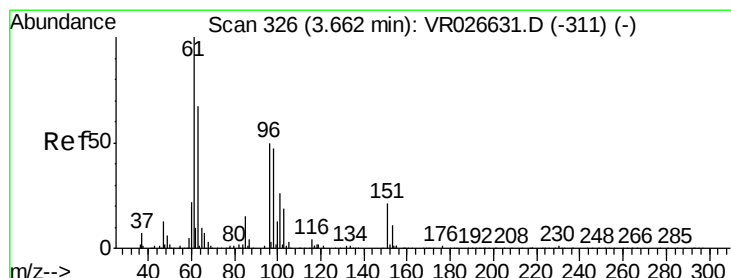
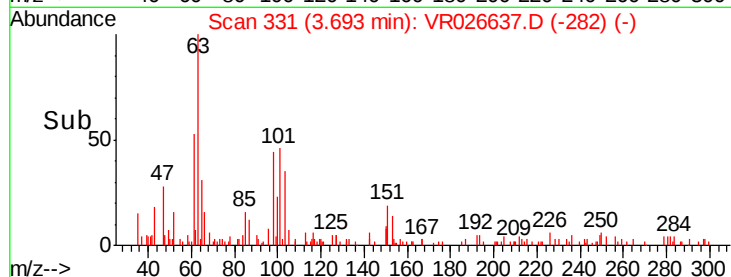
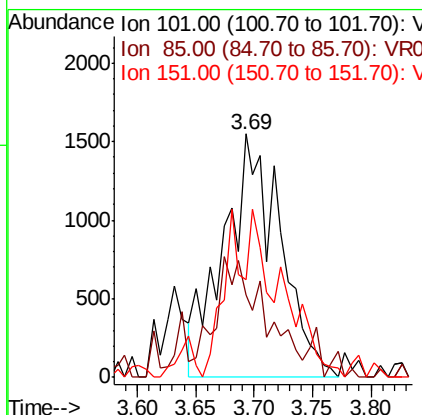
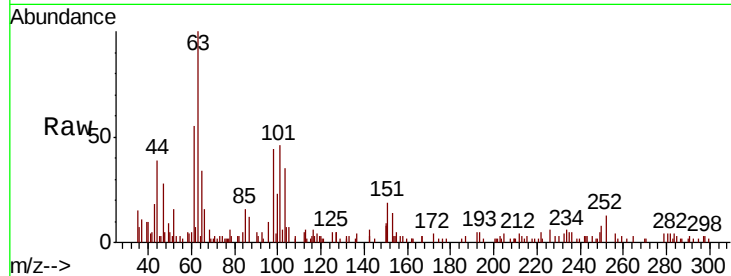
ClientSampled :

MDL03

Tgt Ion:	101	Resp:	5178
Ion Ratio	Lower	Upper	
101	100		
85	0.0	39.7	59.5#
151	7.8	58.4	87.6#

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#12

1,1-Dichloroethene

Concen: 0.343 ug/L

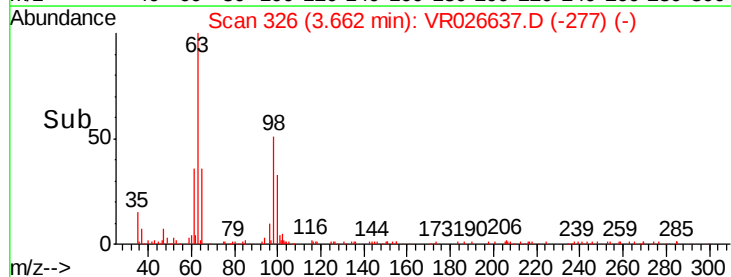
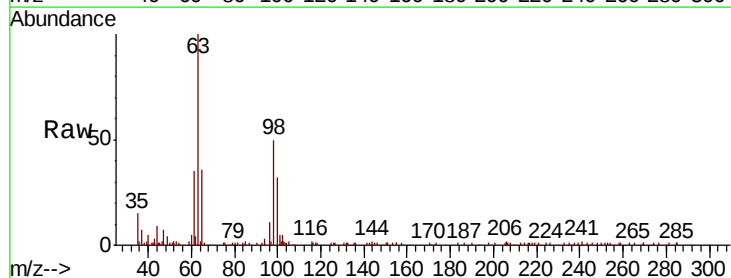
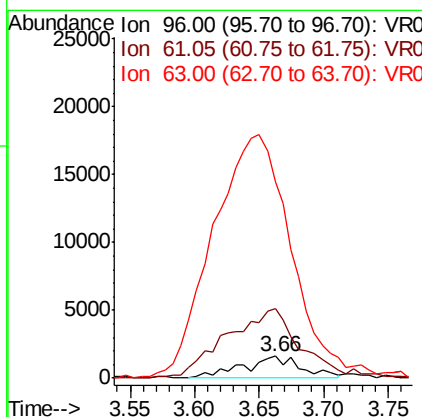
RT: 3.66 min Scan# 326

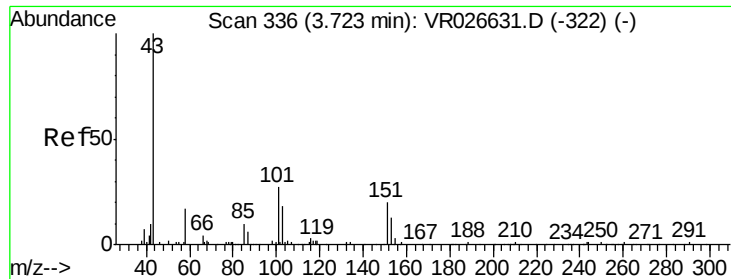
Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Tgt Ion:	96	Resp:	5113
Ion Ratio	Lower	Upper	
96	100		
61	319.4	143.3	266.1#
63	908.0	112.6	209.0#





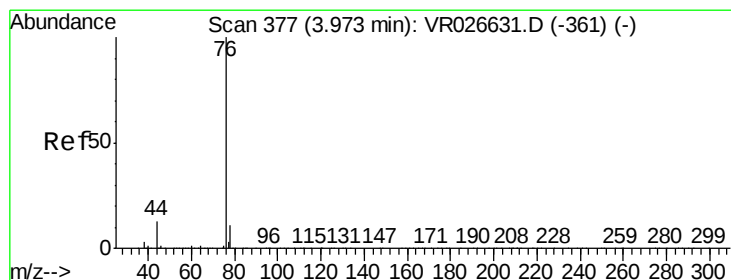
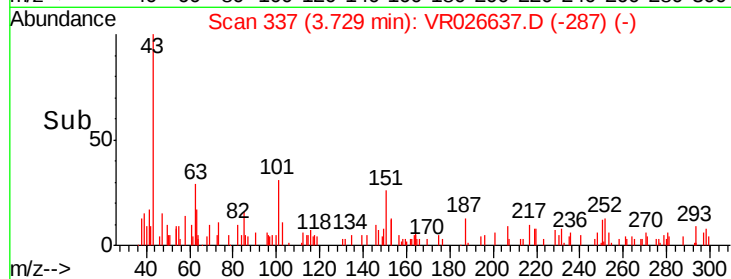
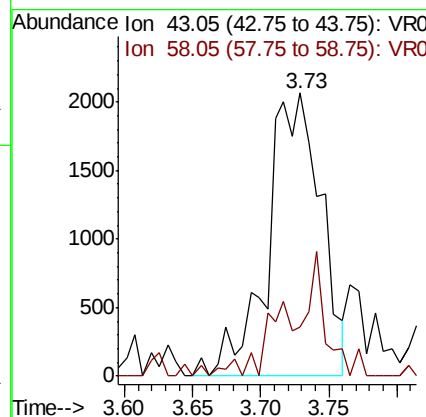
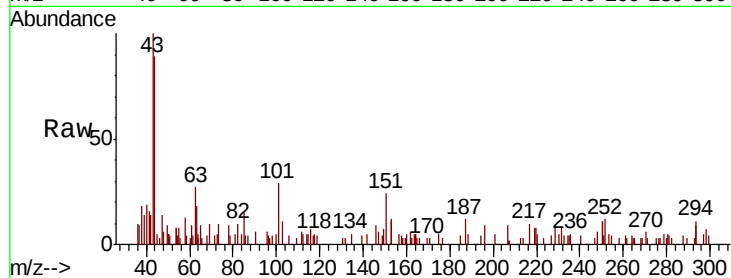
#13
Acetone
Concen: 3.747 ug/L
RT: 3.73 min Scan# 337
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
43	100		
58	16.5	0.0	41.8

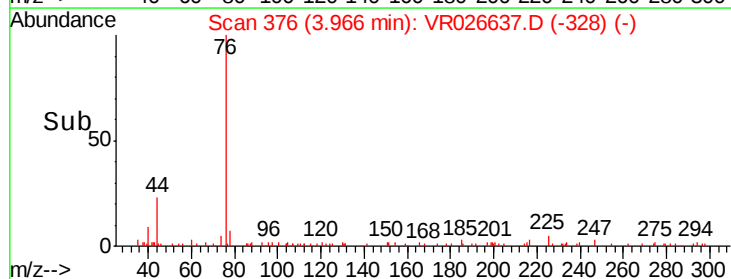
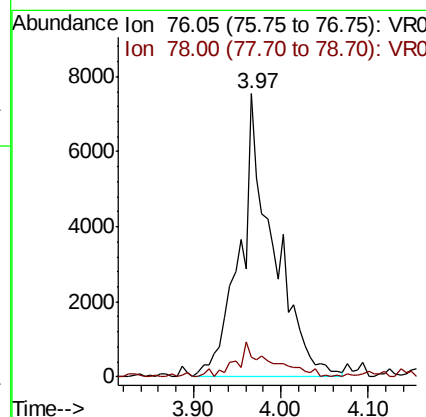
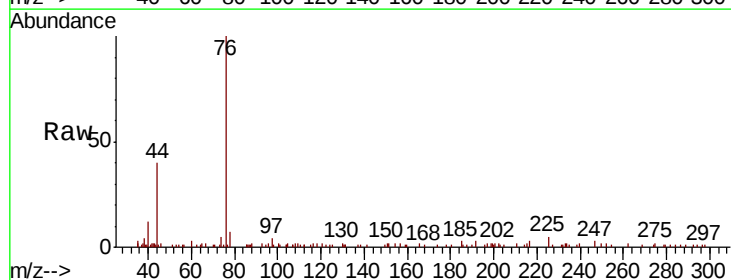
Manual Integrations
APPROVED

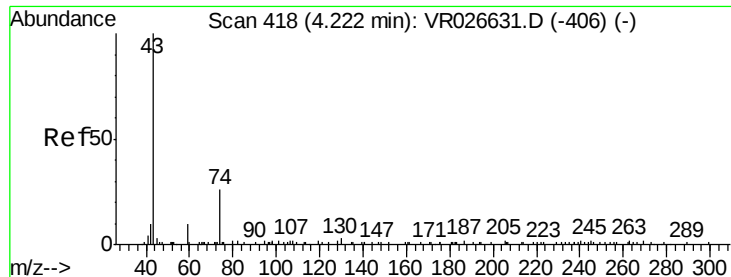
MMDadoda
9/16/2019 12:45:05 AM



#14
Carbon disulfide
Concen: 0.312 ug/L
RT: 3.97 min Scan# 376
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
76	100		
78	6.8	7.4	11.0#





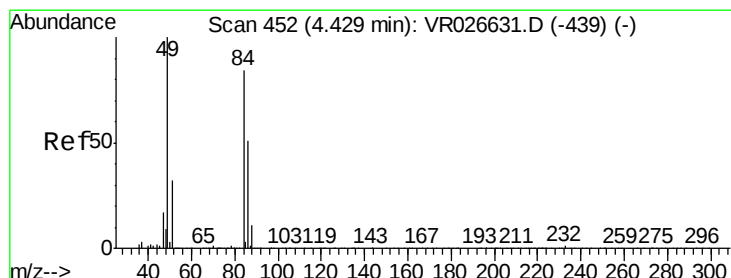
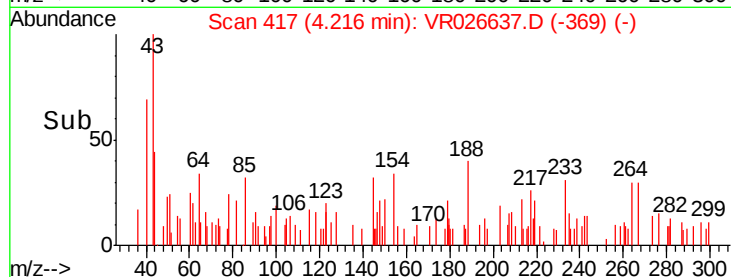
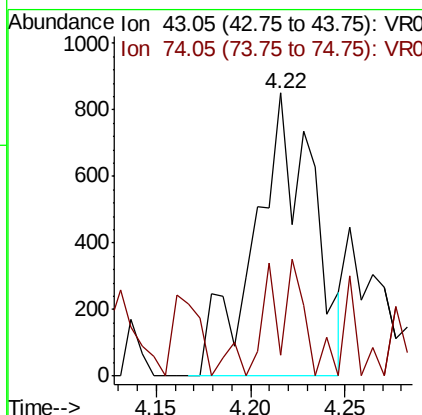
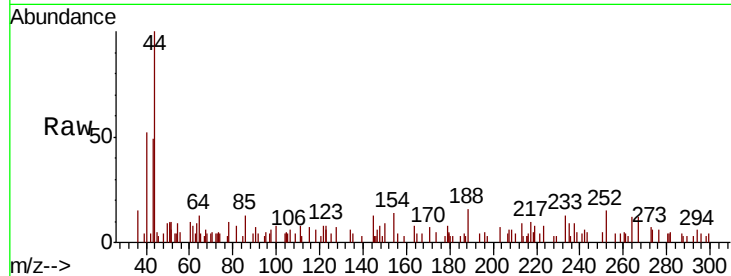
#15
Methyl Acetate
Concen: 0.287 ug/L
RT: 4.22 min Scan# 417
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 11.6 17.5 26.3#

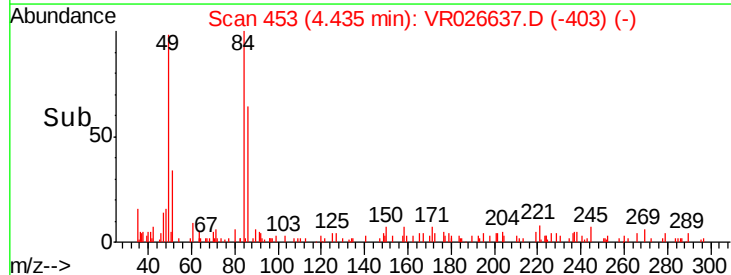
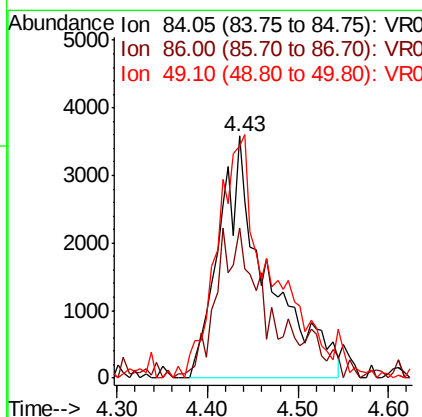
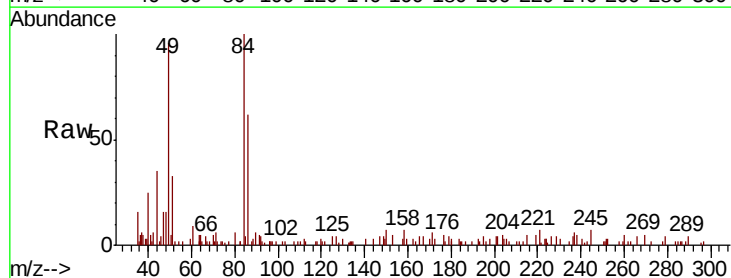
Manual Integrations
APPROVED

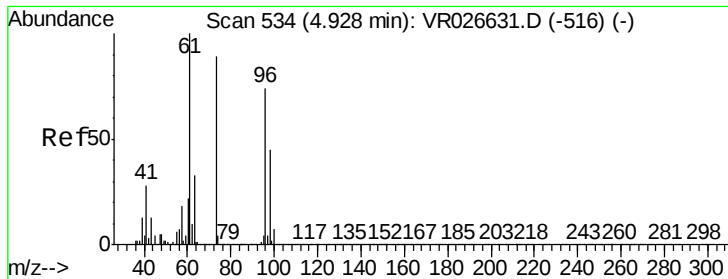
MMDadoda
9/16/2019 12:45:05 AM



#16
Methylene chloride
Concen: 0.433 ug/L m
RT: 4.43 min Scan# 453
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion: 84 Resp: 13406
Ion Ratio Lower Upper
84 100
86 62.3 44.2 82.0
49 96.0 82.3 152.9





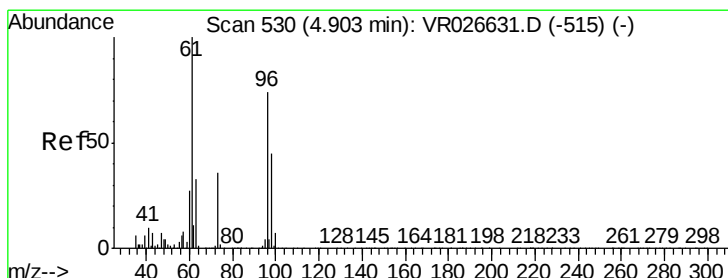
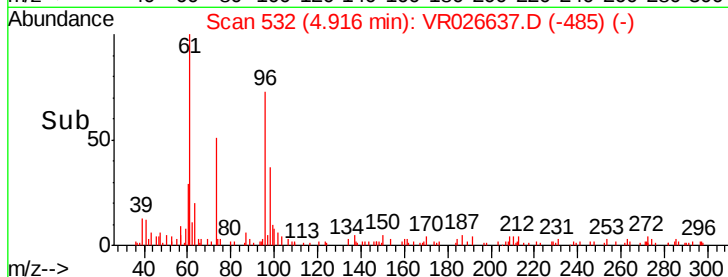
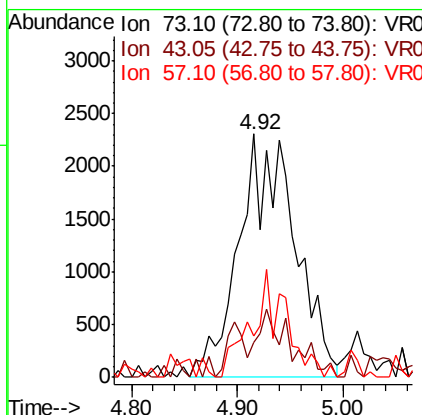
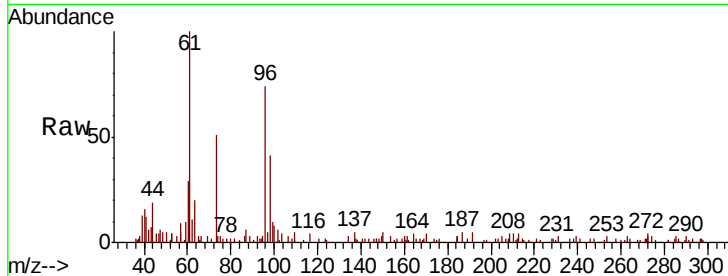
#17
Methyl tert-butyl Ether
Concen: 0.264 ug/L m
RT: 4.92 min Scan# 532
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
73	100	8492		
43	7.5	14.7	22.1#	
57	16.2	18.9	28.3#	

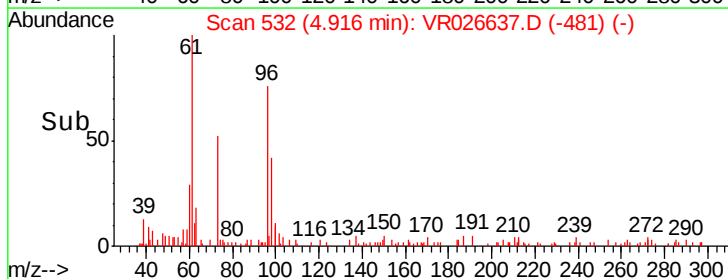
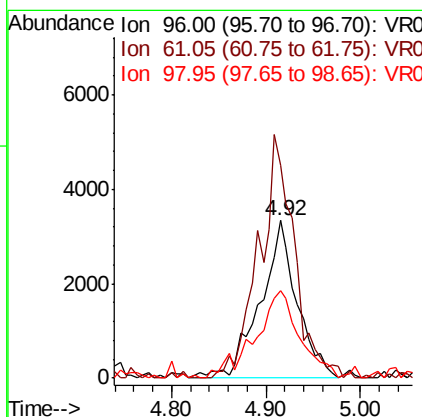
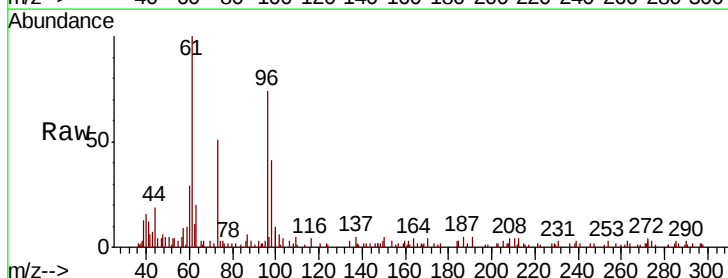
Manual Integrations
APPROVED

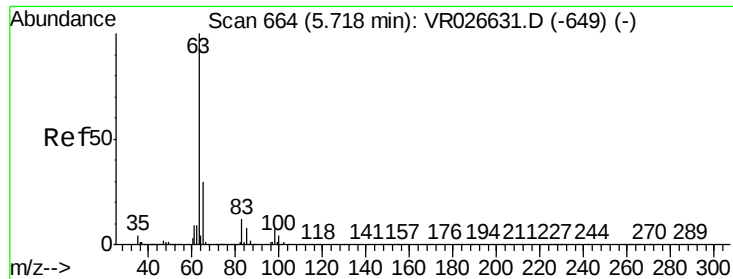
MMDadoda
9/16/2019 12:45:05 AM



#18
trans-1,2-Dichloroethene
Concen: 0.292 ug/L
RT: 4.92 min Scan# 532
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9094		
61	135.1	104.4	194.0	
98	55.2	44.2	82.0	





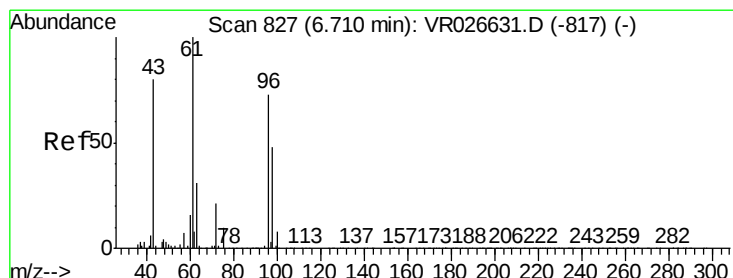
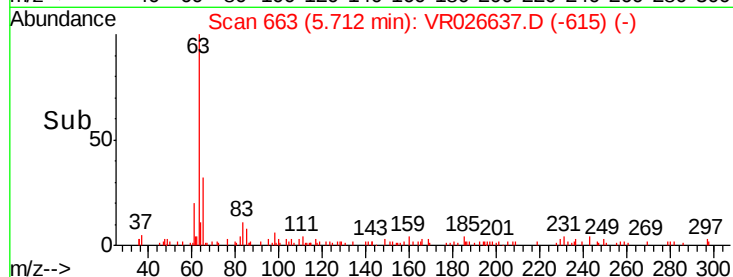
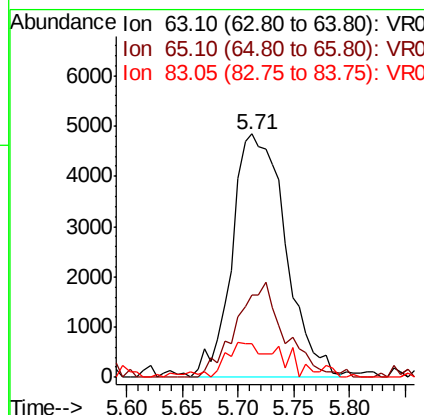
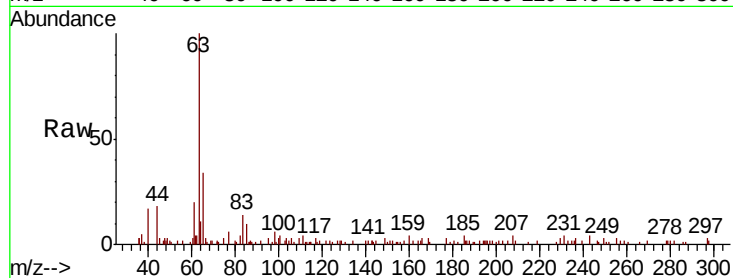
#19
 1,1-Dichloroethane
 Concen: 0.276 ug/L
 RT: 5.71 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
65	33.8	22.5	41.9
83	13.8	8.6	16.0

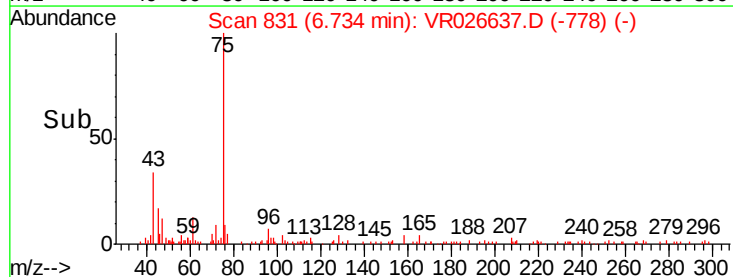
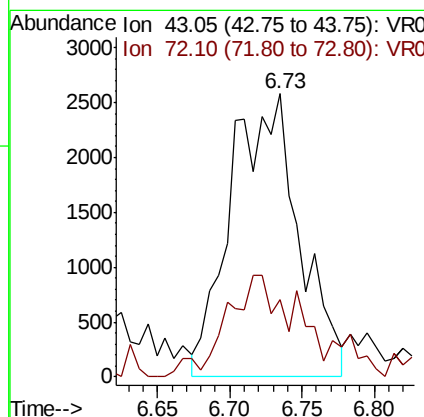
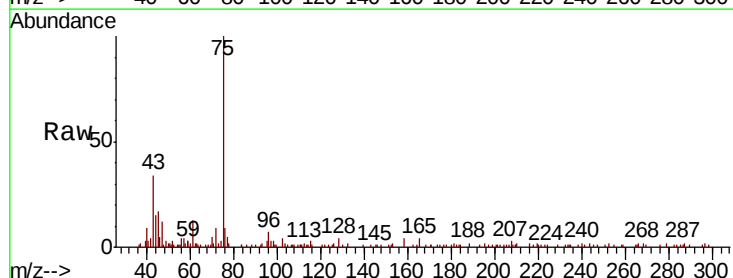
Manual Integrations
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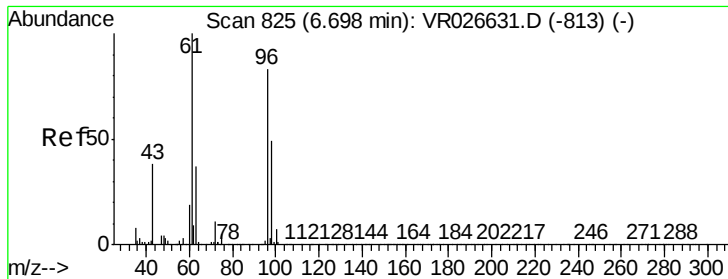
MMDadoda
 9/16/2019 12:45:05 AM



#21
 2-Butanone
 Concen: 3.085 ug/L m
 RT: 6.73 min Scan# 831
 Delta R.T. 0.02 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	1.8	15.0	45.1#





#22

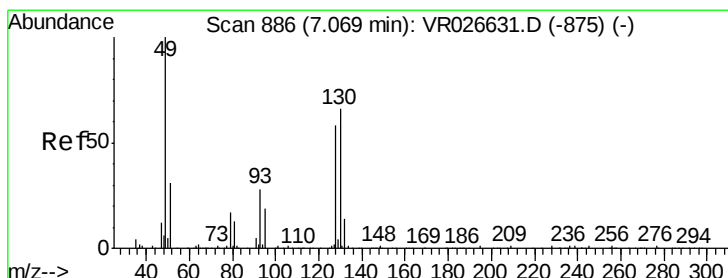
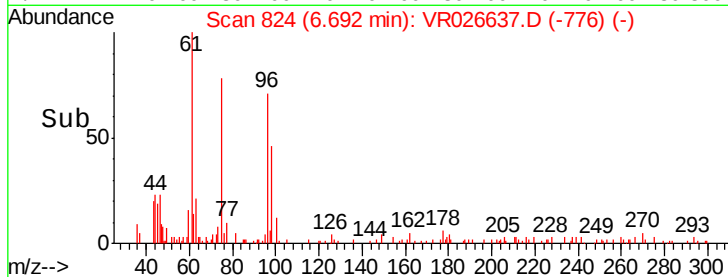
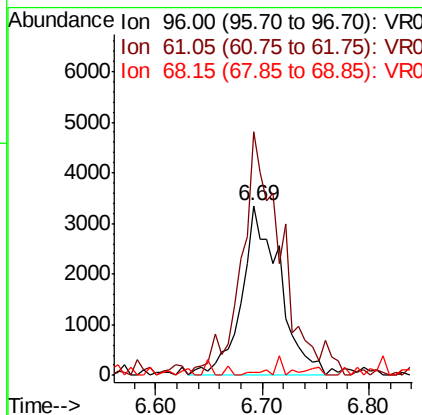
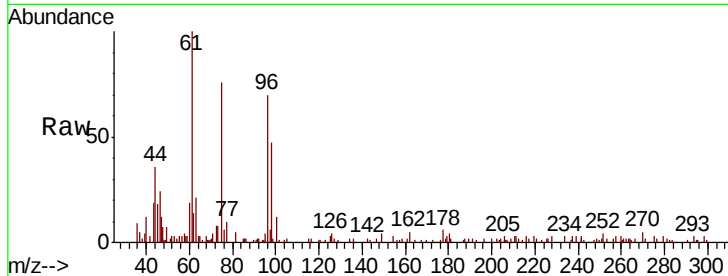
cis-1,2-Dichloroethene
Concen: 0.284 ug/L
RT: 6.69 min Scan# 824
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	8454		
61	143.7	95.4	177.2	
68	1.8	0.0	0.0#	

Manual Integrations
APPROVED

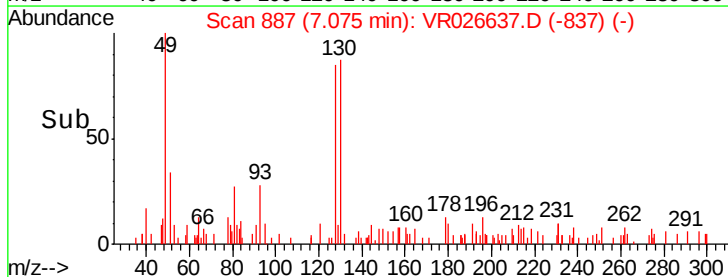
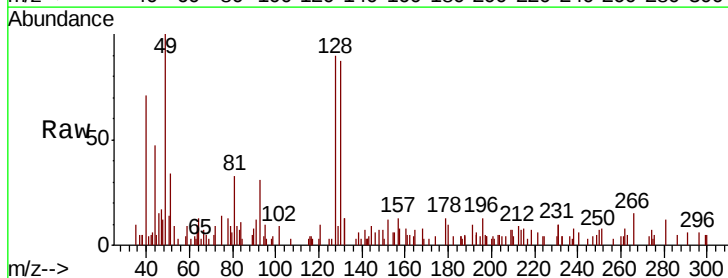
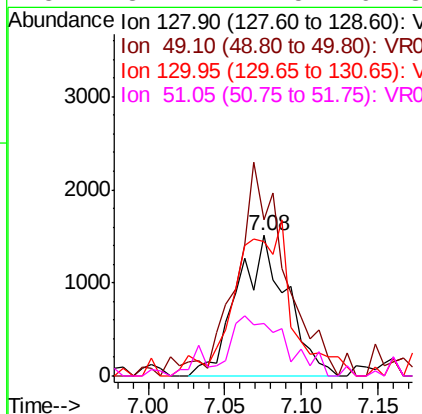
MMDadoda
9/16/2019 12:45:05 AM

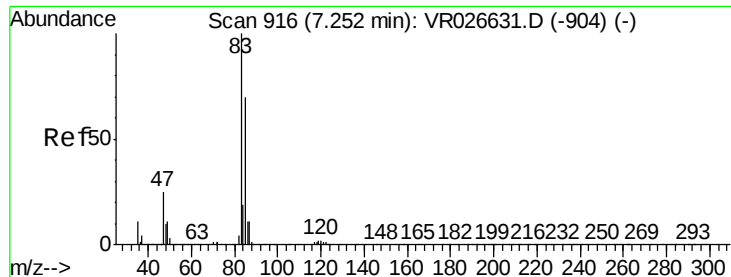


#23

Bromochloromethane
Concen: 0.412 ug/L
RT: 7.08 min Scan# 887
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	3416		
49	111.1	118.6	220.3#	
130	96.1	80.6	149.6	
51	37.4	41.5	62.3#	





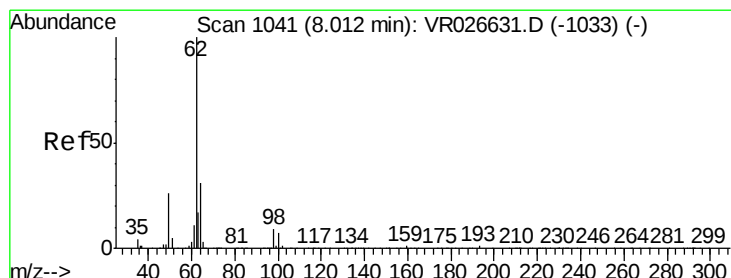
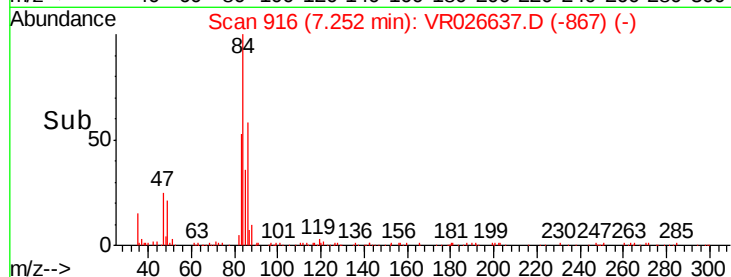
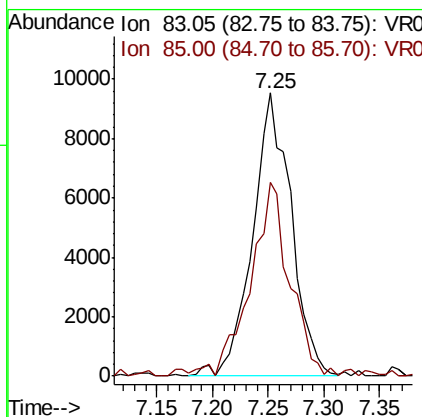
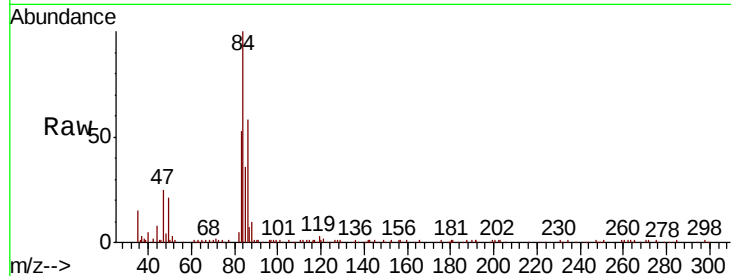
#25
Chloroform
Concen: 0.410 ug/L
RT: 7.25 min Scan# 916
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	22925		
85	68.4	44.3	82.3	

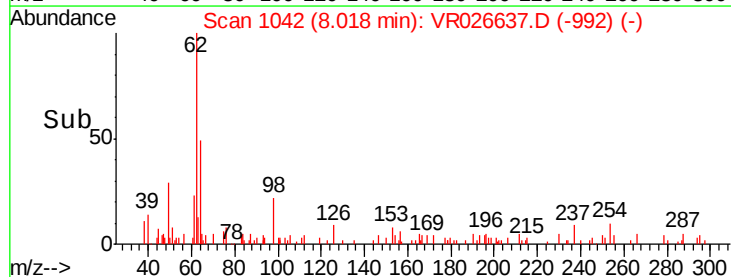
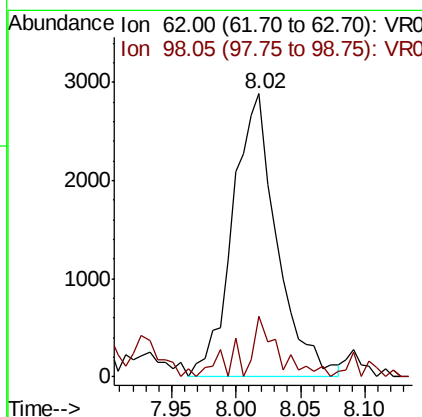
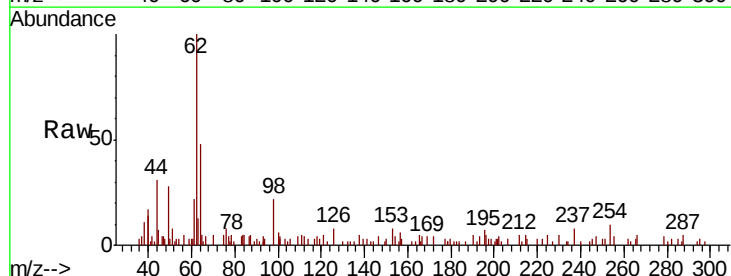
Manual Integrations
APPROVED

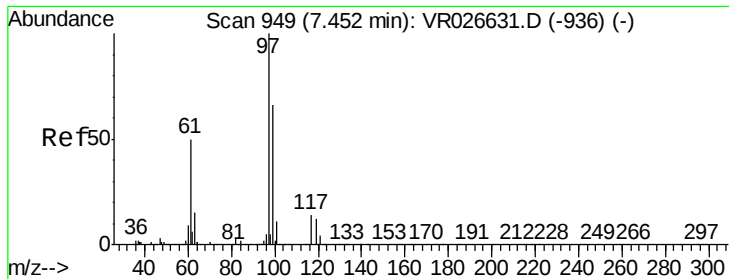
MMDadoda
9/16/2019 12:45:05 AM



#27
1,2-Dichloroethane
Concen: 0.350 ug/L
RT: 8.02 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	6882		
98	21.6	9.0	13.4#	





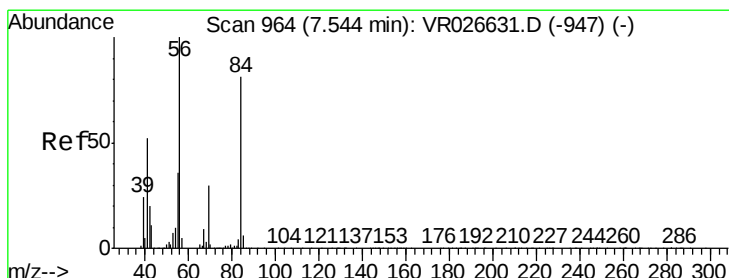
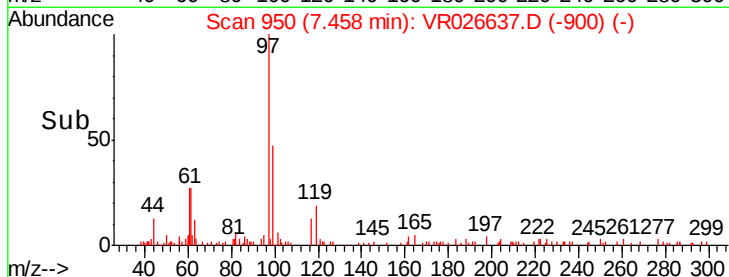
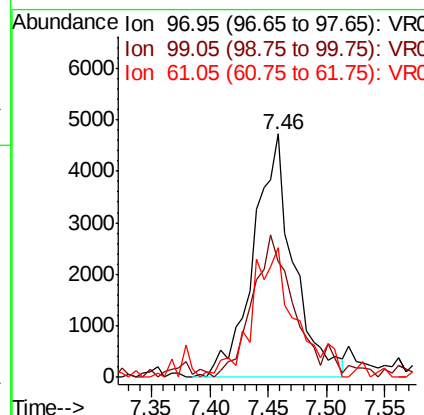
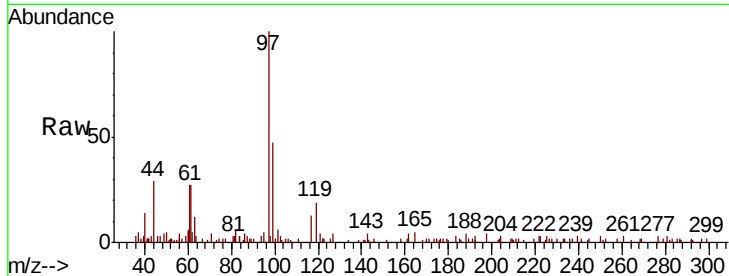
#29
1,1,1-Trichloroethane
Concen: 0.252 ug/L
RT: 7.46 min Scan# 950
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	11239		
99	58.8	50.1	75.1	
61	59.0	37.8	56.8#	

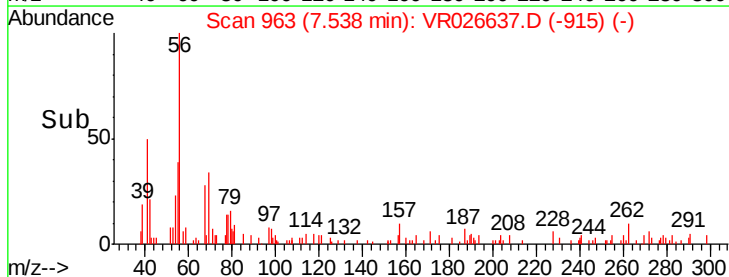
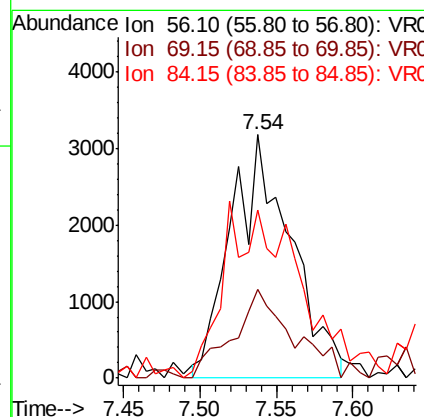
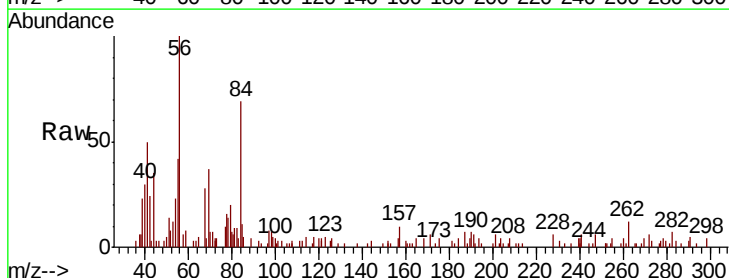
Manual Integrations
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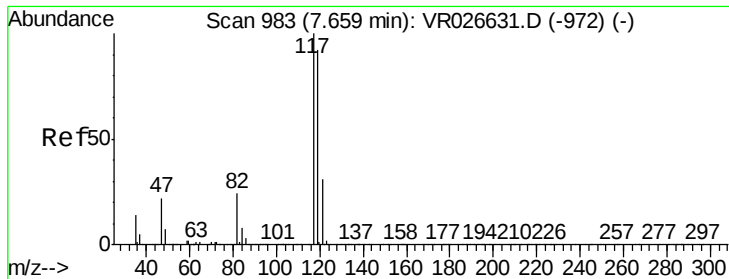
MMDadoda
9/16/2019 12:45:05 AM



#30
Cyclohexane
Concen: 0.182 ug/L m
RT: 7.54 min Scan# 963
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	8687		
69	37.3	25.9	38.9	
84	31.9	67.6	101.4#	





#31

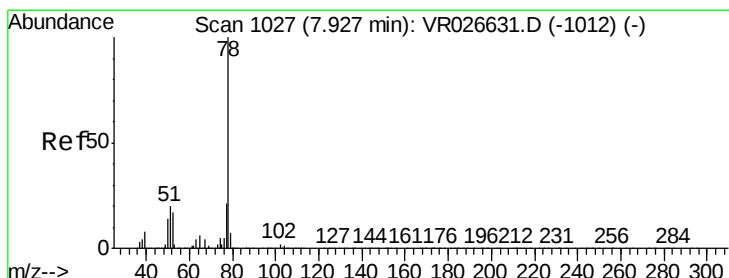
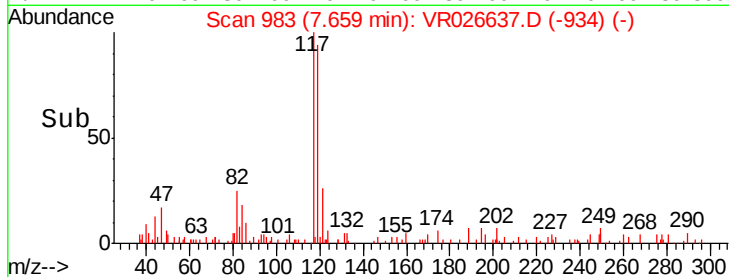
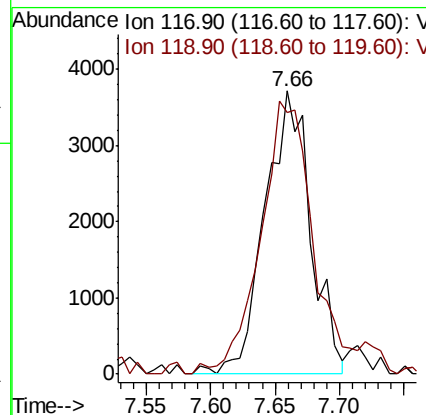
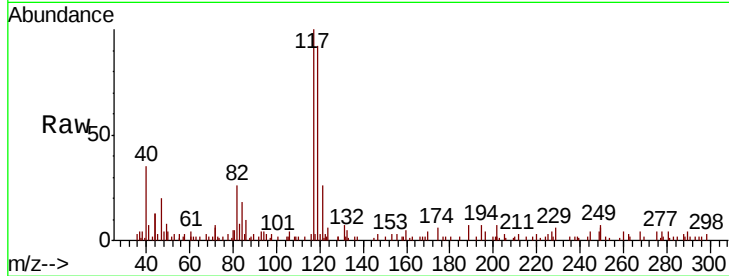
Carbon tetrachloride
Concen: 0.242 ug/L
RT: 7.66 min Scan# 983
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion:117 Resp: 9156
Ion Ratio Lower Upper
117 100
119 110.5 76.6 115.0

Manual Integrations
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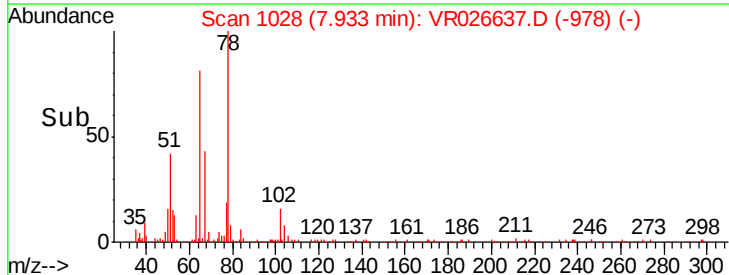
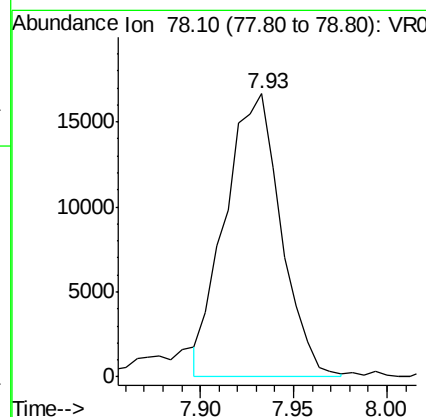
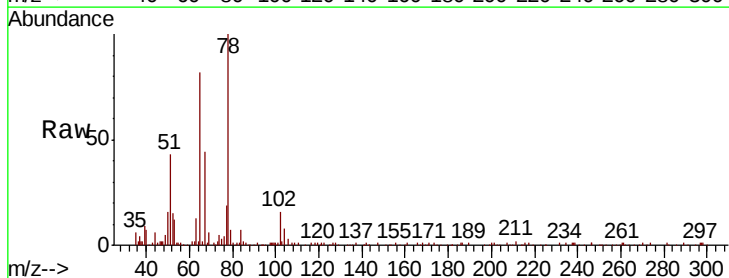
MMDadoda
9/16/2019 12:45:05 AM

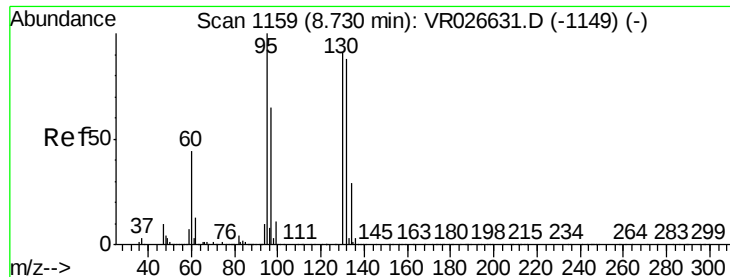


#33

Benzene
Concen: 0.281 ug/L m
RT: 7.93 min Scan# 1028
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion: 78 Resp: 34648





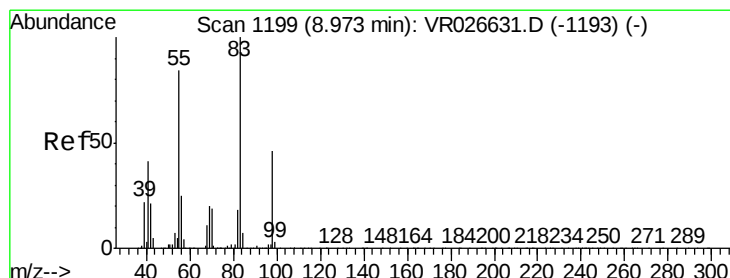
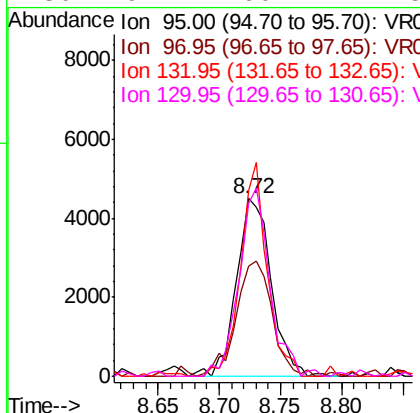
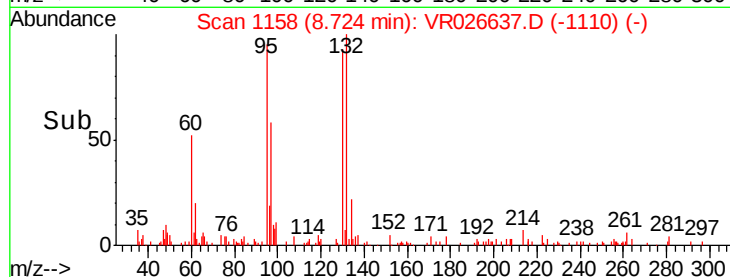
#34
 Trichloroethene
 Concen: 0.289 ug/L
 RT: 8.72 min Scan# 1158
 Delta R.T. -0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Tgt Ion	Ratio	Lower	Upper
95	100		
97	62.0	45.6	84.6
132	104.3	57.3	106.5
130	97.1	60.1	111.5

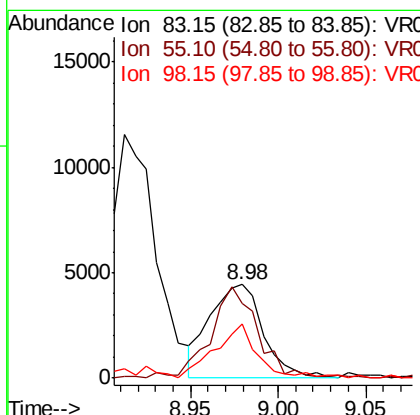
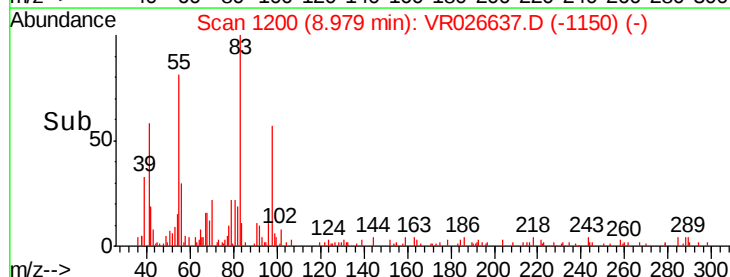
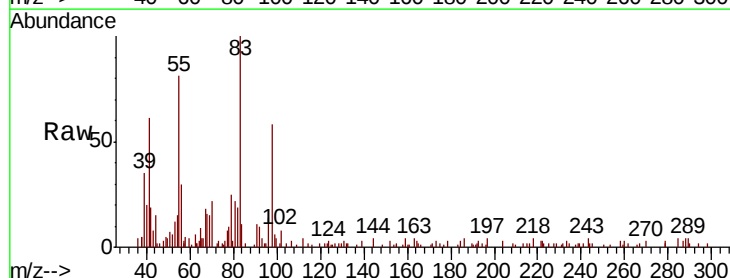
Manual Integrations
 APPROVED

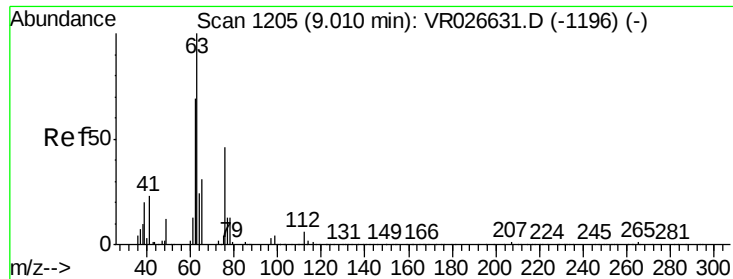
MMDadoda
 9/16/2019 12:45:05 AM



#35
 Methylcyclohexane
 Concen: 0.204 ug/L
 RT: 8.98 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.2	63.5	95.3
98	46.5	35.4	53.0





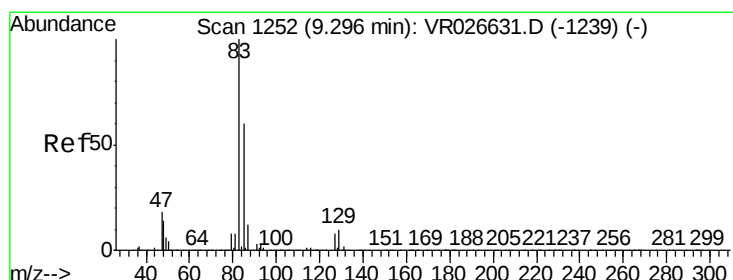
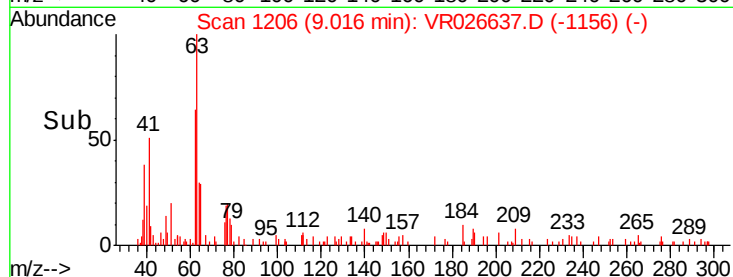
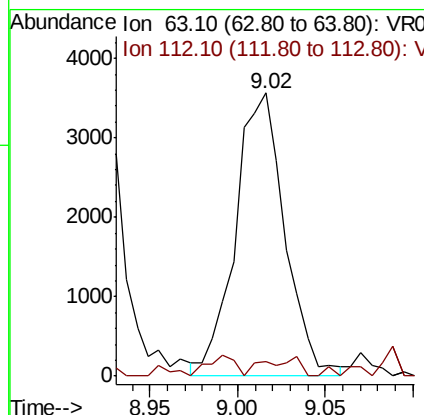
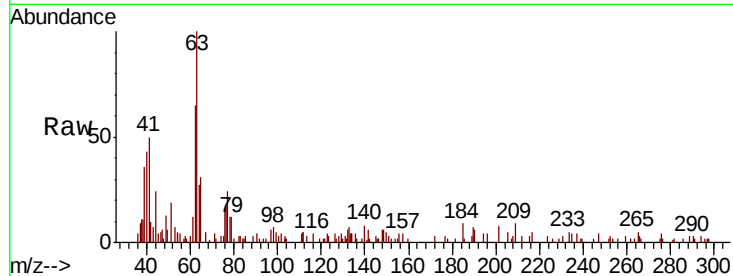
#37
 1,2-Dichloropropane
 Concen: 0.282 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Tgt Ion: 63 Resp: 7009
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.1 4.7#

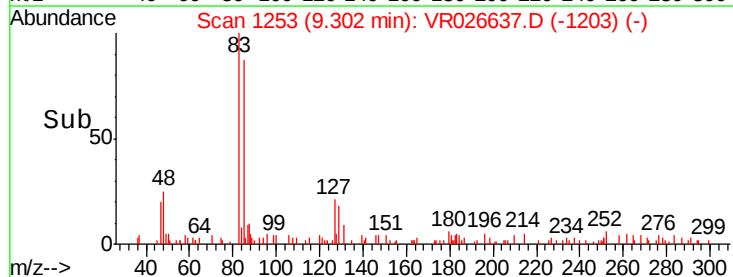
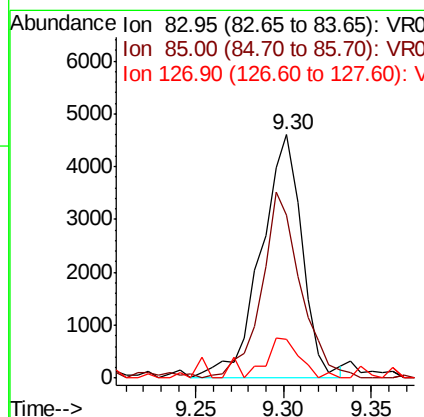
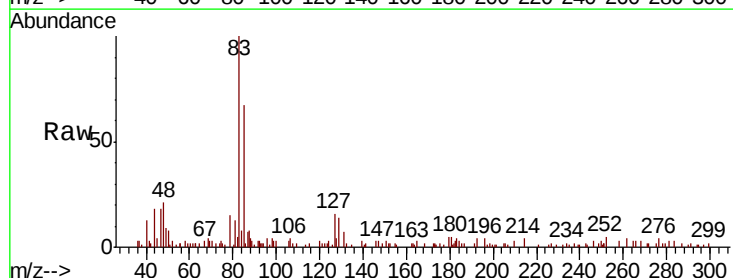
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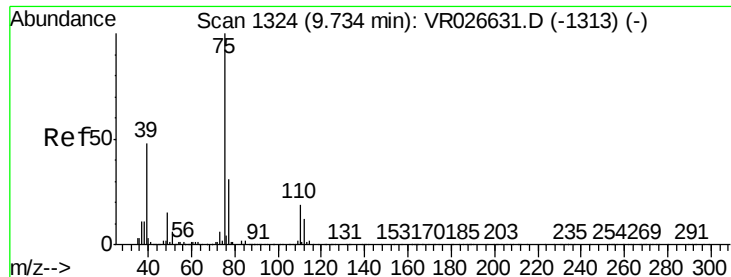
MMDadoda
 9/16/2019 12:45:05 AM



#38
 Bromodichloromethane
 Concen: 0.284 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 83 Resp: 7514
 Ion Ratio Lower Upper
 83 100
 85 66.9 44.0 81.8
 127 20.1 6.4 9.6#





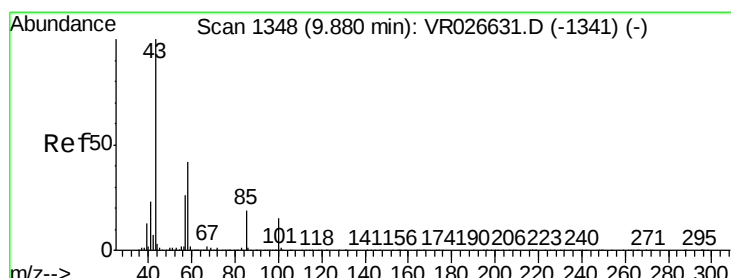
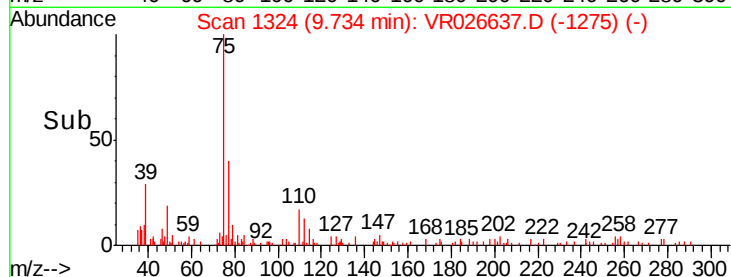
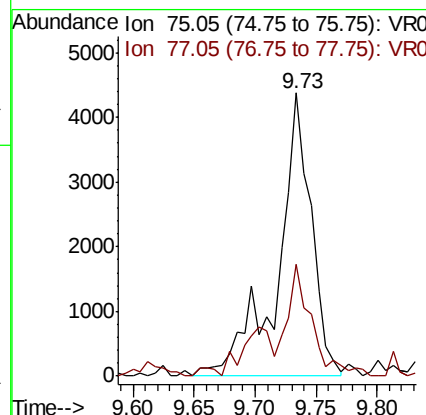
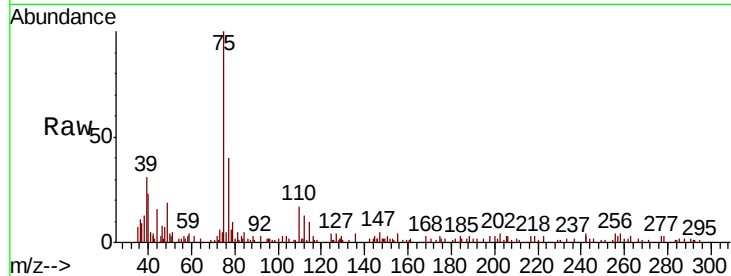
#39
 cis-1,3-Dichloropropene
 Concen: 0.319 ug/L m
 RT: 9.73 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleID :
 MDL03

Tgt Ion: 75 Resp: 8412
 Ion Ratio Lower Upper
 75 100
 77 39.5 21.8 40.6

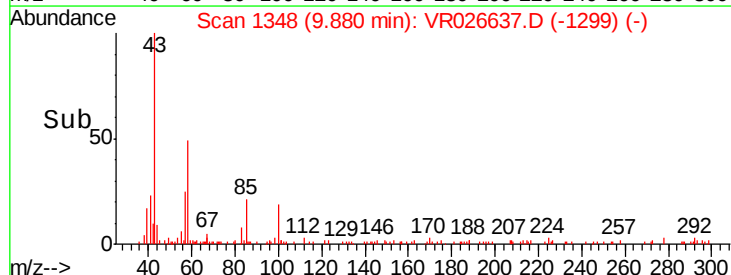
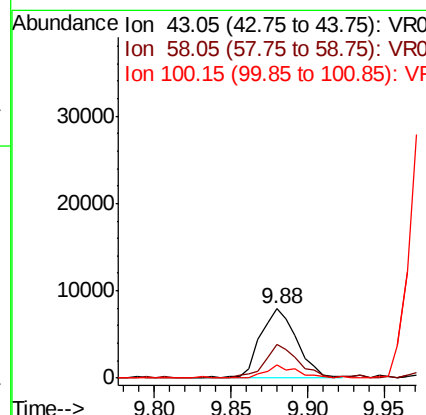
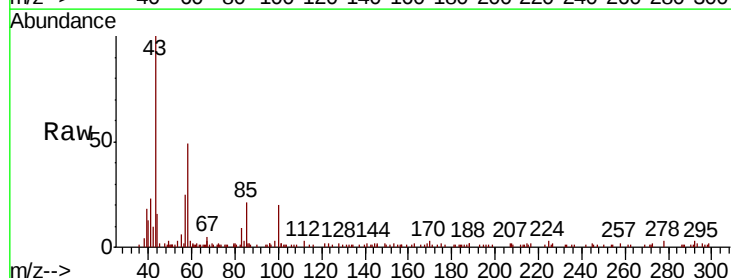
Manual Integrations
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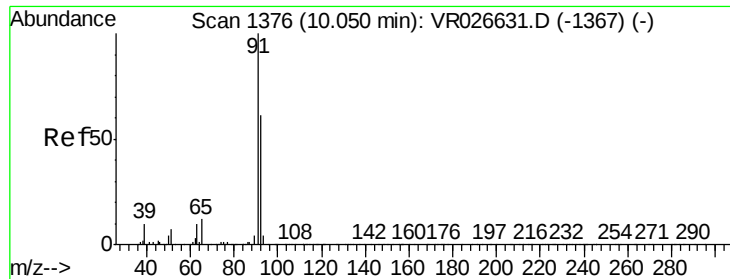
MMDadoda
 9/16/2019 12:45:05 AM



#40
 4-Methyl-2-pentanone
 Concen: 2.137 ug/L
 RT: 9.88 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 43 Resp: 13304
 Ion Ratio Lower Upper
 43 100
 58 45.0 32.6 48.8
 100 0.0 11.7 17.5#





#42

Toluene

Concen: 0.310 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion: 91 Resp: 33325

Ion Ratio Lower Upper

91 100

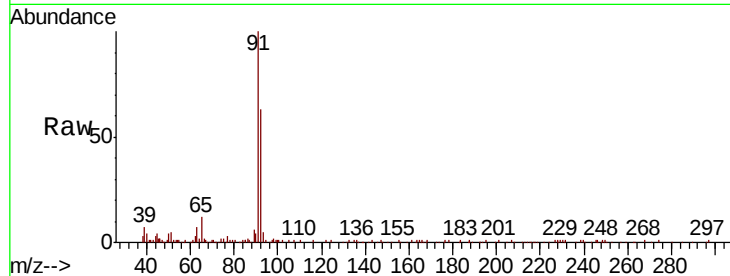
92 63.1 40.8 75.8

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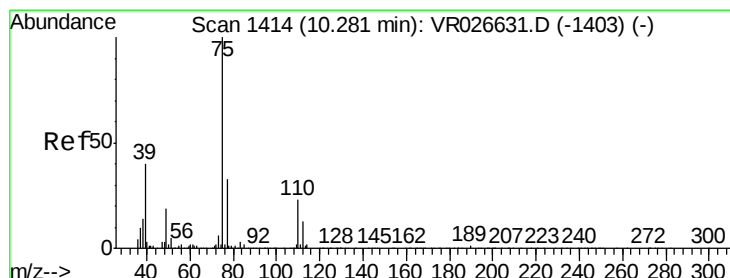
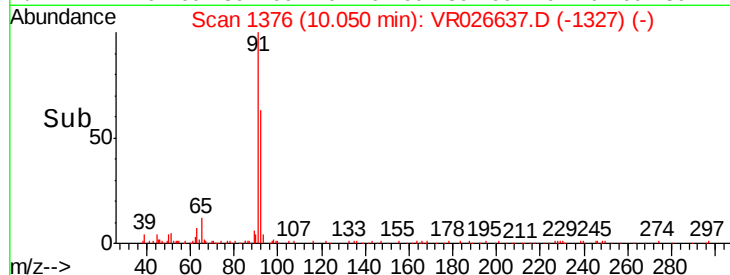
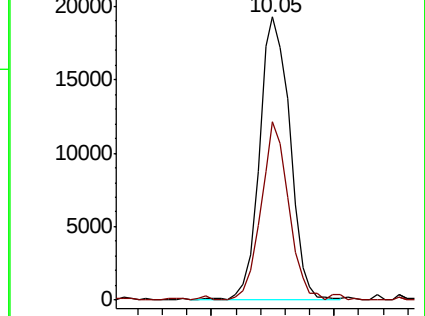
MMDadoda

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Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 0.215 ug/L m

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026637.D

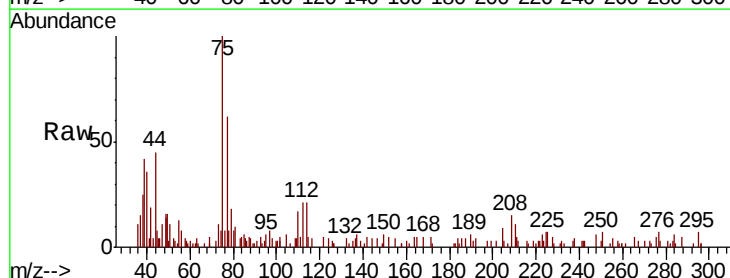
Acq: 13 Sep 2019 17:53

Tgt Ion: 75 Resp: 3642

Ion Ratio Lower Upper

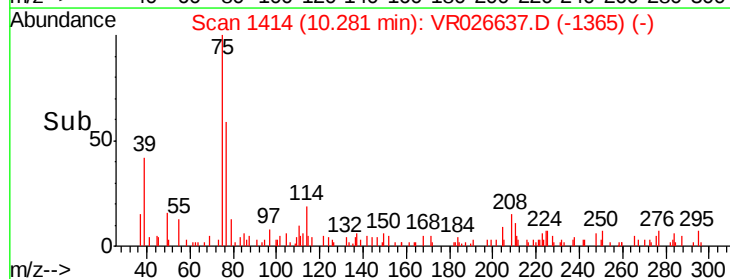
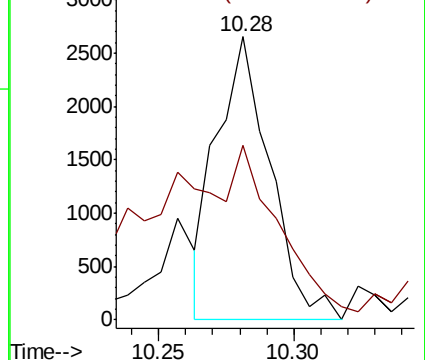
75 100

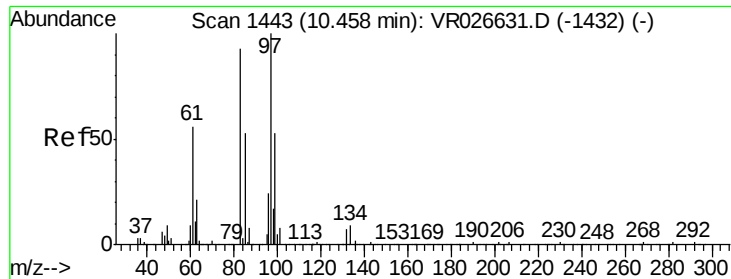
77 61.7 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0





#45

1,1,2-Trichloroethane

Concen: 0.350 ug/L

RT: 10.46 min Scan# 1444

Delta R.T. 0.01 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

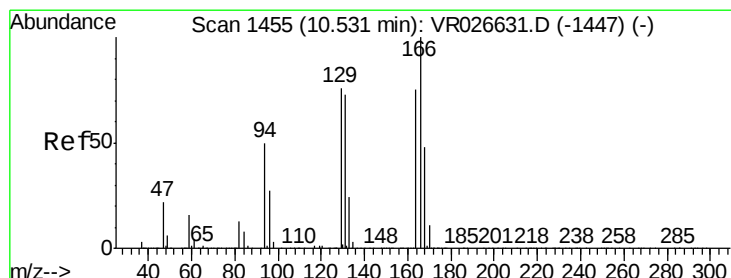
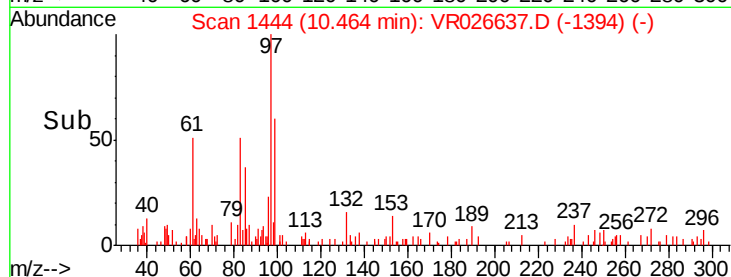
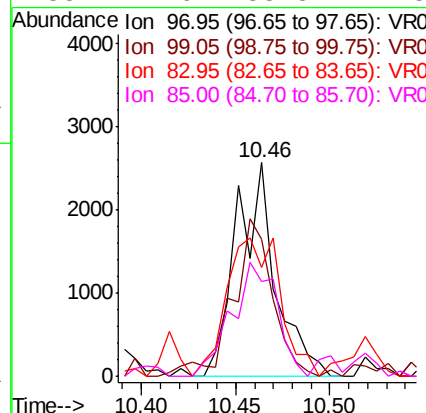
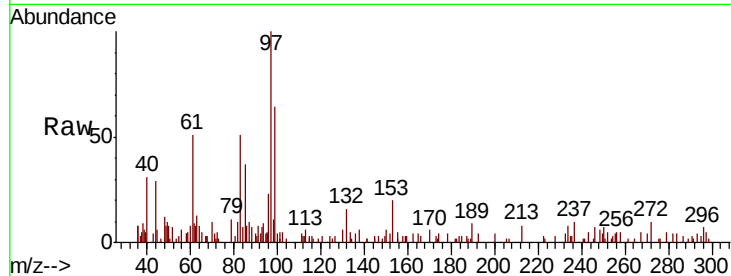
ClientSampled :

MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	3707		
99	64.0	45.6	84.6	
83	50.8	64.5	119.9	
85	44.6	38.5	71.5	

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#47

Tetrachloroethene

Concen: 0.278 ug/L

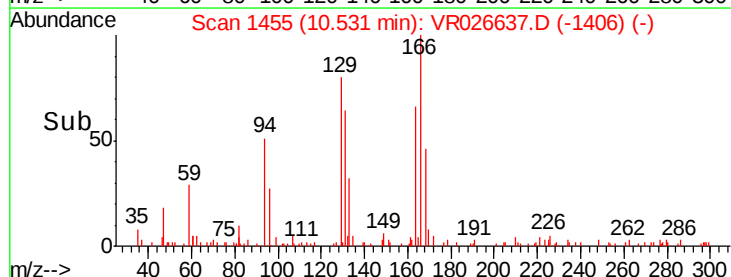
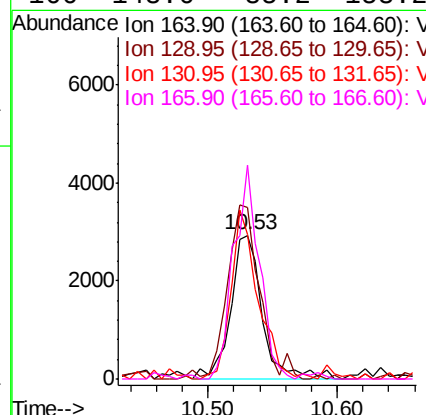
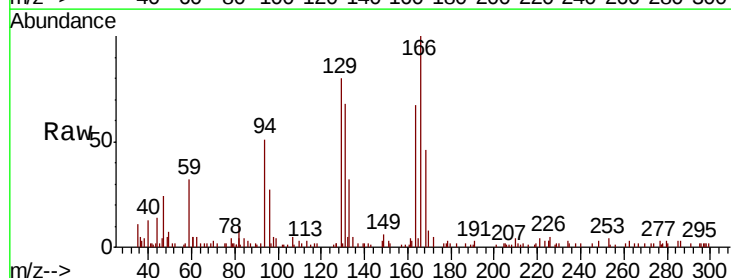
RT: 10.53 min Scan# 1455

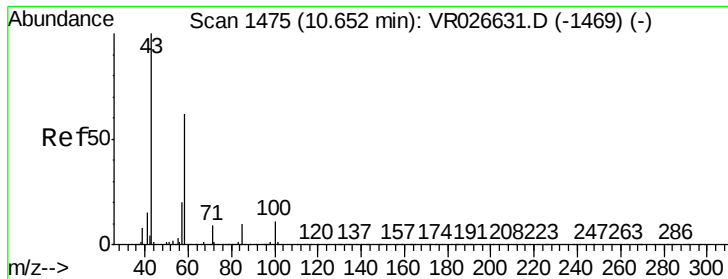
Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5028		
129	119.1	74.8	139.0	
131	101.1	69.1	128.3	
166	148.6	85.2	158.2	





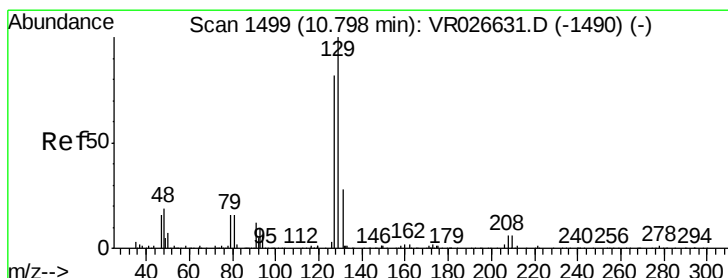
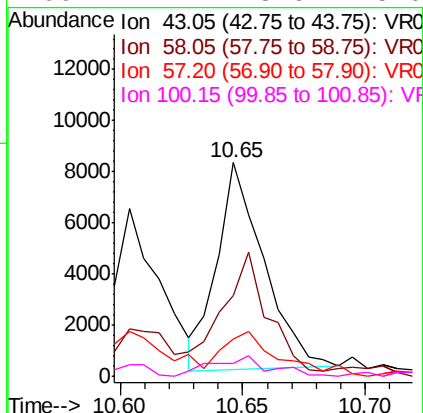
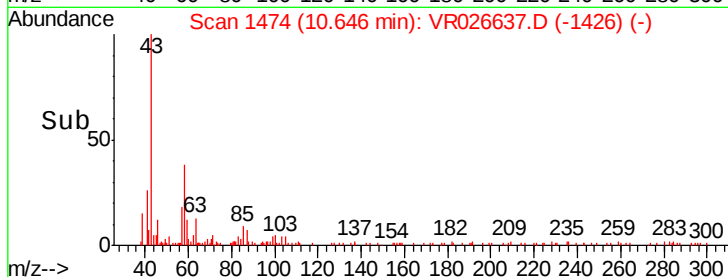
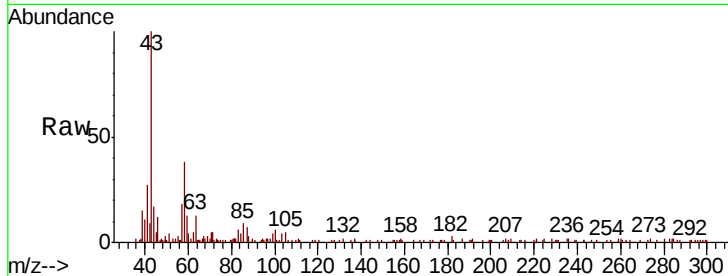
#48
2-Hexanone
Concen: 2.736 ug/L
RT: 10.65 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	62.6	46.4	69.6
57	26.3	16.7	25.1
100	11.7	8.6	13.0

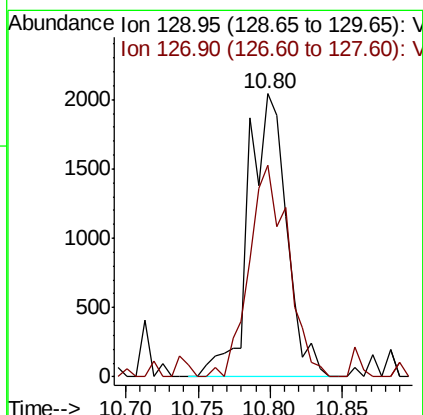
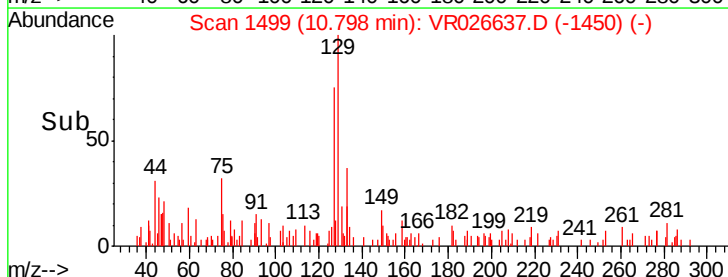
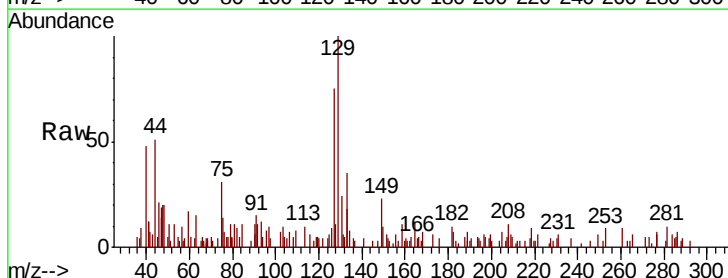
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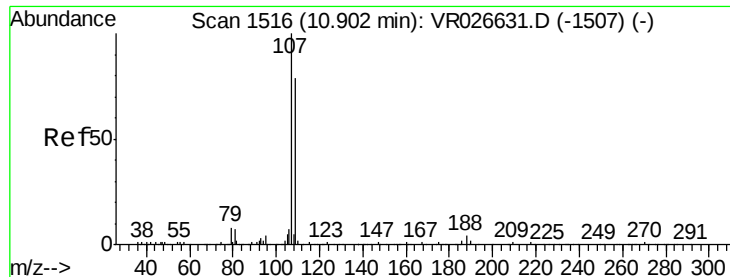
MMDadoda
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#49
Dibromochloromethane
Concen: 0.321 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.0	57.0	105.9





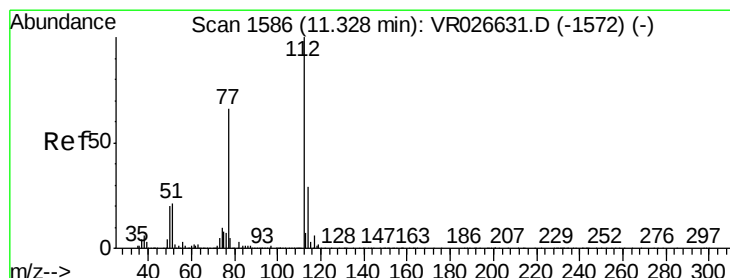
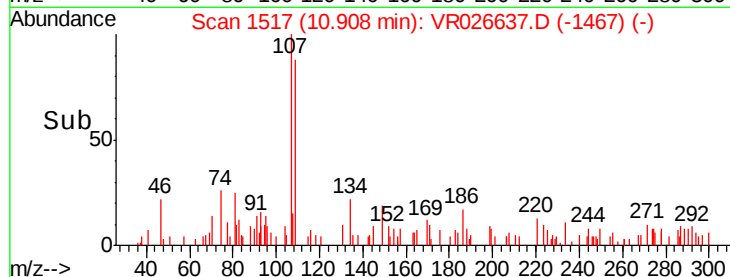
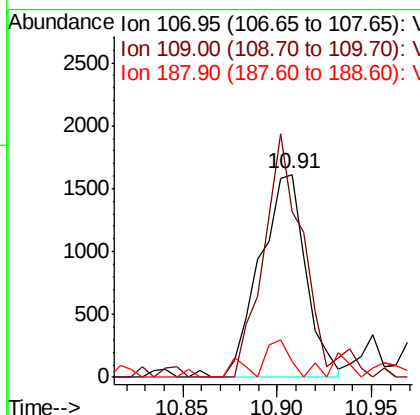
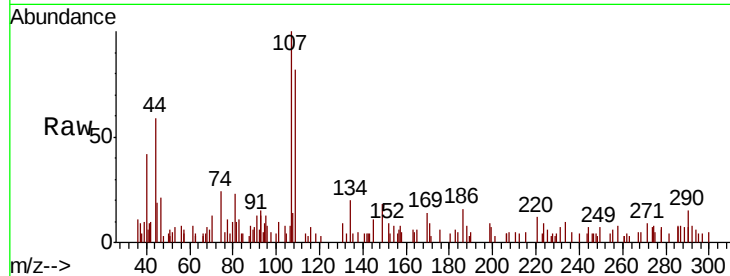
#50
1,2-Dibromoethane
Concen: 0.297 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	2730		
109	81.9	67.2	124.8	
188	7.8	1.8	2.8#	

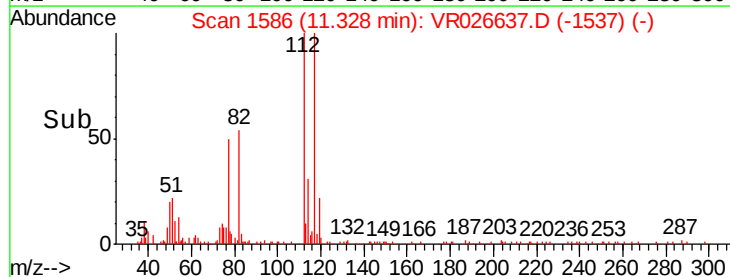
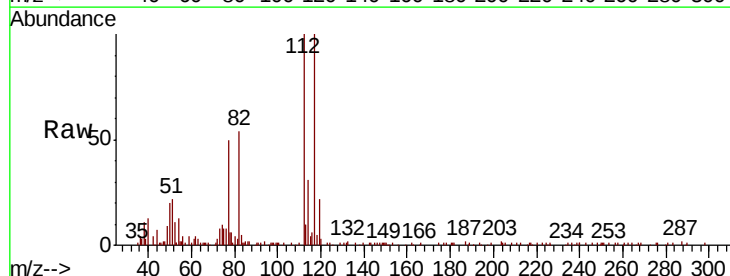
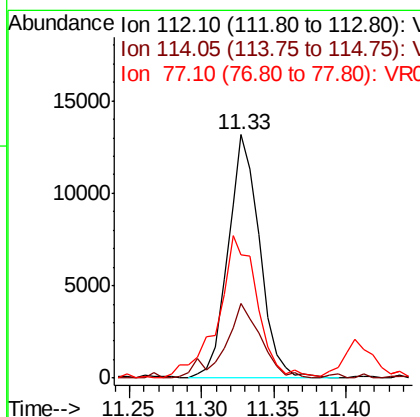
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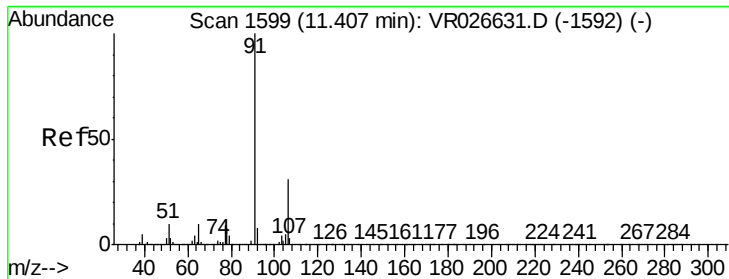
MMDadoda
9/16/2019 12:45:05 AM



#51
Chlorobenzene
Concen: 0.323 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	20162		
114	30.7	22.7	42.1	
77	50.4	54.0	81.0#	





#52

Ethylbenzene

Concen: 0.228 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion: 91 Resp: 27773

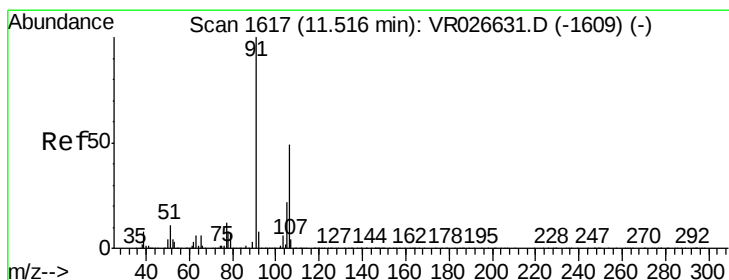
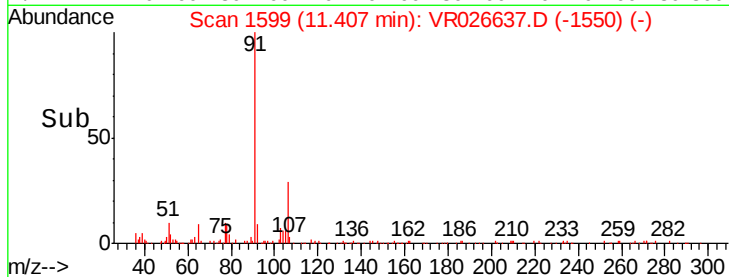
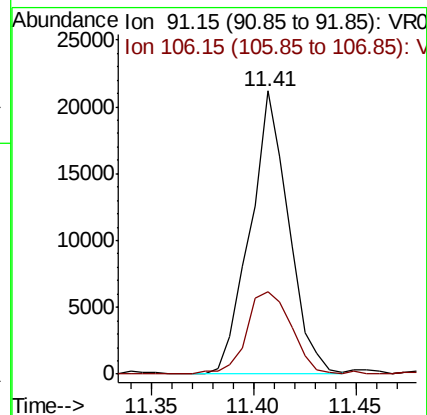
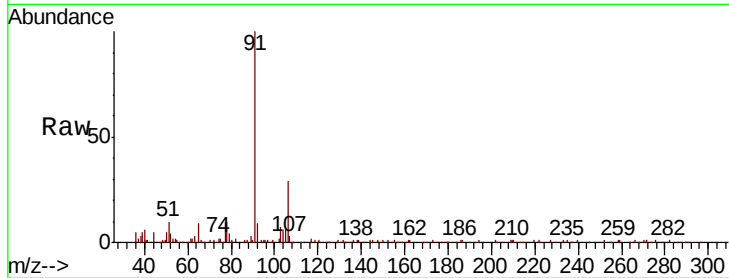
Ion Ratio Lower Upper

91 100

106 29.1 21.0 39.0

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#53

m,p-Xylene

Concen: 0.230 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VR026637.D

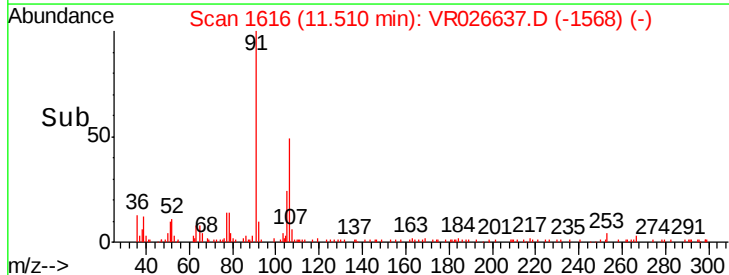
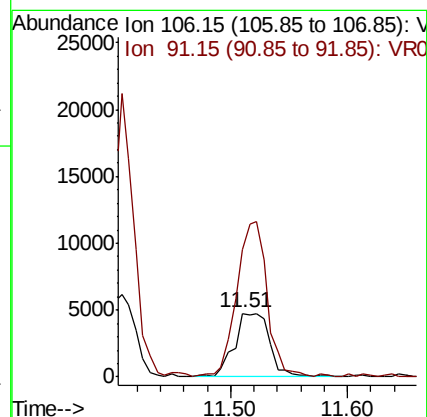
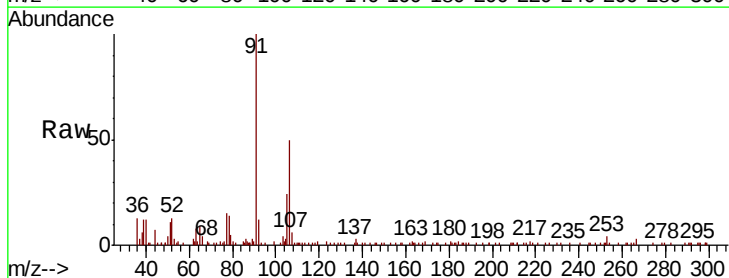
Acq: 13 Sep 2019 17:53

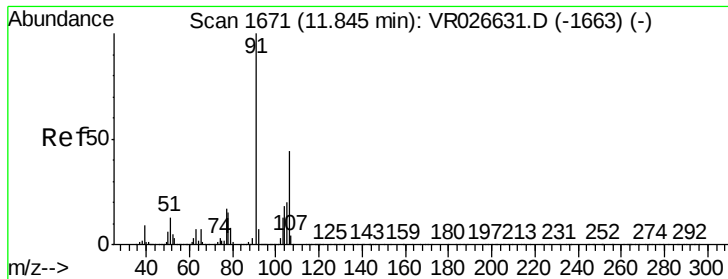
Tgt Ion: 106 Resp: 10038

Ion Ratio Lower Upper

106 100

91 200.5 146.5 272.1





#54

o-Xylene

Concen: 0.209 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

ClientSampleId :

MDL03

Tgt Ion:106 Resp: 9005

Ion Ratio Lower Upper

106 100

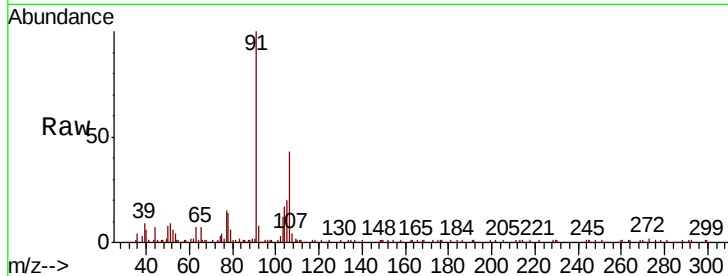
91 232.6 154.3 286.5

Manual Integrations

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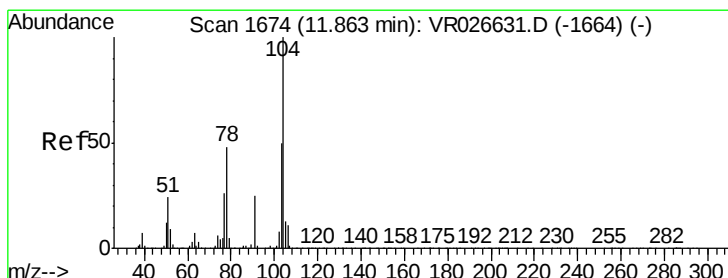
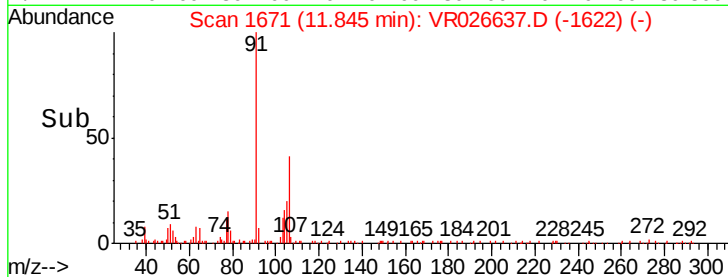
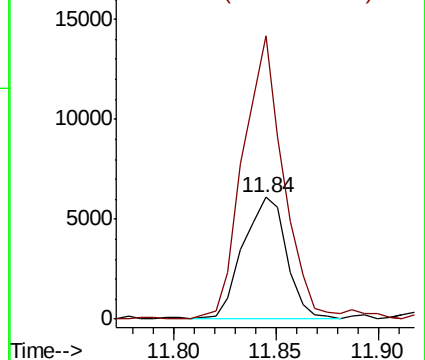
MMDadoda

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



#55

Styrene

Concen: 0.201 ug/L

RT: 11.86 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VR026637.D

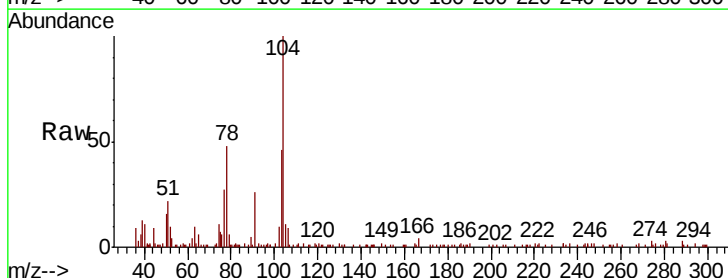
Acq: 13 Sep 2019 17:53

Tgt Ion:104 Resp: 12434

Ion Ratio Lower Upper

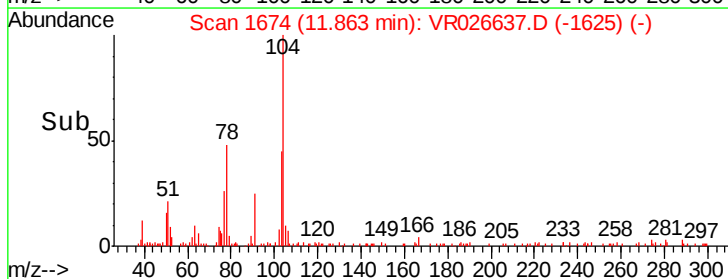
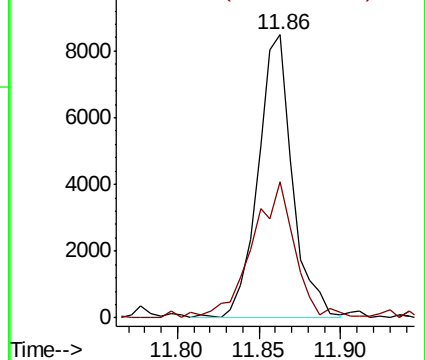
104 100

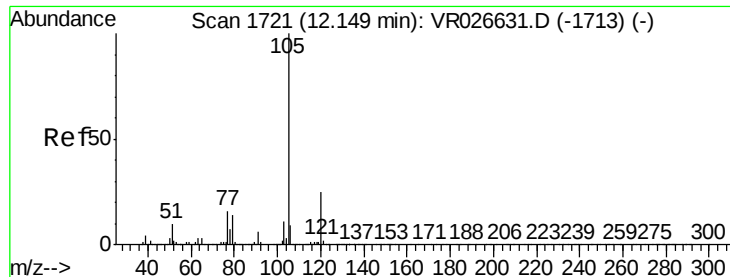
78 48.2 32.5 60.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0





#56

Isopropylbenzene

Concen: 0.192 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

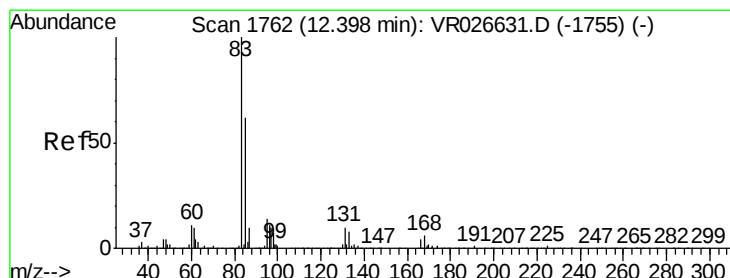
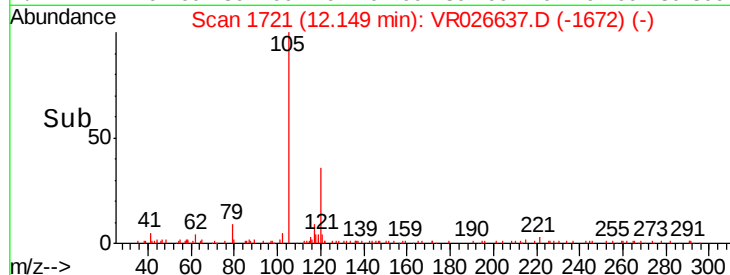
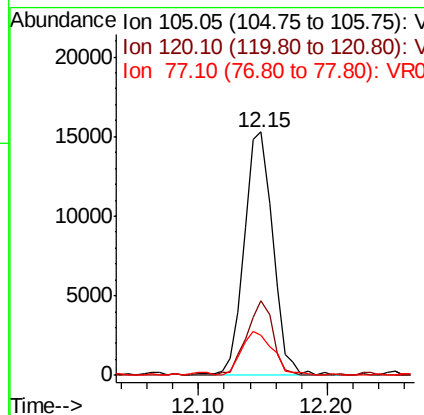
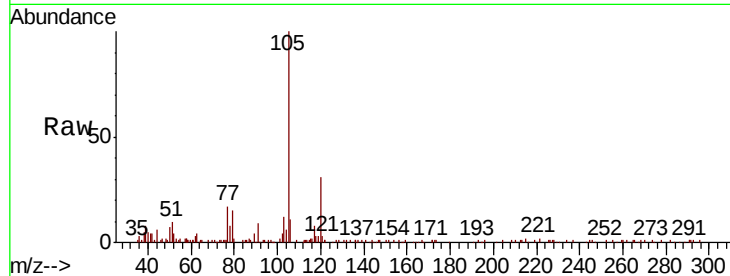
ClientSampleId :

MDL03

Tgt Ion:	105	Resp:	23388
Ion Ratio	Lower	Upper	
105	100		
120	28.1	20.7	31.1
77	20.1	13.3	19.9#

Manual Integrations
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#58

1,1,2,2-Tetrachloroethane

Concen: 0.328 ug/L

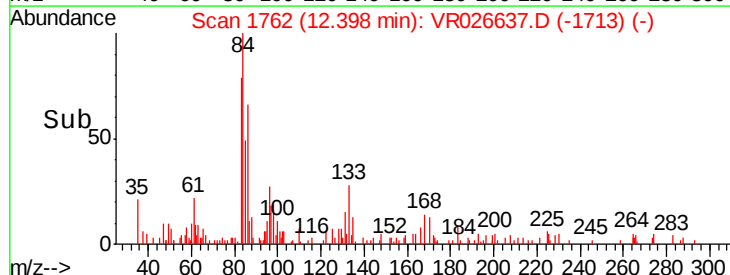
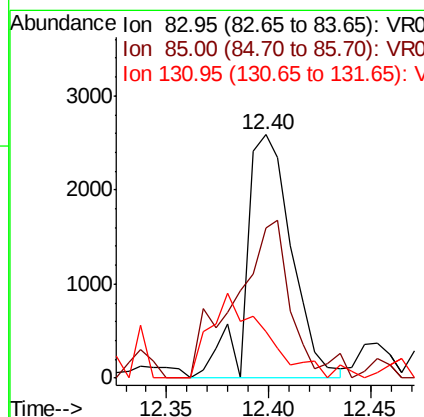
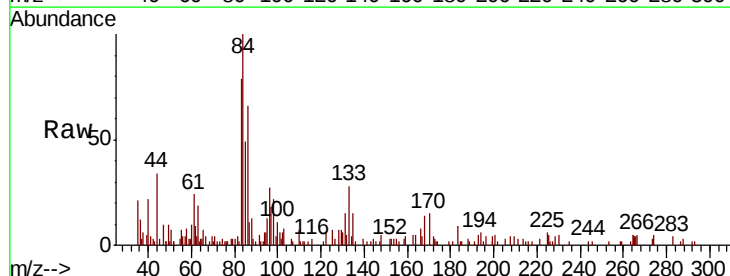
RT: 12.40 min Scan# 1762

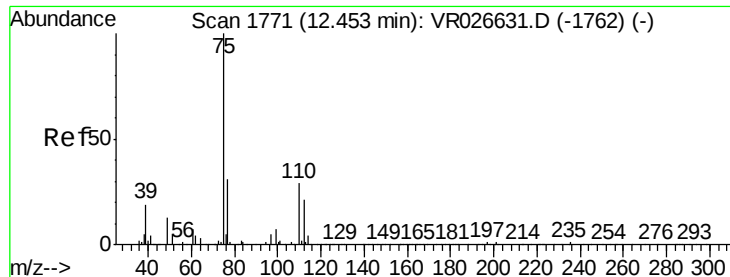
Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Tgt Ion:	83	Resp:	4021
Ion Ratio	Lower	Upper	
83	100		
85	61.8	46.1	85.7
131	19.2	6.8	10.2#





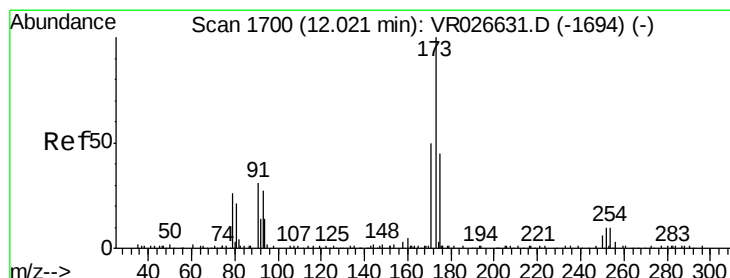
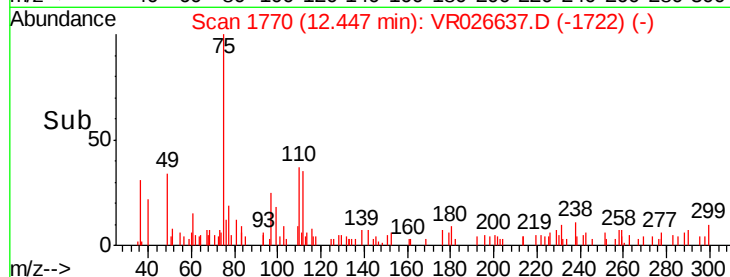
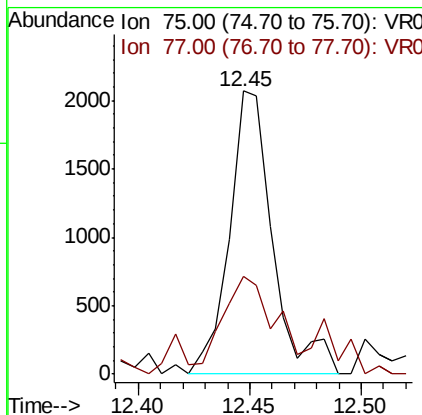
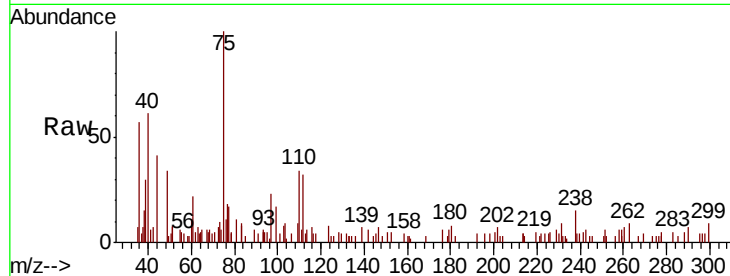
#59
 1,2,3-Trichloropropane
 Concen: 0.312 ug/L
 RT: 12.45 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL03

Tgt Ion: 75 Resp: 2809
 Ion Ratio Lower Upper
 75 100
 77 44.2 25.8 38.6#

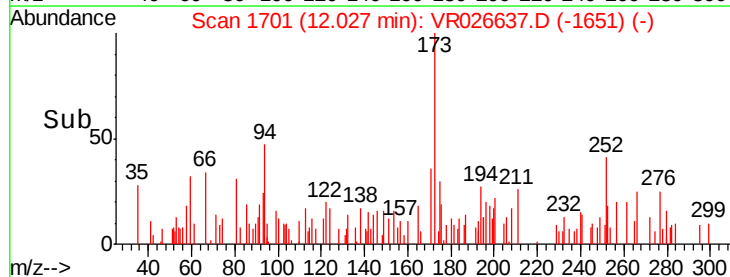
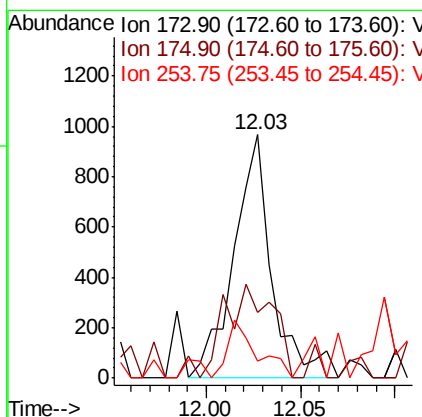
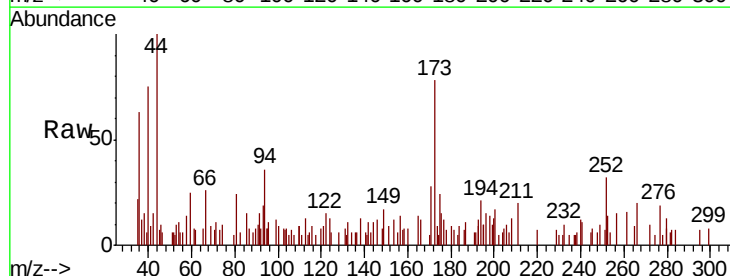
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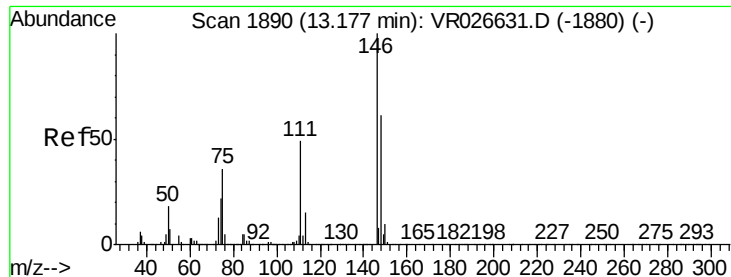
MMDadoda
 9/16/2019 12:45:05 AM



#61
 Bromoform
 Concen: 0.287 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion: 173 Resp: 1353
 Ion Ratio Lower Upper
 173 100
 175 50.8 40.2 60.2
 254 18.3 8.7 13.1#





#62

1,3-Dichlorobenzene

Concen: 0.276 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Instrument :

MSVOA_R

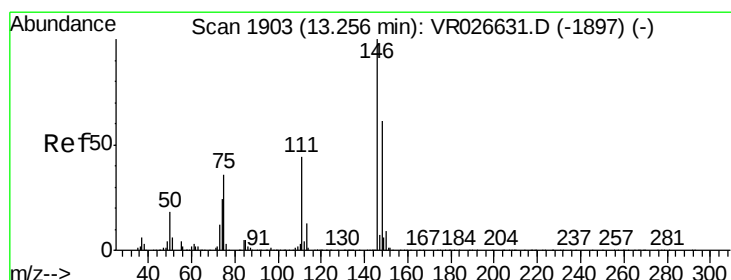
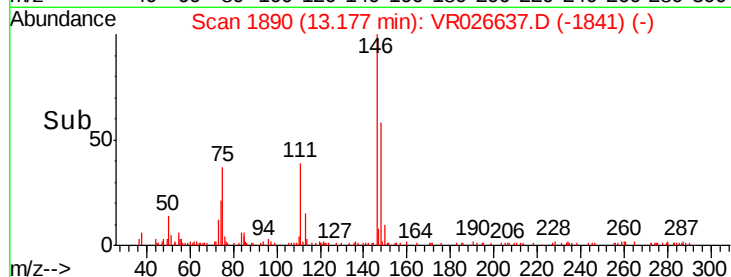
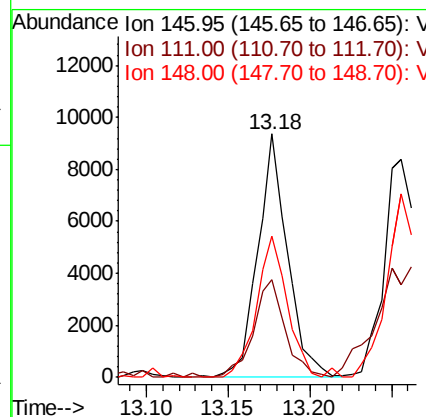
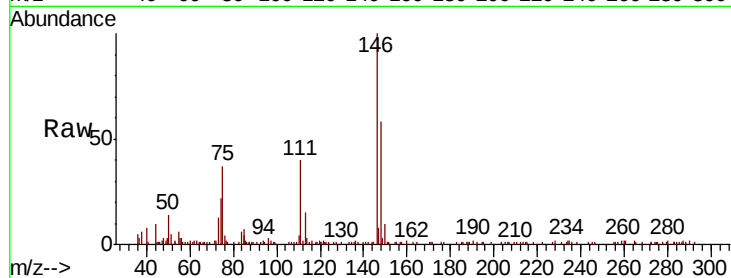
ClientSampleId :

MDL03

Tgt Ion:	146	Resp:	11876
Ion Ratio	Lower	Upper	
146	100		
111	40.2	29.5	54.9
148	58.2	42.8	79.4

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#63

1,4-Dichlorobenzene

Concen: 0.301 ug/L

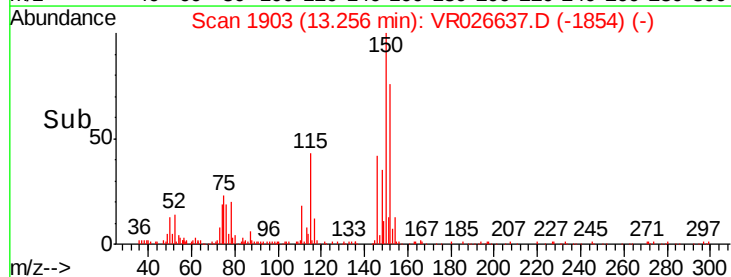
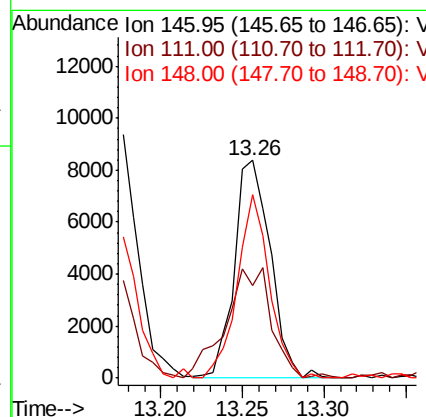
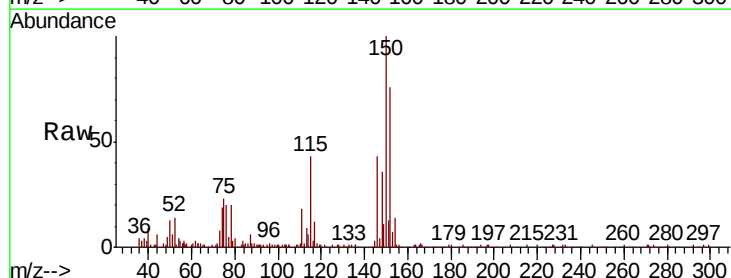
RT: 13.26 min Scan# 1903

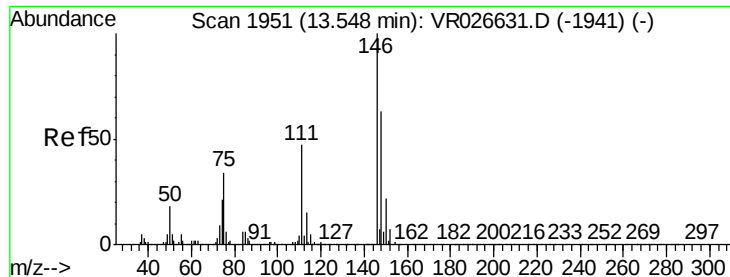
Delta R.T. 0.00 min

Lab File: VR026637.D

Acq: 13 Sep 2019 17:53

Tgt Ion:	146	Resp:	12857
Ion Ratio	Lower	Upper	
146	100		
111	42.5	31.1	57.9
148	84.1	44.6	82.8#





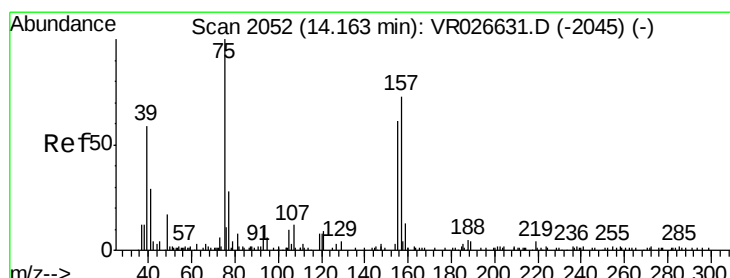
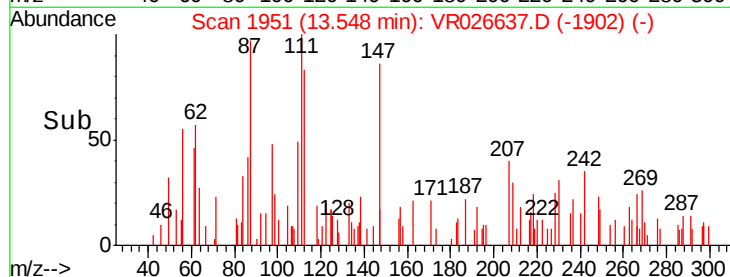
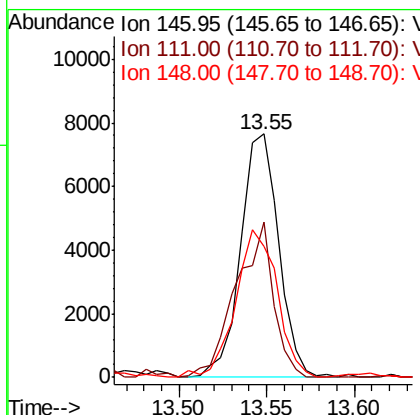
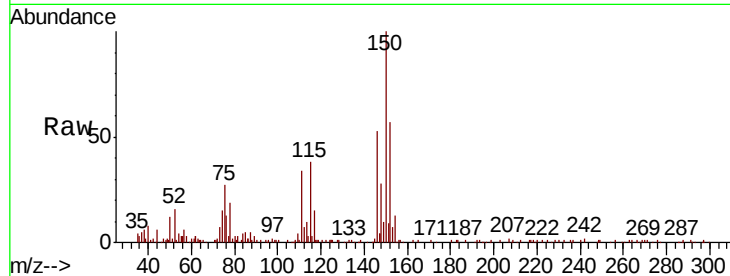
#65
1,2-Dichlorobenzene
Concen: 0.318 ug/L
RT: 13.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampled :
MDL03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	63.6	38.2	57.2#
148	53.7	50.1	75.1

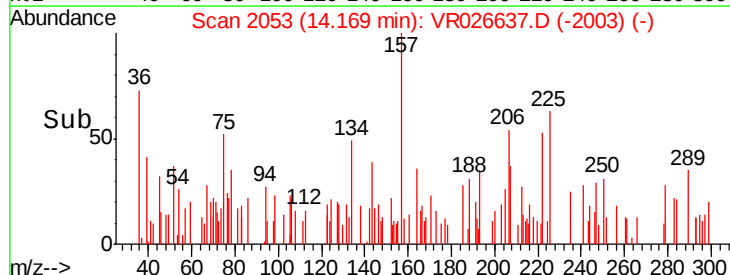
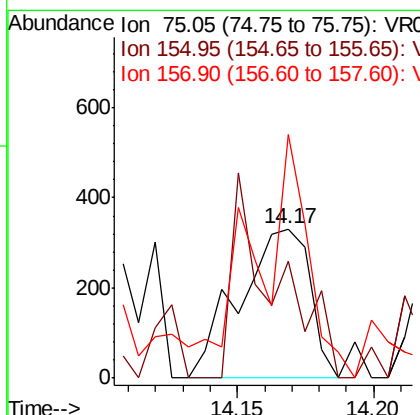
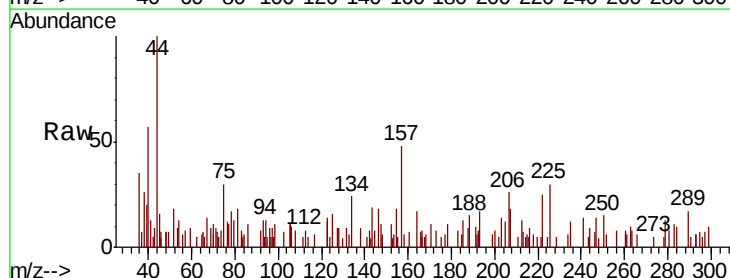
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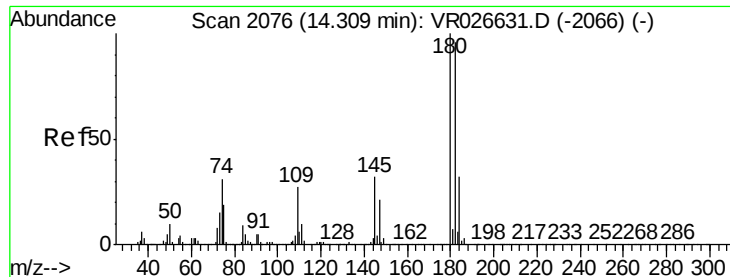
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#66
1,2-Dibromo-3-chloropropane
Concen: 0.328 ug/L
RT: 14.17 min Scan# 2053
Delta R.T. 0.01 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.9	49.4	74.2#
157	163.1	65.2	97.8#





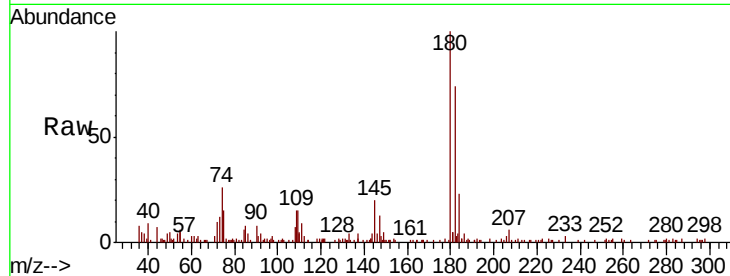
#67
 1,3,5-Trichlorobenzene
 Concen: 0.289 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Instrument :
 MSVOA_R
 ClientSampled :
 MDL03

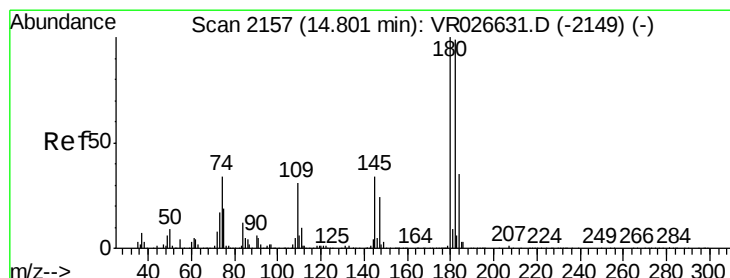
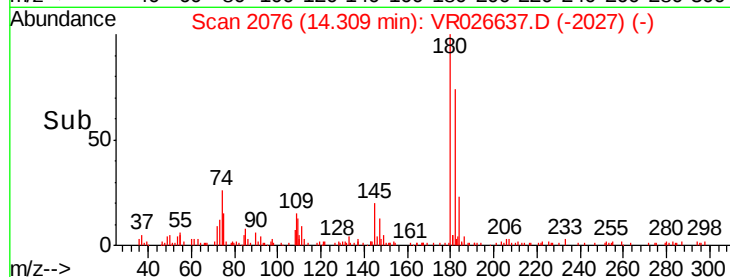
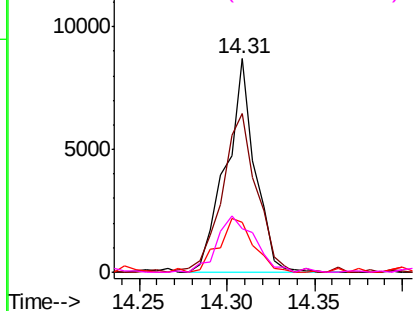
Tgt Ion:	180	Resp:	10060
Ion Ratio	Lower	Upper	
180	100		
182	88.6	76.3	114.5
184	31.0	24.4	36.6
145	34.6	25.1	37.7

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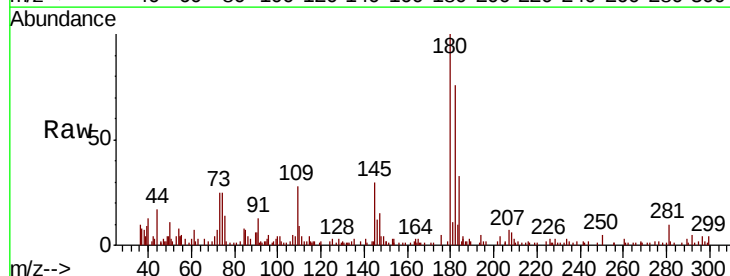


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

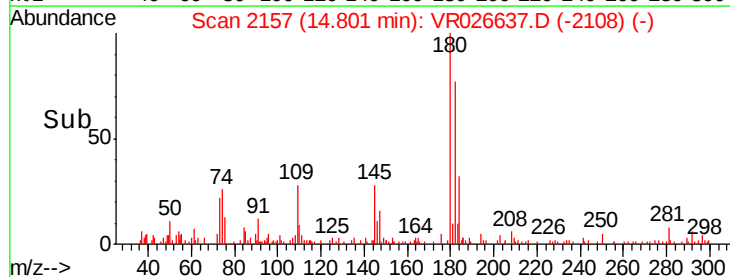
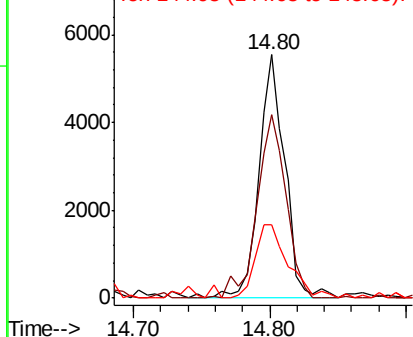


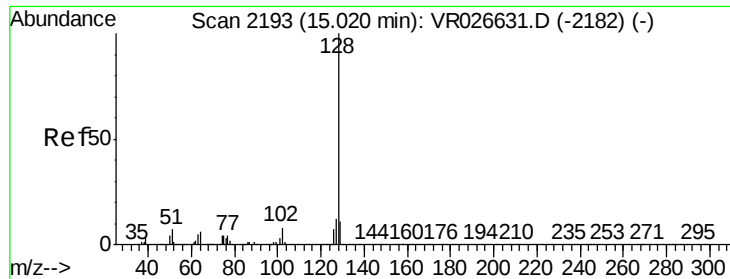
#68
 1,2,4-trichlorobenzene
 Concen: 0.302 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026637.D
 Acq: 13 Sep 2019 17:53

Tgt Ion:	180	Resp:	7418
Ion Ratio	Lower	Upper	
180	100		
182	84.2	75.1	112.7
145	38.1	25.9	38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





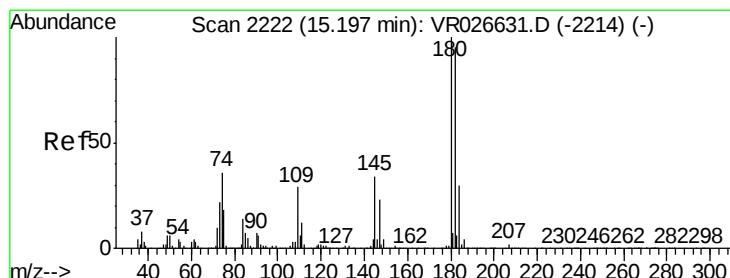
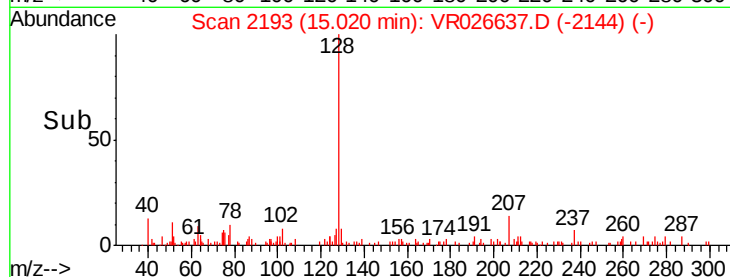
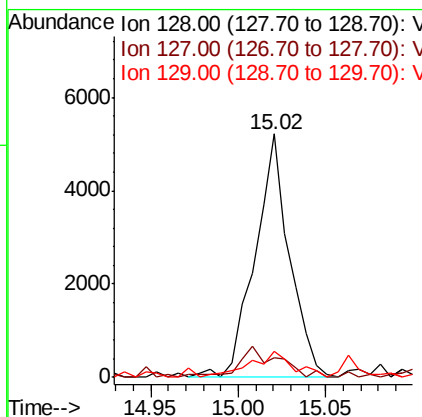
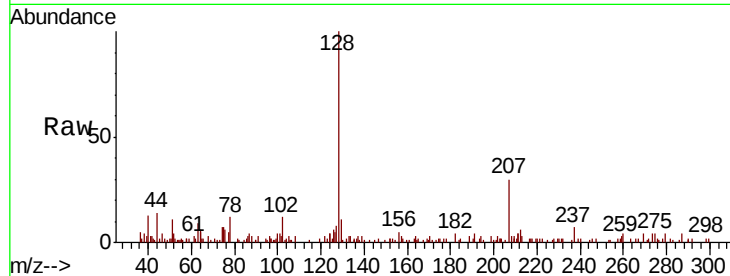
#69
Naphthalene
Concen: 0.219 ug/L
RT: 15.02 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Instrument :
MSVOA_R
ClientSampleId :
MDL03

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	7153		
127	14.7	10.8	16.2	
129	12.8	8.9	13.3	

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#70
1,2,3-Trichlorobenzene
Concen: 0.321 ug/L
RT: 15.20 min Scan# 2222
Delta R.T. 0.00 min
Lab File: VR026637.D
Acq: 13 Sep 2019 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6980		
182	97.4	76.2	114.4	
145	38.7	28.6	42.8	

