

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091719\
 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

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:33:44 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

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.85	85	10596	0.307	ug/L #	86
3) Chloromethane	2.06	50	4914m	0.273	ug/L	
5) Vinyl chloride	2.19	62	4520m	0.251	ug/L	
6) Bromomethane	2.54	94	3353	0.296	ug/L	75
8) Chloroethane	2.67	64	2917m	0.280	ug/L	
9) Trichlorofluoromethane	2.97	101	11064m	0.355	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.66	101	4867m	0.356	ug/L	
12) 1,1-Dichloroethene	3.63	96	4624m	0.344	ug/L	
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	1584m	0.276	ug/L	
16) Methylene chloride	4.43	84	10828m	0.387	ug/L	
17) Methyl tert-butyl Ether	4.93	73	5747m	0.198	ug/L	
18) trans-1,2-Dichloroethene	4.90	96	8125m	0.289	ug/L	
19) 1,1-Dichloroethane	5.73	63	14308	0.271	ug/L #	77
21) 2-Butanone	6.71	43	6543m	2.620	ug/L	
22) cis-1,2-Dichloroethene	6.70	96	6812	0.253	ug/L #	84

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Manual Integrations
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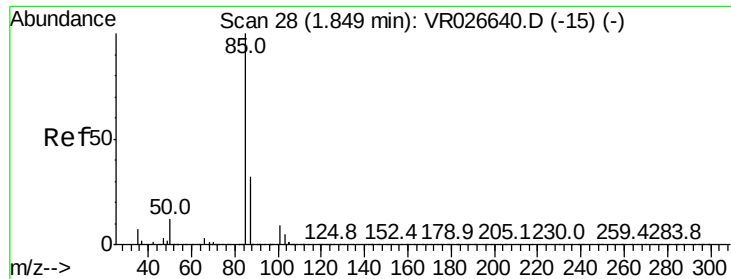
MMDadoda
 9/20/2019 12:41:55 AM

Quant Time: Sep 18 07:33:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

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
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	28791m	0.255	ug/L	
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
44) trans-1,3-Dichloropropene	10.28	75	3511m	0.226	ug/L	
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
59) 1,2,3-Trichloropropane	12.45	75	2181m	0.264	ug/L	
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	516m	0.313	ug/L	
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



#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

Tot Ion: 85 Resp: 10596

Ion Ratio Lower Upper

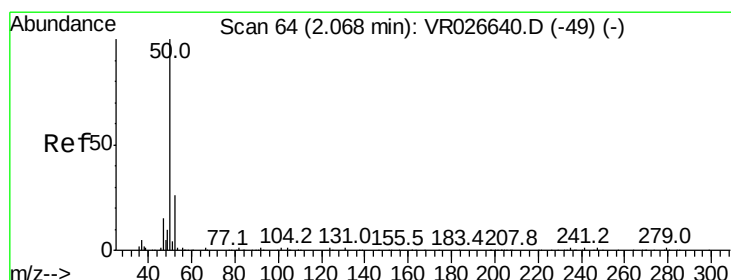
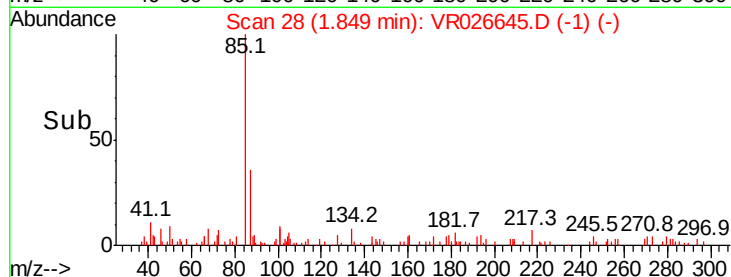
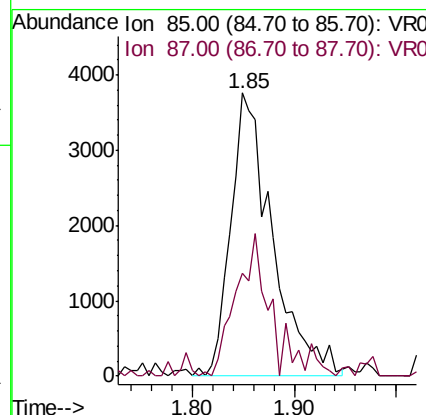
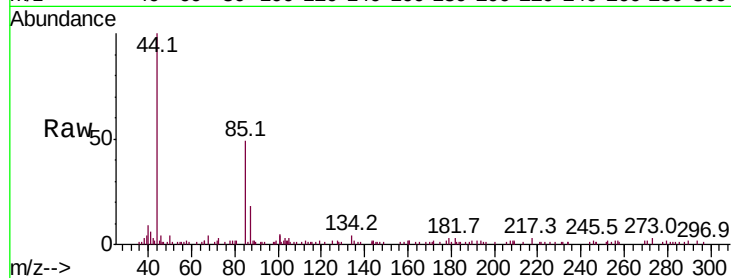
85 100

87 40.3 26.0 39.0#

Manual Integrations
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#3

Chloromethane

Concen: 0.273 ug/L m

RT: 2.06 min Scan# 63

Delta R.T. -0.01 min

Lab File: VR026645.D

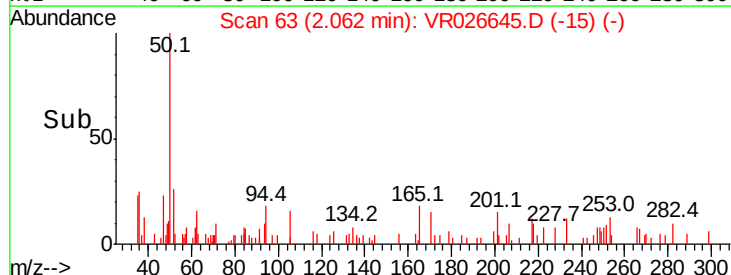
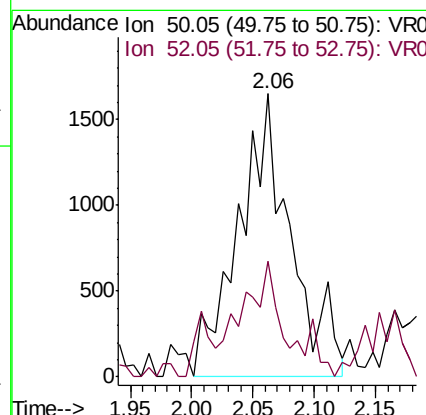
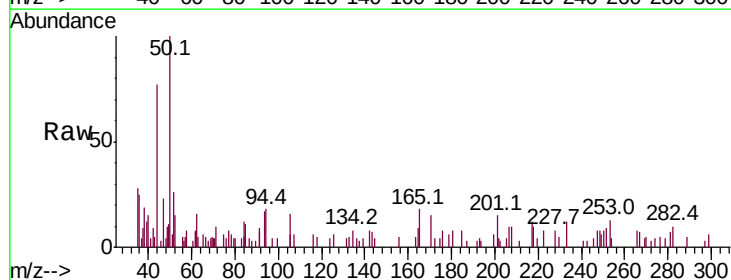
Acq: 17 Sep 2019 18:14

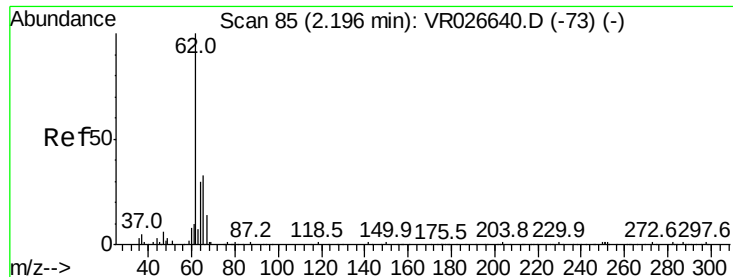
Tgt Ion: 50 Resp: 4914

Ion Ratio Lower Upper

50 100

52 26.1 21.7 40.3





#5

Vinyl chloride

Concen: 0.251 ug/L m

RT: 2.19 min Scan# 84

Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampled :

MDL05

Tot Ion: 62 Resp: 4520

Ion Ratio Lower Upper

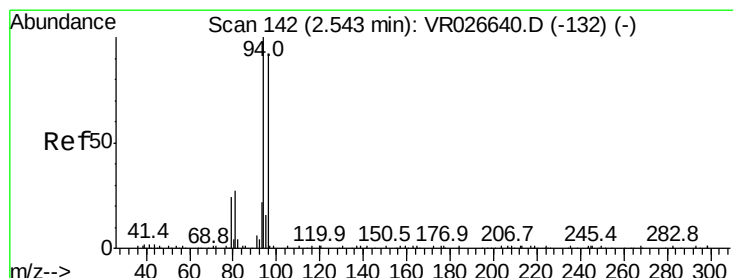
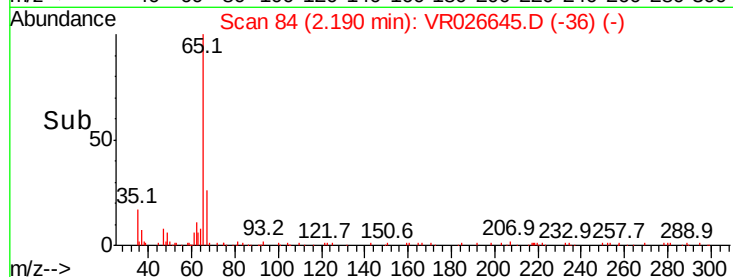
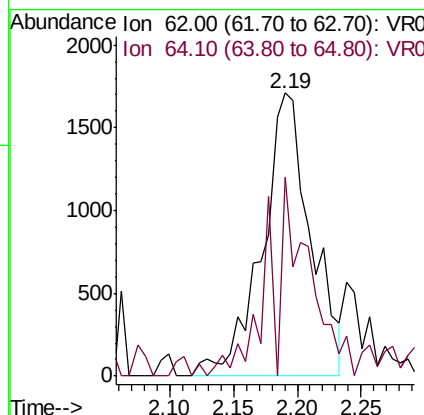
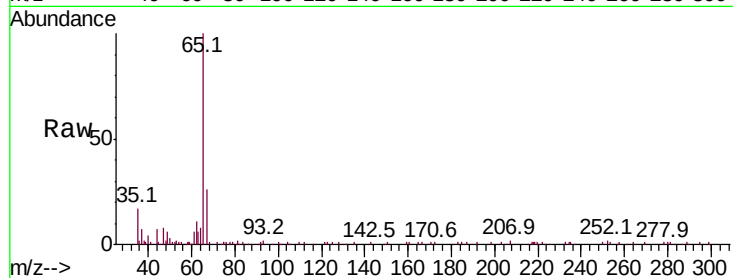
62 100

64 70.3 21.2 39.4#

Manual Integrations
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#6

Bromomethane

Concen: 0.296 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.01 min

Lab File: VR026645.D

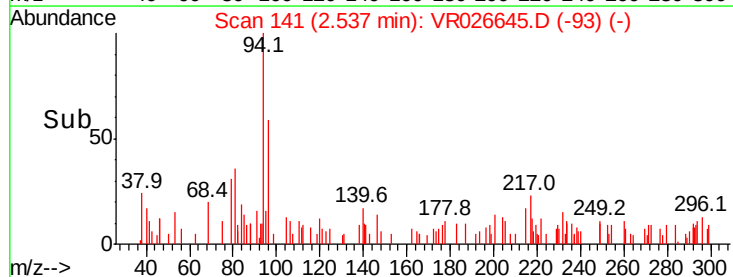
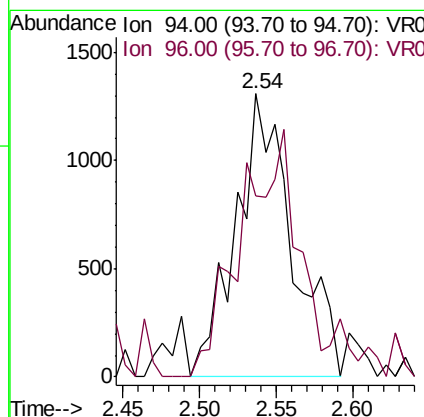
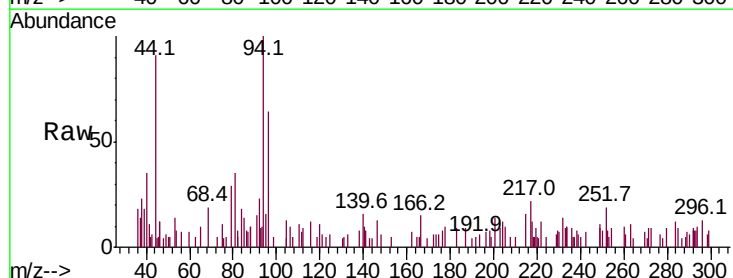
Acq: 17 Sep 2019 18:14

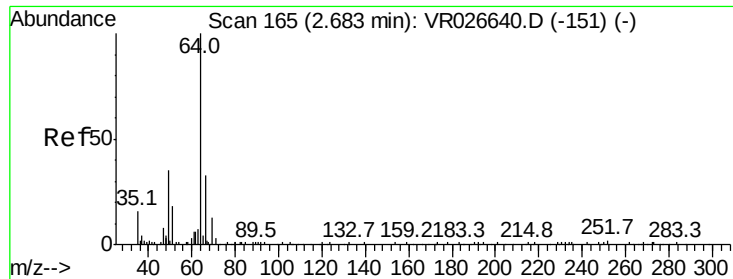
Tgt Ion: 94 Resp: 3353

Ion Ratio Lower Upper

94 100

96 64.1 61.0 113.4





#8

Chloroethane

Concen: 0.280 ug/L m

RT: 2.67 min Scan# 163

Delta R.T. -0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

Tot Ion: 64 Resp: 2917

Ion Ratio Lower Upper

64 100

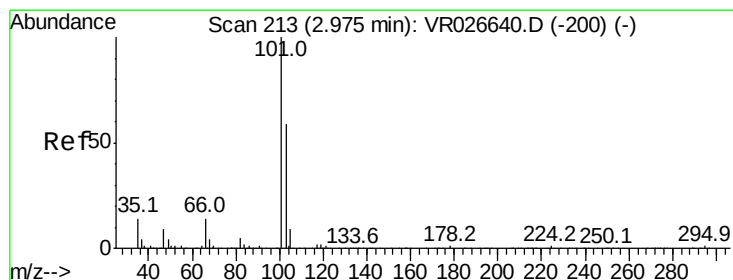
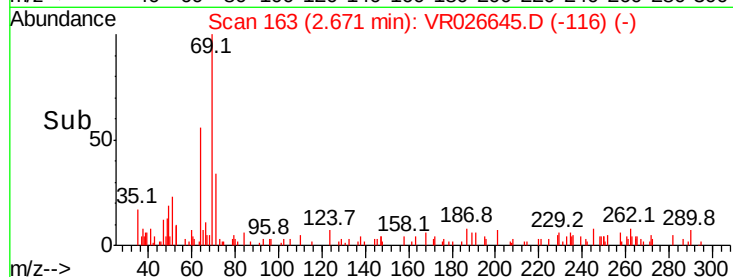
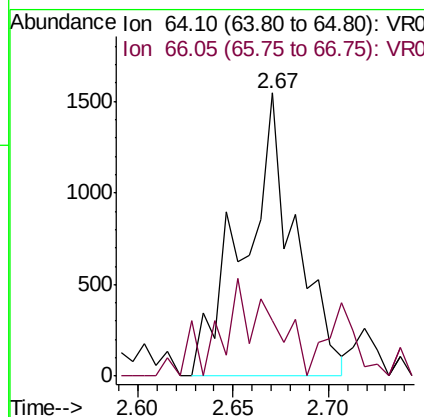
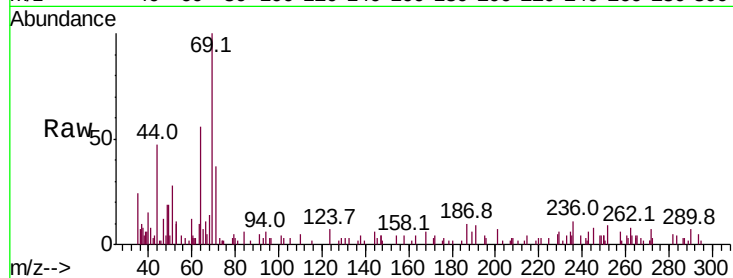
66 19.7 22.3 41.3#

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.355 ug/L m

RT: 2.97 min Scan# 213

Delta R.T. 0.00 min

Lab File: VR026645.D

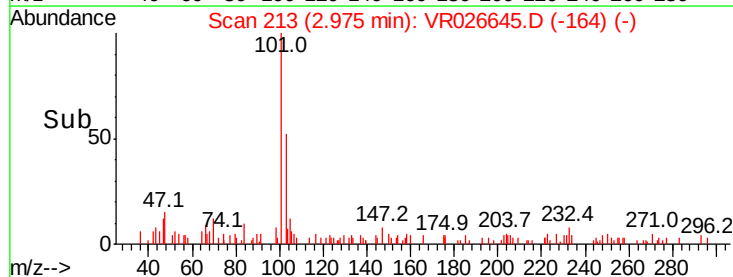
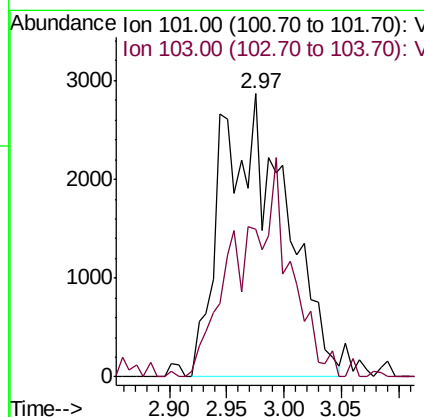
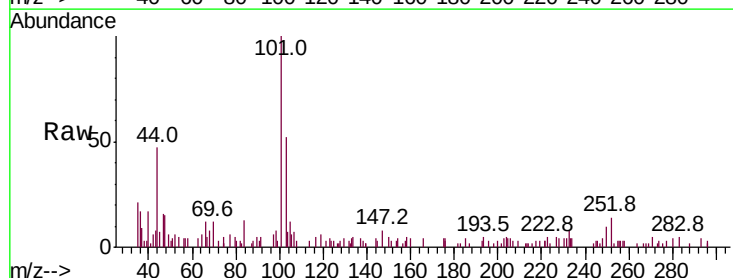
Acq: 17 Sep 2019 18:14

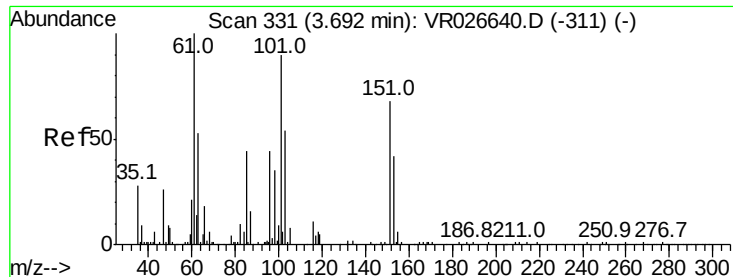
Tgt Ion:101 Resp: 11064

Ion Ratio Lower Upper

101 100

103 19.1 50.9 76.3#





#10

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

Concen: 0.356 ug/L m

RT: 3.66 min Scan# 325

Delta R.T. -0.04 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

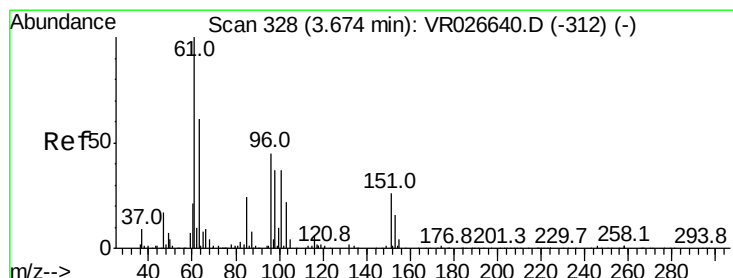
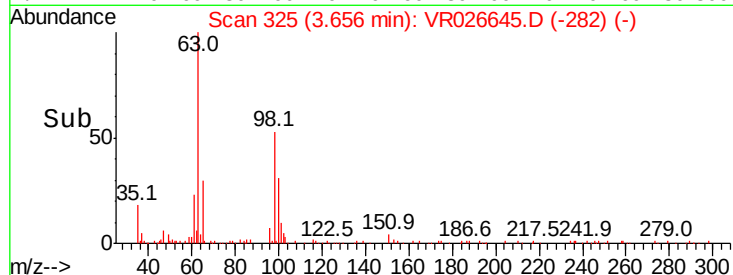
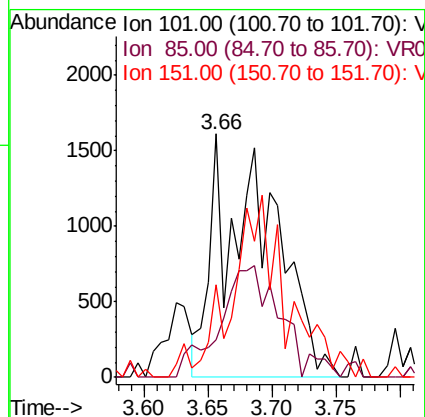
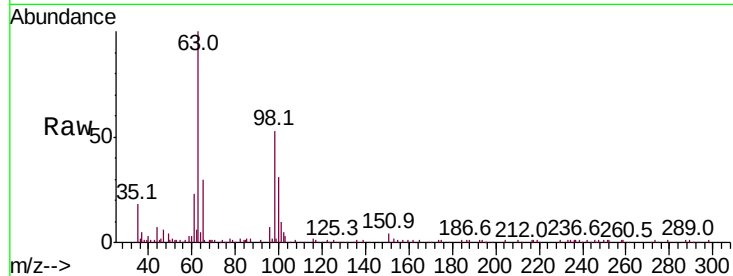
ClientSampled :

MDL05

Tot Ion:	101	Resp:	4867
Ion Ratio	Lower	Upper	
101	100		
85	49.6	39.7	59.5
151	61.5	58.4	87.6

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#12

1,1-Dichloroethene

Concen: 0.344 ug/L m

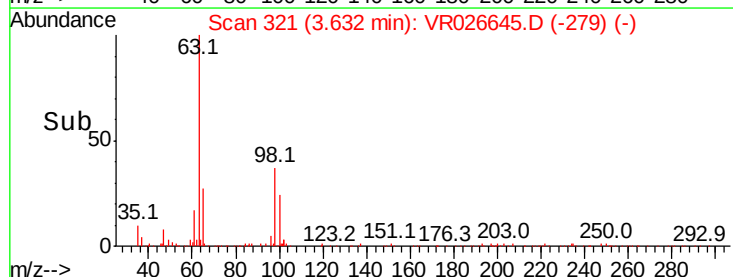
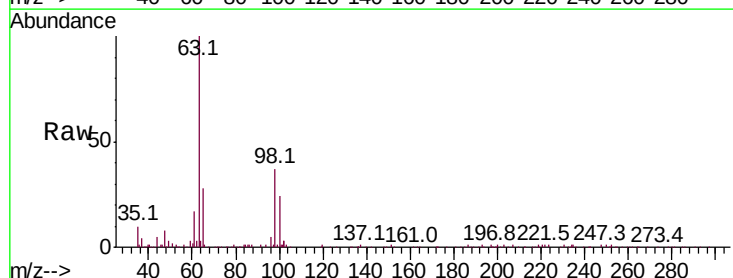
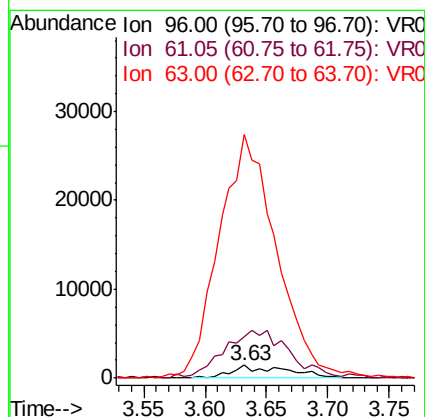
RT: 3.63 min Scan# 321

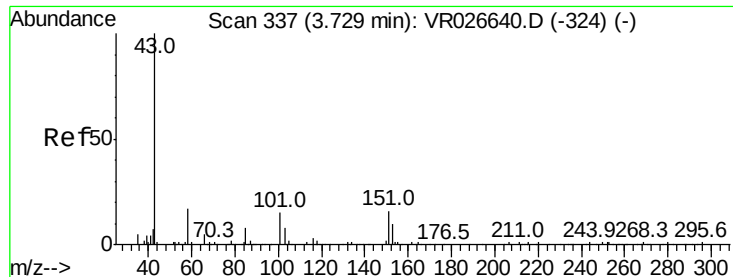
Delta R.T. -0.04 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Tgt Ion:	96	Resp:	4624
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

Tot Ion: 43 Resp: 4442

Ion Ratio Lower Upper

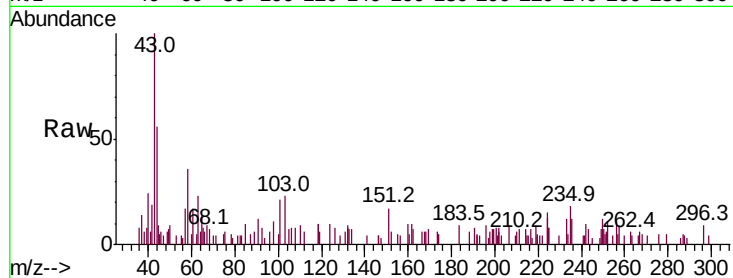
43 100

58 24.8 0.0 41.8

Manual Integrations
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Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

3.73

1500

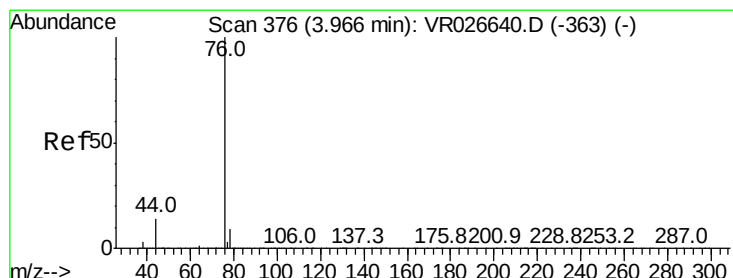
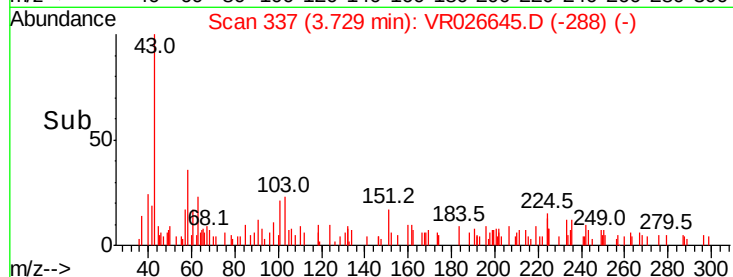
1000

500

0

Time-->

3.65 3.70 3.75 3.80



#14

Carbon disulfide

Concen: 0.226 ug/L

RT: 3.97 min Scan# 377

Delta R.T. 0.01 min

Lab File: VR026645.D

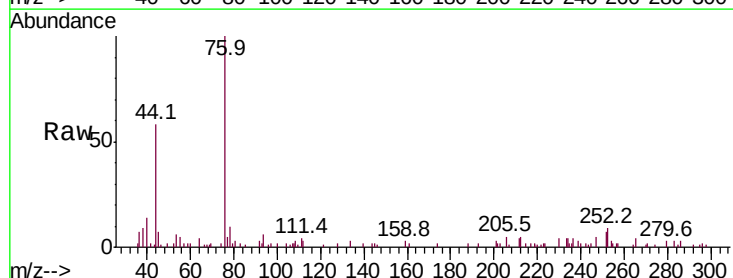
Acq: 17 Sep 2019 18:14

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

3.97

5000

4000

3000

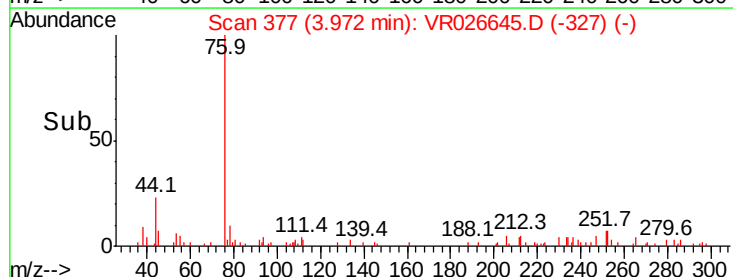
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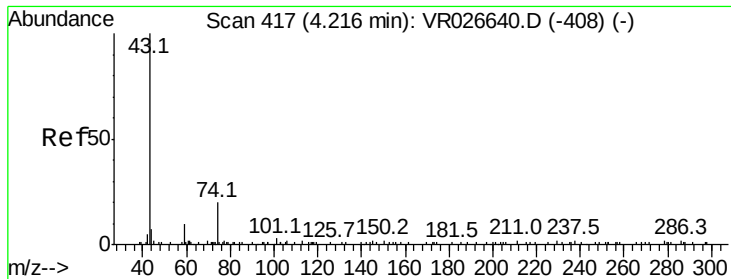
1000

0

Time-->

3.80 3.90 4.00 4.10





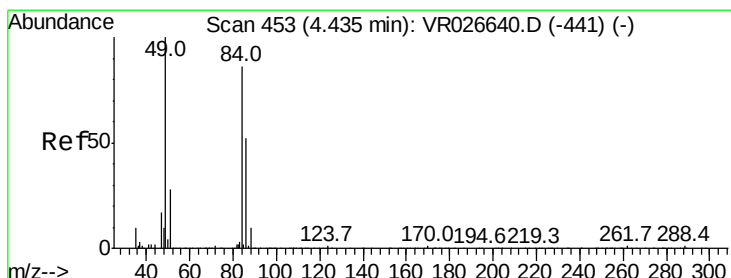
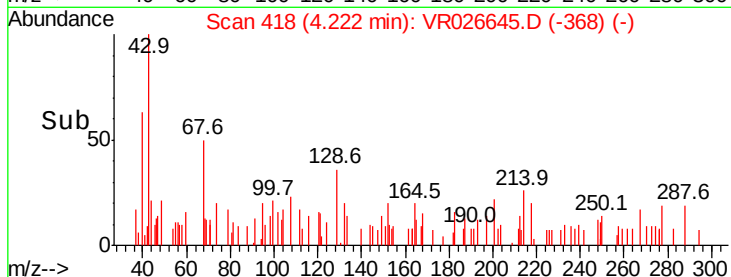
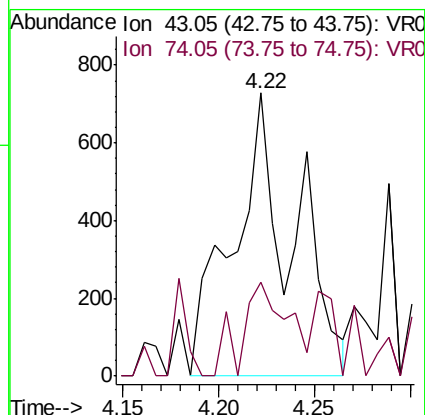
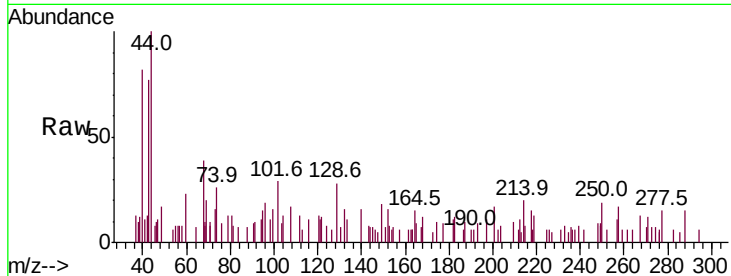
#15
Methyl Acetate
Concen: 0.276 ug/L m
RT: 4.22 min Scan# 418
Delta R.T. 0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

Tot Ion: 43 Resp: 1584
Ion Ratio Lower Upper
43 100
74 26.2 17.5 26.3

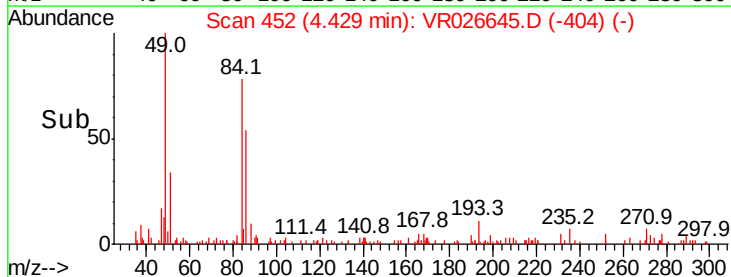
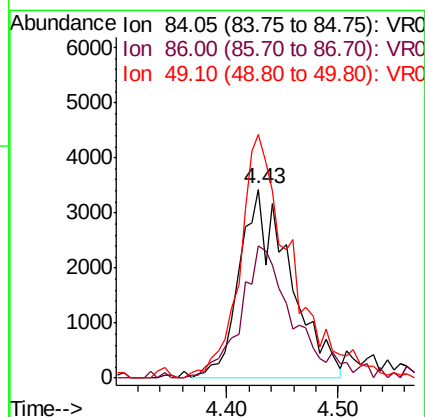
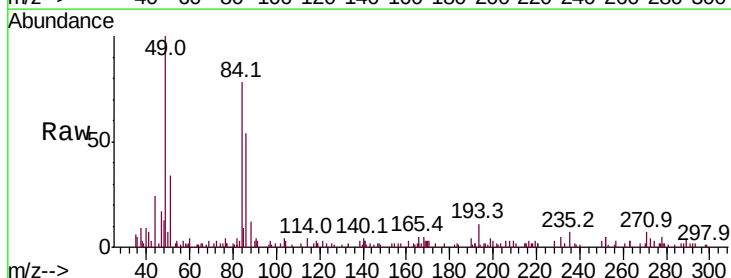
Manual Integrations
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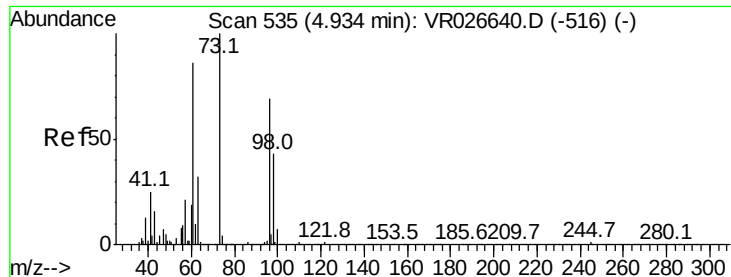
MMDadoda
9/20/2019 12:41:55 AM



#16
Methylene chloride
Concen: 0.387 ug/L m
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: 10828
Ion Ratio Lower Upper
84 100
86 69.9 44.2 82.0
49 128.9 82.3 152.9





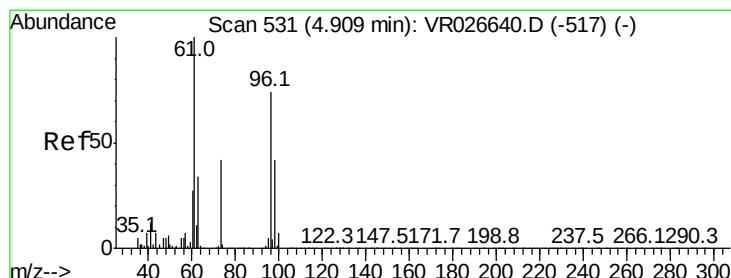
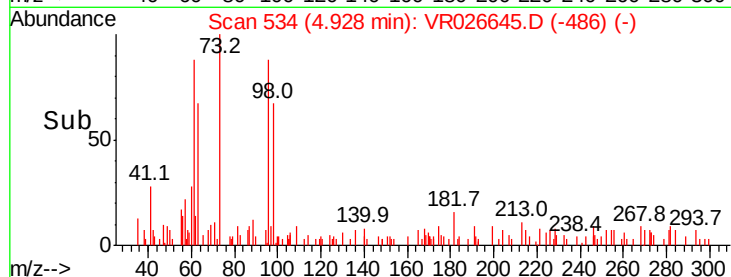
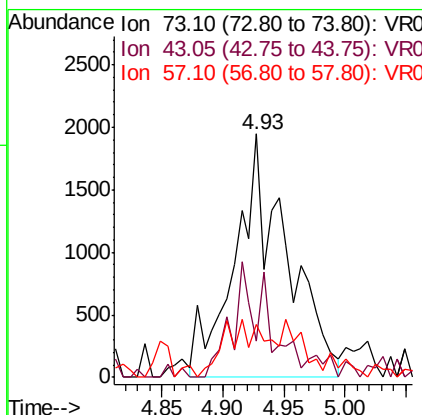
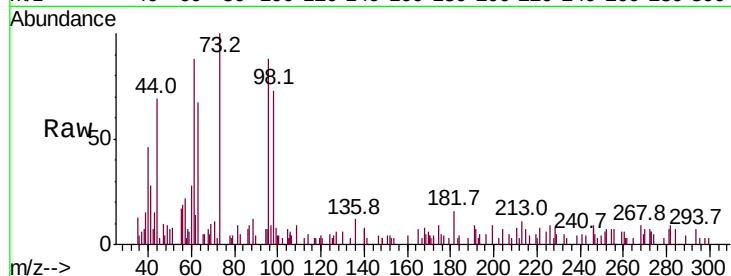
#17
Methyl tert-butyl Ether
Concen: 0.198 ug/L m
RT: 4.93 min Scan# 534
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.3	14.7	22.1
57	6.9	18.9	28.3#

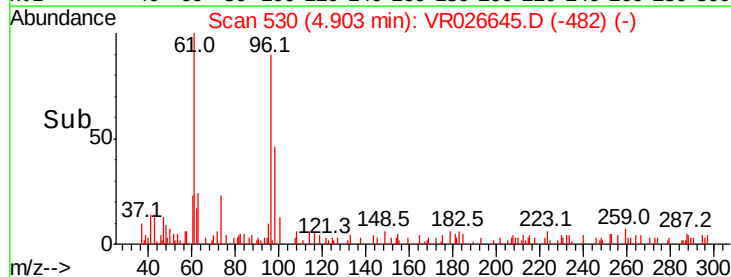
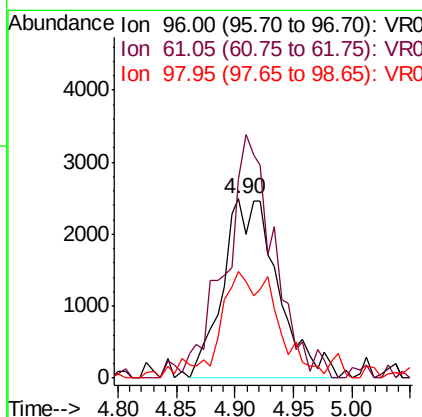
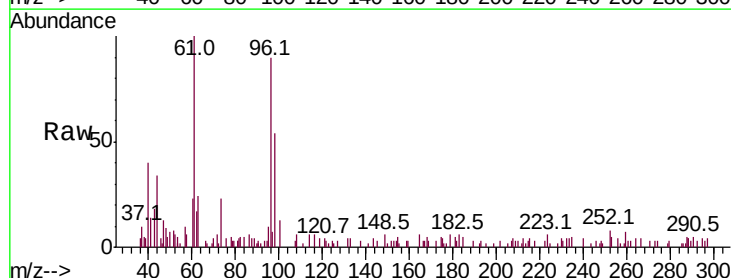
Manual Integrations
APPROVED

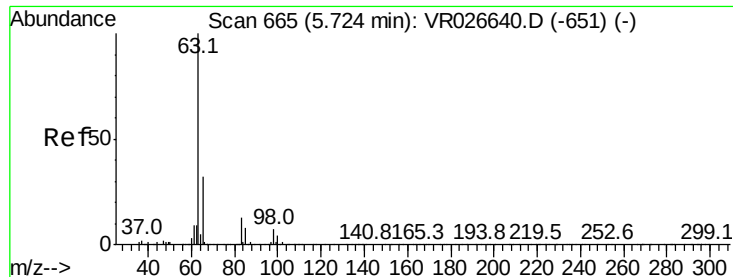
MMDadoda
9/20/2019 12:41:55 AM



#18
trans-1,2-Dichloroethene
Concen: 0.289 ug/L m
RT: 4.90 min Scan# 530
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

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





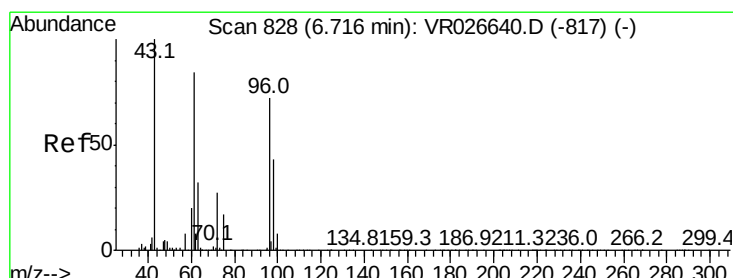
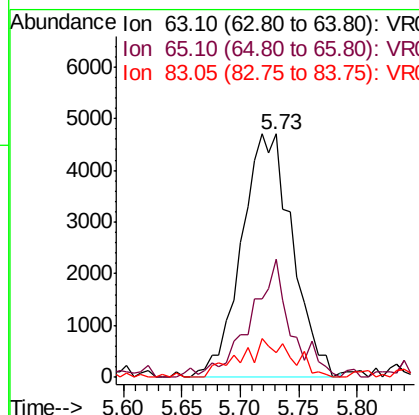
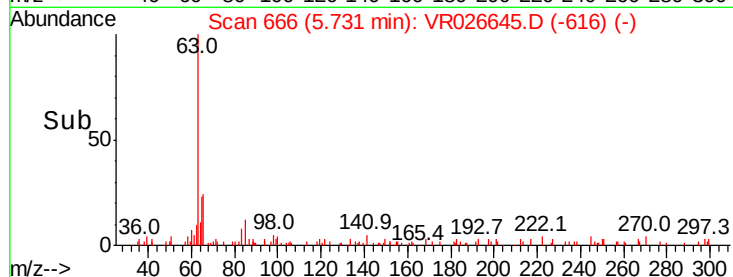
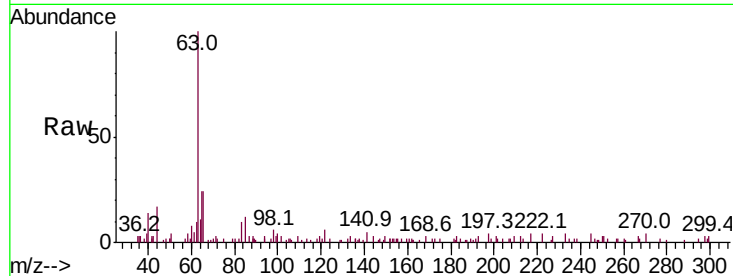
#19
 1,1-Dichloroethane
 Concen: 0.271 ug/L
 RT: 5.73 min Scan# 666
 Delta R.T. 0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	48.5	22.5	41.9#	
83	10.1	8.6	16.0	

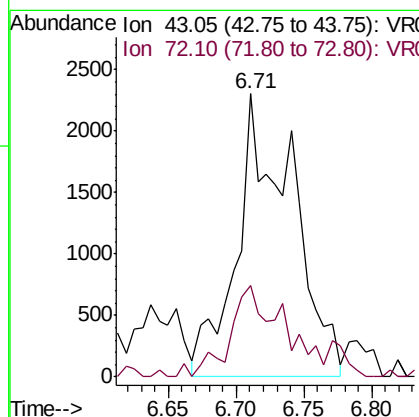
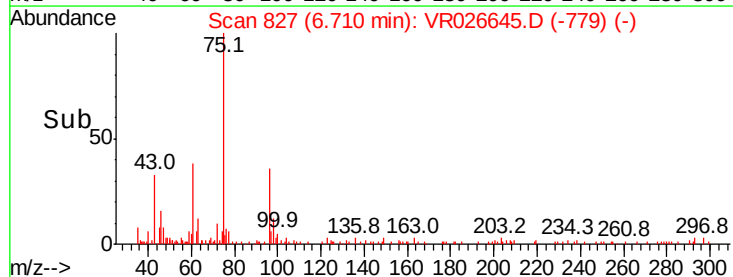
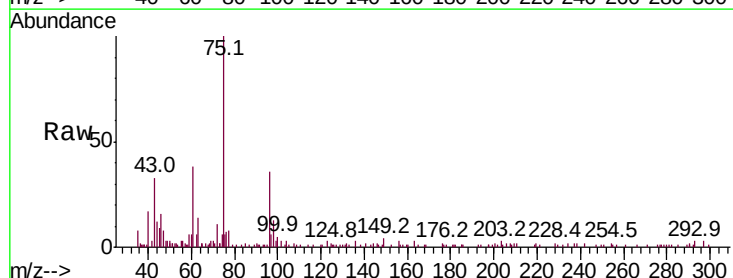
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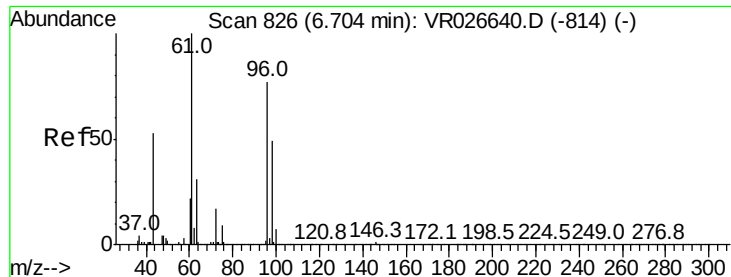
MMDadoda
 9/20/2019 12:41:55 AM



#21
 2-Butanone
 Concen: 2.620 ug/L m
 RT: 6.71 min Scan# 827
 Delta R.T. -0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
72	2.6	15.0	45.1#	





#22

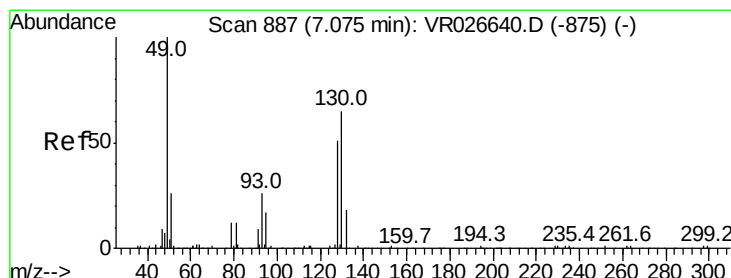
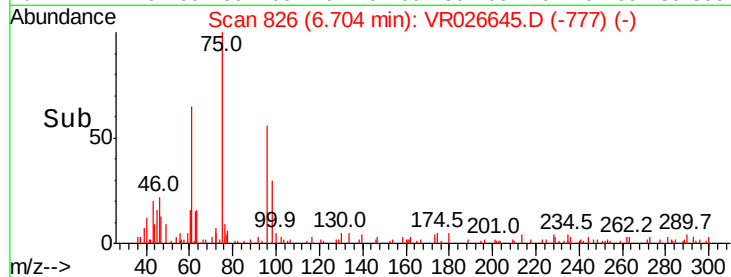
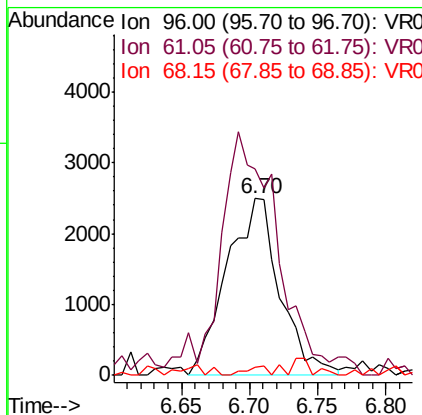
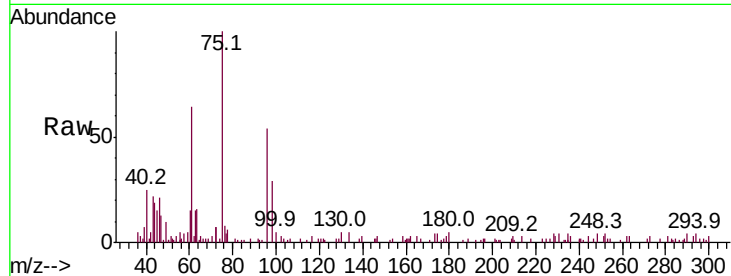
cis-1,2-Dichloroethene
Concen: 0.253 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Tot Ion	Ratio	Resp	Lower	Upper
96	100	6812		
61	116.8	95.4	177.2	
68	4.5	0.0	0.0#	

Manual Integrations
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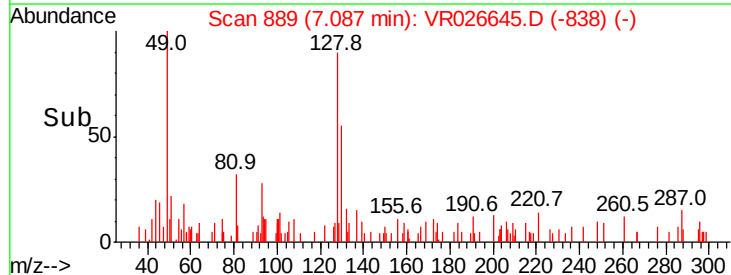
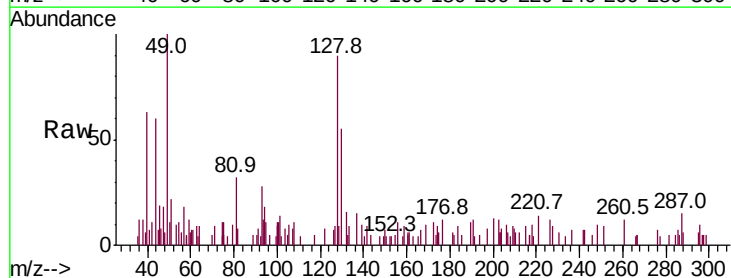
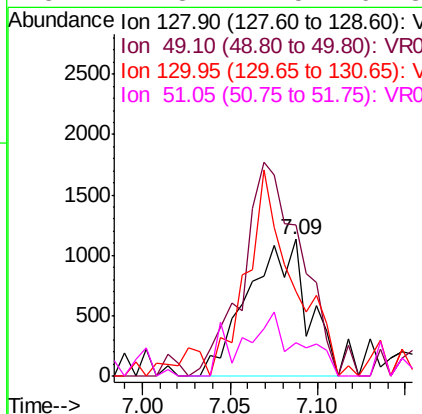
MMDadoda
9/20/2019 12:41:55 AM

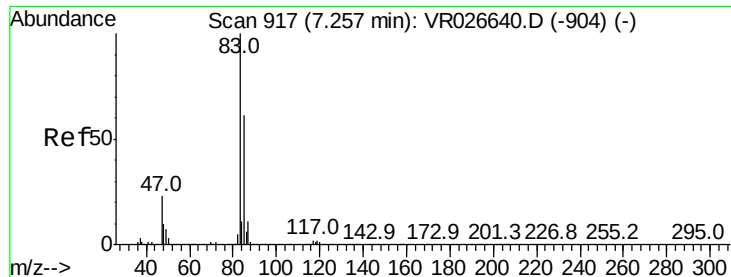


#23

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

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





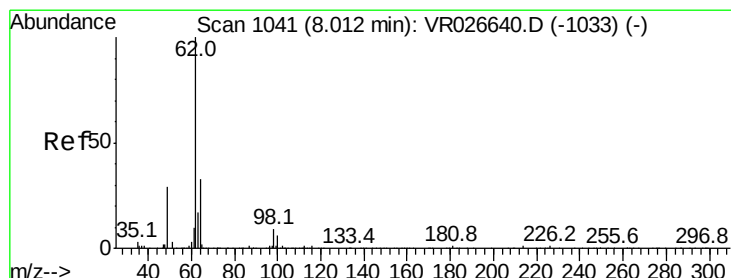
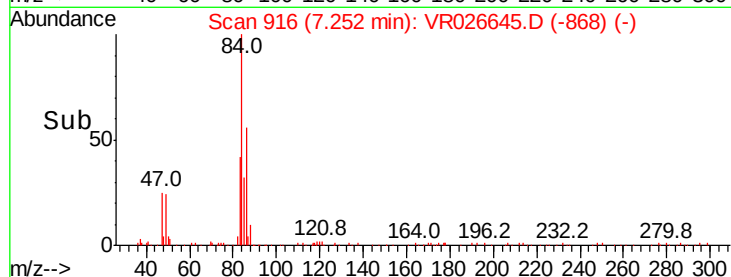
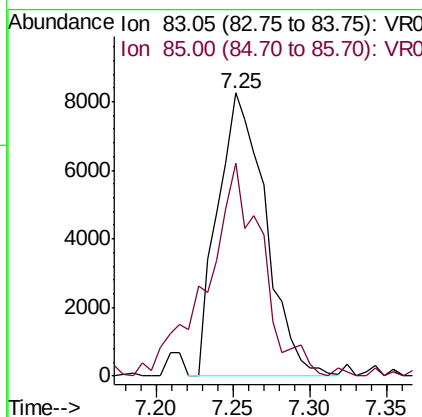
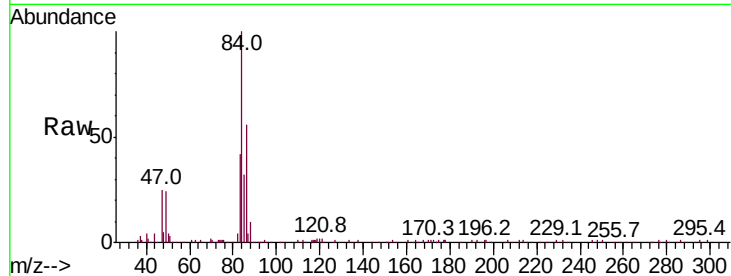
#25
Chloroform
Concen: 0.355 ug/L
RT: 7.25 min Scan# 916
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

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

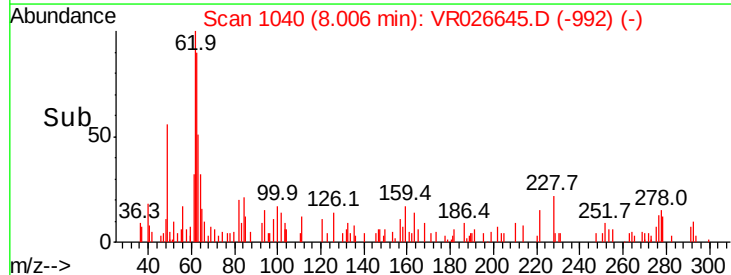
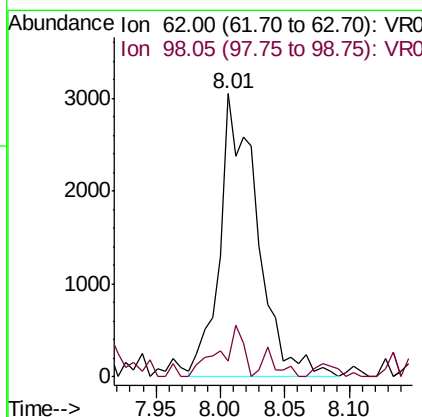
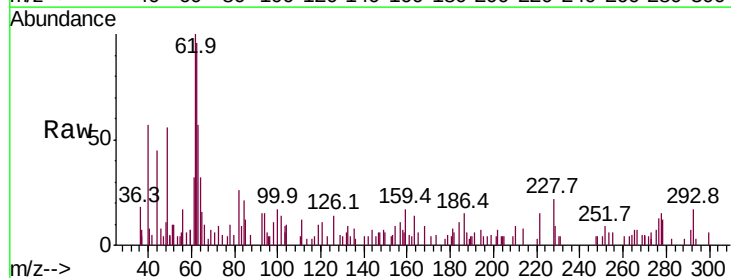
Manual Integrations
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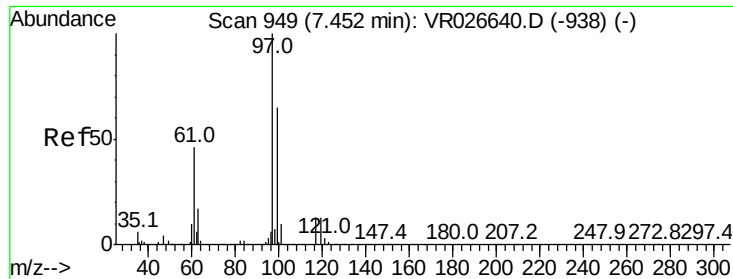
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.349 ug/L
RT: 8.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion	62	Resp	6210
Ion Ratio	100	Lower	Upper
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

Instrument :

MSVOA_R

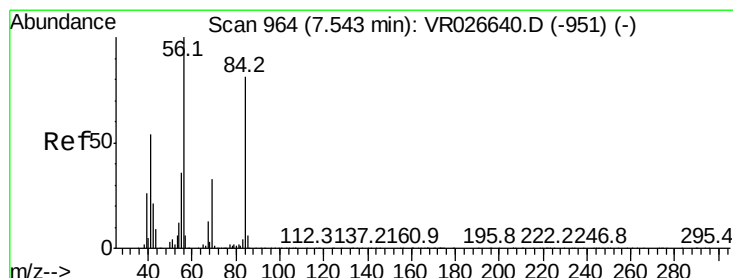
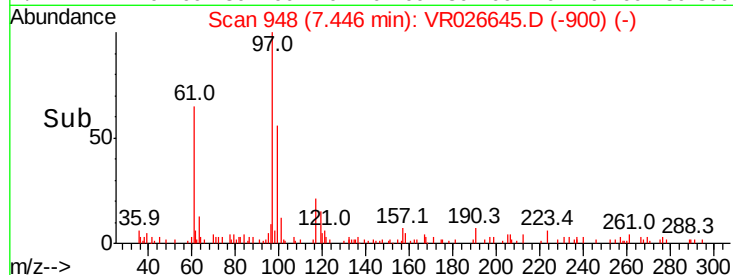
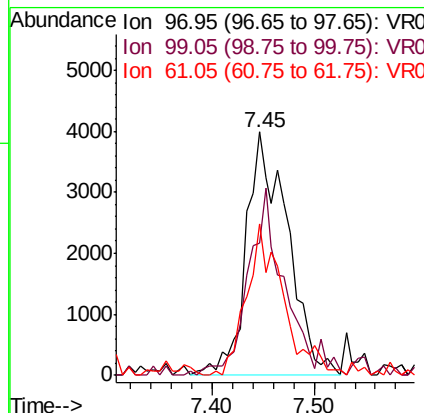
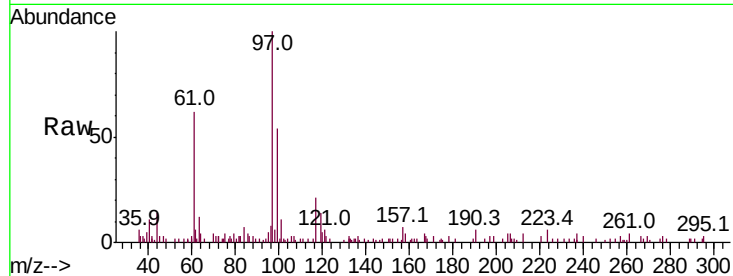
ClientSampled :

MDL05

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

Manual Integrations
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#30

Cyclohexane

Concen: 0.171 ug/L

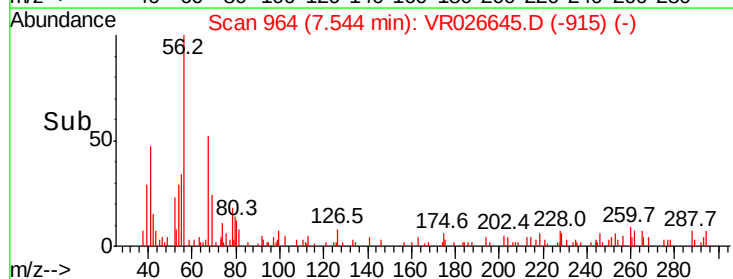
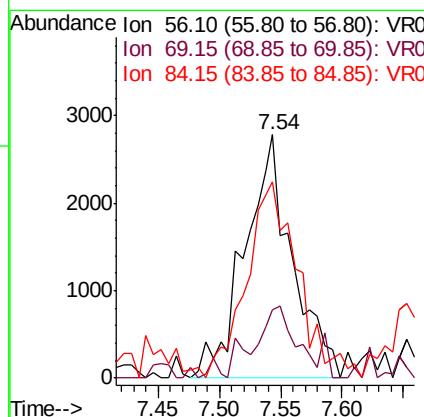
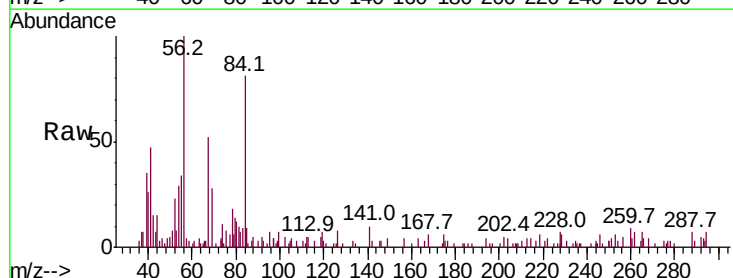
RT: 7.54 min Scan# 964

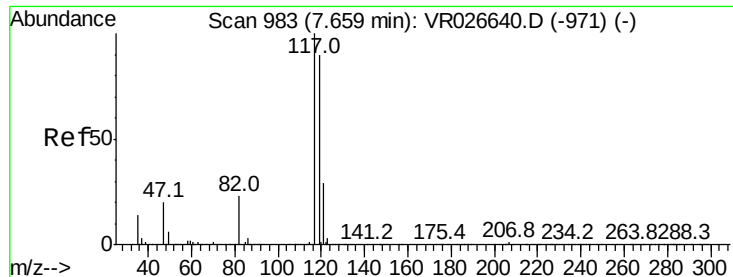
Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

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





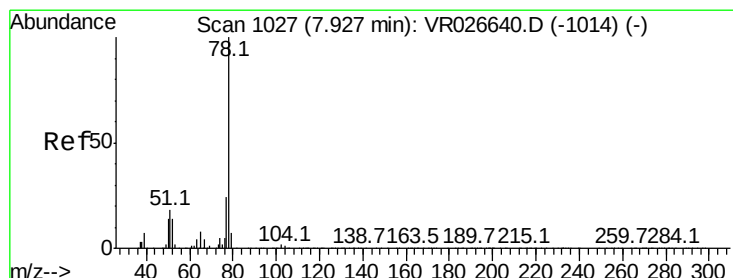
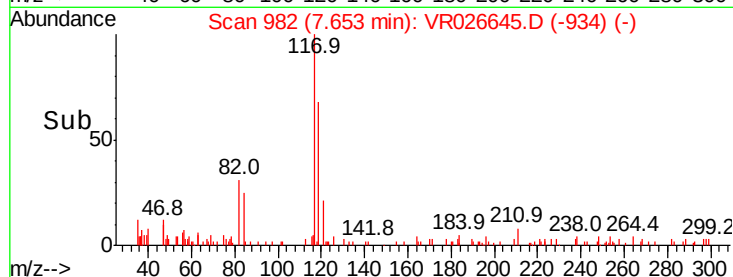
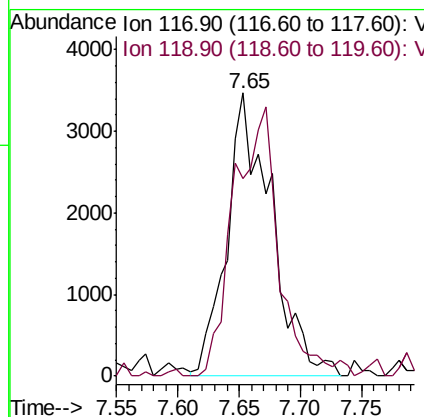
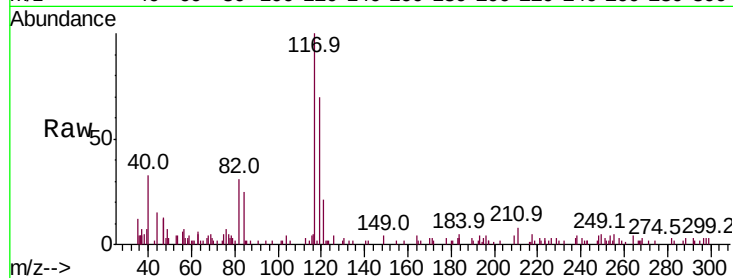
#31
Carbon tetrachloride
Concen: 0.252 ug/L
RT: 7.65 min Scan# 982
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

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

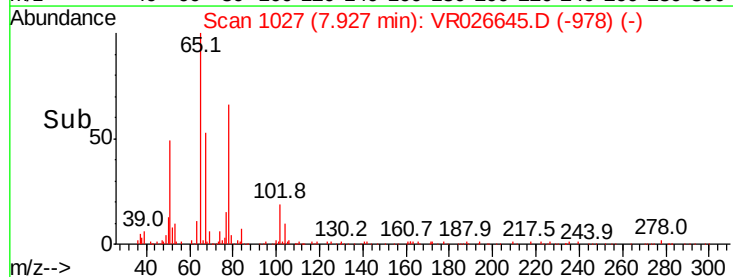
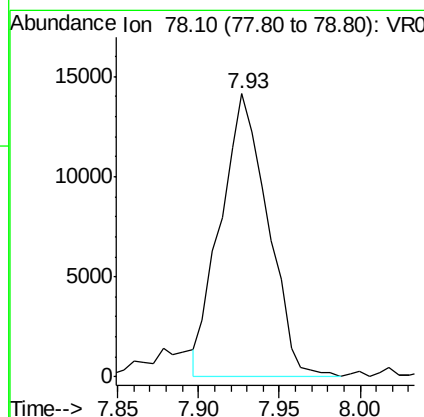
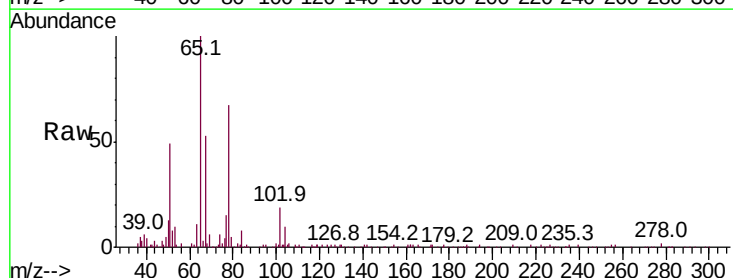
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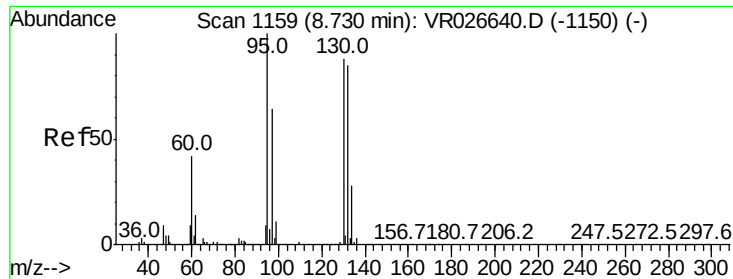
MMDadoda
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#33
Benzene
Concen: 0.255 ug/L m
RT: 7.93 min Scan# 1027
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Tgt Ion: 78 Resp: 28791





#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

Instrument :

MSVOA_R

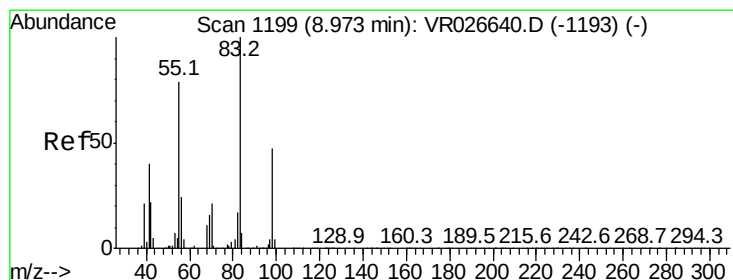
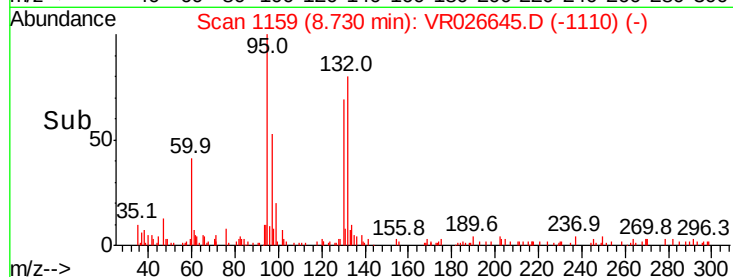
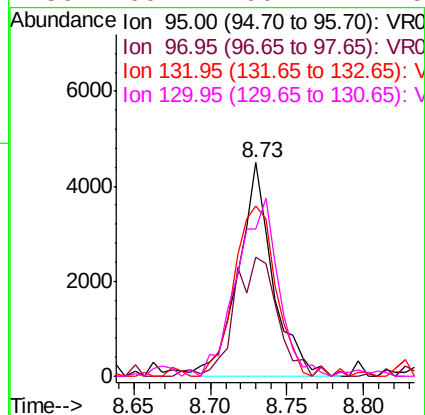
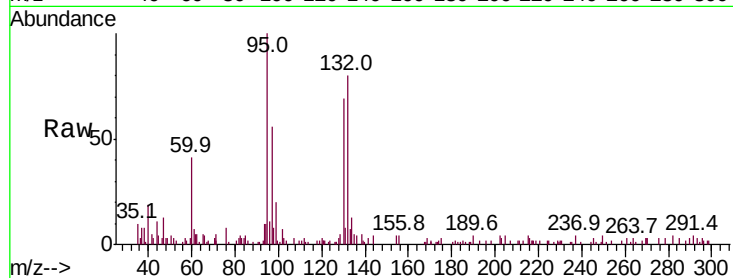
ClientSampleId :

MDL05

Tot Ion	95	Ratio	100	Resp:	7010
	95	100		Lower	Upper
	97	55.8		45.6	84.6
	132	79.8		57.3	106.5
	130	69.1		60.1	111.5

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#35

Methylcyclohexane

Concen: 0.213 ug/L

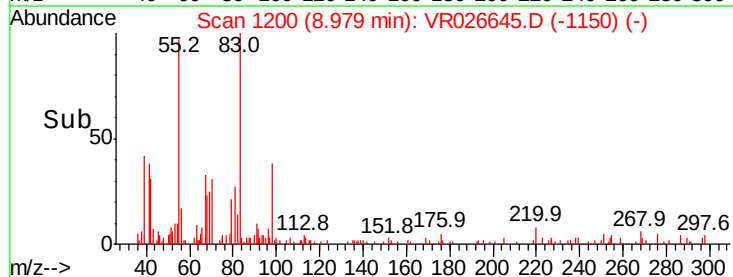
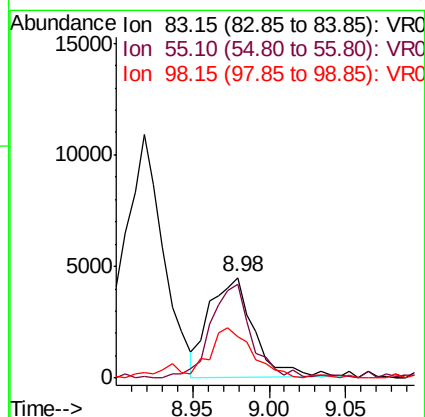
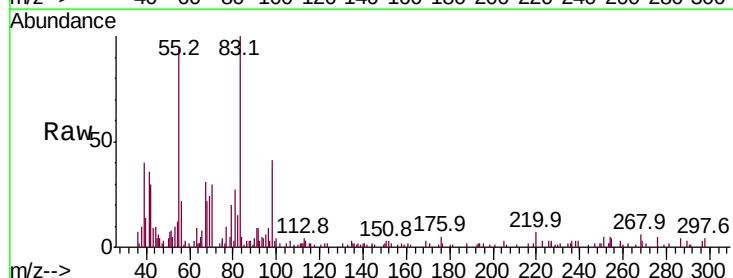
RT: 8.98 min Scan# 1200

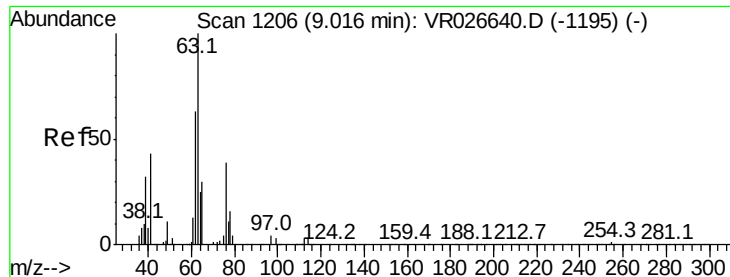
Delta R.T. 0.01 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

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





#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

Instrument :

MSVOA_R

ClientSampled :

MDL05

Tot Ion: 63 Resp: 5669

Ion Ratio Lower Upper

63 100

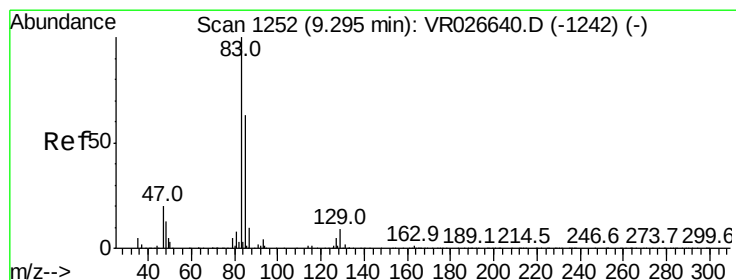
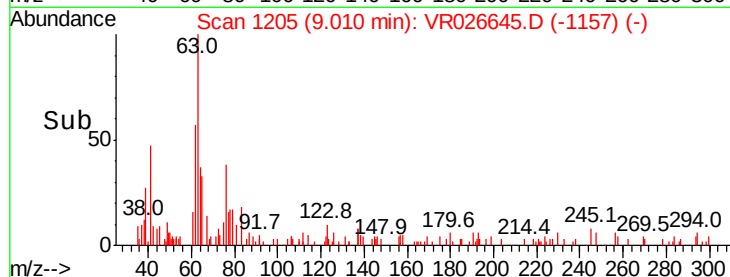
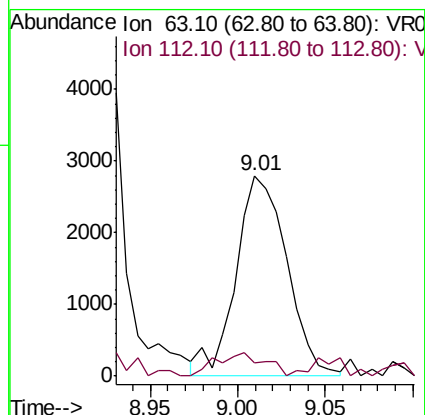
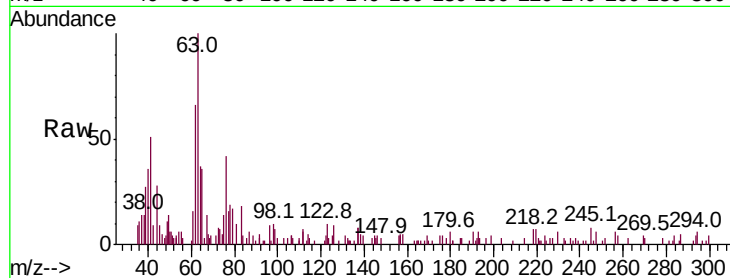
112 11.2 3.1 4.7#

Manual Integrations

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#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

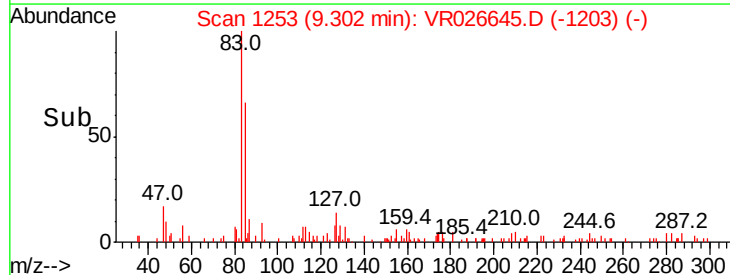
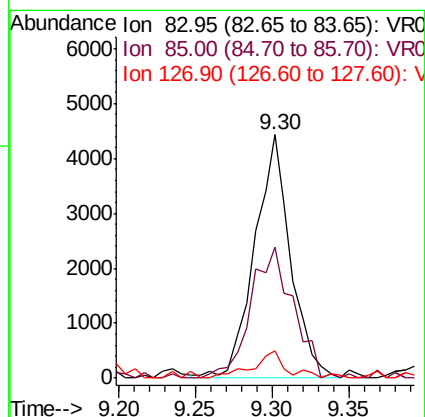
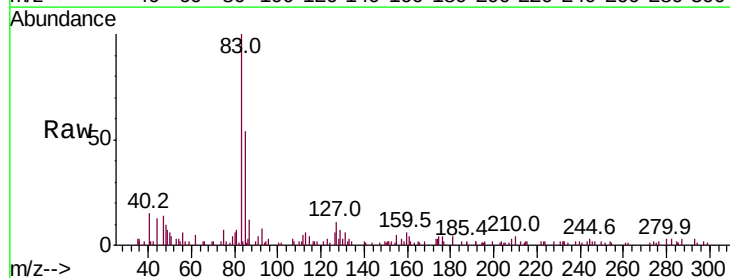
Tgt Ion: 83 Resp: 7235

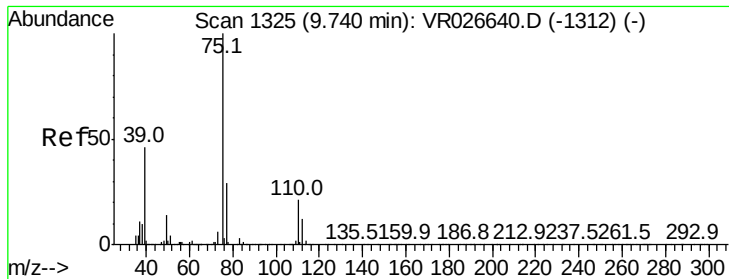
Ion Ratio Lower Upper

83 100

85 54.8 44.0 81.8

127 11.4 6.4 9.6#





#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

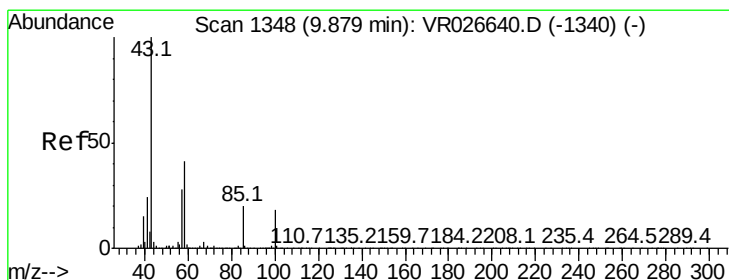
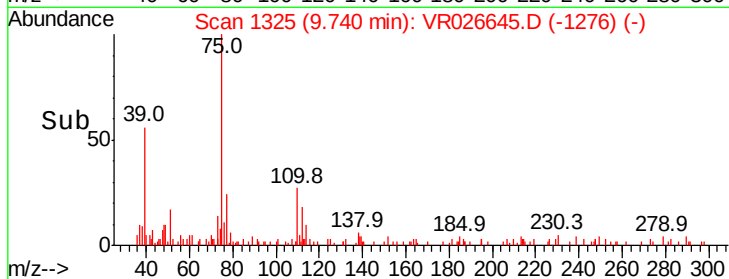
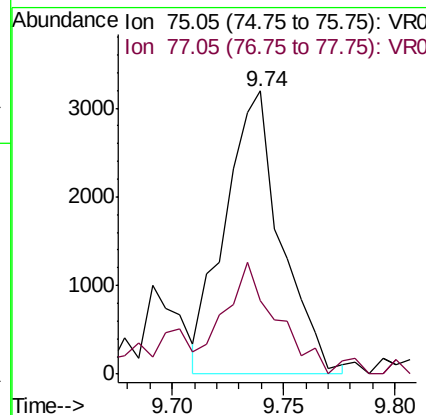
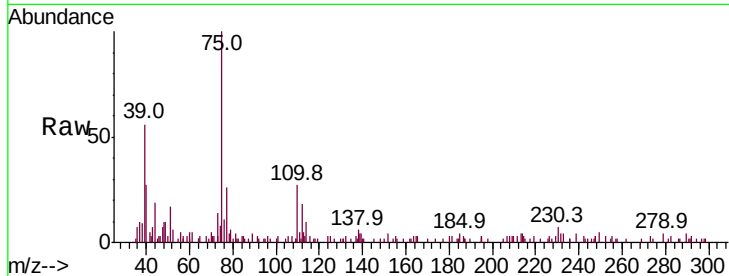
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
75	100		
77	25.8	21.8	40.6

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#40

4-Methyl-2-pentanone

Concen: 1.700 ug/L

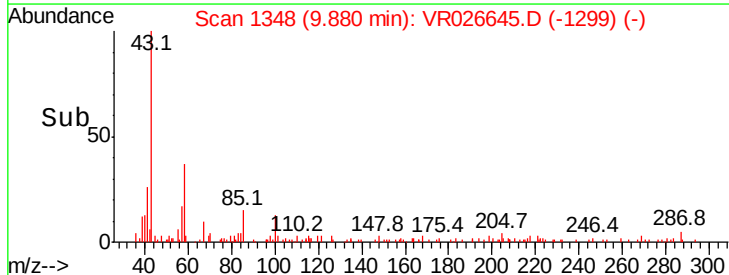
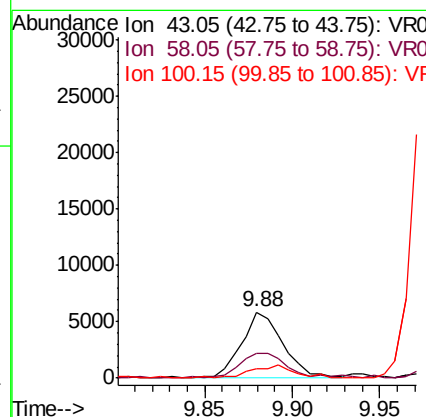
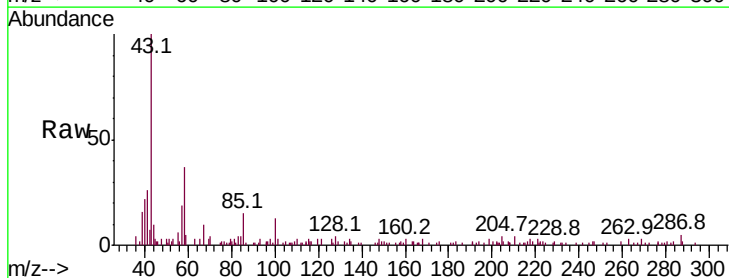
RT: 9.88 min Scan# 1348

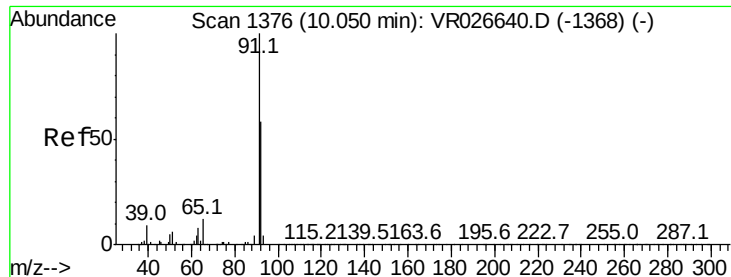
Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Tgt 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

Instrument :

MSVOA_R

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 26983

Ion Ratio Lower Upper

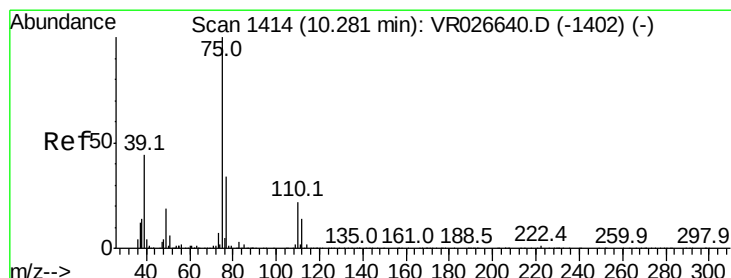
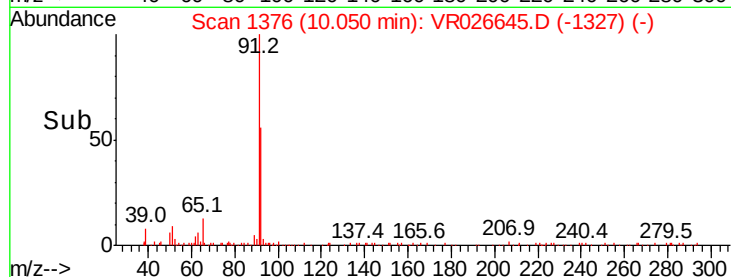
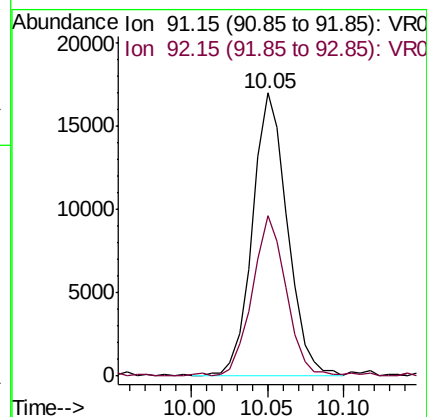
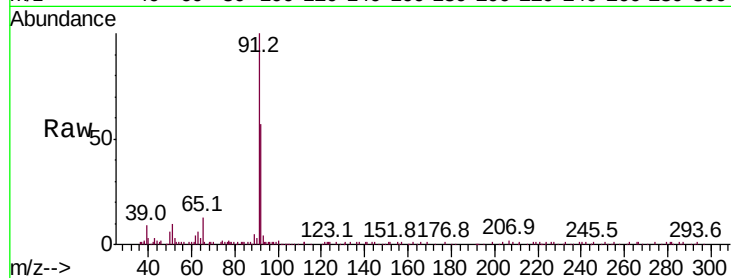
91 100

92 56.8 40.8 75.8

Manual Integrations
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MMDadoda

9/20/2019 12:41:55 AM



#44

trans-1,3-Dichloropropene

Concen: 0.226 ug/L m

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026645.D

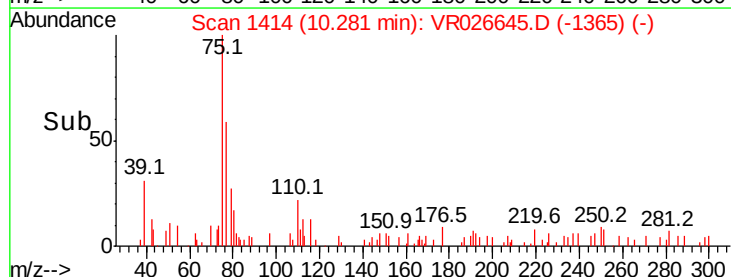
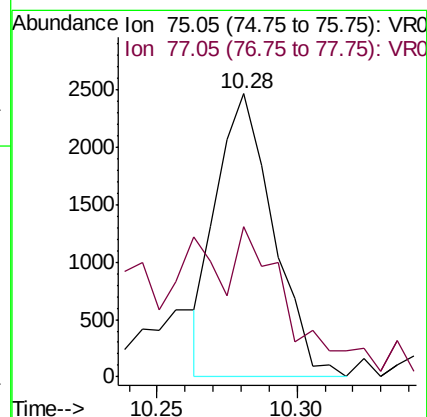
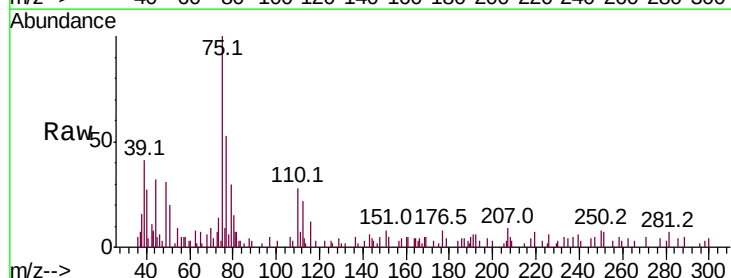
Acq: 17 Sep 2019 18:14

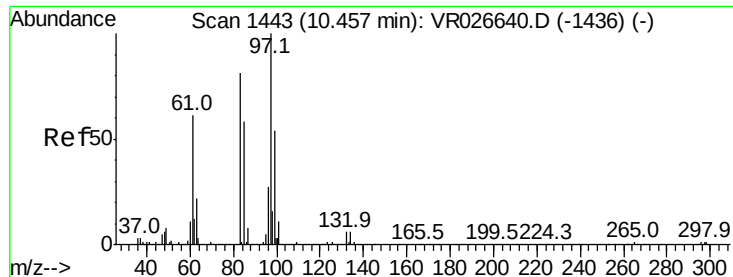
Tgt Ion: 75 Resp: 3511

Ion Ratio Lower Upper

75 100

77 53.3 23.1 42.9#





#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

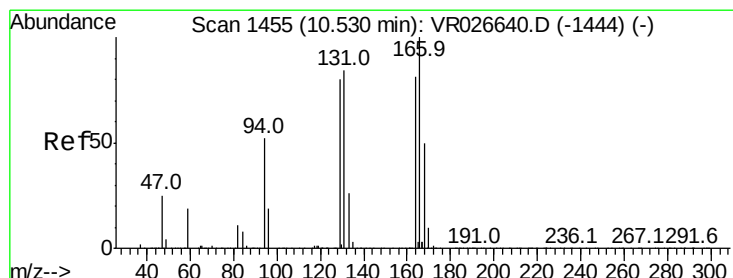
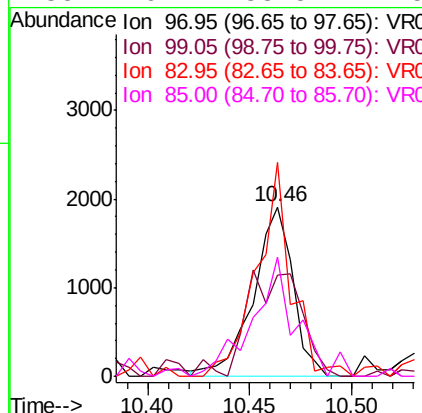
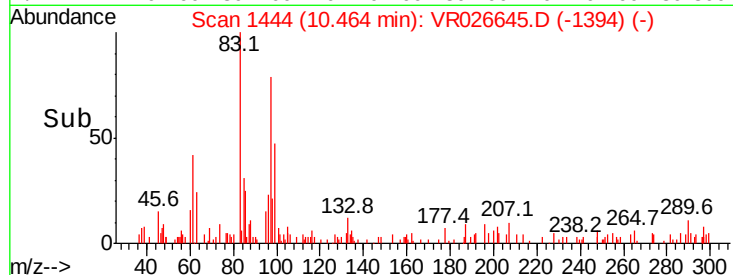
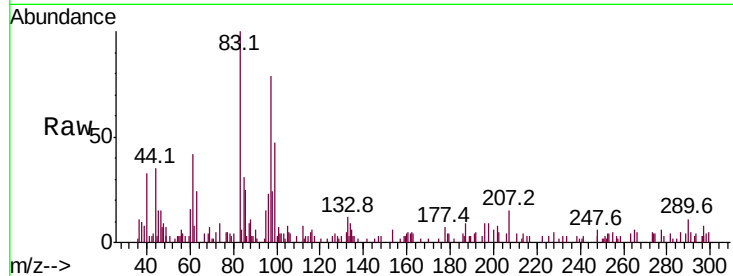
ClientSampled :

MDL05

Tot 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

Manual Integrations
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#47

Tetrachloroethene

Concen: 0.328 ug/L

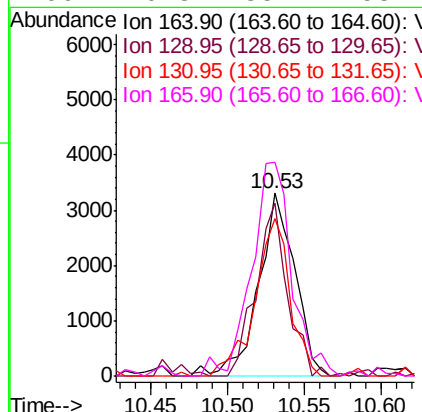
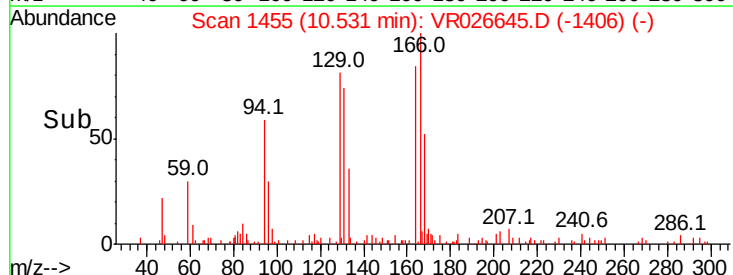
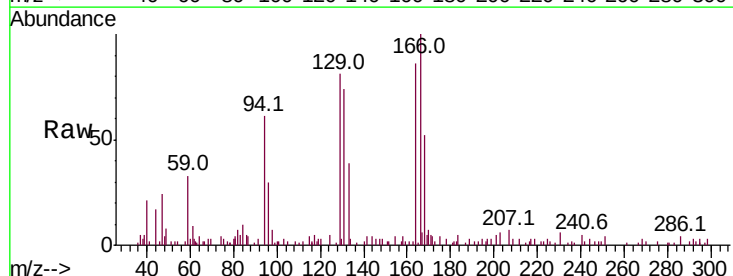
RT: 10.53 min Scan# 1455

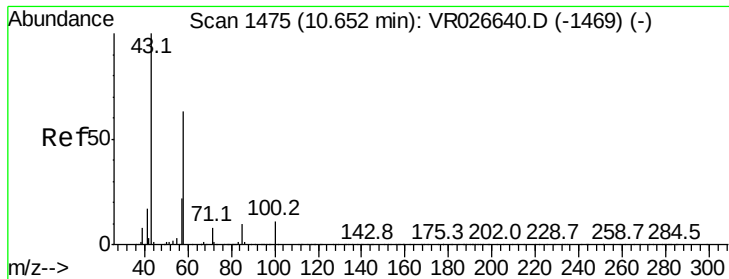
Delta R.T. 0.00 min

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





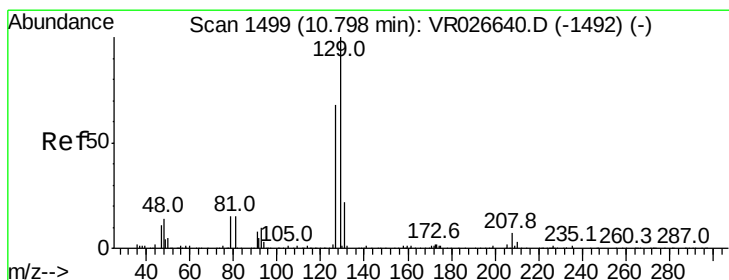
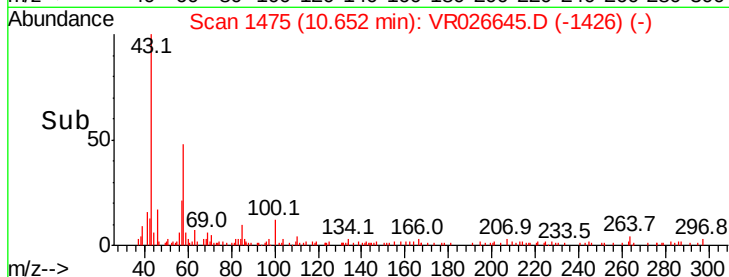
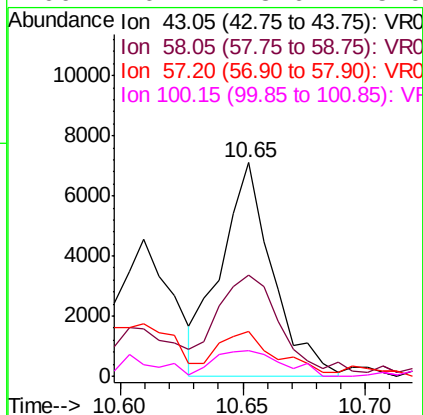
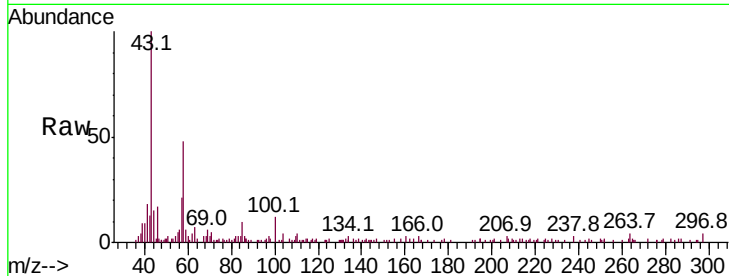
#48
2-Hexanone
Concen: 2.851 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampled :
MDL05

Tot 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

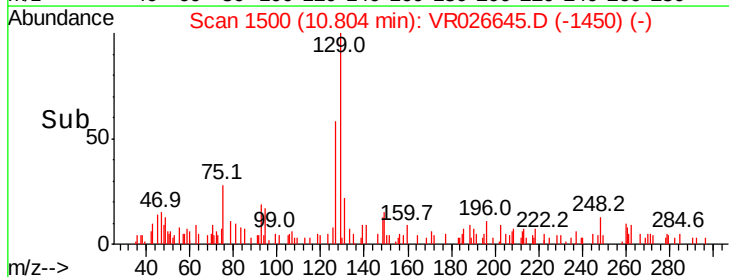
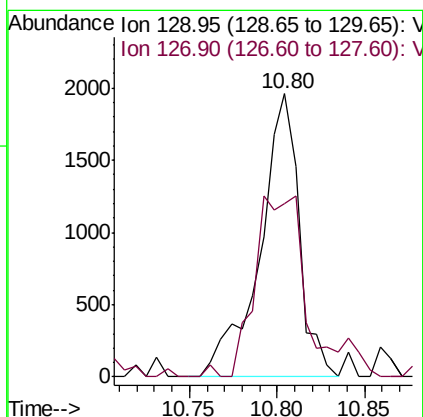
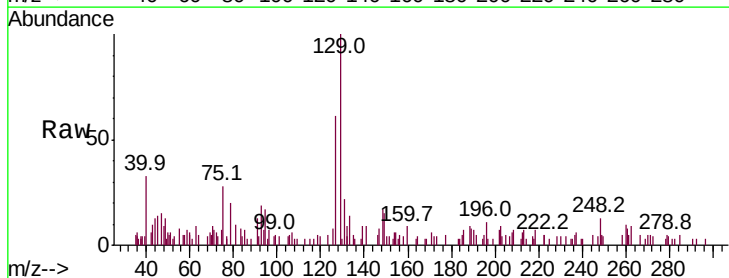
Manual Integrations
APPROVED

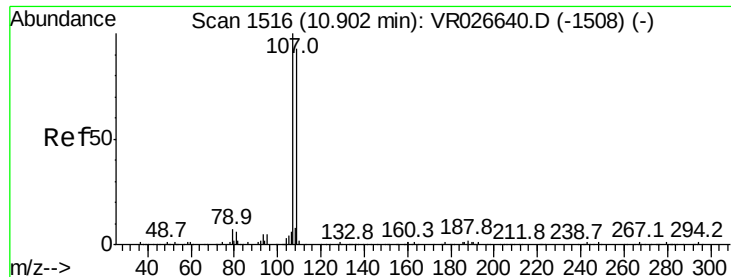
MMDadoda
9/20/2019 12:41:55 AM



#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	Ratio	Lower	Upper
129	100		
127	61.3	57.0	105.9





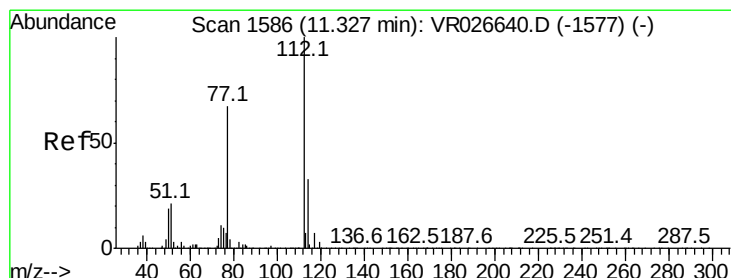
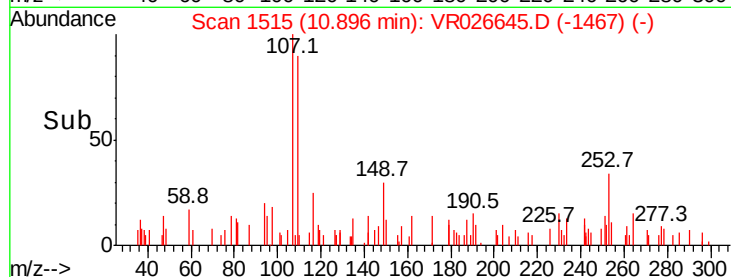
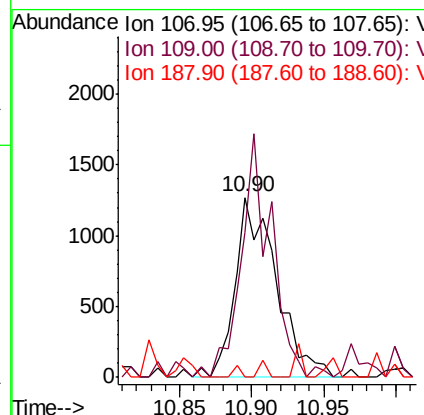
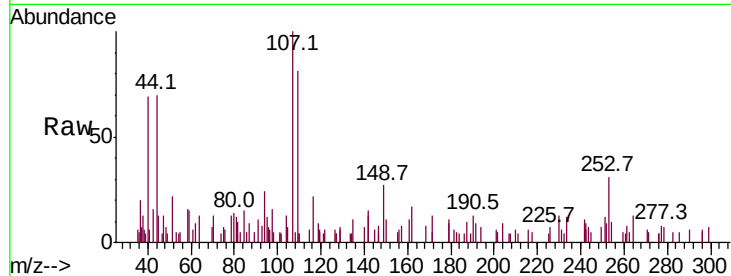
#50
1,2-Dibromoethane
Concen: 0.300 ug/L
RT: 10.90 min Scan# 1515
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

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

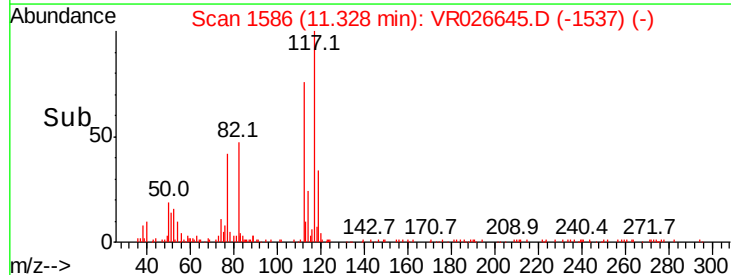
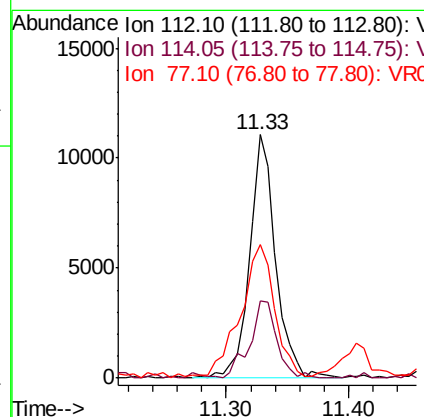
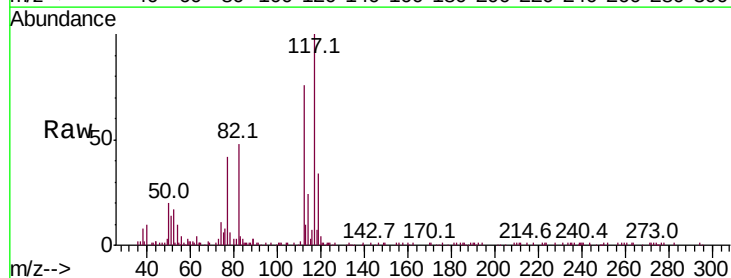
Manual Integrations
APPROVED

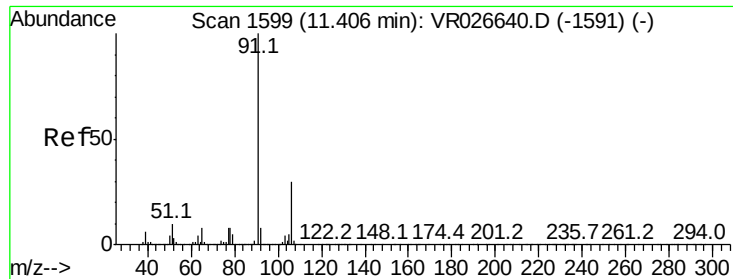
MMDadoda
9/20/2019 12:41:55 AM



#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	Ratio	Resp	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

Tot Ion: 91 Resp: 23164

Ion Ratio Lower Upper

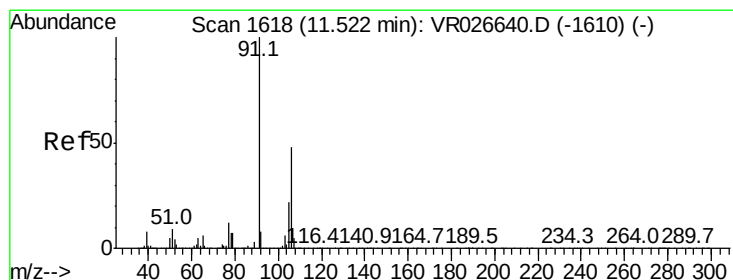
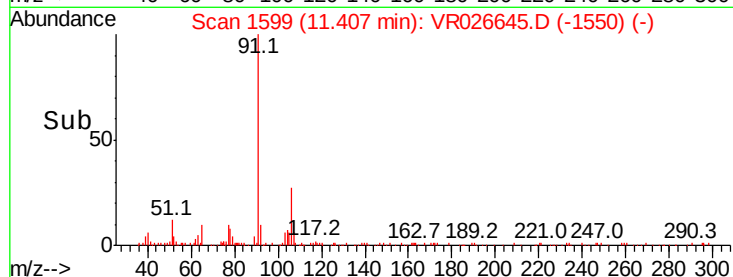
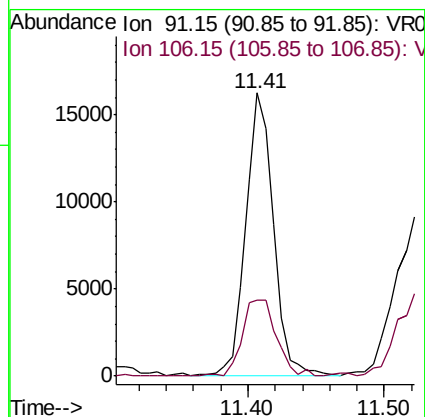
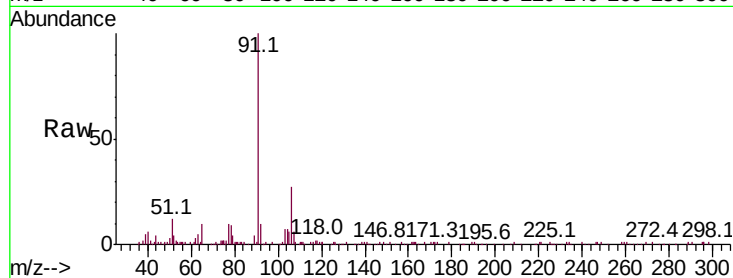
91 100

106 26.8 21.0 39.0

Manual Integrations
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#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

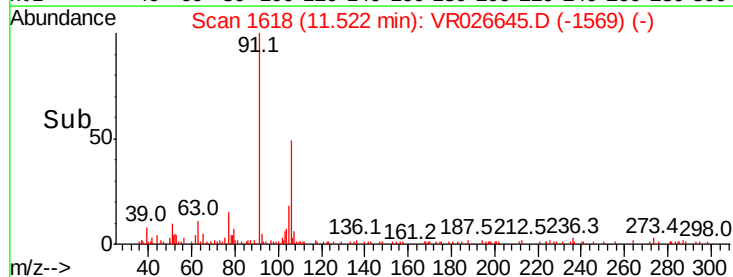
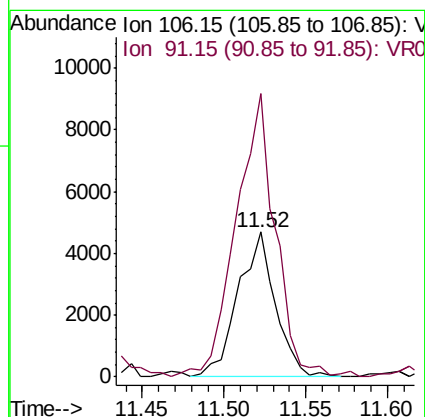
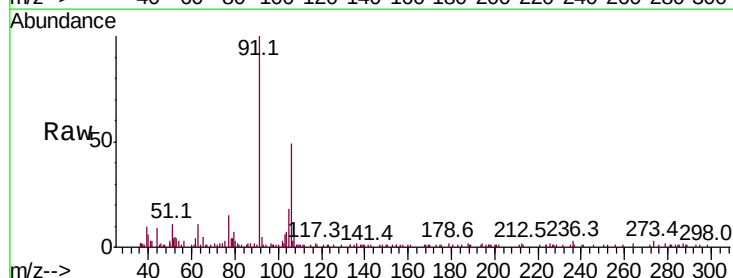
Acq: 17 Sep 2019 18:14

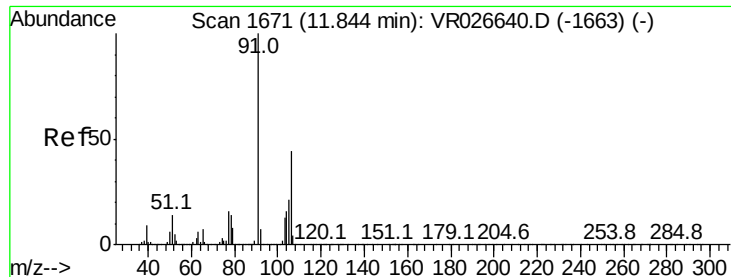
Tgt Ion: 106 Resp: 7486

Ion Ratio Lower Upper

106 100

91 195.3 146.5 272.1





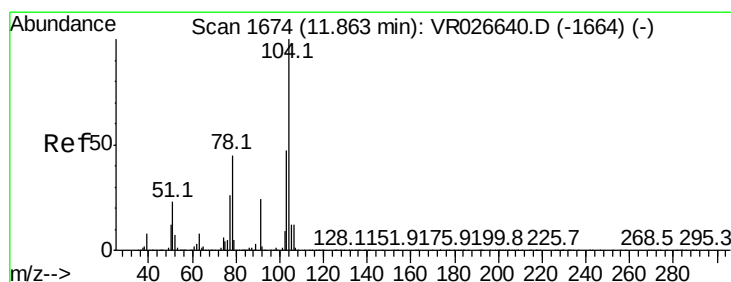
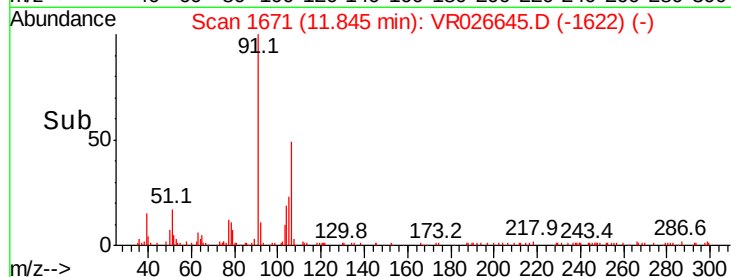
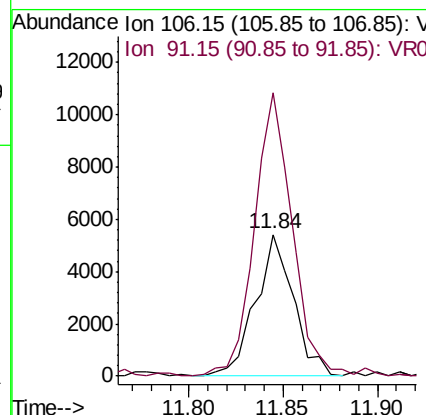
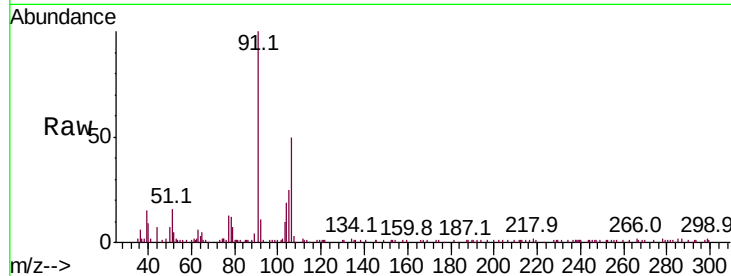
#54
o-Xylene
Concen: 0.191 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.6	154.3	286.5

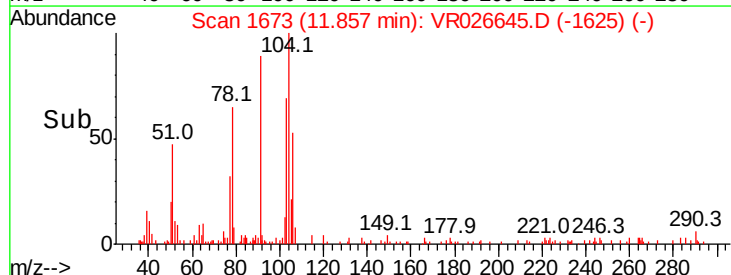
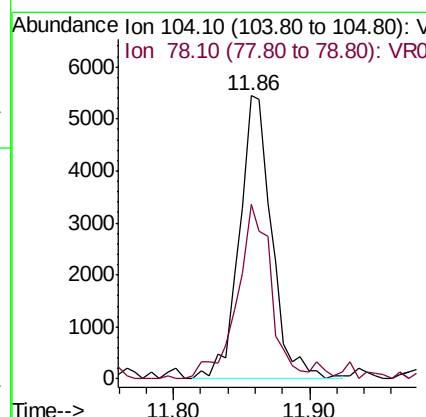
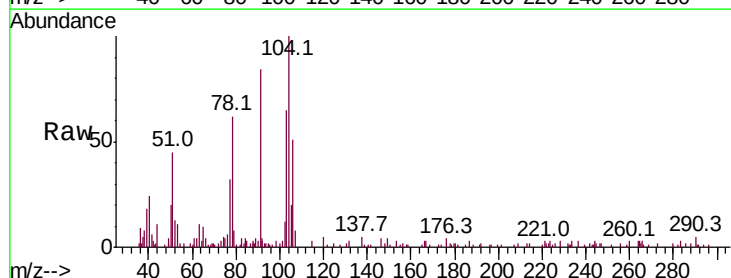
Manual Integrations
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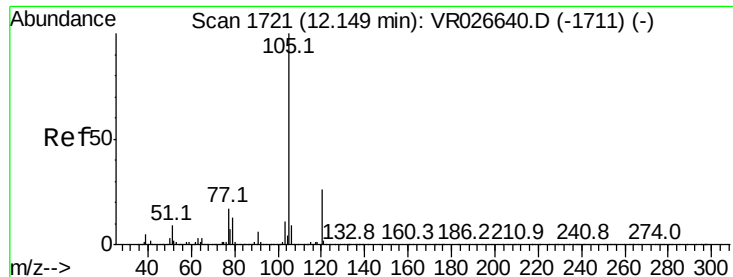
MMDadoda
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#55
Styrene
Concen: 0.159 ug/L
RT: 11.86 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

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





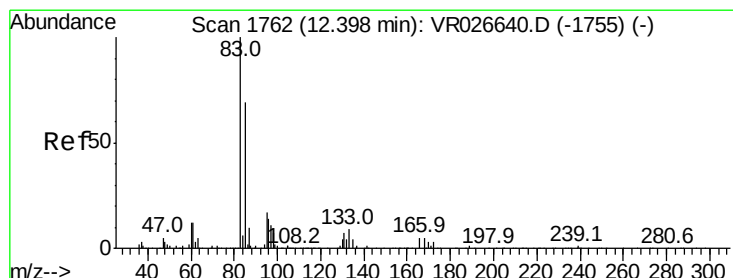
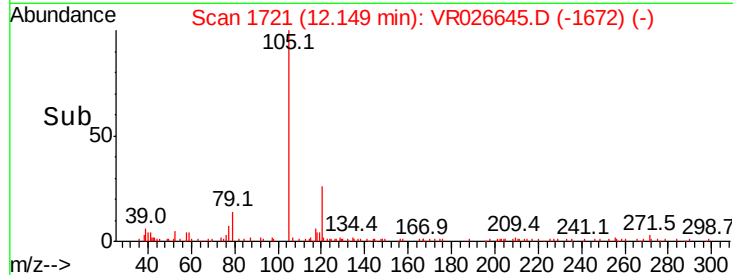
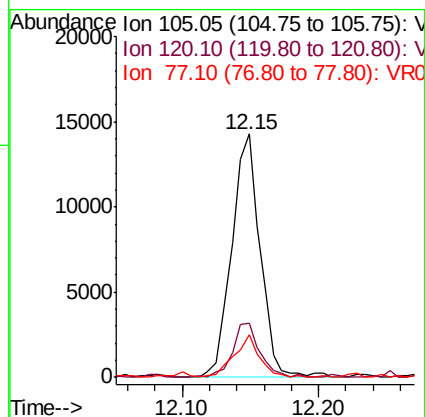
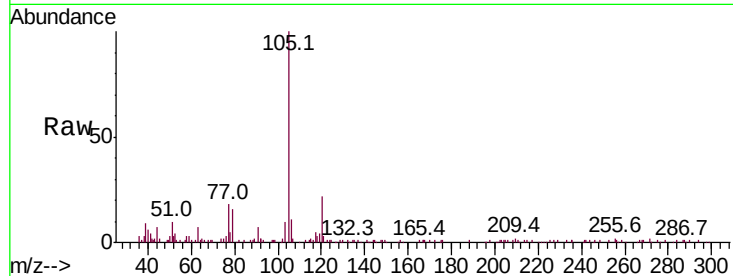
#56
Isopropylbenzene
Concen: 0.186 ug/L
RT: 12.15 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

Tot Ion:	105	Resp:	20736
Ion Ratio	Lower	Upper	
105	100		
120	21.5	20.7	31.1
77	16.0	13.3	19.9

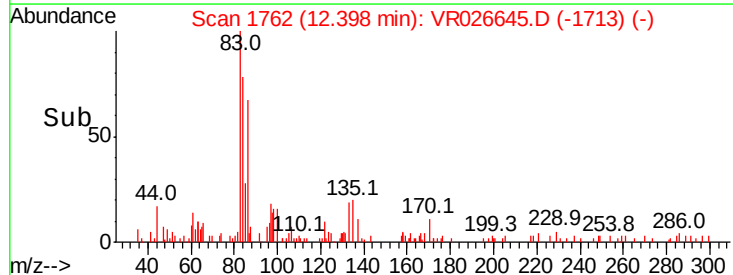
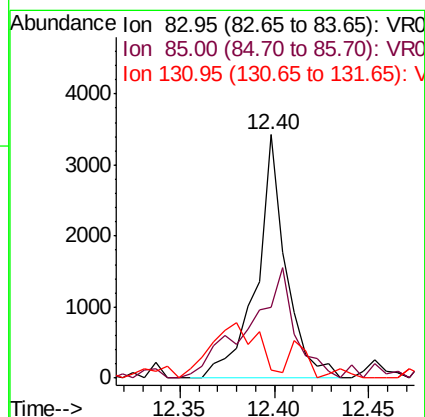
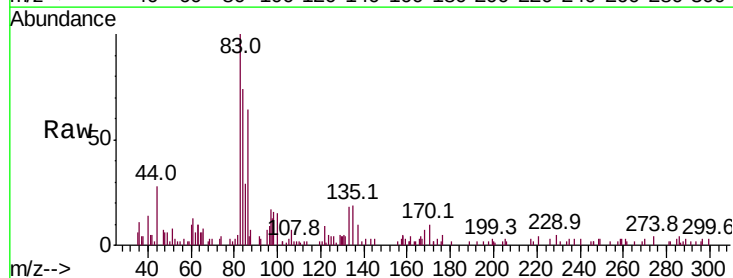
Manual Integrations
APPROVED

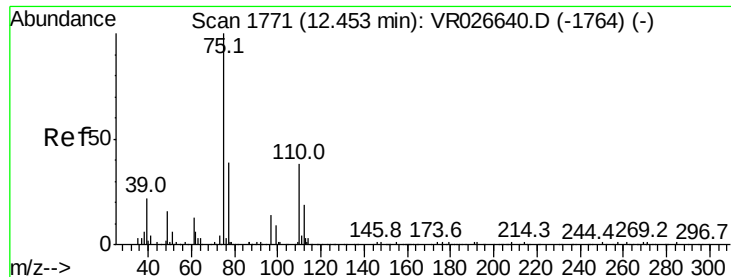
MMDadoda
9/20/2019 12:41:55 AM



#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#





#59

1,2,3-Trichloropropane

Concen: 0.264 ug/L m

RT: 12.45 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

Instrument :

MSVOA_R

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 2181

Ion Ratio Lower Upper

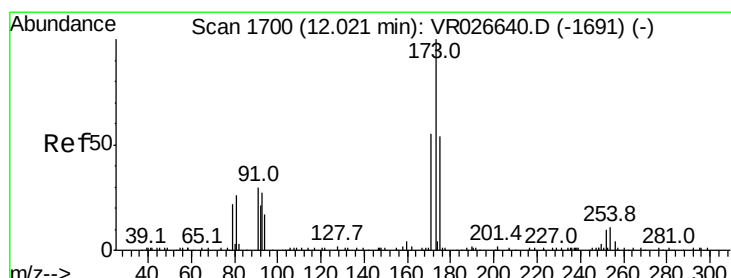
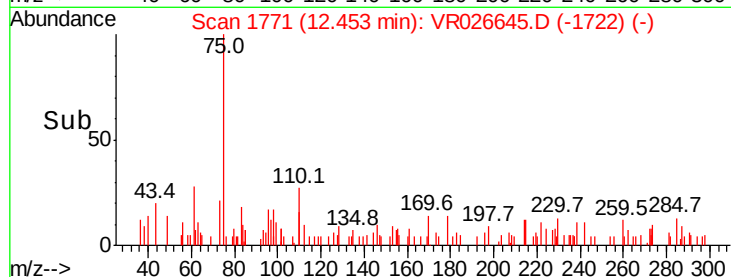
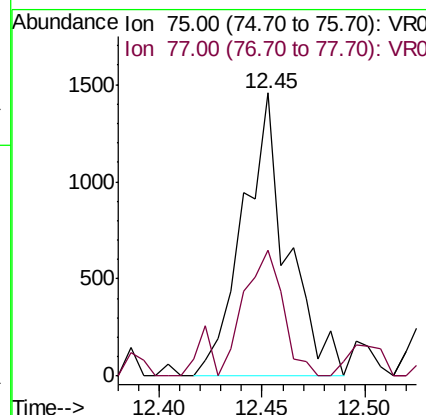
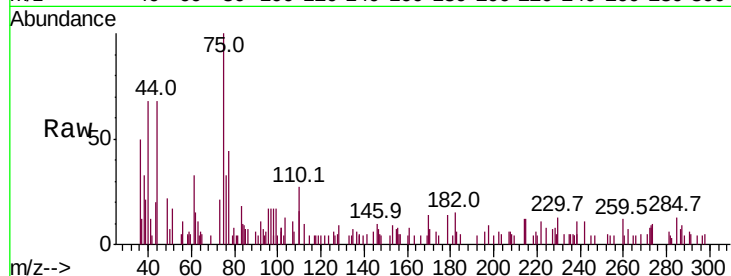
75 100

77 3.6 25.8 38.6#

Manual Integrations
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9/20/2019 12:41:55 AM



#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

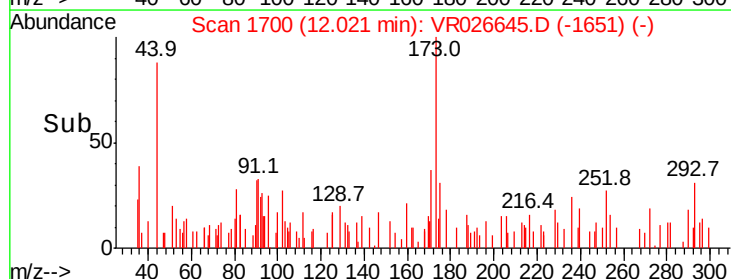
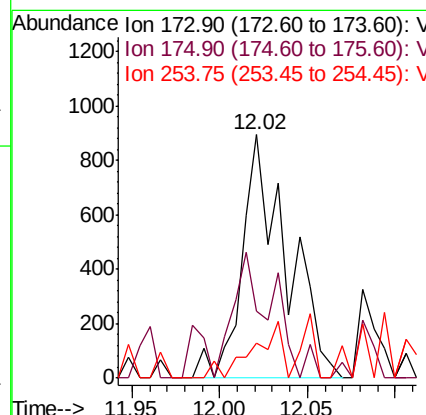
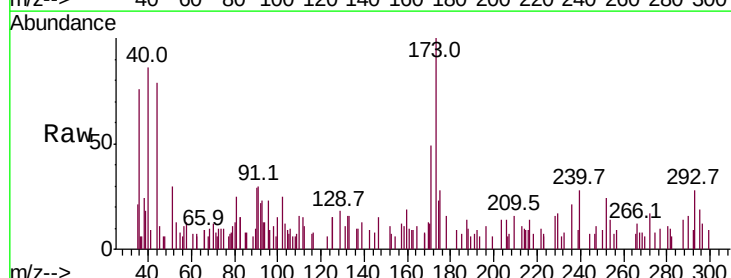
Tgt Ion: 173 Resp: 1594

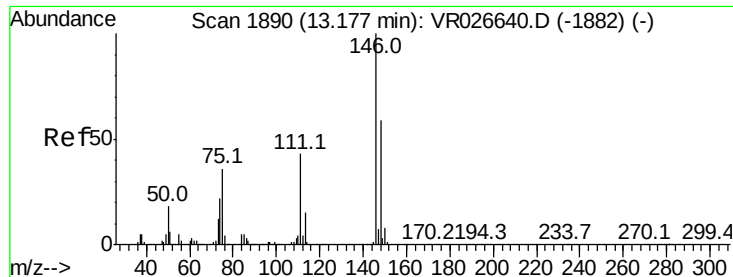
Ion Ratio Lower Upper

173 100

175 45.9 40.2 60.2

254 15.1 8.7 13.1#





#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

Instrument :

MSVOA_R

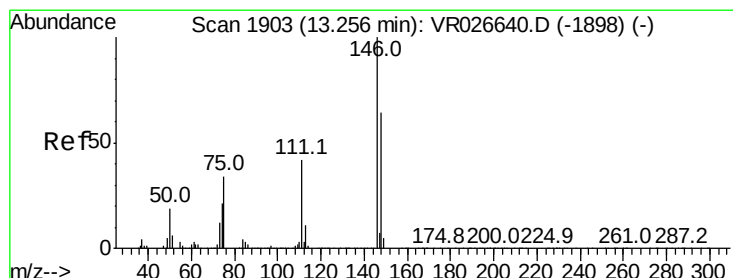
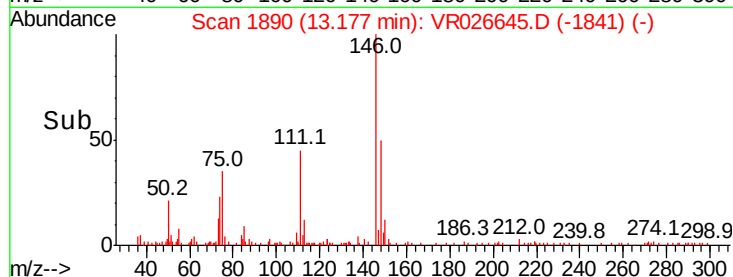
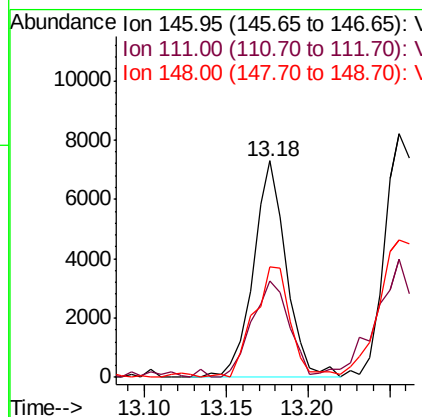
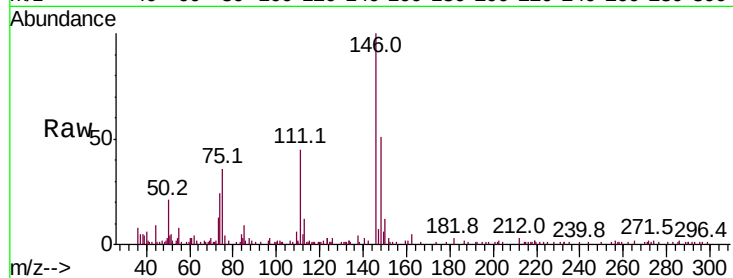
ClientSampled :

MDL05

Tot Ion:	146	Resp:	10250
Ion Ratio	Lower	Upper	
146	100		
111	44.7	29.5	54.9
148	51.0	42.8	79.4

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#63

1,4-Dichlorobenzene

Concen: 0.309 ug/L

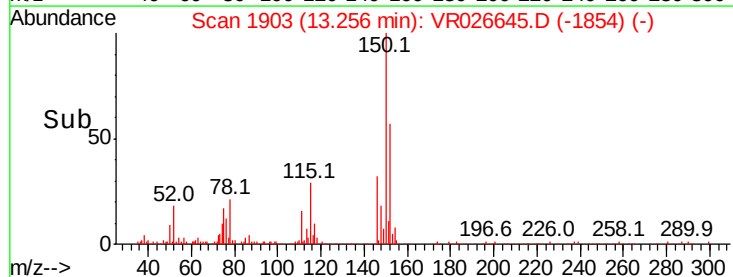
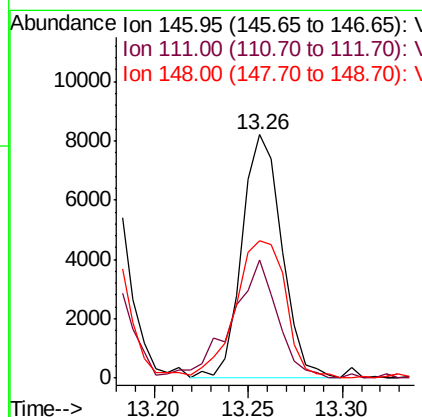
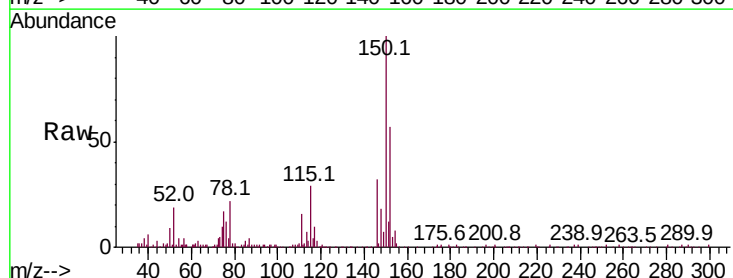
RT: 13.26 min Scan# 1903

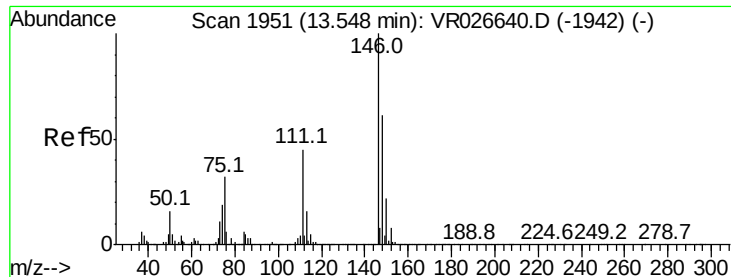
Delta R.T. 0.00 min

Lab File: VR026645.D

Acq: 17 Sep 2019 18:14

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





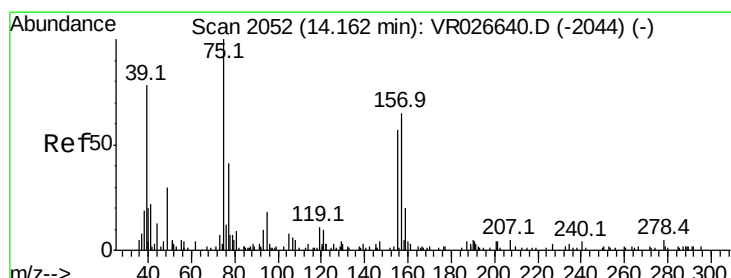
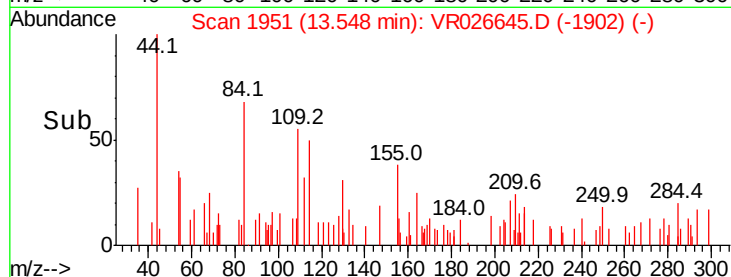
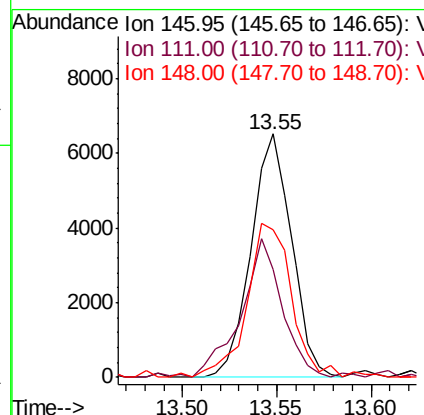
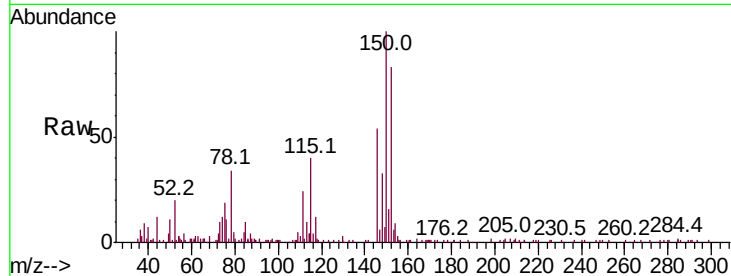
#65
 1,2-Dichlorobenzene
 Concen: 0.292 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	38.2	57.2
148	60.6	50.1	75.1

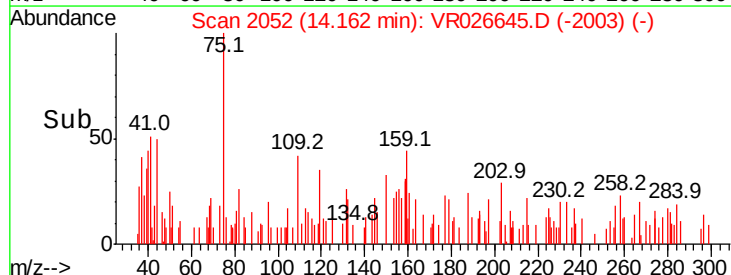
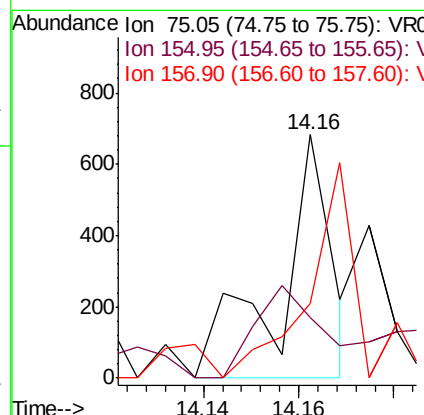
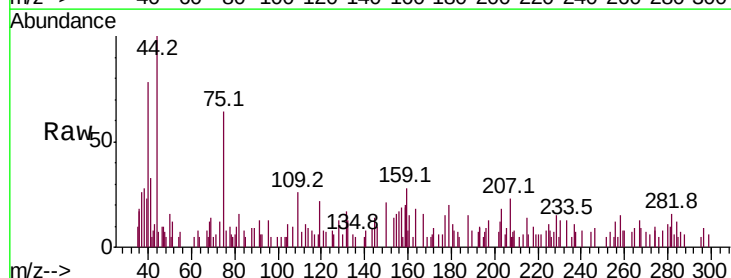
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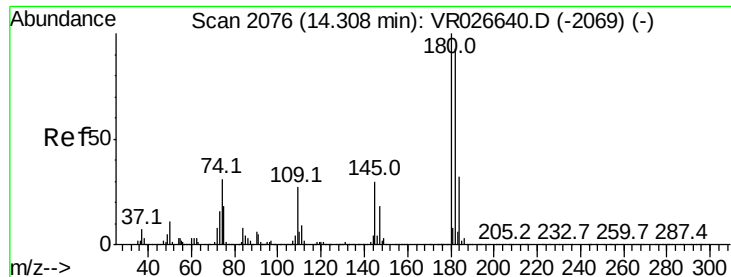
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.313 ug/L m
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	24.9	49.4	74.2#
157	30.5	65.2	97.8#





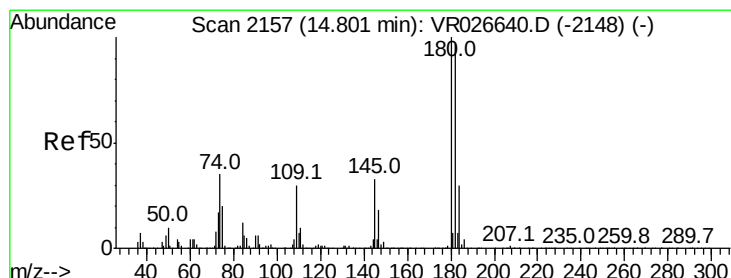
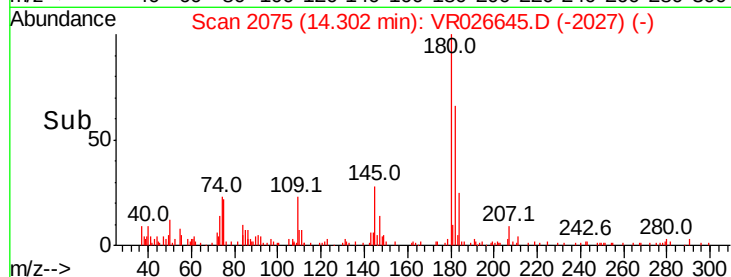
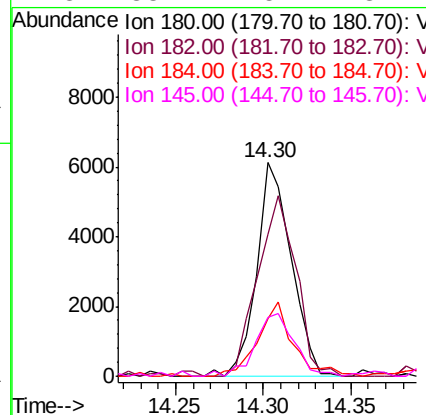
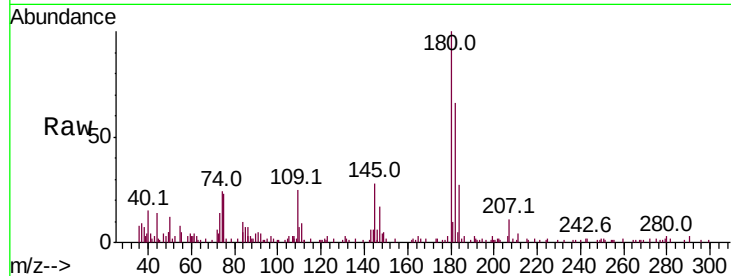
#67
 1,3,5-Trichlorobenzene
 Concen: 0.264 ug/L
 RT: 14.30 min Scan# 2075
 Delta R.T. -0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL05

Tot 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

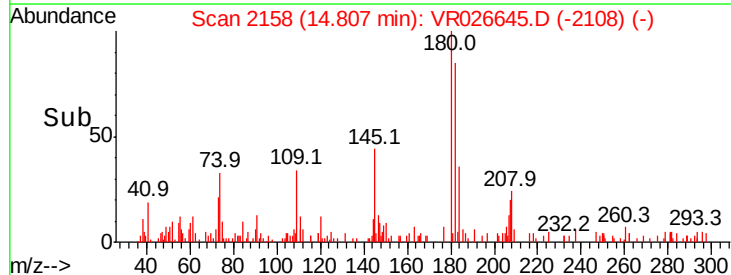
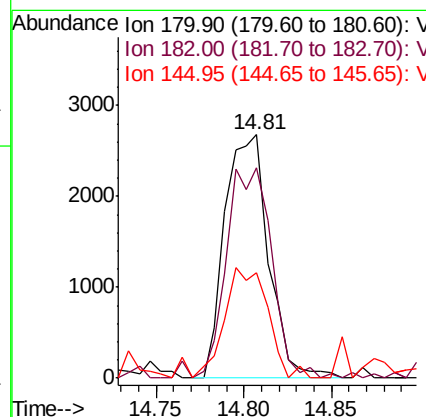
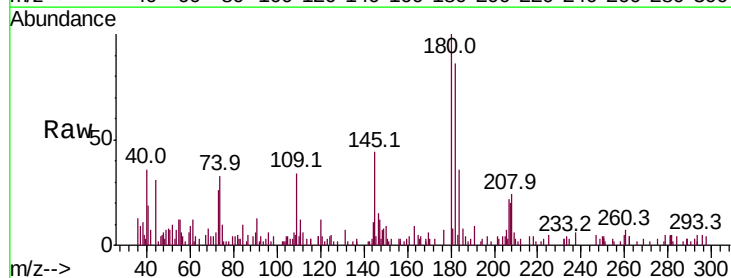
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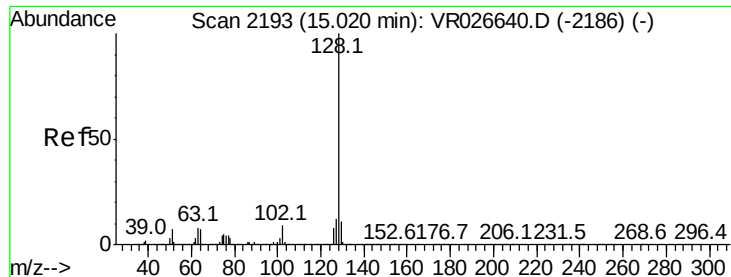
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#68
 1,2,4-trichlorobenzene
 Concen: 0.209 ug/L
 RT: 14.81 min Scan# 2158
 Delta R.T. 0.01 min
 Lab File: VR026645.D
 Acq: 17 Sep 2019 18:14

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#





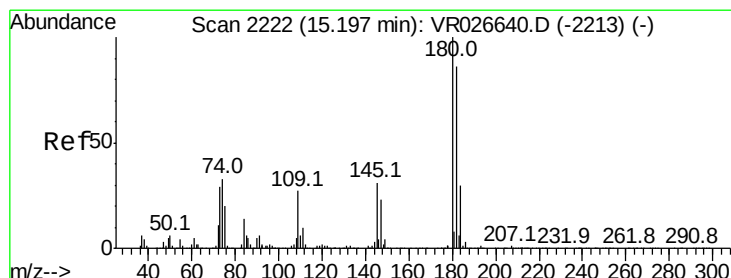
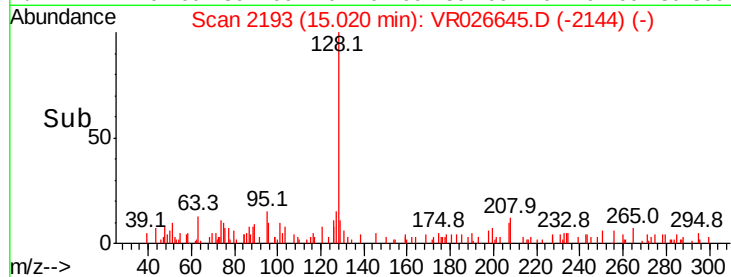
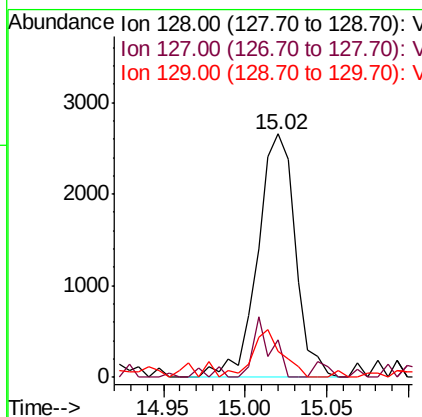
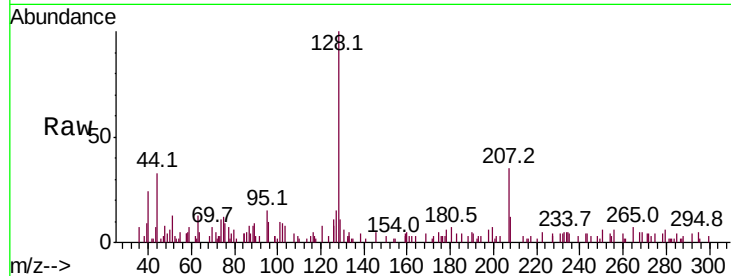
#69
Naphthalene
Concen: 0.143 ug/L
RT: 15.02 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VR026645.D
Acq: 17 Sep 2019 18:14

Instrument :
MSVOA_R
ClientSampleId :
MDL05

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

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#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

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4949		
182	103.1	76.2	114.4	
145	49.6	28.6	42.8#	

