

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101918\
 Data File : VR026147.D
 Acq On : 19 Oct 2018 13:31
 Operator : SY/MD
 Sample : MDL
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:17:27 PM

Quant Time: Oct 20 02:16:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 20 01:53:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	592068	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	497269	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	159139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	194391	3.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.00%
7) Chloroethane-d5	2.63	69	184793	4.15	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	3.60	63	371353	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	6.59	46	224541	52.78	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.56%
24) Chloroform-d	7.20	84	353571	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	7.90	65	155299	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
32) Benzene-d6	7.85	84	676956	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	8.90	67	197577	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	9.97	98	599011	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.40%
43) trans-1,3-Dichloropropene-	10.24	79	40817	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	10.59	63	174032	55.70	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.40%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76662	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	117450	4.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	10756m	0.270	ug/L	
3) Chloromethane	2.02	50	16556	0.262	ug/L	96
5) Vinyl chloride	2.17	62	16341m	0.260	ug/L	
6) Bromomethane	2.53	94	10374	0.250	ug/L	87
8) Chloroethane	2.66	64	11246	0.288	ug/L	96
9) Trichlorofluoromethane	2.94	101	22171m	0.244	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	18035	0.333	ug/L #	68
12) 1,1-Dichloroethene	3.63	96	19758	0.343	ug/L #	1
13) Acetone	3.69	43	13470	3.063	ug/L	98
14) Carbon disulfide	3.93	76	31786	0.211	ug/L #	89
15) Methyl Acetate	4.19	43	3477m	0.303	ug/L	
16) Methylene chloride	4.40	84	17661	0.338	ug/L	93
17) Methyl tert-butyl Ether	4.90	73	13306	0.255	ug/L #	78
18) trans-1,2-Dichloroethene	4.88	96	11123	0.255	ug/L	76
19) 1,1-Dichloroethane	5.70	63	21096	0.258	ug/L #	86
21) 2-Butanone	6.69	43	13378	2.637	ug/L	100
22) cis-1,2-Dichloroethene	6.67	96	10630	0.258	ug/L #	61

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

23) Bromochloromethane	7.04	128	3010	0.261	uq/L	74
25) Chloroform	7.22	83	22123	0.277	uq/L	87
27) 1,2-Dichloroethane	8.00	62	10683	0.274	uq/L #	90
29) 1,1,1-Trichloroethane	7.44	97	16613	0.244	uq/L	95
30) Cyclohexane	7.51	56	11187	0.164	uq/L #	94
31) Carbon tetrachloride	7.63	117	14328	0.232	uq/L	95
33) Benzene	7.90	78	51644	0.277	uq/L	100
34) Trichloroethene	8.71	95	13046	0.273	uq/L #	78
35) Methylcyclohexane	8.95	83	12679	0.178	uq/L #	74
37) 1,2-Dichloropropane	9.00	63	11096	0.282	uq/L #	91
38) Bromodichloromethane	9.28	83	10051	0.237	uq/L #	81
39) cis-1,3-Dichloropropene	9.72	75	10945	0.243	uq/L	98
40) 4-Methyl-2-pentanone	9.87	43	25518	2.123	uq/L #	86
42) Toluene	10.04	91	49786	0.253	uq/L	94
44) trans-1,3-Dichloropropene	10.26	75	9106	0.289	uq/L	98
45) 1,1,2-Trichloroethane	10.45	97	5518	0.332	uq/L #	83
47) Tetrachloroethene	10.52	164	7463	0.219	uq/L	90
48) 2-Hexanone	10.63	43	20545	2.617	uq/L #	96
49) Dibromochloromethane	10.78	129	4150	0.222	uq/L	84
50) 1,2-Dibromoethane	10.88	107	3386	0.236	uq/L	84
51) Chlorobenzene	11.31	112	26896	0.247	uq/L	98
52) Ethylbenzene	11.39	91	47949	0.212	uq/L	97
53) m,p-Xylene	11.50	106	16375	0.198	uq/L	95
54) o-Xylene	11.83	106	13638	0.180	uq/L	91
55) Styrene	11.84	104	19176	0.165	uq/L	97
56) Isopropylbenzene	12.13	105	34896	0.166	uq/L	96
58) 1,1,2,2-Tetrachloroethane	12.39	83	4838	0.287	uq/L	95
59) 1,2,3-Trichloropropane	12.43	75	3211	0.259	uq/L	93
61) Bromoform	12.01	173	1111m	0.201	uq/L	
62) 1,3-Dichlorobenzene	13.16	146	10969	0.207	uq/L	85
63) 1,4-Dichlorobenzene	13.24	146	14820	0.271	uq/L	91
65) 1,2-Dichlorobenzene	13.53	146	12001	0.283	uq/L	95
66) 1,2-Dibromo-3-chloropropan	14.15	75	615	0.356	uq/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	7758	0.241	uq/L #	92
68) 1,2,4-trichlorobenzene	14.78	180	4627	0.246	uq/L	96
69) Naphthalene	15.00	128	2956	0.162	uq/L #	89
70) 1,2,3-Trichlorobenzene	15.17	180	3160	0.242	uq/L #	90

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

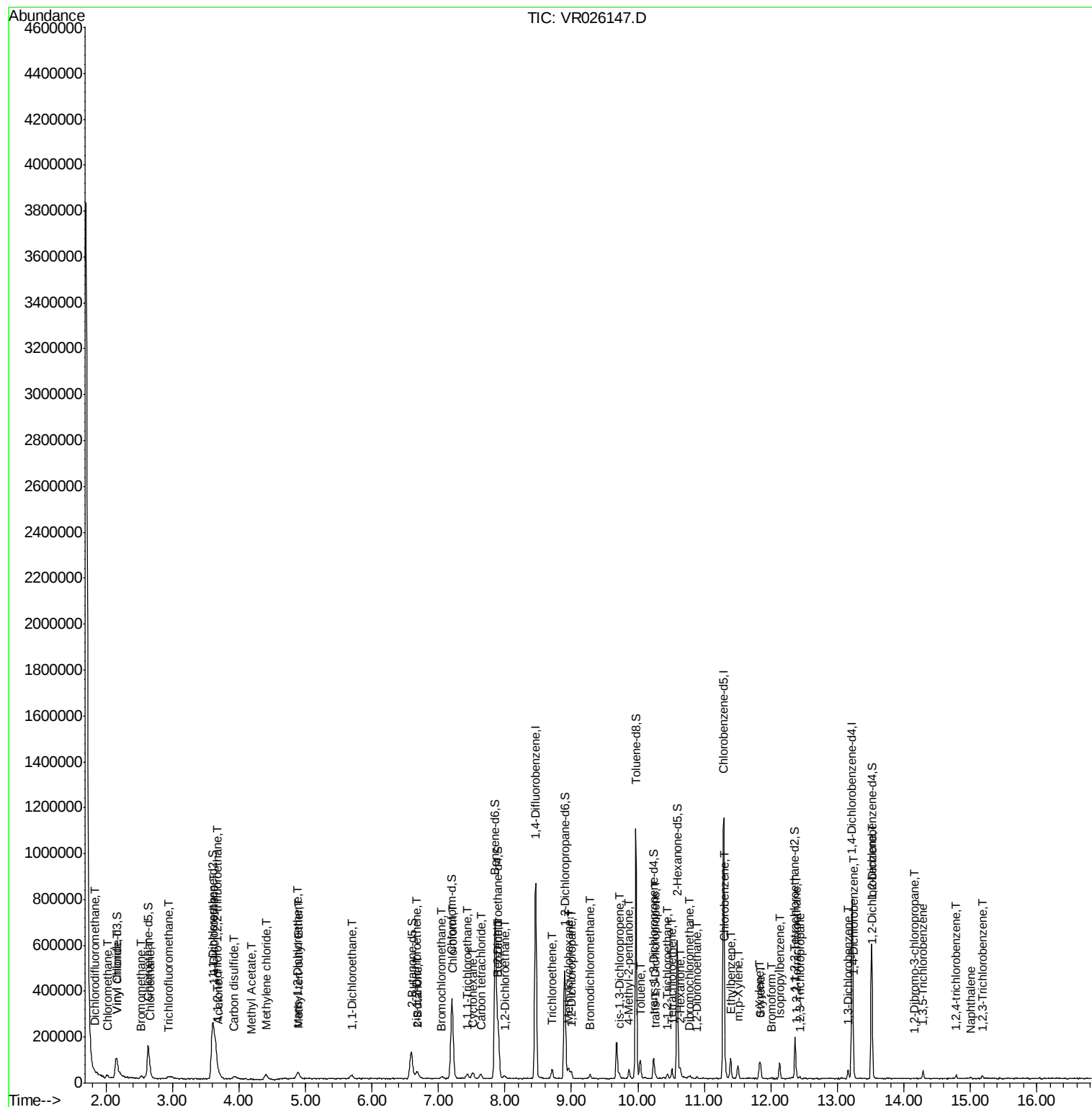
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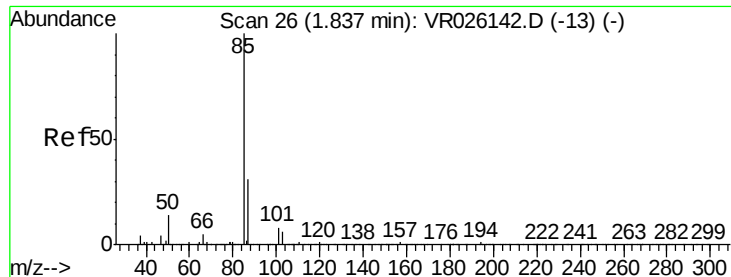
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#2

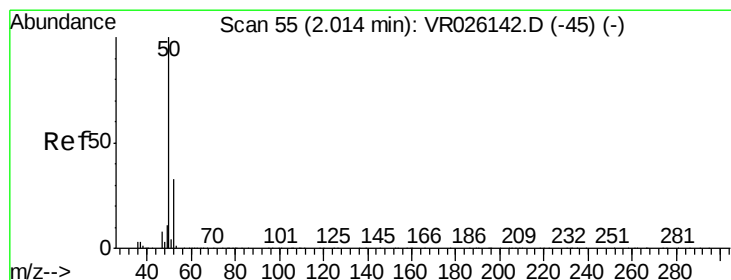
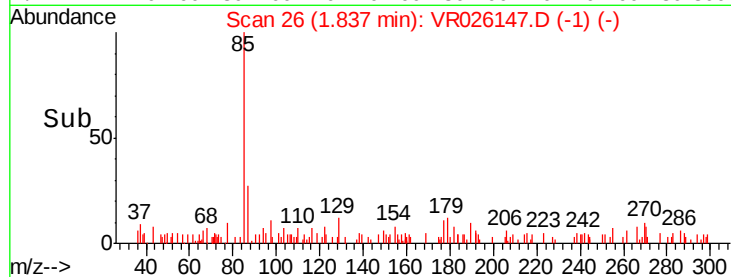
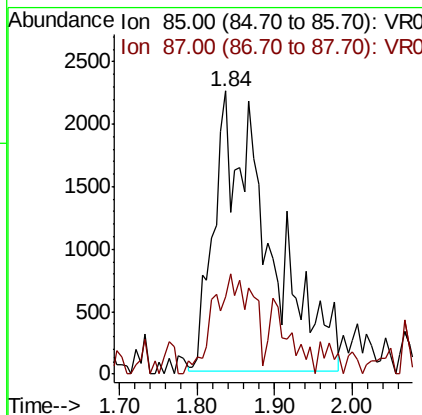
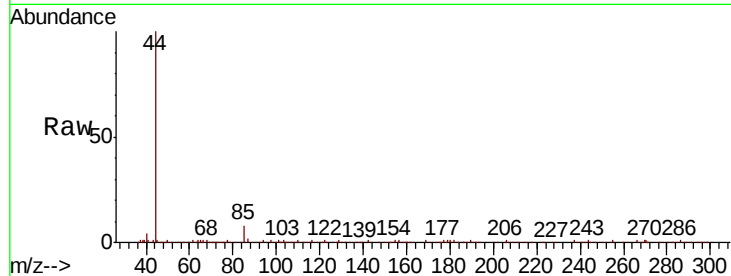
Dichlorodifluoromethane
 Concen: 0.270 ug/L m
 RT: 1.84 min Scan# 26
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	85	Resp	10756
Ion Ratio	100	Lower	Upper
85	100		
87	19.5	23.4	35.2#

Manual Integrations
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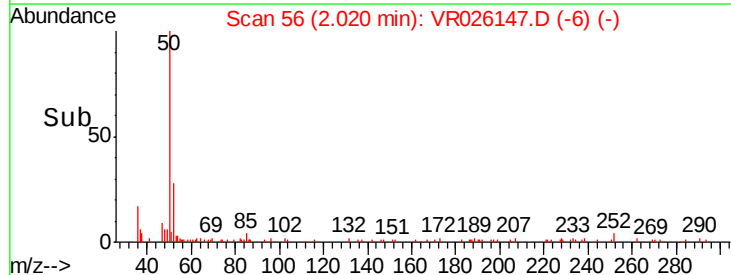
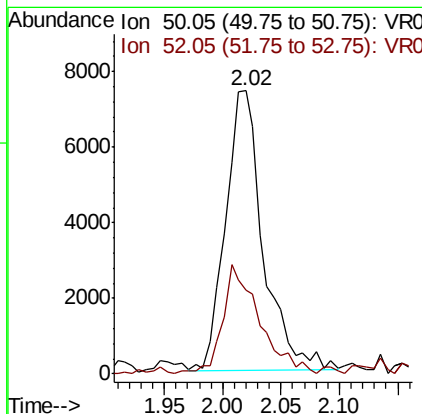
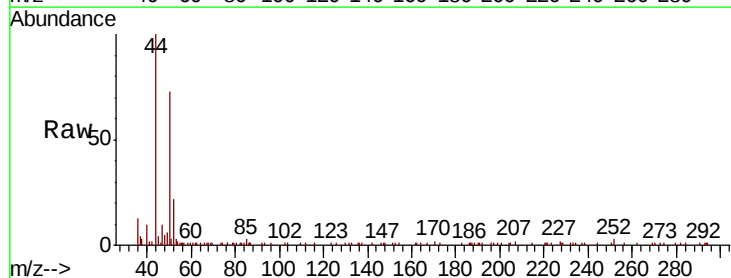
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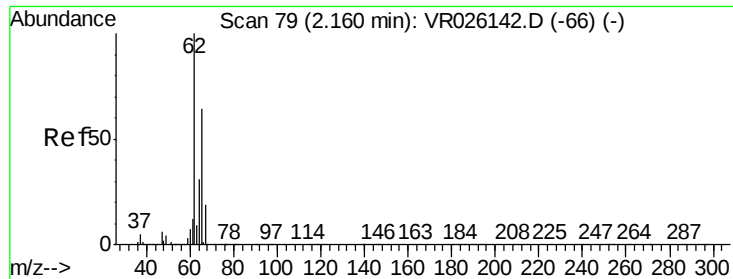


#3

Chloromethane
 Concen: 0.262 ug/L
 RT: 2.02 min Scan# 56
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	50	Resp	16556
Ion Ratio	100	Lower	Upper
50	100		
52	29.4	22.0	40.8





#5

Vinyl chloride

Concen: 0.260 ug/L m

RT: 2.17 min Scan# 80

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampled :

MDL

Tot Ion: 62 Resp: 16341

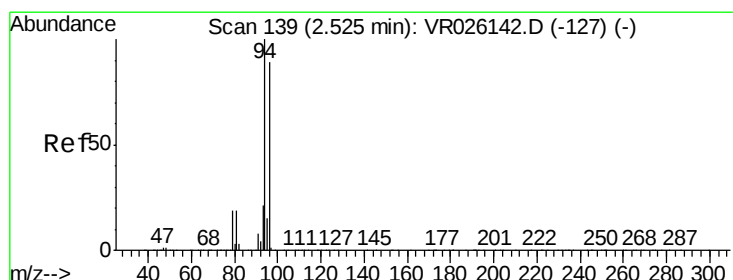
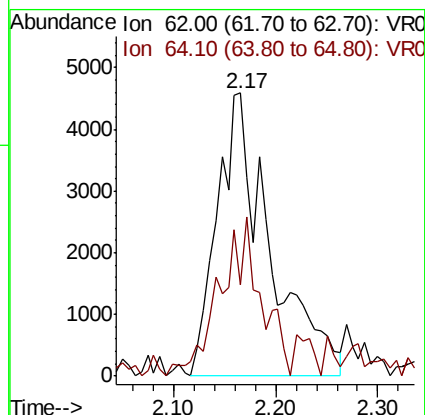
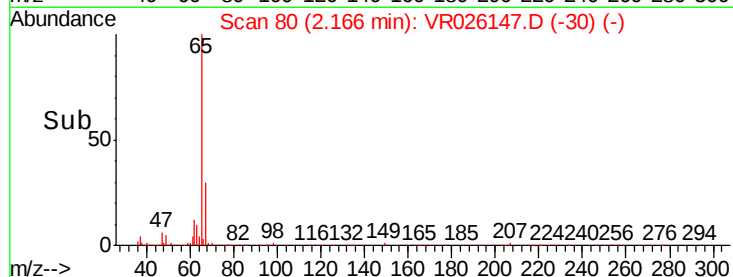
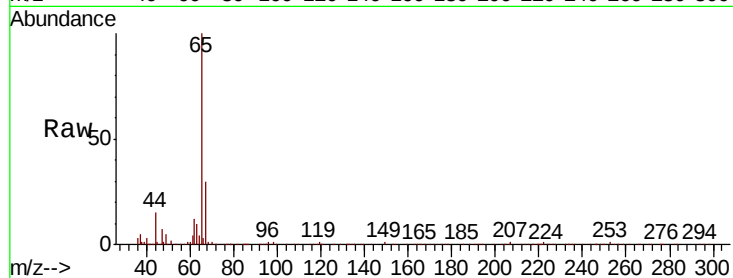
Ion Ratio Lower Upper

62 100

64 32.5 23.9 44.3

Manual Integrations
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#6

Bromomethane

Concen: 0.250 ug/L

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026147.D

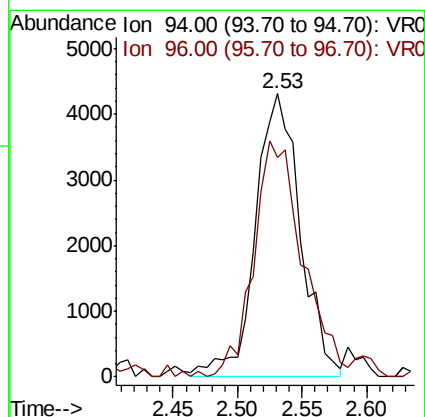
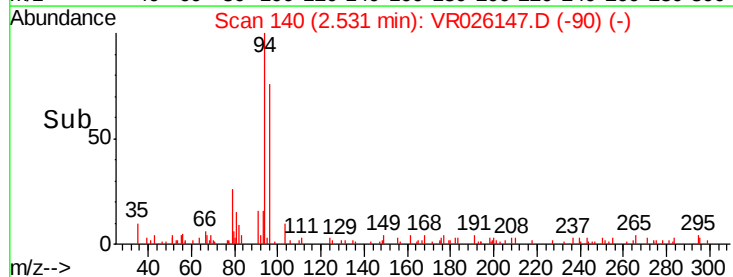
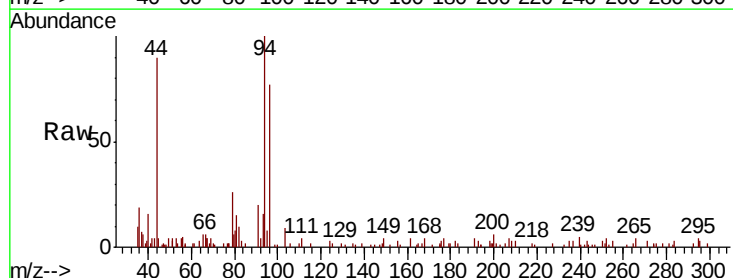
Acq: 19 Oct 2018 13:31

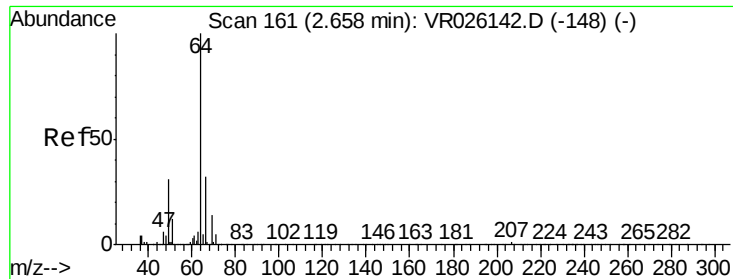
Tgt Ion: 94 Resp: 10374

Ion Ratio Lower Upper

94 100

96 77.4 62.5 116.1





#8

Chloroethane

Concen: 0.288 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

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Tot Ion: 64 Resp: 11246

Ion Ratio Lower Upper

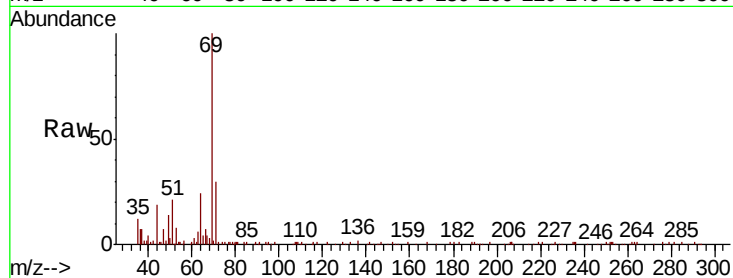
64 100

66 29.3 22.0 40.8

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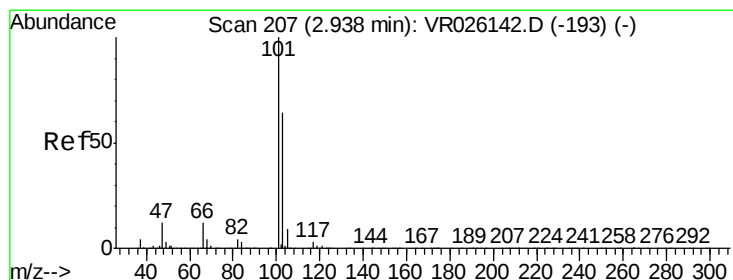
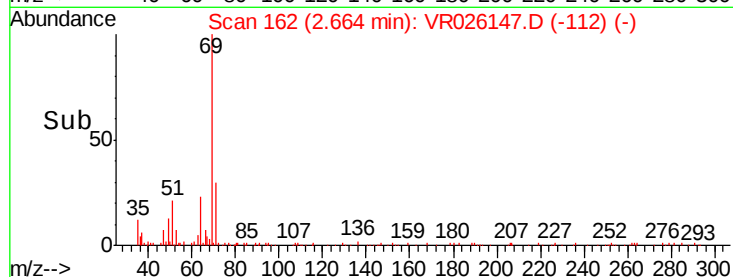
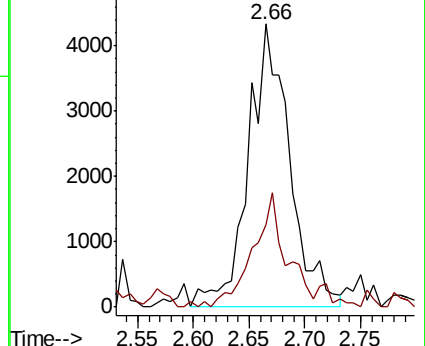
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Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 0.244 ug/L m

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026147.D

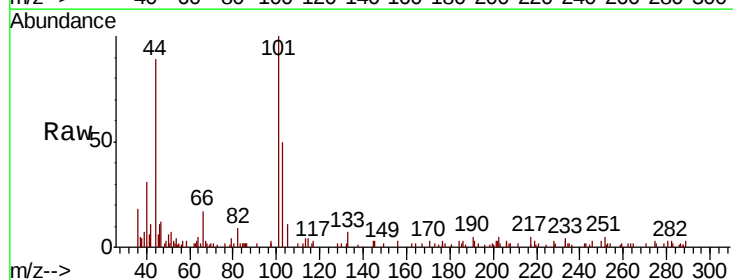
Acq: 19 Oct 2018 13:31

Tgt Ion: 101 Resp: 22171

Ion Ratio Lower Upper

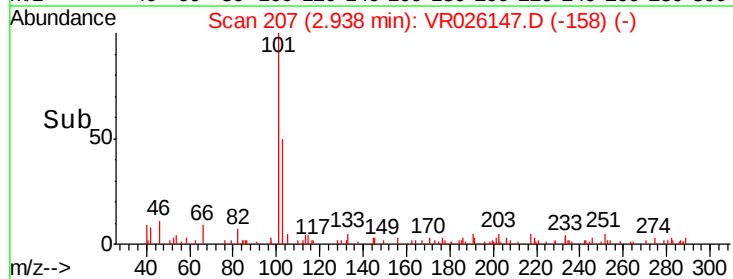
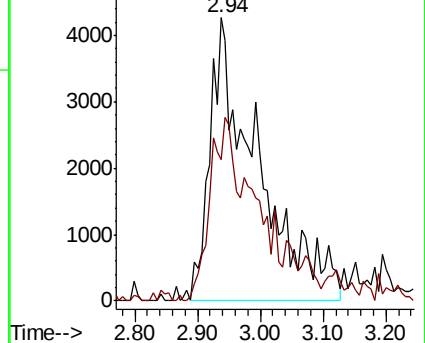
101 100

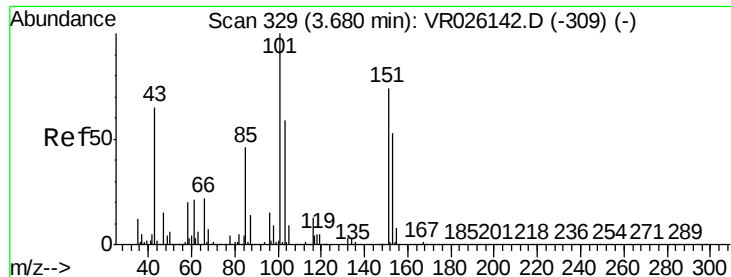
103 35.2 26.0 39.0



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: 0.333 ug/L

RT: 3.69 min Scan# 330

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

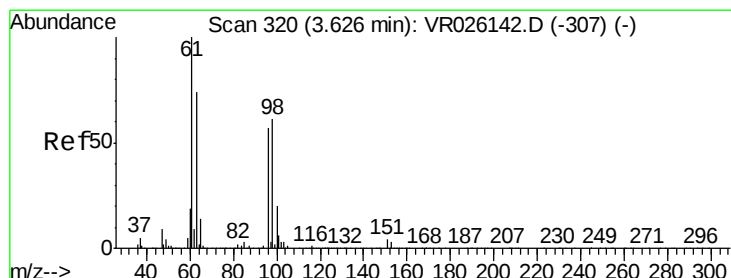
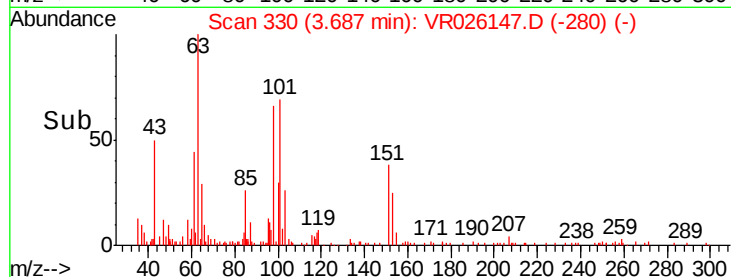
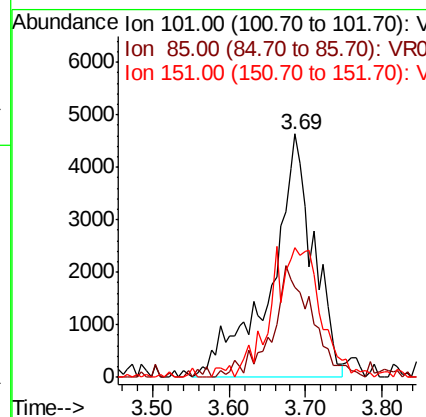
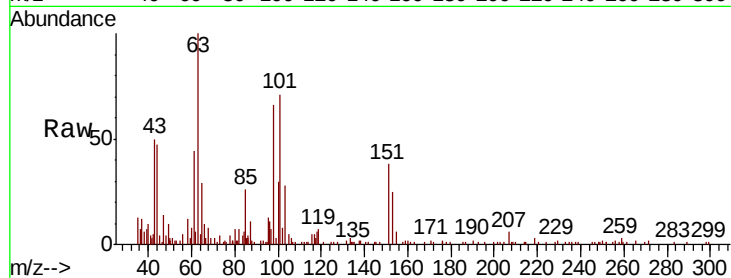
ClientSampleId :

MDL

Tot Ion:	101	Resp:	18035
Ion Ratio	Lower	Upper	
101	100		
85	42.5	37.8	56.8
151	38.5	63.2	94.8#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.343 ug/L

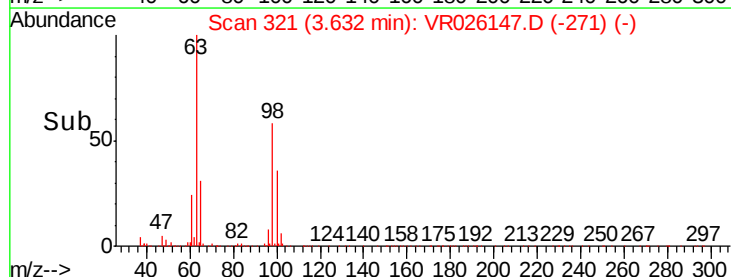
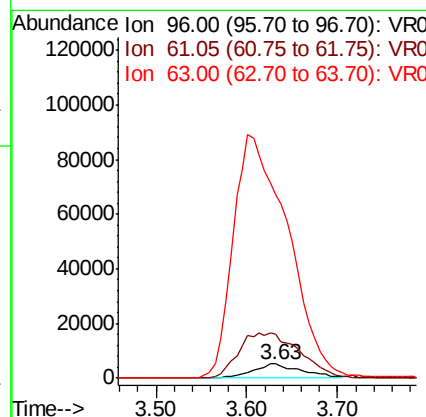
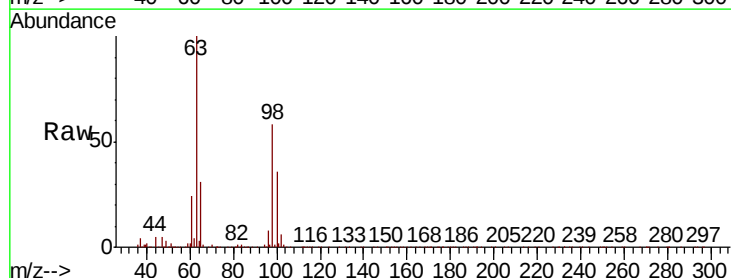
RT: 3.63 min Scan# 321

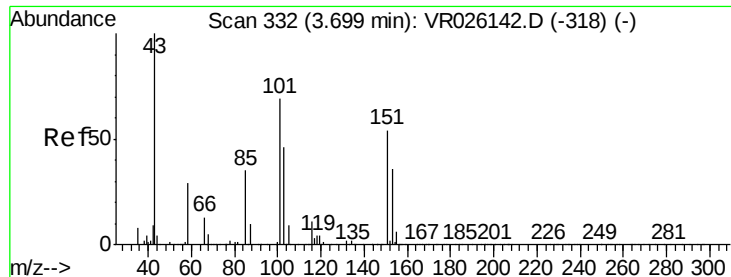
Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion:	96	Resp:	19758
Ion Ratio	Lower	Upper	
96	100		
61	306.4	126.7	235.3#
63	1272.9	125.0	232.2#





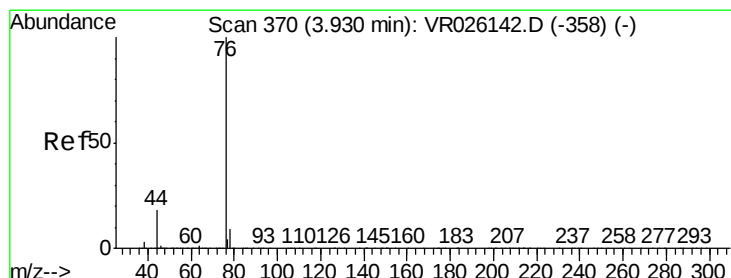
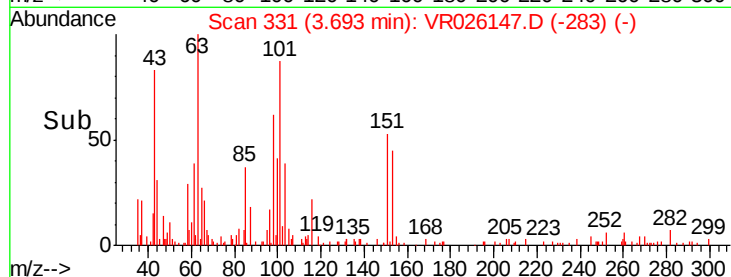
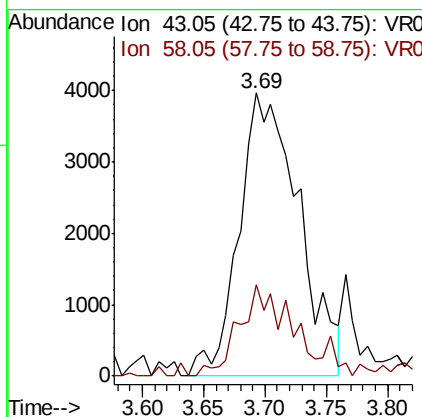
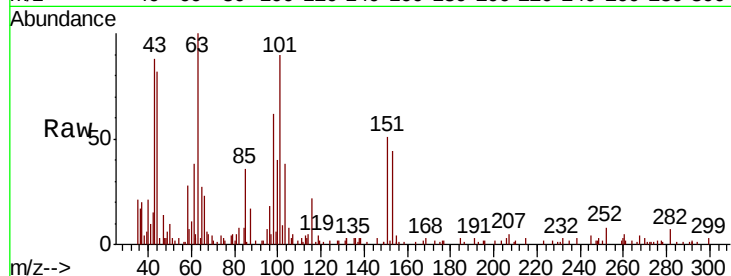
#13
Acetone
Concen: 3.063 ug/L
RT: 3.69 min Scan# 331
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
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Tot Ion: 43 Resp: 13470
Ion Ratio Lower Upper
43 100
58 26.6 0.0 55.4

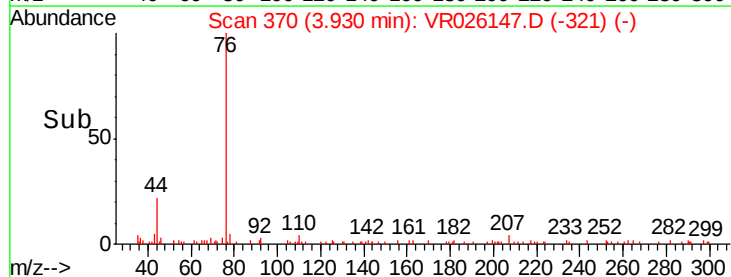
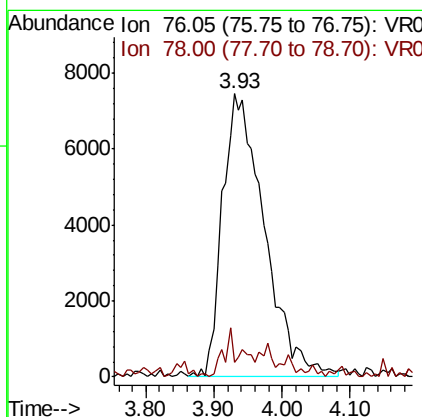
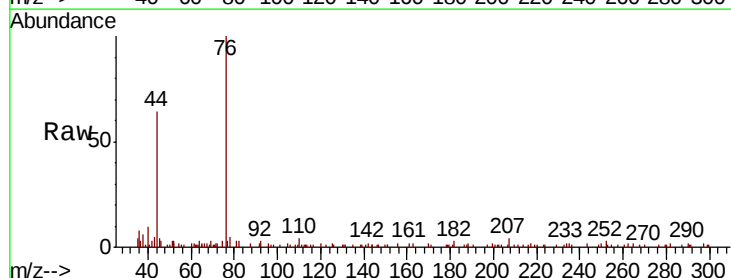
Manual Integrations
APPROVED

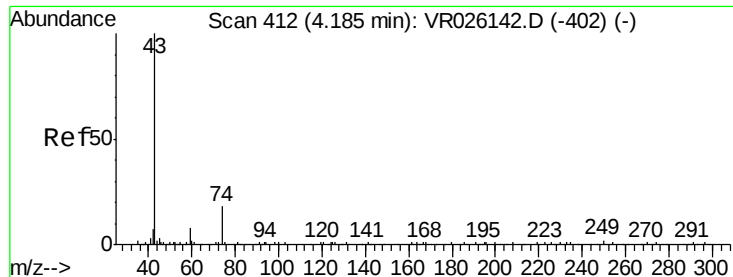
MMDadoda
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#14
Carbon disulfide
Concen: 0.211 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 76 Resp: 31786
Ion Ratio Lower Upper
76 100
78 5.4 7.6 11.4#





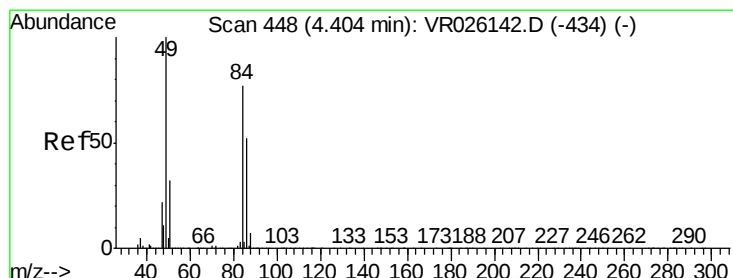
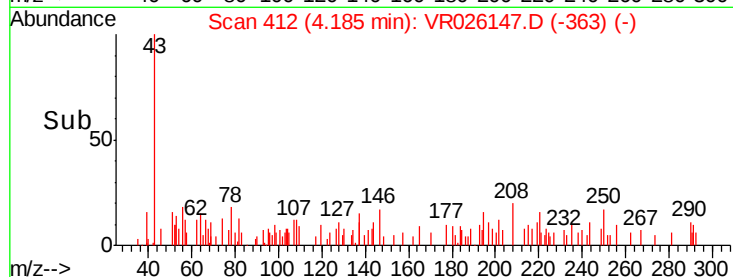
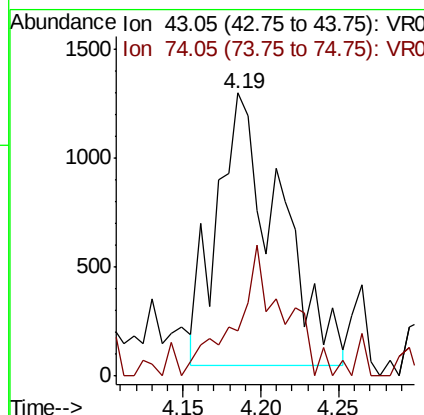
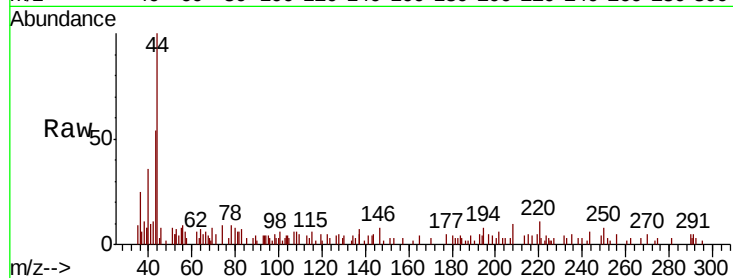
#15
Methyl Acetate
Concen: 0.303 ug/L m
RT: 4.19 min Scan# 412
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion: 43 Resp: 3477
Ion Ratio Lower Upper
43 100
74 37.0 19.8 29.8#

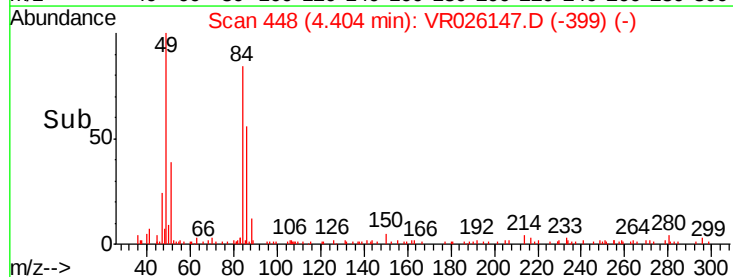
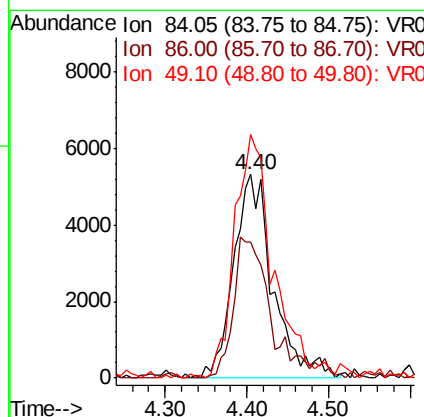
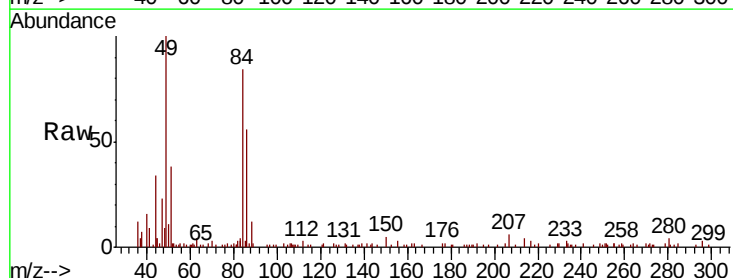
Manual Integrations
APPROVED

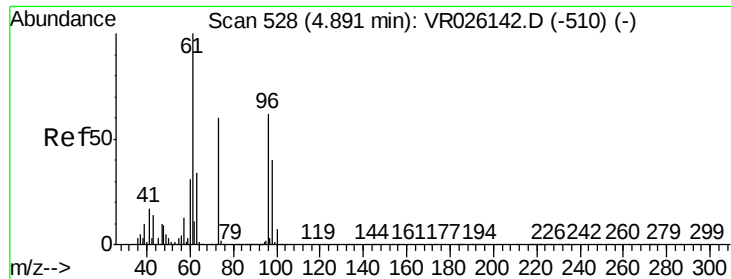
MMDadoda
10/24/2018 12:17:27 PM



#16
Methylene chloride
Concen: 0.338 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion: 84 Resp: 17661
Ion Ratio Lower Upper
84 100
86 66.6 43.0 79.8
49 119.4 89.1 165.5





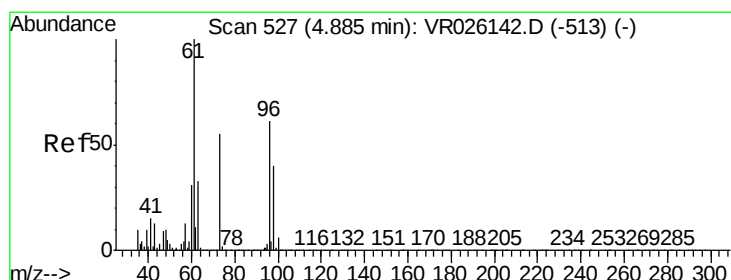
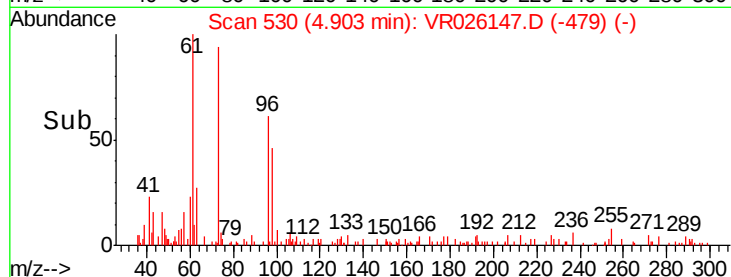
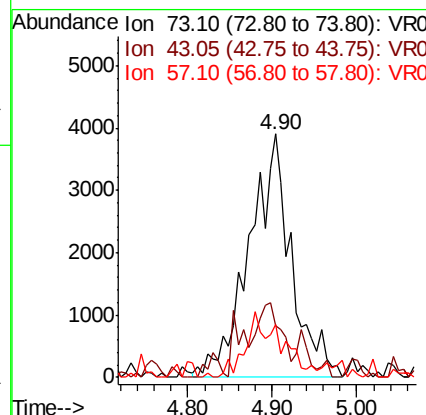
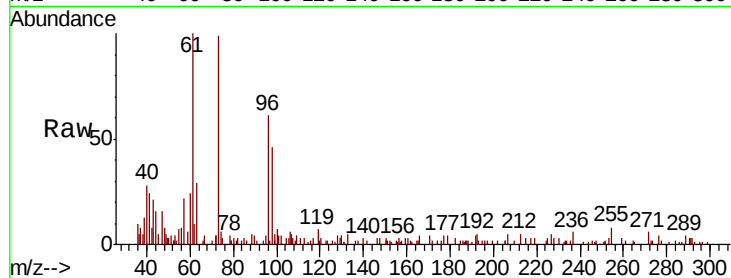
#17
Methvl tert-butvl Ether
Concen: 0.255 ug/L
RT: 4.90 min Scan# 530
Delta R.T. 0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
73	100		
43	15.5	20.1	30.1#
57	11.2	19.0	28.4#

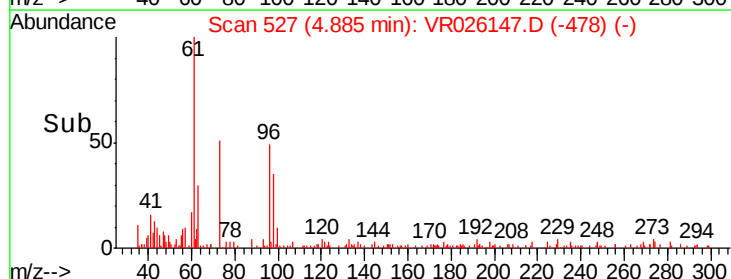
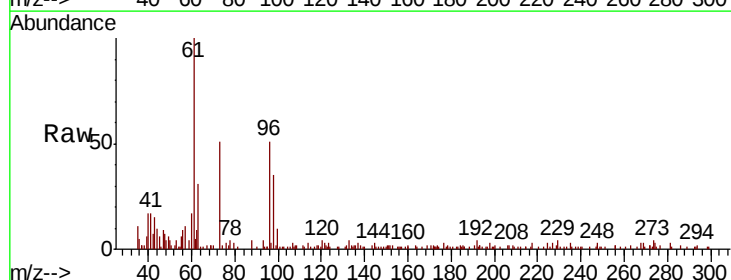
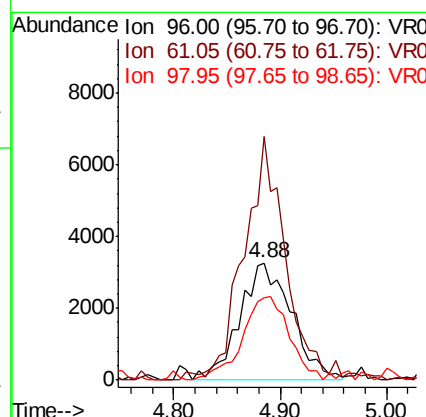
Manual Integrations
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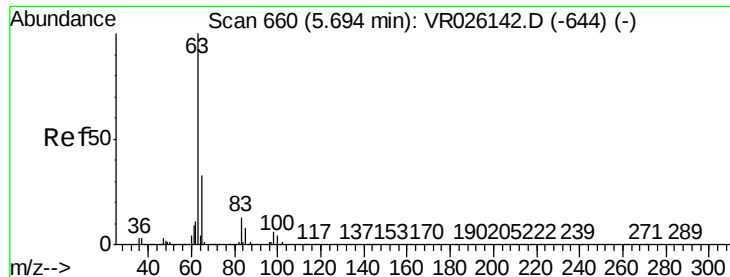
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 0.255 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.3	111.4	206.8
98	66.2	41.4	77.0





#19

1,1-Dichloroethane

Concen: 0.258 ug/L

RT: 5.70 min Scan# 661

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

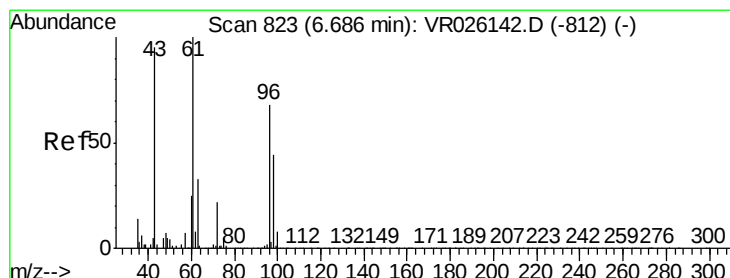
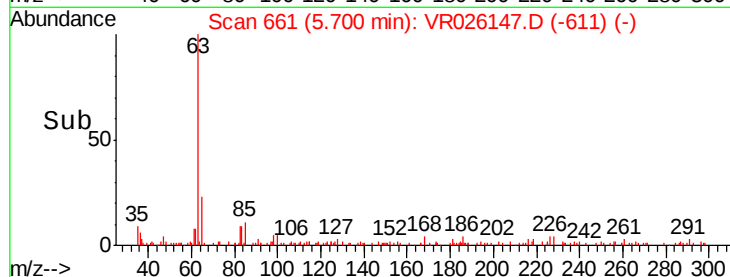
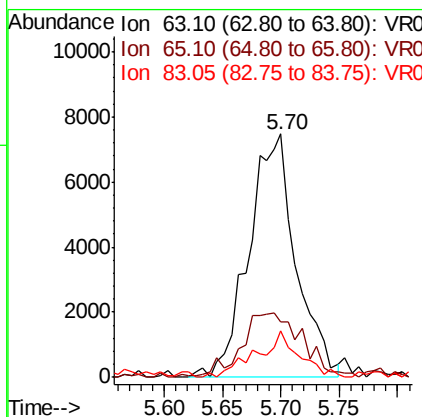
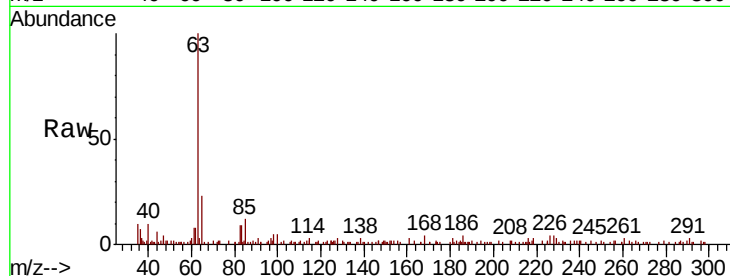
ClientSampled :

MDL

Tot Ion:	63	Resp:	21096
Ion Ratio	Lower	Upper	
63	100		
65	22.4	21.2	39.4
83	18.4	9.2	17.2#

Manual Integrations
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#21

2-Butanone

Concen: 2.637 ug/L

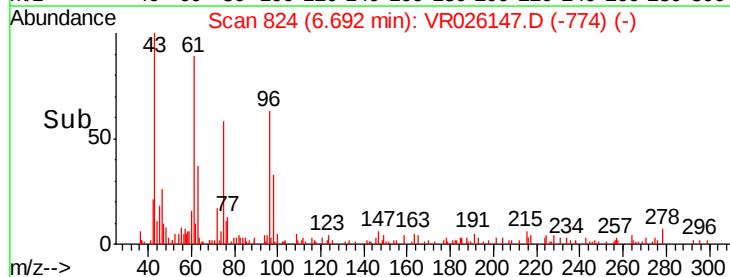
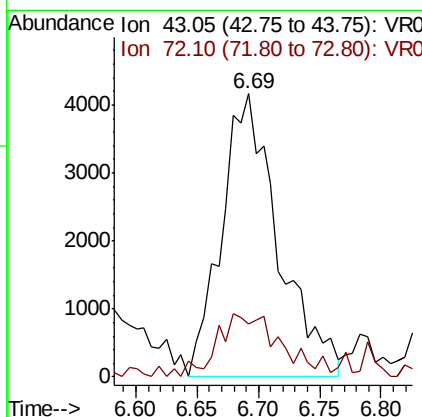
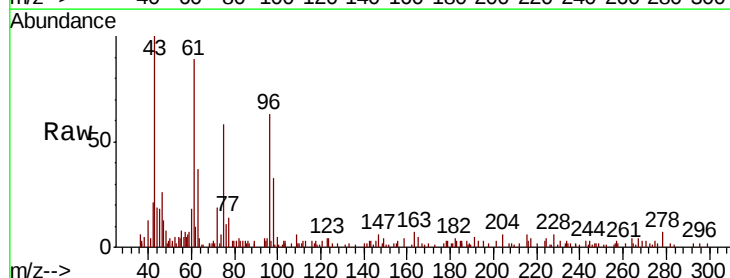
RT: 6.69 min Scan# 824

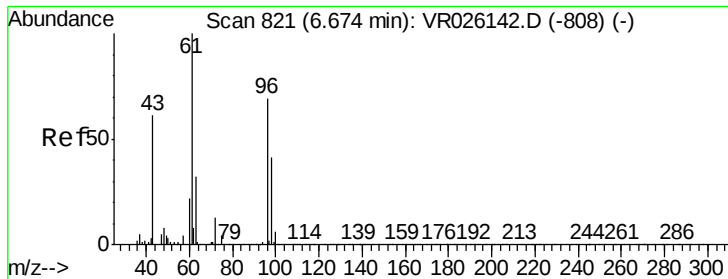
Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion:	43	Resp:	13378
Ion Ratio	Lower	Upper	
43	100		
72	24.3	12.3	36.8





#22

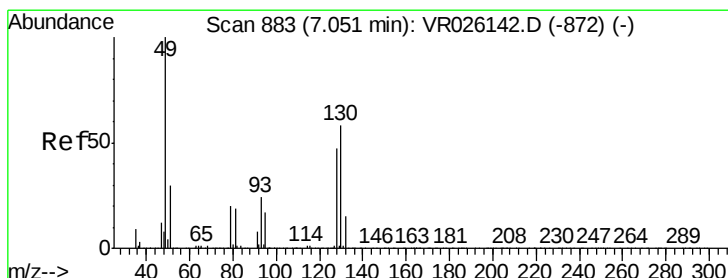
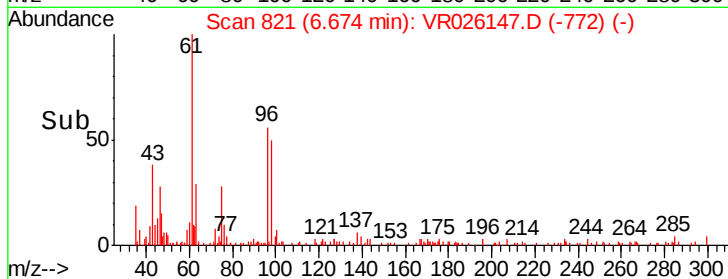
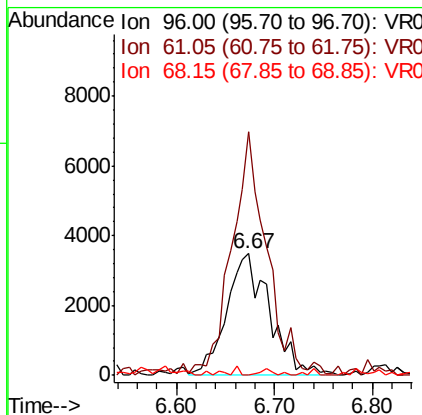
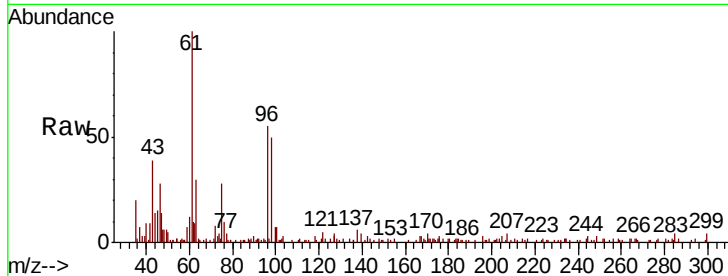
cis-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 6.67 min Scan# 821
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.6	101.8	189.0#
68	0.0	0.1	0.3#

Manual Integrations
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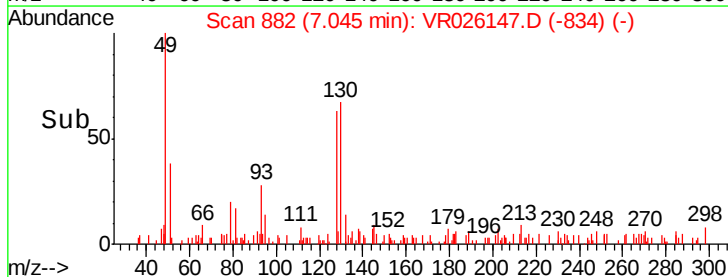
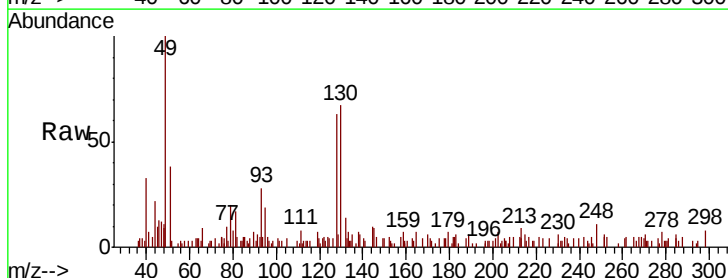
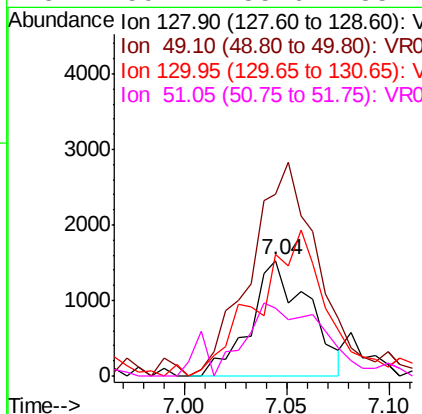
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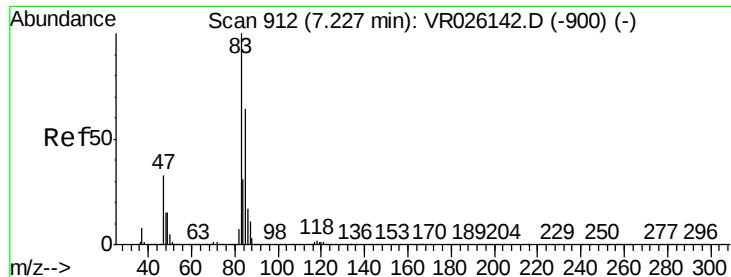


#23

Bromochloromethane
Concen: 0.261 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.0	146.2	271.4
130	105.9	92.5	171.7
51	59.4	55.6	83.4





#25

Chloroform

Concen: 0.277 ug/L

RT: 7.22 min Scan# 911

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 83 Resp: 22123

Ion Ratio Lower Upper

83 100

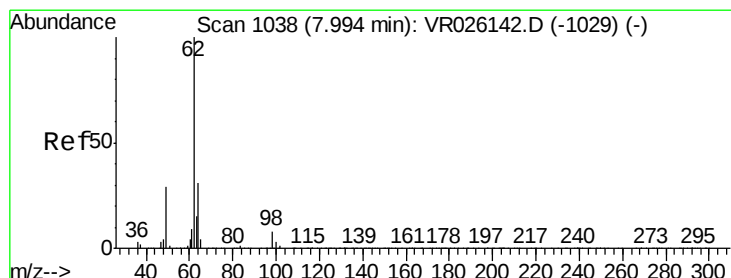
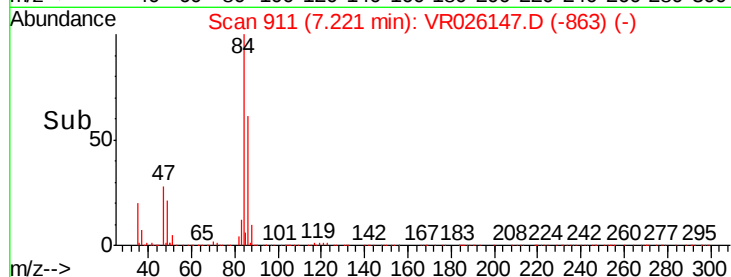
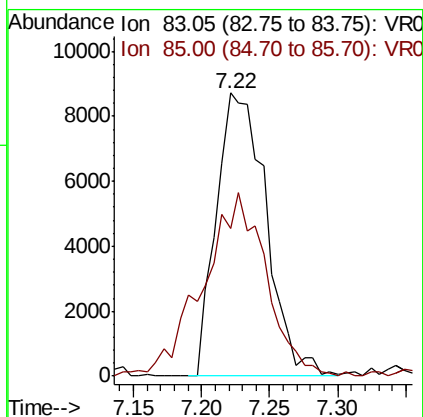
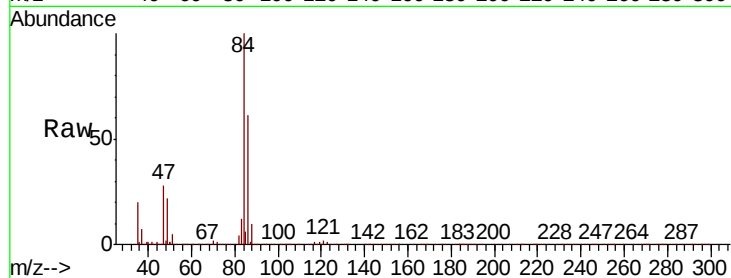
85 52.3 43.5 80.7

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 0.274 ug/L

RT: 8.00 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VR026147.D

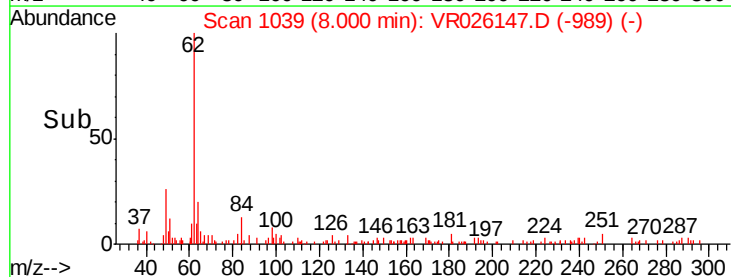
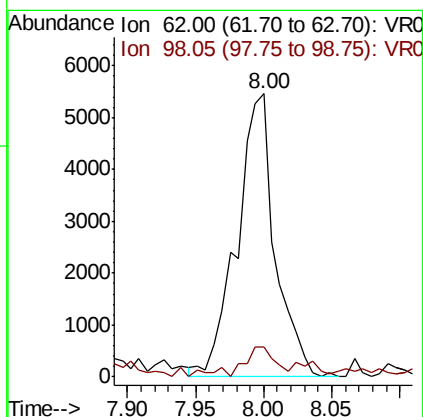
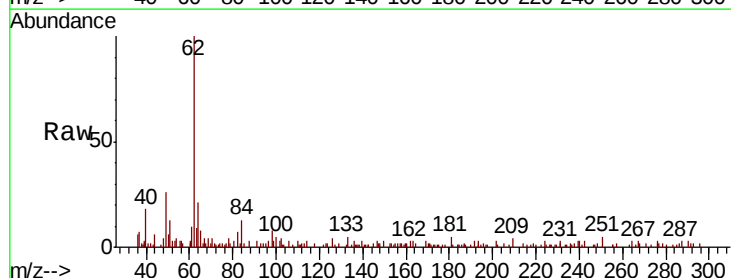
Acq: 19 Oct 2018 13:31

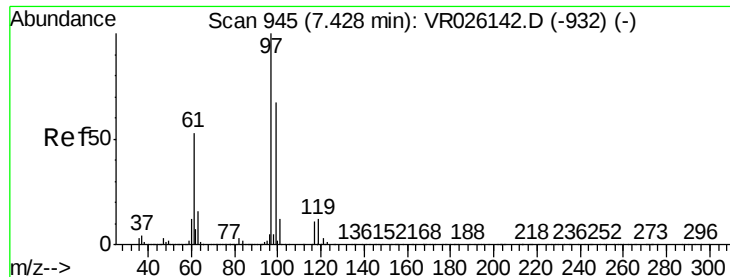
Tgt Ion: 62 Resp: 10683

Ion Ratio Lower Upper

62 100

98 10.5 5.6 8.4#





#29

1,1,1-Trichloroethane

Concen: 0.244 ug/L

RT: 7.44 min Scan# 947

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

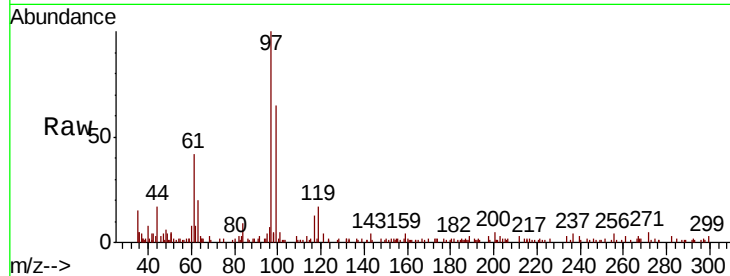
ClientSampled :

MDL

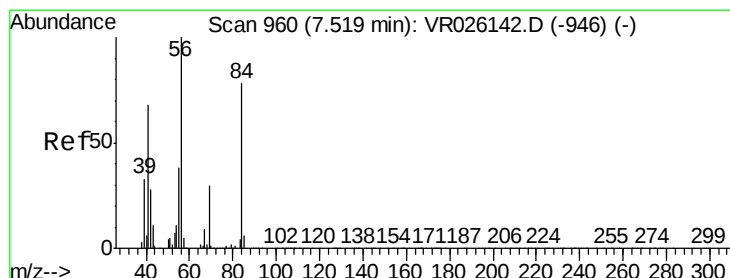
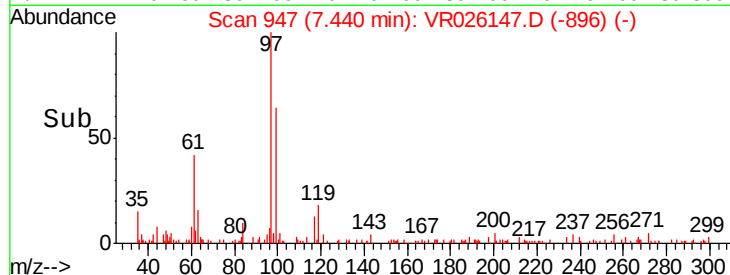
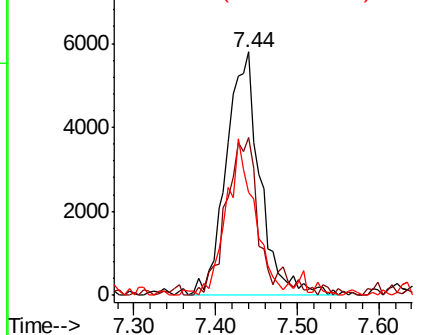
Tot Ion:	97	Resp:	16613
Ion Ratio	Lower	Upper	
97	100		
99	58.2	51.1	76.7
61	54.4	42.1	63.1

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



#30

Cyclohexane

Concen: 0.164 ug/L

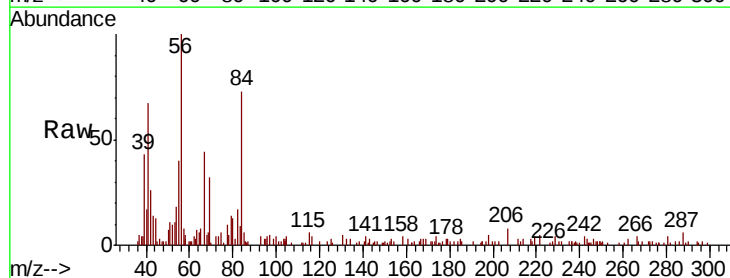
RT: 7.51 min Scan# 959

Delta R.T. -0.01 min

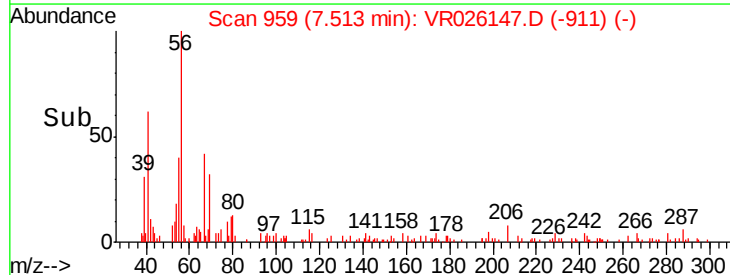
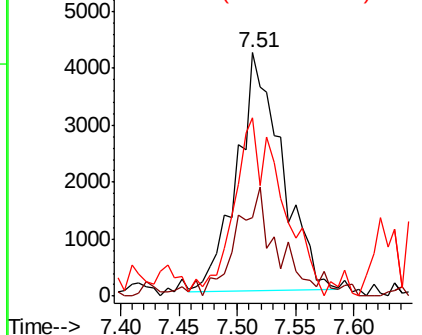
Lab File: VR026147.D

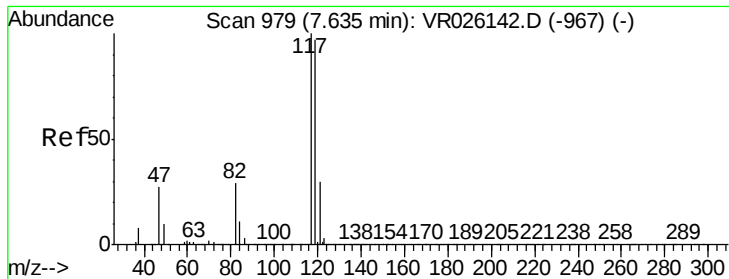
Acq: 19 Oct 2018 13:31

Tgt Ion:	56	Resp:	11187
Ion Ratio	Lower	Upper	
56	100		
69	36.9	23.8	35.8#
84	80.9	62.2	93.4



Abundance Ion 56.10 (55.80 to 56.80): VR0
Ion 69.15 (68.85 to 69.85): VR0
Ion 84.15 (83.85 to 84.85): VR0





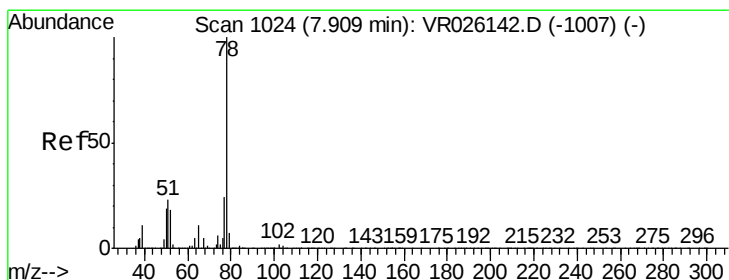
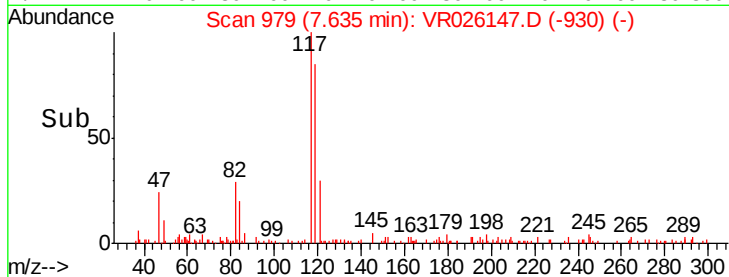
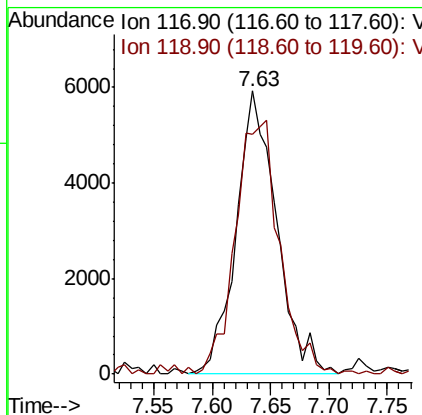
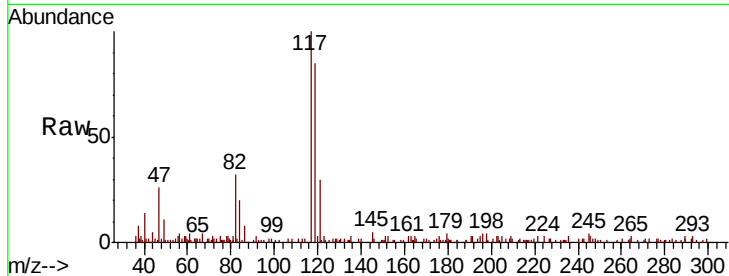
#31
Carbon tetrachloride
Concen: 0.232 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampleId :
MDL

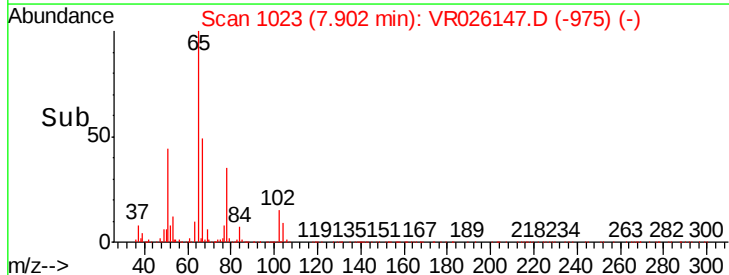
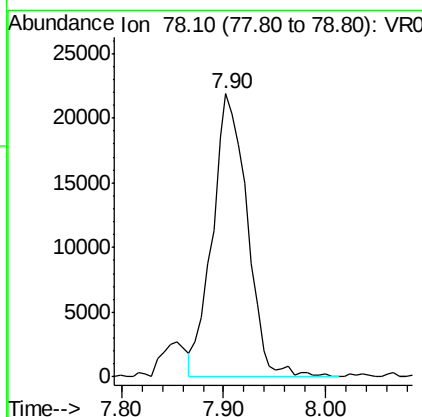
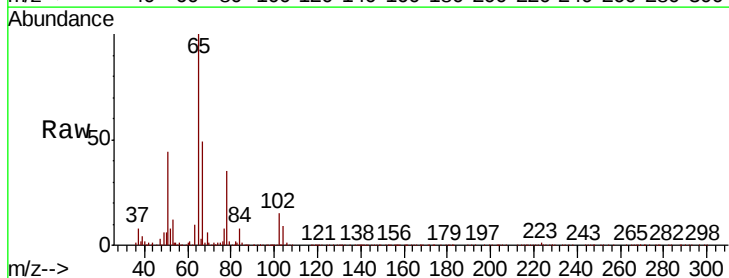
Tot Ion:117 Resp: 14328
Ion Ratio Lower Upper
117 100
119 97.7 74.2 111.2

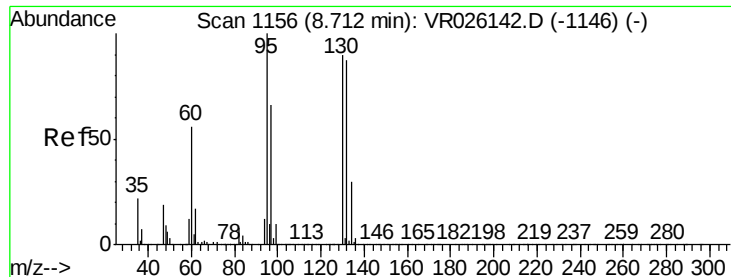
Manual Integrations
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#33
Benzene
Concen: 0.277 ug/L
RT: 7.90 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31
Tgt Ion: 78 Resp: 51644





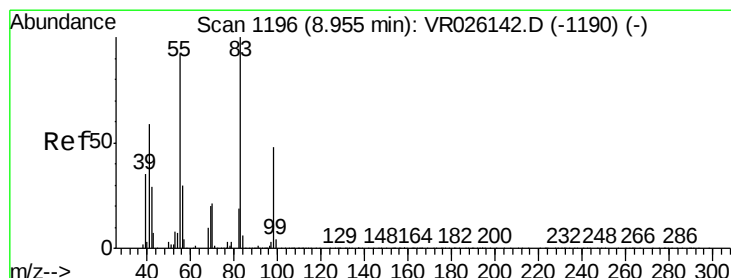
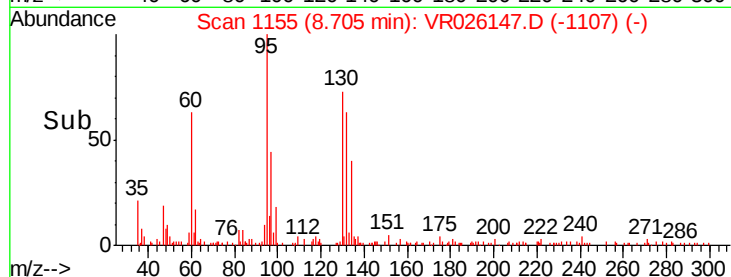
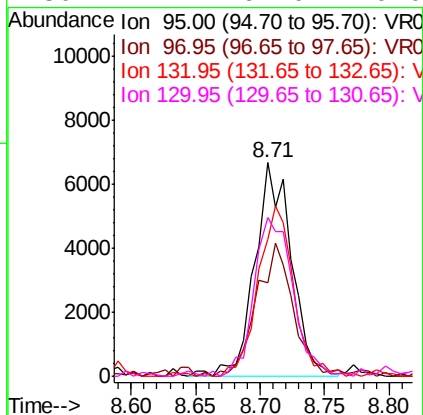
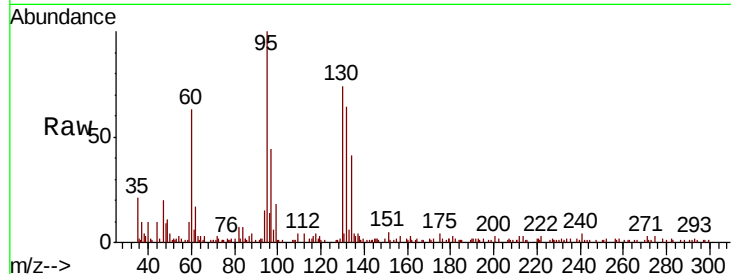
#34
 Trichloroethene
 Concen: 0.273 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampleID :
 MDL

Tot Ion	95	Resp:	13046
Ion	Ratio	Lower	Upper
95	100		
97	43.6	45.7	84.9#
132	64.1	58.3	108.3
130	74.2	64.0	119.0

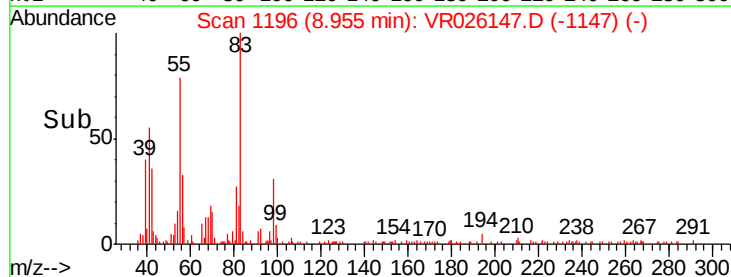
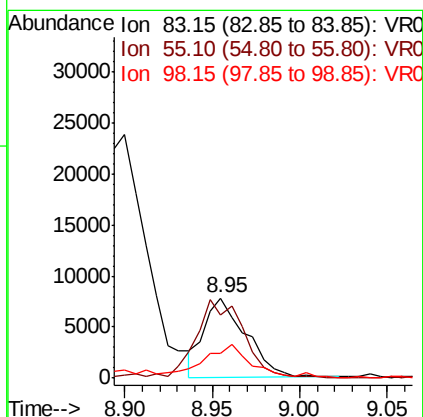
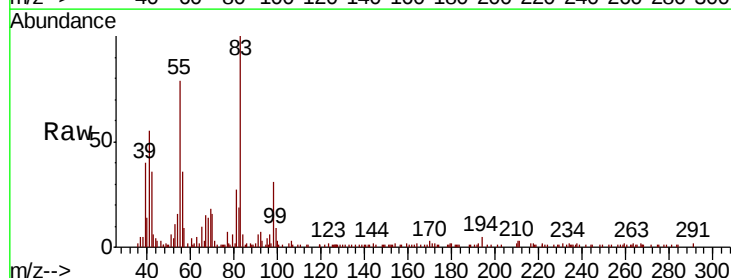
Manual Integrations
 APPROVED

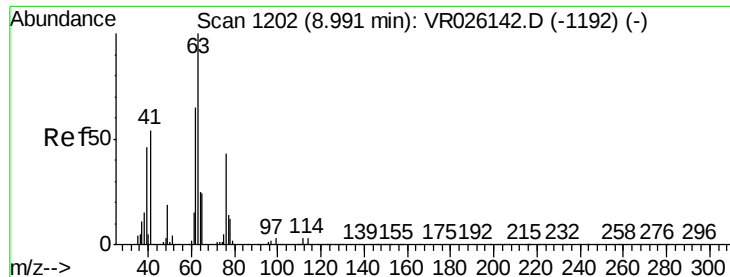
MMDadoda
 10/24/2018 12:17:27 PM



#35
 Methylcyclohexane
 Concen: 0.178 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	83	Resp:	12679
Ion	Ratio	Lower	Upper
83	100		
55	115.5	66.8	100.2#
98	49.0	35.2	52.8





#37

1,2-Dichloropropane

Concen: 0.282 ug/L

RT: 9.00 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

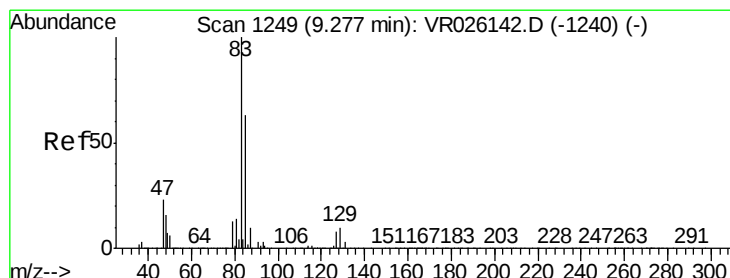
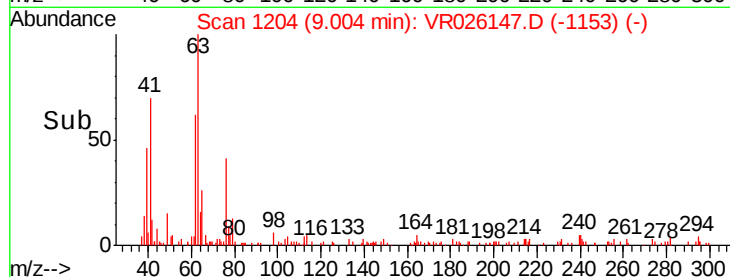
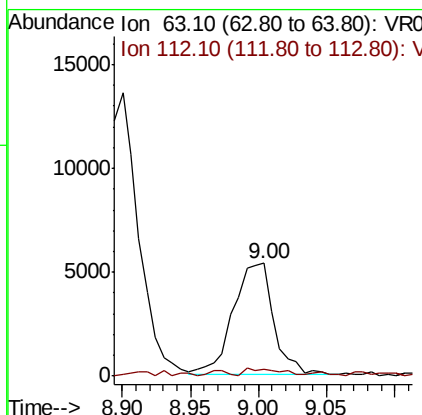
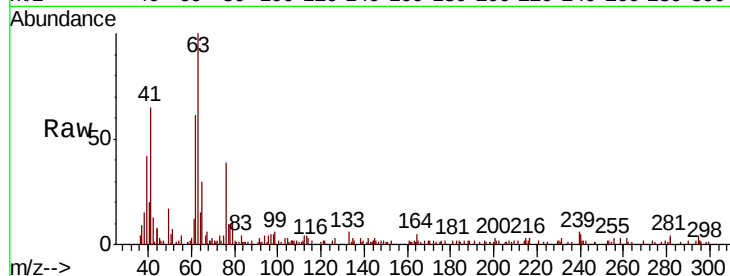
Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion: 63 Resp: 11096

Ion	Ratio	Lower	Upper
63	100		
112	6.3	2.7	4.1#

Manual Integrations
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#38

Bromodichloromethane

Concen: 0.237 ug/L

RT: 9.28 min Scan# 1250

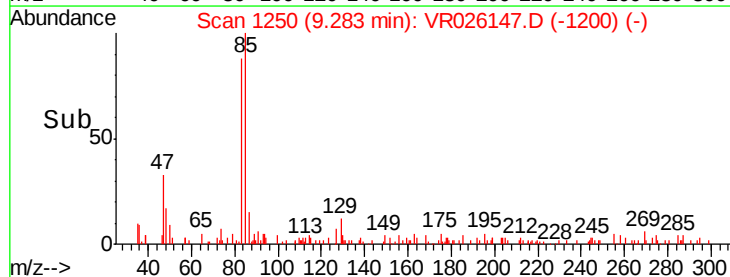
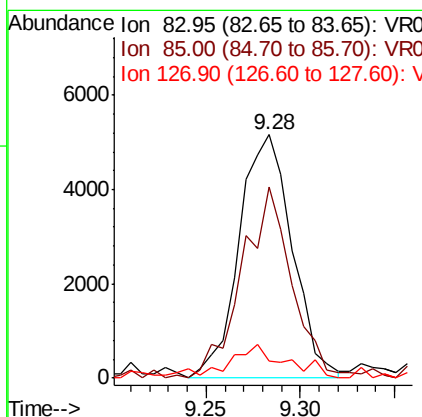
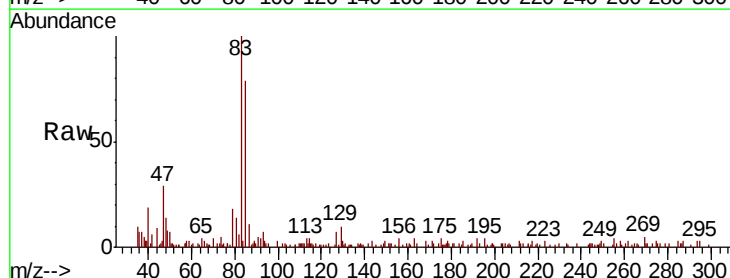
Delta R.T. 0.01 min

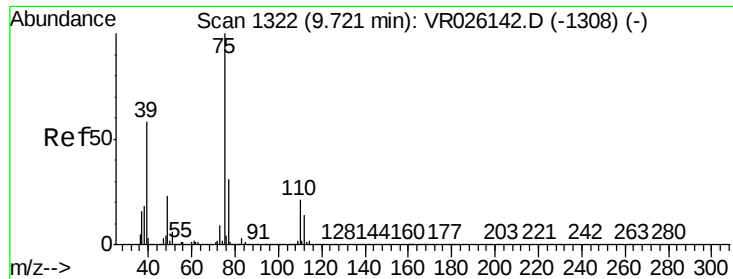
Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion: 83 Resp: 10051

Ion	Ratio	Lower	Upper
83	100		
85	78.6	43.5	80.7
127	6.8	7.0	10.6#





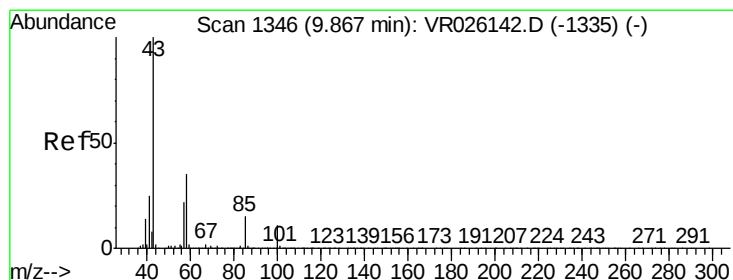
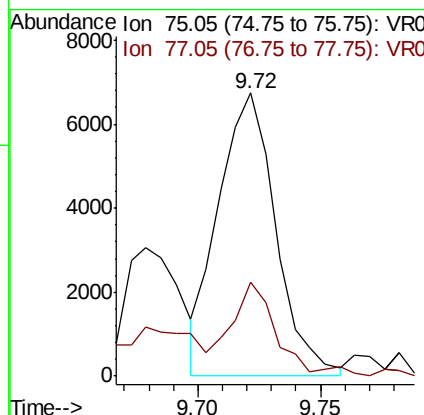
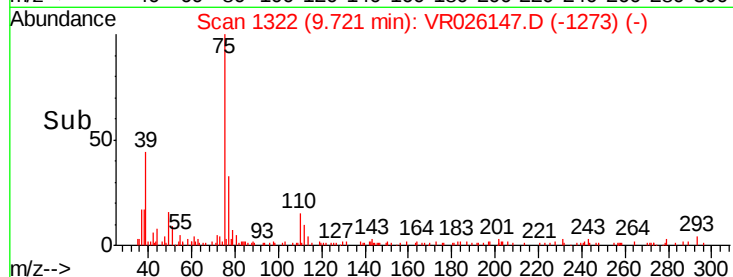
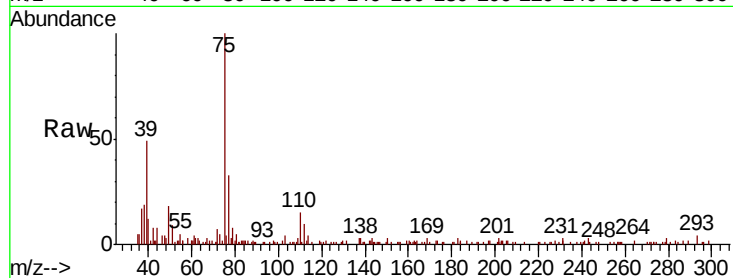
#39
 cis-1,3-Dichloropropene
 Concen: 0.243 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampleID :
 MDL

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	22.7	42.1

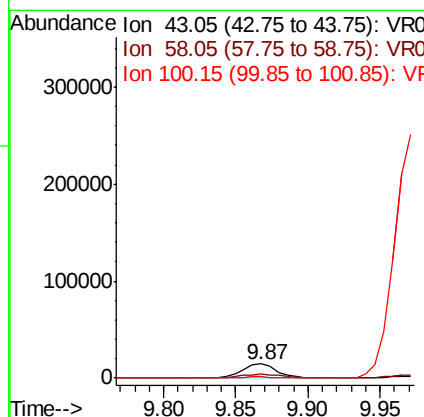
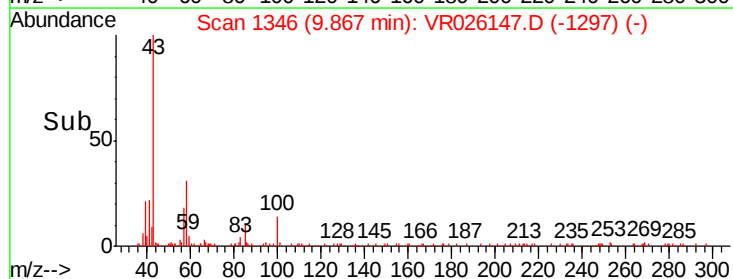
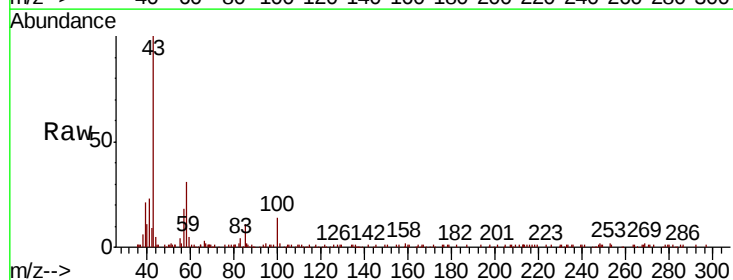
Manual Integrations
 APPROVED

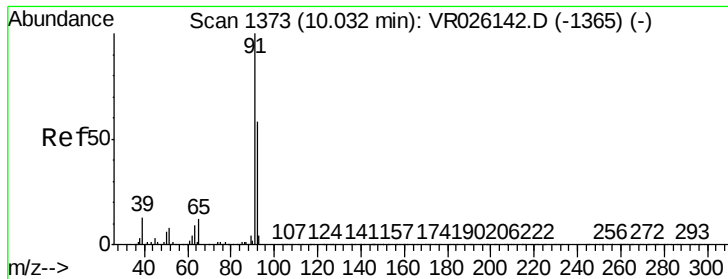
MMDadoda
 10/24/2018 12:17:27 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.123 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.3	28.1	42.1
100	0.0	9.3	13.9#





#42

Toluene

Concen: 0.253 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 49786

Ion Ratio Lower Upper

91 100

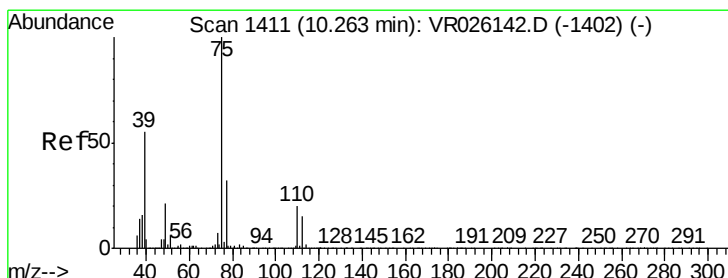
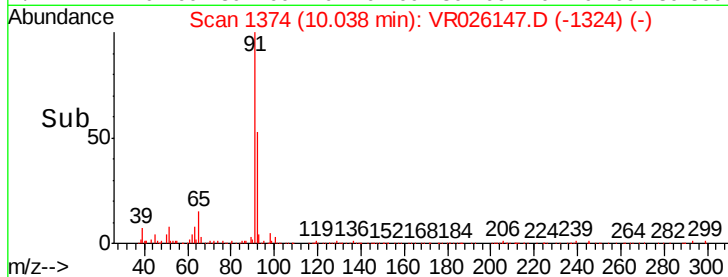
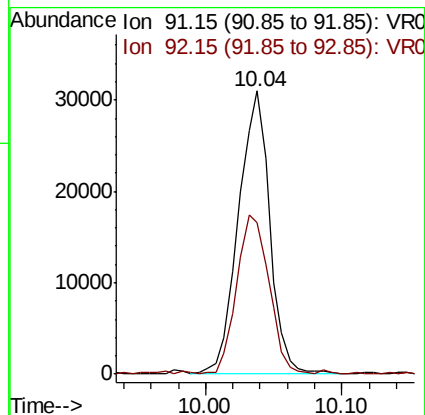
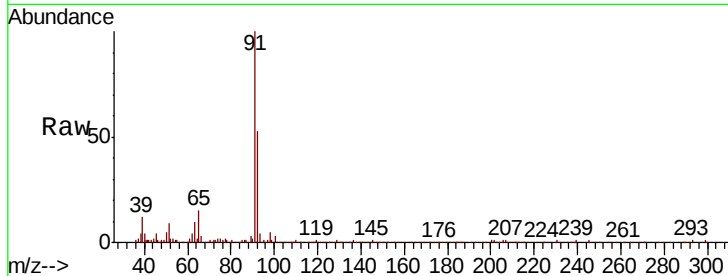
92 53.5 40.8 75.8

Manual Integrations

APPROVED

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#44

trans-1,3-Dichloropropene

Concen: 0.289 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026147.D

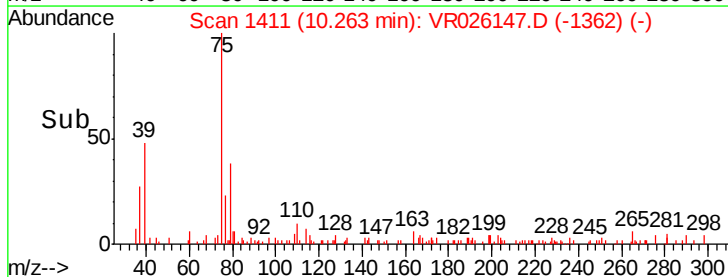
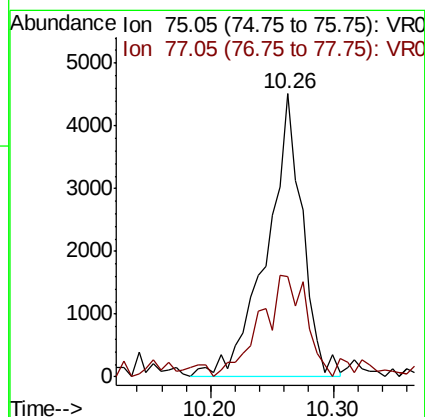
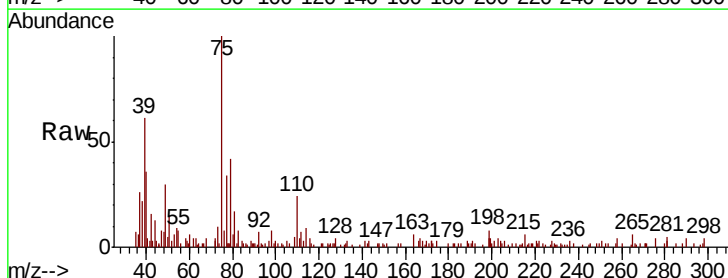
Acq: 19 Oct 2018 13:31

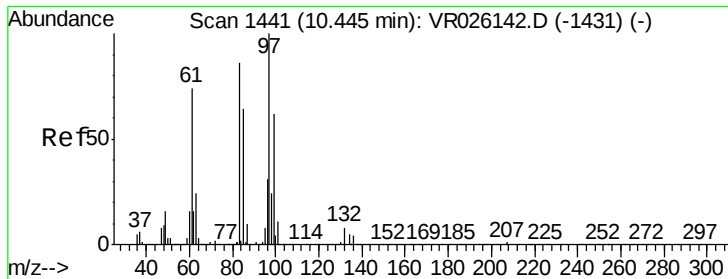
Tgt Ion: 75 Resp: 9106

Ion Ratio Lower Upper

75 100

77 35.4 24.1 44.7





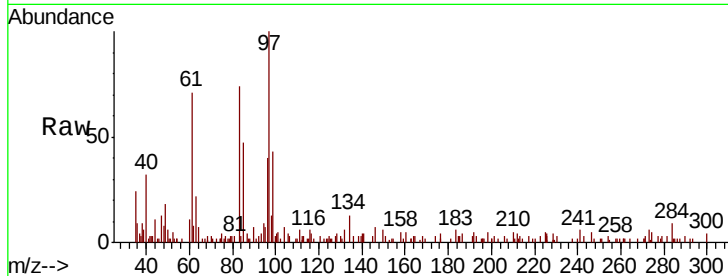
#45
1,1,2-Trichloroethane
Concen: 0.332 ug/L
RT: 10.45 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
97	100		
99	42.7	42.8	79.4#
83	74.1	61.9	114.9
85	46.8	39.3	72.9

Manual Integrations
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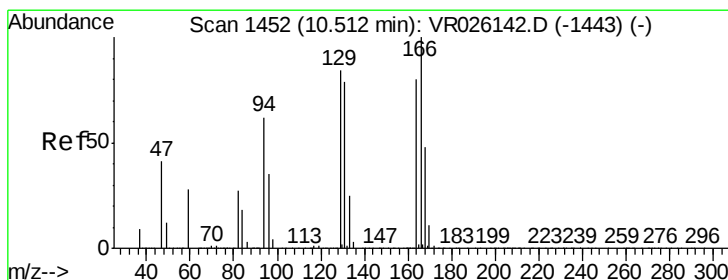
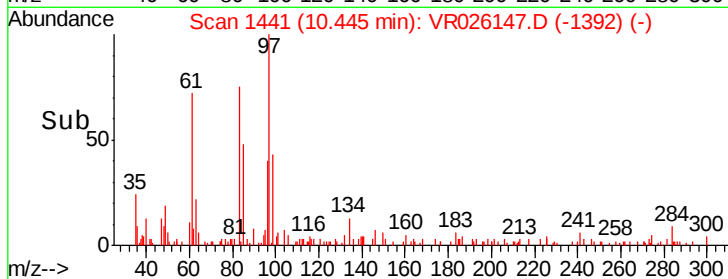
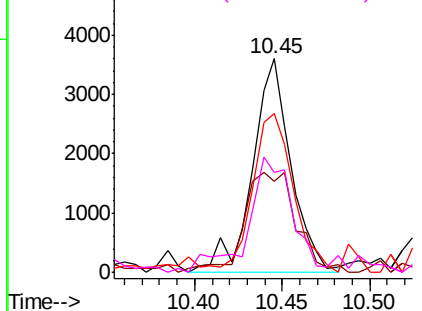
Abundance

Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47
Tetrachloroethene
Concen: 0.219 ug/L
RT: 10.52 min Scan# 1453
Delta R.T. 0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
164	100		
129	79.8	70.3	130.5
131	95.3	67.3	125.1
166	132.6	86.1	159.9

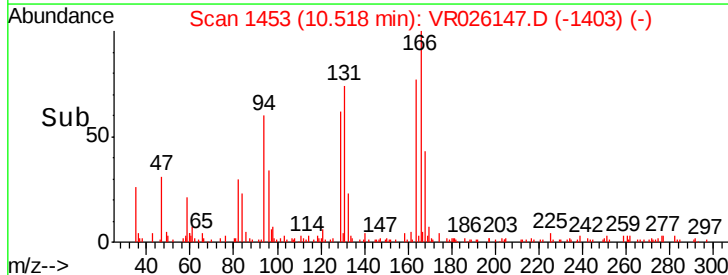
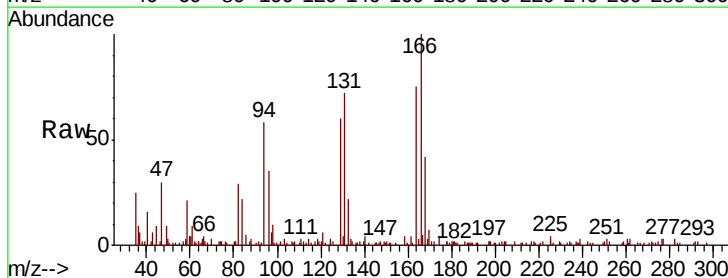
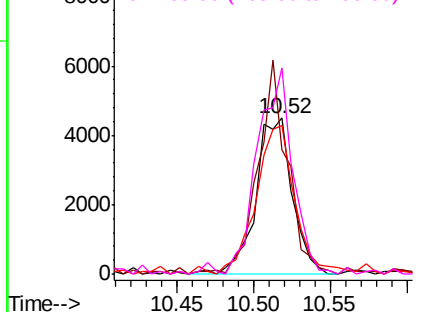
Abundance

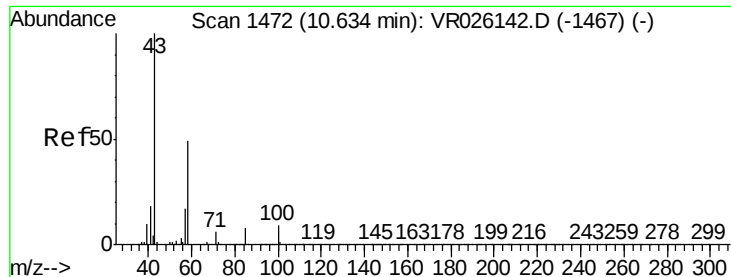
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V





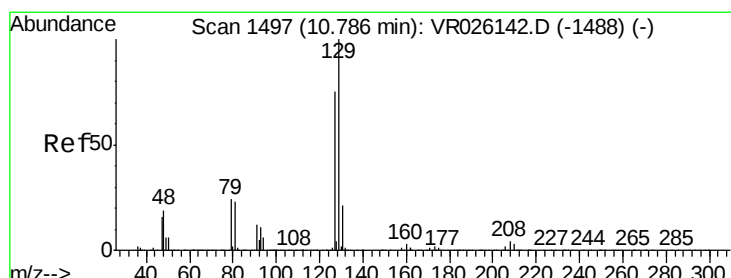
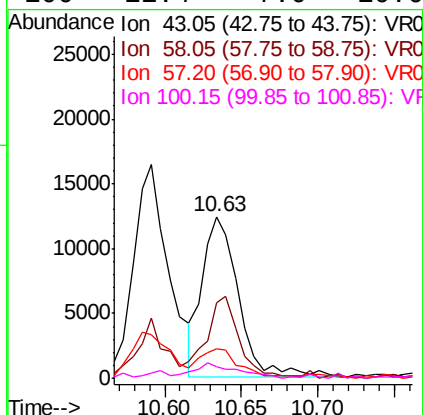
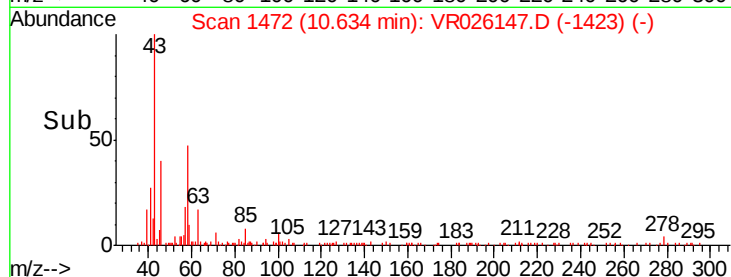
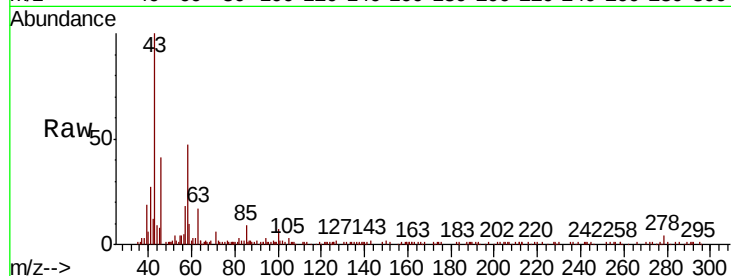
#48
2-Hexanone
Concen: 2.617 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	47.1	39.6	59.4	
57	18.5	14.0	21.0	
100	11.4	7.0	10.6	

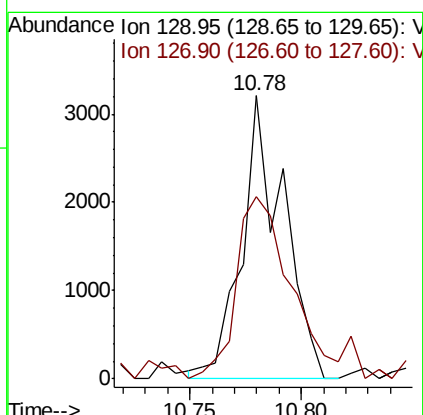
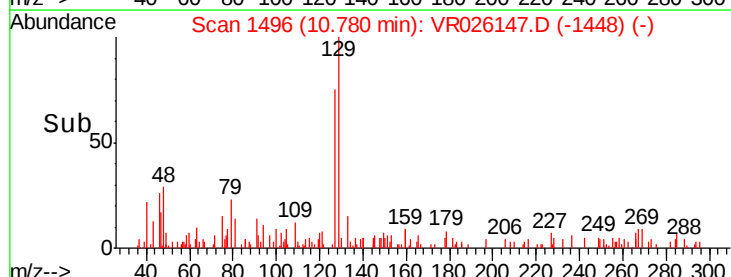
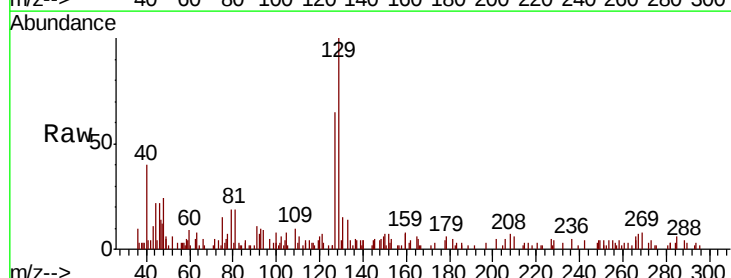
Manual Integrations
APPROVED

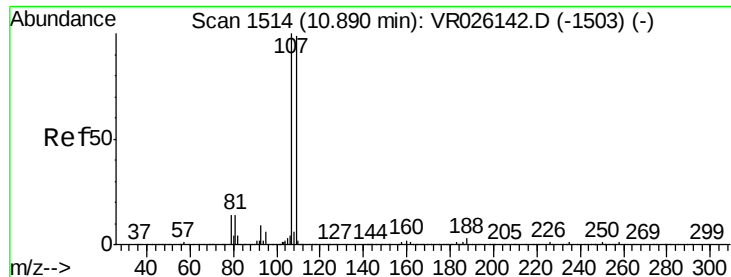
MMDadoda
10/24/2018 12:17:27 PM



#49
Dibromochloromethane
Concen: 0.222 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	64.6	55.0	102.2	





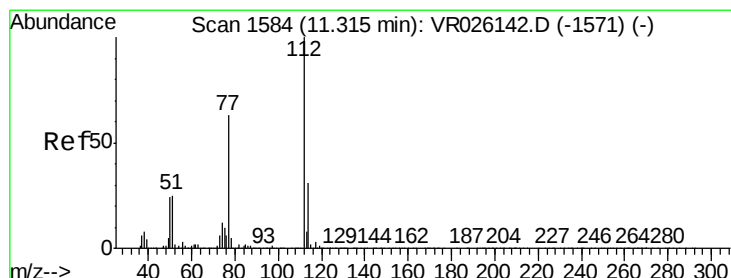
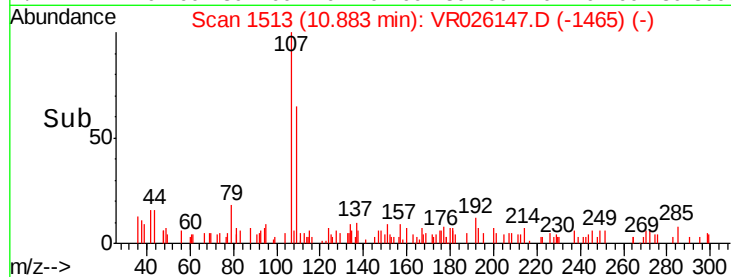
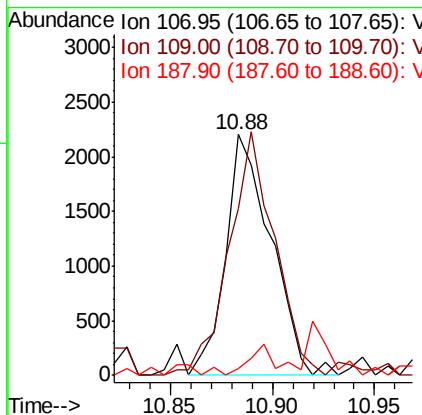
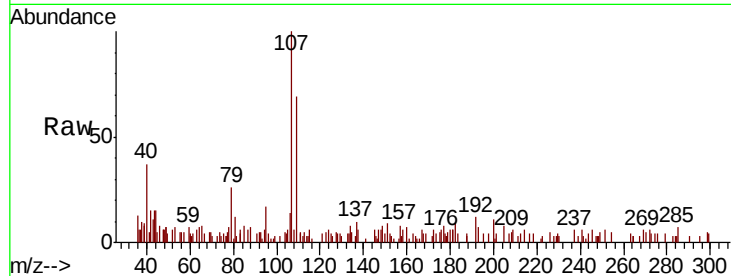
#50
1,2-Dibromoethane
Concen: 0.236 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3386		
109	69.1	58.7	109.1	
188	2.9	2.9	4.3	

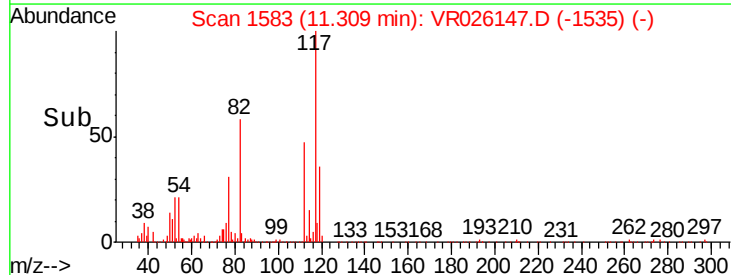
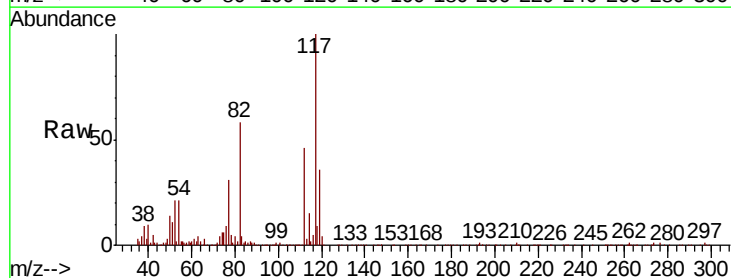
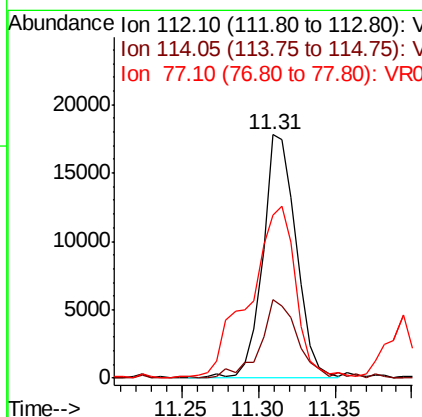
Manual Integrations
APPROVED

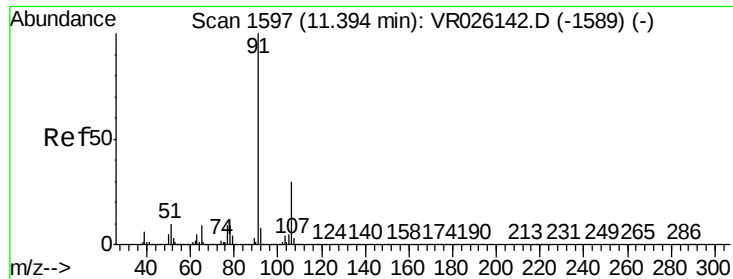
MMDadoda
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#51
Chlorobenzene
Concen: 0.247 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	26896		
114	32.1	22.8	42.4	
77	66.8	51.5	77.3	





#52

Ethylbenzene

Concen: 0.212 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 47949

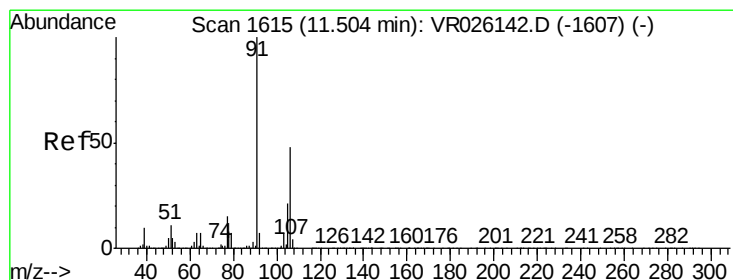
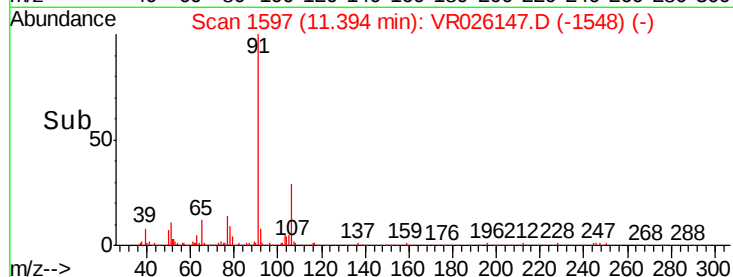
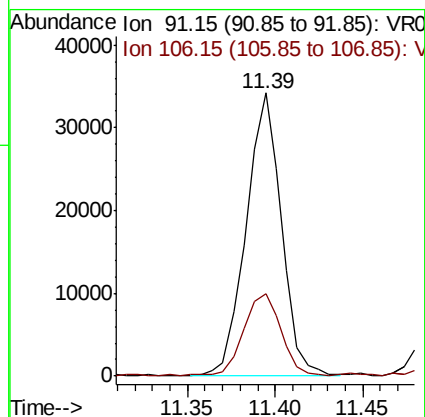
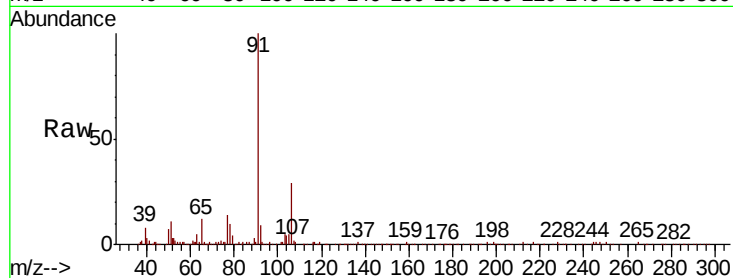
Ion Ratio Lower Upper

91 100

106 28.9 21.2 39.4

Manual Integrations
APPROVED

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#53

m,p-Xylene

Concen: 0.198 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR026147.D

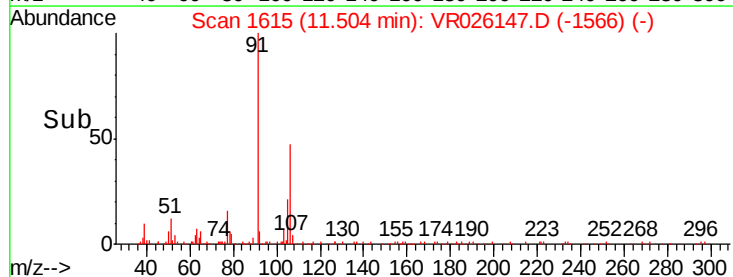
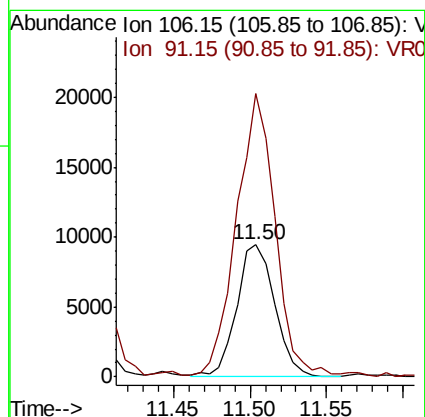
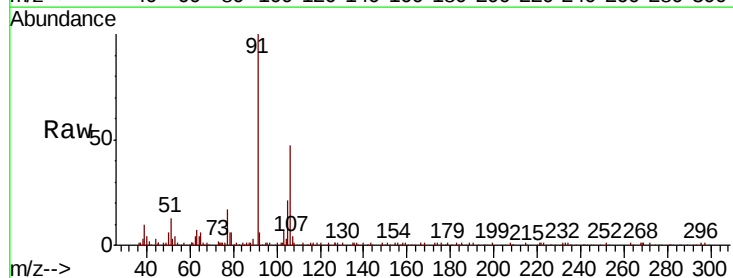
Acq: 19 Oct 2018 13:31

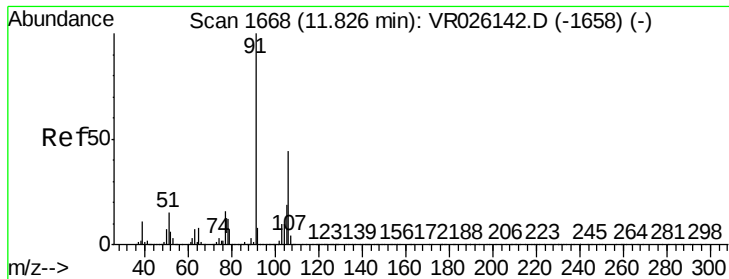
Tgt Ion: 106 Resp: 16375

Ion Ratio Lower Upper

106 100

91 214.7 145.3 269.8





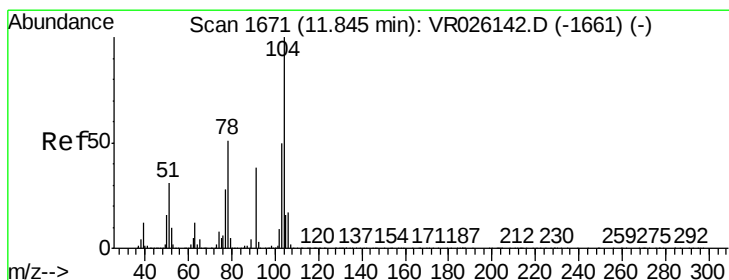
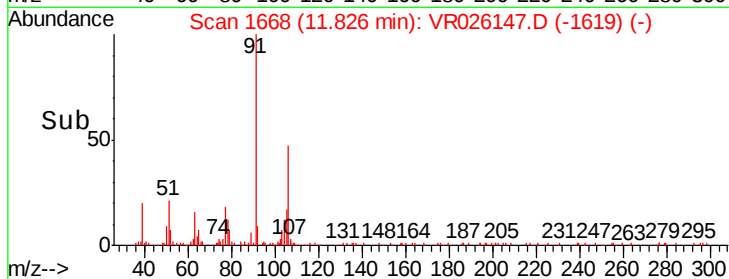
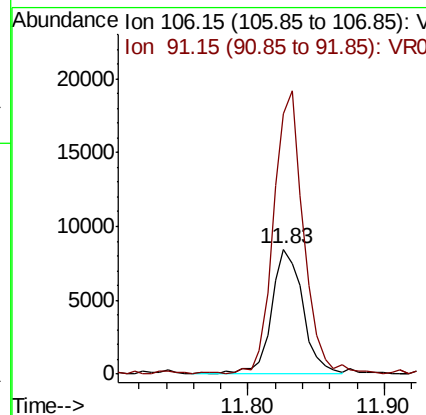
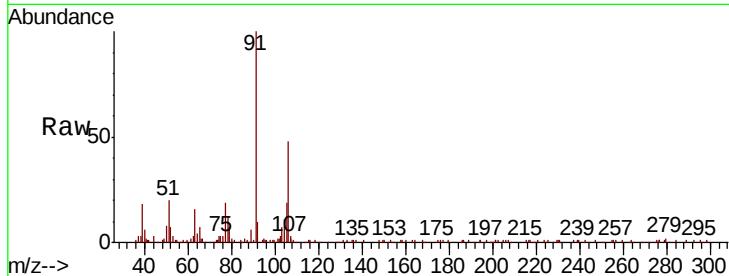
#54
o-Xylene
Concen: 0.180 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.2	155.8	289.3

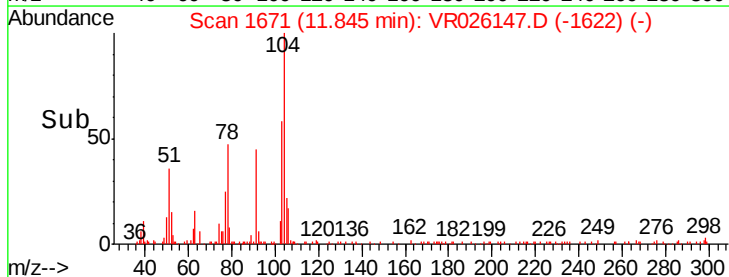
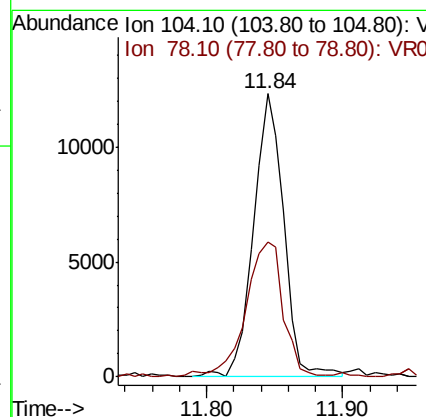
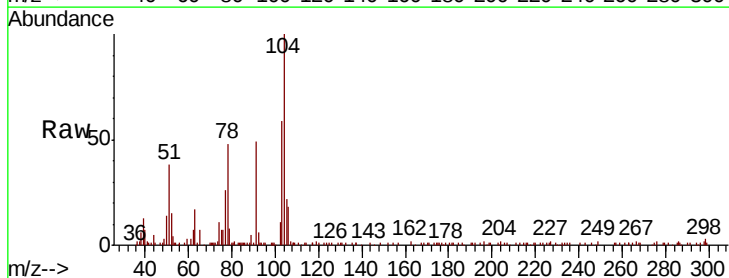
Manual Integrations
APPROVED

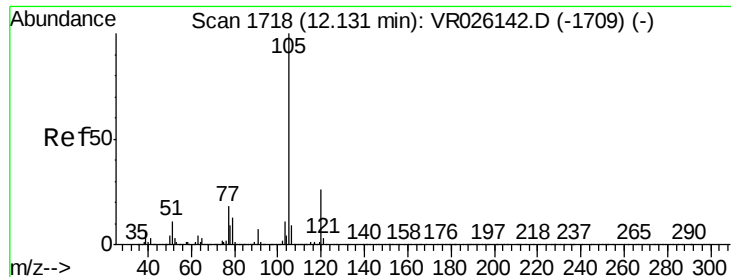
MMDadoda
10/24/2018 12:17:27 PM



#55
Styrene
Concen: 0.165 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	34.7	64.5





#56

Isopropylbenzene

Concen: 0.166 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

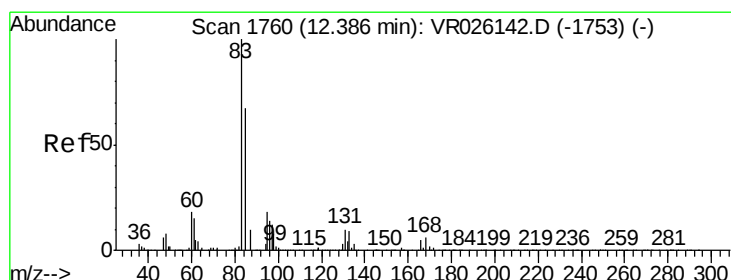
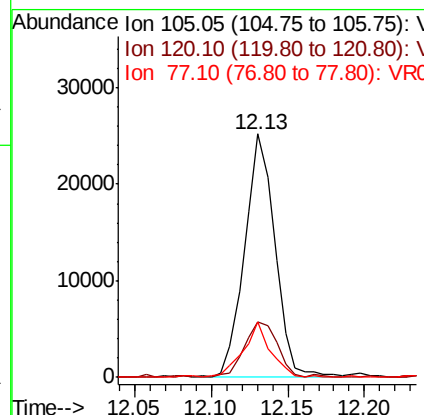
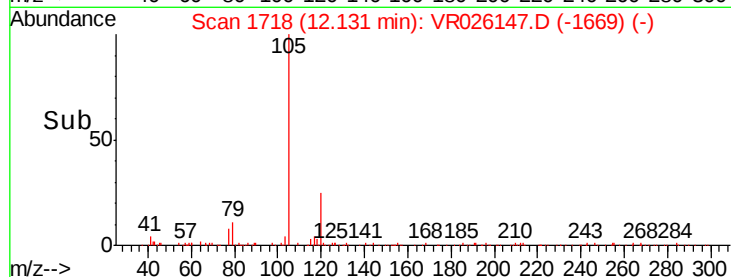
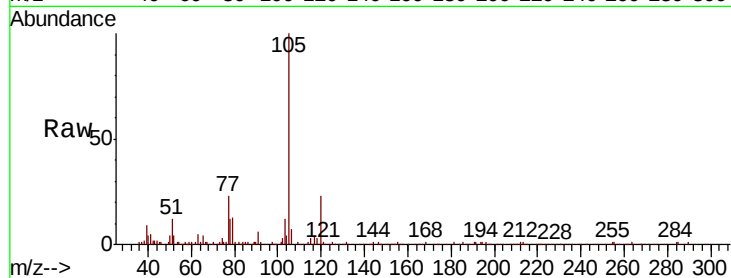
ClientSampleId :

MDL

Tot Ion:	105	Resp:	34896
Ion Ratio	Lower	Upper	
105	100		
120	24.8	21.0	31.4
77	20.3	14.6	21.8

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.287 ug/L

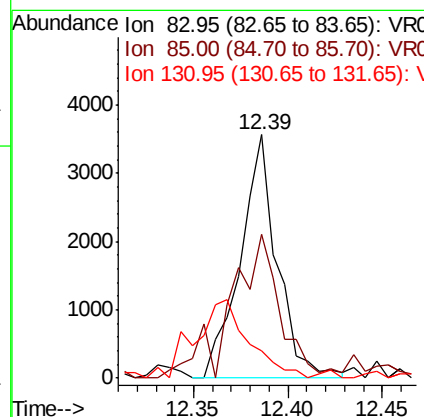
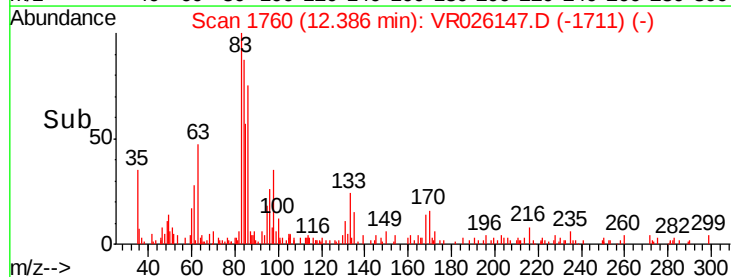
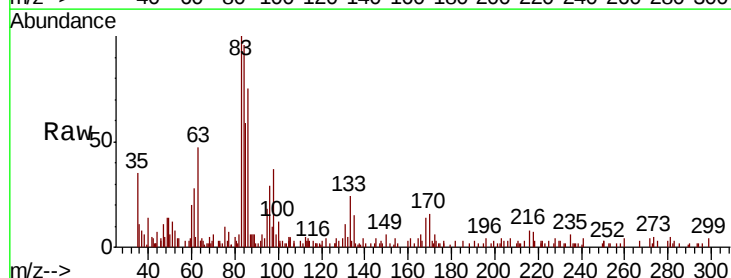
RT: 12.39 min Scan# 1760

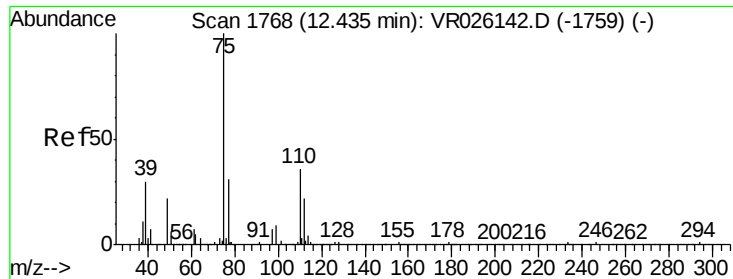
Delta R.T. -0.00 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Tgt Ion:	83	Resp:	4838
Ion Ratio	Lower	Upper	
83	100		
85	59.3	44.0	81.8
131	11.4	8.0	12.0





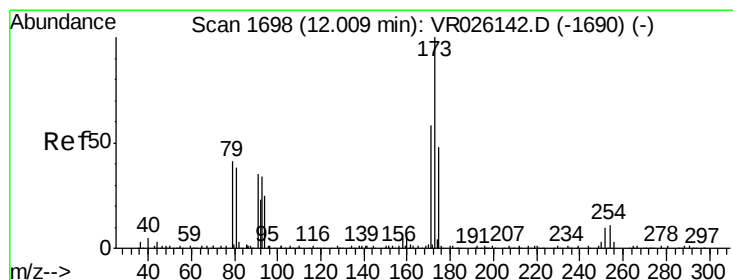
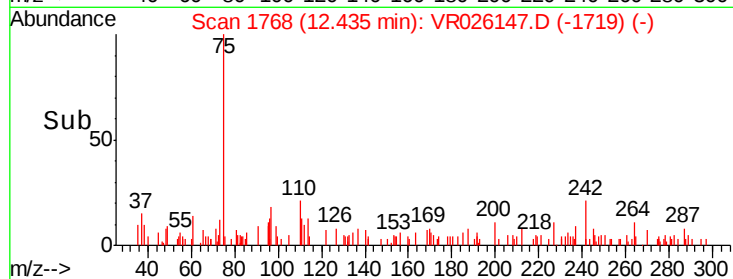
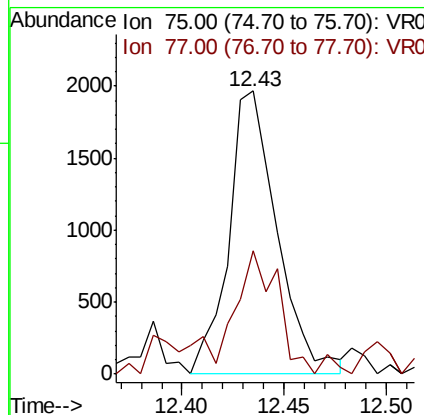
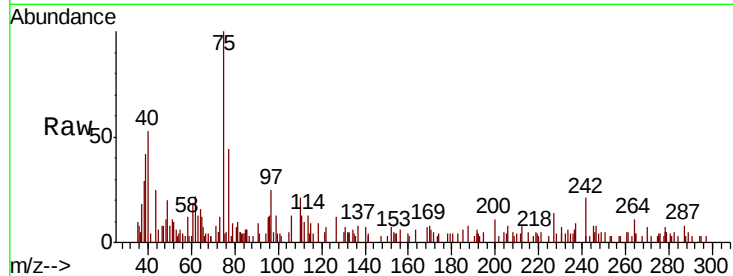
#59
 1,2,3-Trichloropropane
 Concen: 0.259 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampled :
 MDL

Tot Ion: 75 Resp: 3211
 Ion Ratio Lower Upper
 75 100
 77 36.8 26.2 39.2

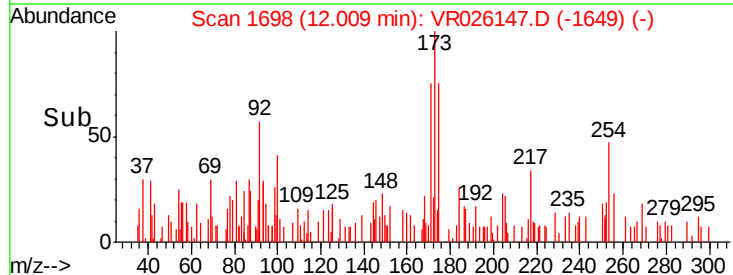
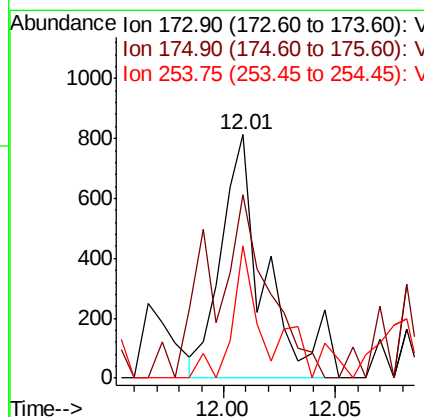
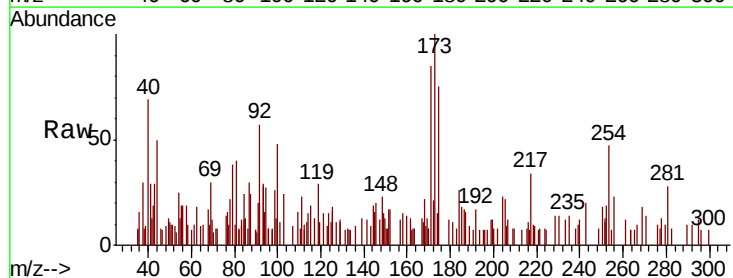
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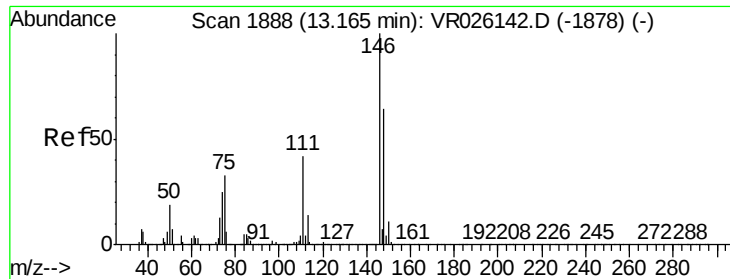
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#61
 Bromoform
 Concen: 0.201 ug/L m
 RT: 12.01 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion: 173 Resp: 1111
 Ion Ratio Lower Upper
 173 100
 175 66.0 39.0 58.4#
 254 29.3 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 0.207 ug/L

RT: 13.16 min Scan# 1887

Delta R.T. -0.01 min

Lab File: VR026147.D

Acq: 19 Oct 2018 13:31

Instrument :

MSVOA_R

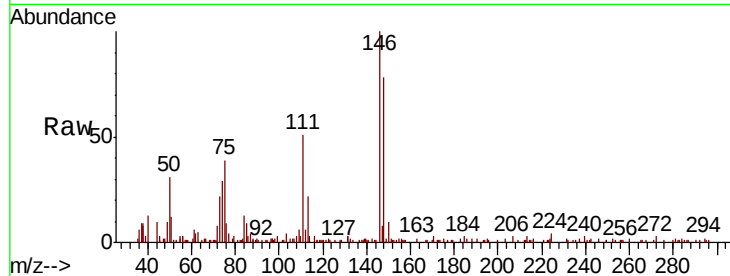
ClientSampled :

MDL

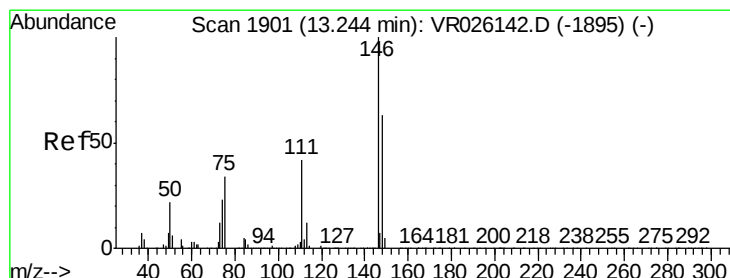
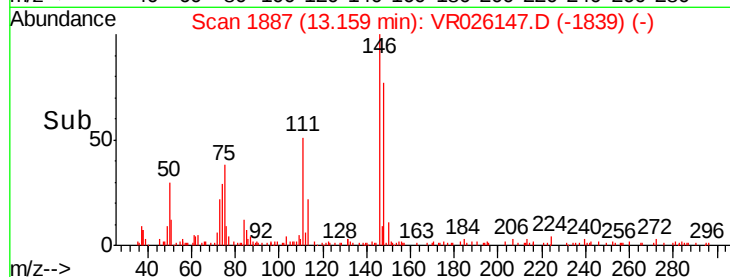
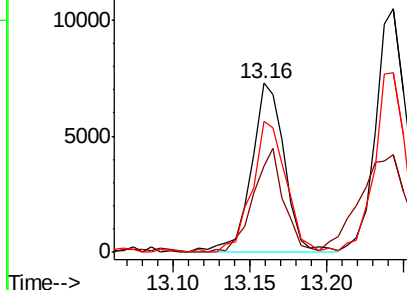
Tot Ion:	146	Resp:	10969
Ion Ratio	Lower	Upper	
146	100		
111	51.1	32.1	59.7
148	77.9	43.8	81.3

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.271 ug/L

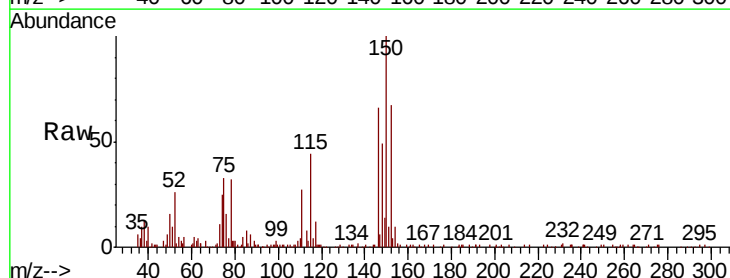
RT: 13.24 min Scan# 1901

Delta R.T. -0.00 min

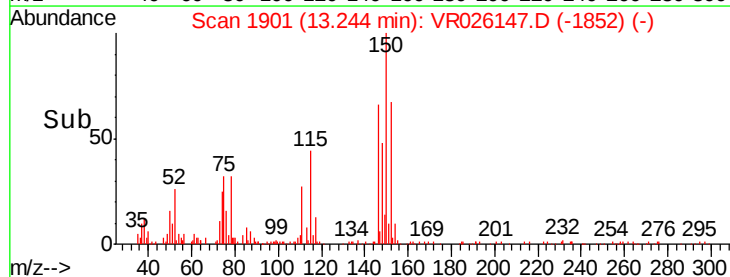
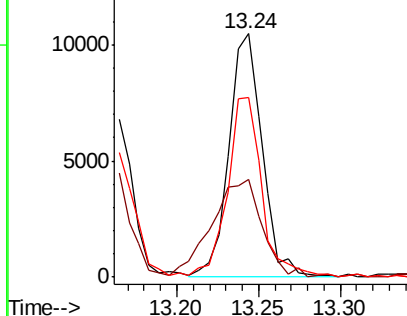
Lab File: VR026147.D

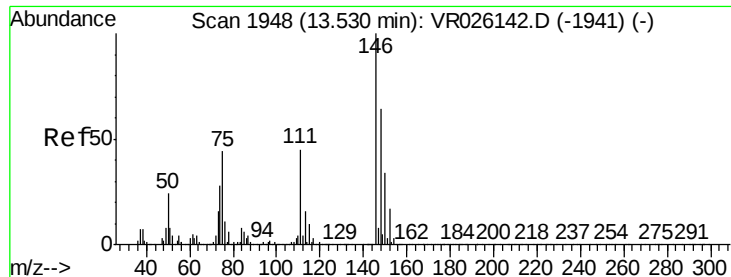
Acq: 19 Oct 2018 13:31

Tgt Ion:	146	Resp:	14820
Ion Ratio	Lower	Upper	
146	100		
111	40.3	32.6	60.6
148	73.8	46.7	86.7



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





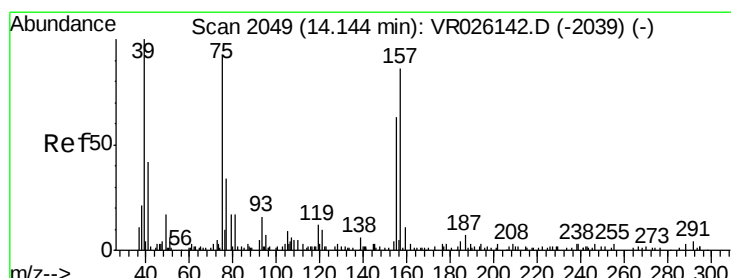
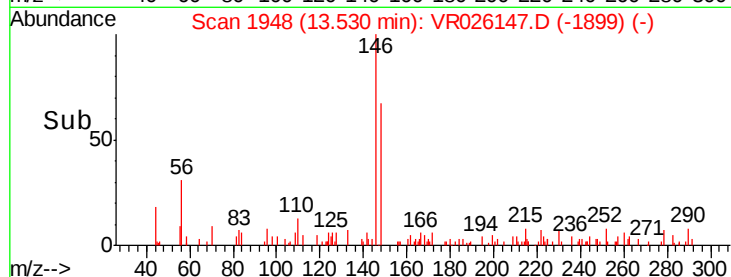
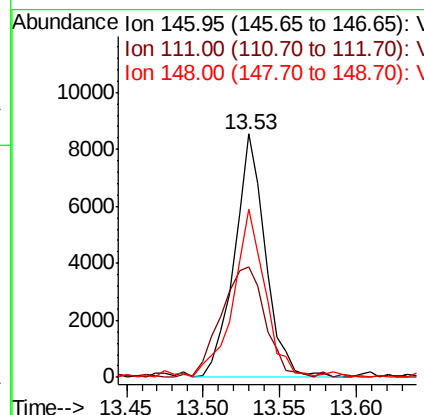
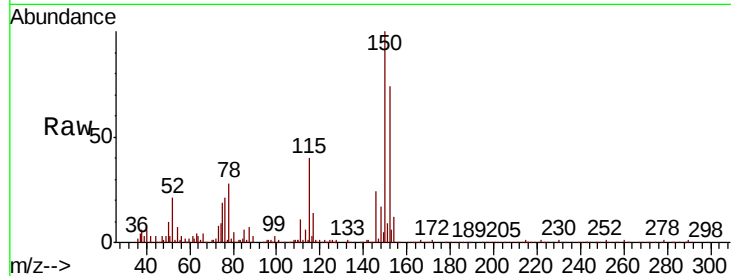
#65
 1,2-Dichlorobenzene
 Concen: 0.283 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampled :
 MDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	35.2	52.8
148	69.2	51.2	76.8

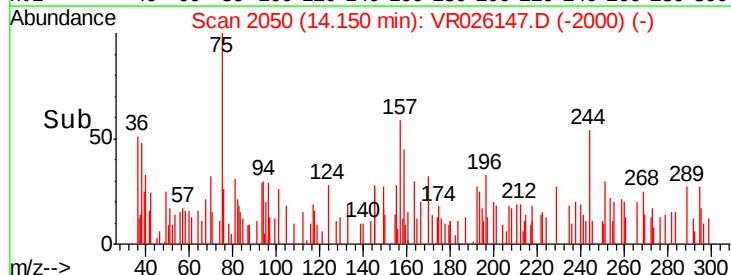
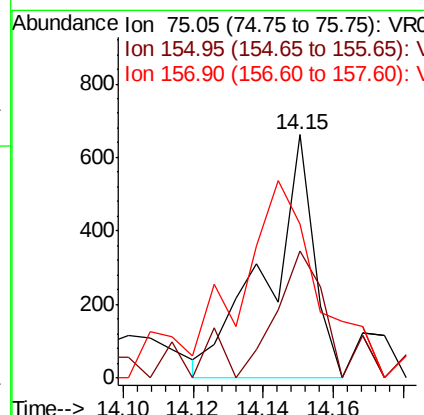
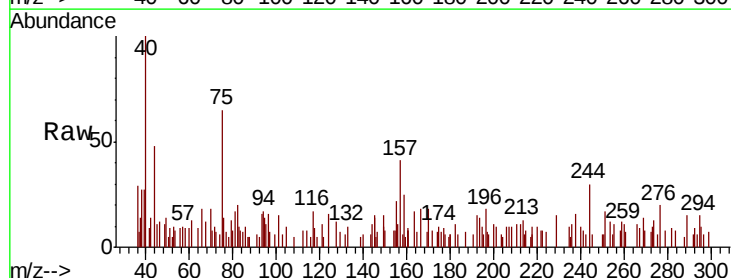
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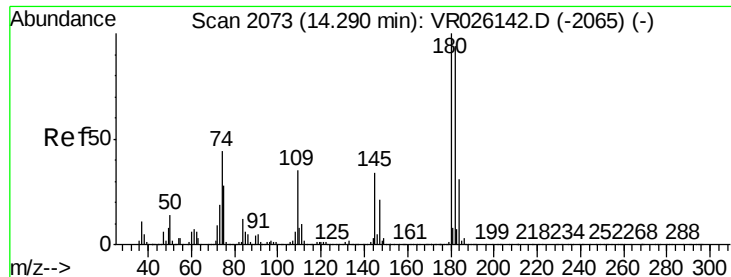
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.356 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	52.0	40.9	61.3
157	63.4	67.3	100.9#





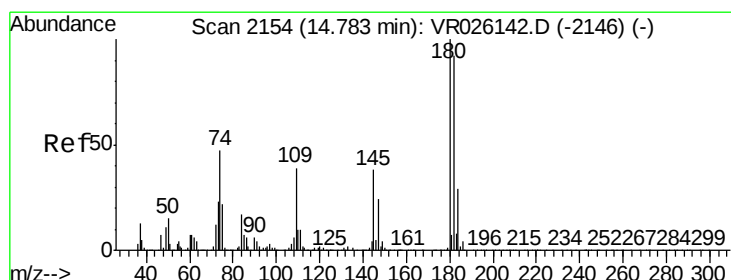
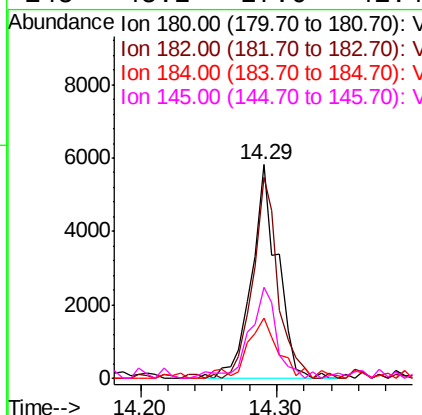
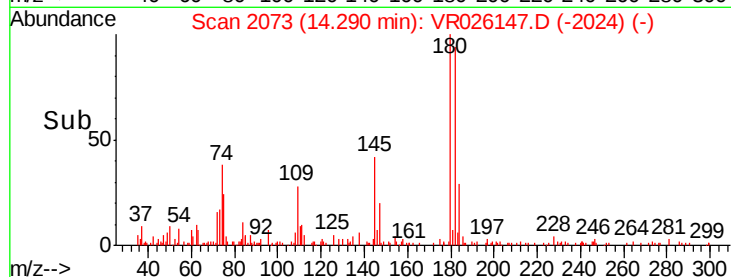
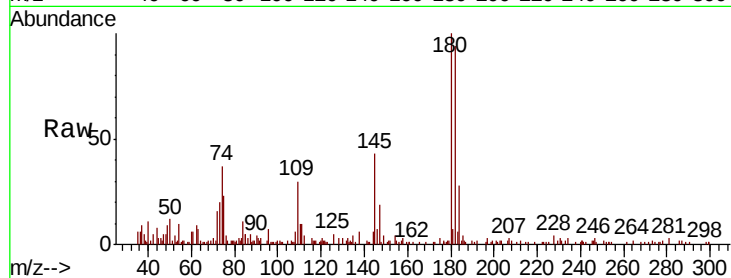
#67
 1,3,5-Trichlorobenzene
 Concen: 0.241 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	Ratio	Resp	Lower	Upper
180	100	7758		
182	91.1		77.5	116.3
184	33.9		25.0	37.4
145	45.2		27.6	41.4

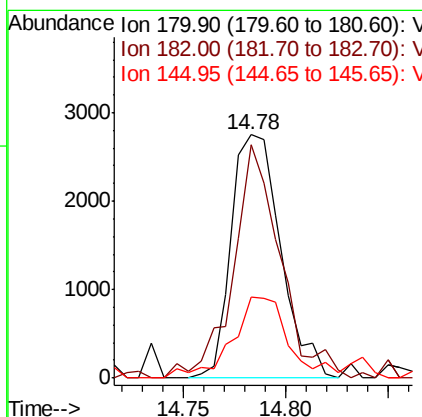
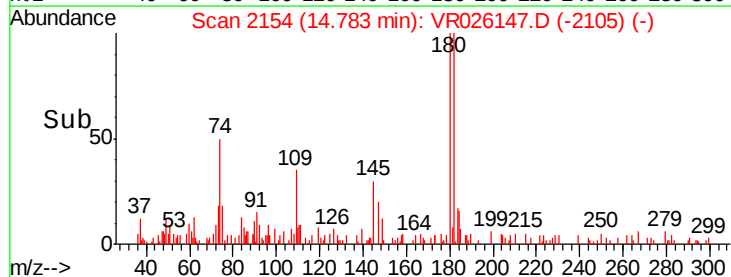
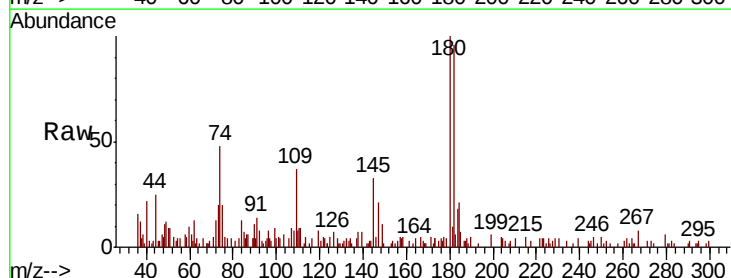
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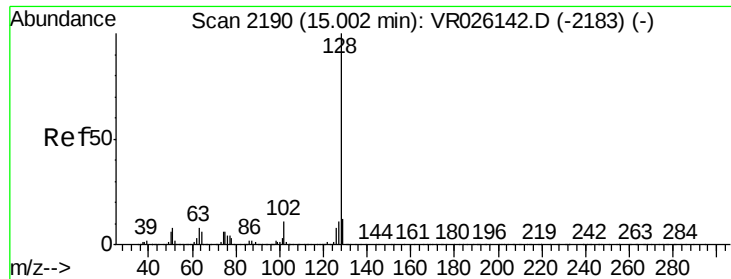
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#68
 1,2,4-trichlorobenzene
 Concen: 0.246 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR026147.D
 Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	4627		
182	91.4		76.1	114.1
145	38.2		28.2	42.4





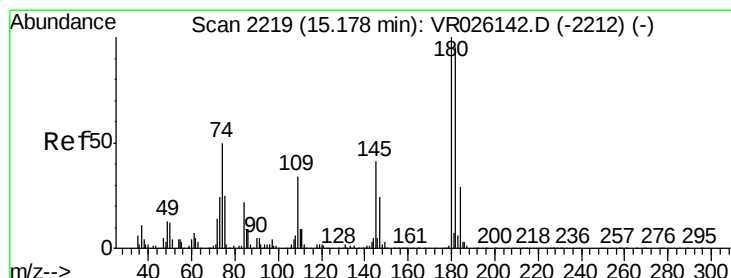
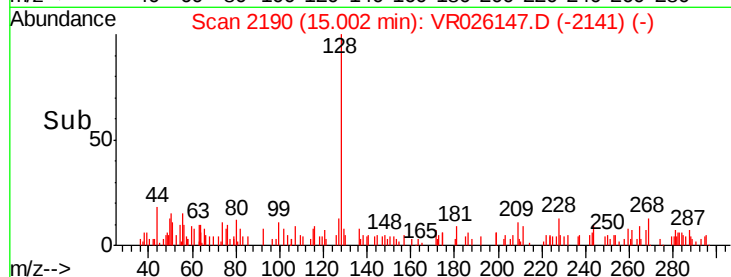
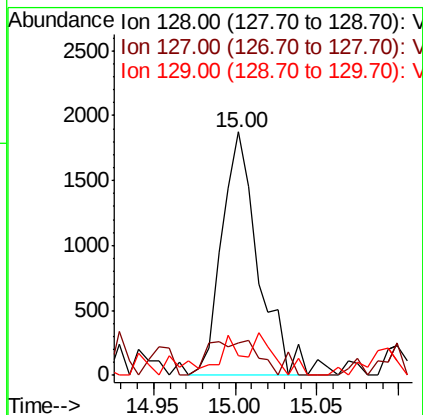
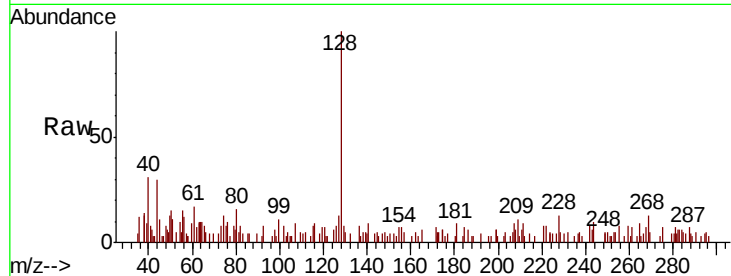
#69
Naphthalene
Concen: 0.162 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Resp	Lower	Upper
128	100	2956		
127	19.2		11.0	16.6#
129	8.1		9.1	13.7#

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#70
1,2,3-Trichlorobenzene
Concen: 0.242 ug/L
RT: 15.17 min Scan# 2218
Delta R.T. -0.01 min
Lab File: VR026147.D
Acq: 19 Oct 2018 13:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	3160		
182	86.6		75.7	113.5
145	44.7		28.8	43.2#

