

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101918\
 Data File : VR026149.D
 Acq On : 19 Oct 2018 14:37
 Operator : SY/MD
 Sample : MDL
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:17:18 PM

Quant Time: Oct 20 04:43:16 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	545240	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	463116	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146960	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	177743	3.72	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	2.63	69	186408	4.54	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.80%
11) 1,1-Dichloroethene-d2	3.60	63	361011	3.08	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	6.59	46	225036	57.44	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.88%
24) Chloroform-d	7.20	84	344942	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	7.89	65	147929	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	7.85	84	660087	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	8.90	67	190208	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	9.97	98	582926	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.00%
43) trans-1,3-Dichloropropene-	10.24	79	37815	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
46) 2-Hexanone-d5	10.59	63	166847	57.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	76966	5.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	114021	4.91	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.84	85	8783m	0.240	ug/L	
3) Chloromethane	2.01	50	17517	0.301	ug/L	88
5) Vinyl chloride	2.15	62	17202	0.297	ug/L #	79
6) Bromomethane	2.53	94	10942	0.286	ug/L	82
8) Chloroethane	2.65	64	10126	0.282	ug/L	86
9) Trichlorofluoromethane	2.93	101	24160m	0.289	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	18172	0.364	ug/L	88
12) 1,1-Dichloroethene	3.62	96	18984m	0.358	ug/L	
13) Acetone	3.69	43	12975	3.204	ug/L	68
14) Carbon disulfide	3.94	76	33350	0.241	ug/L #	94
15) Methyl Acetate	4.19	43	3469	0.328	ug/L #	81
16) Methylene chloride	4.40	84	18400	0.383	ug/L	91
17) Methyl tert-butyl Ether	4.89	73	12853m	0.267	ug/L	
18) trans-1,2-Dichloroethene	4.88	96	10815	0.270	ug/L	84
19) 1,1-Dichloroethane	5.69	63	20540	0.273	ug/L	90
21) 2-Butanone	6.68	43	12943m	2.770	ug/L	
22) cis-1,2-Dichloroethene	6.67	96	10131	0.267	ug/L #	94

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

23) Bromochloromethane	7.03	128	3691	0.347	ug/L #	68
25) Chloroform	7.22	83	21362	0.291	ug/L	91
27) 1,2-Dichloroethane	7.99	62	11037	0.307	ug/L #	80
29) 1,1,1-Trichloroethane	7.42	97	16513	0.261	ug/L	91
30) Cyclohexane	7.53	56	13073	0.206	ug/L	96
31) Carbon tetrachloride	7.64	117	14830	0.258	ug/L	99
33) Benzene	7.90	78	52665m	0.303	ug/L	
34) Trichloroethene	8.71	95	12440	0.280	ug/L	87
35) Methylcyclohexane	8.95	83	13128	0.198	ug/L #	76
37) 1,2-Dichloropropane	8.99	63	10751	0.293	ug/L #	94
38) Bromodichloromethane	9.28	83	10154	0.258	ug/L	80
39) cis-1,3-Dichloropropene	9.72	75	10869	0.259	ug/L	88
40) 4-Methyl-2-pentanone	9.87	43	24886	2.223	ug/L #	91
42) Toluene	10.03	91	48048	0.262	ug/L	92
44) trans-1,3-Dichloropropene	10.26	75	9429	0.322	ug/L	86
45) 1,1,2-Trichloroethane	10.43	97	3664	0.237	ug/L	83
47) Tetrachloroethene	10.51	164	7584	0.239	ug/L	89
48) 2-Hexanone	10.64	43	22573	3.087	ug/L #	83
49) Dibromochloromethane	10.78	129	4006	0.230	ug/L	96
50) 1,2-Dibromoethane	10.88	107	3500	0.262	ug/L #	85
51) Chlorobenzene	11.31	112	27660	0.272	ug/L	96
52) Ethylbenzene	11.39	91	49128	0.233	ug/L	94
53) m,p-Xylene	11.50	106	16262	0.212	ug/L	89
54) o-Xylene	11.83	106	13697	0.194	ug/L	78
55) Styrene	11.84	104	19289	0.178	ug/L	91
56) Isopropylbenzene	12.13	105	37069	0.189	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	4586	0.292	ug/L #	80
59) 1,2,3-Trichloropropane	12.43	75	3064m	0.266	ug/L	
61) Bromoform	12.00	173	1161	0.227	ug/L #	91
62) 1,3-Dichlorobenzene	13.16	146	11745	0.241	ug/L	93
63) 1,4-Dichlorobenzene	13.24	146	14788	0.292	ug/L	91
65) 1,2-Dichlorobenzene	13.53	146	12262	0.313	ug/L	87
66) 1,2-Dibromo-3-chloropropan	14.14	75	364m	0.228	ug/L	
67) 1,3,5-Trichlorobenzene	14.29	180	7672	0.258	ug/L	95
68) 1,2,4-trichlorobenzene	14.79	180	4149	0.239	ug/L	90
69) Naphthalene	15.00	128	4137	0.245	ug/L #	89
70) 1,2,3-Trichlorobenzene	15.18	180	3192	0.265	ug/L #	91

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

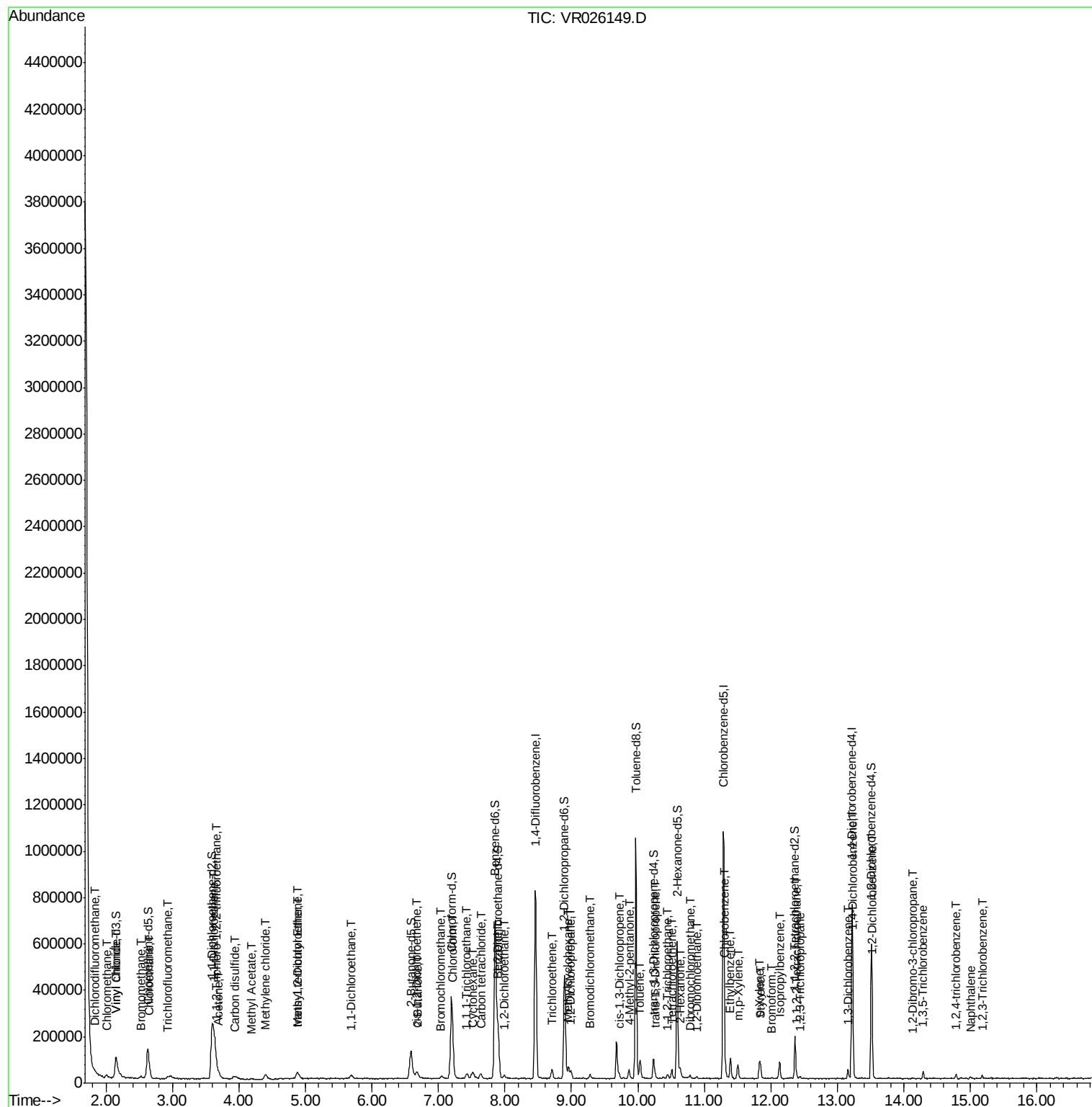
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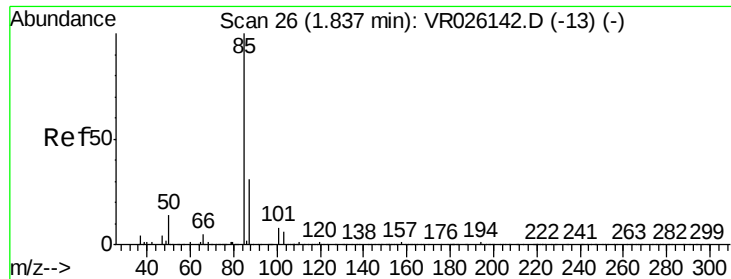
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#2

Dichlorodifluoromethane

Concen: 0.240 ug/L m

RT: 1.84 min Scan# 27

Delta R.T. 0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 85 Resp: 8783

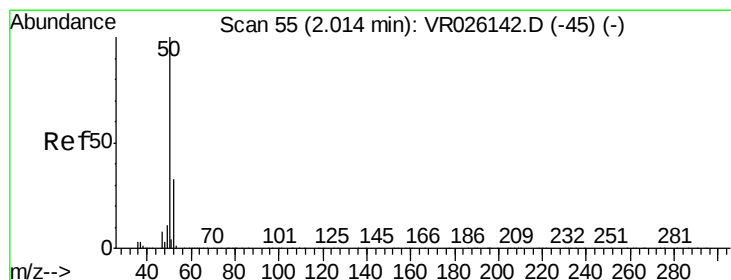
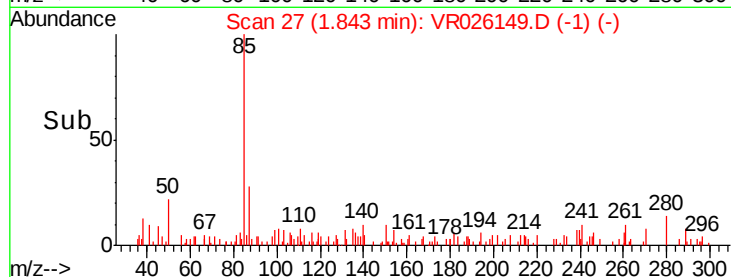
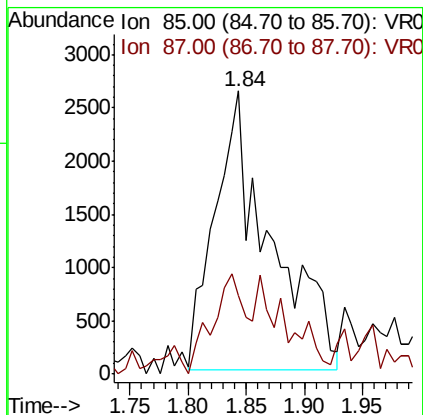
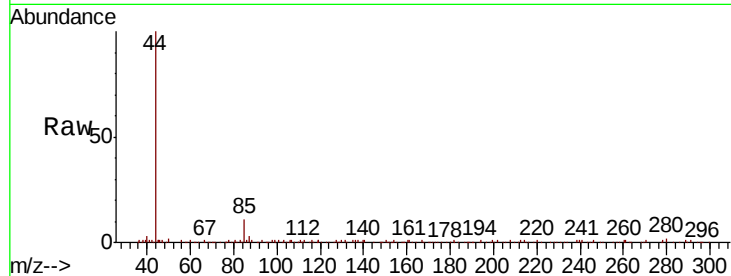
Ion Ratio Lower Upper

85 100

87 21.6 23.4 35.2#

Manual Integrations
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#3

Chloromethane

Concen: 0.301 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026149.D

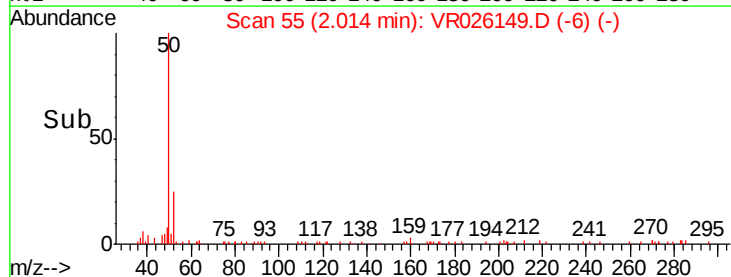
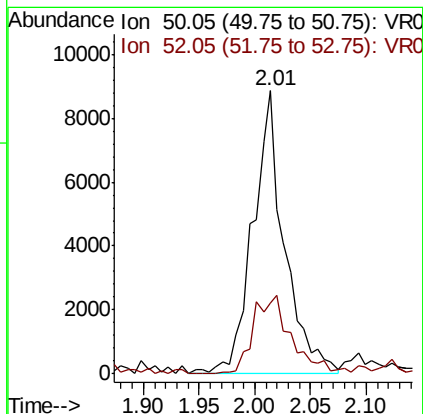
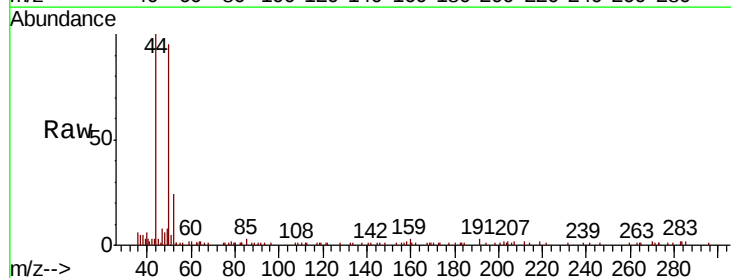
Acq: 19 Oct 2018 14:37

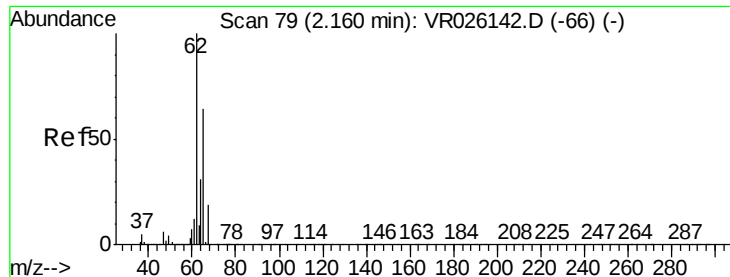
Tgt Ion: 50 Resp: 17517

Ion Ratio Lower Upper

50 100

52 24.9 22.0 40.8





#5

Vinyl chloride

Concen: 0.297 ug/L

RT: 2.15 min Scan# 78

Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

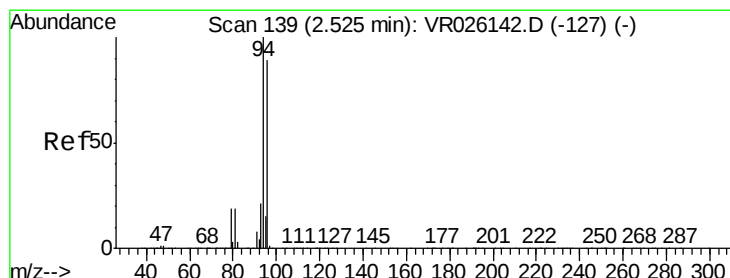
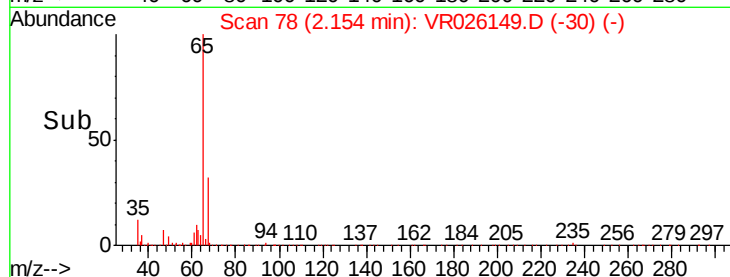
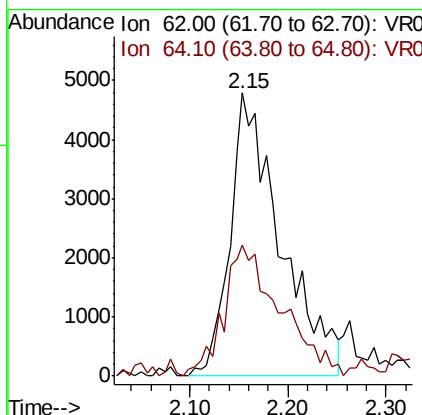
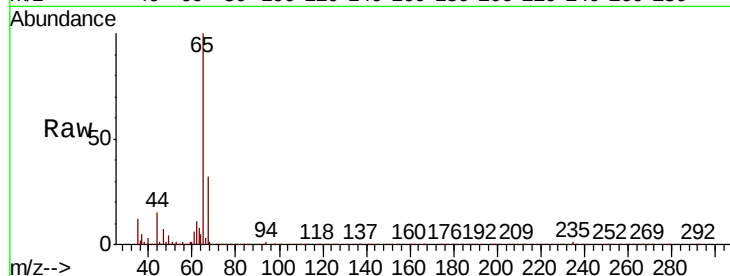
ClientSampled :

MDL

Tot Ion	Ratio	Lower	Upper
62	100		
64	46.3	23.9	44.3

Manual Integrations
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#6

Bromomethane

Concen: 0.286 ug/L

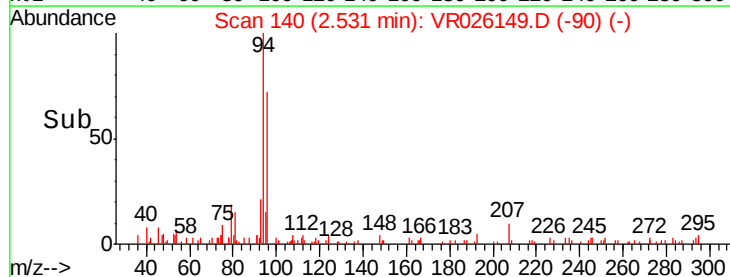
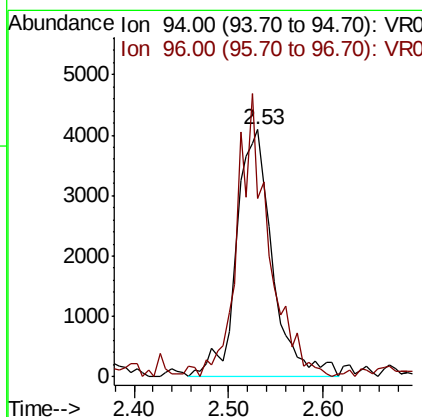
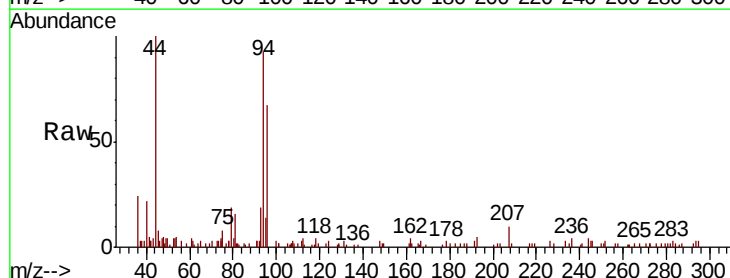
RT: 2.53 min Scan# 140

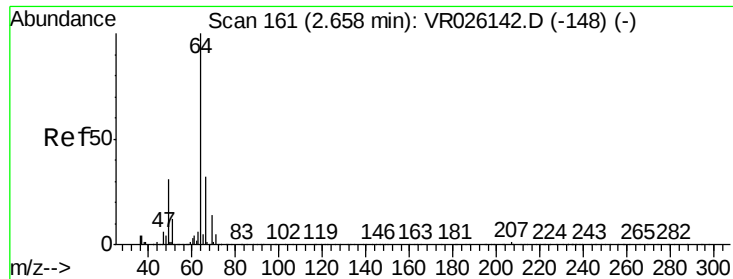
Delta R.T. 0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
94	100		
96	72.3	62.5	116.1





#8

Chloroethane

Concen: 0.282 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 64 Resp: 10126

Ion Ratio Lower Upper

64 100

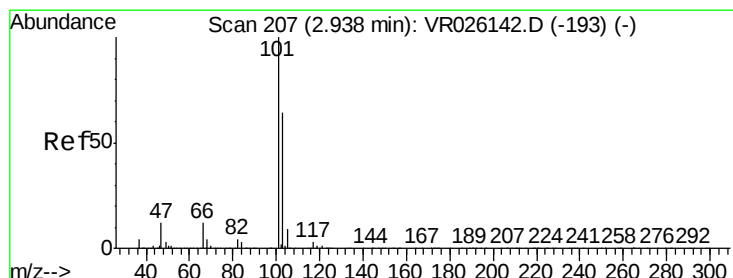
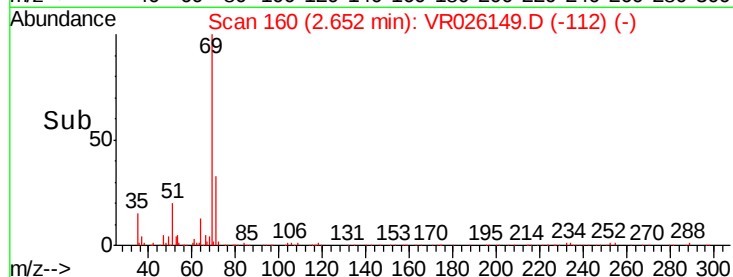
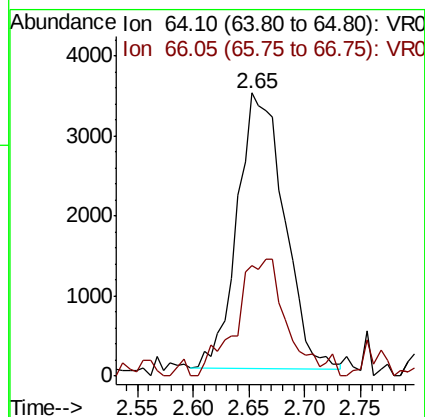
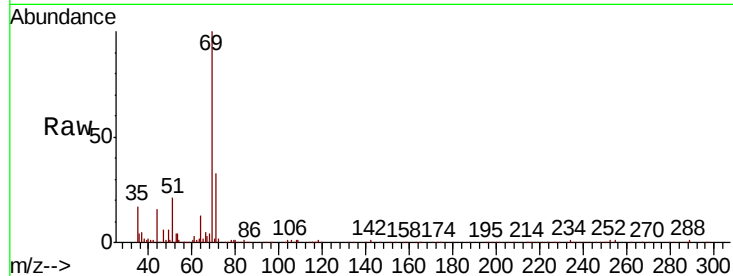
66 39.3 22.0 40.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.289 ug/L m

RT: 2.93 min Scan# 205

Delta R.T. -0.01 min

Lab File: VR026149.D

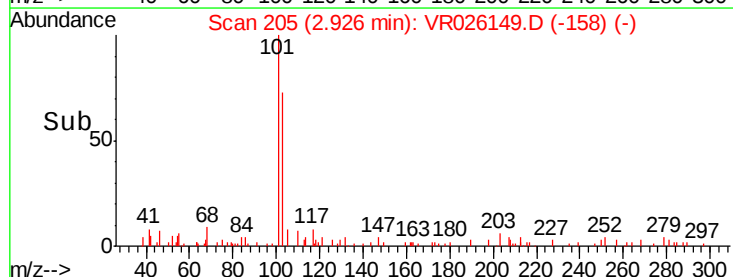
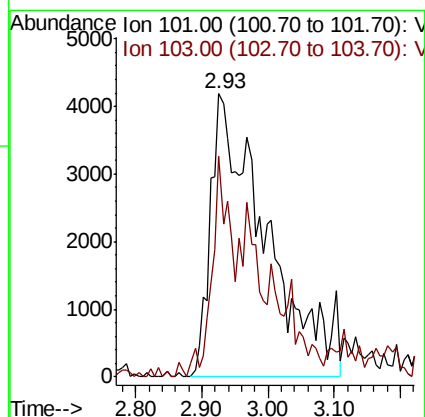
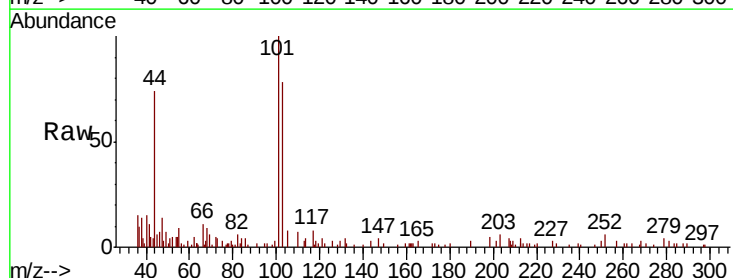
Acq: 19 Oct 2018 14:37

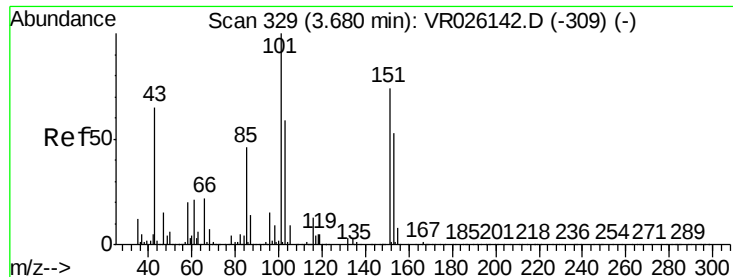
Tgt Ion: 101 Resp: 24160

Ion Ratio Lower Upper

101 100

103 25.4 26.0 39.0#





#10

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

Concen: 0.364 ug/L

RT: 3.67 min Scan# 328

Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

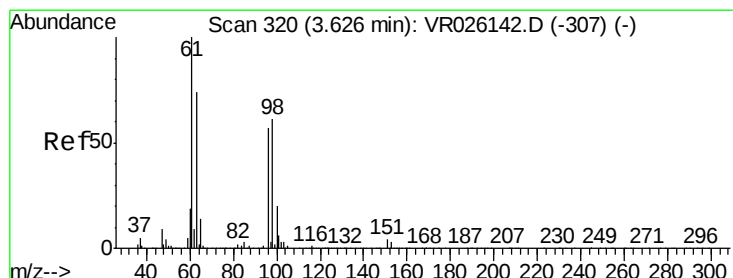
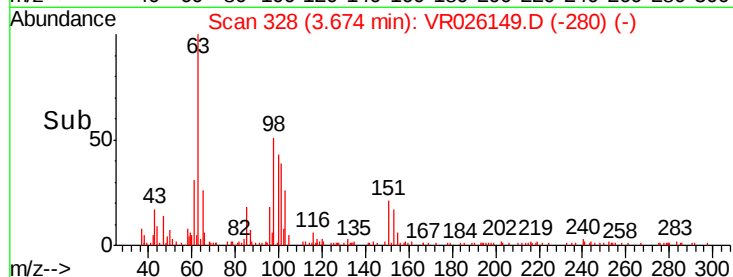
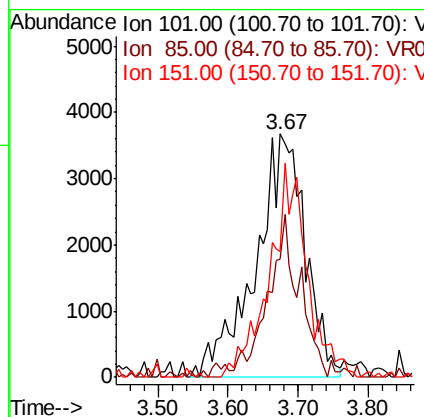
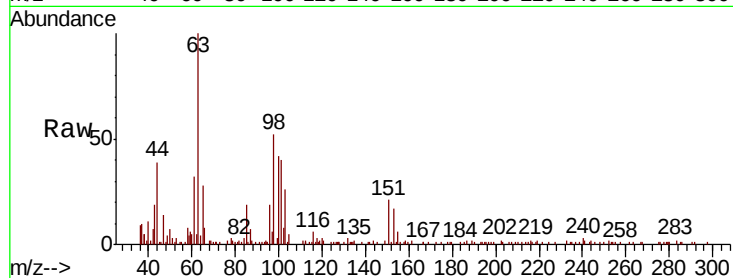
ClientSampled :

MDL

Tot Ion:	101	Resp:	18172
Ion Ratio	Lower	Upper	
101	100		
85	42.1	37.8	56.8
151	66.4	63.2	94.8

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#12

1,1-Dichloroethene

Concen: 0.358 ug/L m

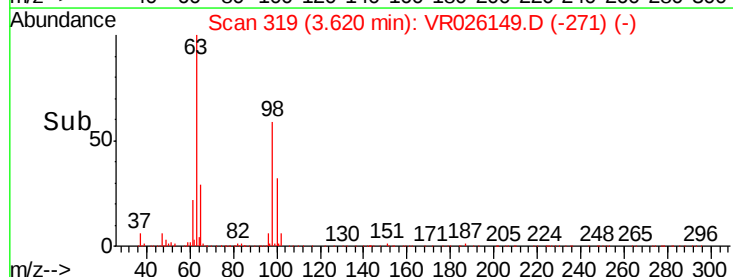
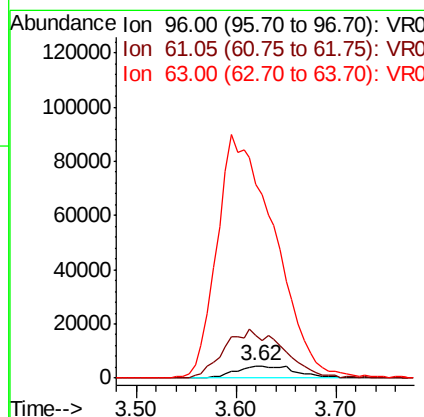
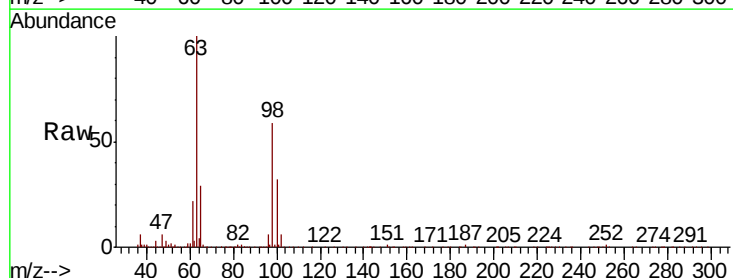
RT: 3.62 min Scan# 319

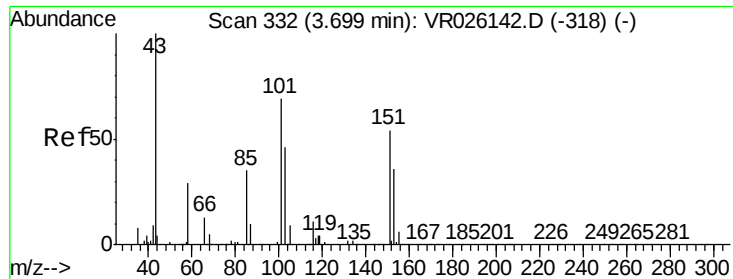
Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion:	96	Resp:	18984
Ion Ratio	Lower	Upper	
96	100		
61	355.0	126.7	235.3#
63	1618.0	125.0	232.2#





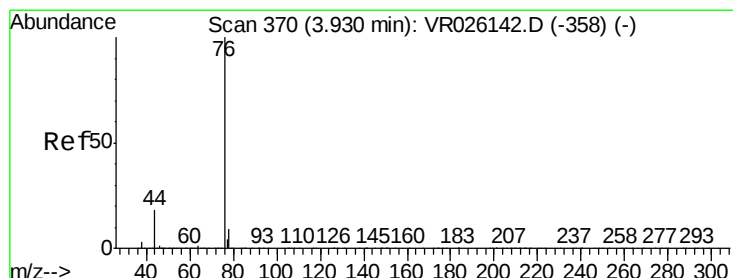
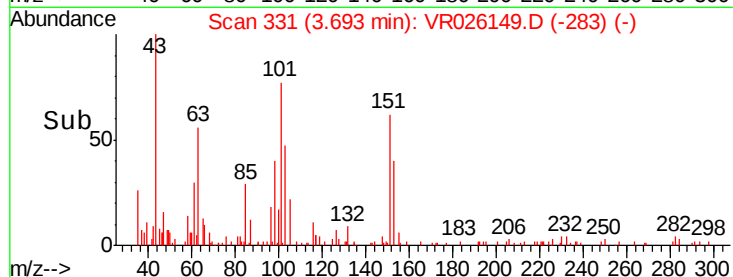
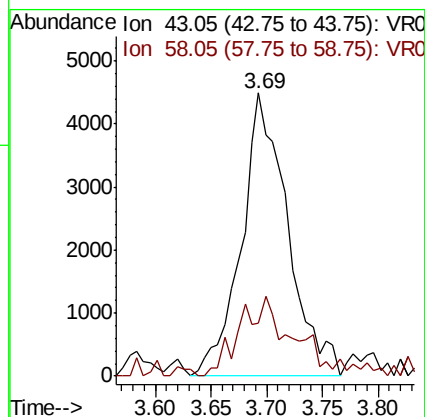
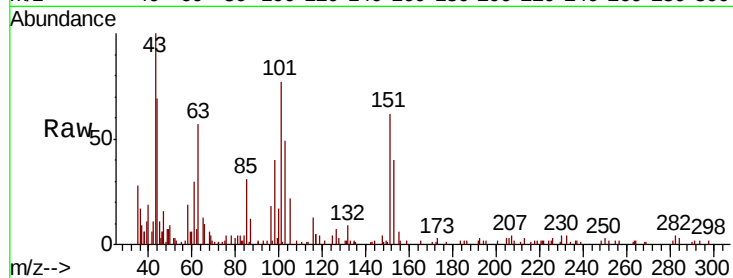
#13
Acetone
Concen: 3.204 ug/L
RT: 3.69 min Scan# 331
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion: 43 Resp: 12975
Ion Ratio Lower Upper
43 100
58 10.8 0.0 55.4

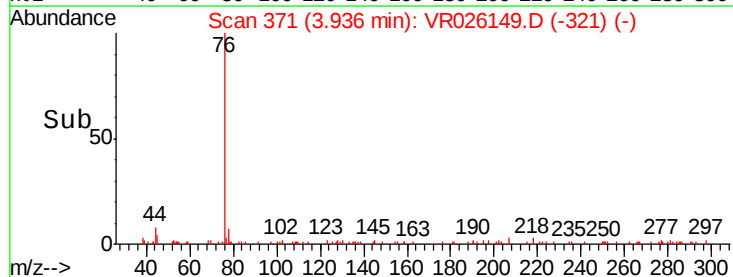
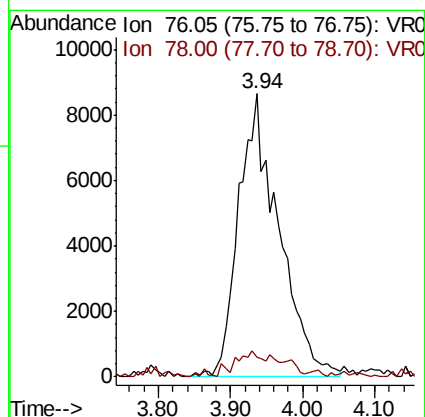
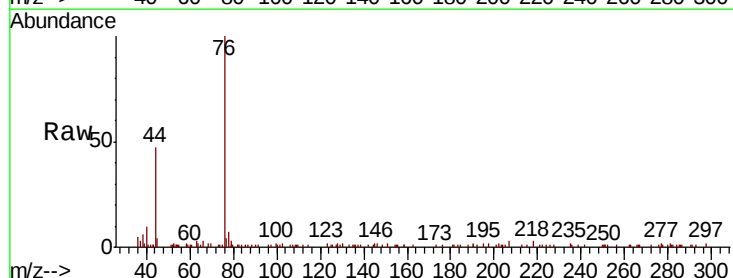
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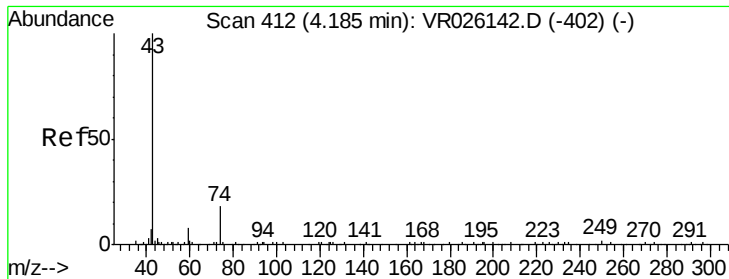
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#14
Carbon disulfide
Concen: 0.241 ug/L
RT: 3.94 min Scan# 371
Delta R.T. 0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion: 76 Resp: 33350
Ion Ratio Lower Upper
76 100
78 7.1 7.6 11.4#





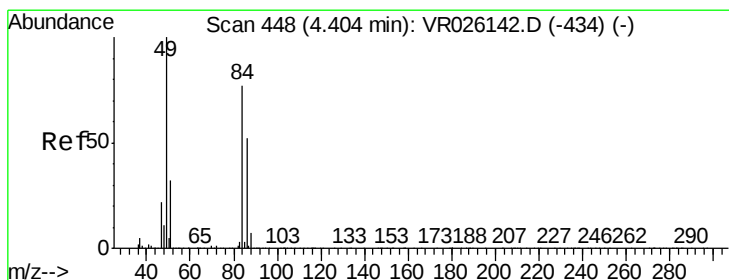
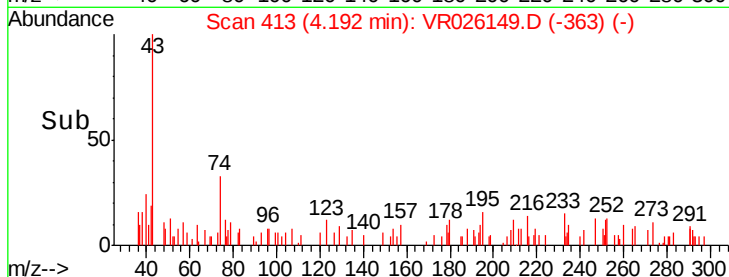
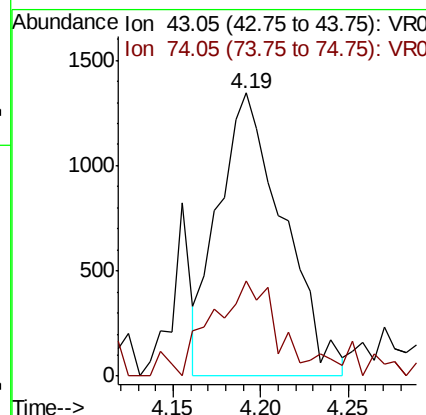
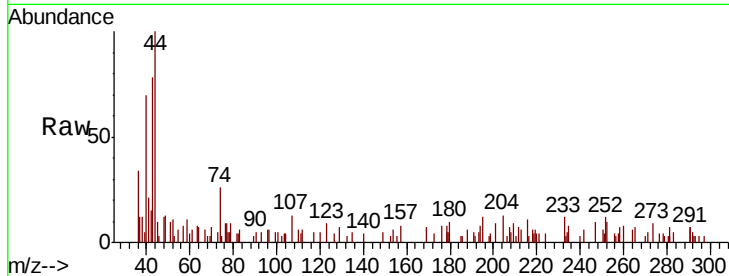
#15
Methyl Acetate
Concen: 0.328 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion: 43 Resp: 3469
Ion Ratio Lower Upper
43 100
74 34.1 19.8 29.8#

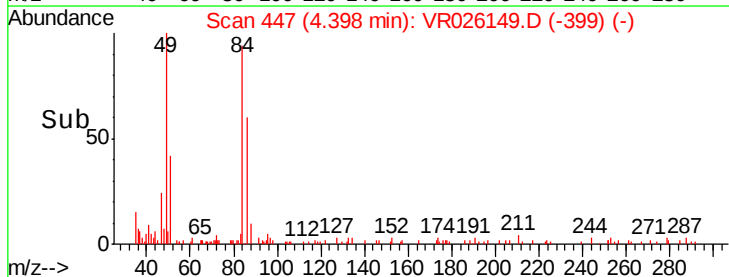
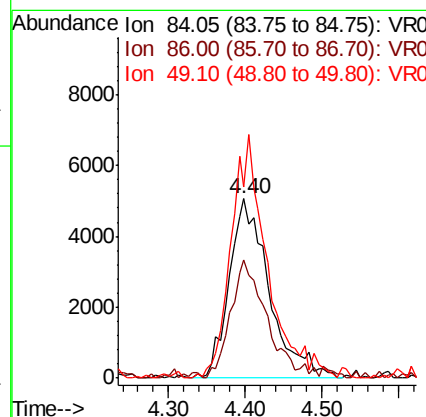
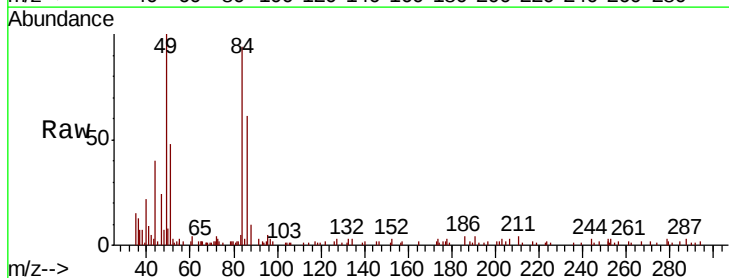
Manual Integrations
APPROVED

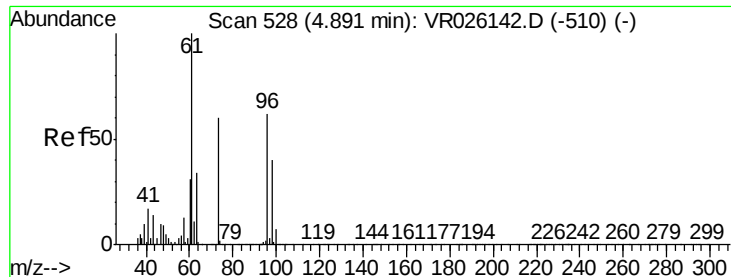
MMDadoda
10/24/2018 12:17:18 PM



#16
Methylene chloride
Concen: 0.383 ug/L
RT: 4.40 min Scan# 447
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion: 84 Resp: 18400
Ion Ratio Lower Upper
84 100
86 65.6 43.0 79.8
49 115.2 89.1 165.5





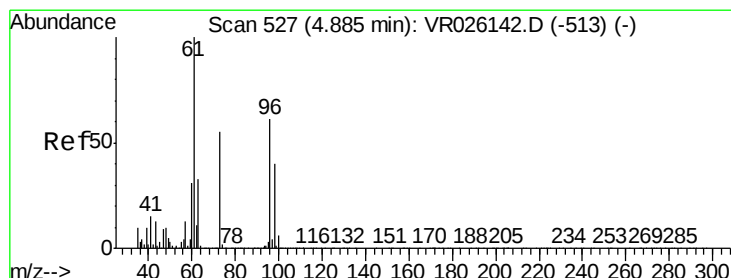
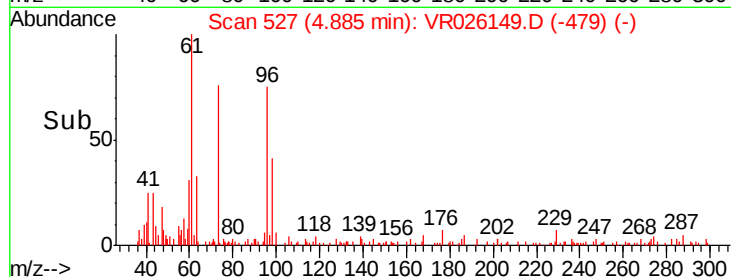
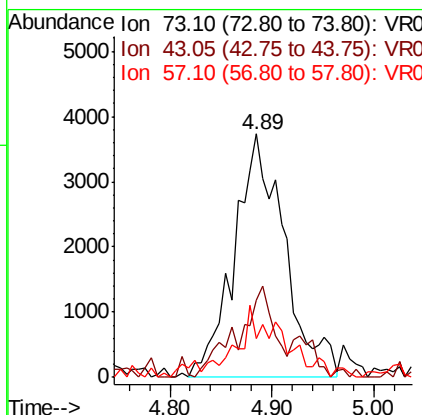
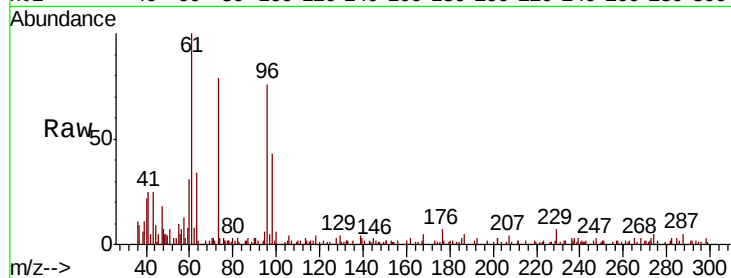
#17
Methvl tert-butvl Ether
Concen: 0.267 ug/L m
RT: 4.89 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Lower	Upper
73	100		
43	27.4	20.1	30.1
57	12.8	19.0	28.4

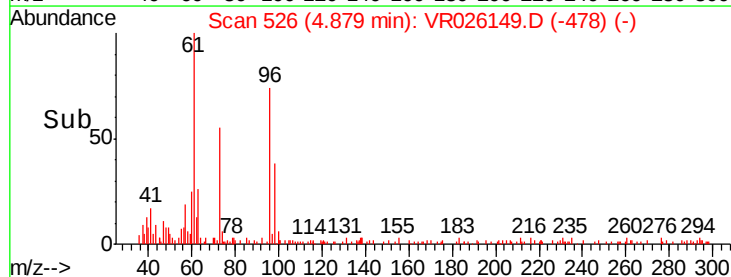
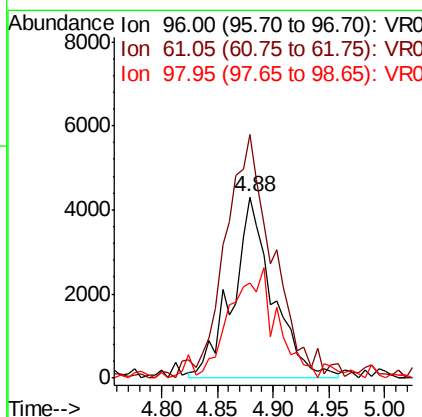
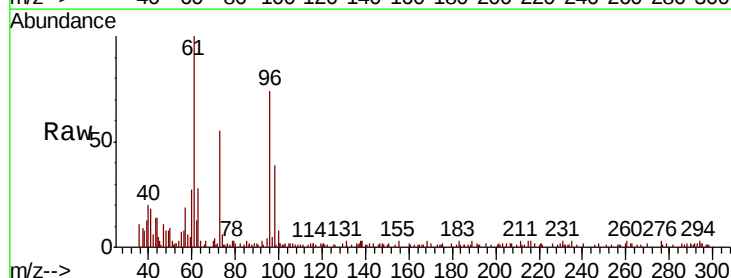
Manual Integrations
APPROVED

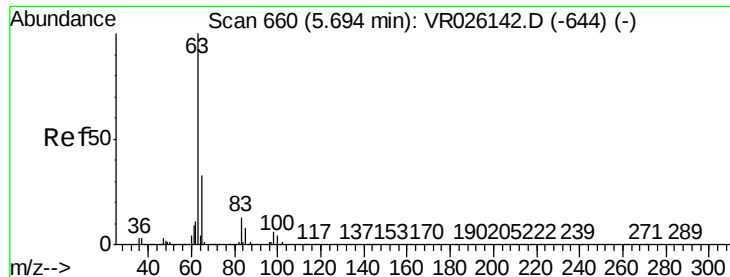
MMDadoda
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#18
trans-1,2-Dichloroethene
Concen: 0.270 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.4	111.4	206.8
98	52.5	41.4	77.0





#19

1,1-Dichloroethane

Concen: 0.273 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

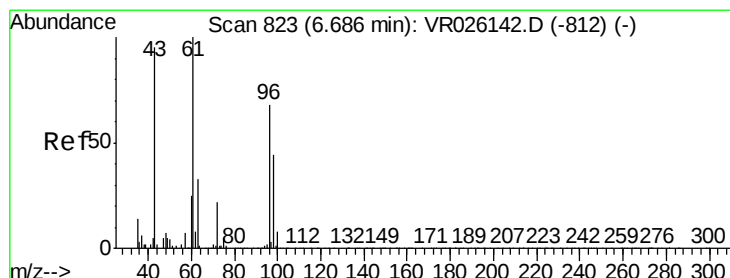
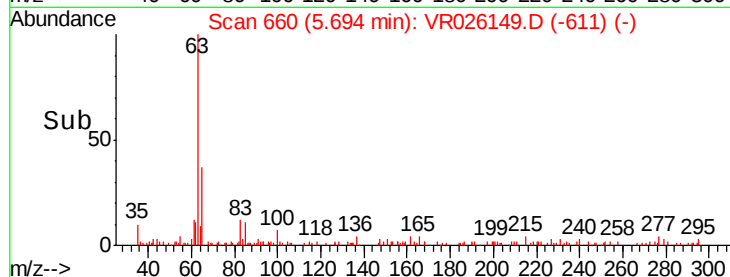
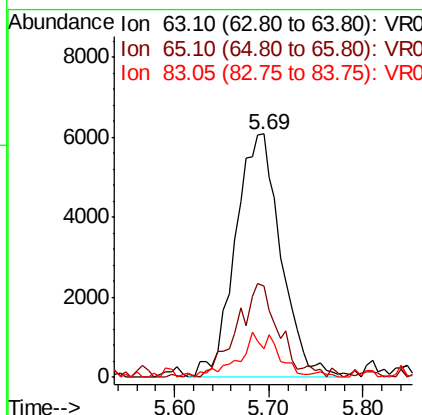
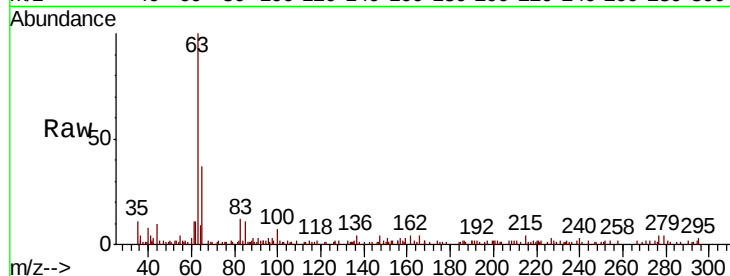
ClientSampleId :

MDL

Tot Ion:	63	Resp:	20540
Ion	Ratio	Lower	Upper
63	100		
65	37.4	21.2	39.4
83	11.7	9.2	17.2

Manual Integrations
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#21

2-Butanone

Concen: 2.770 ug/L m

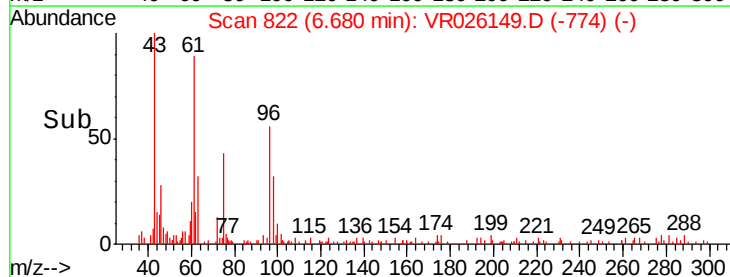
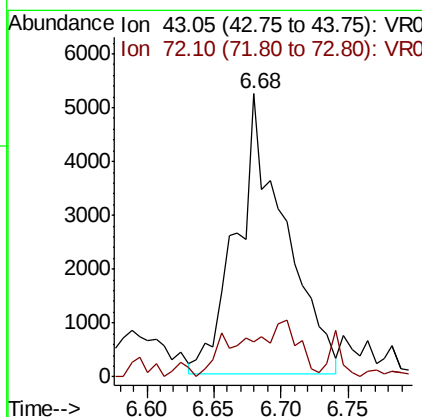
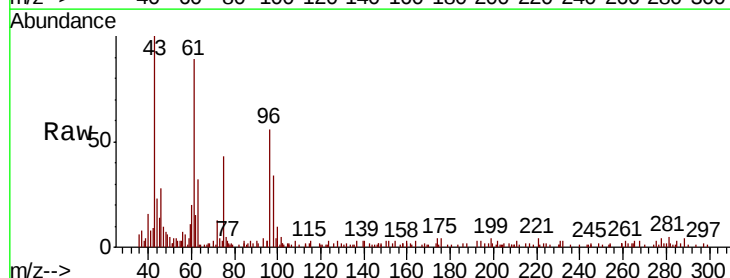
RT: 6.68 min Scan# 822

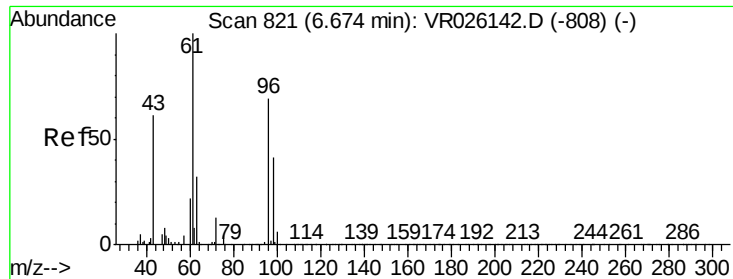
Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion:	43	Resp:	12943
Ion	Ratio	Lower	Upper
43	100		
72	2.8	12.3	36.8#





#22

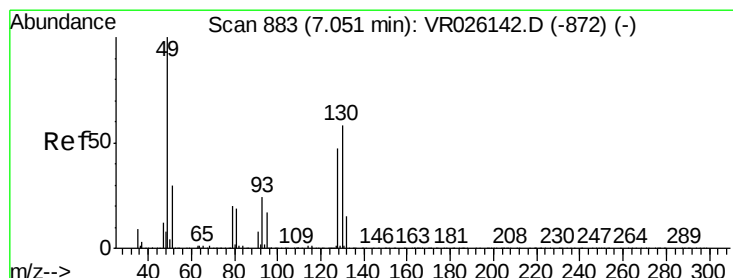
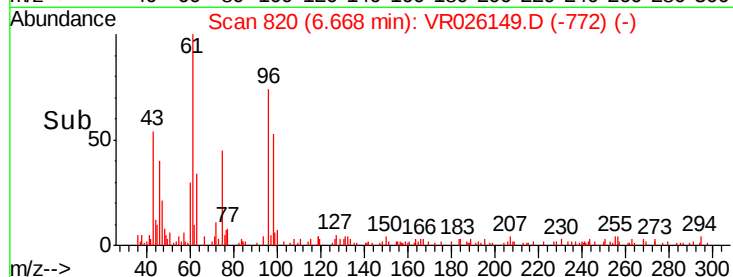
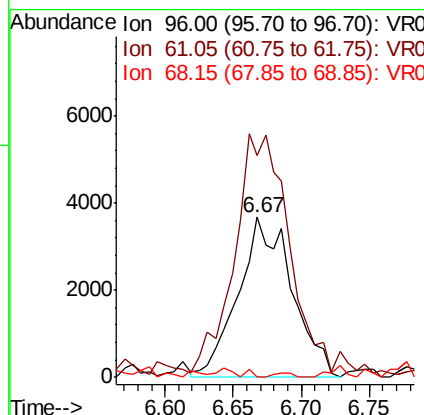
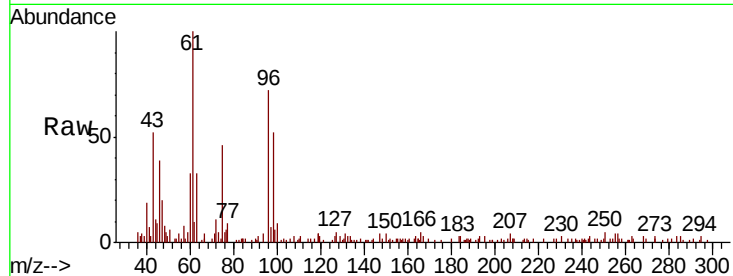
cis-1,2-Dichloroethene
Concen: 0.267 ug/L
RT: 6.67 min Scan# 820
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	101.8	189.0
68	0.0	0.1	0.3#

Manual Integrations
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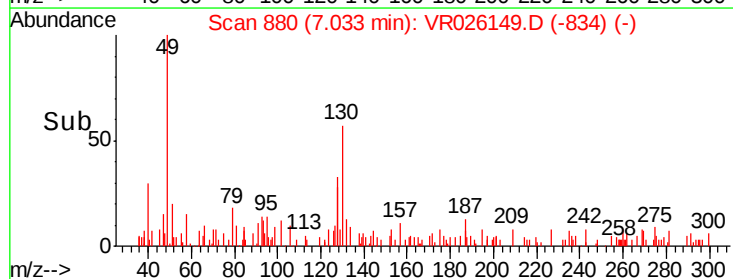
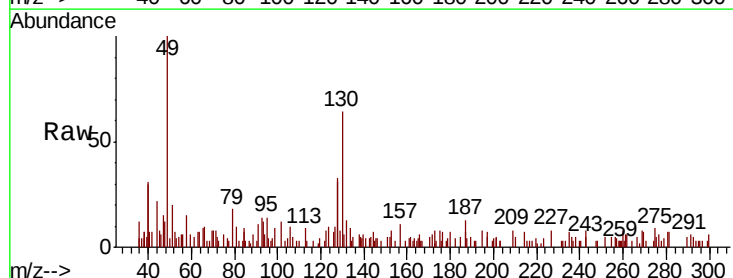
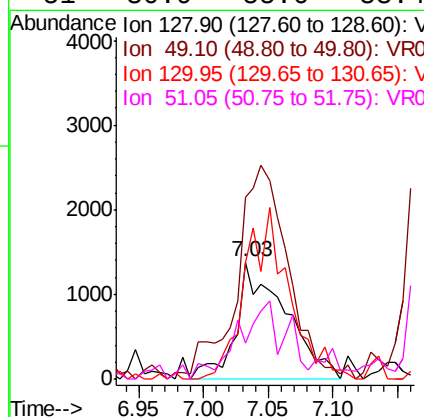
MMDadoda
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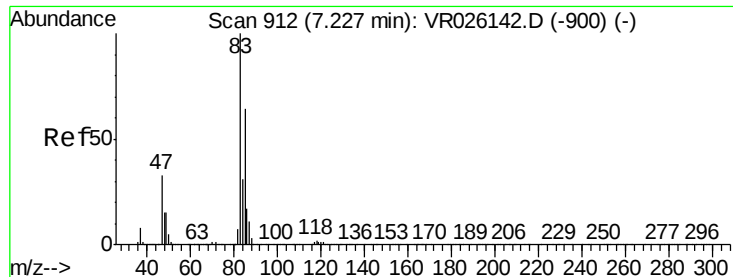


#23

Bromochloromethane
Concen: 0.347 ug/L
RT: 7.03 min Scan# 880
Delta R.T. -0.02 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	161.4	146.2	271.4
130	99.8	92.5	171.7
51	30.9	55.6	83.4#





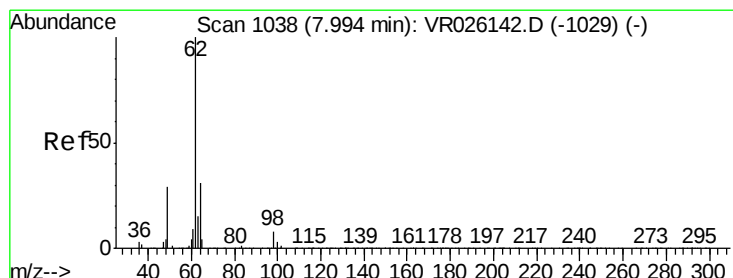
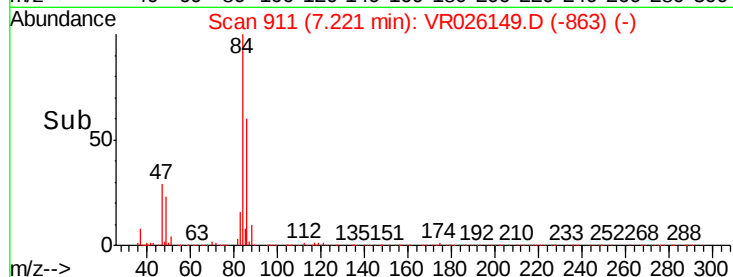
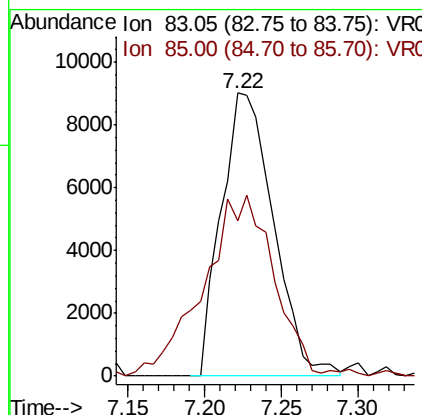
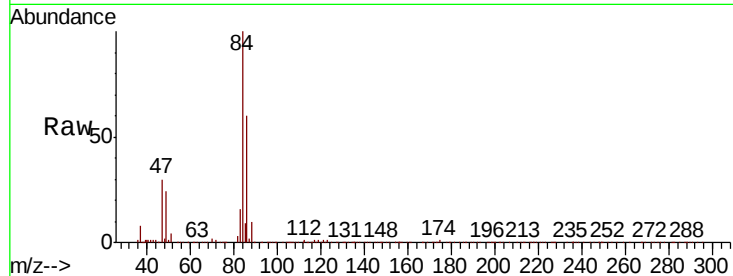
#25
Chloroform
Concen: 0.291 ug/L
RT: 7.22 min Scan# 911
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	83	Resp	21362
Ion Ratio	100	Lower	Upper
85	55.0	43.5	80.7

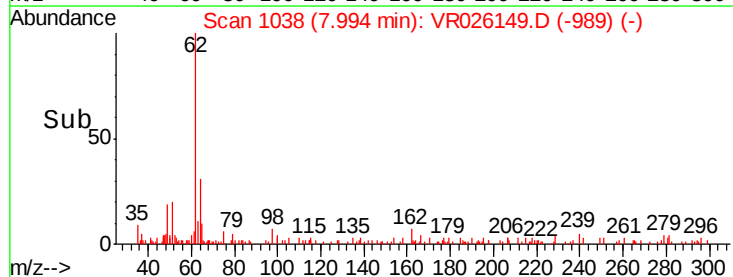
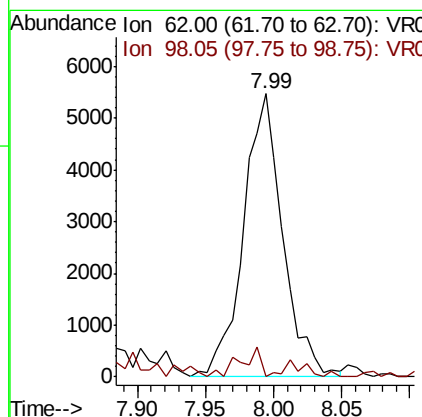
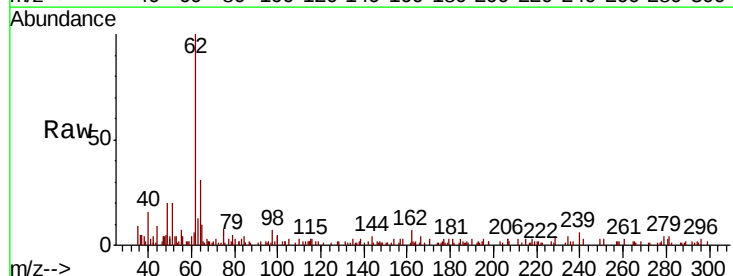
Manual Integrations
APPROVED

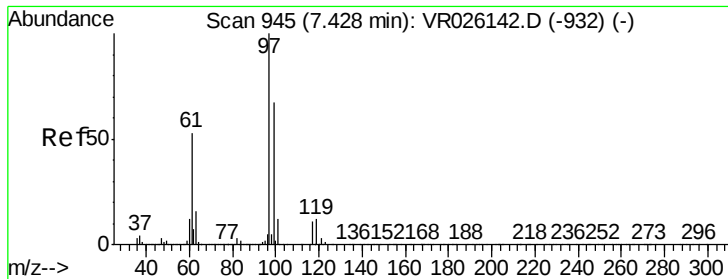
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#27
1,2-Dichloroethane
Concen: 0.307 ug/L
RT: 7.99 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	62	Resp	11037
Ion Ratio	100	Lower	Upper
98	0.0	5.6	8.4#





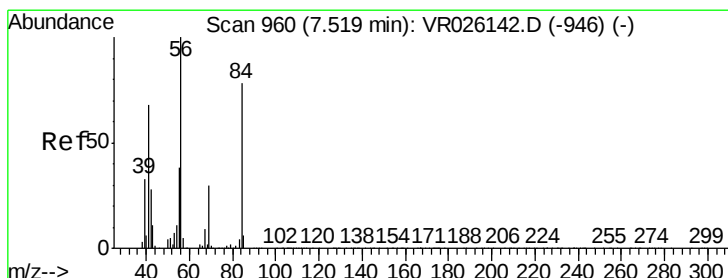
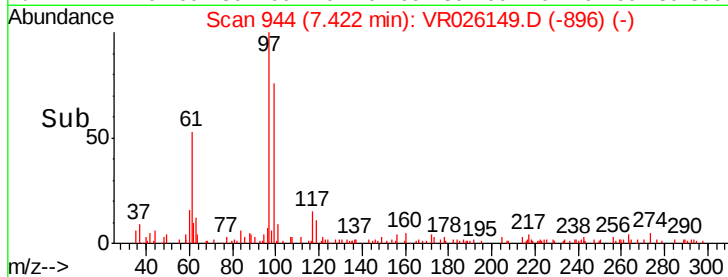
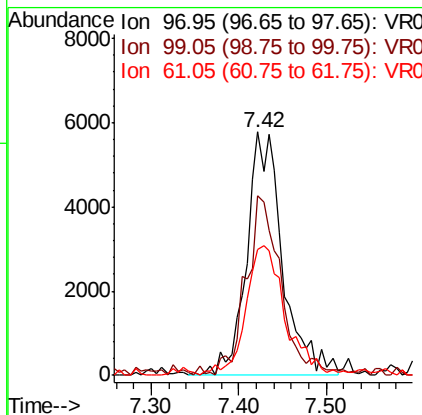
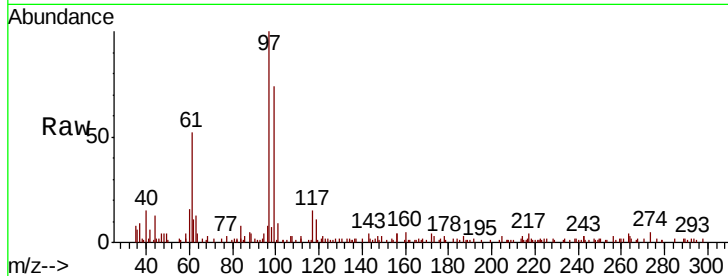
#29
1,1,1-Trichloroethane
Concen: 0.261 ug/L
RT: 7.42 min Scan# 944
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion:	97	Resp:	16513
Ion	Ratio	Lower	Upper
97	100		
99	71.7	51.1	76.7
61	58.6	42.1	63.1

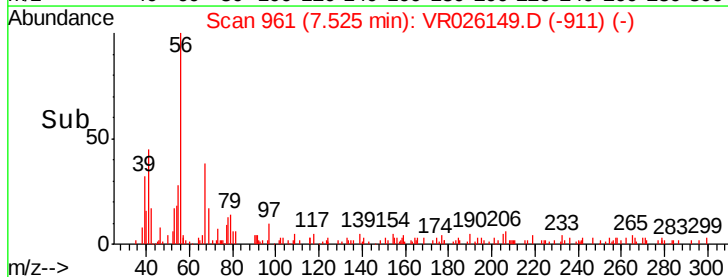
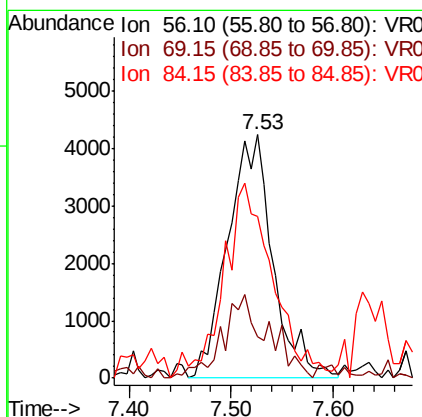
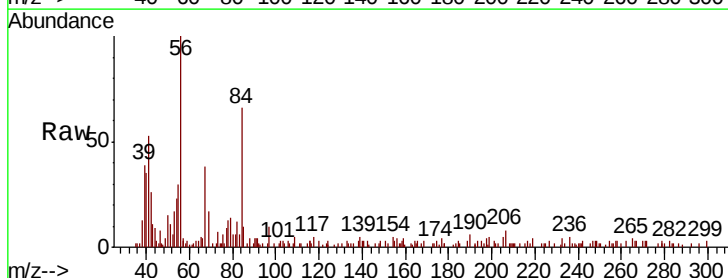
Manual Integrations
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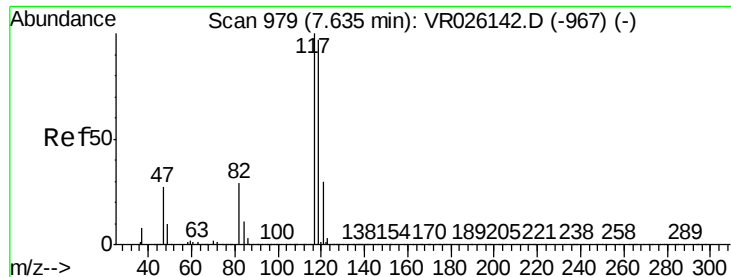
MMDadoda
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#30
Cyclohexane
Concen: 0.206 ug/L
RT: 7.53 min Scan# 961
Delta R.T. 0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion:	56	Resp:	13073
Ion	Ratio	Lower	Upper
56	100		
69	24.9	23.8	35.8
84	76.5	62.2	93.4





#31

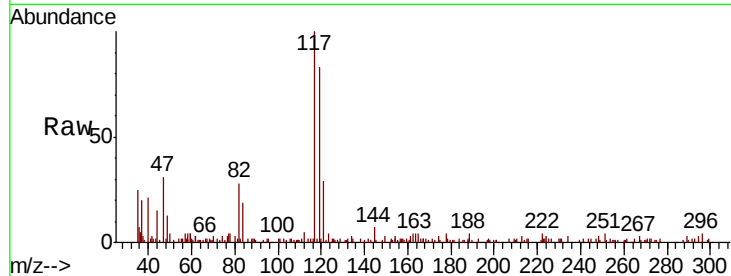
Carbon tetrachloride
Concen: 0.258 ug/L
RT: 7.64 min Scan# 980
Delta R.T. 0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

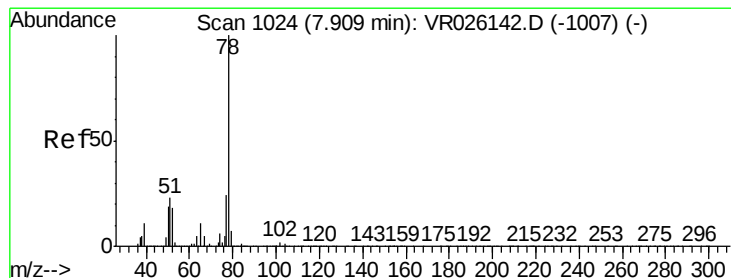
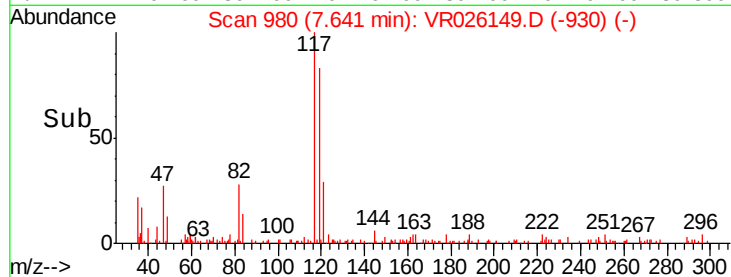
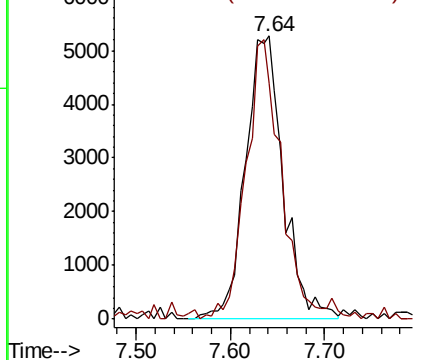
Tot Ion:117 Resp: 14830
Ion Ratio Lower Upper
117 100
119 91.4 74.2 111.2

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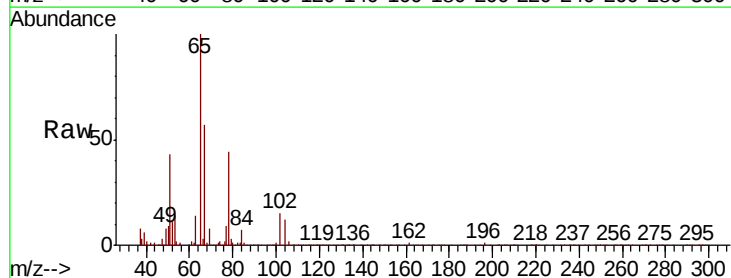
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



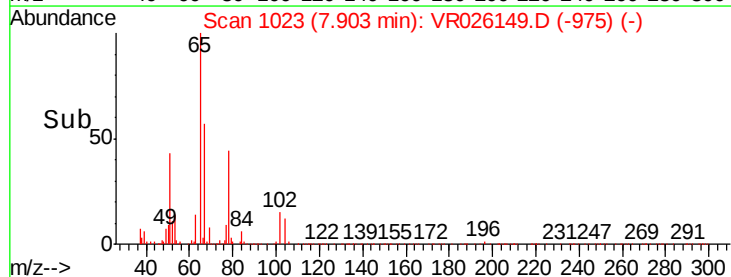
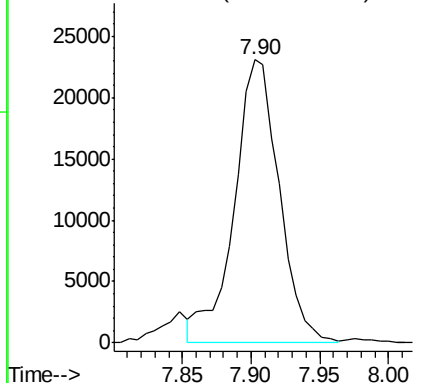
#33

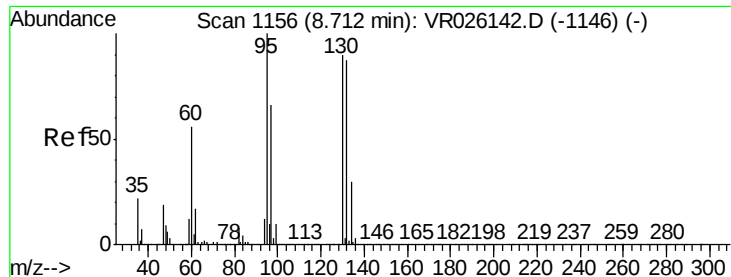
Benzene
Concen: 0.303 ug/L m
RT: 7.90 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion: 78 Resp: 52665



Abundance Ion 78.10 (77.80 to 78.80): VR0





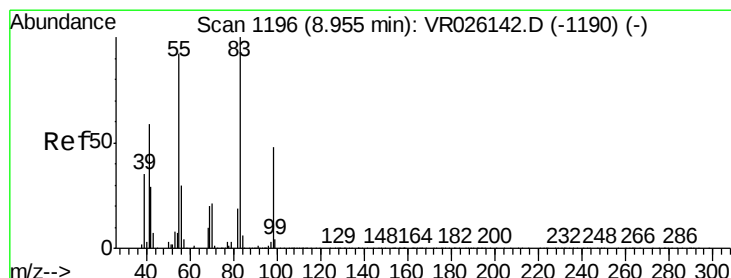
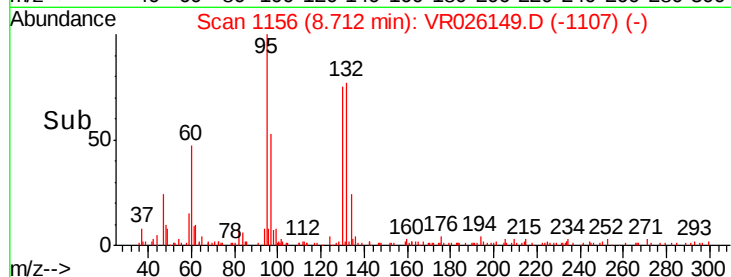
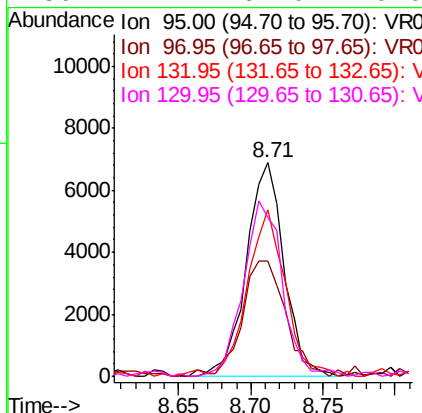
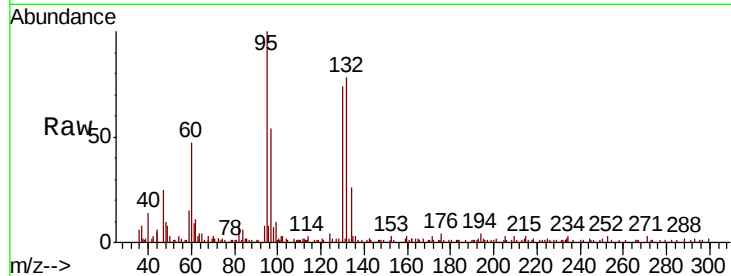
#34
 Trichloroethene
 Concen: 0.280 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Instrument :
 MSVOA_R
 ClientSampled :
 MDL

Tot Ion	95	Resp	12440
Ion	Ratio	Lower	Upper
95	100		
97	54.2	45.7	84.9
132	77.7	58.3	108.3
130	74.2	64.0	119.0

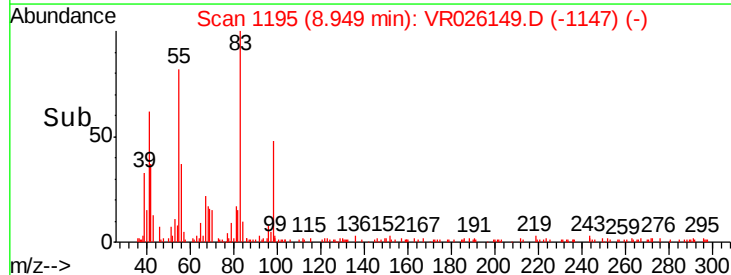
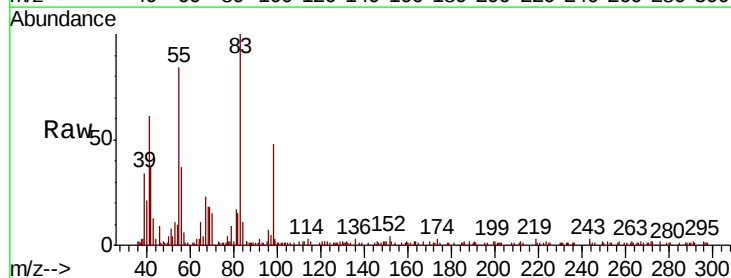
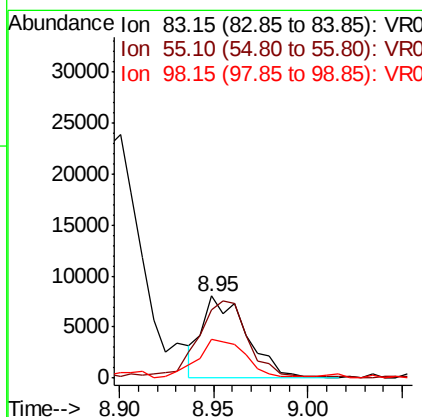
Manual Integrations
 APPROVED

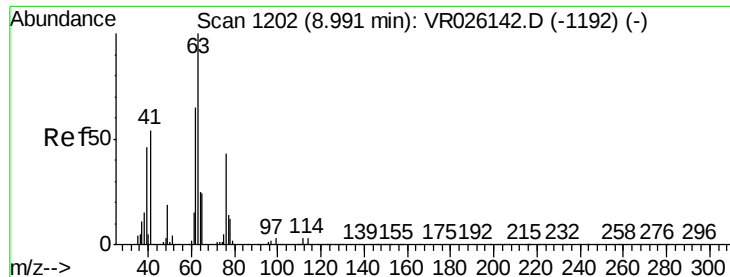
MMDadoda
 10/24/2018 12:17:18 PM



#35
 Methylcyclohexane
 Concen: 0.198 ug/L
 RT: 8.95 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Tgt Ion	83	Resp	13128
Ion	Ratio	Lower	Upper
83	100		
55	109.9	66.8	100.2#
98	52.3	35.2	52.8





#37

1,2-Dichloropropane

Concen: 0.293 ug/L

RT: 8.99 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VR026149.D

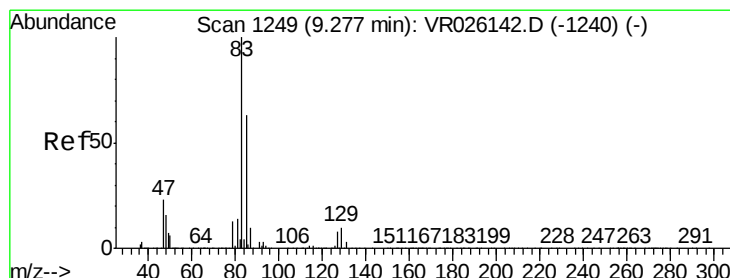
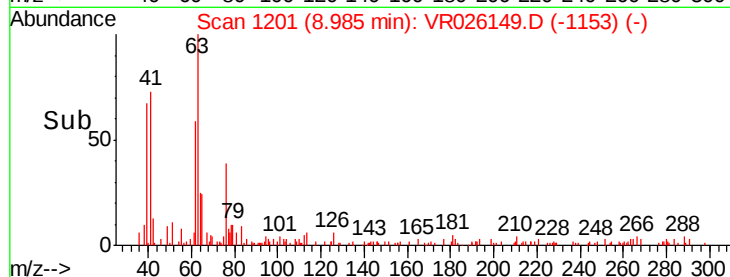
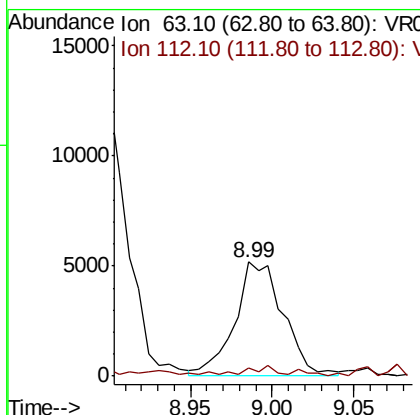
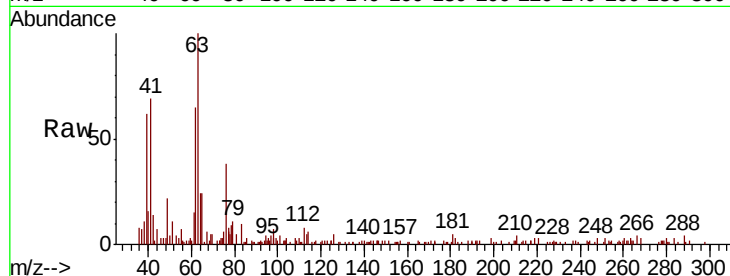
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
63	100		
112	5.3	2.7	4.1#

Manual Integrations
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#38

Bromodichloromethane

Concen: 0.258 ug/L

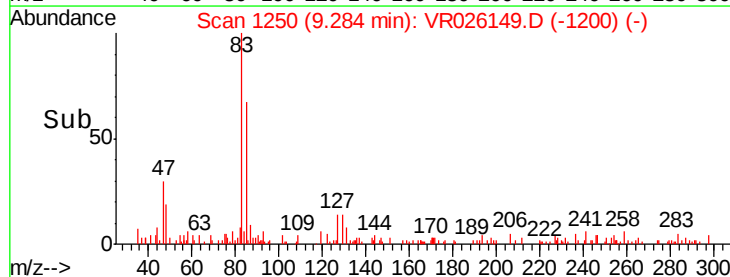
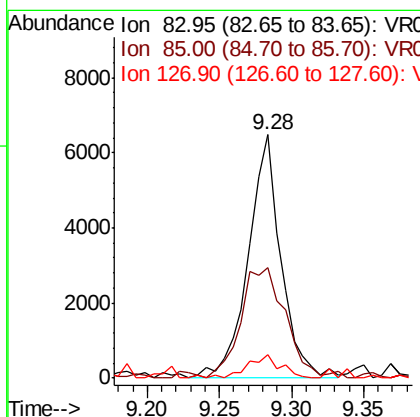
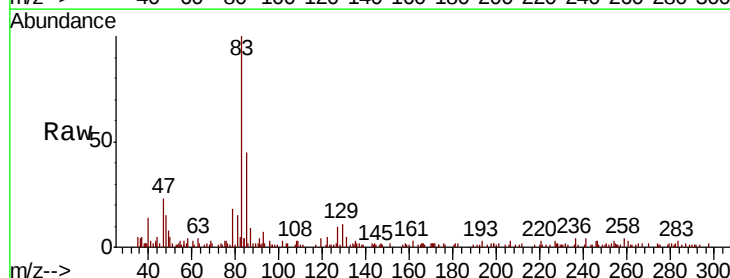
RT: 9.28 min Scan# 1250

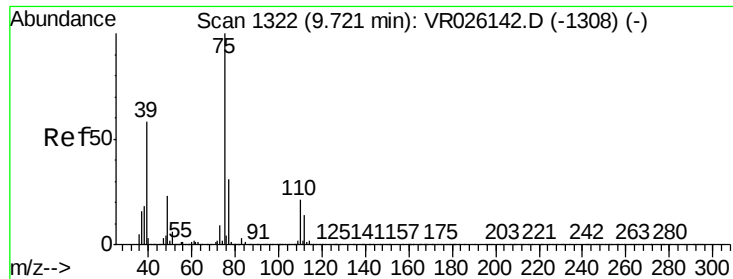
Delta R.T. 0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	45.2	43.5	80.7
127	9.6	7.0	10.6





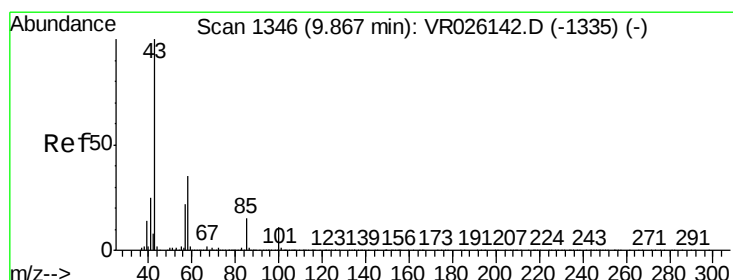
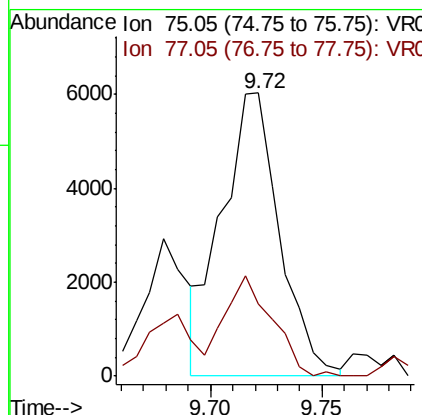
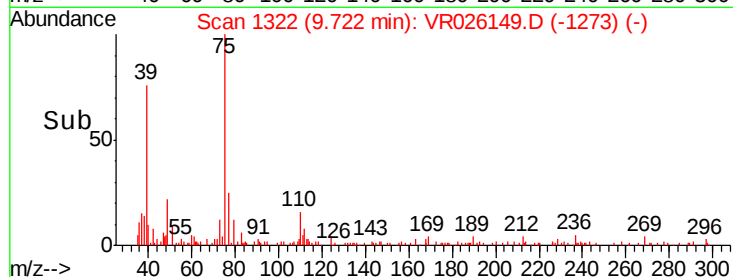
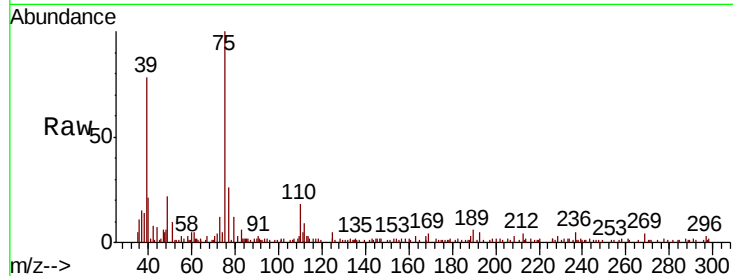
#39
 cis-1,3-Dichloropropene
 Concen: 0.259 ug/L
 RT: 9.72 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion: 75 Resp: 10869
 Ion Ratio Lower Upper
 75 100
 77 25.6 22.7 42.1

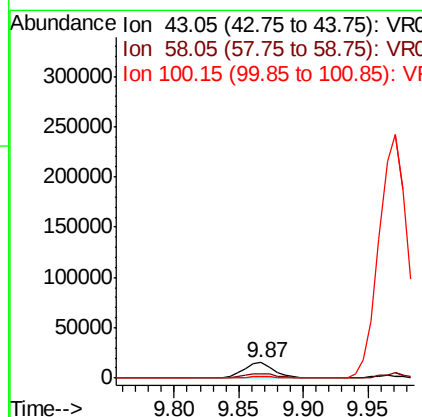
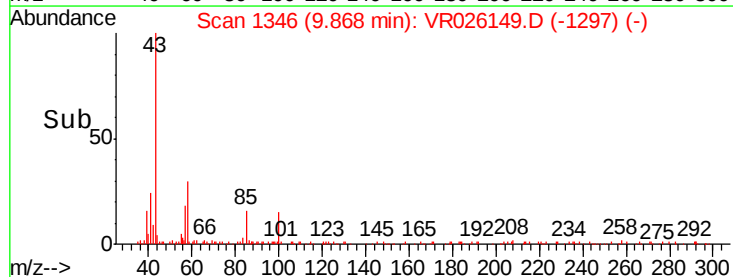
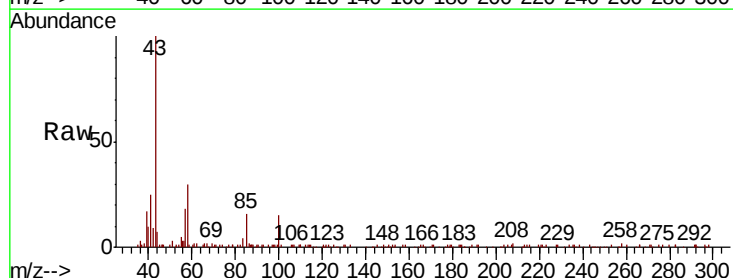
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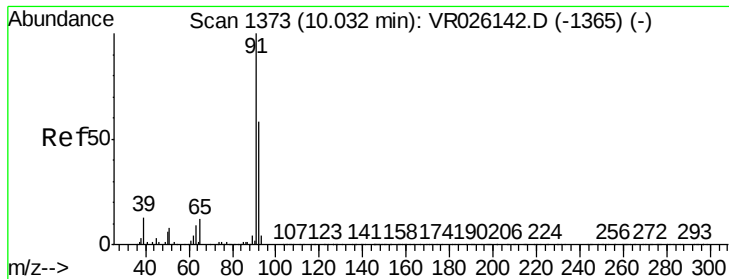
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.223 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. 0.00 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Tgt Ion: 43 Resp: 24886
 Ion Ratio Lower Upper
 43 100
 58 36.0 28.1 42.1
 100 0.0 9.3 13.9#





#42

Toluene

Concen: 0.262 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 48048

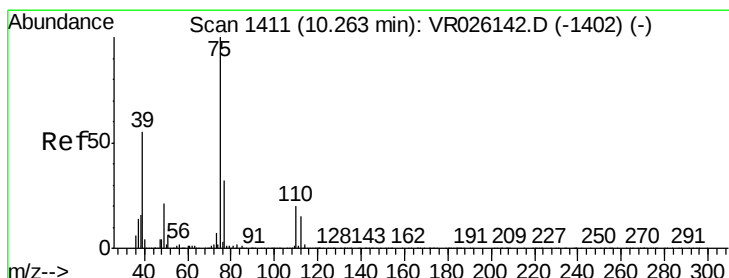
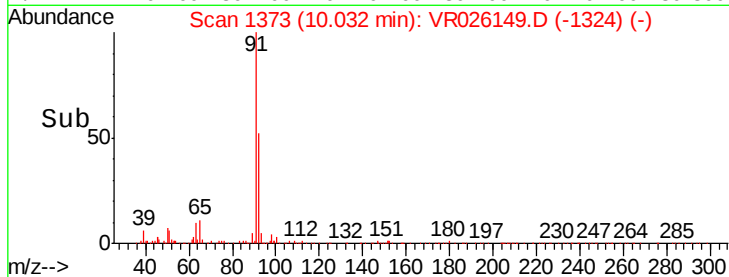
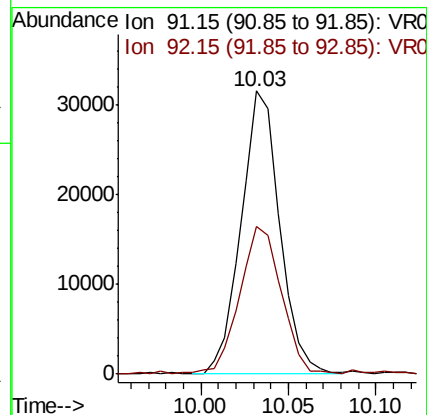
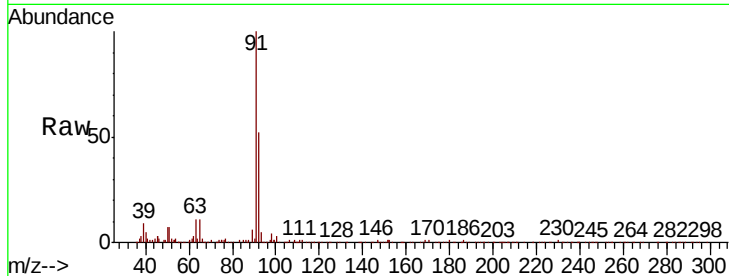
Ion Ratio Lower Upper

91 100

92 52.3 40.8 75.8

Manual Integrations
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#44

trans-1,3-Dichloropropene

Concen: 0.322 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. 0.00 min

Lab File: VR026149.D

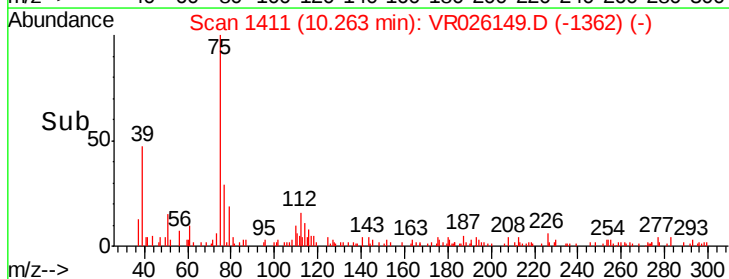
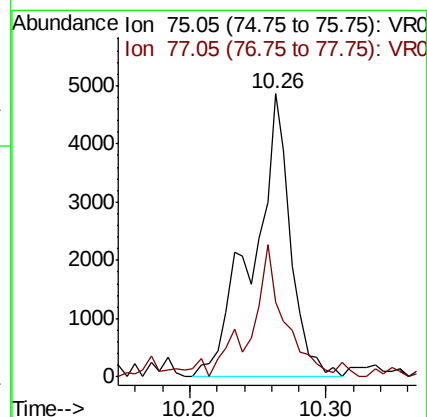
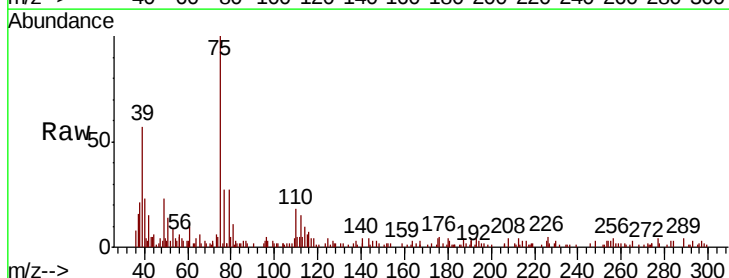
Acq: 19 Oct 2018 14:37

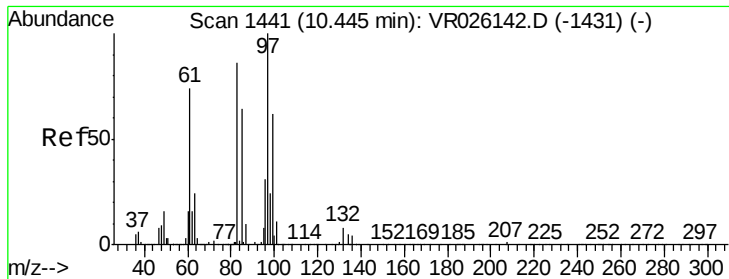
Tgt Ion: 75 Resp: 9429

Ion Ratio Lower Upper

75 100

77 26.5 24.1 44.7





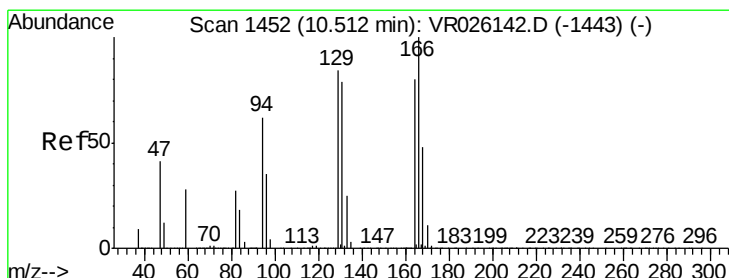
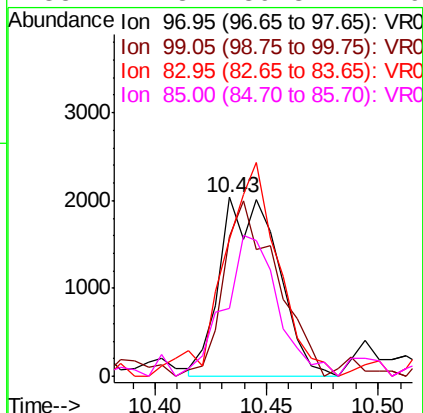
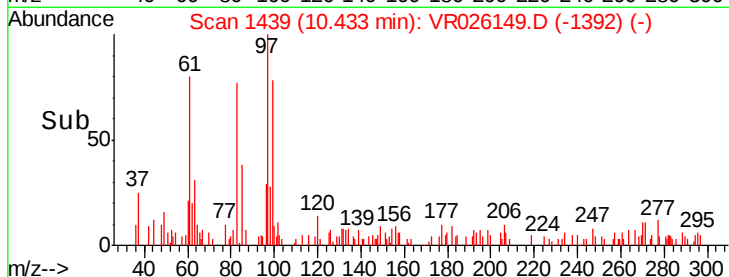
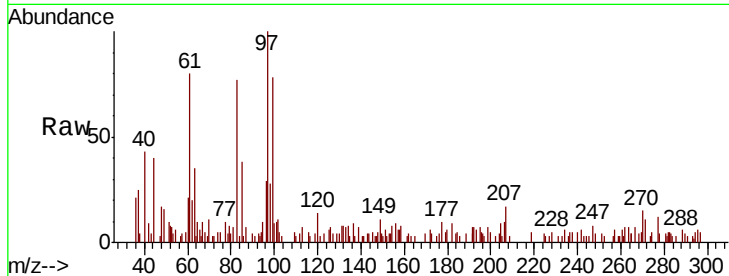
#45
 1,1,2-Trichloroethane
 Concen: 0.237 ug/L
 RT: 10.43 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion:	97	Resp:	3664
Ion	Ratio	Lower	Upper
97	100		
99	77.5	42.8	79.4
83	76.6	61.9	114.9
85	41.3	39.3	72.9

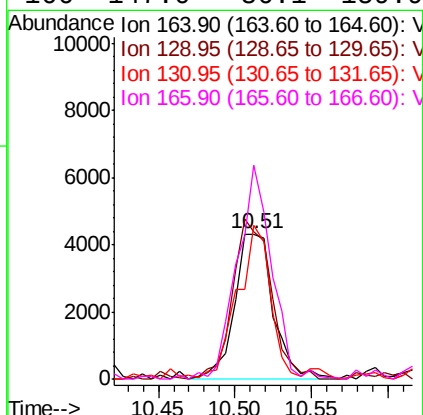
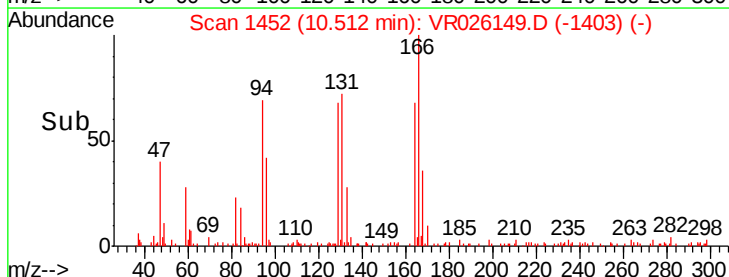
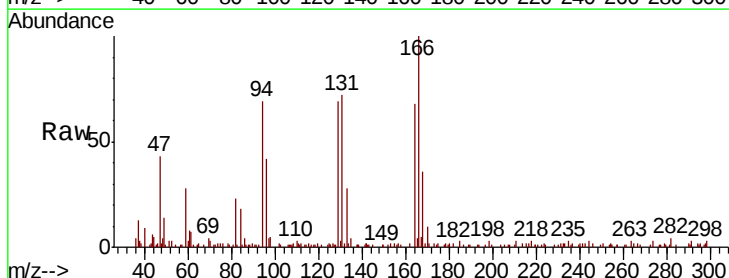
Manual Integrations
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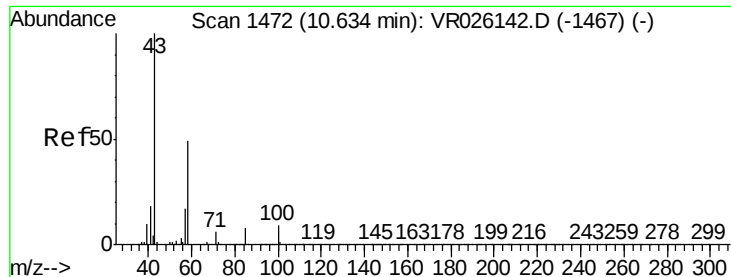
MMDadoda
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#47
 Tetrachloroethene
 Concen: 0.239 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Tgt Ion:	164	Resp:	7584
Ion	Ratio	Lower	Upper
164	100		
129	101.2	70.3	130.5
131	105.8	67.3	125.1
166	147.0	86.1	159.9





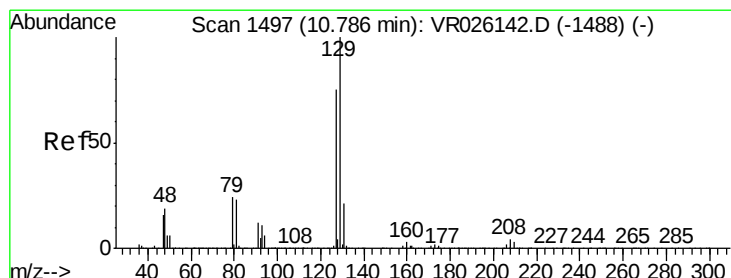
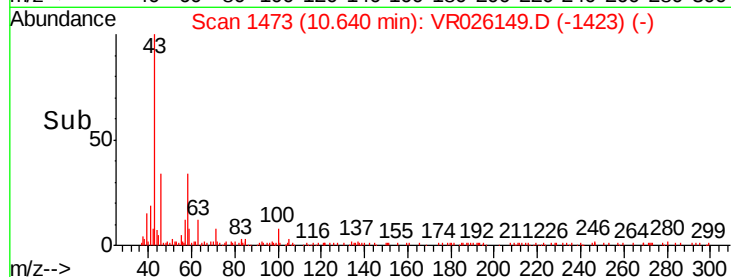
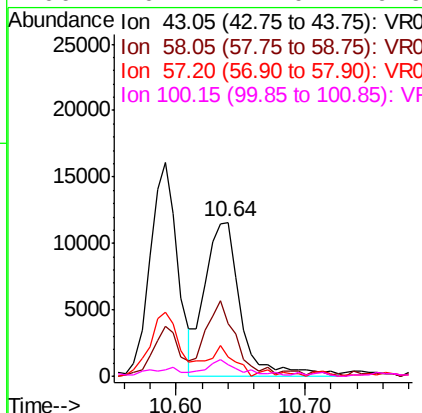
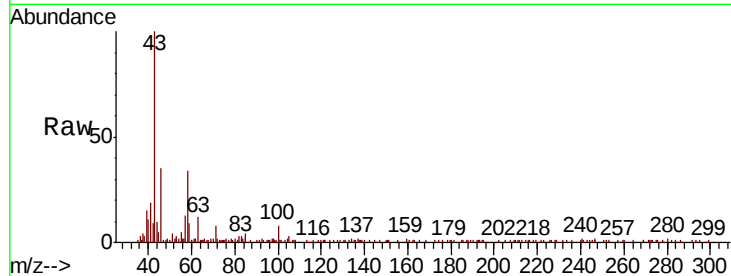
#48
2-Hexanone
Concen: 3.087 ug/L
RT: 10.64 min Scan# 1473
Delta R.T. 0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	35.7	39.6	59.4#
57	11.9	14.0	21.0#
100	10.1	7.0	10.6

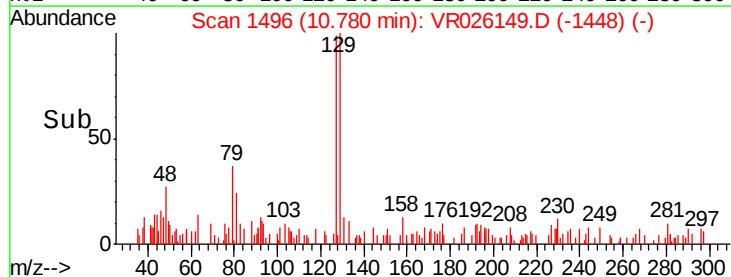
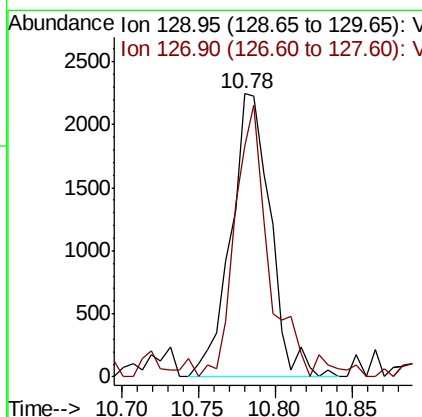
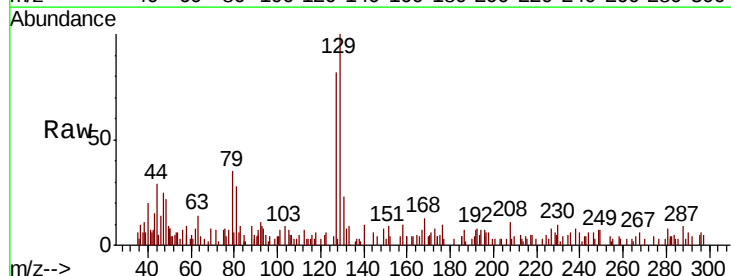
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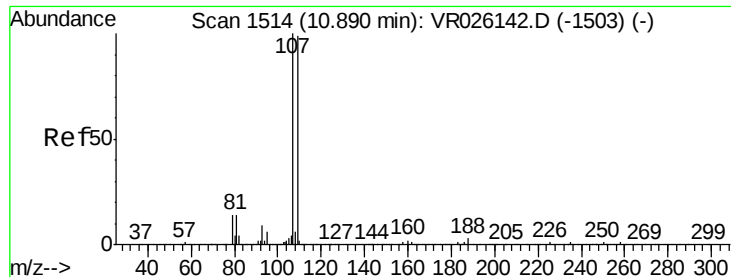
MMDadoda
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#49
Dibromochloromethane
Concen: 0.230 ug/L
RT: 10.78 min Scan# 1496
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.8	55.0	102.2





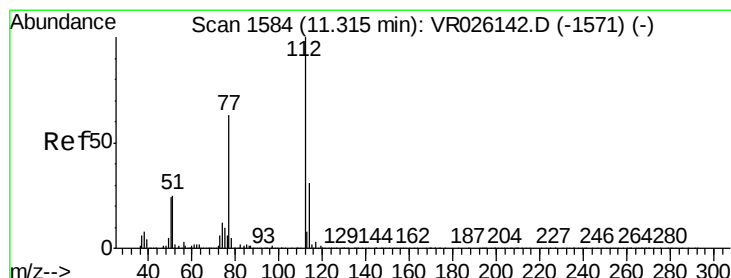
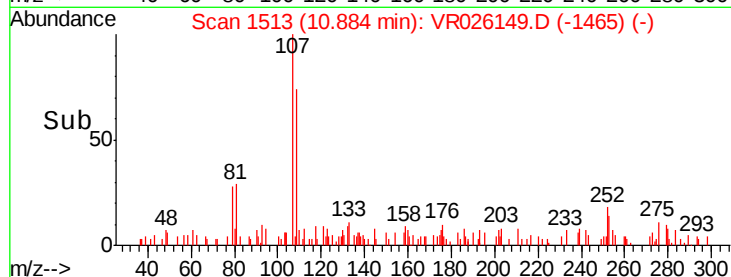
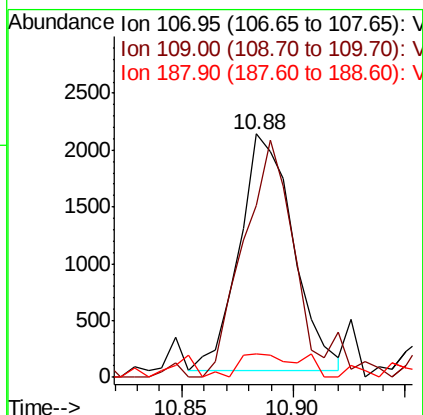
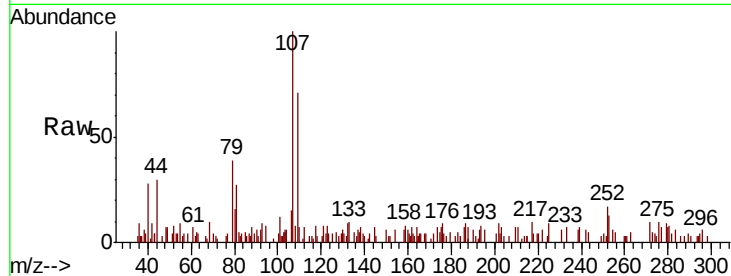
#50
1,2-Dibromoethane
Concen: 0.262 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Resp	Lower	Upper
107	100	3500		
109	70.8	58.7	109.1	
188	9.7	2.9	4.3#	

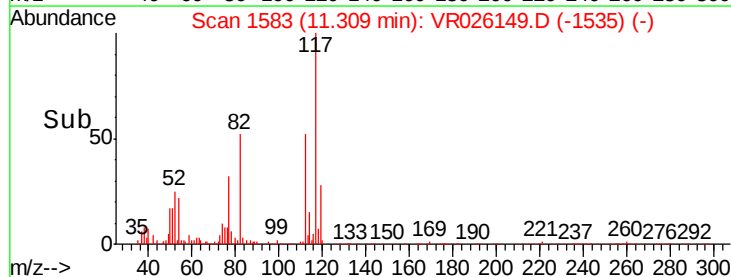
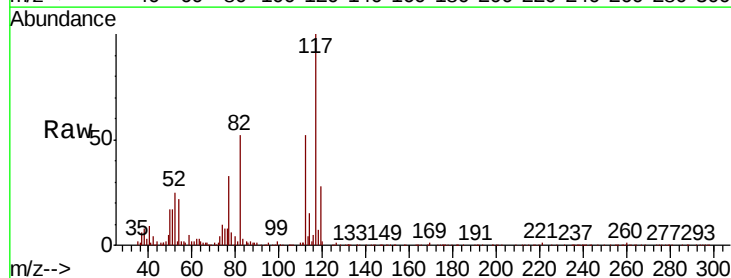
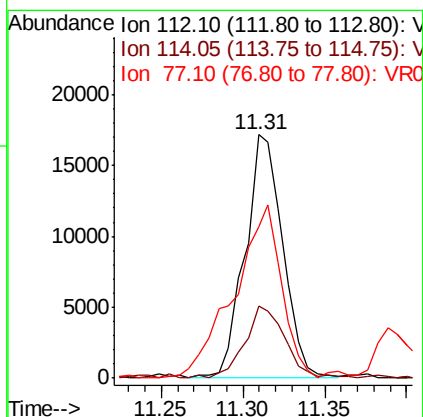
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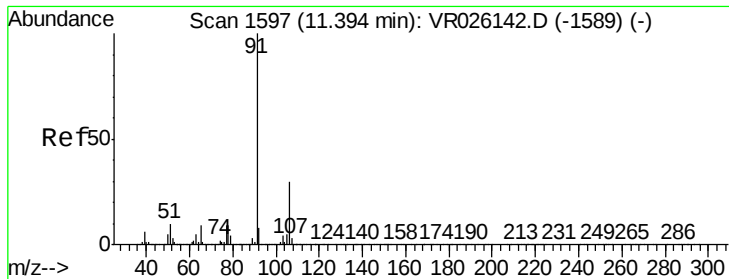
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#51
Chlorobenzene
Concen: 0.272 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	27660		
114	29.5	22.8	42.4	
77	62.1	51.5	77.3	





#52

Ethylbenzene

Concen: 0.233 ug/L

RT: 11.39 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 49128

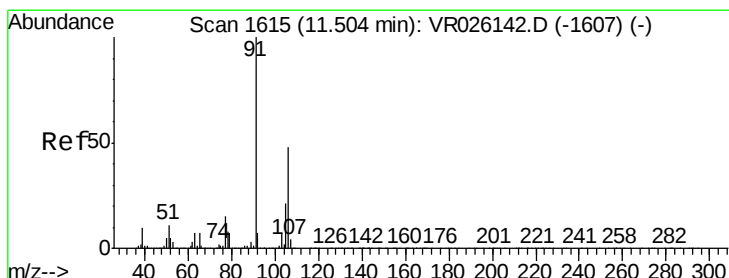
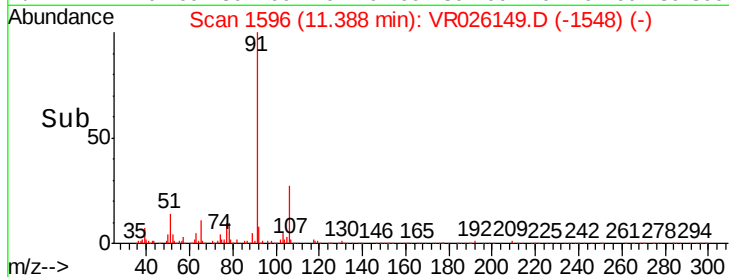
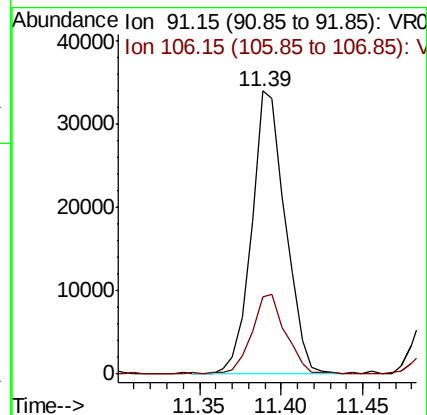
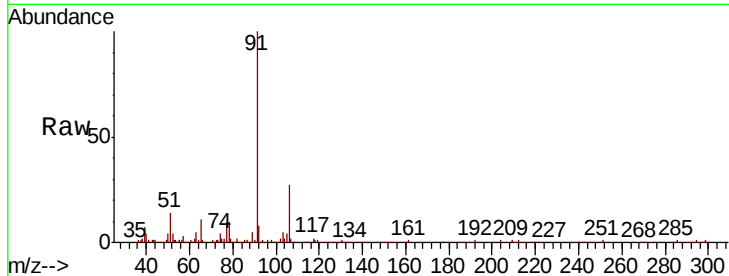
Ion Ratio Lower Upper

91 100

106 27.3 21.2 39.4

Manual Integrations
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#53

m,p-Xylene

Concen: 0.212 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VR026149.D

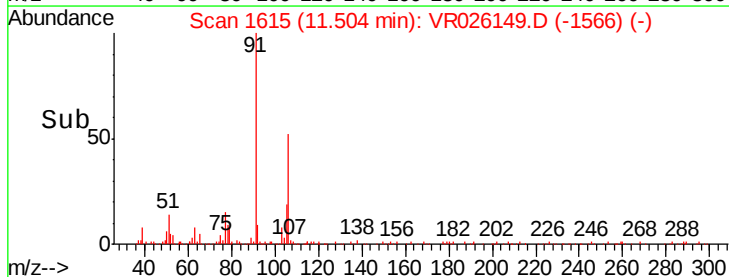
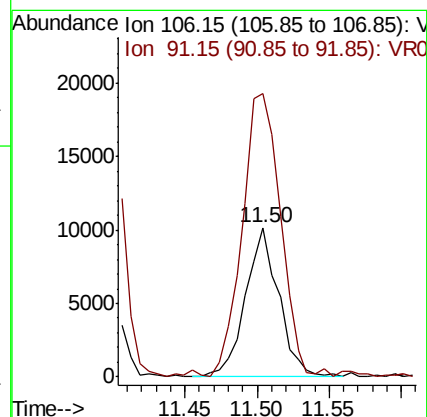
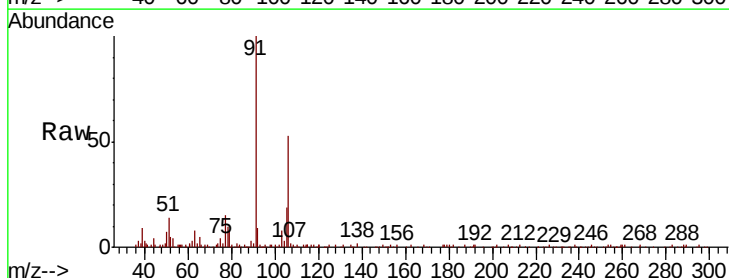
Acq: 19 Oct 2018 14:37

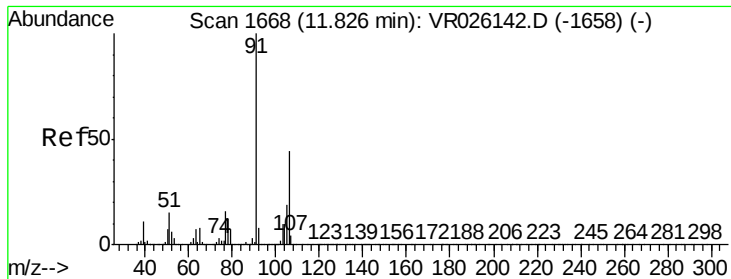
Tgt Ion: 106 Resp: 16262

Ion Ratio Lower Upper

106 100

91 189.8 145.3 269.8





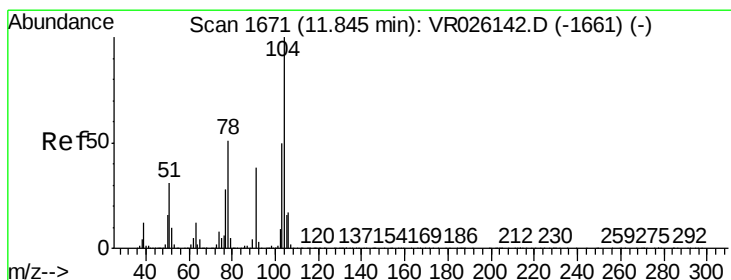
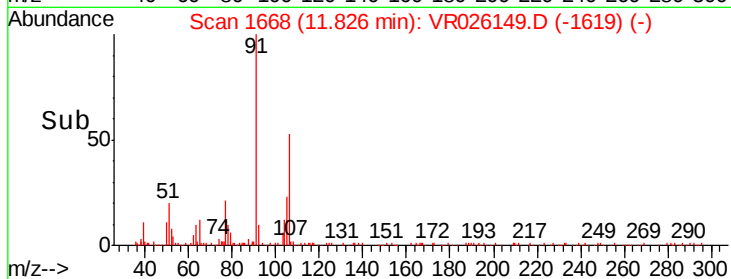
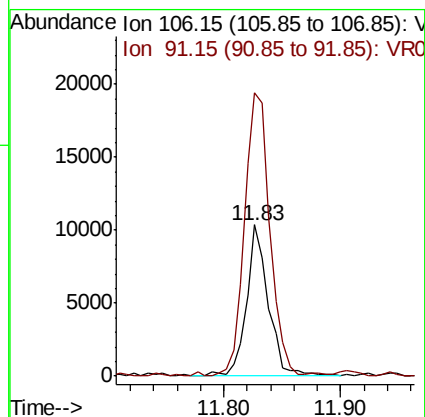
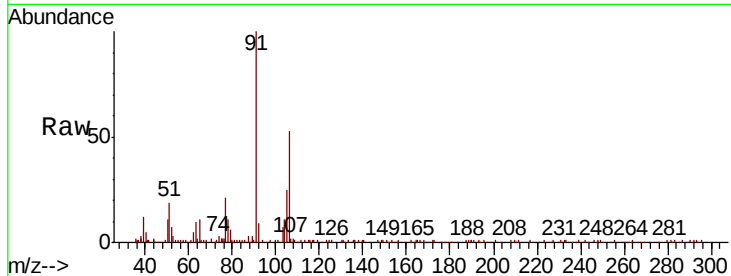
#54
o-Xylene
Concen: 0.194 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. 0.00 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion:106 Resp: 13697
Ion Ratio Lower Upper
106 100
91 187.0 155.8 289.3

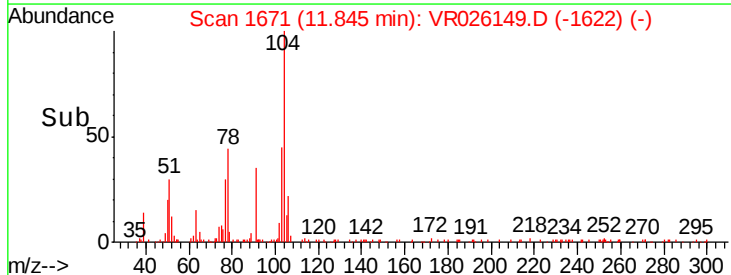
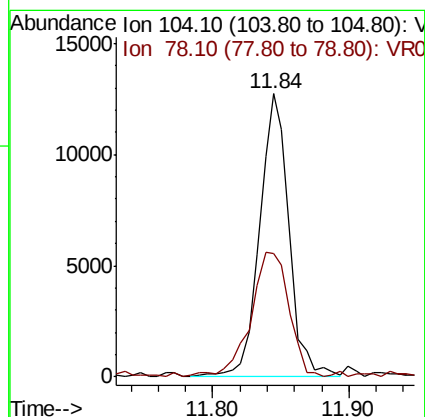
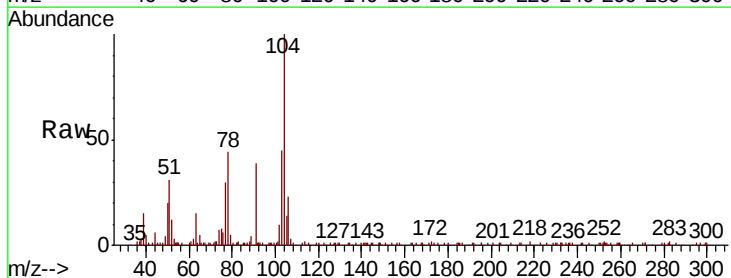
Manual Integrations
APPROVED

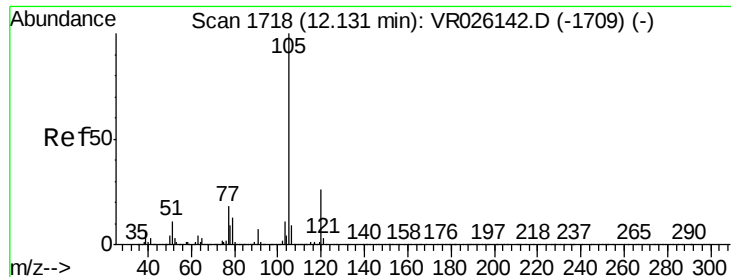
MMDadoda
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#55
Styrene
Concen: 0.178 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion:104 Resp: 19289
Ion Ratio Lower Upper
104 100
78 43.8 34.7 64.5





#56

Isopropylbenzene

Concen: 0.189 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

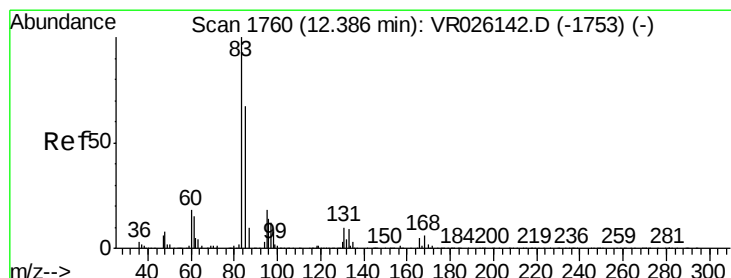
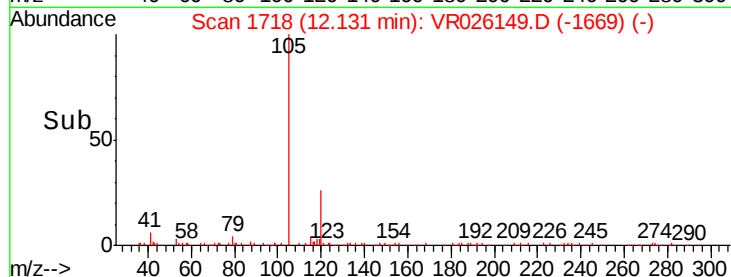
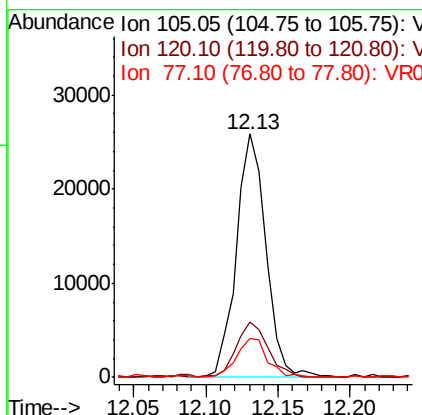
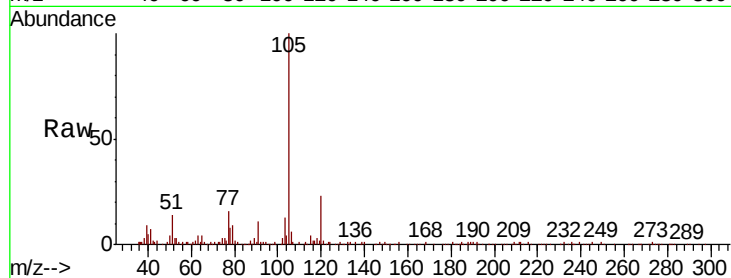
ClientSampleId :

MDL

Tot Ion:	105	Resp:	37069
Ion Ratio		Lower	Upper
105	100		
120	23.7	21.0	31.4
77	16.6	14.6	21.8

Manual Integrations
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MMDadoda
10/24/2018 12:17:18 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.292 ug/L

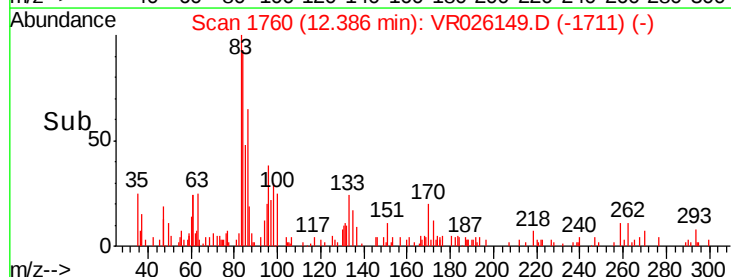
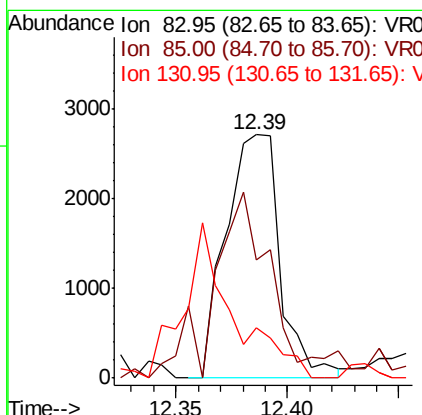
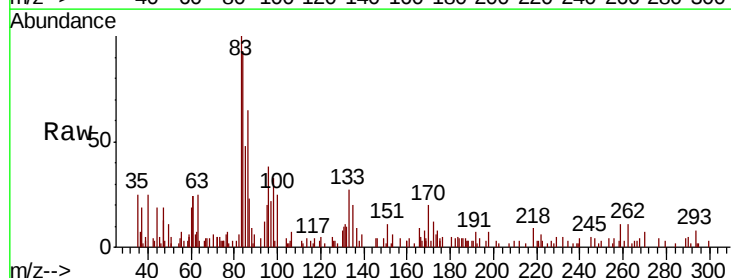
RT: 12.39 min Scan# 1760

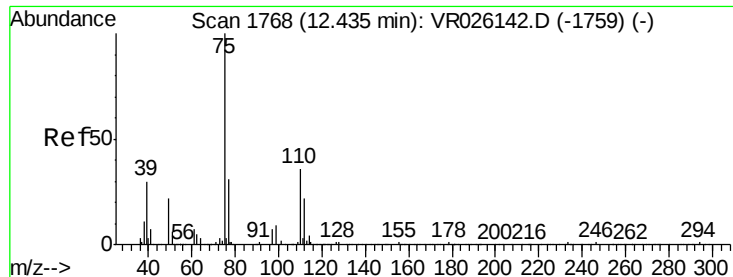
Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion:	83	Resp:	4586
Ion Ratio		Lower	Upper
83	100		
85	48.3	44.0	81.8
131	20.9	8.0	12.0#





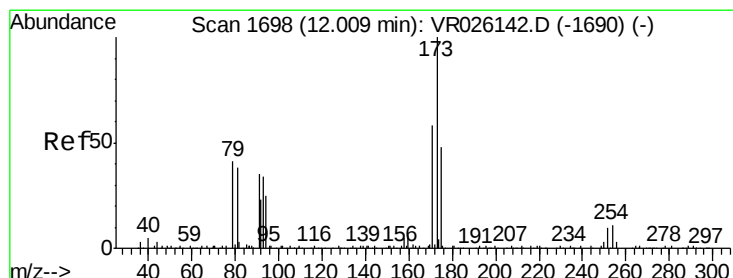
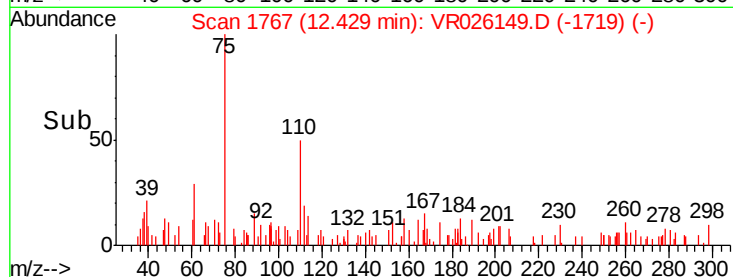
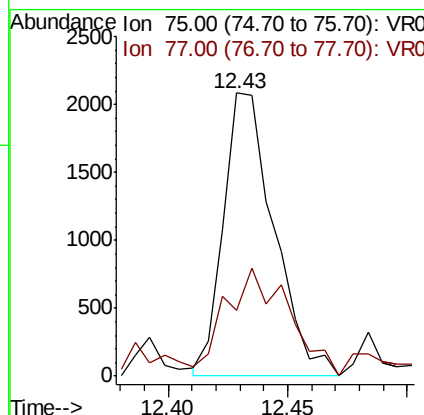
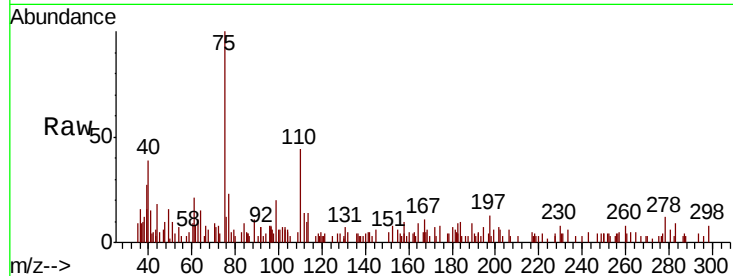
#59
 1,2,3-Trichloropropane
 Concen: 0.266 ug/L m
 RT: 12.43 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Instrument :
 MSVOA_R
 ClientSampled :
 MDL

Tot Ion: 75 Resp: 3064
 Ion Ratio Lower Upper
 75 100
 77 3.8 26.2 39.2#

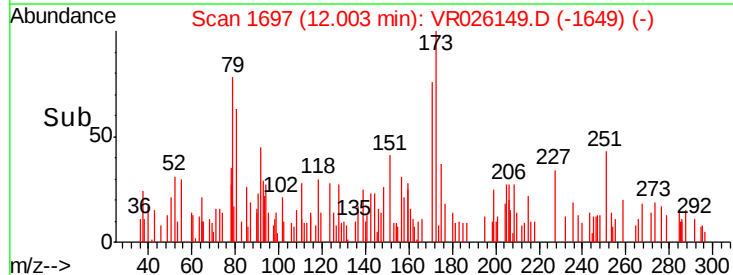
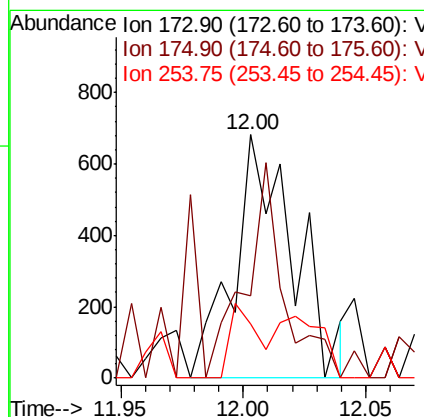
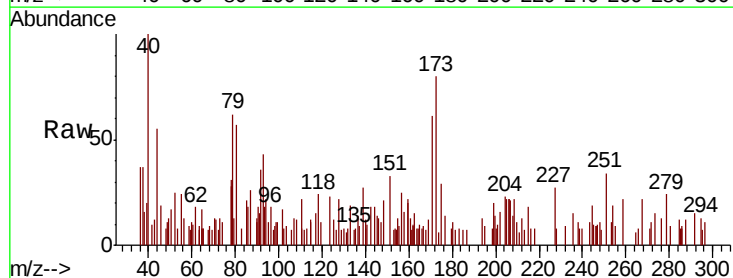
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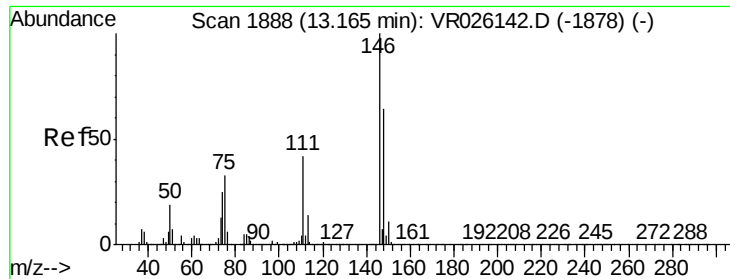
MMDadoda
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#61
 Bromoform
 Concen: 0.227 ug/L
 RT: 12.00 min Scan# 1697
 Delta R.T. -0.01 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Tgt Ion: 173 Resp: 1161
 Ion Ratio Lower Upper
 173 100
 175 54.6 39.0 58.4
 254 13.9 8.1 12.1#





#62

1,3-Dichlorobenzene

Concen: 0.241 ug/L

RT: 13.16 min Scan# 1888

Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

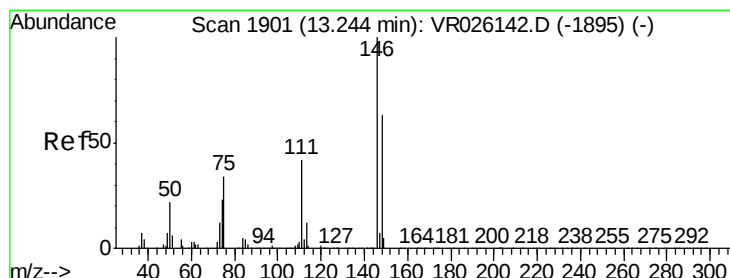
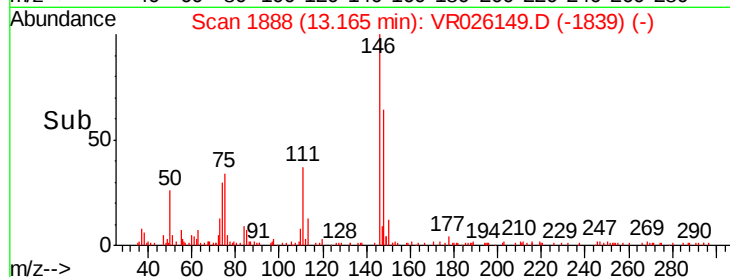
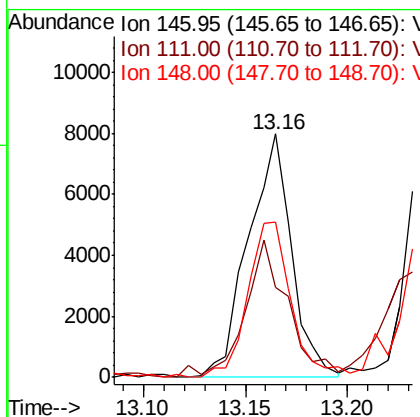
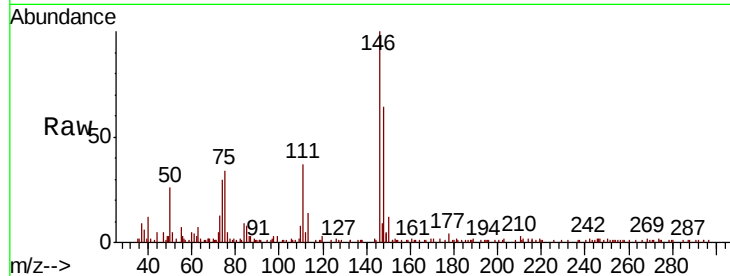
ClientSampled :

MDL

Tot Ion:	146	Resp:	11745
Ion Ratio	Lower	Upper	
146	100		
111	37.2	32.1	59.7
148	64.0	43.8	81.3

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#63

1,4-Dichlorobenzene

Concen: 0.292 ug/L

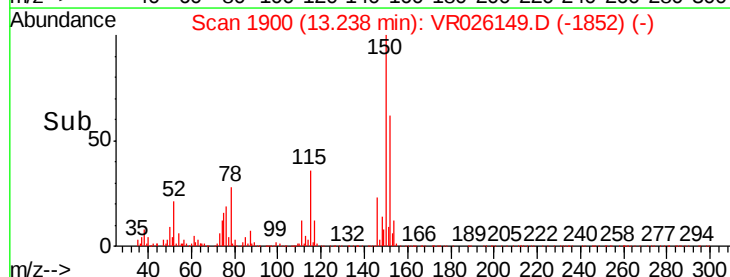
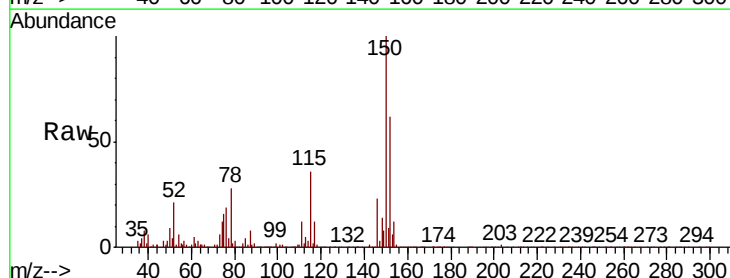
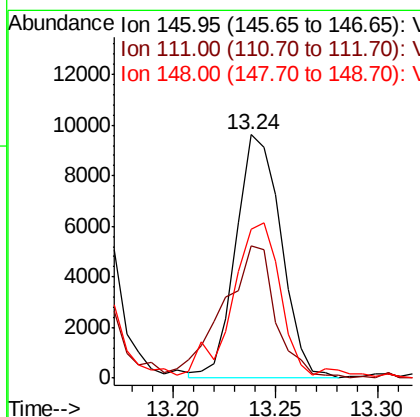
RT: 13.24 min Scan# 1900

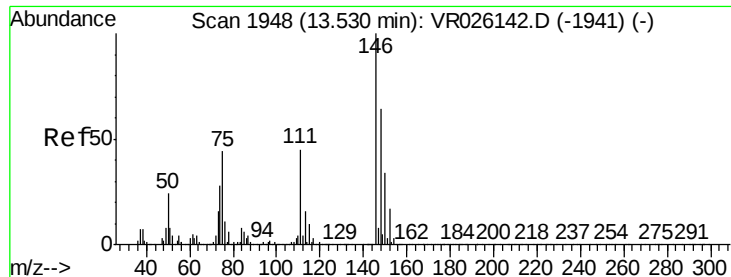
Delta R.T. -0.01 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion:	146	Resp:	14788
Ion Ratio	Lower	Upper	
146	100		
111	54.4	32.6	60.6
148	61.0	46.7	86.7





#65

1,2-Dichlorobenzene

Concen: 0.313 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Instrument :

MSVOA_R

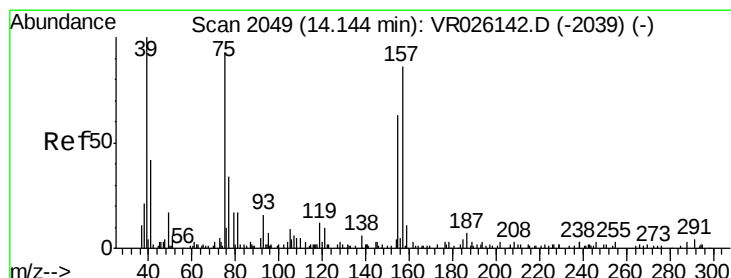
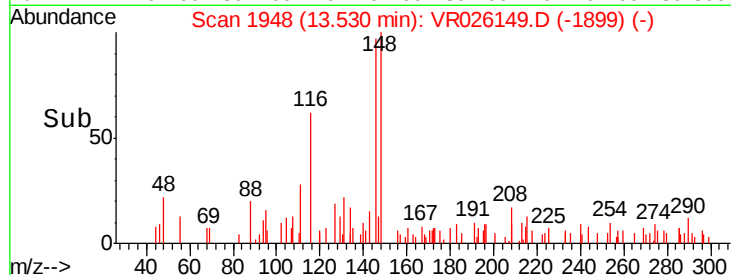
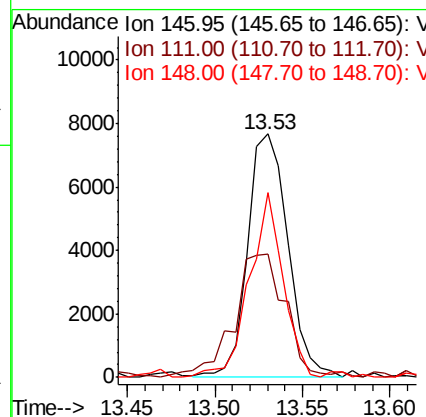
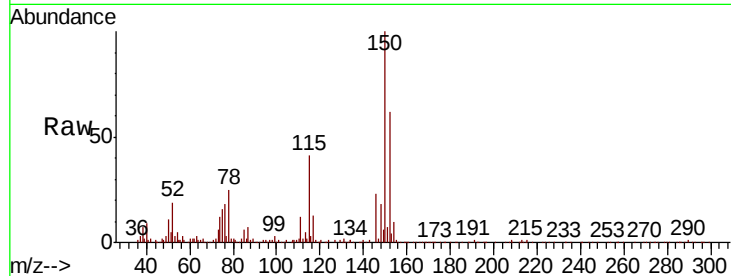
ClientSampled :

MDL

Tot Ion:	146	Resp:	12262
Ion Ratio	Lower	Upper	
146	100		
111	50.7	35.2	52.8
148	75.9	51.2	76.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.228 ug/L m

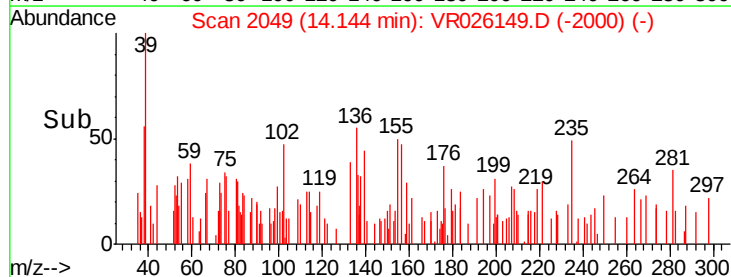
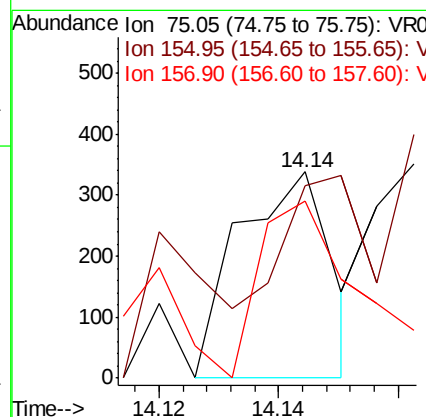
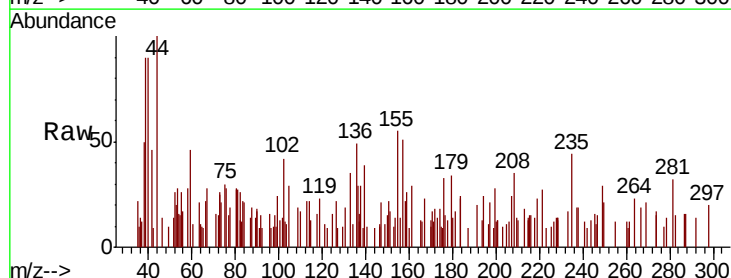
RT: 14.14 min Scan# 2049

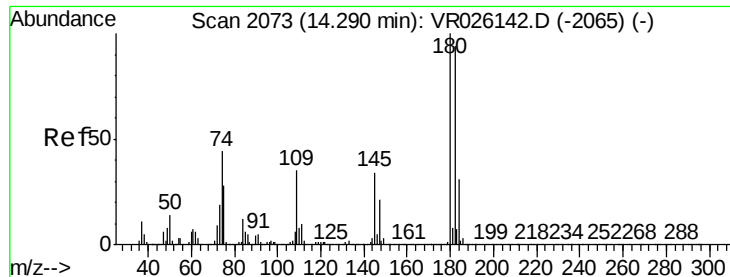
Delta R.T. 0.00 min

Lab File: VR026149.D

Acq: 19 Oct 2018 14:37

Tgt Ion:	75	Resp:	364
Ion Ratio	Lower	Upper	
75	100		
155	181.0	40.9	61.3#
157	167.2	67.3	100.9#





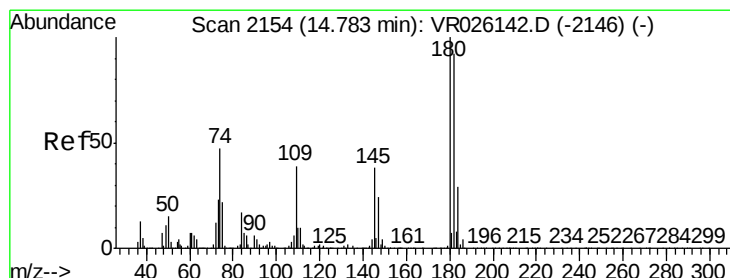
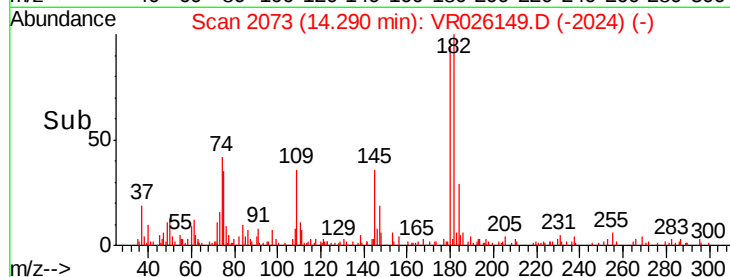
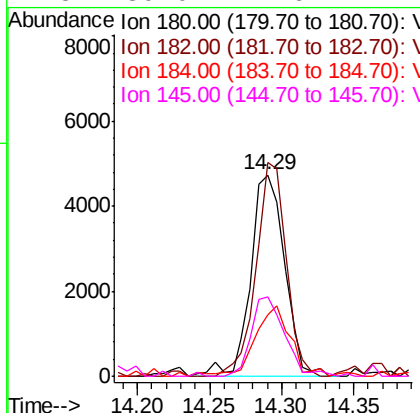
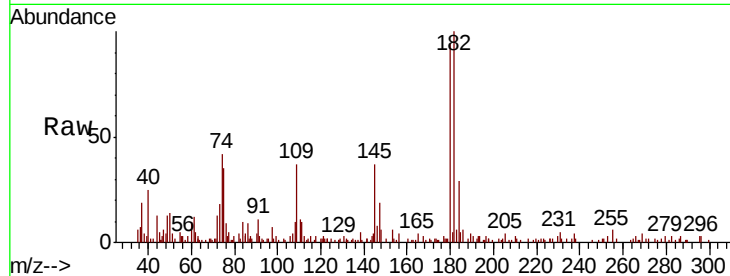
#67
 1,3,5-Trichlorobenzene
 Concen: 0.258 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. 0.00 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion:	180	Resp:	7672
Ion Ratio	Lower	Upper	
180	100		
182	93.9	77.5	116.3
184	35.4	25.0	37.4
145	39.0	27.6	41.4

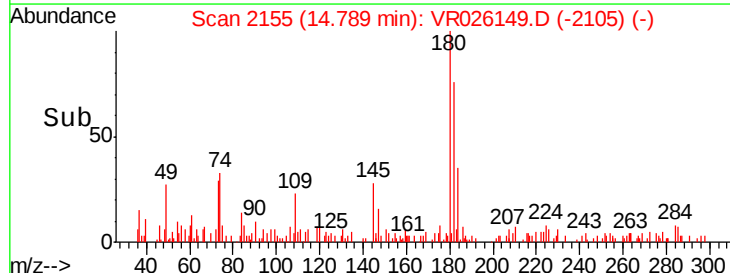
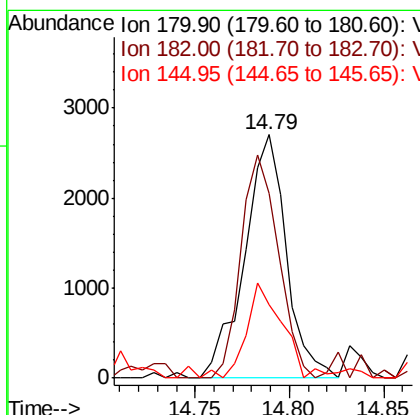
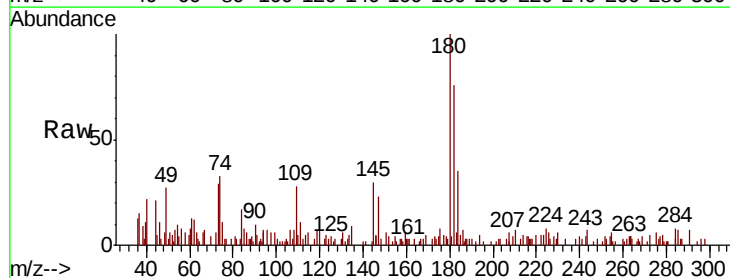
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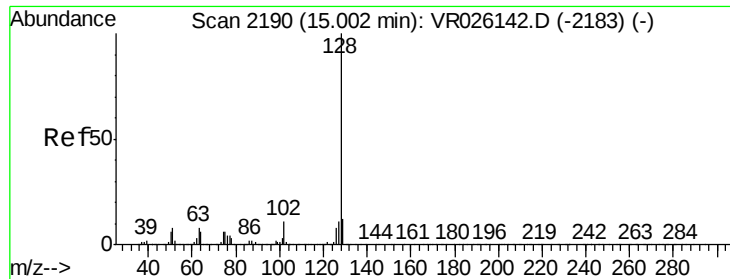
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#68
 1,2,4-trichlorobenzene
 Concen: 0.239 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026149.D
 Acq: 19 Oct 2018 14:37

Tgt Ion:	180	Resp:	4149
Ion Ratio	Lower	Upper	
180	100		
182	82.1	76.1	114.1
145	33.8	28.2	42.4





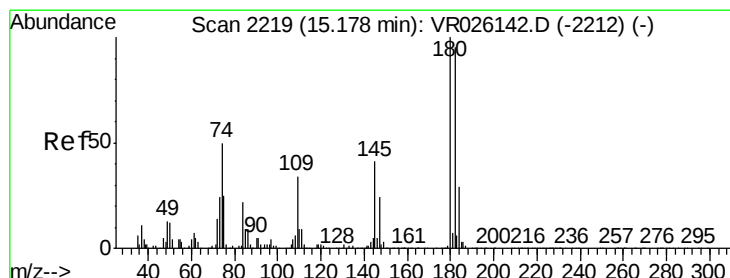
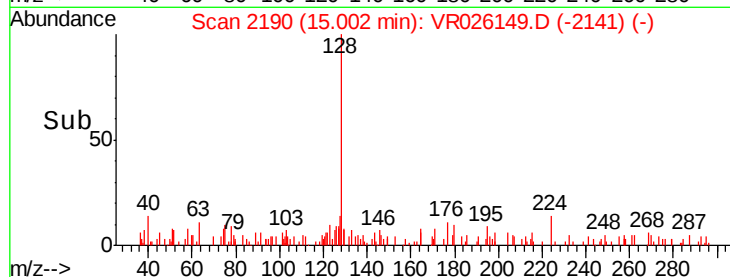
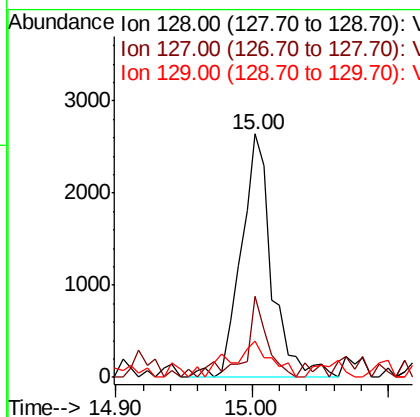
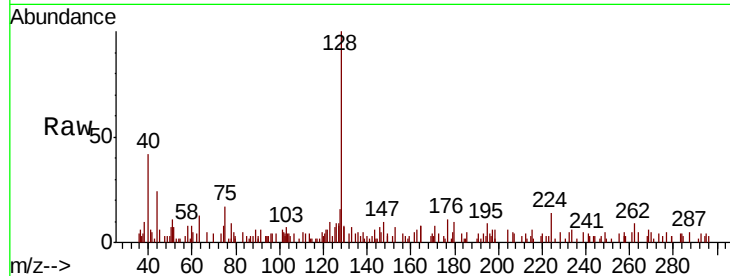
#69
Naphthalene
Concen: 0.245 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. 0.00 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	20.1	11.0	16.6#
129	13.7	9.1	13.7#

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#70
1,2,3-Trichlorobenzene
Concen: 0.265 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VR026149.D
Acq: 19 Oct 2018 14:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.8	75.7	113.5
145	45.0	28.8	43.2#

