

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101918\
 Data File : VR026148.D
 Acq On : 19 Oct 2018 14:04
 Operator : SY/MD
 Sample : MDL
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 12:17:23 PM

Quant Time: Oct 20 04:42:53 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	559373	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	470670	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	150045	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	182667	3.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.60%
7) Chloroethane-d5	2.63	69	185625	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.20%
11) 1,1-Dichloroethene-d2	3.61	63	348964	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	6.59	46	223691	55.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.32%
24) Chloroform-d	7.20	84	340699	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
26) 1,2-Dichloroethane-d4	7.90	65	149720	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.85	84	641425	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	8.90	67	188159	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	9.97	98	577703	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	10.24	79	38574	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	10.59	63	168087	56.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.66%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	73200	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	114046	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.83	85	9429m	0.251	ug/L	
3) Chloromethane	2.01	50	18117	0.304	ug/L	87
5) Vinyl chloride	2.16	62	17923	0.302	ug/L	92
6) Bromomethane	2.53	94	11007m	0.280	ug/L	
8) Chloroethane	2.66	64	12991	0.353	ug/L	94
9) Trichlorofluoromethane	2.94	101	22155m	0.258	ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	16607m	0.325	ug/L	
12) 1,1-Dichloroethene	3.64	96	19621	0.361	ug/L #	1
13) Acetone	3.70	43	14673	3.532	ug/L	91
14) Carbon disulfide	3.93	76	32563	0.229	ug/L #	94
15) Methyl Acetate	4.19	43	5023	0.463	ug/L #	82
16) Methylene chloride	4.42	84	17889m	0.363	ug/L	
17) Methyl tert-butyl Ether	4.88	73	12917	0.262	ug/L #	84
18) trans-1,2-Dichloroethene	4.88	96	10092	0.245	ug/L	92
19) 1,1-Dichloroethane	5.69	63	23652	0.306	ug/L	97
21) 2-Butanone	6.69	43	12499	2.608	ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	11123	0.286	ug/L #	88

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

23) Bromochloromethane	7.04	128	2946	0.270	ug/L #	67
25) Chloroform	7.23	83	23558	0.313	ug/L	94
27) 1,2-Dichloroethane	7.99	62	10990m	0.298	ug/L	
29) 1,1,1-Trichloroethane	7.43	97	17803	0.277	ug/L	99
30) Cyclohexane	7.51	56	12057	0.187	ug/L	95
31) Carbon tetrachloride	7.63	117	14370	0.246	ug/L	83
33) Benzene	7.91	78	51473	0.291	ug/L	100
34) Trichloroethene	8.71	95	12856	0.284	ug/L	87
35) Methylcyclohexane	8.96	83	12643	0.188	ug/L #	71
37) 1,2-Dichloropropane	9.00	63	11489	0.308	ug/L	98
38) Bromodichloromethane	9.28	83	10905	0.272	ug/L #	94
39) cis-1,3-Dichloropropene	9.72	75	10694	0.251	ug/L	85
40) 4-Methyl-2-pentanone	9.87	43	27326	2.401	ug/L #	87
42) Toluene	10.04	91	48815	0.262	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	9425	0.316	ug/L	100
45) 1,1,2-Trichloroethane	10.45	97	5606	0.357	ug/L	91
47) Tetrachloroethene	10.51	164	9173	0.284	ug/L	90
48) 2-Hexanone	10.63	43	21490	2.892	ug/L #	97
49) Dibromochloromethane	10.79	129	4370	0.247	ug/L	86
50) 1,2-Dibromoethane	10.89	107	3436	0.253	ug/L #	85
51) Chlorobenzene	11.31	112	29139	0.282	ug/L	98
52) Ethylbenzene	11.39	91	48429	0.226	ug/L	96
53) m,p-Xylene	11.51	106	16273	0.208	ug/L	93
54) o-Xylene	11.83	106	13802	0.193	ug/L	86
55) Styrene	11.84	104	20466	0.186	ug/L	86
56) Isopropylbenzene	12.13	105	34700	0.174	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	12.38	83	5583	0.350	ug/L #	83
59) 1,2,3-Trichloropropane	12.43	75	3512	0.299	ug/L #	61
61) Bromoform	12.01	173	1461	0.280	ug/L #	69
62) 1,3-Dichlorobenzene	13.16	146	12532	0.251	ug/L	88
63) 1,4-Dichlorobenzene	13.24	146	14893	0.288	ug/L	91
65) 1,2-Dichlorobenzene	13.52	146	13012	0.325	ug/L	89
66) 1,2-Dibromo-3-chloropropan	14.14	75	488m	0.299	ug/L	
67) 1,3,5-Trichlorobenzene	14.29	180	7492	0.247	ug/L #	90
68) 1,2,4-trichlorobenzene	14.79	180	4160	0.235	ug/L	87
69) Naphthalene	15.00	128	3413	0.198	ug/L #	85
70) 1,2,3-Trichlorobenzene	15.18	180	3739	0.304	ug/L #	88

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

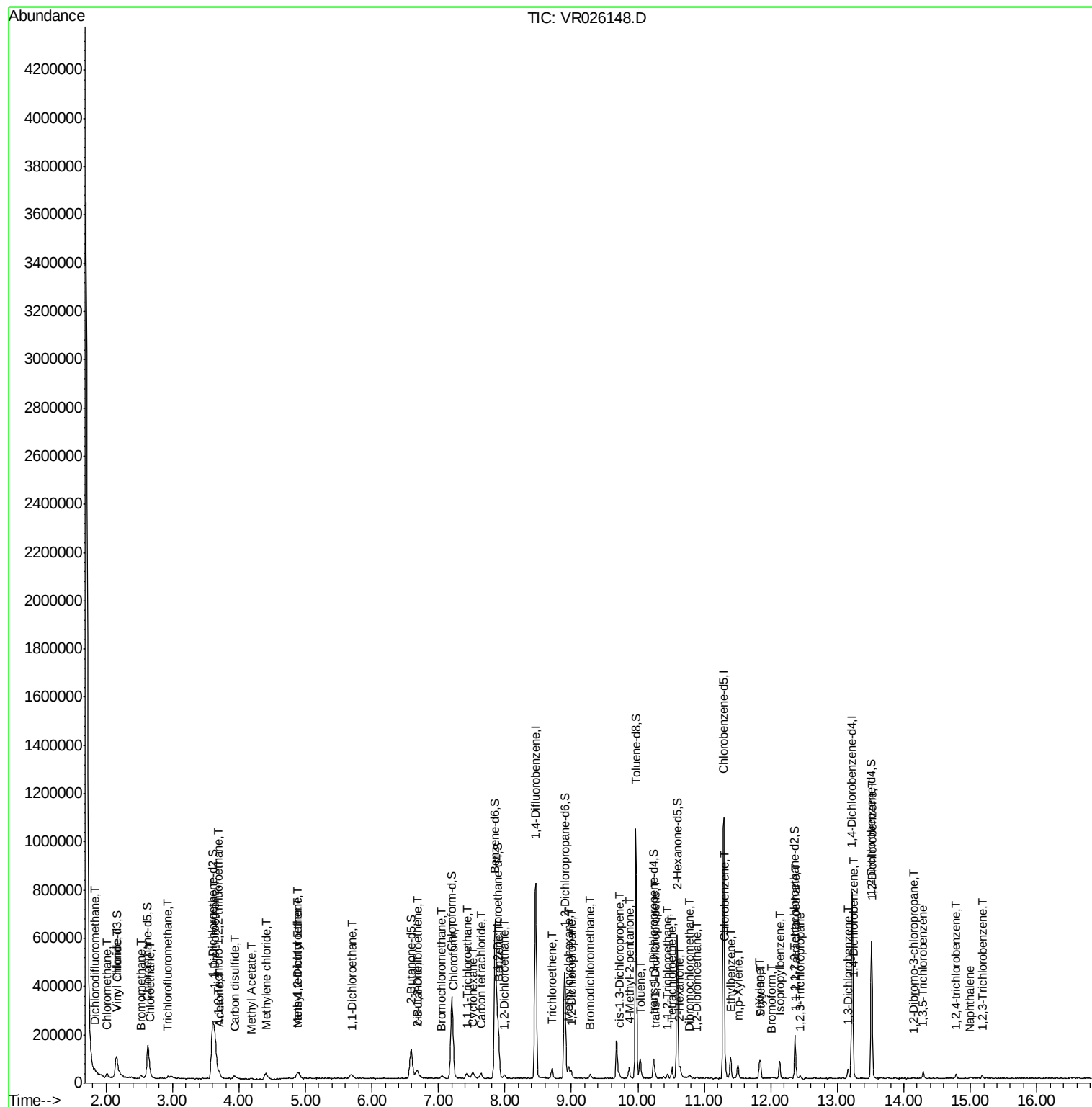
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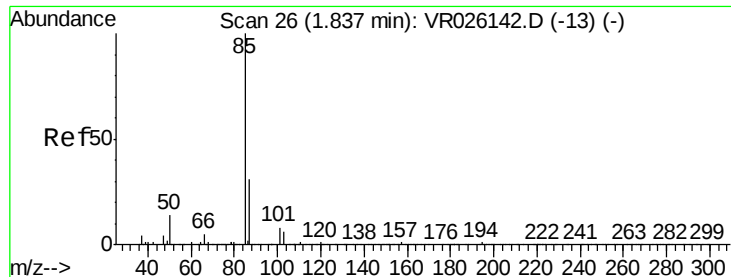
Instrument :
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#2

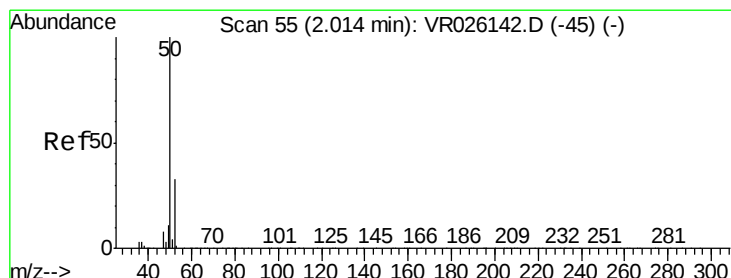
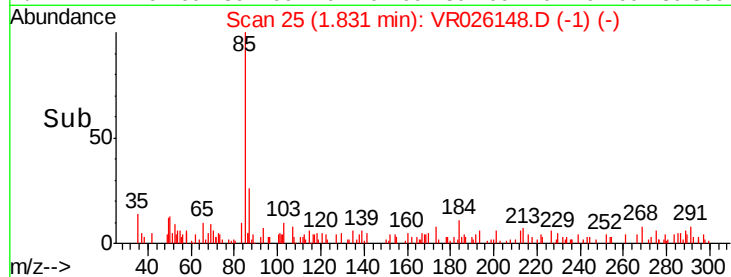
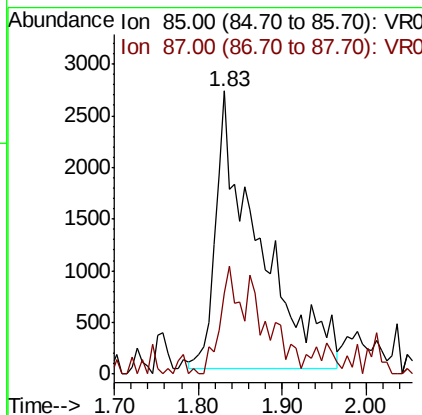
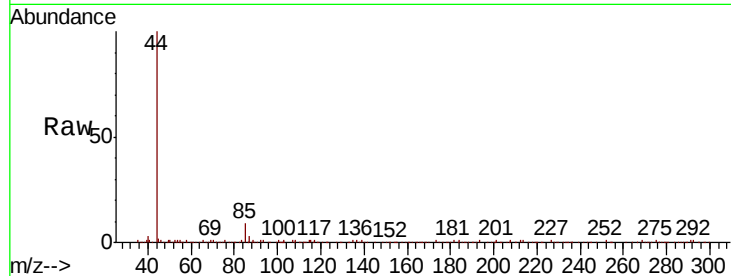
Dichlorodifluoromethane
 Concen: 0.251 ug/L m
 RT: 1.83 min Scan# 25
 Delta R.T. -0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	Ratio	Lower	Upper
85	100		
87	2.1	23.4	35.2#

Manual Integrations
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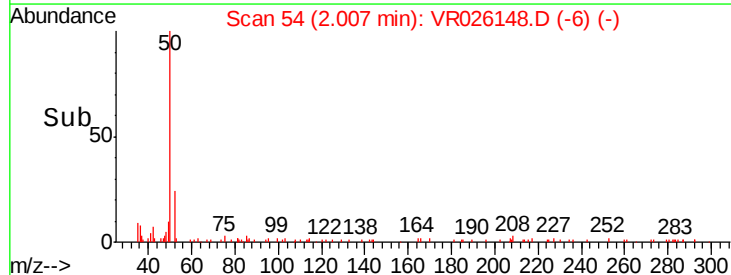
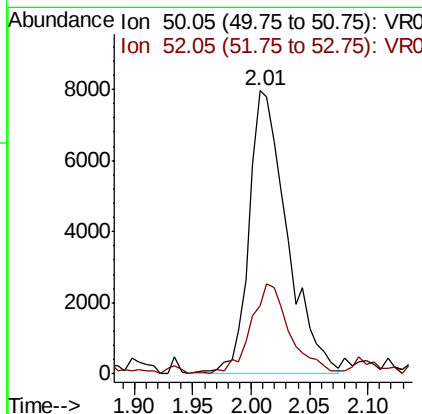
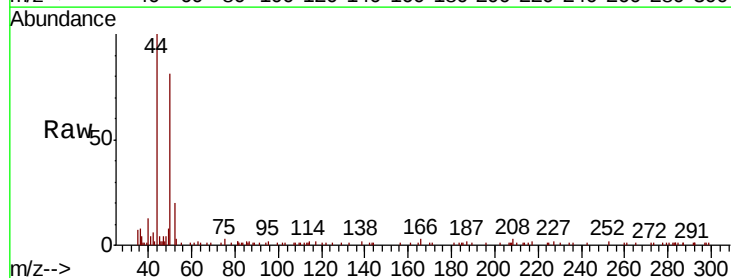
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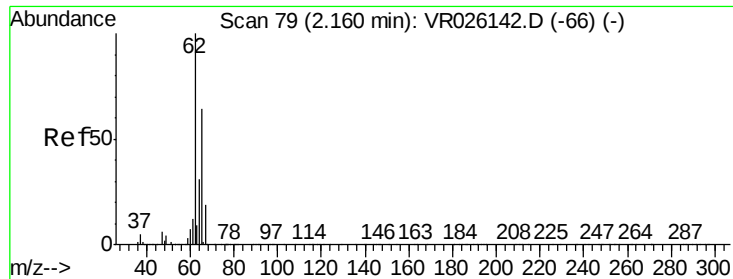


#3

Chloromethane
 Concen: 0.304 ug/L
 RT: 2.01 min Scan# 54
 Delta R.T. -0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
50	100		
52	24.0	22.0	40.8





#5

Vinyl chloride

Concen: 0.302 ug/L

RT: 2.16 min Scan# 79

Delta R.T. -0.00 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampled :

MDL

Tot Ion: 62 Resp: 17923

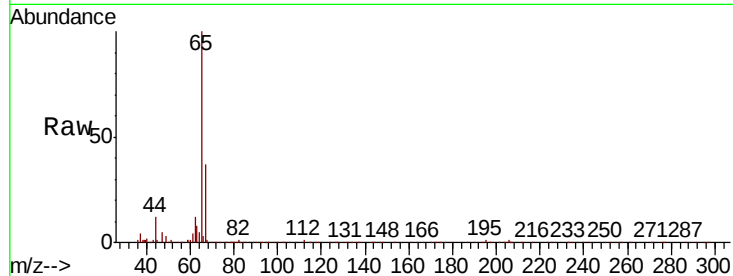
Ion Ratio Lower Upper

62 100

64 38.7 23.9 44.3

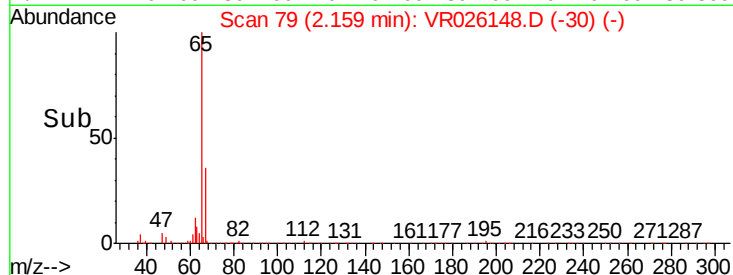
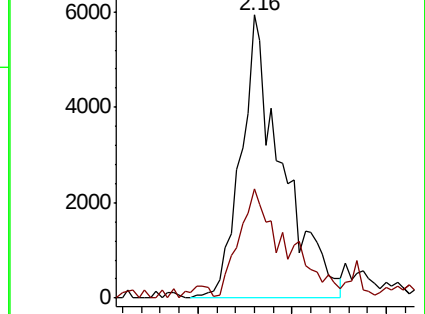
Manual Integrations
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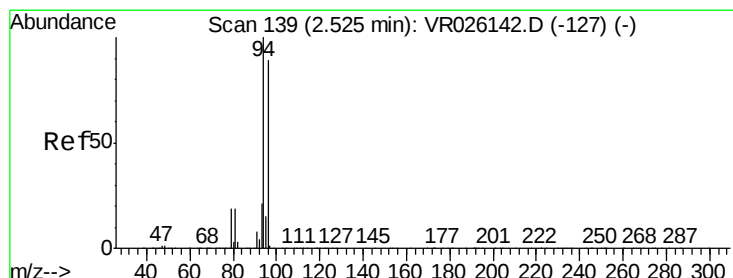


Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



Time-->



#6

Bromomethane

Concen: 0.280 ug/L m

RT: 2.53 min Scan# 140

Delta R.T. 0.01 min

Lab File: VR026148.D

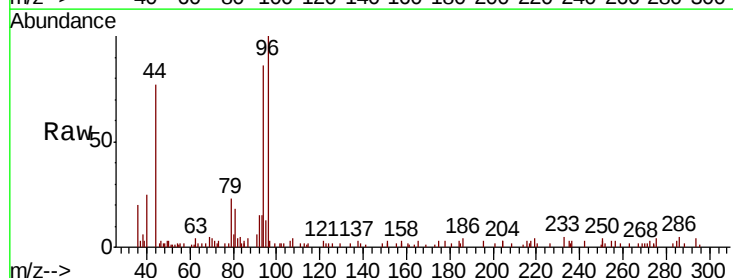
Acq: 19 Oct 2018 14:04

Tgt Ion: 94 Resp: 11007

Ion Ratio Lower Upper

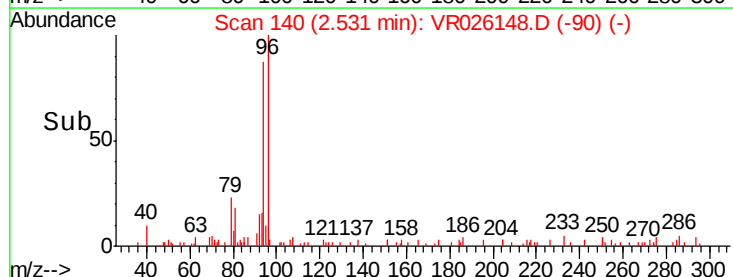
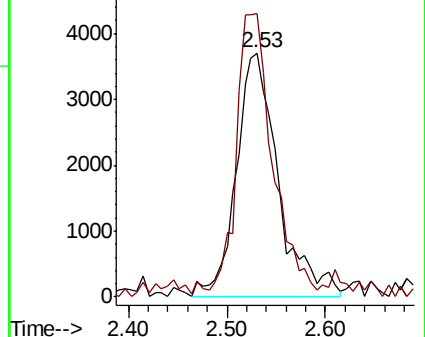
94 100

96 116.2 62.5 116.1#

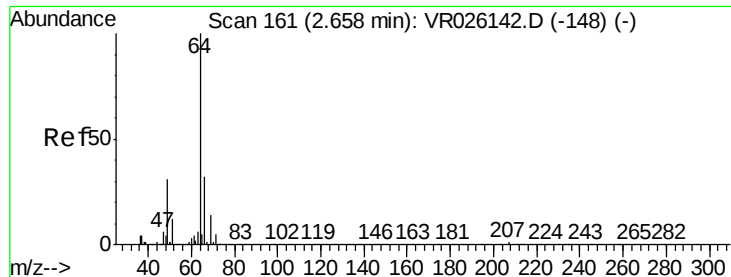


Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0



Time-->



#8

Chloroethane

Concen: 0.353 ug/L

RT: 2.66 min Scan# 162

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 64 Resp: 12991

Ion Ratio Lower Upper

64 100

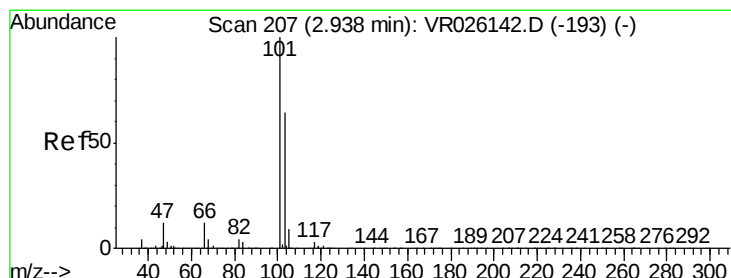
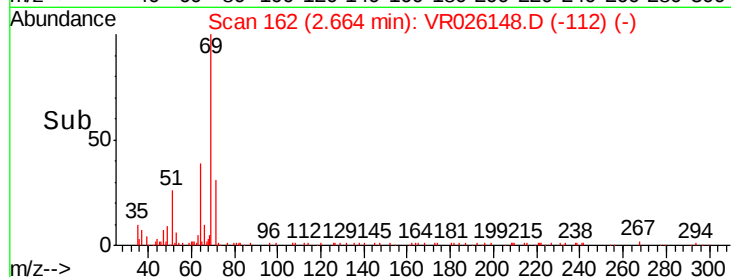
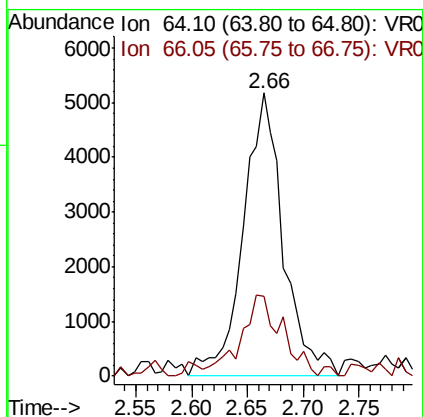
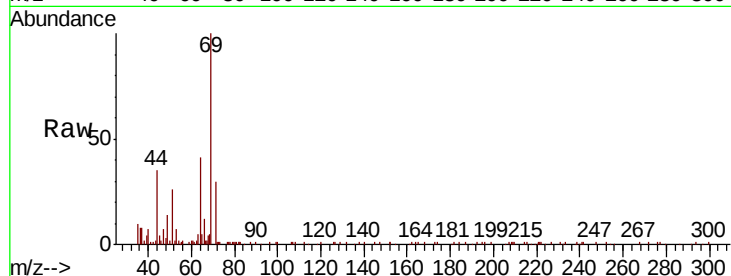
66 28.3 22.0 40.8

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.258 ug/L m

RT: 2.94 min Scan# 207

Delta R.T. -0.00 min

Lab File: VR026148.D

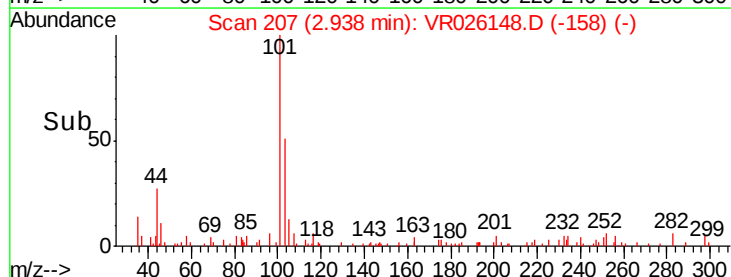
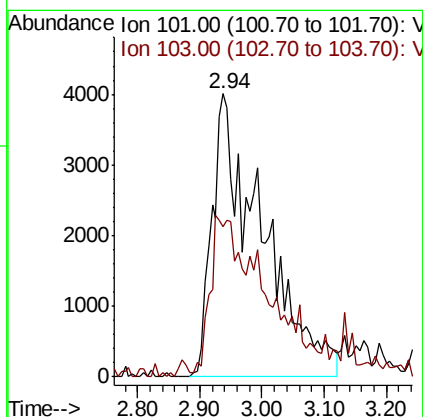
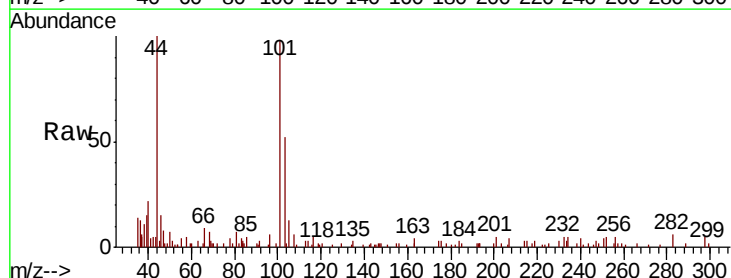
Acq: 19 Oct 2018 14:04

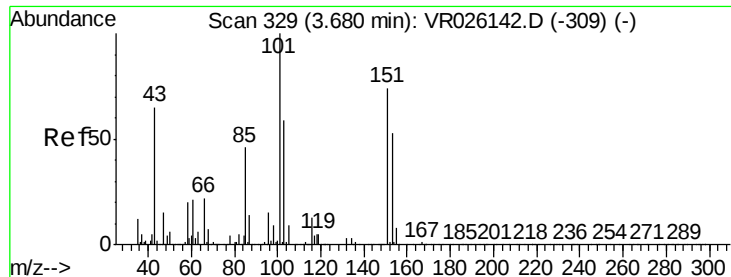
Tgt Ion: 101 Resp: 22155

Ion Ratio Lower Upper

101 100

103 33.2 26.0 39.0





#10

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

Concen: 0.325 ug/L m

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

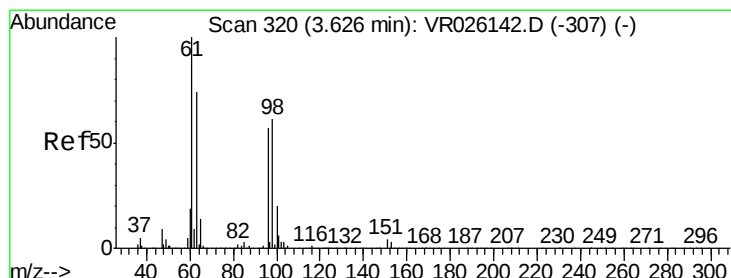
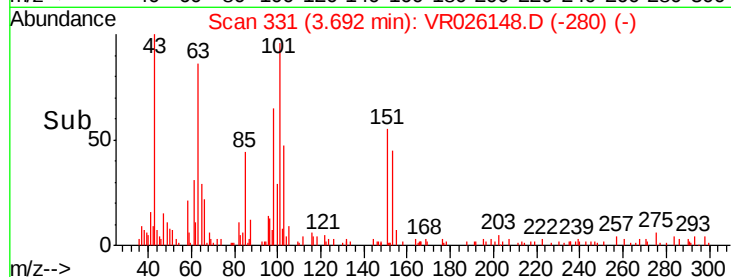
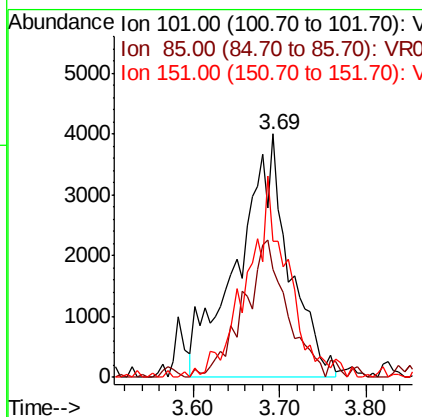
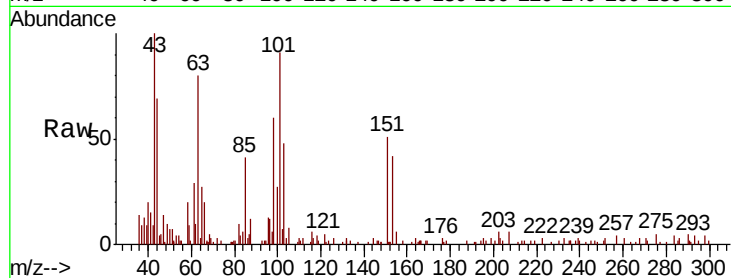
ClientSampled :

MDL

Tot Ion:	101	Resp:	16607
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.8	56.8
151	63.6	63.2	94.8

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#12

1,1-Dichloroethene

Concen: 0.361 ug/L

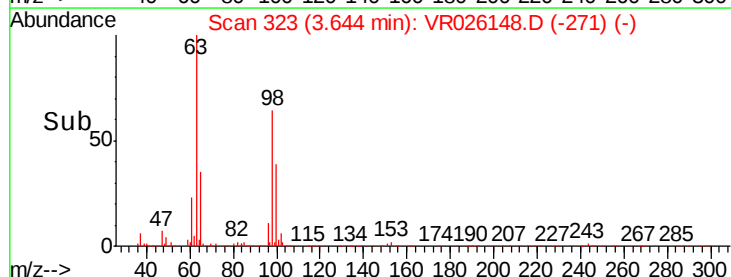
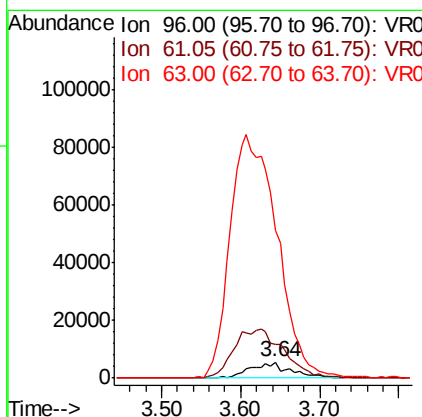
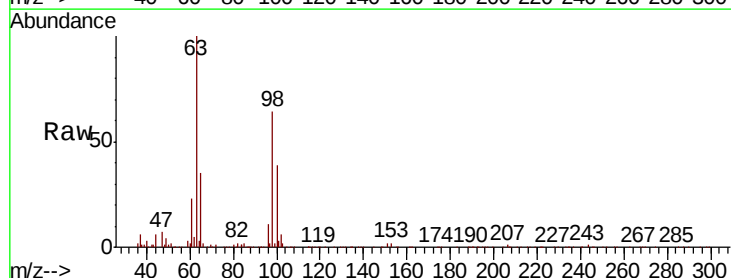
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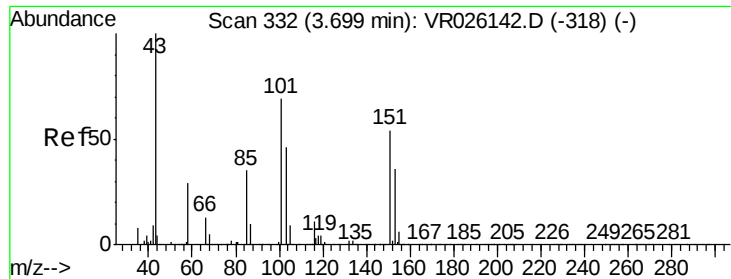
Delta R.T. 0.02 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Tgt Ion:	96	Resp:	19621
Ion Ratio	Lower	Upper	
96	100		
61	211.4	126.7	235.3
63	910.2	125.0	232.2#





#13

Acetone

Concen: 3.532 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 43 Resp: 14673

Ion Ratio Lower Upper

43 100

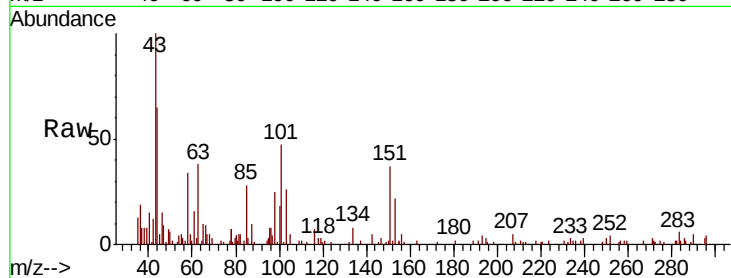
58 32.2 0.0 55.4

Manual Integrations

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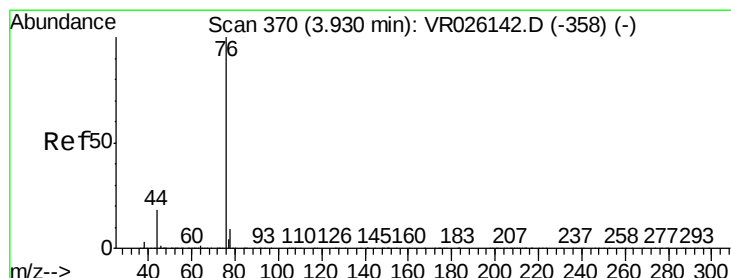
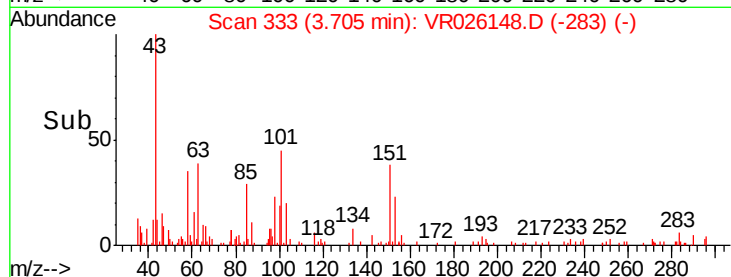
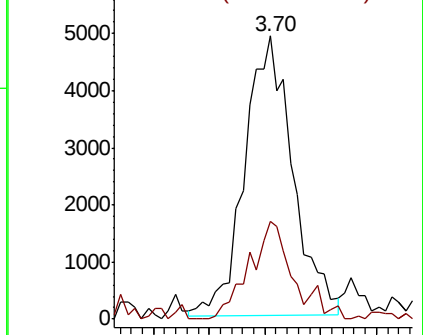
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Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 0.229 ug/L

RT: 3.93 min Scan# 370

Delta R.T. -0.00 min

Lab File: VR026148.D

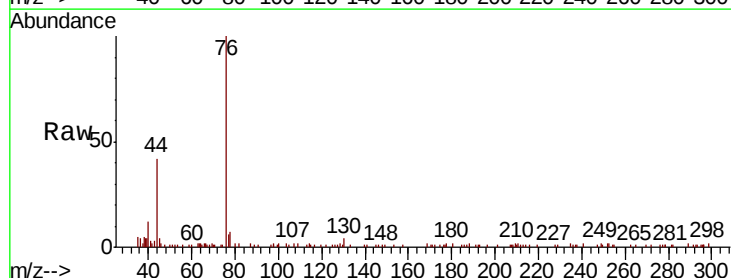
Acq: 19 Oct 2018 14:04

Tgt Ion: 76 Resp: 32563

Ion Ratio Lower Upper

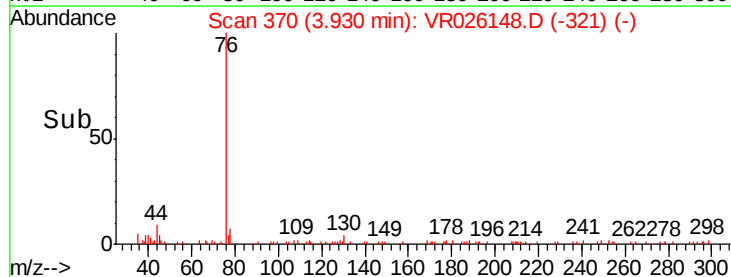
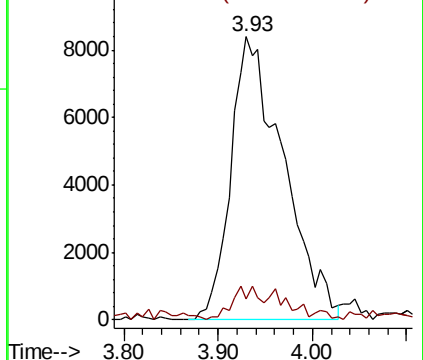
76 100

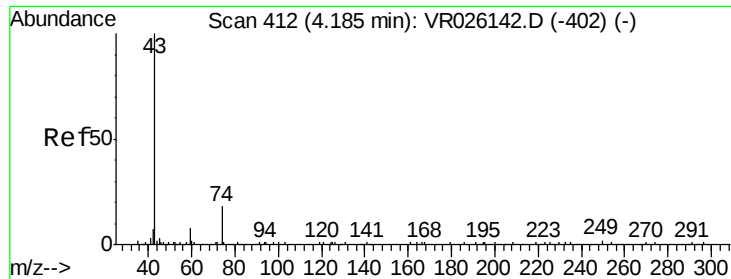
78 7.3 7.6 11.4#



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0





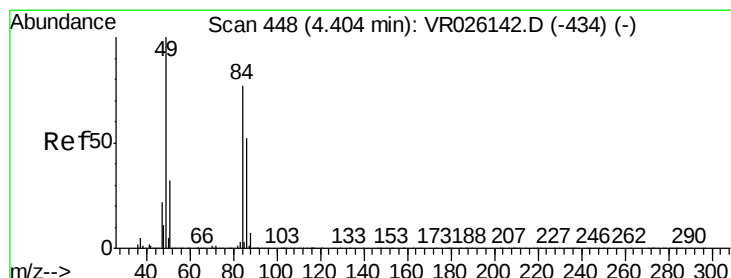
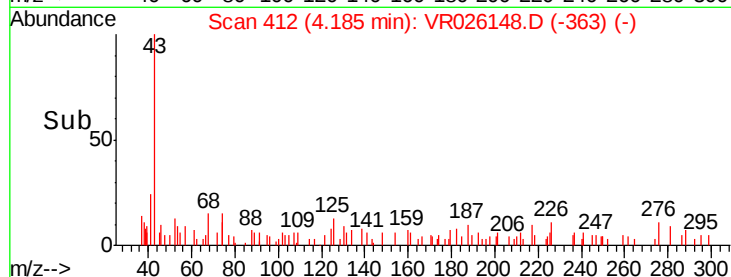
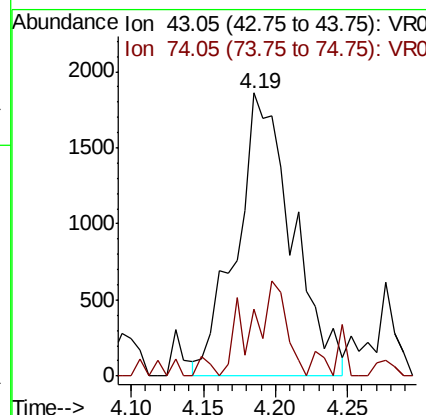
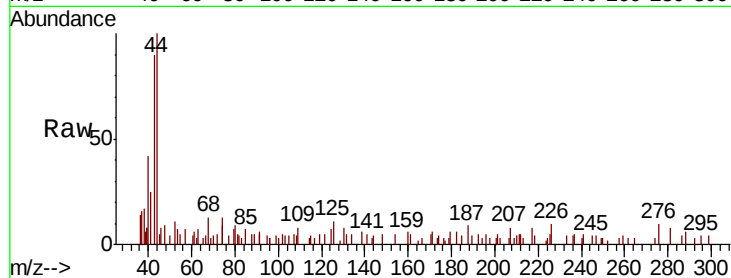
#15
Methyl Acetate
Concen: 0.463 ug/L
RT: 4.19 min Scan# 412
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion: 43 Resp: 5023
Ion Ratio Lower Upper
43 100
74 15.9 19.8 29.8#

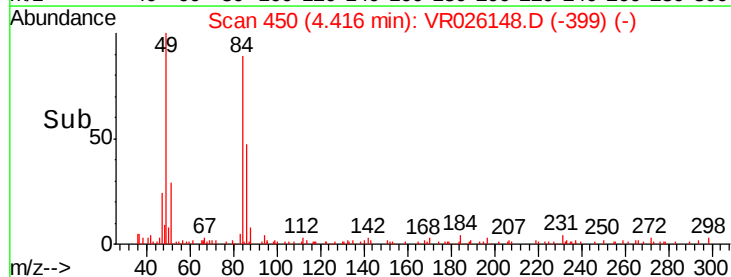
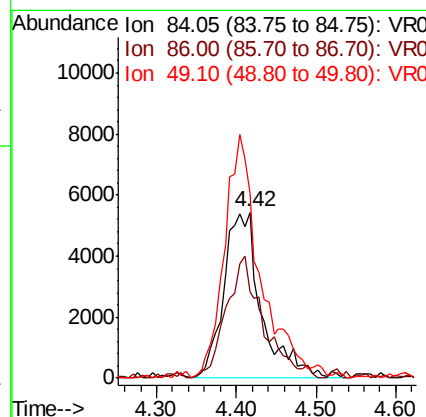
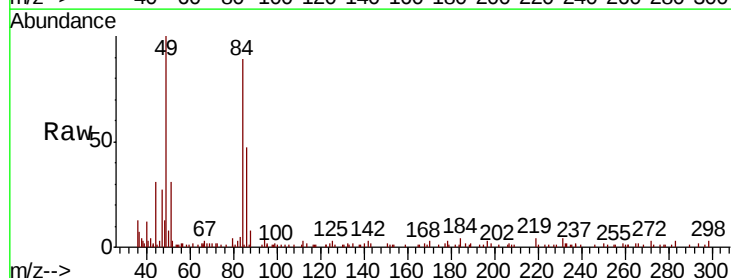
Manual Integrations
APPROVED

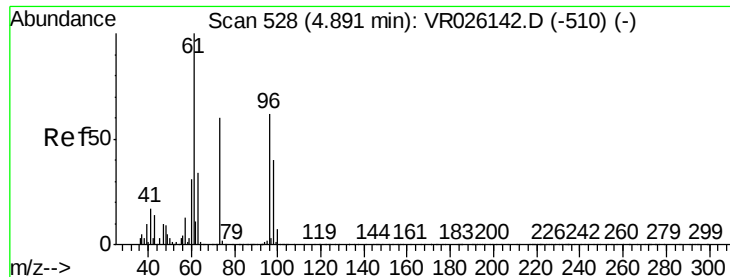
MMDadoda
10/24/2018 12:17:23 PM



#16
Methylene chloride
Concen: 0.363 ug/L m
RT: 4.42 min Scan# 450
Delta R.T. 0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion: 84 Resp: 17889
Ion Ratio Lower Upper
84 100
86 52.4 43.0 79.8
49 111.7 89.1 165.5





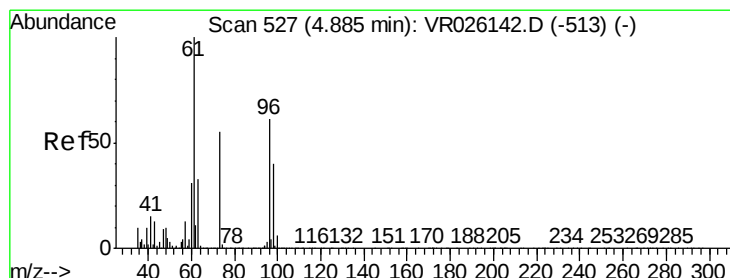
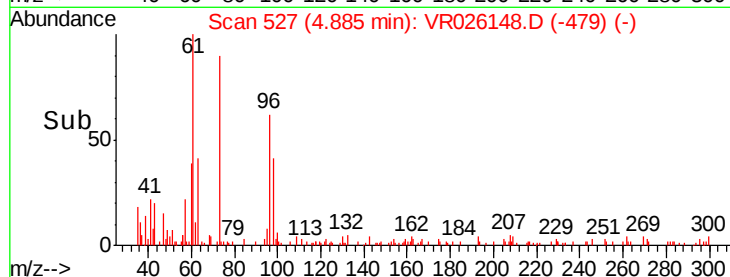
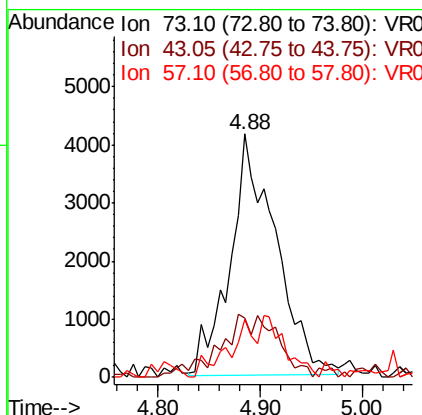
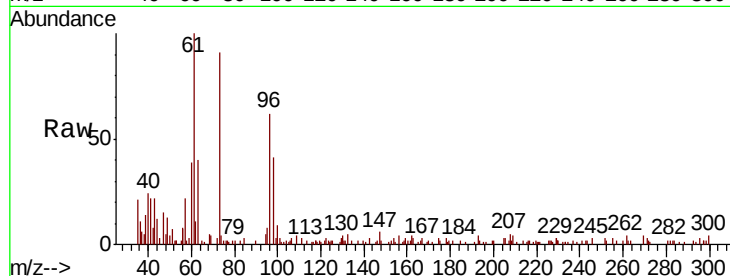
#17
Methvl tert-butvl Ether
Concen: 0.262 ug/L
RT: 4.88 min Scan# 527
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
73	100		
43	18.4	20.1	30.1#
57	14.1	19.0	28.4#

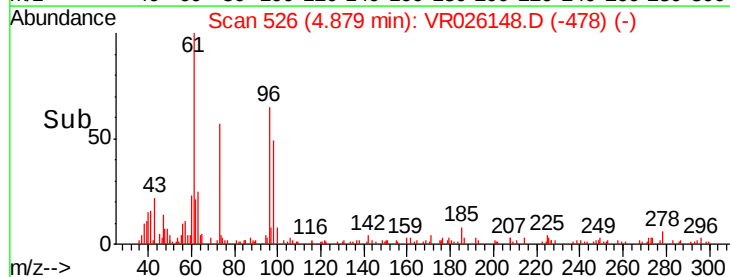
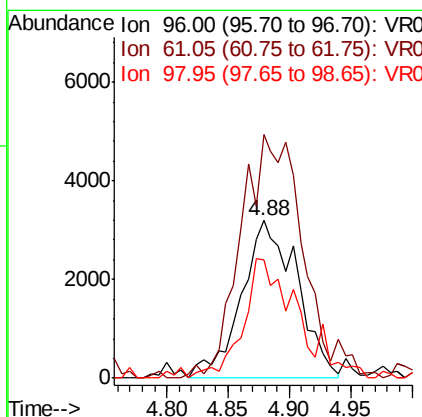
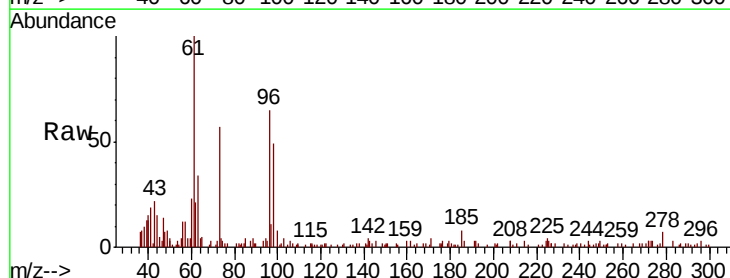
Manual Integrations
APPROVED

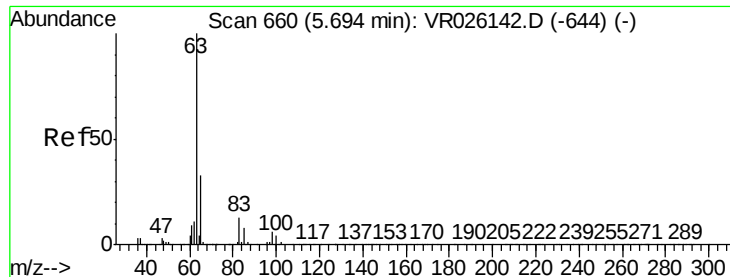
MMDadoda
10/24/2018 12:17:23 PM



#18
trans-1,2-Dichloroethene
Concen: 0.245 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.6	111.4	206.8
98	75.4	41.4	77.0





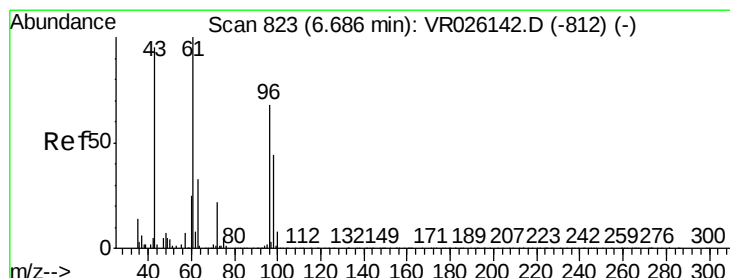
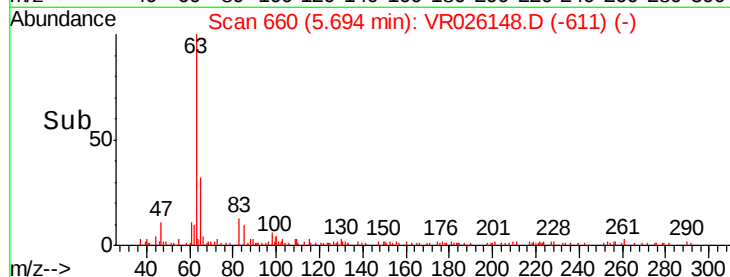
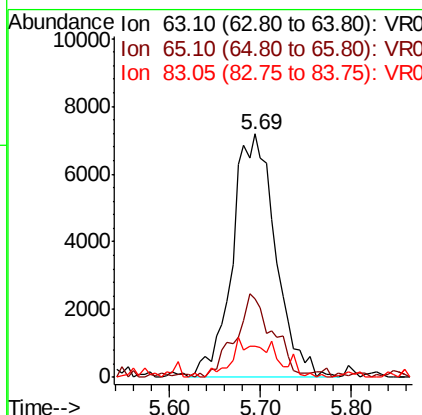
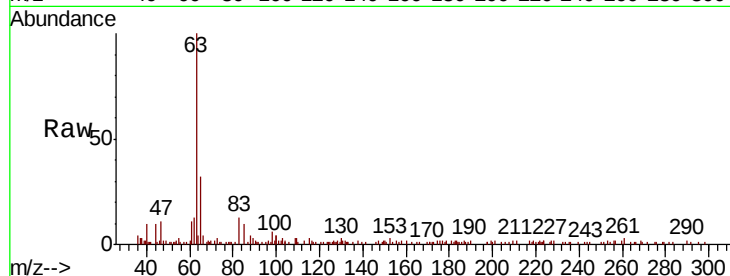
#19
1,1-Dichloroethane
Concen: 0.306 ug/L
RT: 5.69 min Scan# 660
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion:	63	Resp:	23652
Ion Ratio	Lower	Upper	
63	100		
65	32.4	21.2	39.4
83	12.7	9.2	17.2

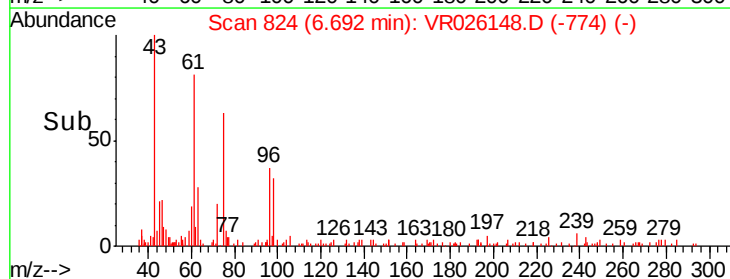
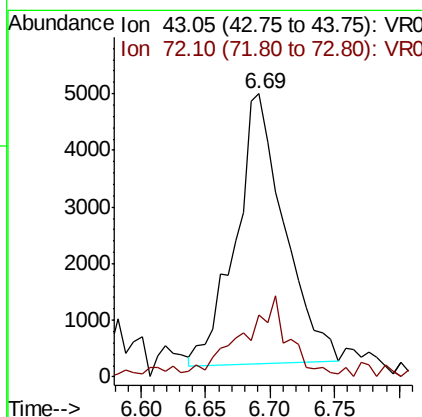
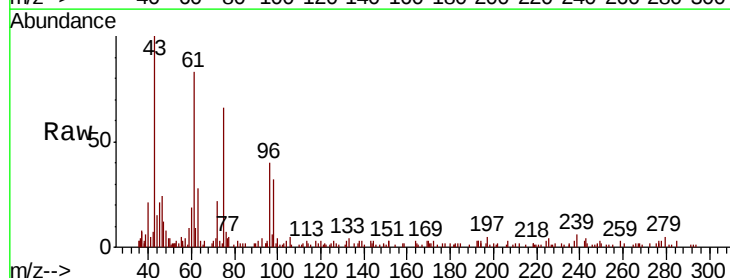
Manual Integrations
APPROVED

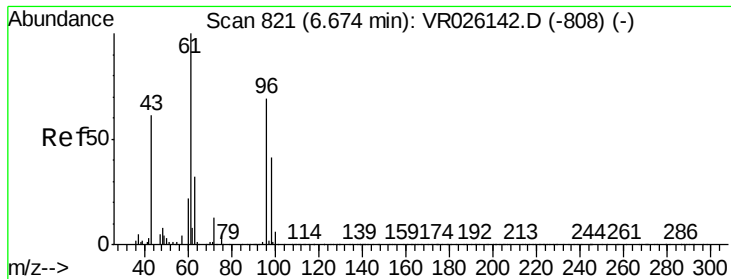
MMDadoda
10/24/2018 12:17:23 PM



#21
2-Butanone
Concen: 2.608 ug/L
RT: 6.69 min Scan# 824
Delta R.T. 0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion:	43	Resp:	12499
Ion Ratio	Lower	Upper	
43	100		
72	26.9	12.3	36.8





#22

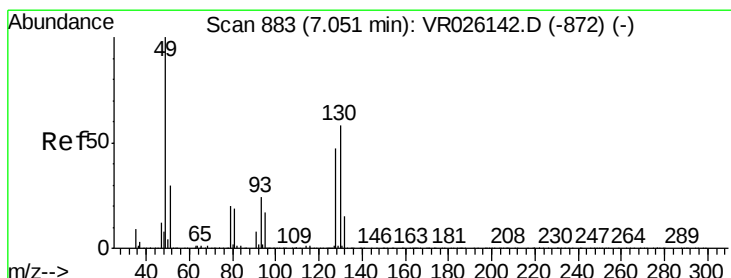
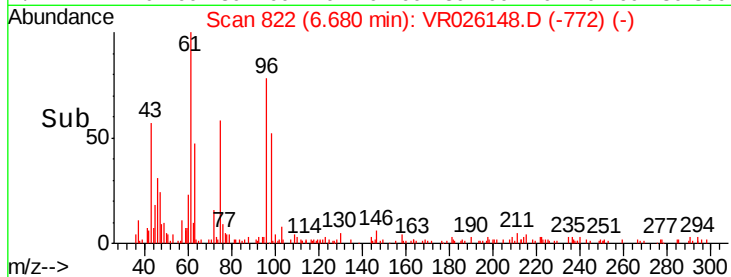
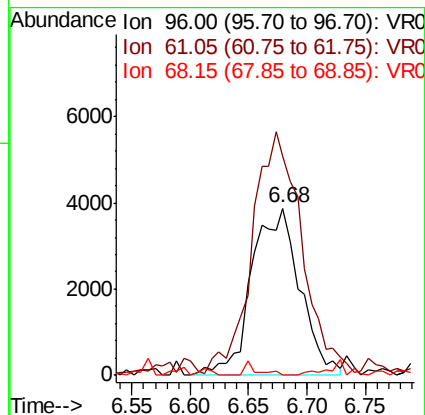
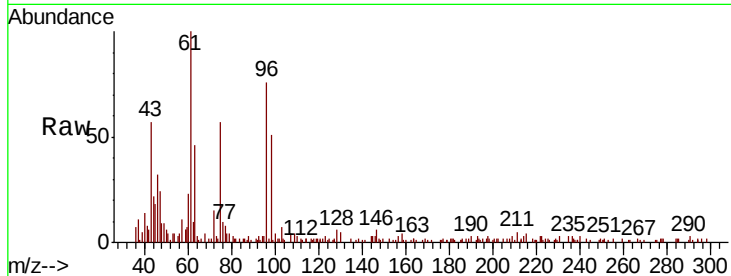
cis-1,2-Dichloroethene
Concen: 0.286 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	101.8	189.0
68	0.0	0.1	0.3#

Manual Integrations
APPROVED

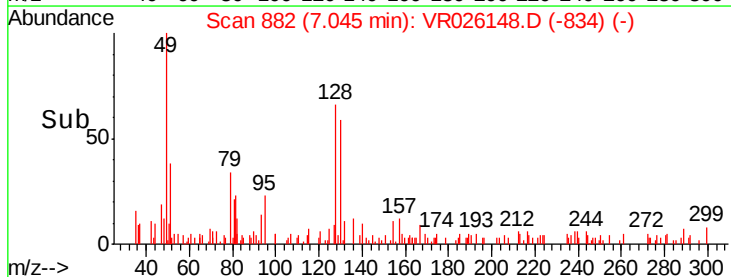
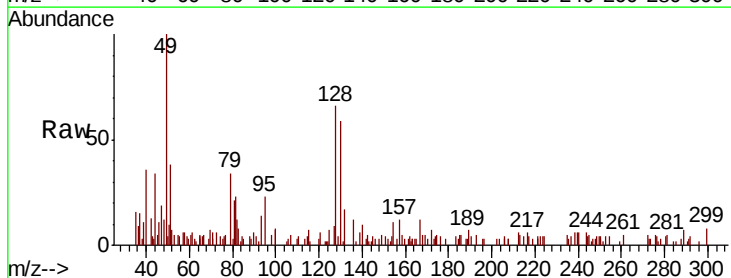
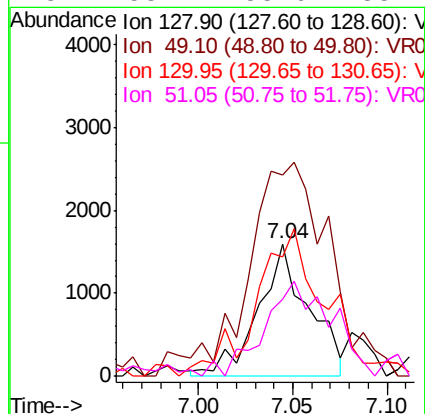
MMDadoda
10/24/2018 12:17:23 PM

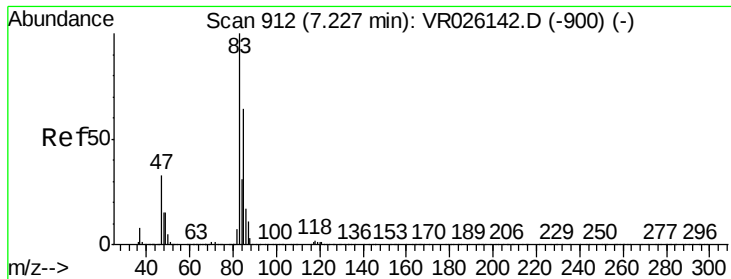


#23

Bromochloromethane
Concen: 0.270 ug/L
RT: 7.04 min Scan# 882
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	151.8	146.2	271.4
130	89.6	92.5	171.7#
51	58.4	55.6	83.4





#25

Chloroform

Concen: 0.313 ug/L

RT: 7.23 min Scan# 912

Delta R.T. -0.00 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampled :

MDL

Tot Ion: 83 Resp: 23558

Ion Ratio Lower Upper

83 100

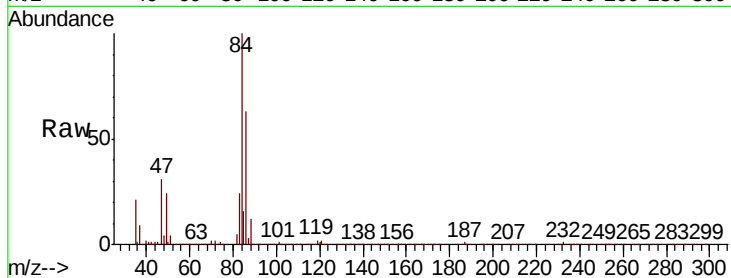
85 67.0 43.5 80.7

Manual Integrations

APPROVED

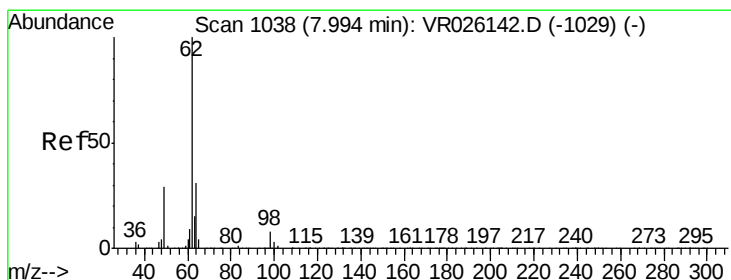
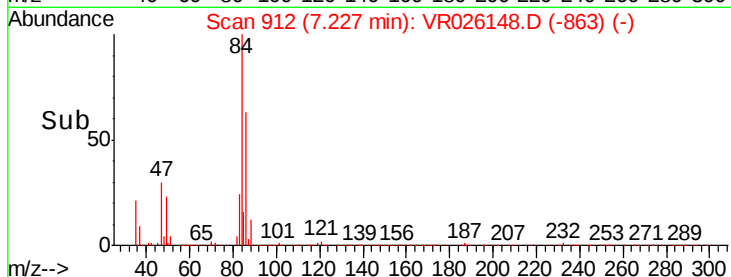
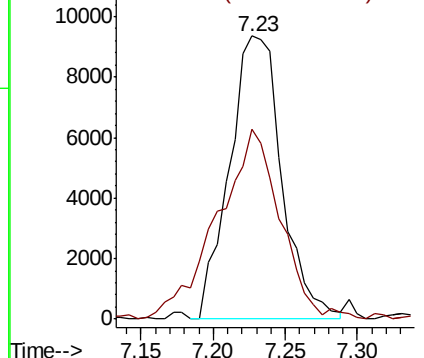
MMDadoda

10/24/2018 12:17:23 PM



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 0.298 ug/L m

RT: 7.99 min Scan# 1037

Delta R.T. -0.01 min

Lab File: VR026148.D

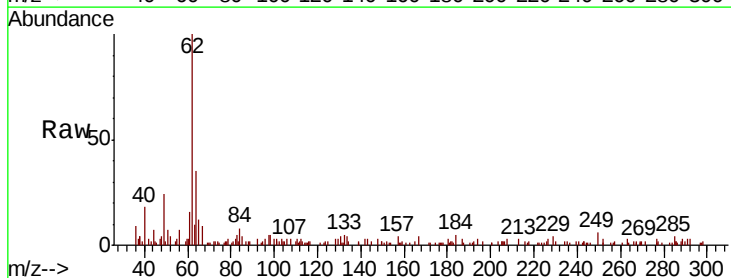
Acq: 19 Oct 2018 14:04

Tgt Ion: 62 Resp: 10990

Ion Ratio Lower Upper

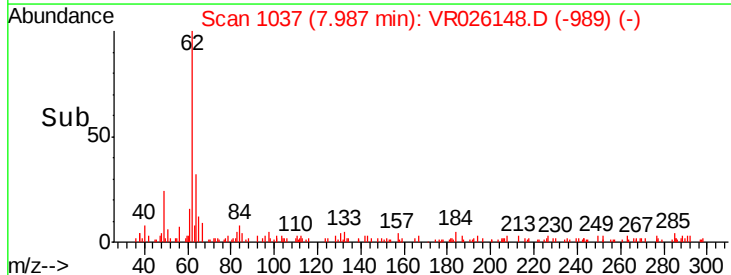
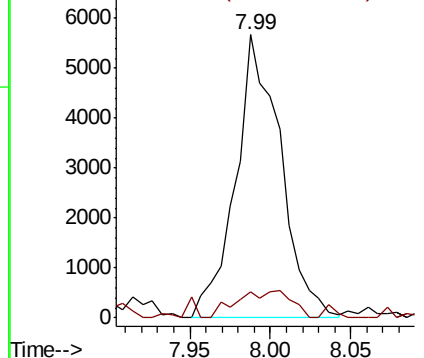
62 100

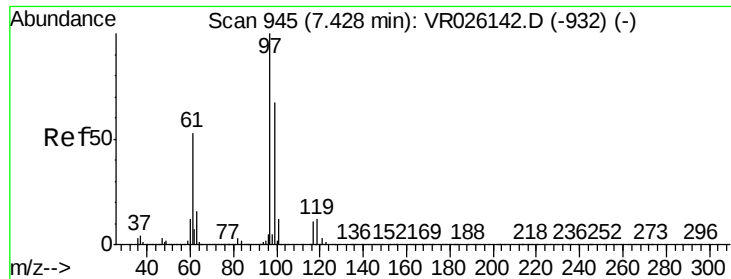
98 4.7 5.6 8.4#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





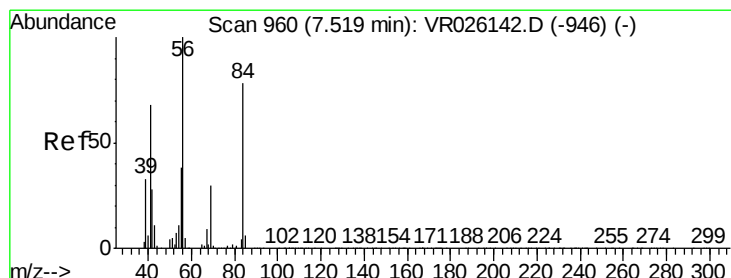
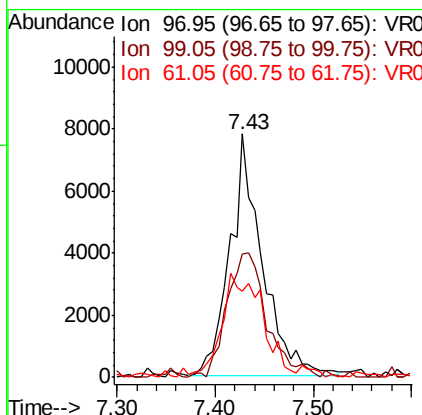
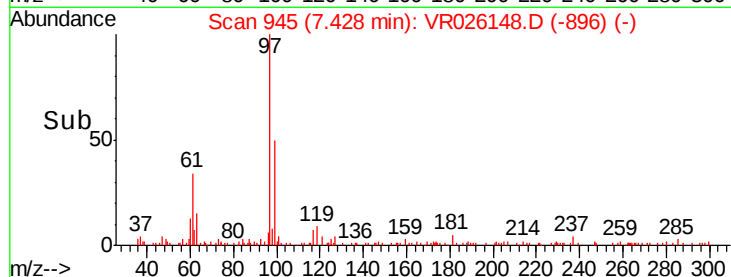
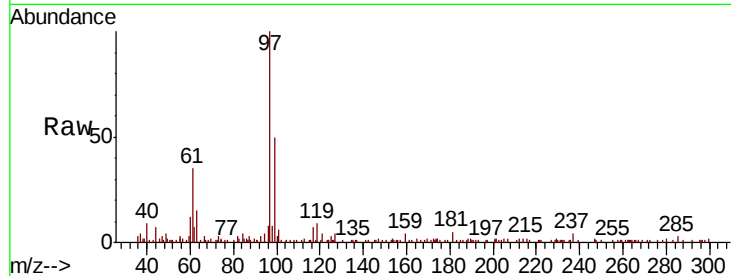
#29
1,1,1-Trichloroethane
Concen: 0.277 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Resp	Lower	Upper
97	100	17803		
99	63.7		51.1	76.7
61	54.2		42.1	63.1

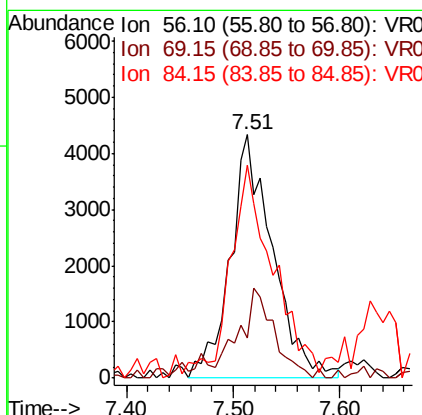
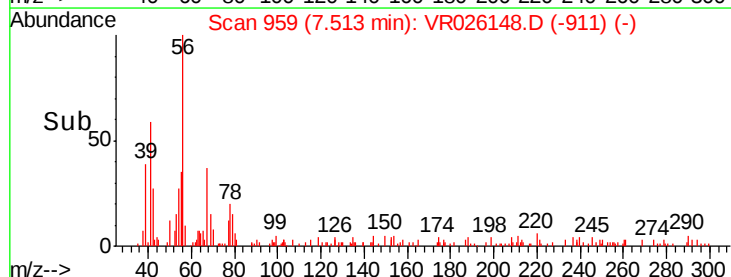
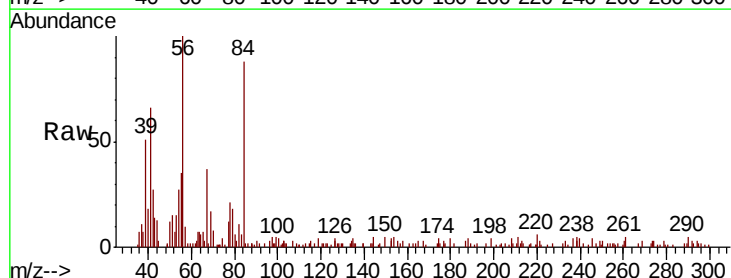
Manual Integrations
APPROVED

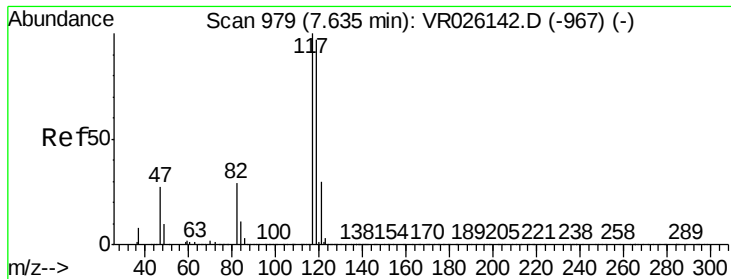
MMDadoda
10/24/2018 12:17:23 PM



#30
Cyclohexane
Concen: 0.187 ug/L
RT: 7.51 min Scan# 959
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	12057		
69	30.3		23.8	35.8
84	83.9		62.2	93.4





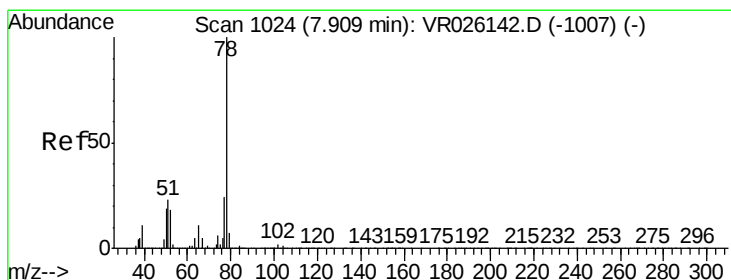
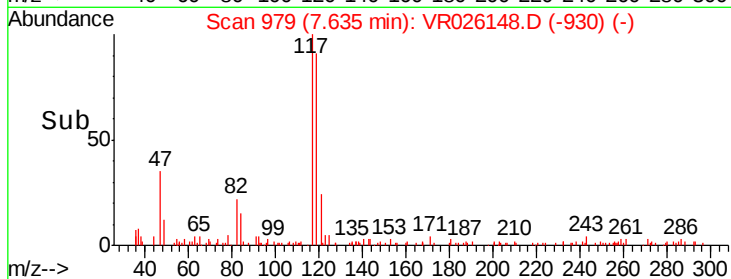
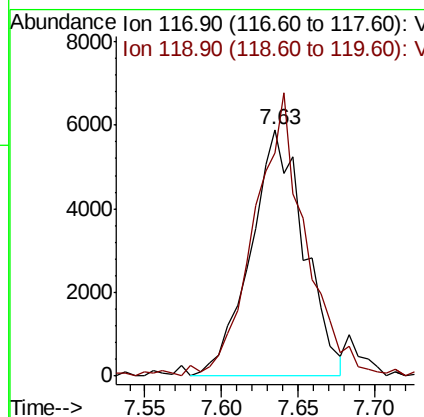
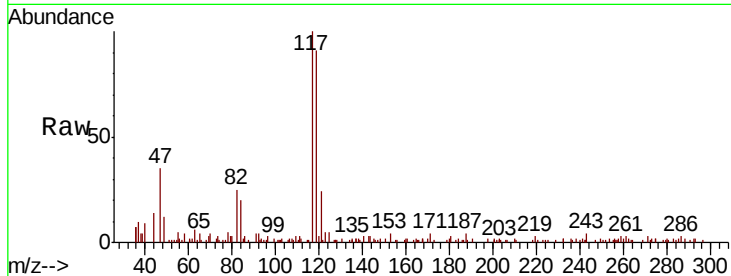
#31
Carbon tetrachloride
Concen: 0.246 ug/L
RT: 7.63 min Scan# 979
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion:117 Resp: 14370
Ion Ratio Lower Upper
117 100
119 109.3 74.2 111.2

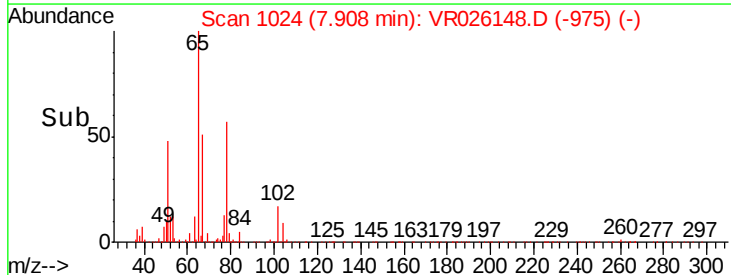
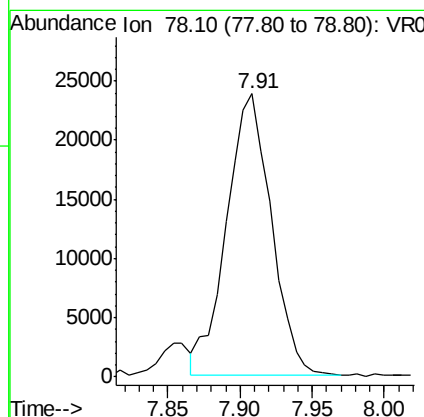
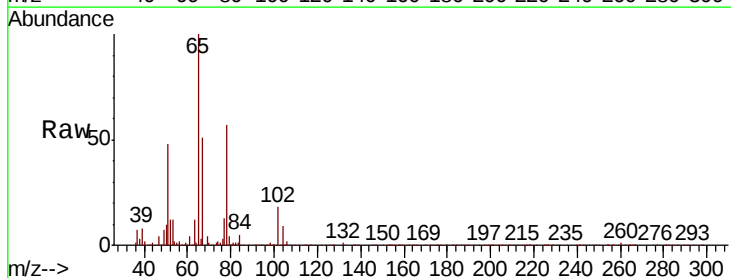
Manual Integrations
APPROVED

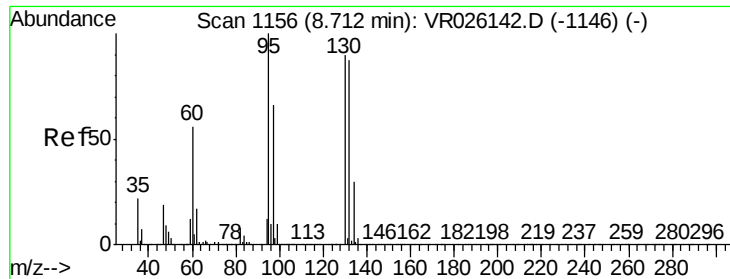
MMDadoda
10/24/2018 12:17:23 PM



#33
Benzene
Concen: 0.291 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion: 78 Resp: 51473





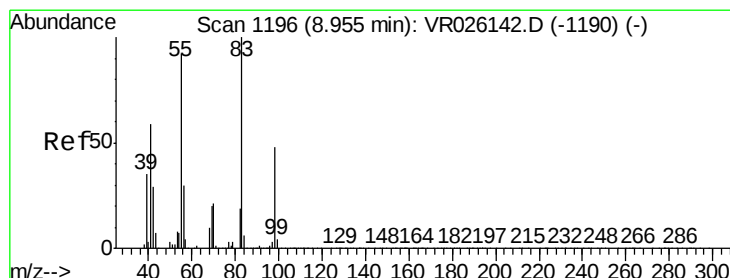
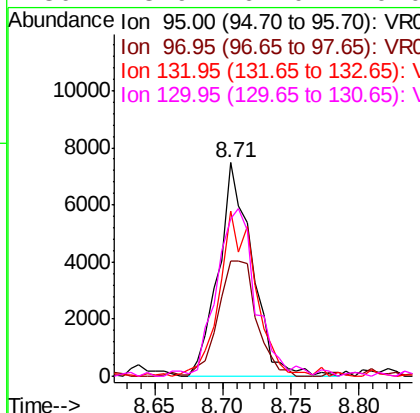
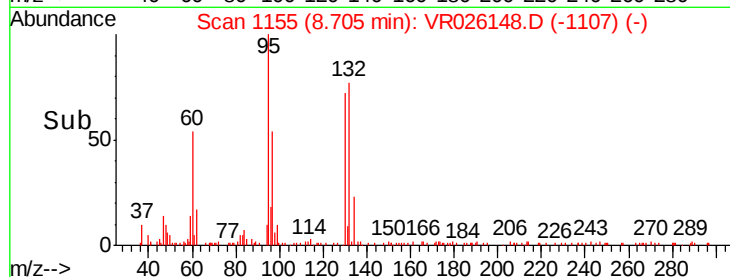
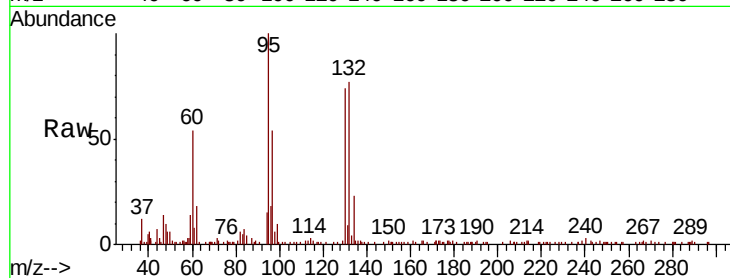
#34
 Trichloroethene
 Concen: 0.284 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	95	Resp:	12856
Ion	Ratio	Lower	Upper
95	100		
97	53.9	45.7	84.9
132	77.3	58.3	108.3
130	73.9	64.0	119.0

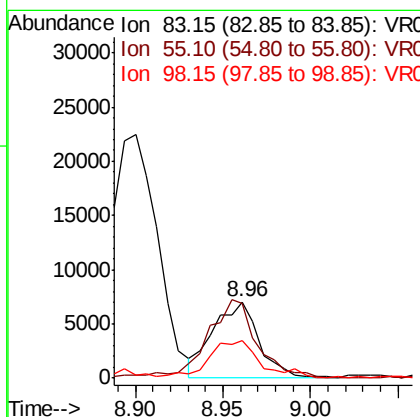
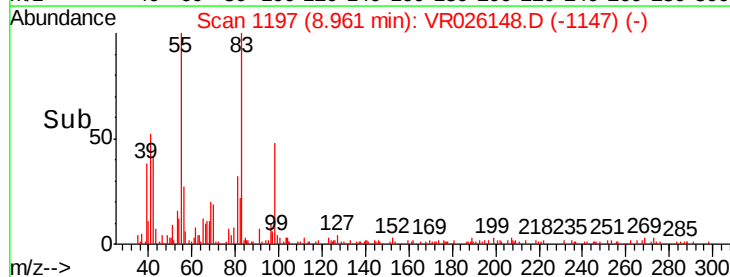
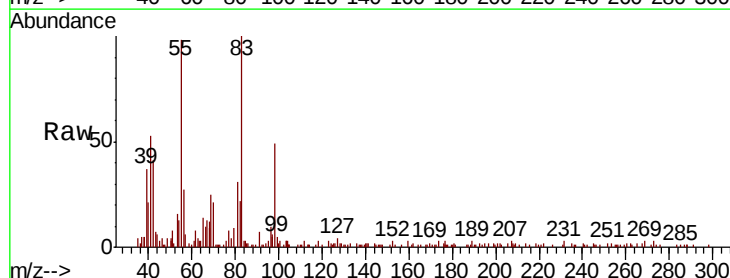
Manual Integrations
 APPROVED

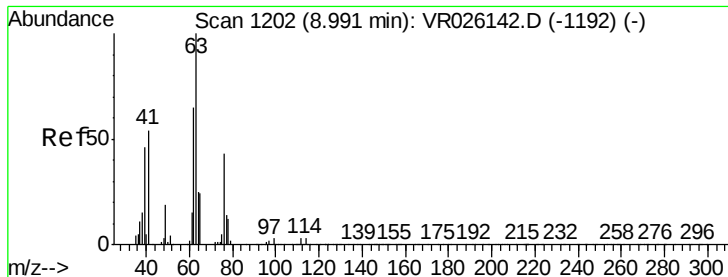
MMDadoda
 10/24/2018 12:17:23 PM



#35
 Methylcyclohexane
 Concen: 0.188 ug/L
 RT: 8.96 min Scan# 1197
 Delta R.T. 0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion	83	Resp:	12643
Ion	Ratio	Lower	Upper
83	100		
55	114.0	66.8	100.2#
98	57.1	35.2	52.8#





#37

1,2-Dichloropropane

Concen: 0.308 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 63 Resp: 11489

Ion Ratio Lower Upper

63 100

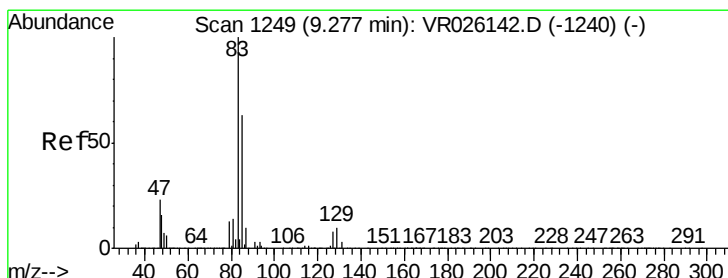
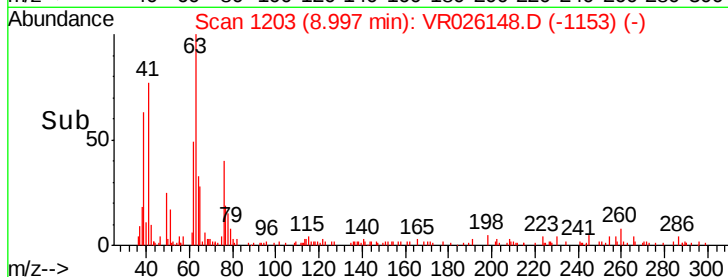
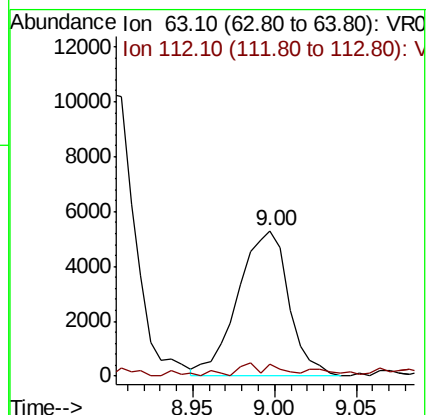
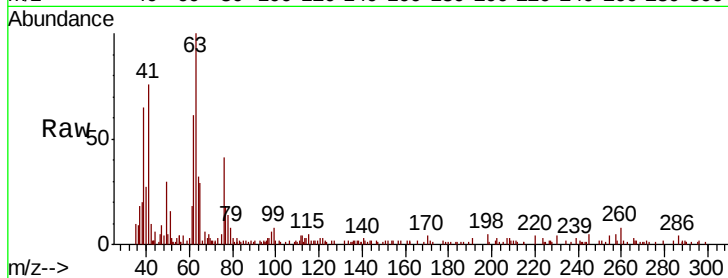
112 4.0 2.7 4.1

Manual Integrations

APPROVED

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#38

Bromodichloromethane

Concen: 0.272 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

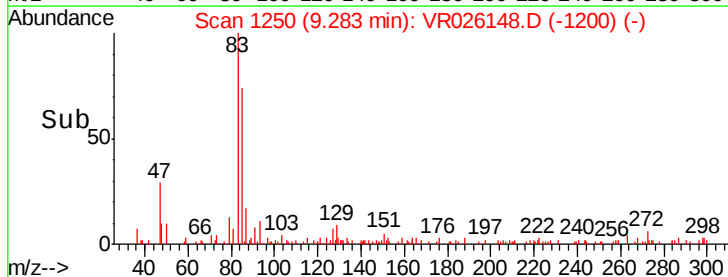
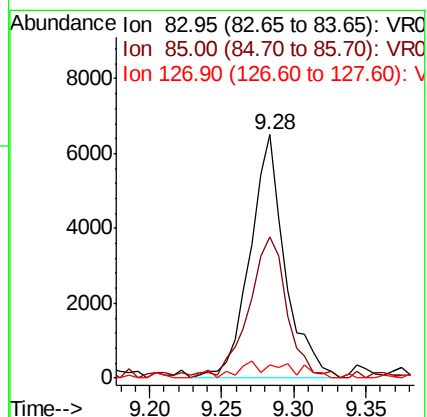
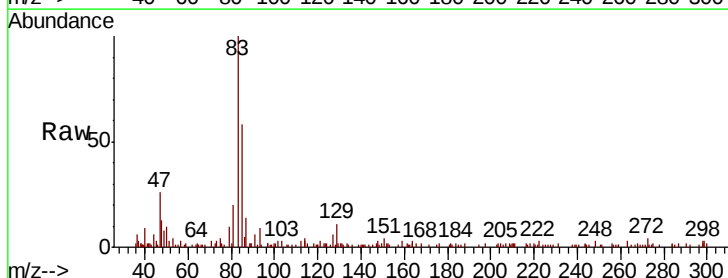
Tgt Ion: 83 Resp: 10905

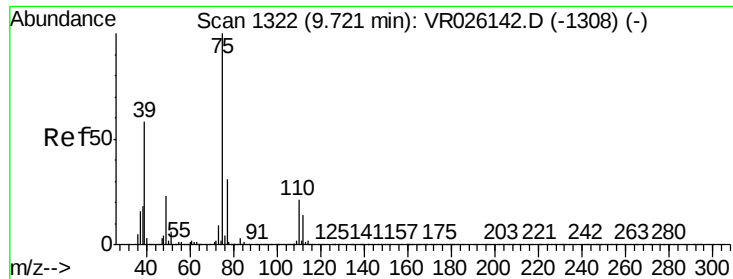
Ion Ratio Lower Upper

83 100

85 58.0 43.5 80.7

127 5.5 7.0 10.6#





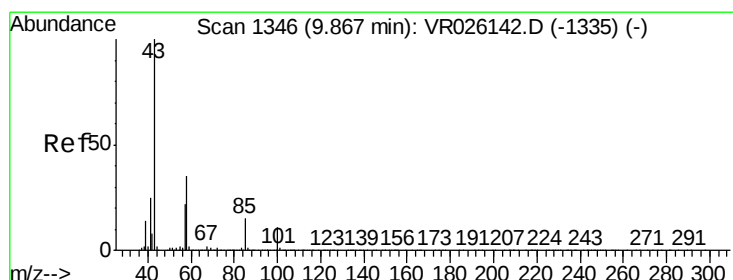
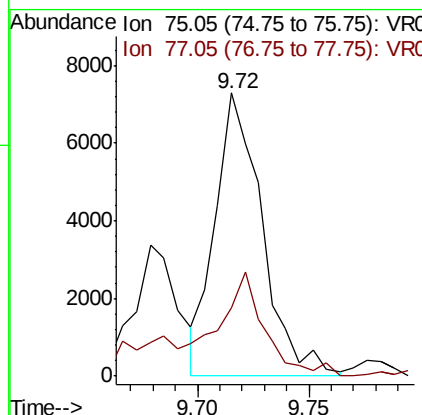
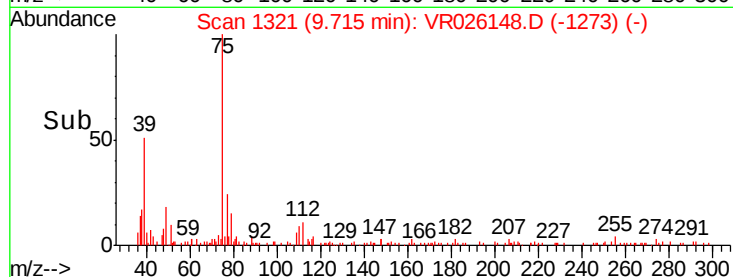
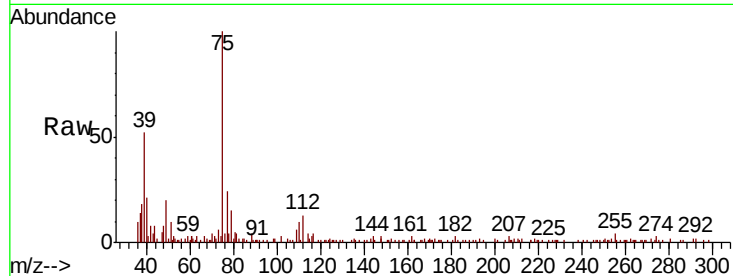
#39
 cis-1,3-Dichloropropene
 Concen: 0.251 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion: 75 Resp: 10694
 Ion Ratio Lower Upper
 75 100
 77 24.0 22.7 42.1

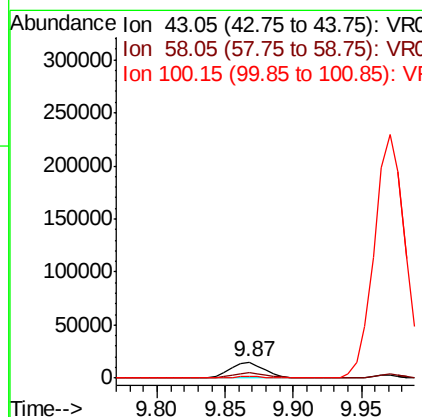
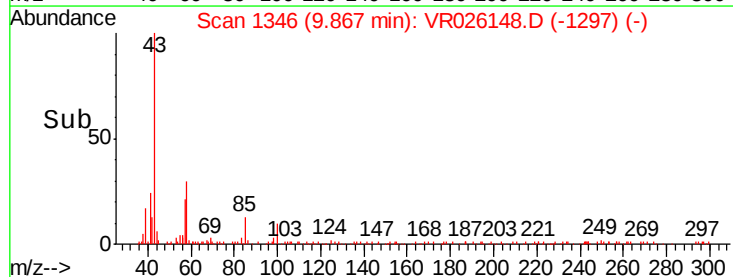
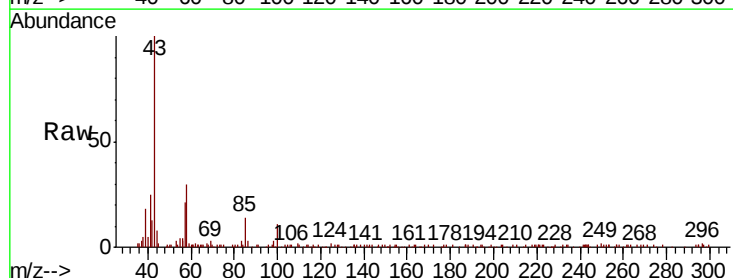
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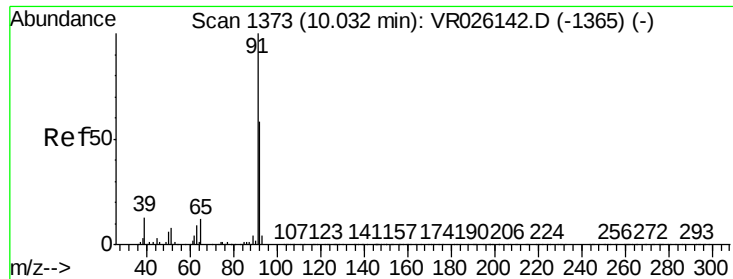
MMDadoda
 10/24/2018 12:17:23 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.401 ug/L
 RT: 9.87 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion: 43 Resp: 27326
 Ion Ratio Lower Upper
 43 100
 58 30.7 28.1 42.1
 100 0.0 9.3 13.9#





#42

Toluene

Concen: 0.262 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 48815

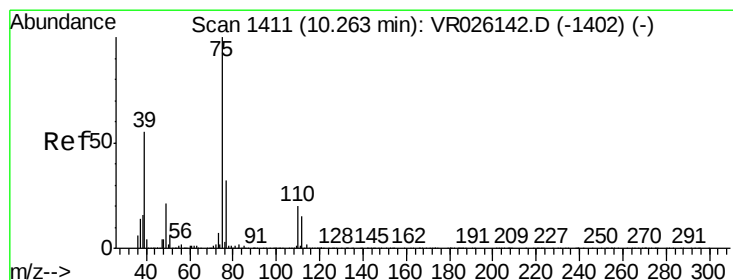
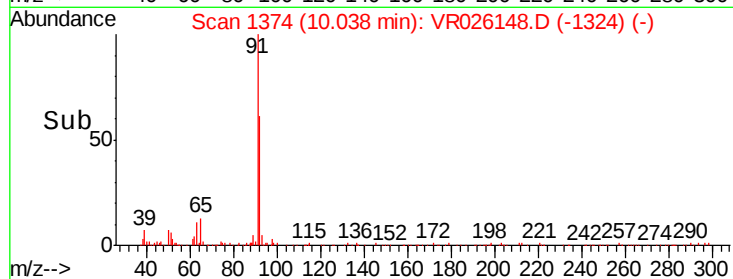
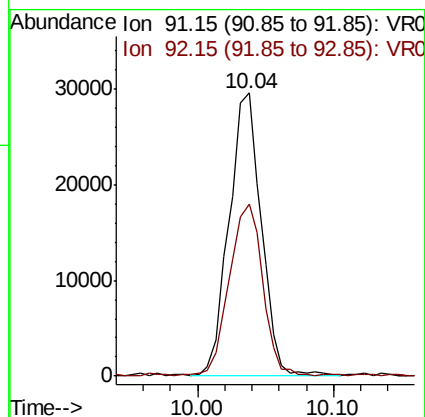
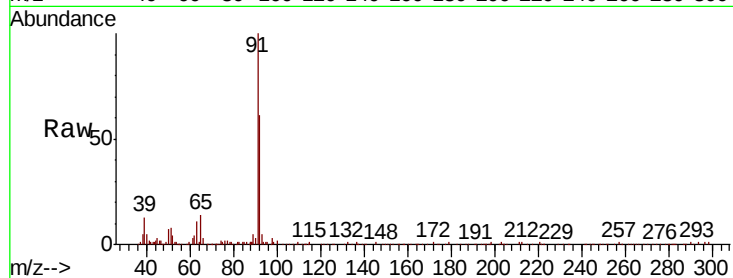
Ion Ratio Lower Upper

91 100

92 60.6 40.8 75.8

Manual Integrations
APPROVED

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#44

trans-1,3-Dichloropropene

Concen: 0.316 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026148.D

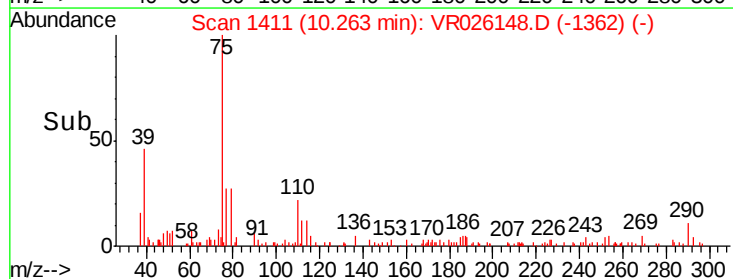
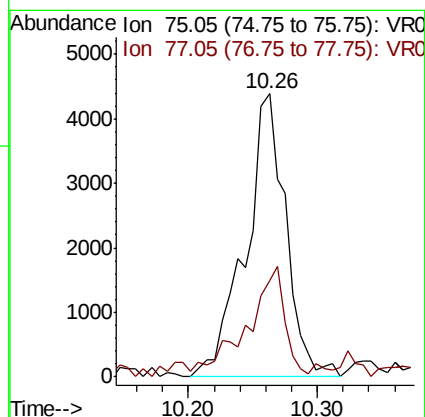
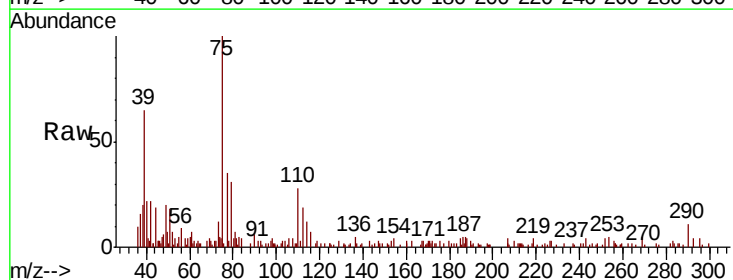
Acq: 19 Oct 2018 14:04

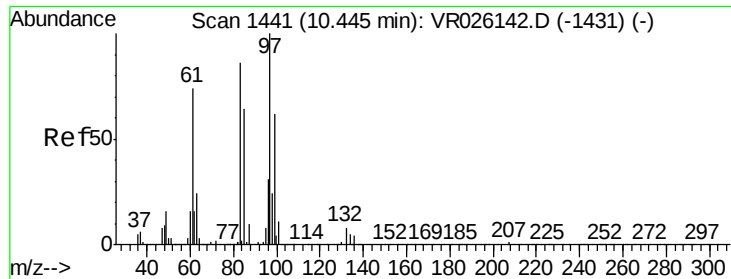
Tgt Ion: 75 Resp: 9425

Ion Ratio Lower Upper

75 100

77 34.2 24.1 44.7





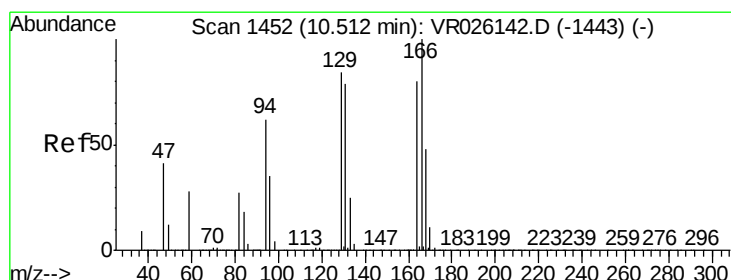
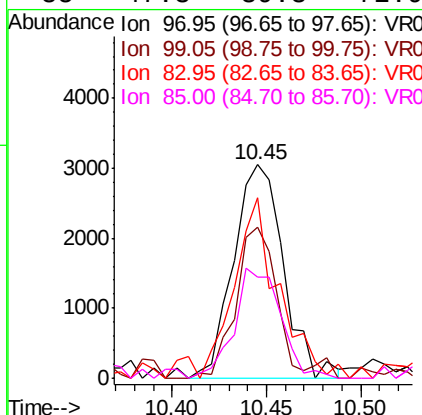
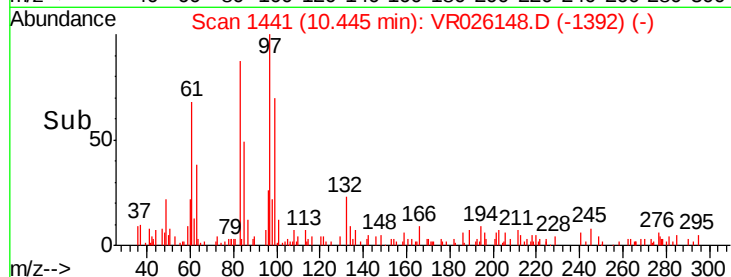
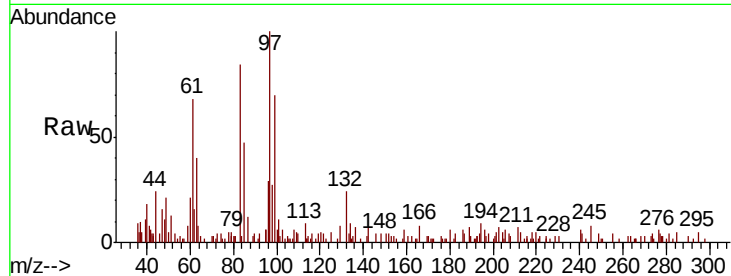
#45
 1,1,2-Trichloroethane
 Concen: 0.357 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion:	97	Resp:	5606
Ion	Ratio	Lower	Upper
97	100		
99	70.4	42.8	79.4
83	84.4	61.9	114.9
85	47.3	39.3	72.9

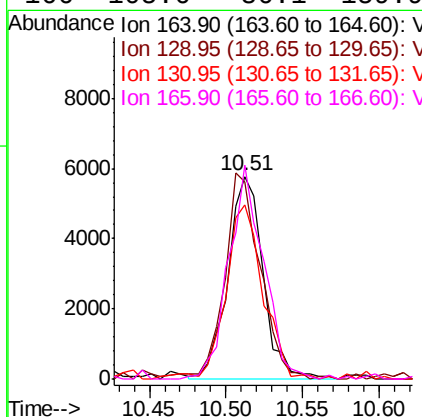
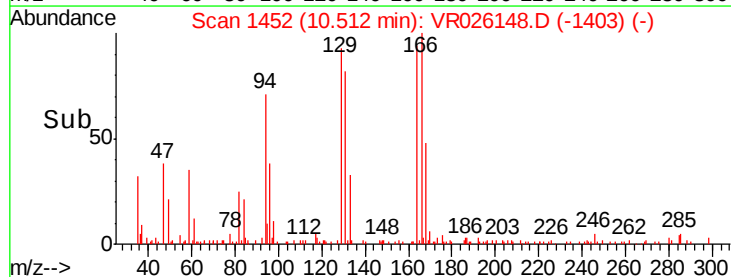
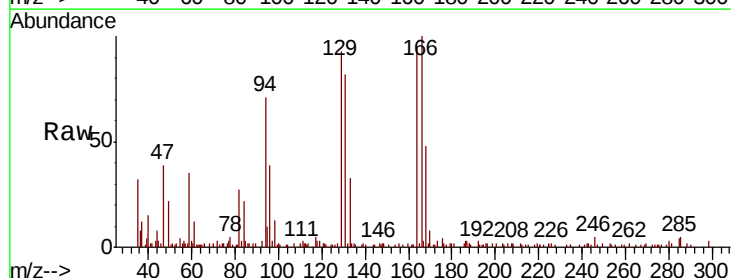
Manual Integrations
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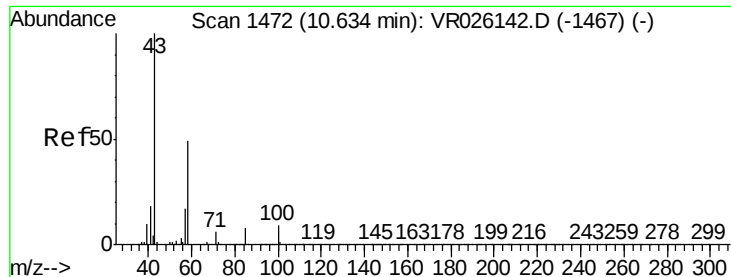
MMDadoda
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#47
 Tetrachloroethene
 Concen: 0.284 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion:	164	Resp:	9173
Ion	Ratio	Lower	Upper
164	100		
129	97.8	70.3	130.5
131	86.4	67.3	125.1
166	105.6	86.1	159.9





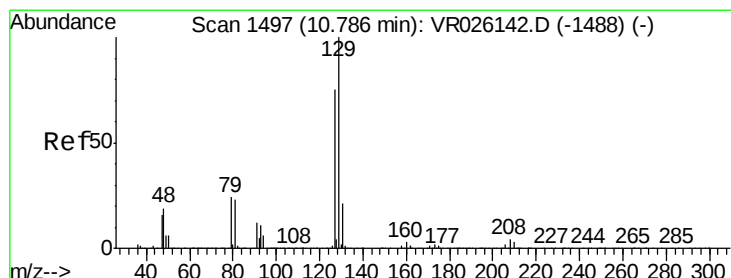
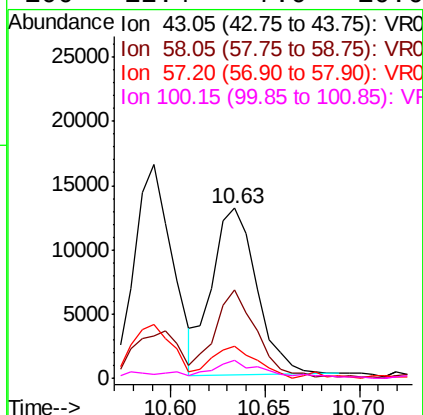
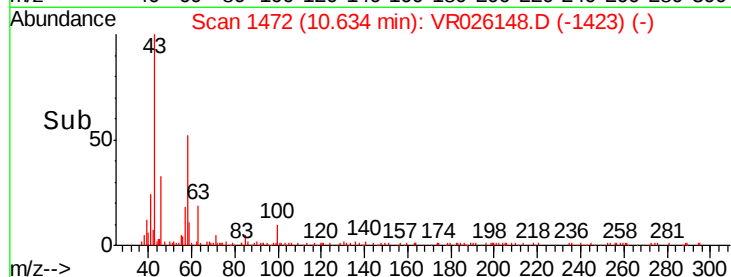
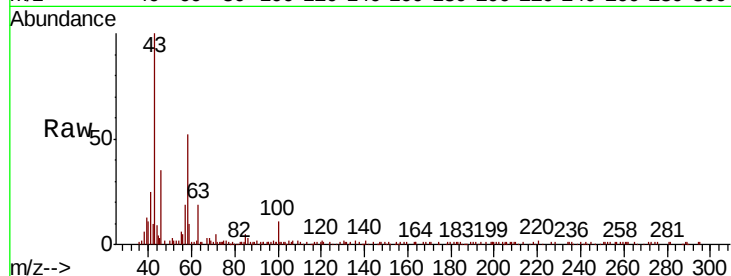
#48
2-Hexanone
Concen: 2.892 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	39.6	59.4
57	19.3	14.0	21.0
100	12.4	7.0	10.6#

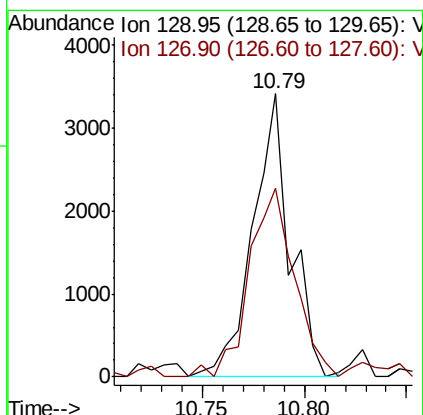
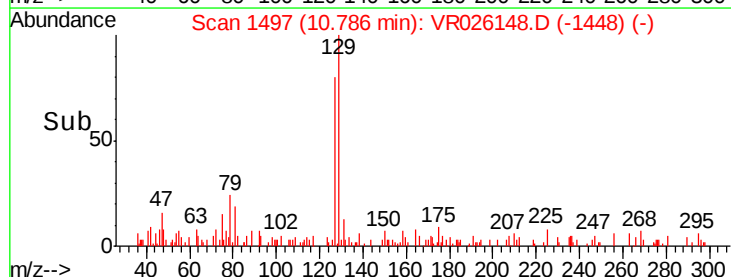
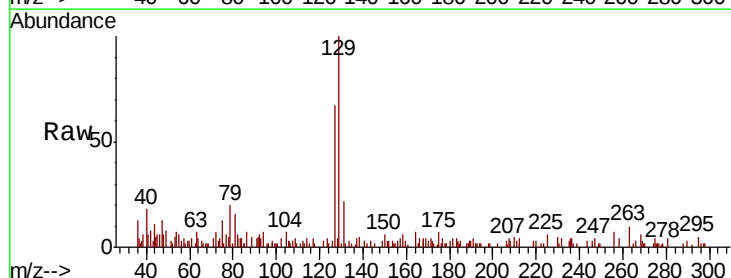
Manual Integrations
APPROVED

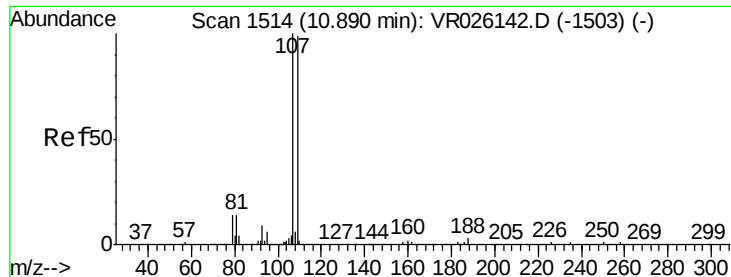
MMDadoda
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#49
Dibromochloromethane
Concen: 0.247 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	66.8	55.0	102.2





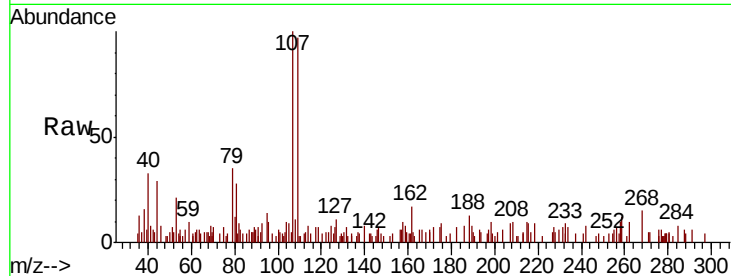
#50
1,2-Dibromoethane
Concen: 0.253 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	97.2	58.7	109.1	
188	13.1	2.9	4.3#	

Manual Integrations
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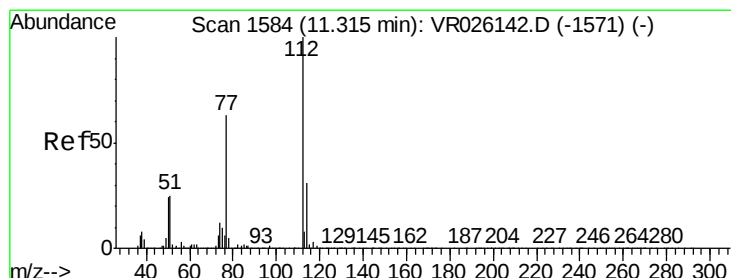
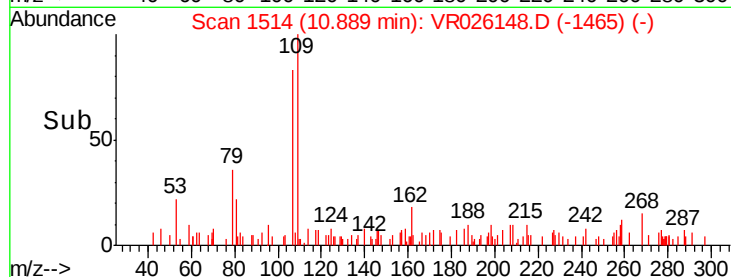
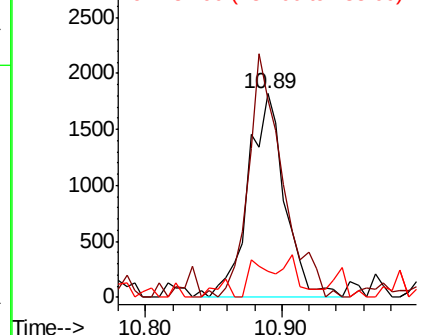


Abundance

Ion 106.95 (106.65 to 107.65): V

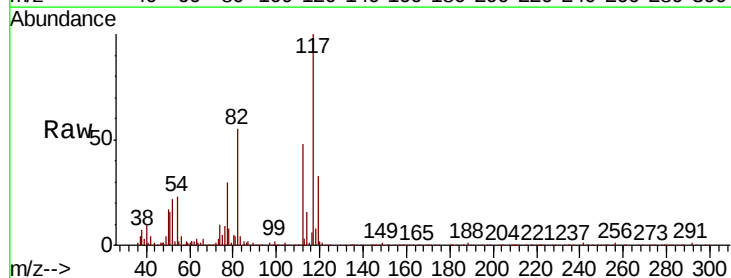
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
Chlorobenzene
Concen: 0.282 ug/L
RT: 11.31 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.4	22.8	42.4	
77	62.0	51.5	77.3	

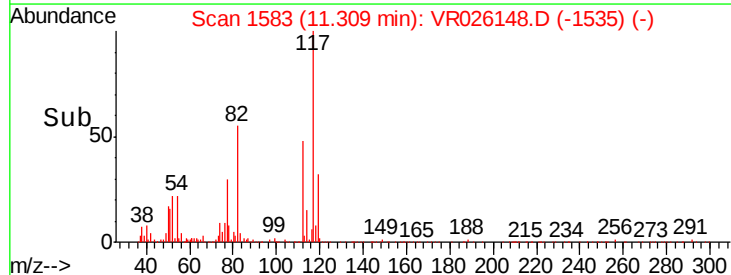
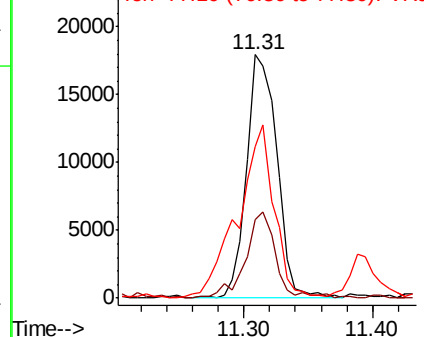


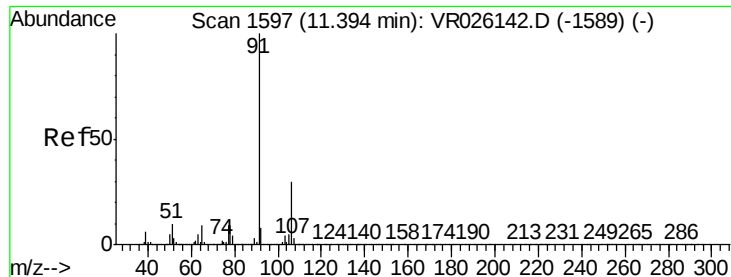
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0





#52

Ethylbenzene

Concen: 0.226 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

ClientSampleId :

MDL

Tot Ion: 91 Resp: 48429

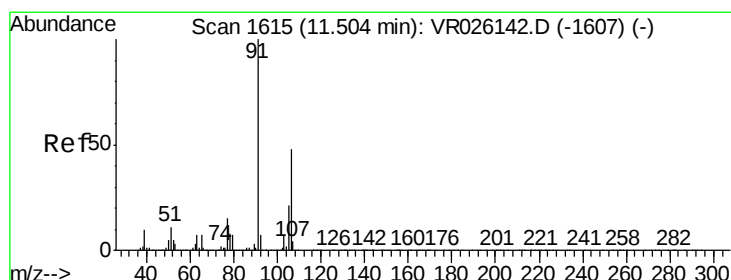
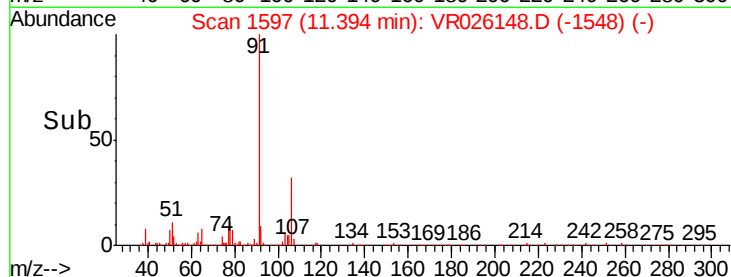
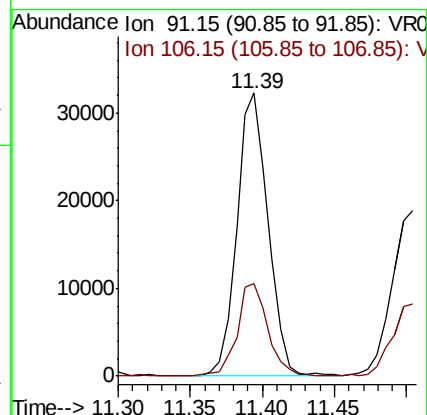
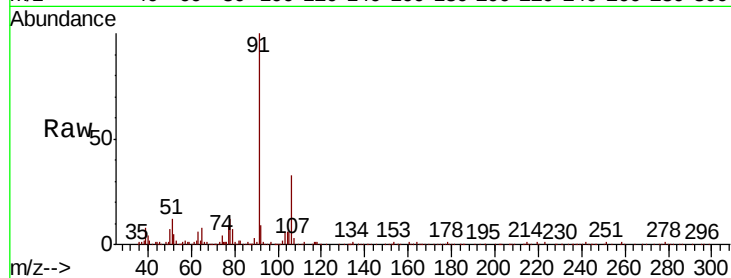
Ion Ratio Lower Upper

91 100

106 32.6 21.2 39.4

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#53

m,p-Xylene

Concen: 0.208 ug/L

RT: 11.51 min Scan# 1616

Delta R.T. 0.01 min

Lab File: VR026148.D

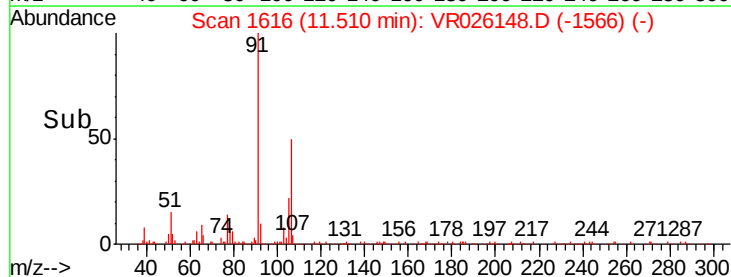
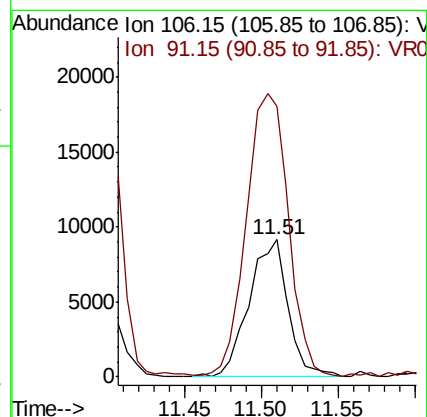
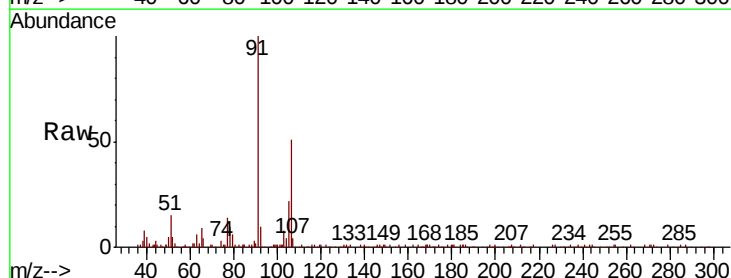
Acq: 19 Oct 2018 14:04

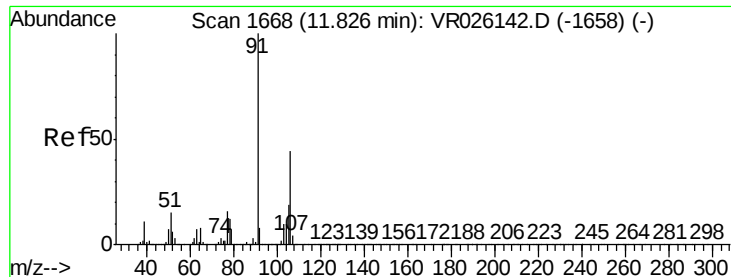
Tgt Ion: 106 Resp: 16273

Ion Ratio Lower Upper

106 100

91 197.1 145.3 269.8





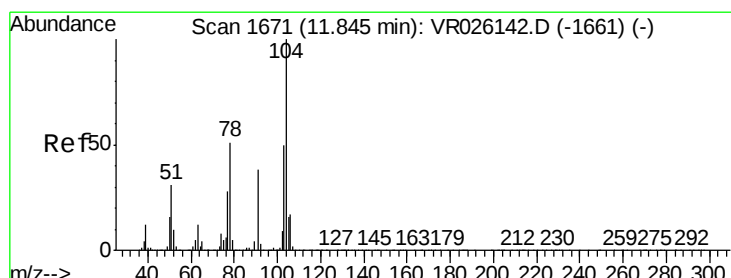
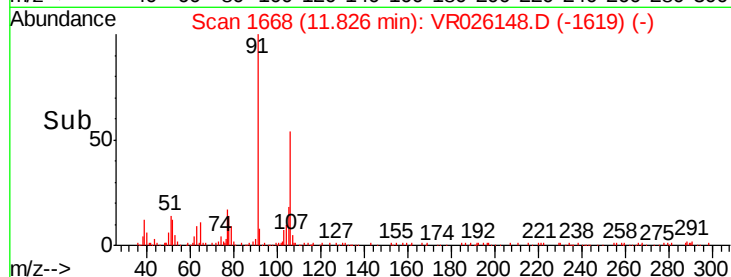
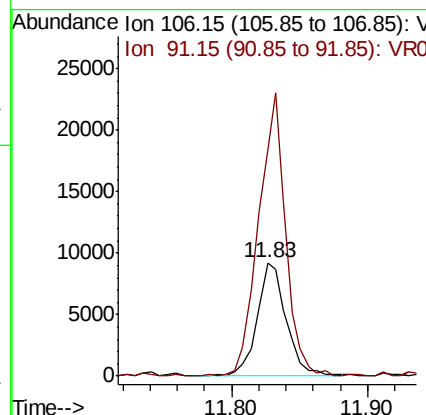
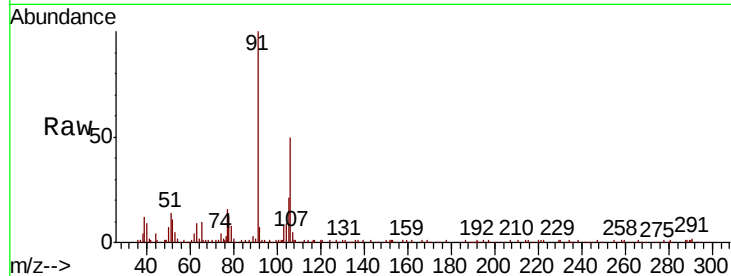
#54
o-Xylene
Concen: 0.193 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampleId :
MDL

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.9	155.8	289.3

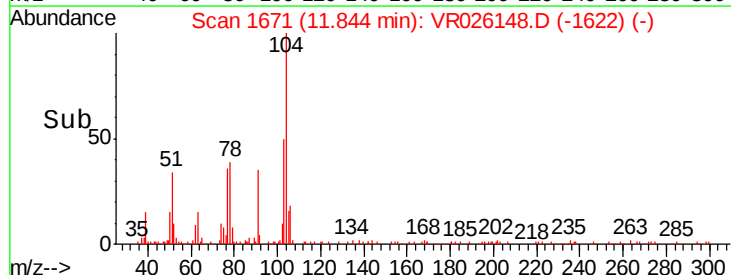
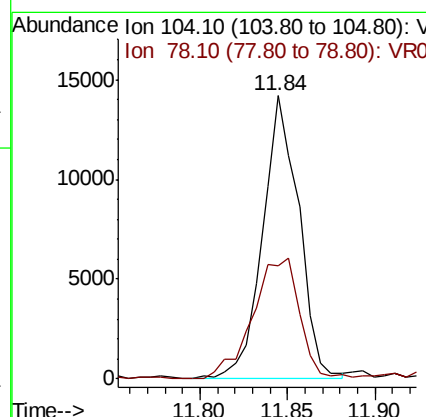
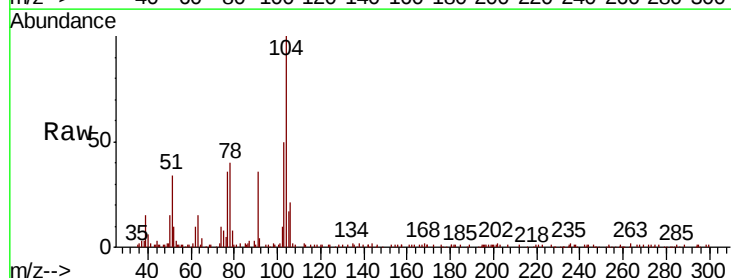
Manual Integrations
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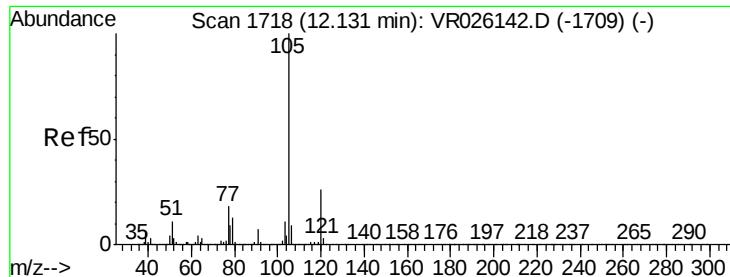
MMDadoda
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#55
Styrene
Concen: 0.186 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.2	34.7	64.5





#56

Isopropylbenzene

Concen: 0.174 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Instrument :

MSVOA_R

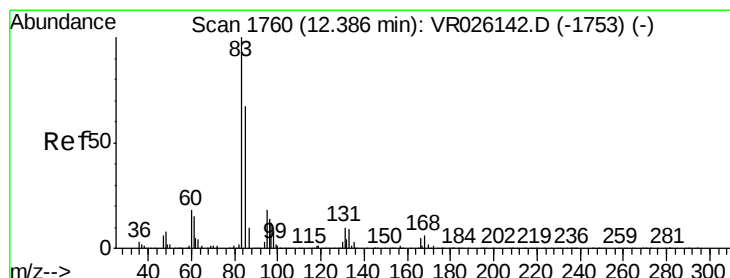
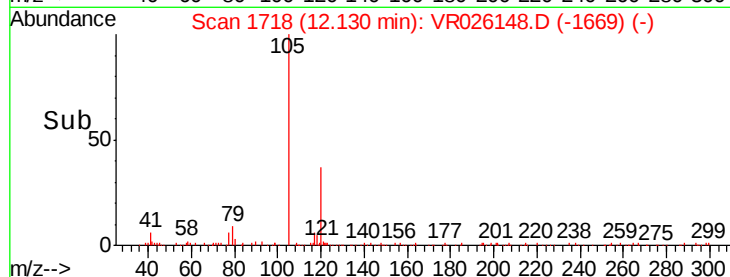
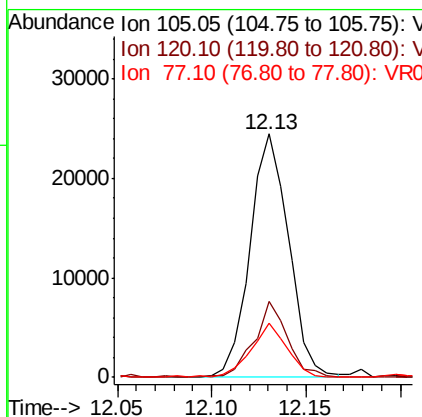
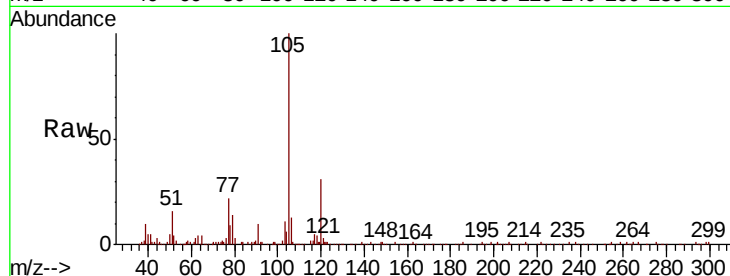
ClientSampleId :

MDL

Tot Ion:	105	Resp:	34700
Ion Ratio		Lower	Upper
105	100		
120	26.9	21.0	31.4
77	20.9	14.6	21.8

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.350 ug/L

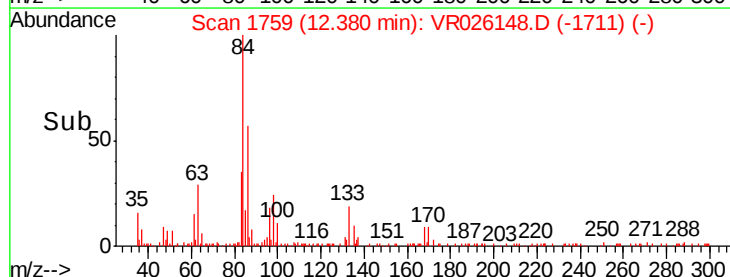
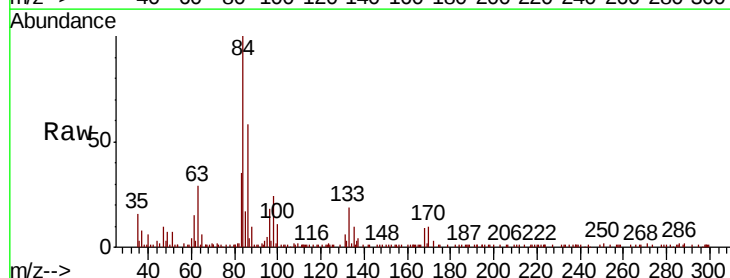
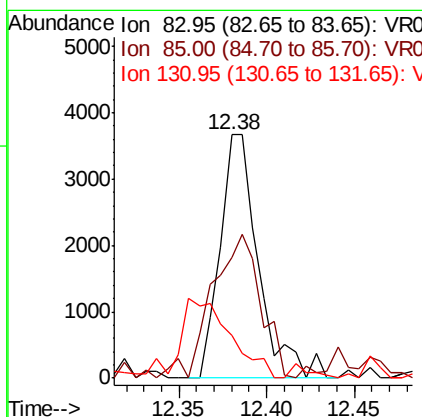
RT: 12.38 min Scan# 1759

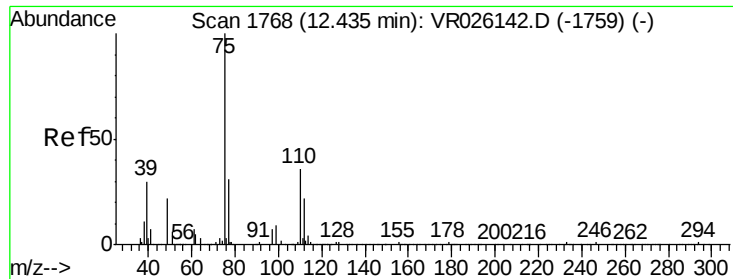
Delta R.T. -0.01 min

Lab File: VR026148.D

Acq: 19 Oct 2018 14:04

Tgt Ion:	83	Resp:	5583
Ion Ratio		Lower	Upper
83	100		
85	49.8	44.0	81.8
131	17.3	8.0	12.0#





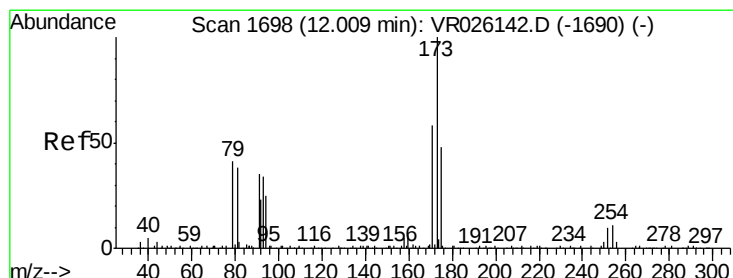
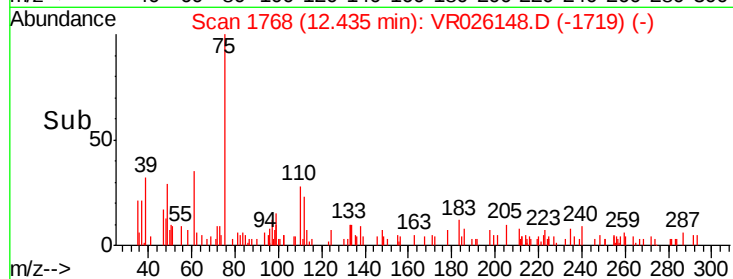
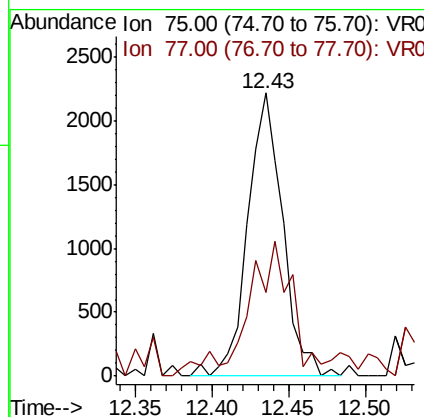
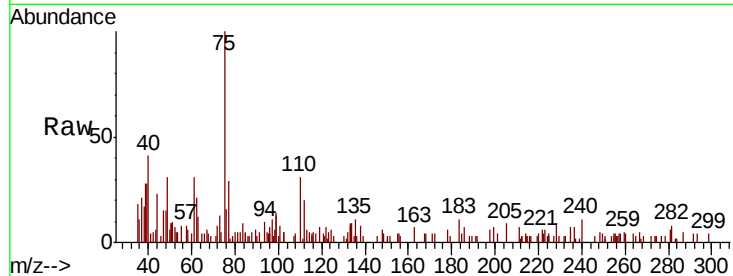
#59
 1,2,3-Trichloropropane
 Concen: 0.299 ug/L
 RT: 12.43 min Scan# 1768
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	Ratio	Lower	Upper
75	100		
77	54.4	26.2	39.2#

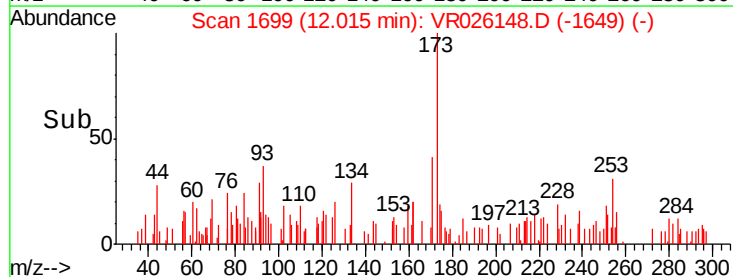
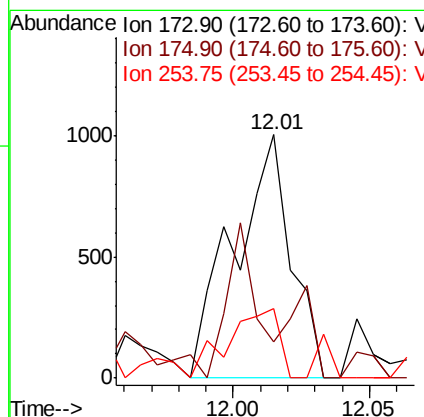
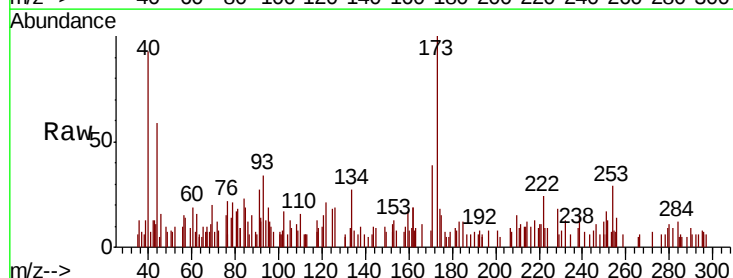
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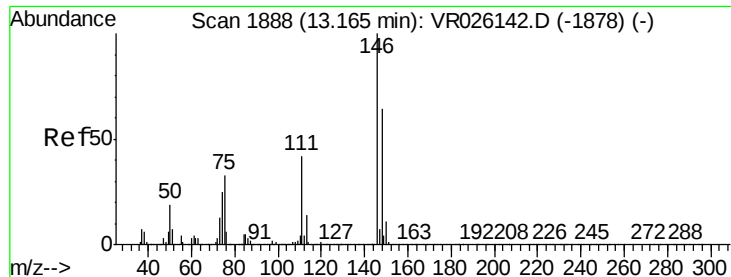
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#61
 Bromoform
 Concen: 0.280 ug/L
 RT: 12.01 min Scan# 1699
 Delta R.T. 0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
173	100		
175	29.1	39.0	58.4#
254	25.4	8.1	12.1#





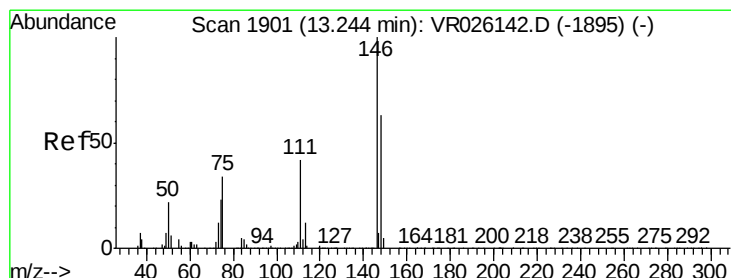
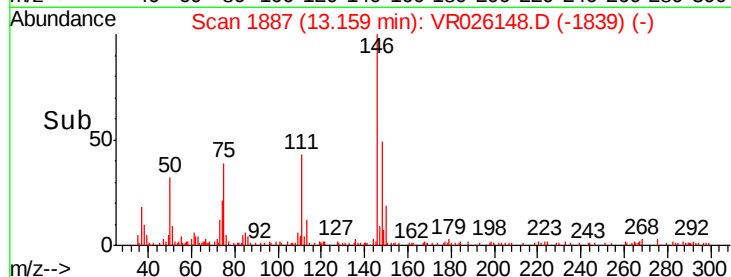
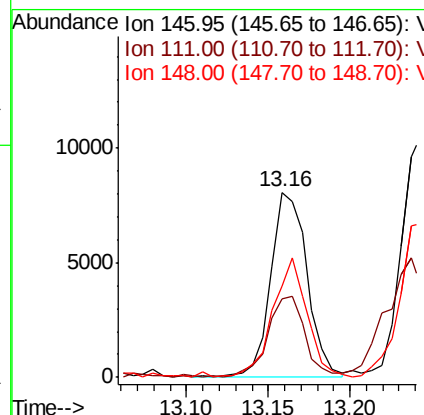
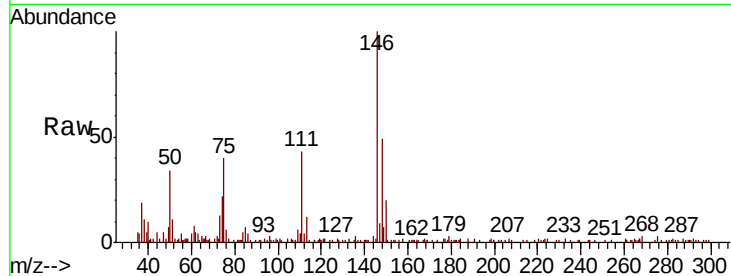
#62
 1,3-Dichlorobenzene
 Concen: 0.251 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	32.1	59.7
148	49.4	43.8	81.3

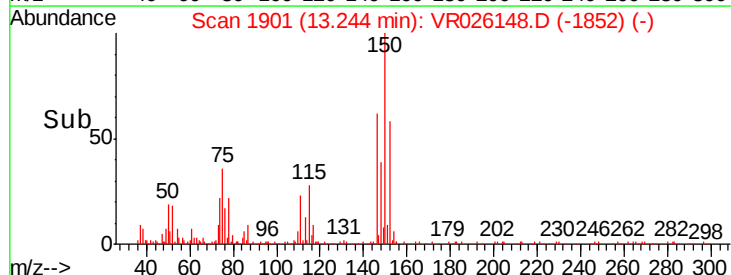
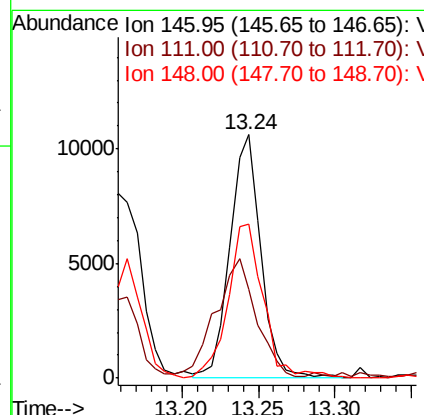
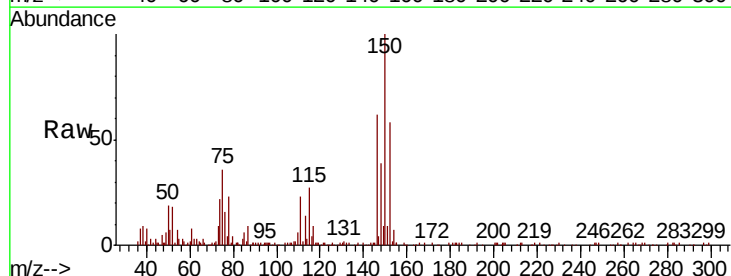
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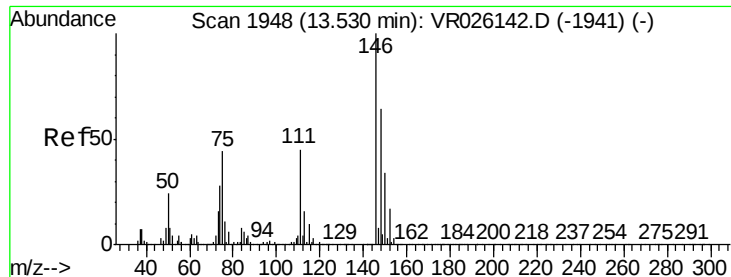
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#63
 1,4-Dichlorobenzene
 Concen: 0.288 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	32.6	60.6
148	63.4	46.7	86.7





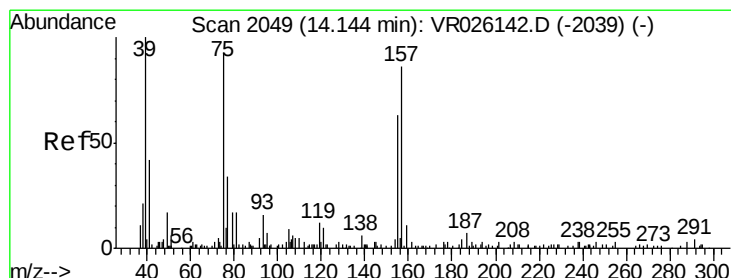
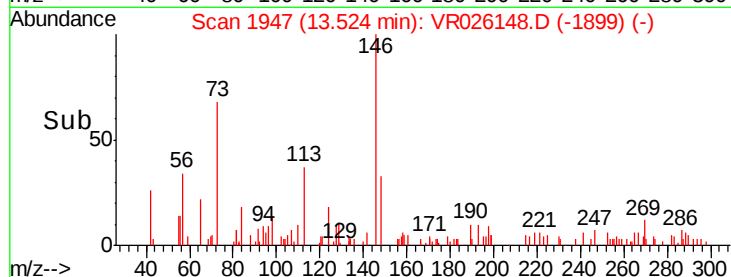
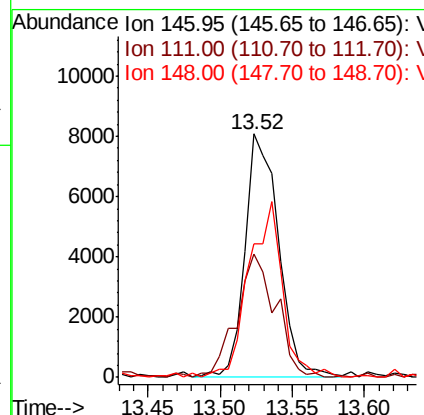
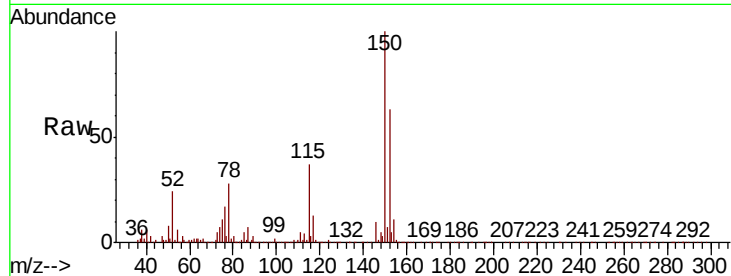
#65
1,2-Dichlorobenzene
Concen: 0.325 ug/L
RT: 13.52 min Scan# 1947
Delta R.T. -0.01 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.5	35.2	52.8
148	54.7	51.2	76.8

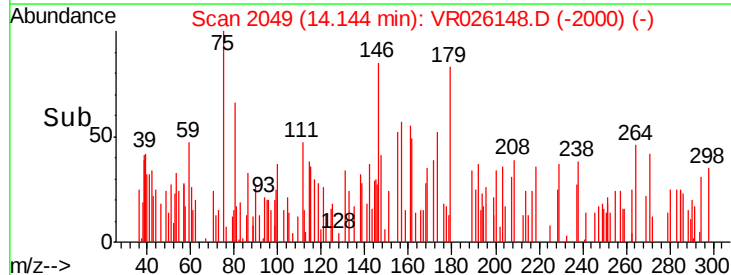
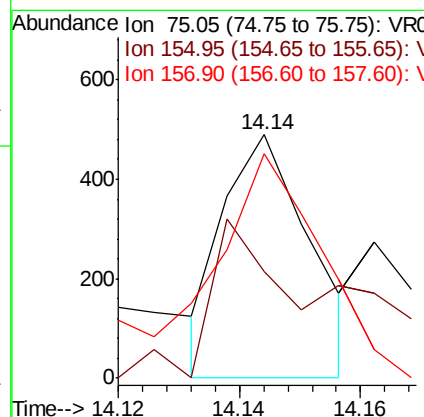
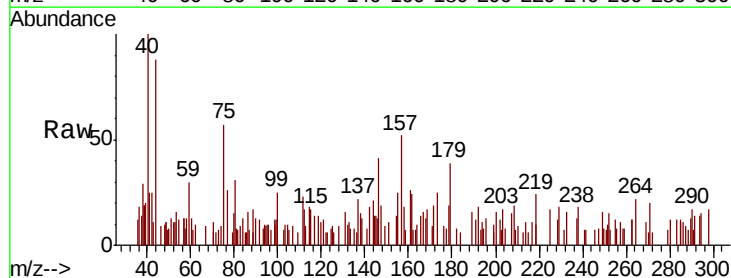
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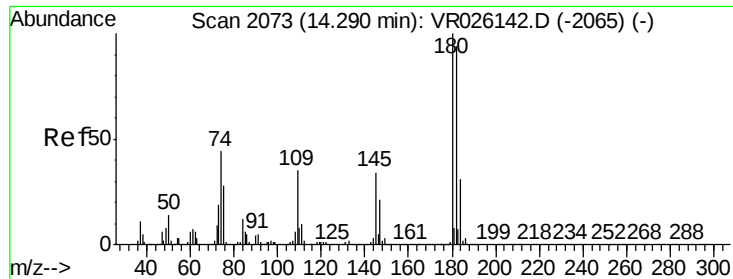
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#66
1,2-Dibromo-3-chloropropane
Concen: 0.299 ug/L m
RT: 14.14 min Scan# 2049
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	43.7	40.9	61.3
157	92.0	67.3	100.9





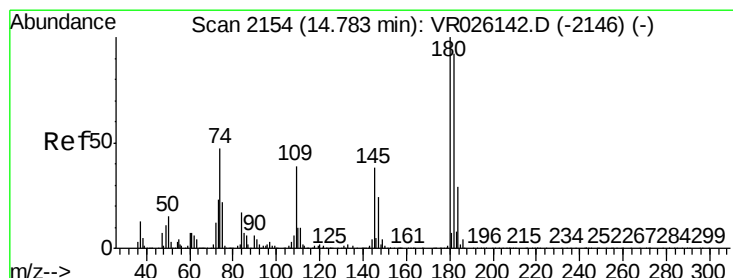
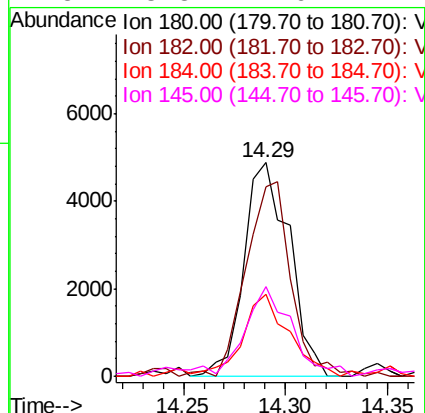
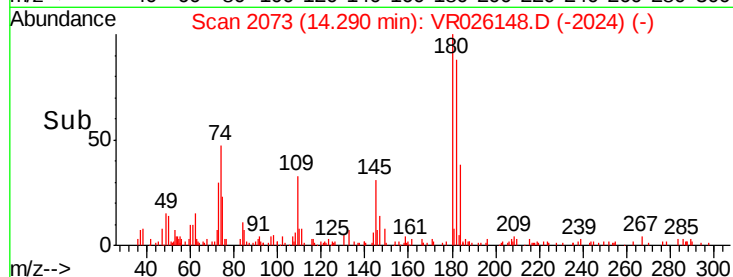
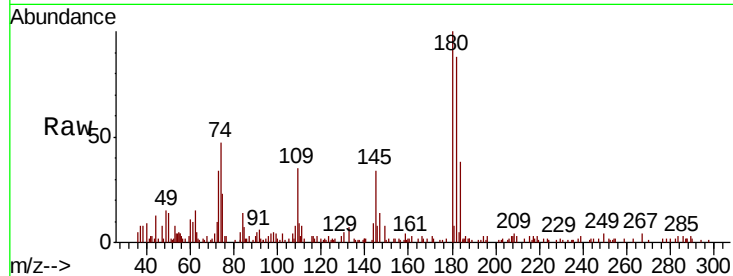
#67
 1,3,5-Trichlorobenzene
 Concen: 0.247 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL

Tot Ion:	180	Resp:	7492
Ion Ratio	Lower	Upper	
180	100		
182	90.3	77.5	116.3
184	39.0	25.0	37.4#
145	43.8	27.6	41.4#

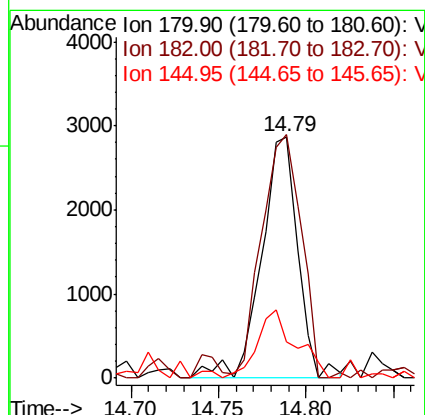
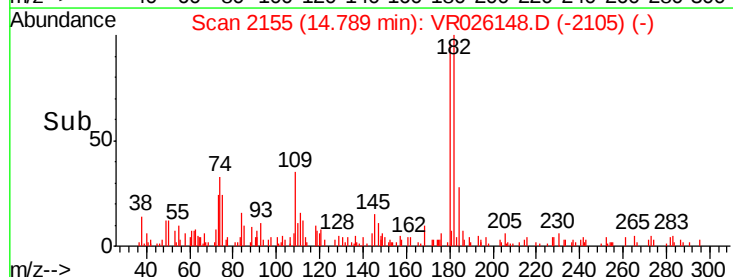
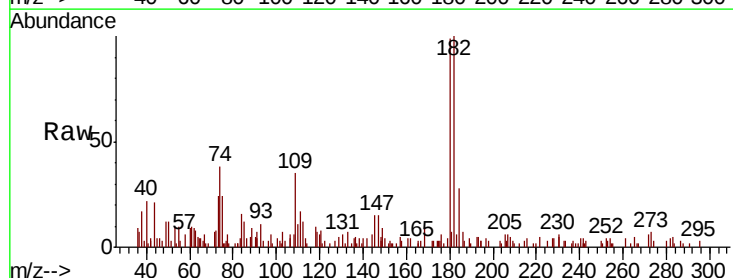
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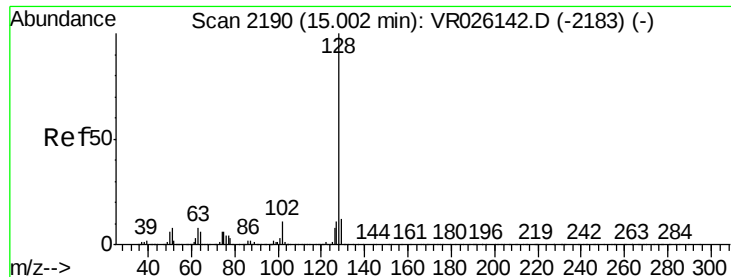
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#68
 1,2,4-trichlorobenzene
 Concen: 0.235 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026148.D
 Acq: 19 Oct 2018 14:04

Tgt Ion:	180	Resp:	4160
Ion Ratio	Lower	Upper	
180	100		
182	108.6	76.1	114.1
145	29.8	28.2	42.4





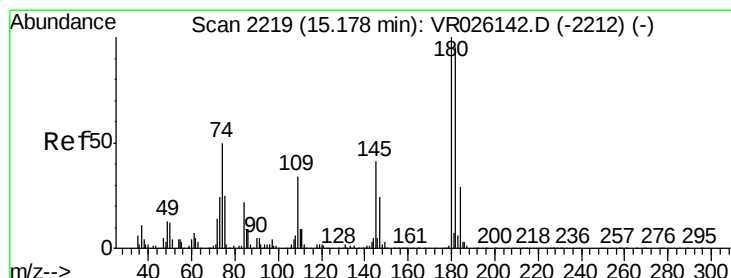
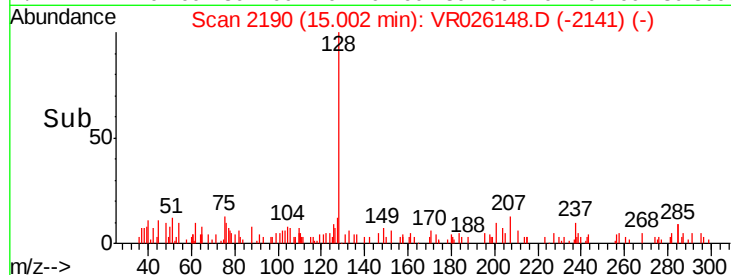
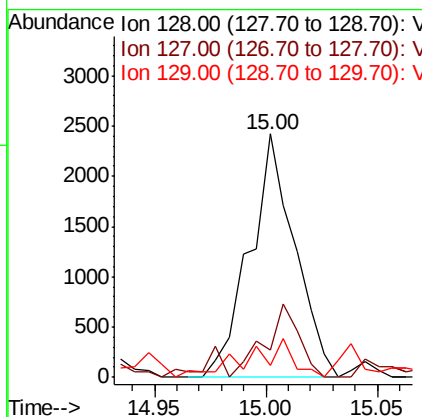
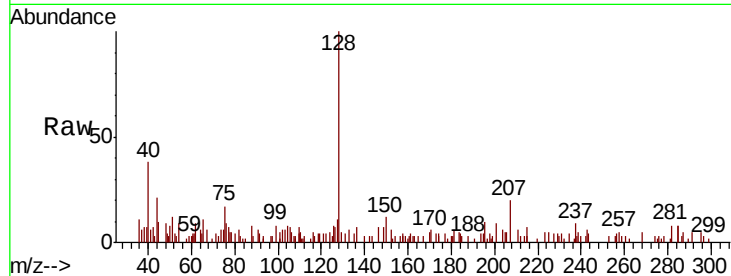
#69
Naphthalene
Concen: 0.198 ug/L
RT: 15.00 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Instrument :
MSVOA_R
ClientSampled :
MDL

Tot Ion	Ratio	Lower	Upper
128	100		
127	22.6	11.0	16.6#
129	14.2	9.1	13.7#

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#70
1,2,3-Trichlorobenzene
Concen: 0.304 ug/L
RT: 15.18 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VR026148.D
Acq: 19 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	75.7	113.5
145	14.0	28.8	43.2#

