

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051479.D
 Acq On : 25 Sep 2018 12:09
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:21:31 AM

Quant Time: Sep 26 02:20:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	110573	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	598702	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	227554	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	12.40	95	239796	30.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.83%
63) Toluene-d8	10.09	98	809344	31.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	105.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	91951	19.416	ug/l 100
3) Chloromethane	2.06	50	168849	20.737	ug/l 99
4) Vinyl Chloride	2.18	62	180188	20.740	ug/l 100
5) Bromomethane	2.57	94	122636	21.597	ug/l 93
6) Chloroethane	2.70	64	113402	21.176	ug/l 97
7) Trichlorofluoromethane	3.02	101	237349	21.047	ug/l 94
8) Diethyl Ether	3.41	74	68321	20.150	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125046	21.836	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	114620	21.973	ug/l 94
11) Methyl Iodide	3.95	142	157704	20.502	ug/l 95
12) Methyl Acetate	4.33	43	98566	21.498	ug/l # 89
13) Acrolein	3.61	56	64474	105.460	ug/l 93
14) Acrylonitrile	4.99	53	203556	109.297	ug/l # 61
15) Acetone	3.82	58	48563	105.872	ug/l 89
16) Carbon Disulfide	4.05	76	343177	20.741	ug/l 98
17) Allyl chloride	4.33	41	185724	20.169	ug/l 99
18) Methylene Chloride	4.55	84	134336	21.564	ug/l 95
19) trans-1,2-Dichloroethene	5.04	96	123329	21.841	ug/l 95
20) Diisopropyl ether	5.95	45	415126	22.704	ug/l # 86
21) 1,1-Dichloroethane	5.85	63	241656	21.942	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	136637	21.624	ug/l 98
23) tert-Butyl Alcohol	4.79	59	39706	113.213	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	304666	21.444	ug/l # 64
25) Chloroform	7.37	83	242577	22.082	ug/l 95
26) Cyclohexane	7.66	56	201973	21.540	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	185867	22.049	ug/l 99
30) 2-Butanone	6.84	43	238332	109.452	ug/l # 96
31) 2,2-Dichloropropane	6.83	77	200848	22.337	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	207595	21.571	ug/l 99
33) Carbon Tetrachloride	7.78	117	188491	21.346	ug/l 92
34) Benzene	8.04	78	547264	21.867	ug/l # 69
35) Methacrylonitrile	7.18	41	58362	18.599	ug/l 92
36) 1,2-Dichloroethane	8.13	62	176193	21.620	ug/l 99
37) Trichloroethene	8.83	130	142878	21.539	ug/l 99
38) Methylcyclohexane	9.08	83	207014	21.184	ug/l 95
39) 1,2-Dichloropropane	9.12	63	150280	22.073	ug/l 92
40) Dibromomethane	9.21	93	84181	21.724	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	184805	21.692	ug/l	94
42) Vinyl Acetate	5.90	43	1312090	108.365	ug/l	99
43) Ethyl Acetate	6.93	43	108123	23.865	ug/l	97
44) Isopropyl Acetate	8.17	43	188538	21.637	ug/l #	79
45) 1,4-Dioxane	9.20	88	24292	458.233	ug/l	90
46) Methyl methacrylate	9.20	41	90589	20.993	ug/l	94
47) n-amyl Acetate	12.24	43	2247	0.323	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	188265	22.254	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	222614	22.733	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	128435	23.181	ug/l	96
51) Ethyl methacrylate	10.43	69	146356	22.320	ug/l	97
52) 1,3-Dichloropropane	10.71	76	206004	22.039	ug/l	97
53) Dibromochloromethane	10.90	129	138111	21.671	ug/l	99
54) 1,2-Dibromoethane	11.00	107	116816	21.851	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	352758	108.944	ug/l	99
56) Bromoform	12.12	173	93782	21.827	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	558346	118.833	ug/l	95
59) 2-Hexanone	10.75	43	343941	111.221	ug/l	97
61) Tetrachloroethene	10.63	164	141356	22.726	ug/l	96
62) Toluene	10.16	91	626501	22.890	ug/l	98
64) Chlorobenzene	11.43	112	367912	21.925	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	137816	21.242	ug/l	97
66) Ethyl Benzene	11.51	91	610527	21.622	ug/l	97
67) m/p-Xylenes	11.62	106	492295	45.289	ug/l	98
68) o-Xylene	11.95	106	232638	22.470	ug/l	92
69) Styrene	11.96	104	363361	22.218	ug/l	99
70) Isopropylbenzene	12.25	105	619834	22.371	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	140869	21.598	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	127076m	24.707	ug/l	
73) Bromobenzene	12.53	156	150787	21.594	ug/l	96
74) n-propylbenzene	12.59	91	707440	21.962	ug/l	99
75) 2-Chlorotoluene	12.67	91	422886	22.246	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	521533	22.812	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	35539	20.036	ug/l	94
78) 4-Chlorotoluene	12.77	91	416043	22.066	ug/l	97
79) tert-butylbenzene	12.99	119	453461	22.781	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	535165	23.285	ug/l	99
81) sec-Butylbenzene	13.17	105	626151	22.867	ug/l	98
82) p-Isopropyltoluene	13.29	119	531385	22.480	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	259367	21.176	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	245752	21.364	ug/l	97
85) n-Butylbenzene	13.62	91	412086	21.233	ug/l	97
86) Hexachloroethane	13.87	117	104869	22.140	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	253522	21.835	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20273	21.060	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	108412	18.745	ug/l	98
90) Hexachlorobutadiene	15.01	225	101000	22.533	ug/l	97
91) Naphthalene	15.13	128	178854	16.389	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	109696	18.789	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

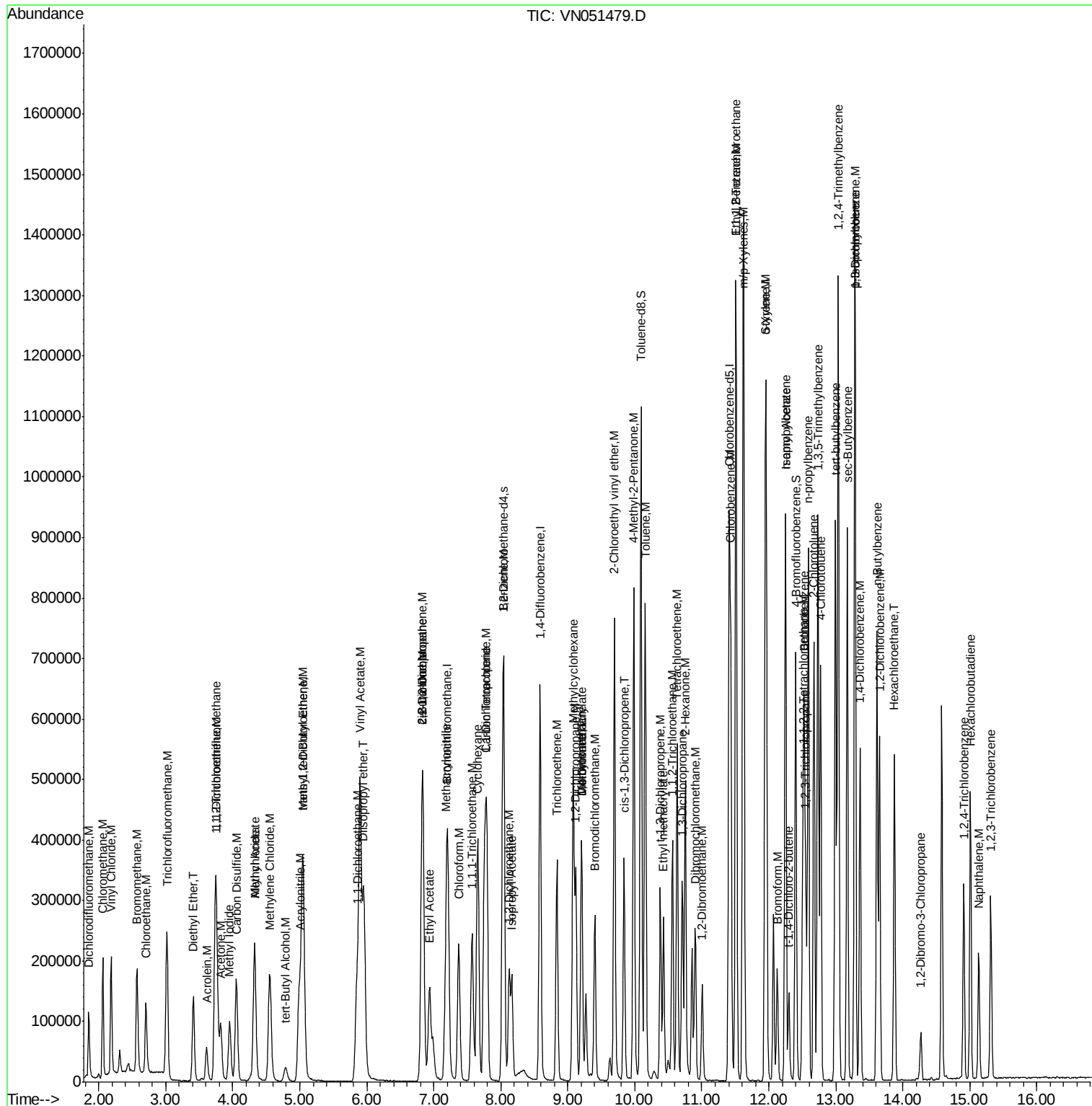
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
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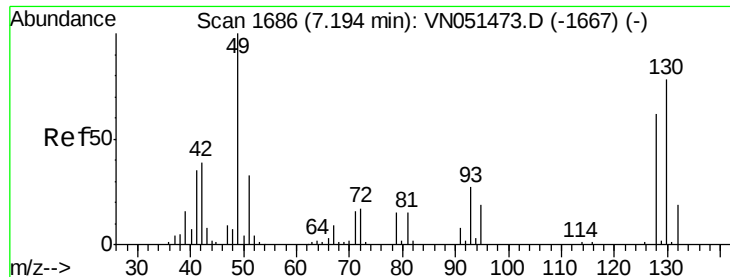
Instrument :
MSVOA_N
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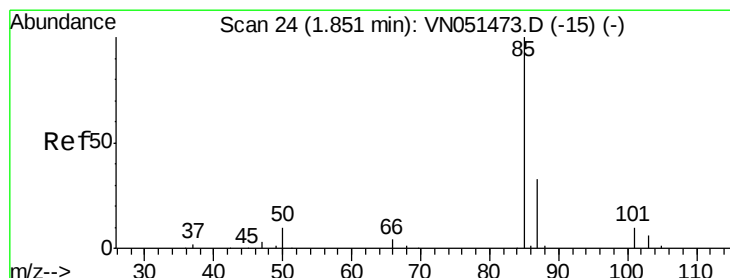
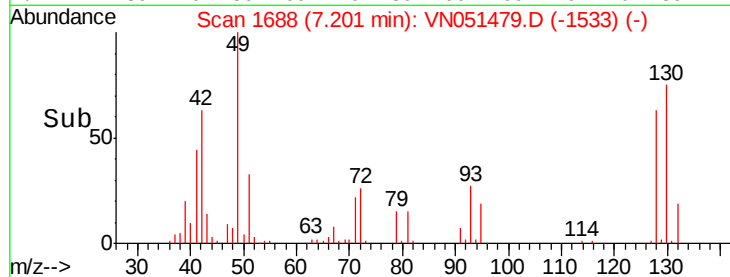
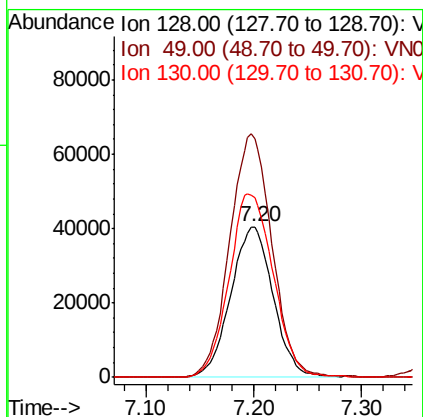
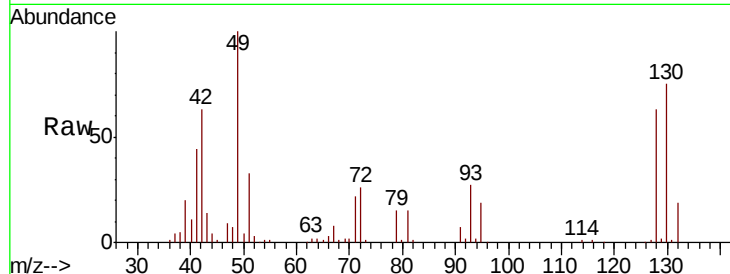
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
128	100		
49	161.3	0.0	403.3
130	127.1	0.0	326.0

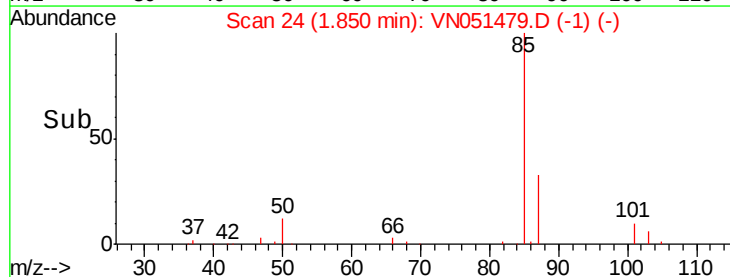
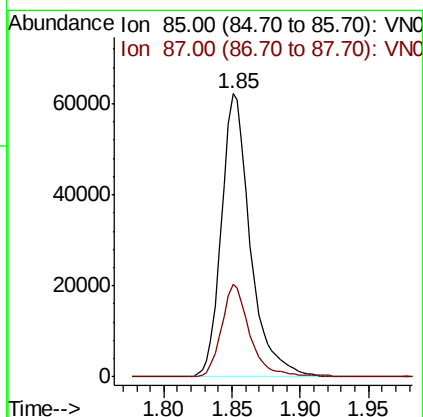
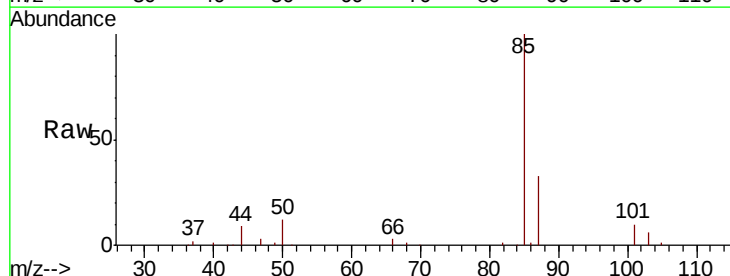
Manual Integrations
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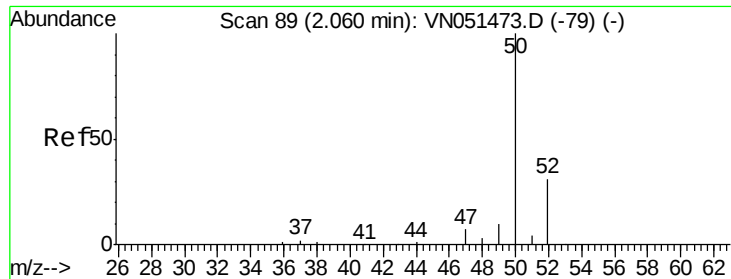
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#2
Dichlorodifluoromethane
Concen: 19.416 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.3	48.8





#3

Chloromethane

Concen: 20.737 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

Tot Ion: 50 Resp: 168849

Ion Ratio Lower Upper

50 100

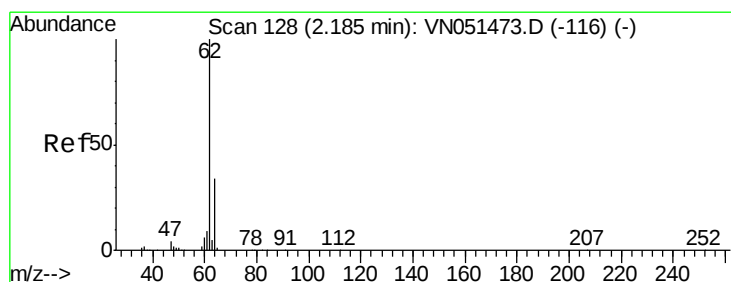
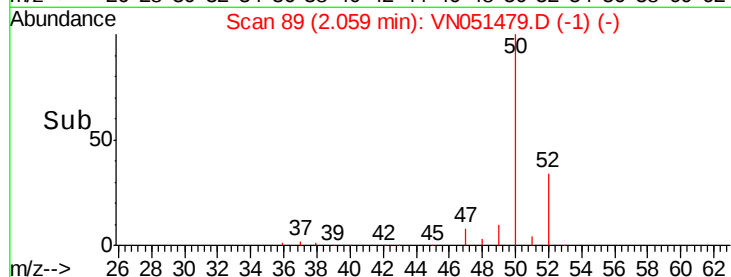
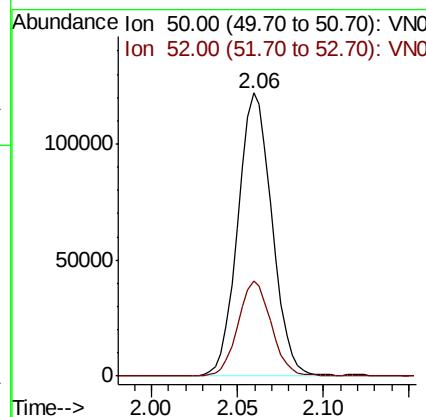
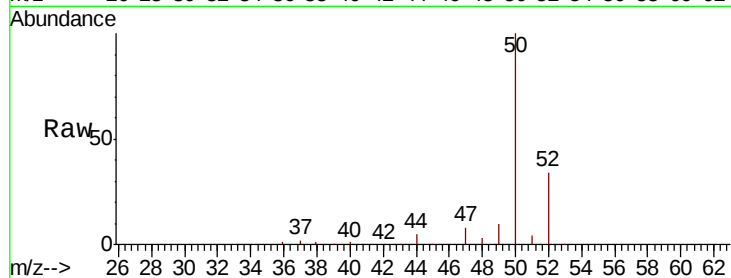
52 33.6 27.2 40.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.740 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051479.D

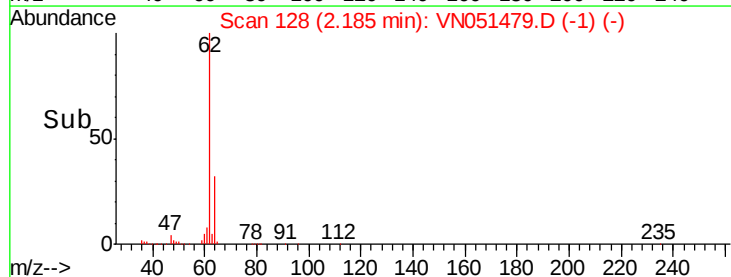
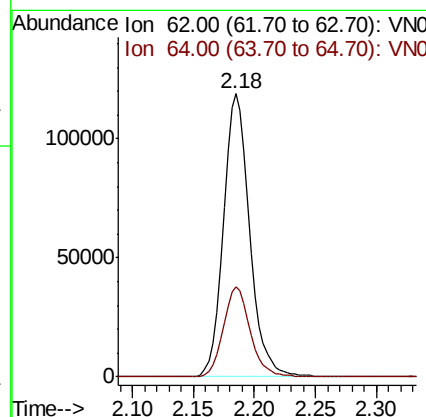
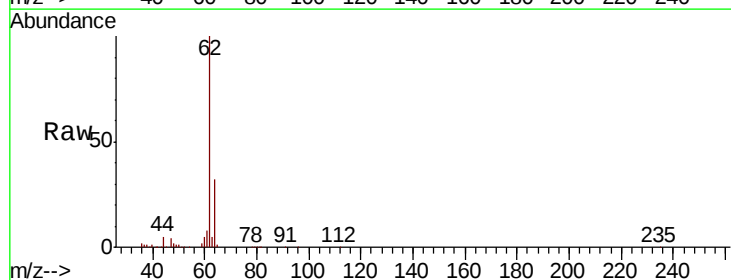
Acq: 25 Sep 2018 12:09

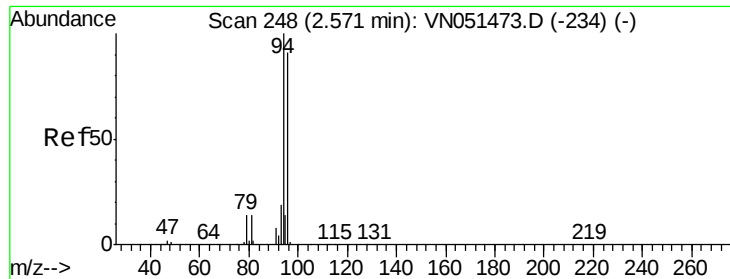
Tgt Ion: 62 Resp: 180188

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 21.597 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

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ClientSampleId :

ICVVN092518

Tot Ion: 94 Resp: 122636

Ion Ratio Lower Upper

94 100

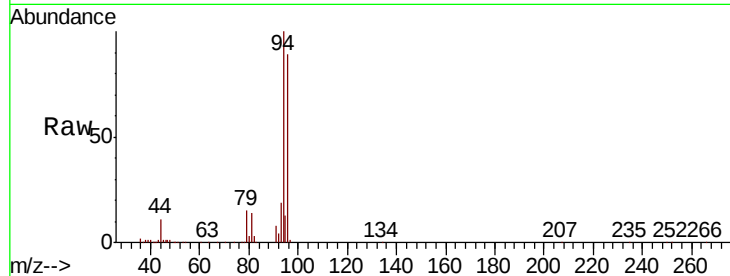
96 89.4 66.4 99.6

Manual Integrations

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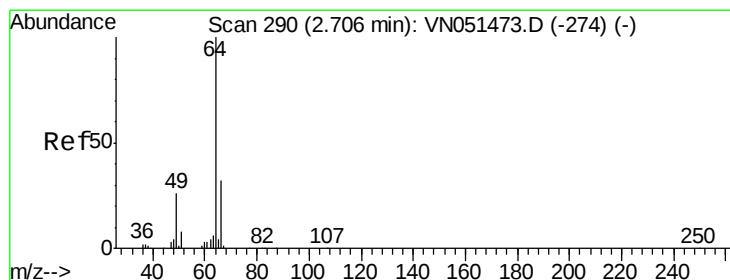
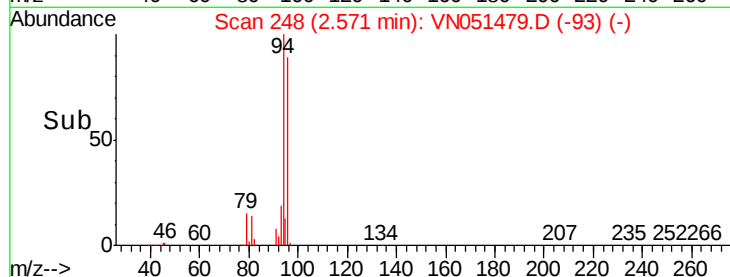
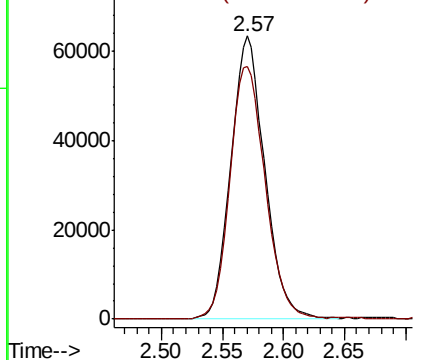
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.176 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051479.D

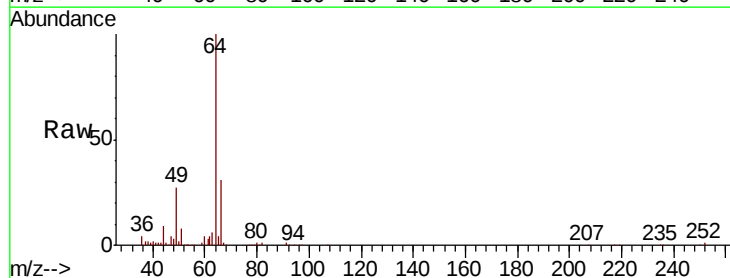
Acq: 25 Sep 2018 12:09

Tgt Ion: 64 Resp: 113402

Ion Ratio Lower Upper

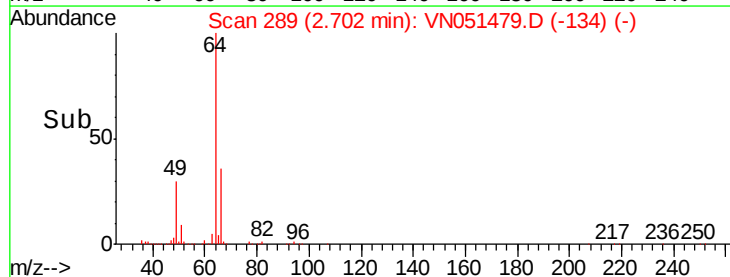
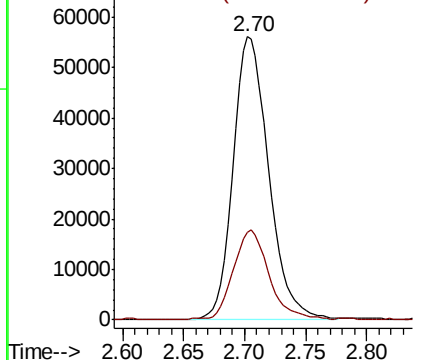
64 100

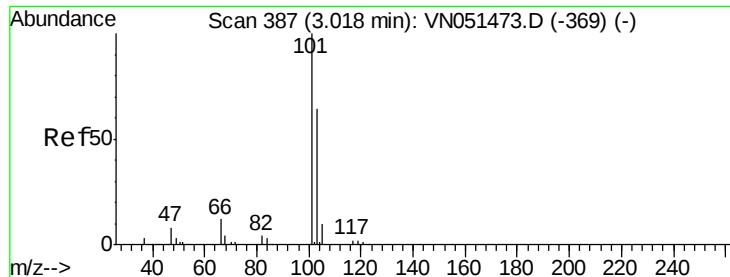
66 30.7 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

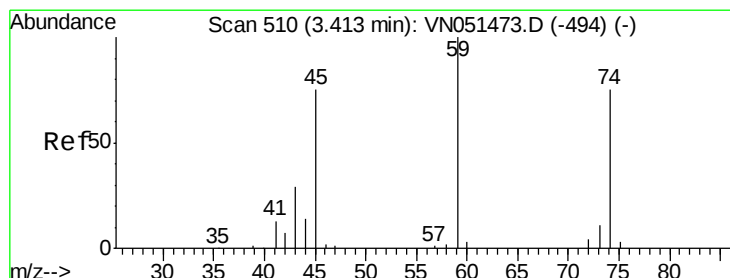
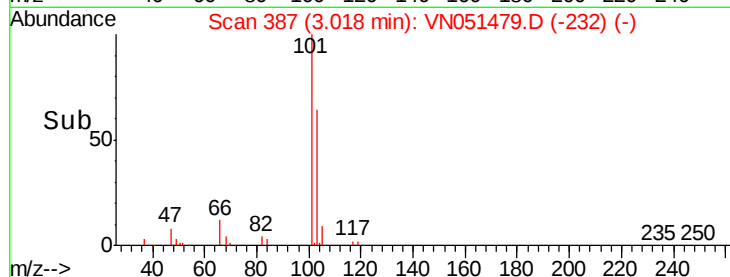
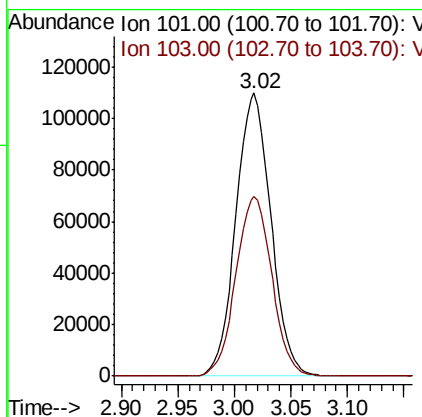
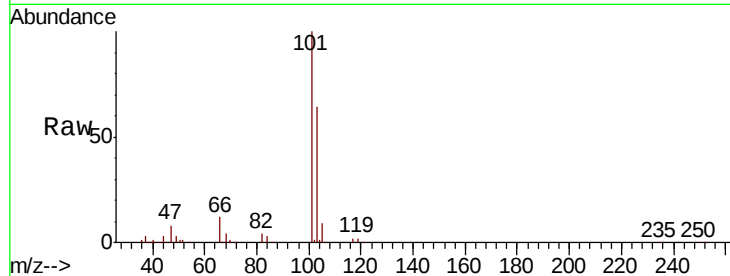
Trichlorofluoromethane
 Concen: 21.047 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	54.8	82.2

Manual Integrations
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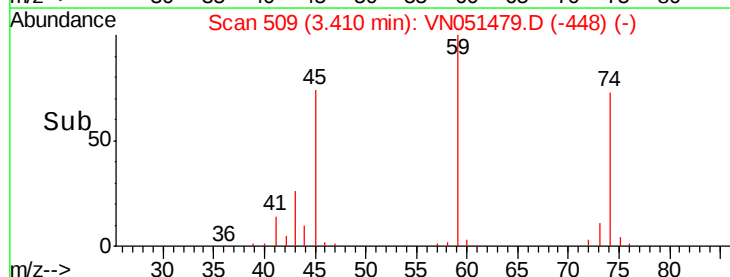
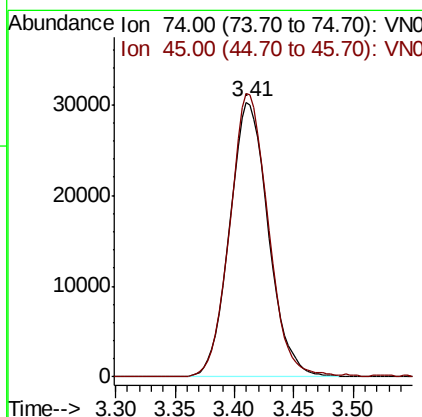
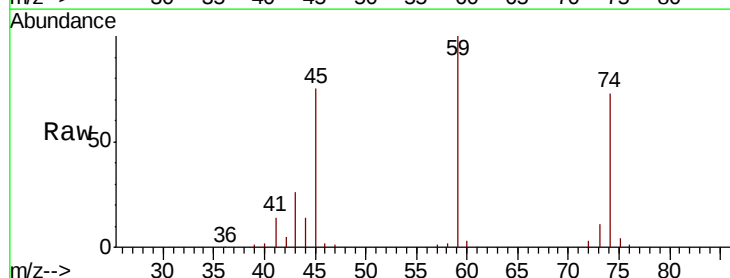
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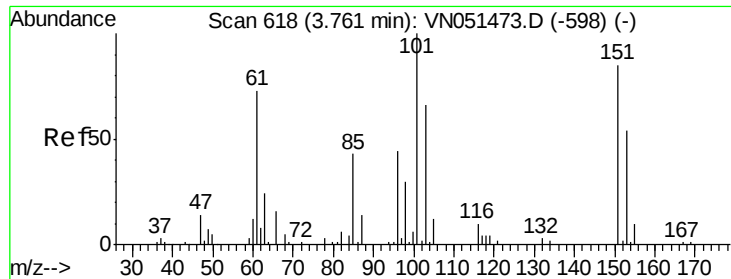


#8

Diethyl Ether
 Concen: 20.150 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	20.7	186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.836 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN051479.D

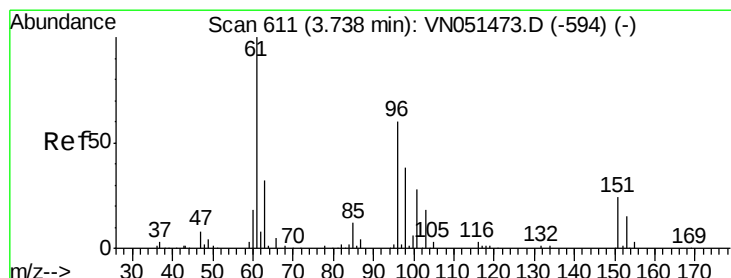
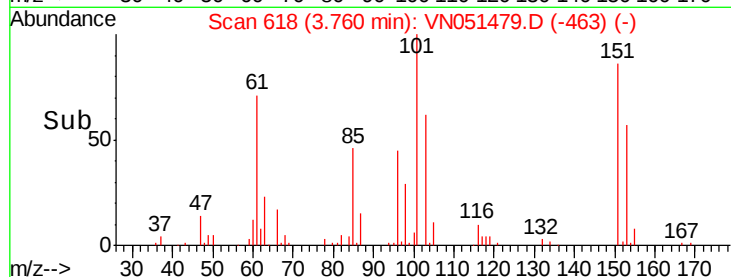
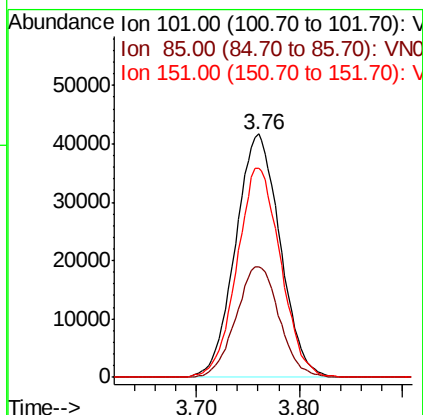
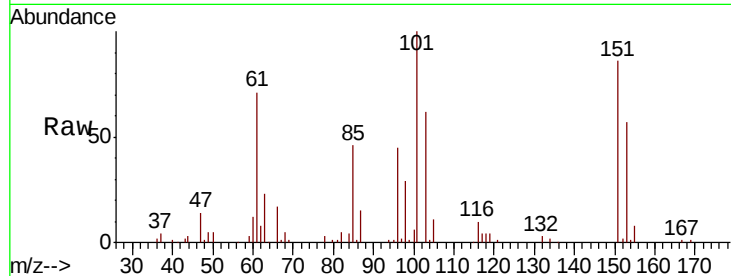
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	44.4	0.0	46.0
151	84.3	0.0	82.2#

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#10

1,1-Dichloroethene

Concen: 21.973 ug/l

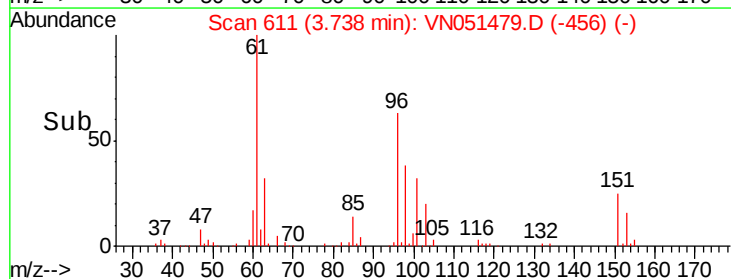
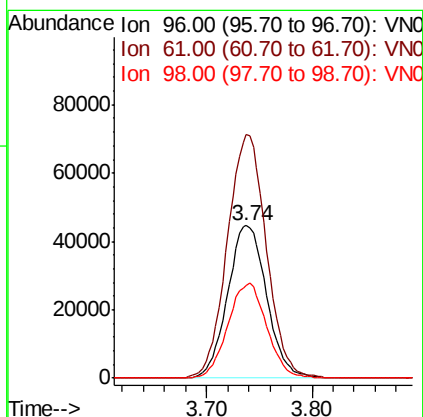
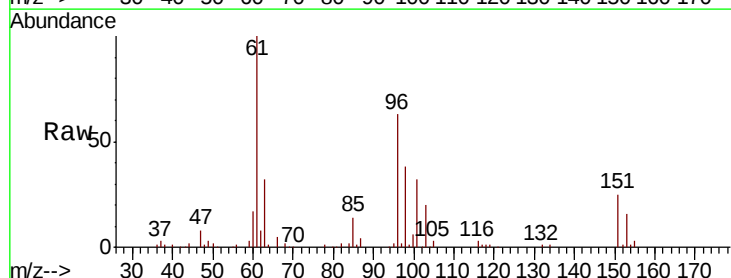
RT: 3.74 min Scan# 611

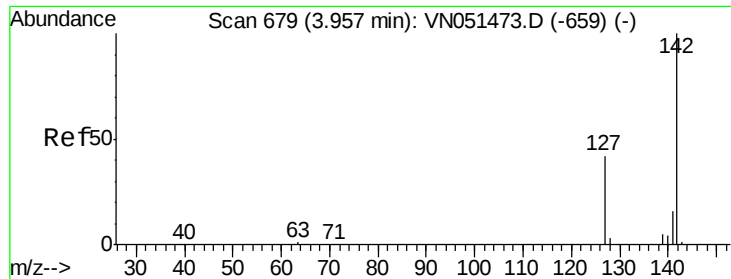
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	159.1	133.0	199.6
98	60.9	52.6	78.8





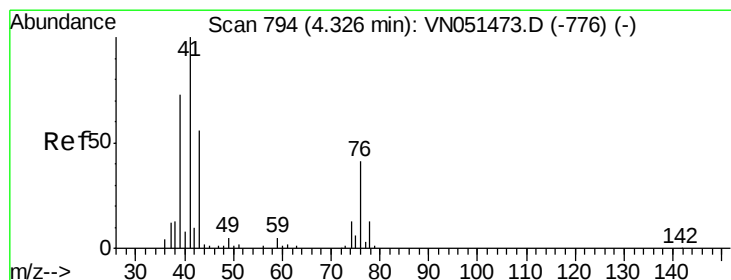
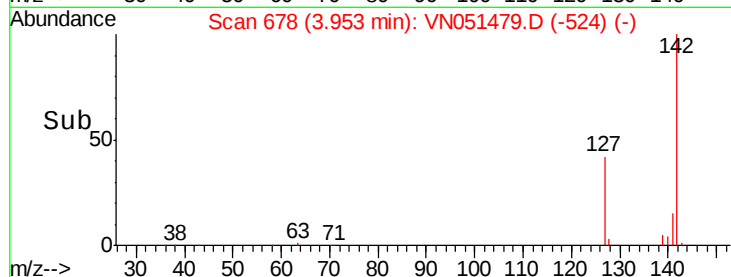
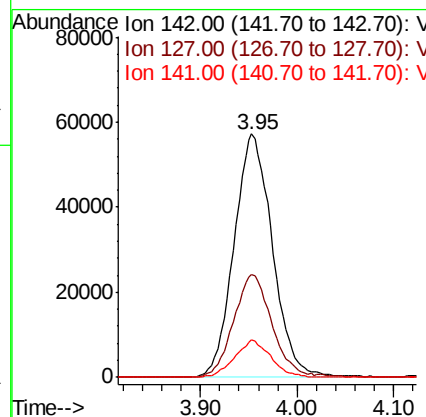
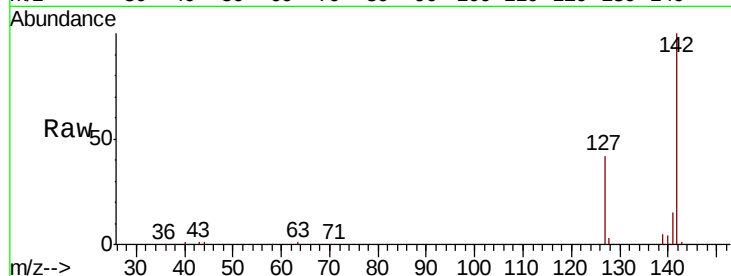
#11
Methvl Iodide
Concen: 20.502 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.9	19.7	59.0
141	15.3	6.3	18.9

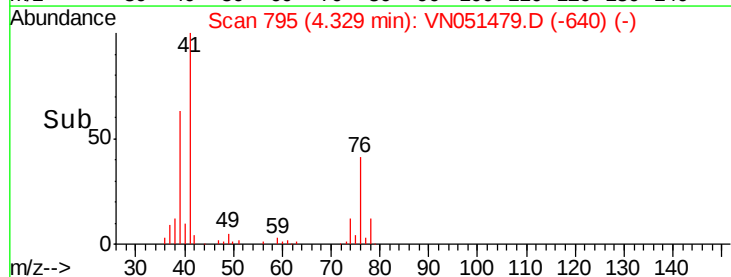
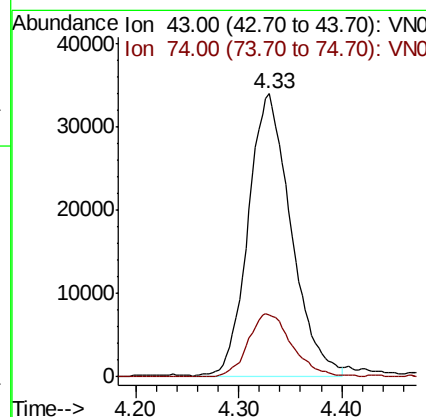
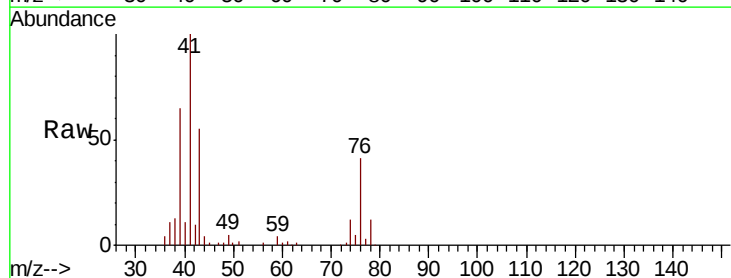
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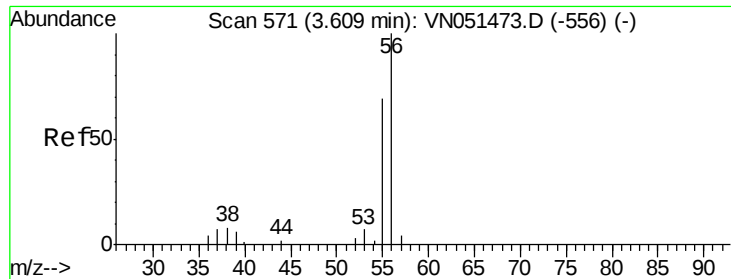
MMDadoda
10/1/2018 11:21:31 AM



#12
Methyl Acetate
Concen: 21.498 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	21.8	32.6#





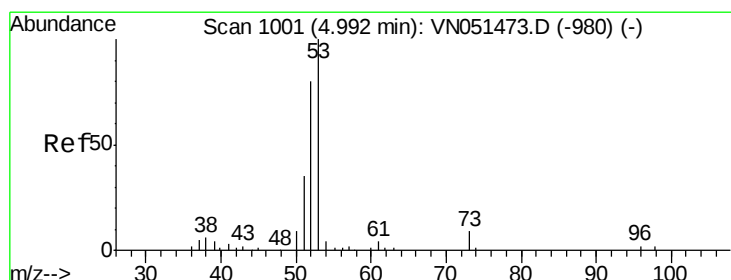
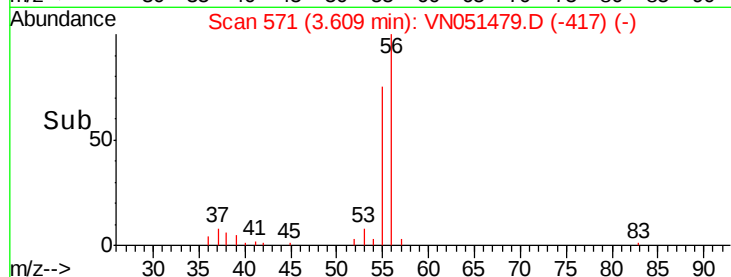
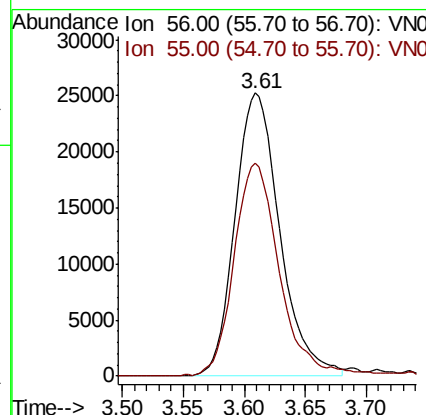
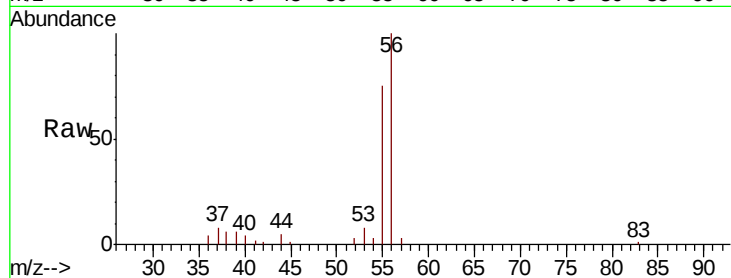
#13
Acrolein
Concen: 105.460 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	56	55	Resp	Lower	Upper
64474	100	74.2		64.0	96.0

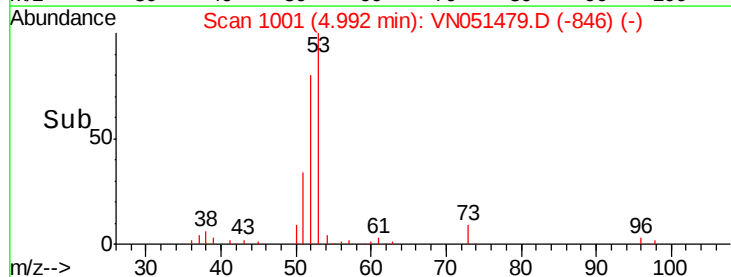
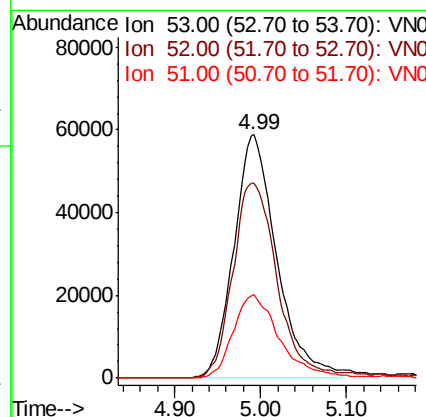
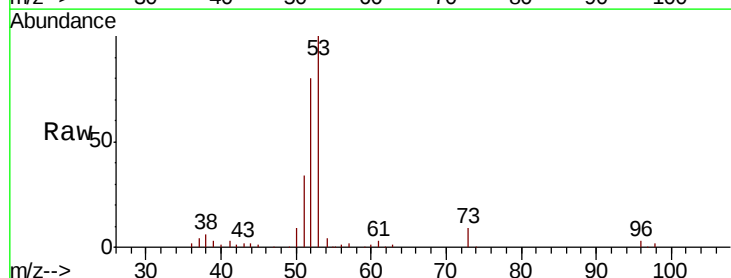
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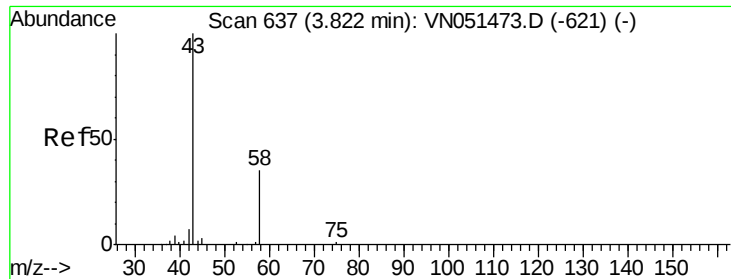
MMDadoda
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#14
Acrylonitrile
Concen: 109.297 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	53	52	51	Resp	Lower	Upper
203556	100	81.6	36.9		18.3	54.8#
					19.7	59.1





#15

Acetone

Concen: 105.872 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

Tot Ion: 58 Resp: 48563

Ion Ratio Lower Upper

58 100

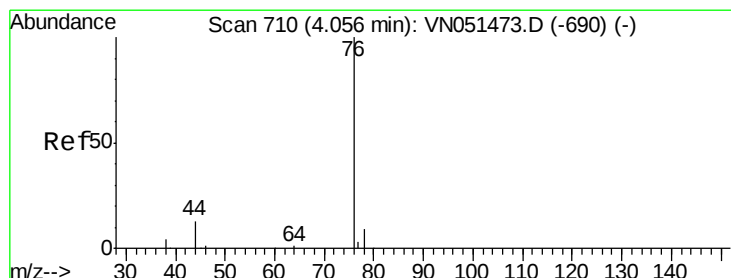
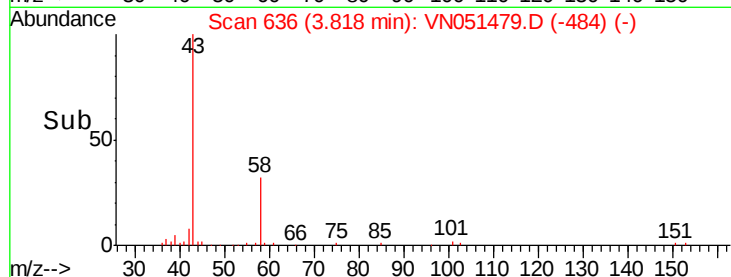
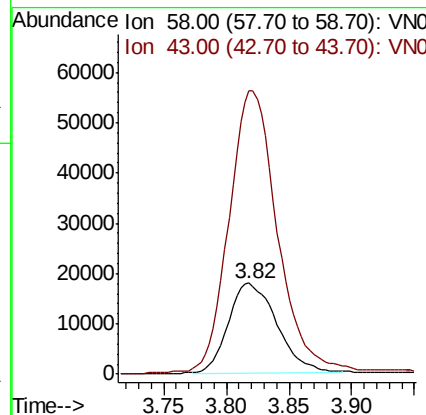
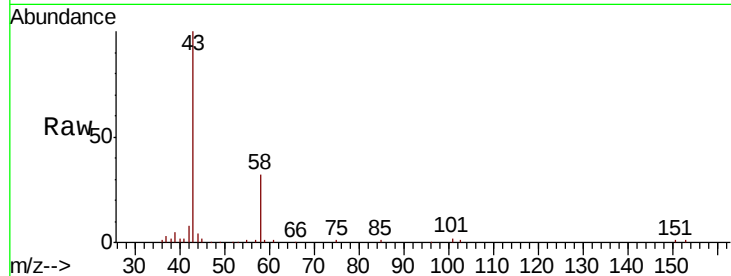
43 311.3 232.2 348.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.741 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051479.D

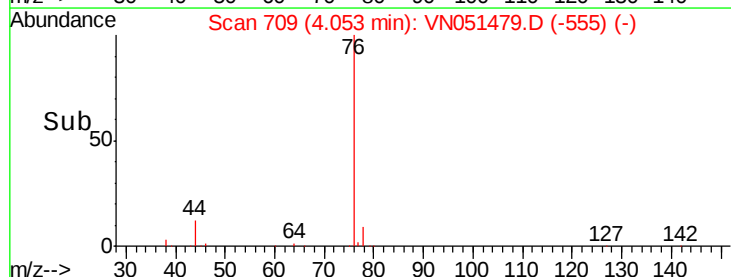
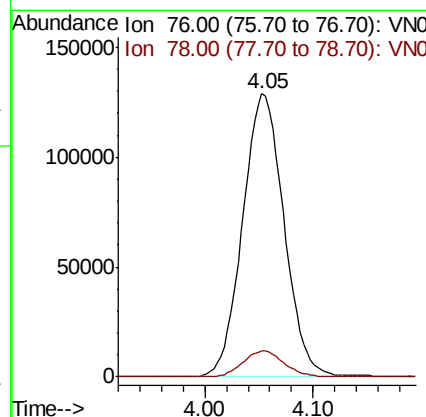
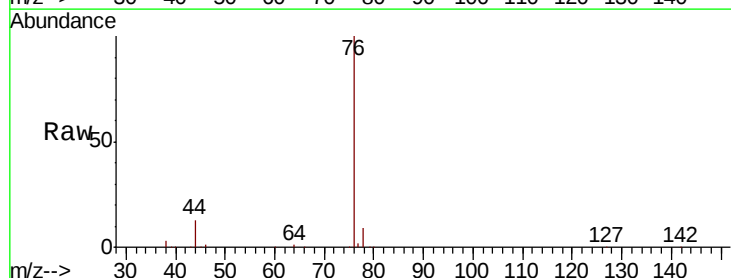
Acq: 25 Sep 2018 12:09

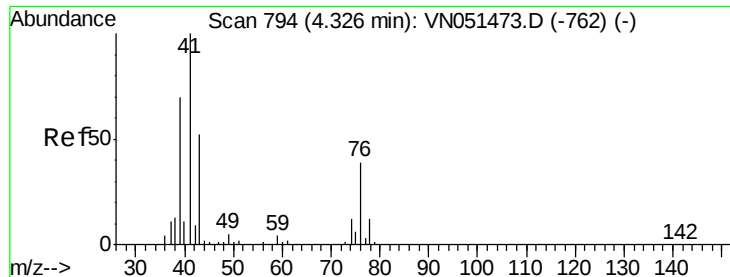
Tgt Ion: 76 Resp: 343177

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1





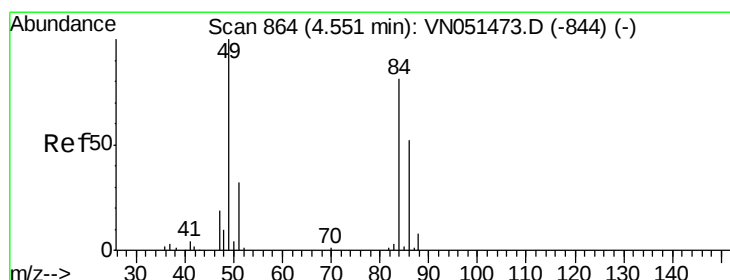
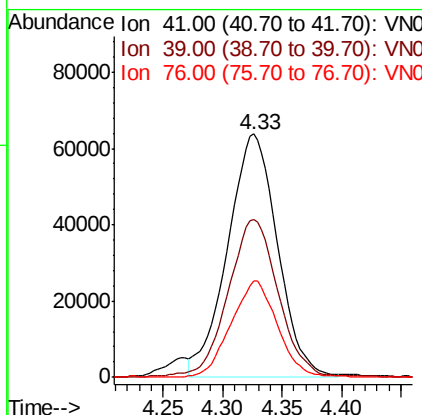
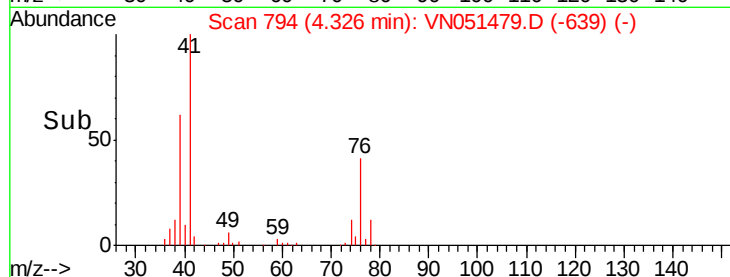
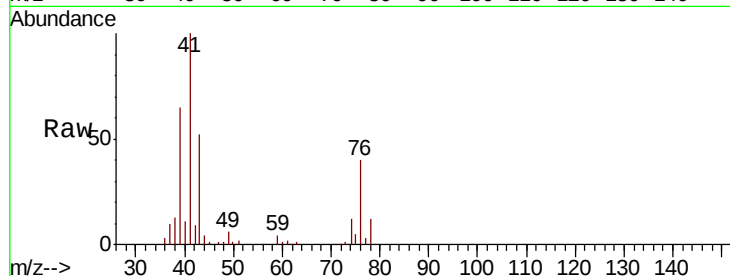
#17
Allvl chloride
Concen: 20.169 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion:	41	Resp:	185724
Ion	Ratio	Lower	Upper
41	100		
39	64.5	32.6	97.8
76	39.7	20.2	60.5

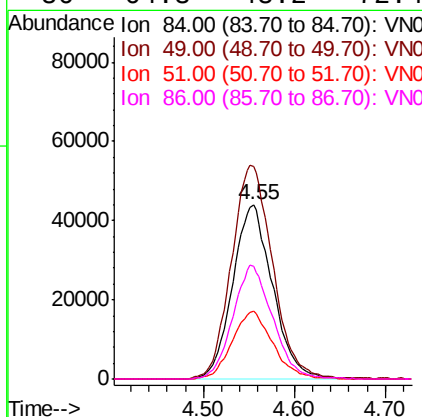
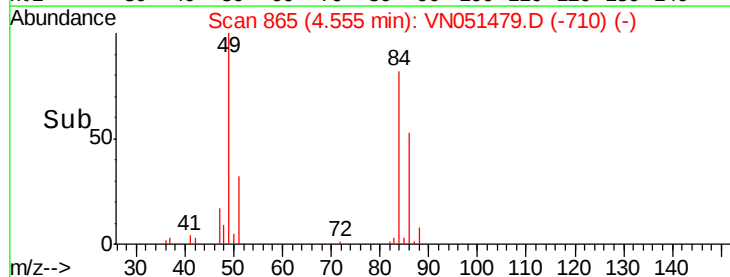
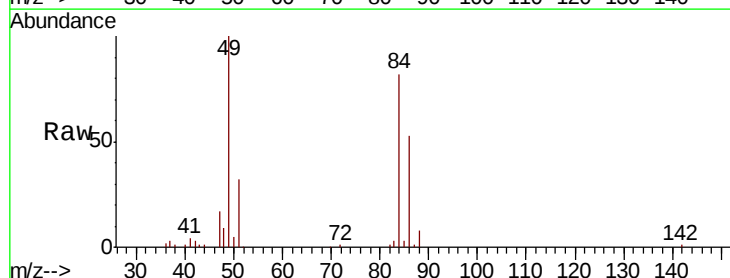
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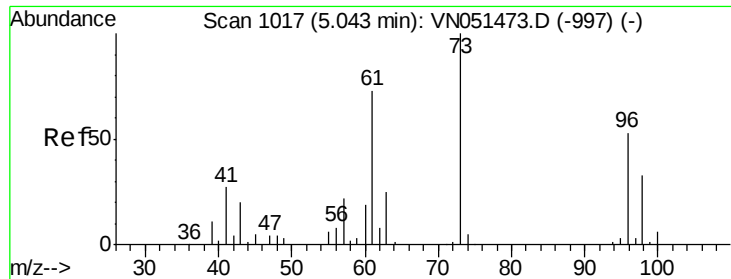
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#18
Methylene Chloride
Concen: 21.564 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion:	84	Resp:	134336
Ion	Ratio	Lower	Upper
84	100		
49	121.3	91.6	137.4
51	38.9	29.8	44.6
86	64.3	48.2	72.4





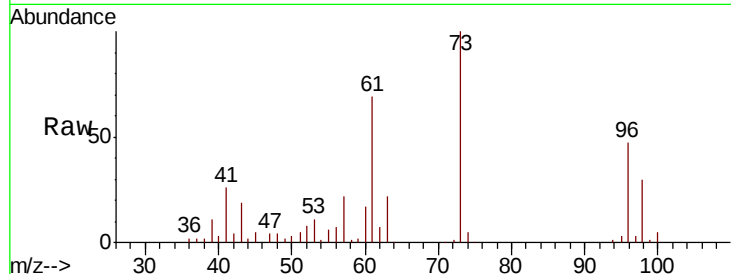
#19
trans-1,2-Dichloroethene
Concen: 21.841 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	112.3	168.5
98	64.4	47.1	70.7

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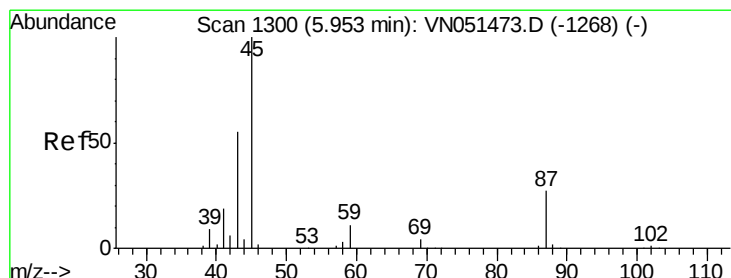
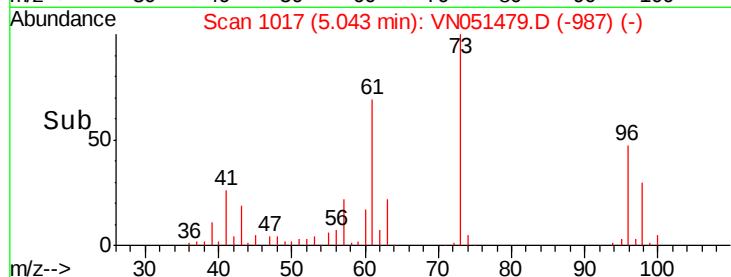
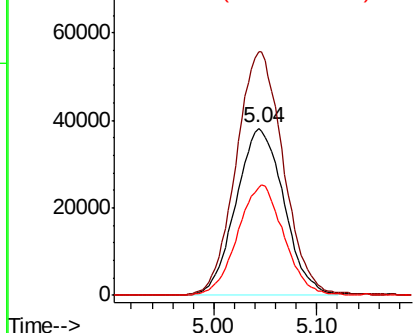


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 22.704 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	62.1	93.1#
87	27.1	19.9	29.9
59	11.1	9.8	14.6

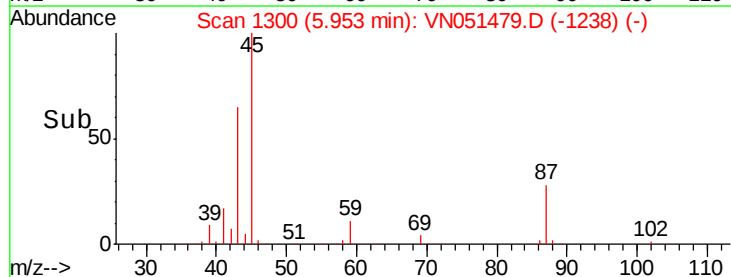
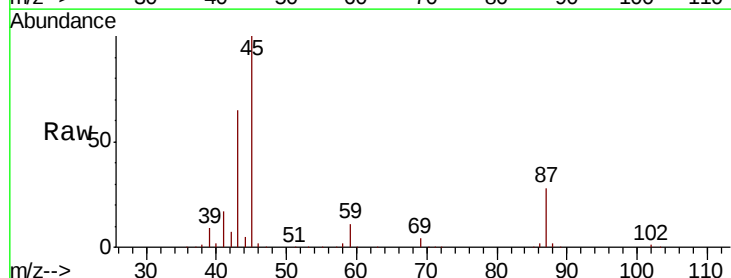
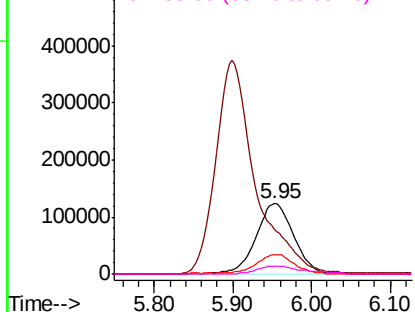
Abundance

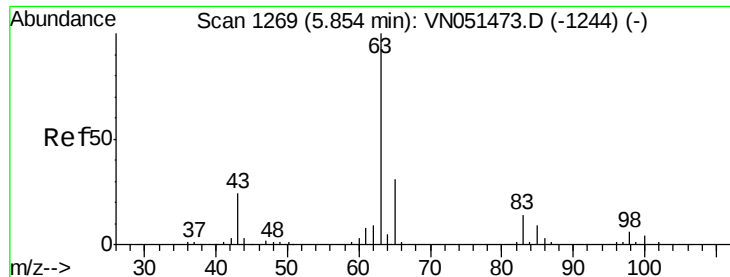
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





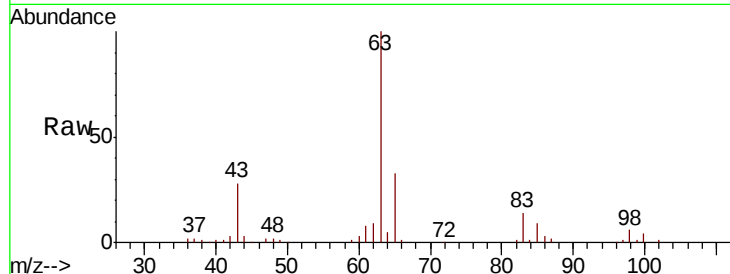
#21
 1,1-Dichloroethane
 Concen: 21.942 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092518

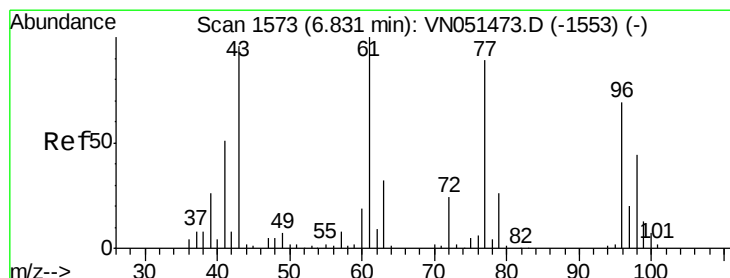
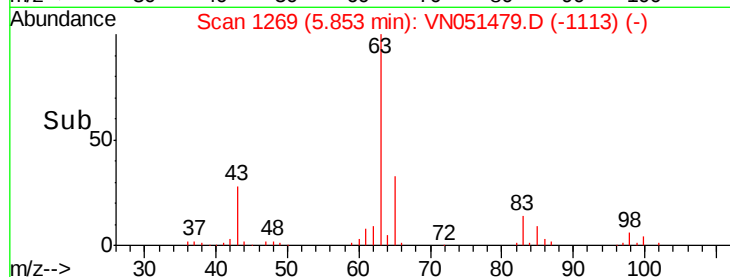
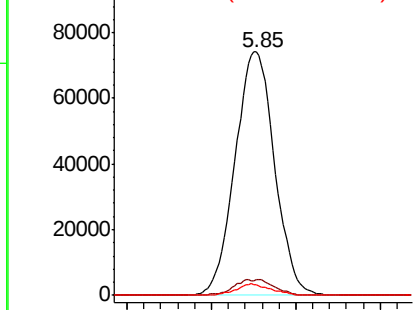
Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.5	4.1	12.3	
100	4.3	1.6	4.7	

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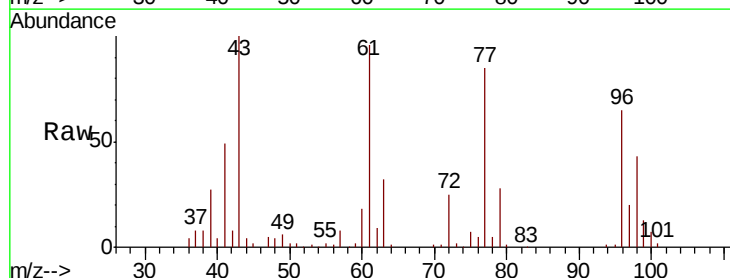


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

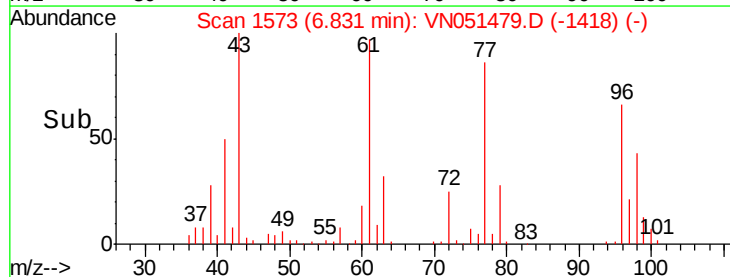
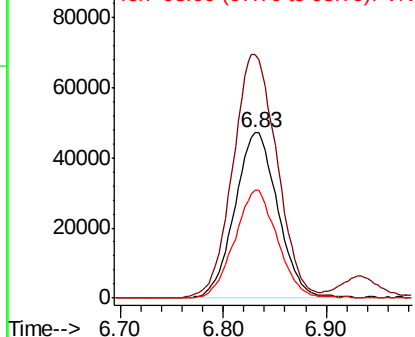


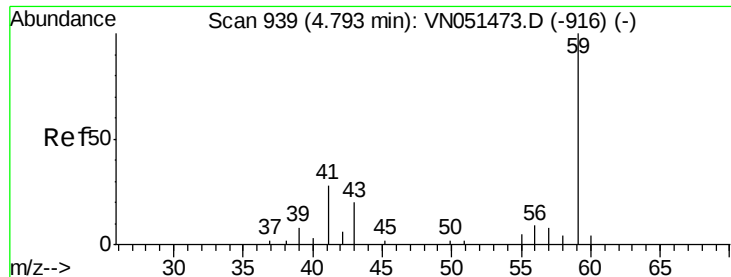
#22
 cis-1,2-Dichloroethene
 Concen: 21.624 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.7	124.5	186.7	
98	65.0	51.9	77.9	



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

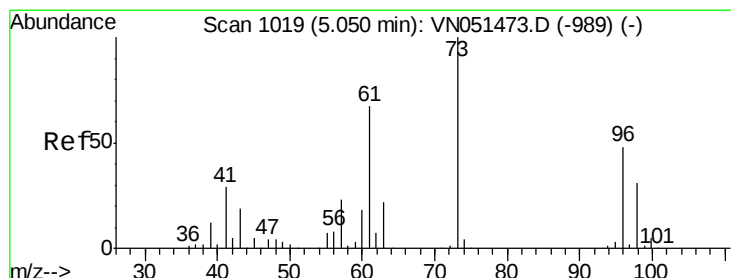
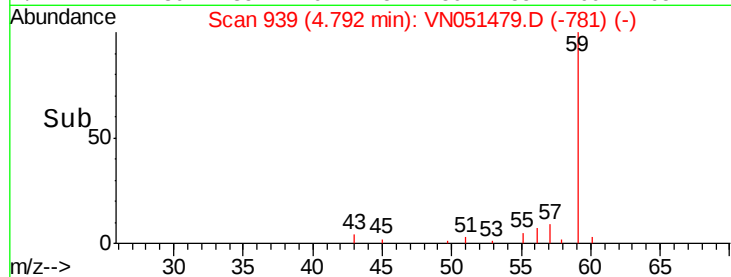
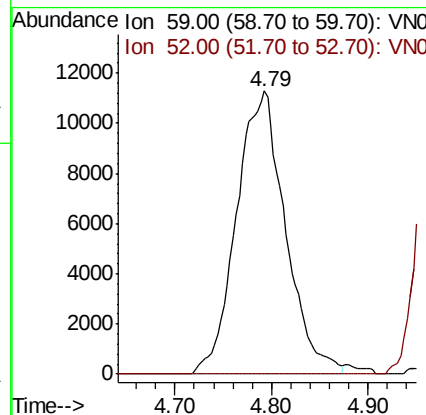
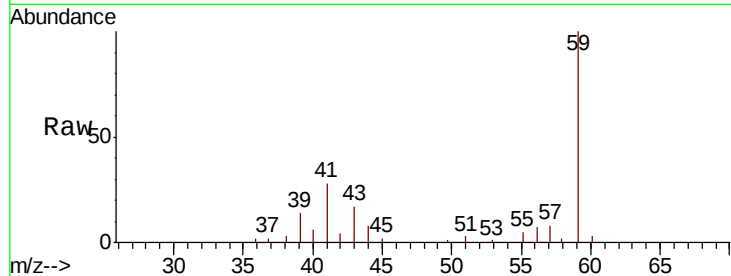
tert-Butyl Alcohol
 Concen: 113.213 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092518

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.0	0.0

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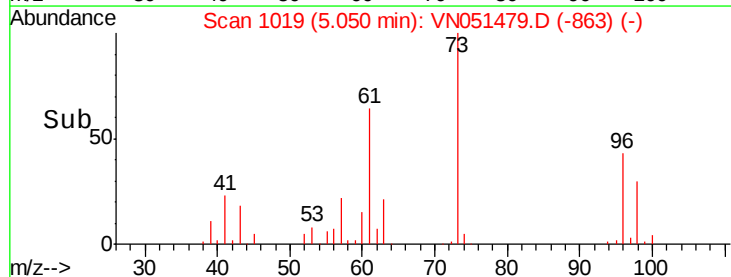
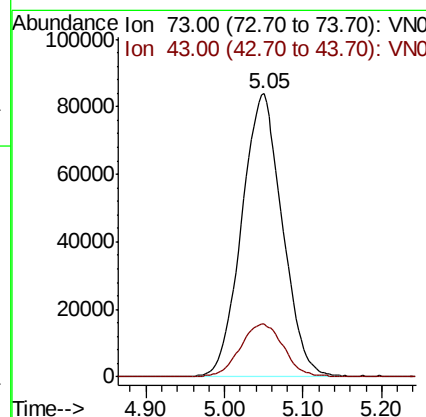
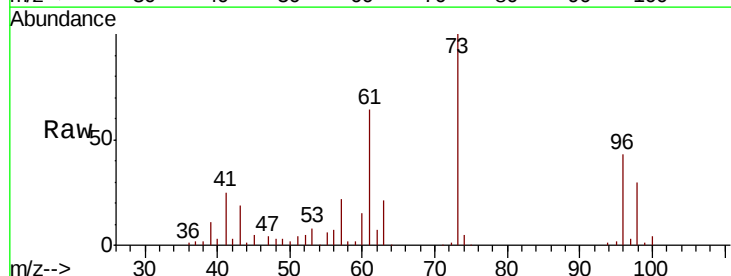
MMDadoda
 10/1/2018 11:21:31 AM

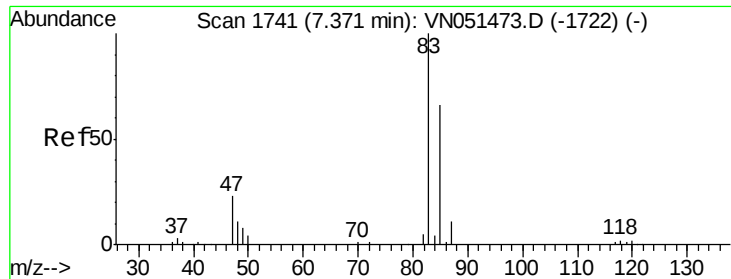


#24

Methyl tert-Butyl Ether
 Concen: 21.444 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	19.2	5.4	8.0#





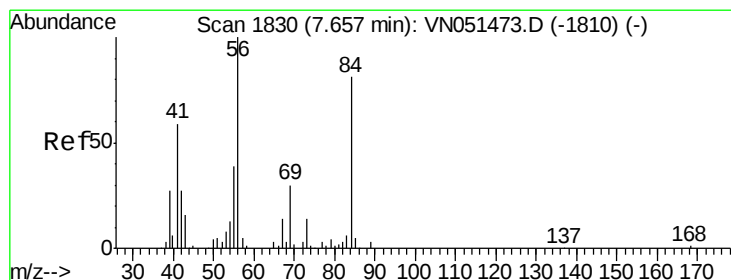
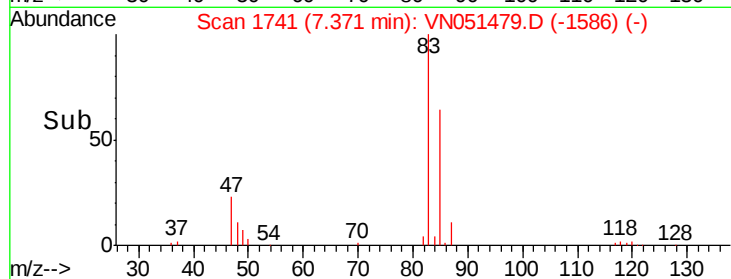
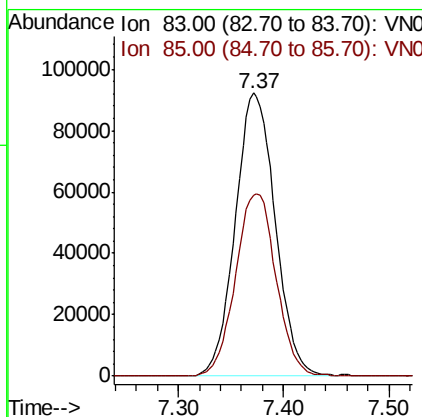
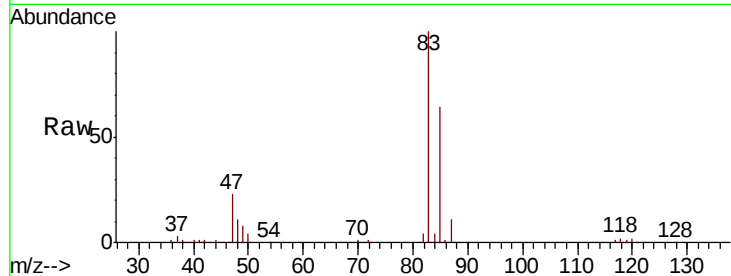
#25
Chloroform
Concen: 22.082 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	83	Resp	242577
Ion Ratio	100	Lower	Upper
83	100		
85	63.9	54.6	82.0

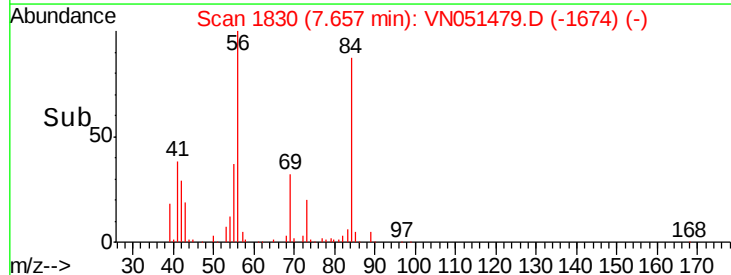
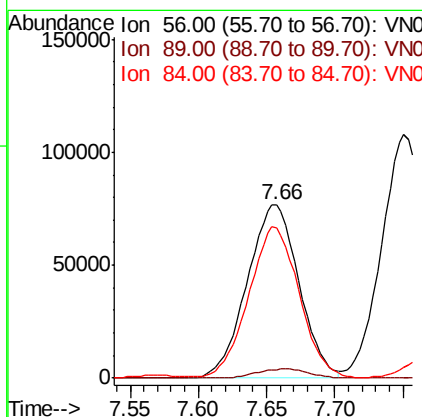
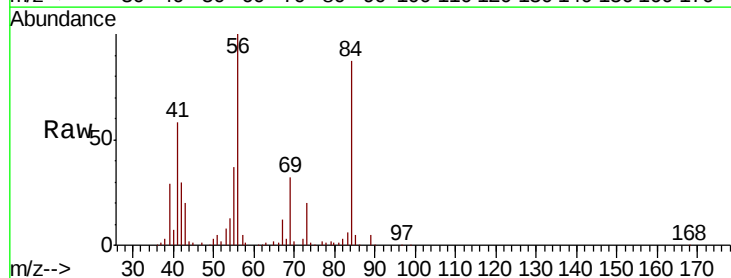
Manual Integrations
APPROVED

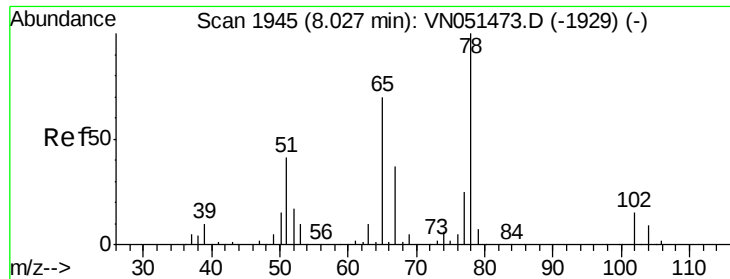
MMDadoda
10/1/2018 11:21:31 AM



#26
Cyclohexane
Concen: 21.540 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	56	Resp	201973
Ion Ratio	100	Lower	Upper
56	100		
89	5.4	1.5	2.3#
84	84.4	64.2	96.4





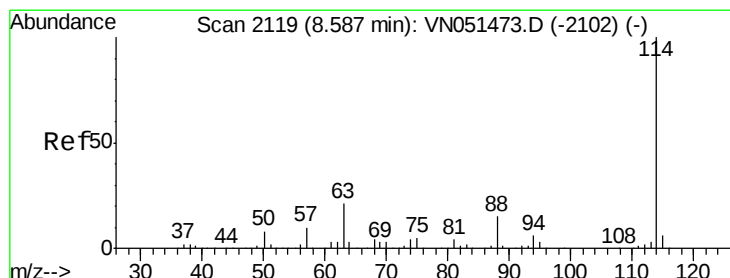
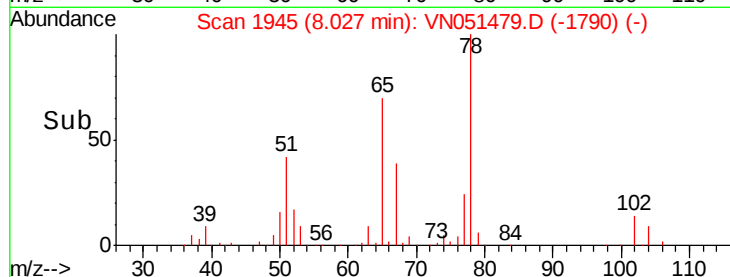
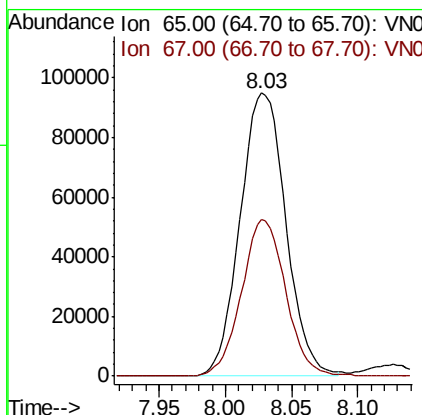
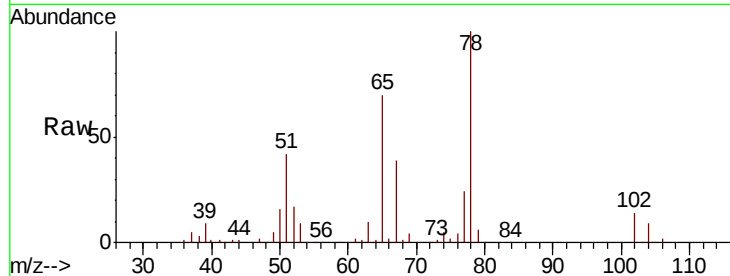
#27
 1,2-Dichloroethane-d4
 Concen: 29.902 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227554		
67	53.3		41.8	62.8

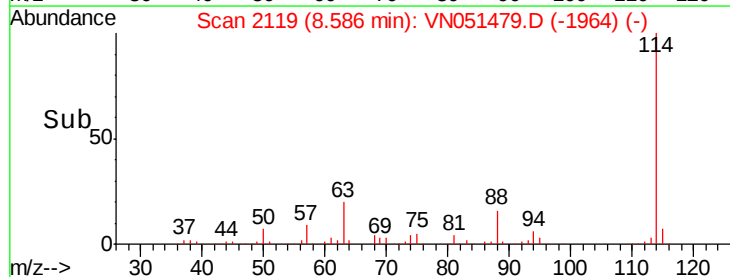
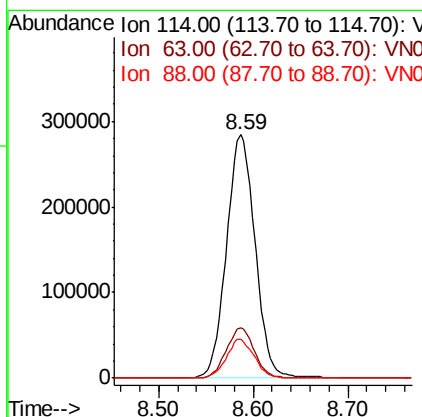
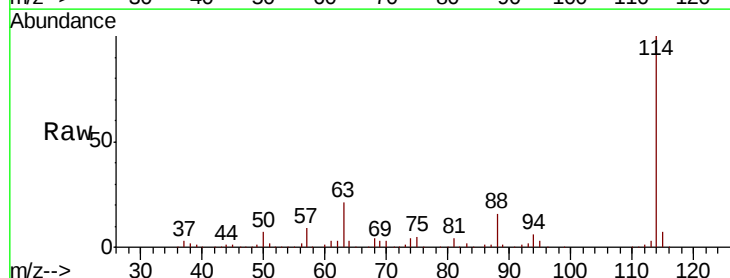
Manual Integrations
 APPROVED

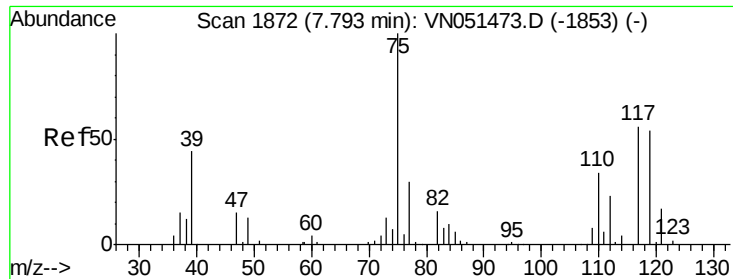
MMDadoda
 10/1/2018 11:21:31 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	598702		
63	20.3		16.2	24.2
88	15.4		12.2	18.4





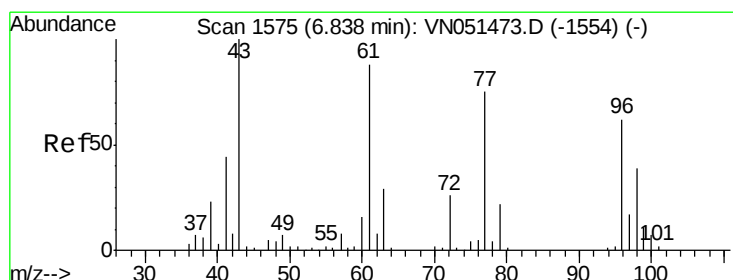
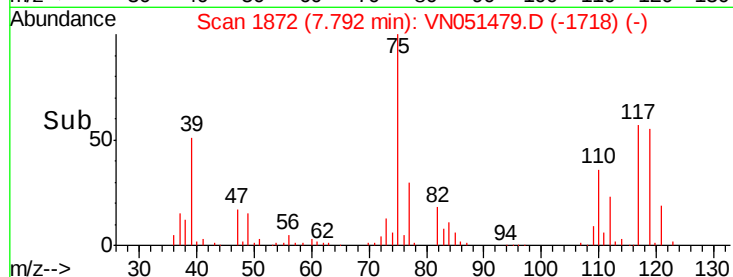
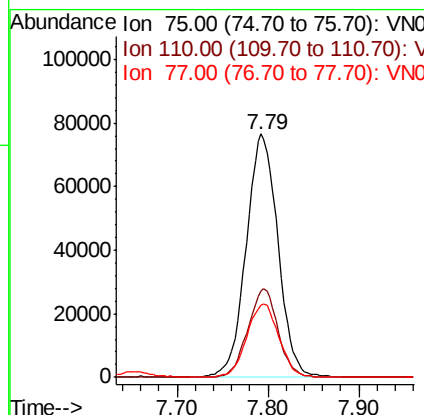
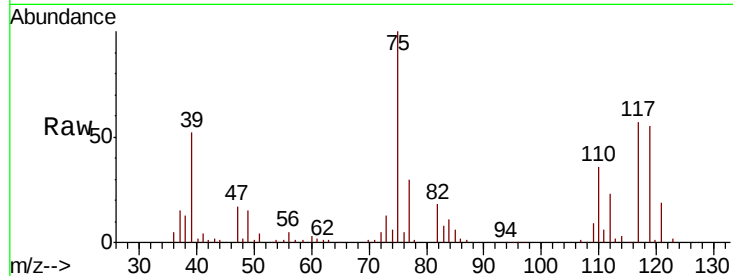
#29
 1,1-Dichloropropene
 Concen: 22.049 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	34.6	0.0	70.8
77	30.2	0.0	61.6

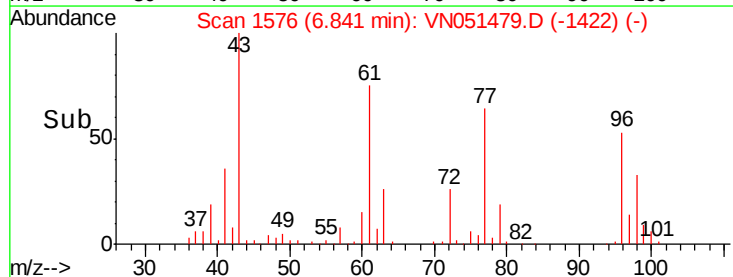
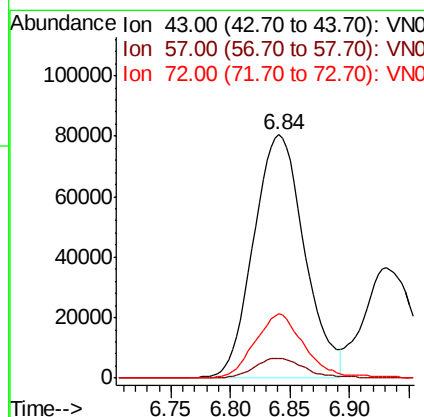
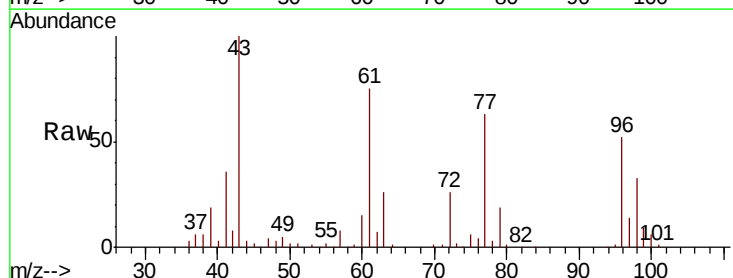
Manual Integrations
 APPROVED

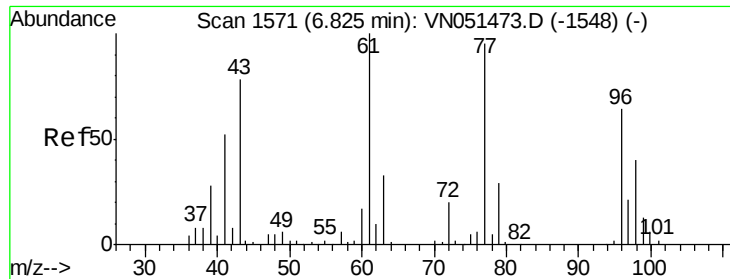
MMDadoda
 10/1/2018 11:21:31 AM



#30
 2-Butanone
 Concen: 109.452 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	4.5	6.7#
72	25.4	21.5	32.3





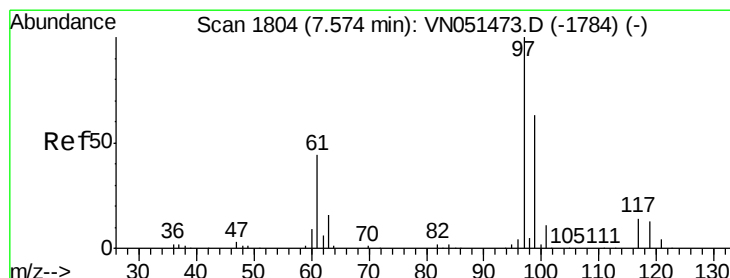
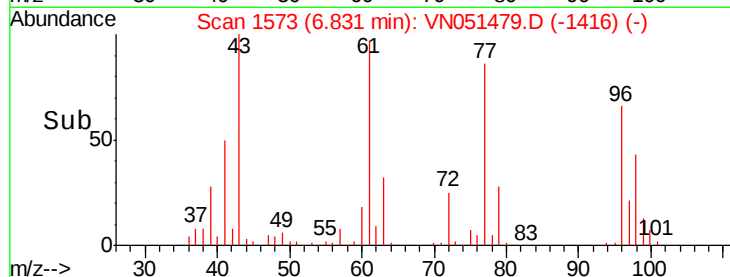
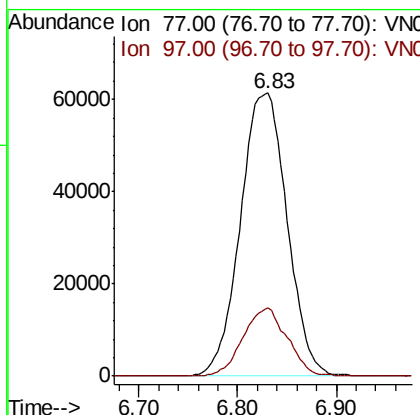
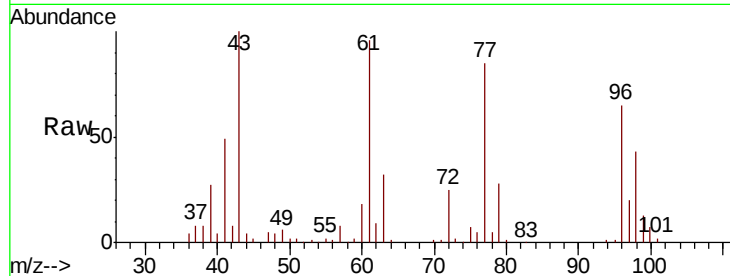
#31
 2,2-Dichloropropane
 Concen: 22.337 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion: 77 Resp: 200848
 Ion Ratio Lower Upper
 77 100
 97 22.8 12.0 18.0#

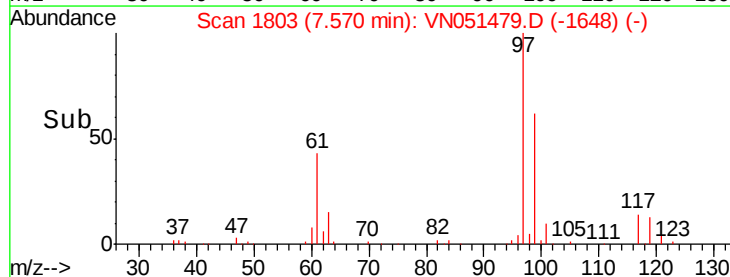
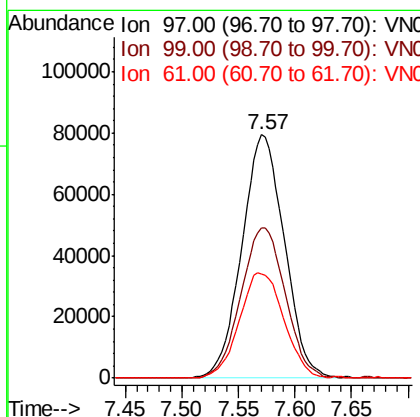
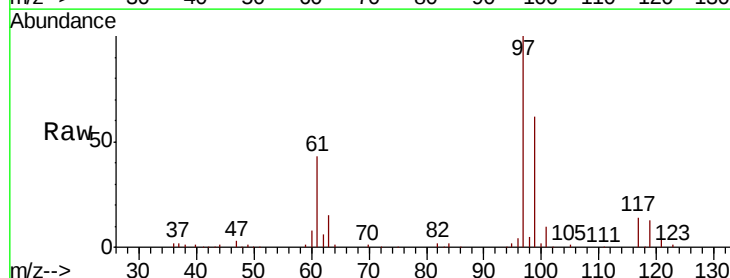
Manual Integrations
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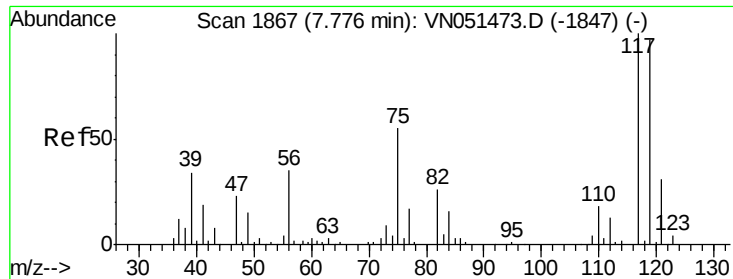
MMDadoda
 10/1/2018 11:21:31 AM



#32
 1,1,1-Trichloroethane
 Concen: 21.571 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion: 97 Resp: 207595
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.6 77.4
 61 45.4 37.4 56.0





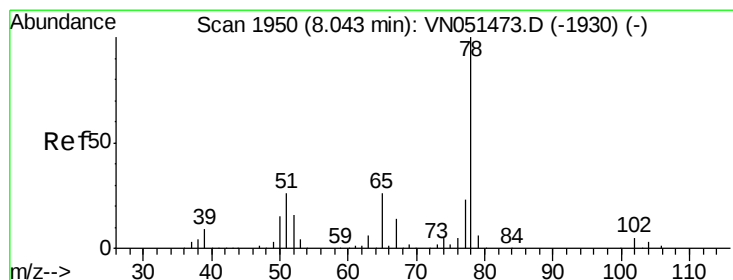
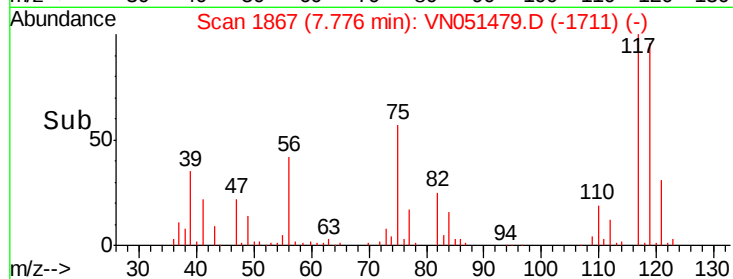
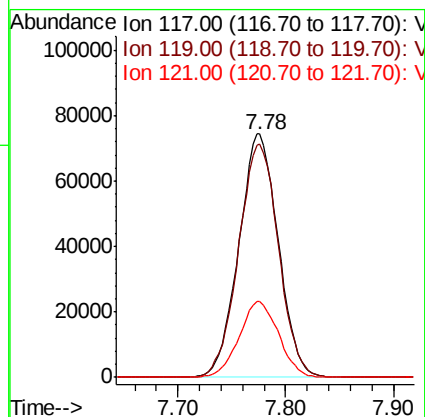
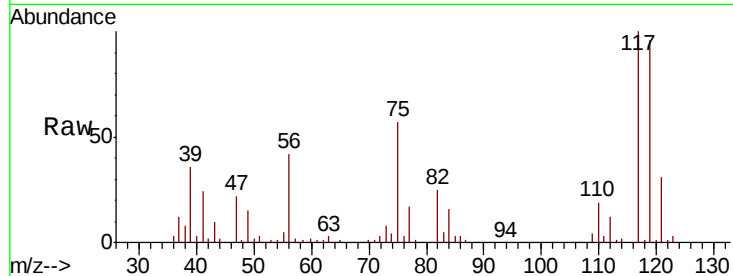
#33
Carbon Tetrachloride
Concen: 21.346 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.9	85.1	127.7
121	31.3	24.2	36.2

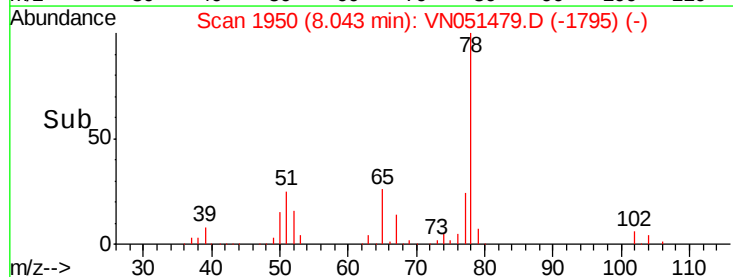
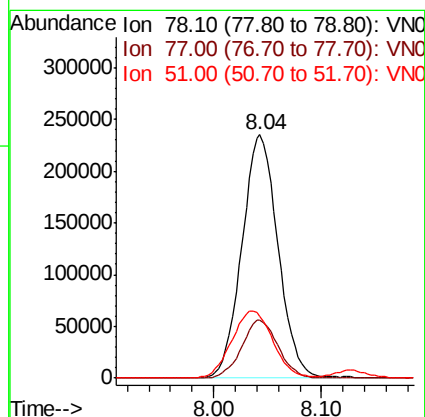
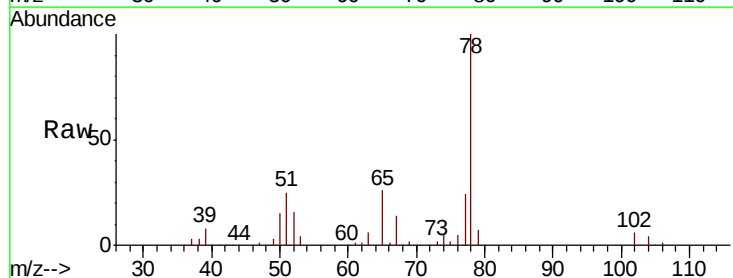
Manual Integrations
APPROVED

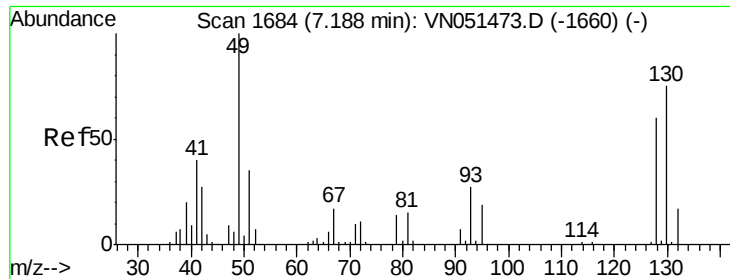
MMDadoda
10/1/2018 11:21:31 AM



#34
Benzene
Concen: 21.867 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2
51	25.2	46.2	69.4#





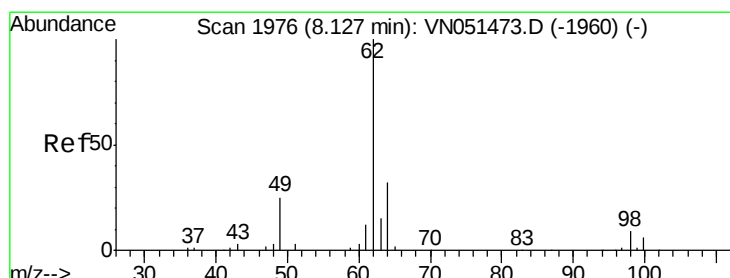
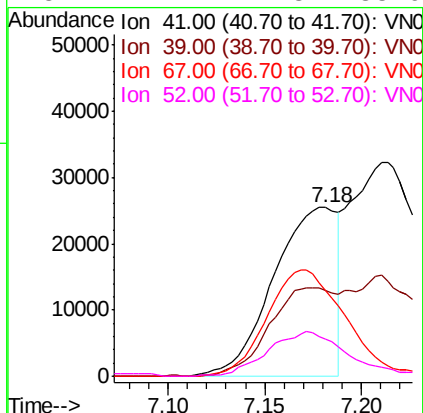
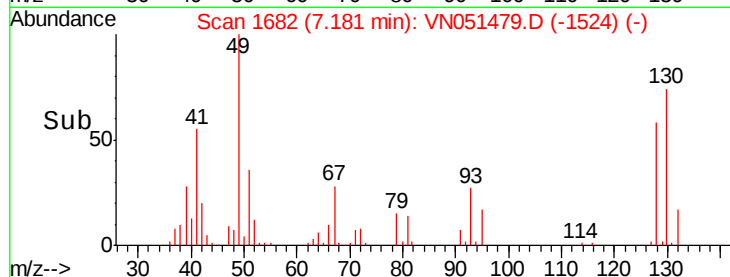
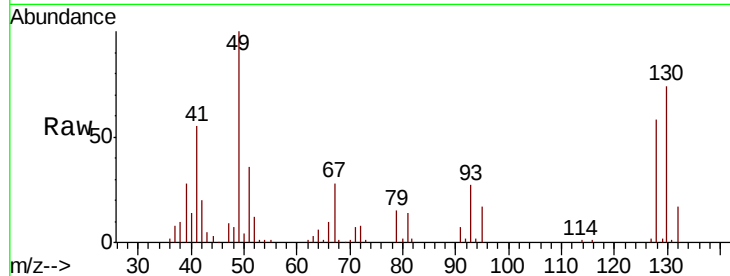
#35
Methacrylonitrile
Concen: 18.599 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion:	41	Resp:	58362
Ion Ratio	Lower	Upper	
41	100		
39	51.1	22.6	67.7
67	50.6	28.9	86.8
52	22.2	11.3	33.9

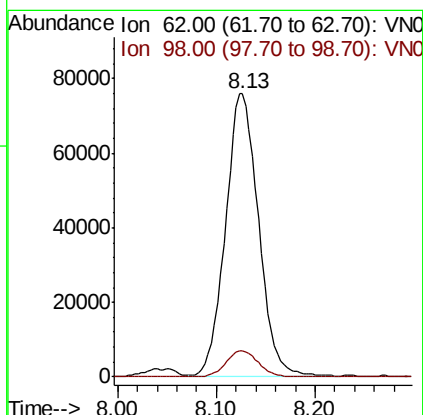
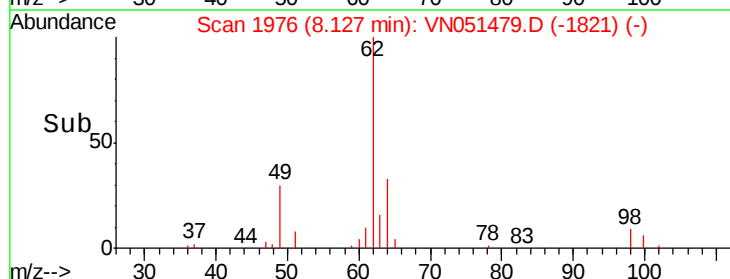
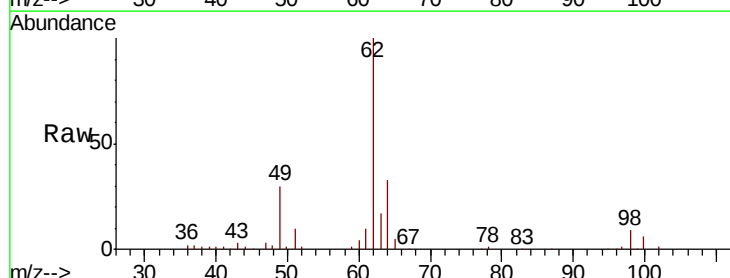
Manual Integrations
APPROVED

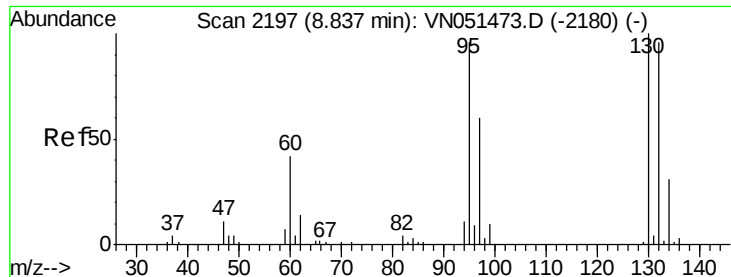
MMDadoda
10/1/2018 11:21:31 AM



#36
1,2-Dichloroethane
Concen: 21.620 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion:	62	Resp:	176193
Ion Ratio	Lower	Upper	
62	100		
98	9.1	6.9	10.3





#37

Trichloroethene

Concen: 21.539 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

Tot Ion:130 Resp: 142878

Ion Ratio Lower Upper

130 100

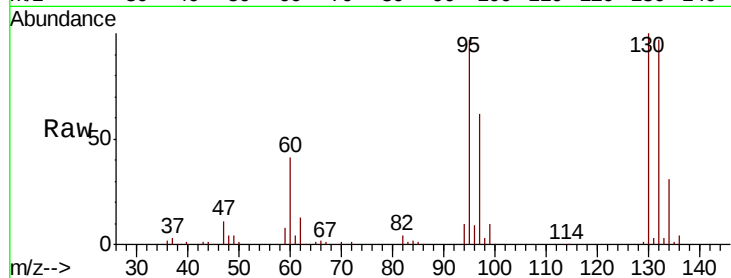
95 96.8 76.4 114.6

Manual Integrations

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10/1/2018 11:21:31 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

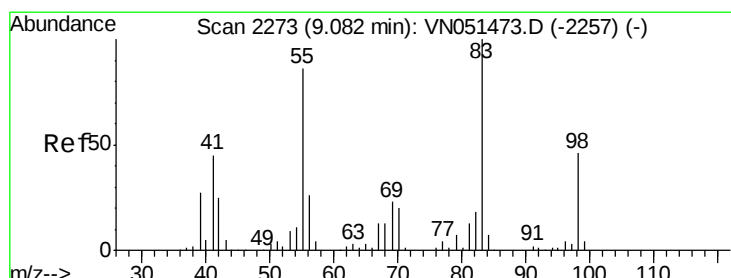
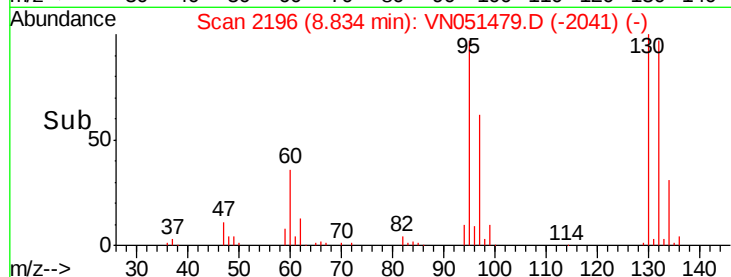
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 21.184 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

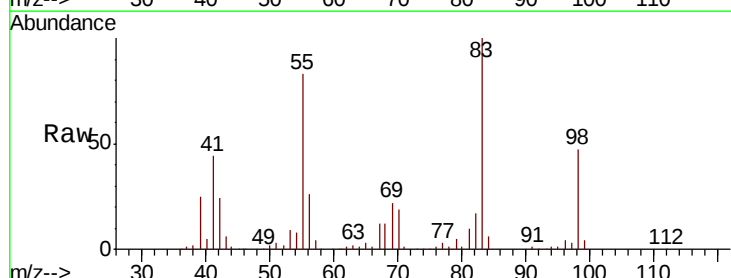
Tgt Ion: 83 Resp: 207014

Ion Ratio Lower Upper

83 100

55 82.4 43.0 129.2

98 46.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

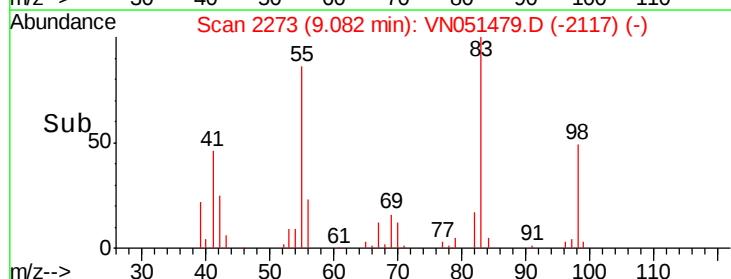
9.08

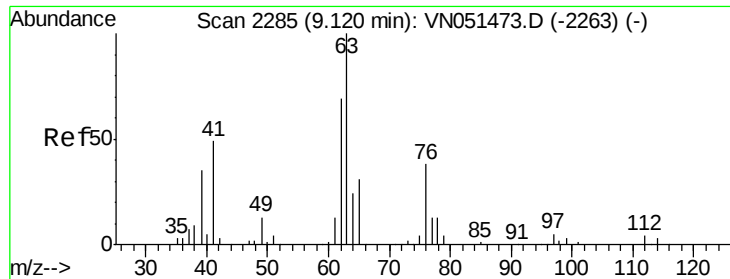
100000

50000

0

Time-->





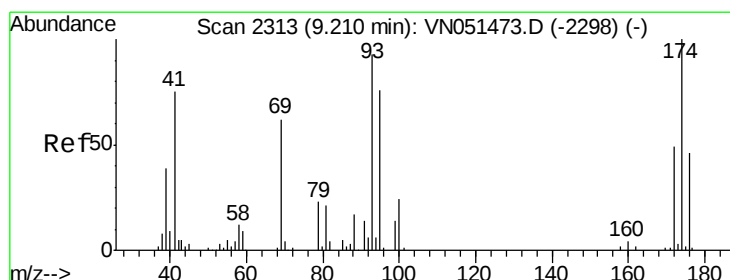
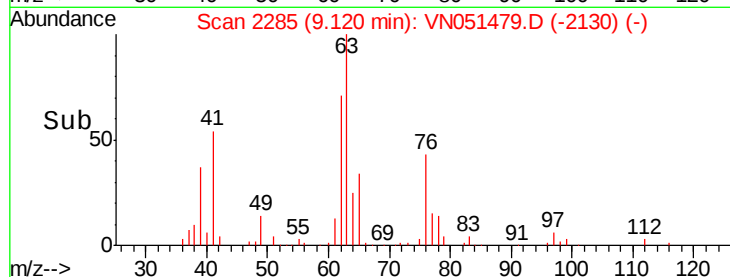
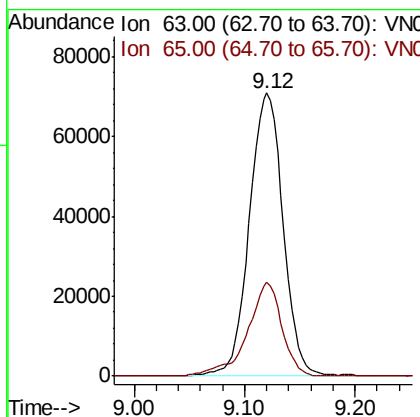
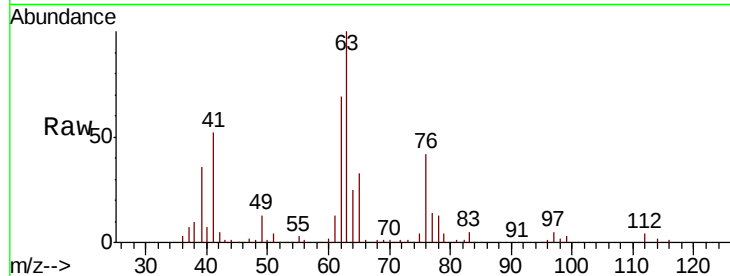
#39
 1,2-Dichloropropane
 Concen: 22.073 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion	63	Resp	150280
Ion Ratio	Lower	Upper	
63	100		
65	33.1	23.2	34.8

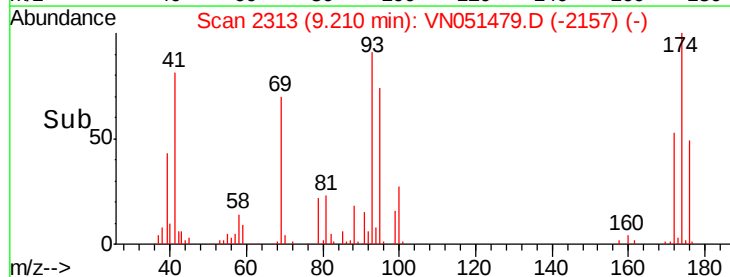
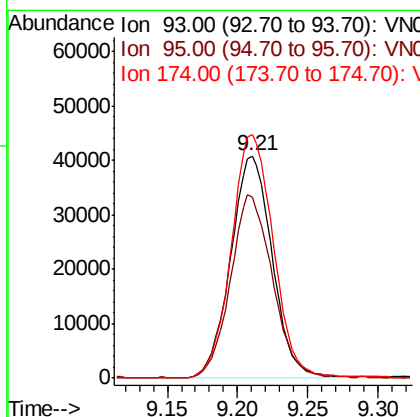
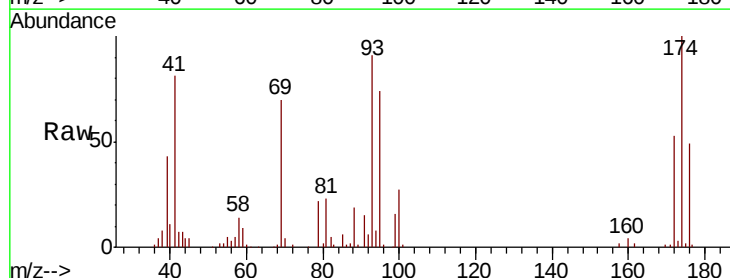
Manual Integrations
 APPROVED

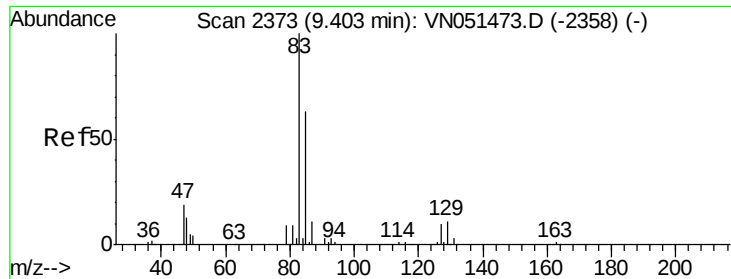
MMDadoda
 10/1/2018 11:21:31 AM



#40
 Dibromomethane
 Concen: 21.724 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	93	Resp	84181
Ion Ratio	Lower	Upper	
93	100		
95	83.0	0.0	162.0
174	110.9	0.0	214.0





#41

Bromodichloromethane

Concen: 21.692 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

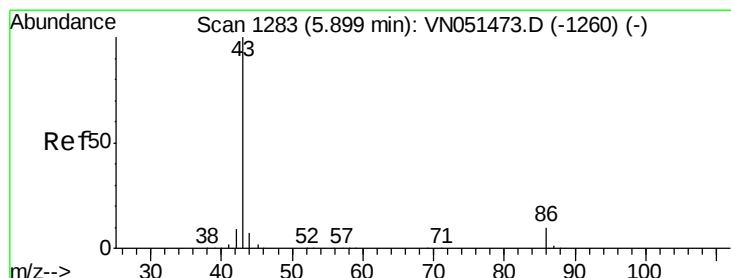
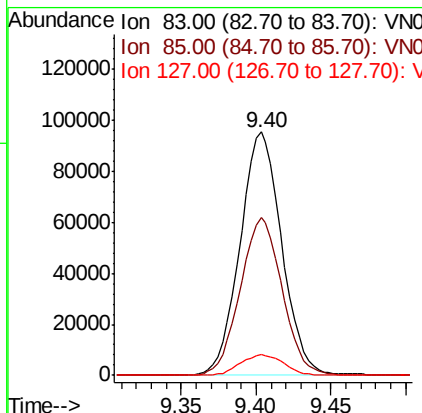
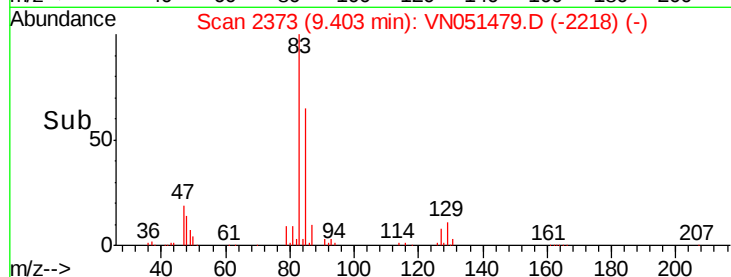
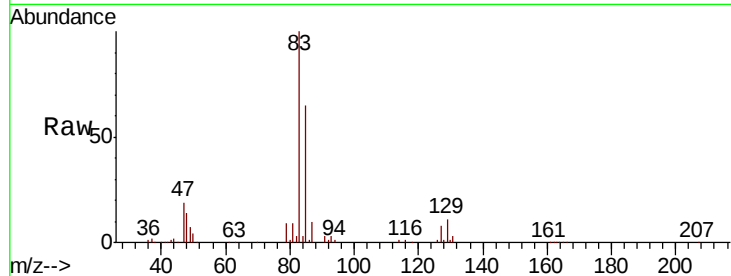
ClientSampleId :

ICVVN092518

Tot Ion:	83	Resp:	184805
Ion Ratio	Lower	Upper	
83	100		
85	64.6	55.7	83.5
127	8.3	8.2	12.4

Manual Integrations
APPROVED

MMDadoda
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#42

Vinyl Acetate

Concen: 108.365 ug/l

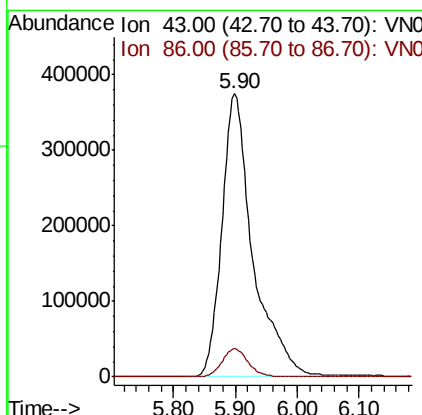
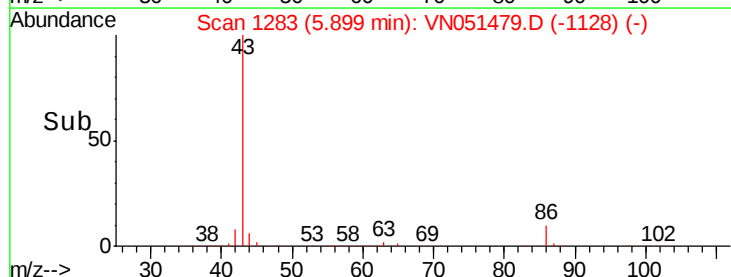
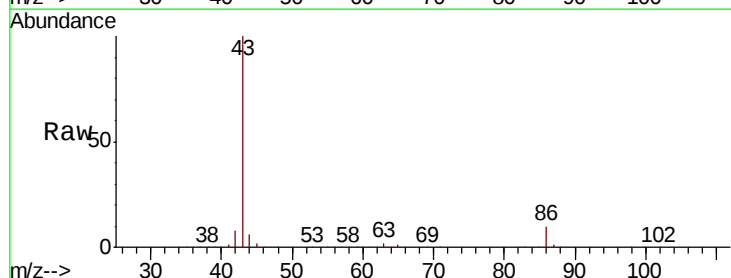
RT: 5.90 min Scan# 1283

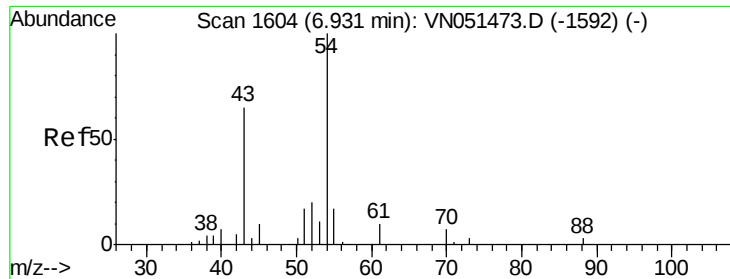
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	43	Resp:	1312090
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.5	9.7





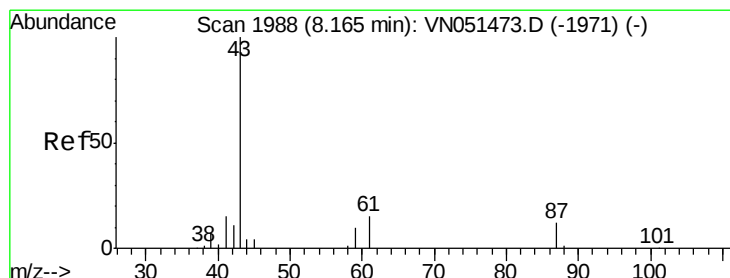
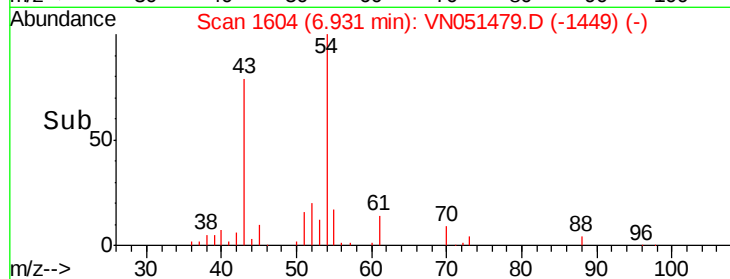
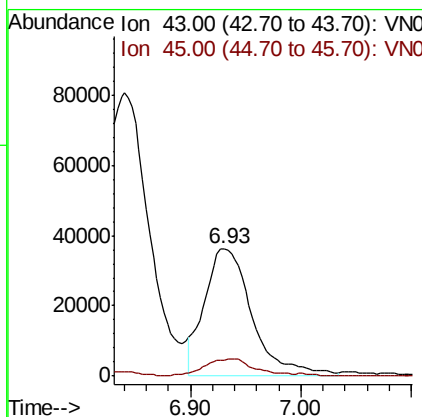
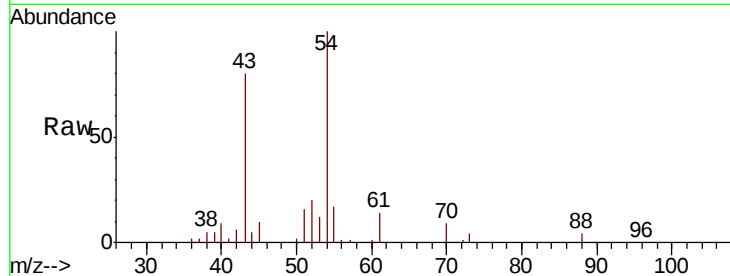
#43
Ethyl Acetate
Concen: 23.865 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	43	45	Ratio	Lower	Upper	Resp
108123	100	12.7		11.0	16.6	

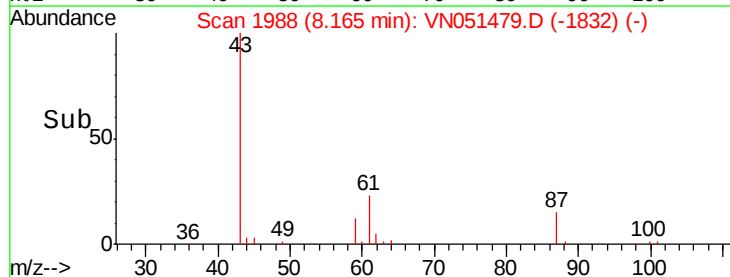
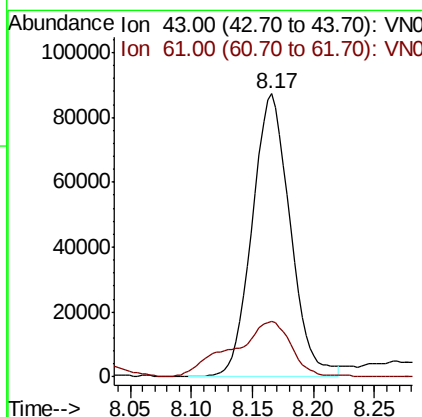
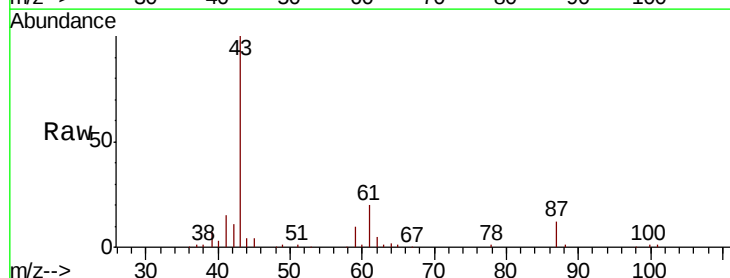
Manual Integrations
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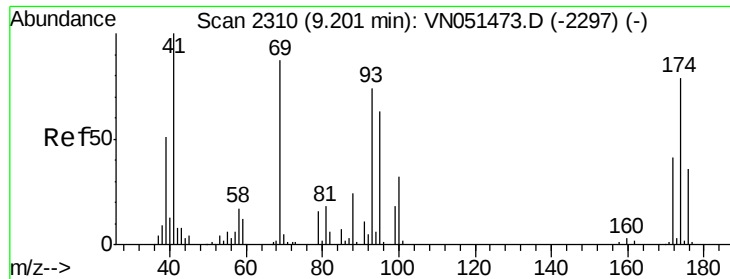
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#44
Isopropyl Acetate
Concen: 21.637 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	43	61	Ratio	Lower	Upper	Resp
188538	100	29.3		15.9	23.9	





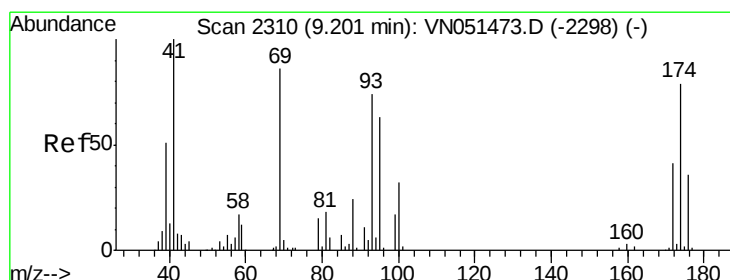
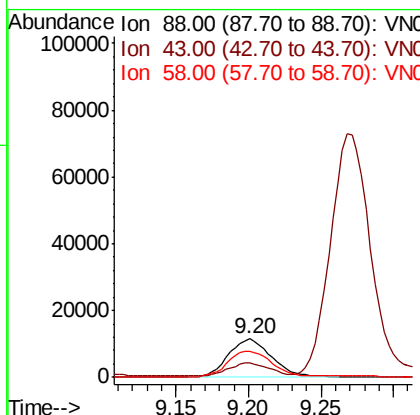
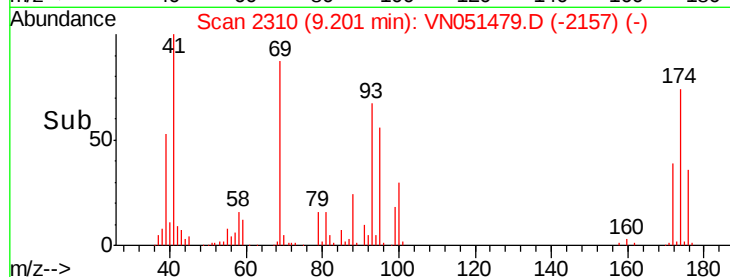
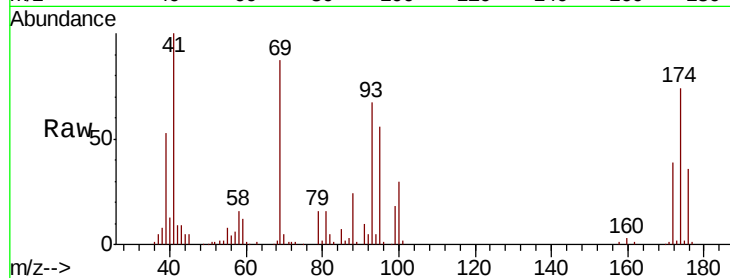
#45
1,4-Dioxane
Concen: 458.233 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.01 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.2	39.2
58	70.6	65.6	98.4

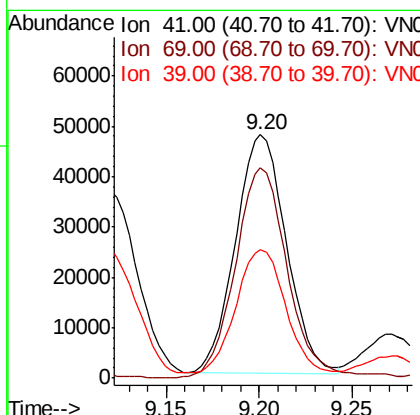
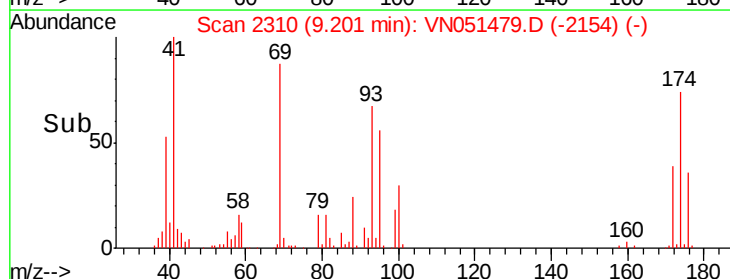
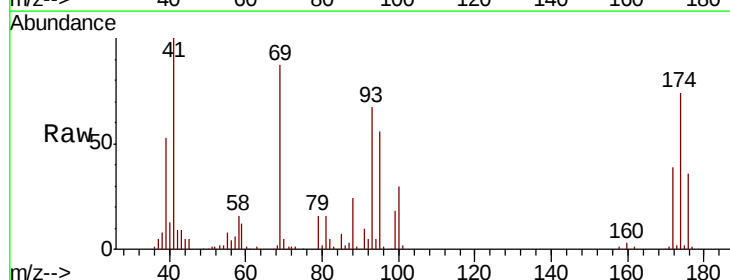
Manual Integrations
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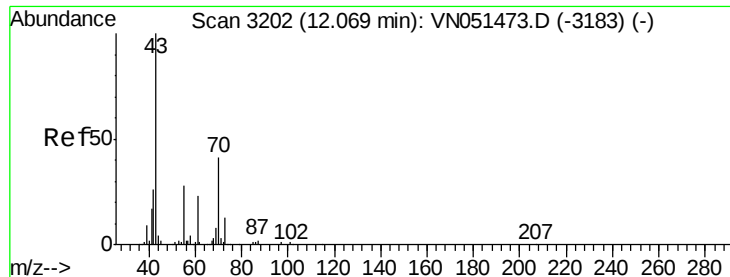
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#46
Methyl methacrylate
Concen: 20.993 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.4	40.7	122.1
39	51.3	27.3	81.9





#47

n-amvl Acetate

Concen: 0.323 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.17 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

ICVVN092518

Tot Ion: 43 Resp: 2247

Ion Ratio Lower Upper

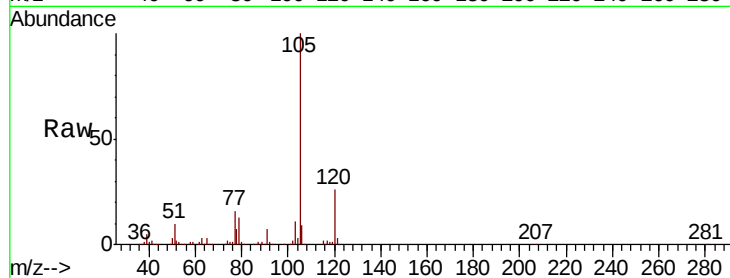
43 100

55 15.8 12.2 18.4

Manual Integrations
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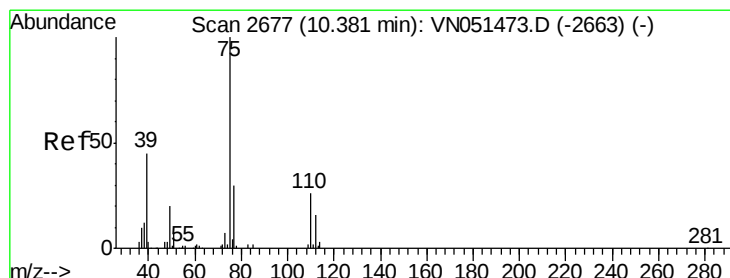
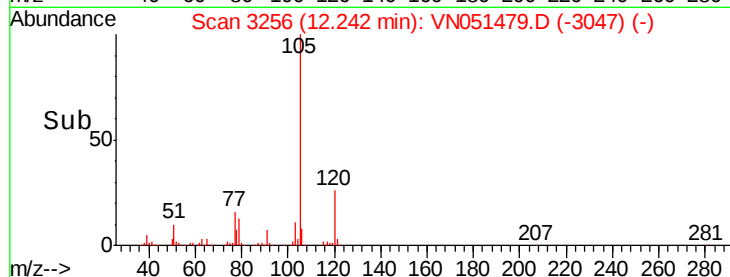
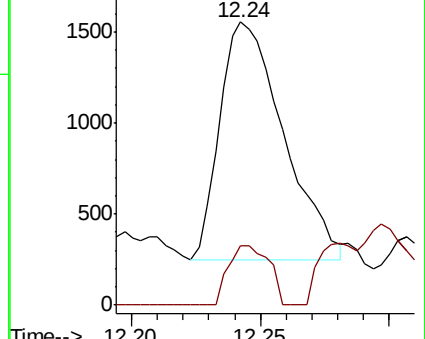
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 22.254 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051479.D

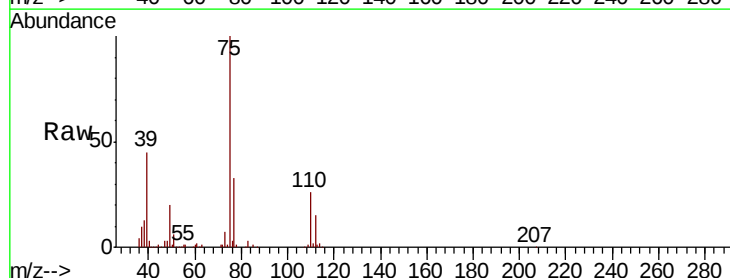
Acq: 25 Sep 2018 12:09

Tgt Ion: 75 Resp: 188265

Ion Ratio Lower Upper

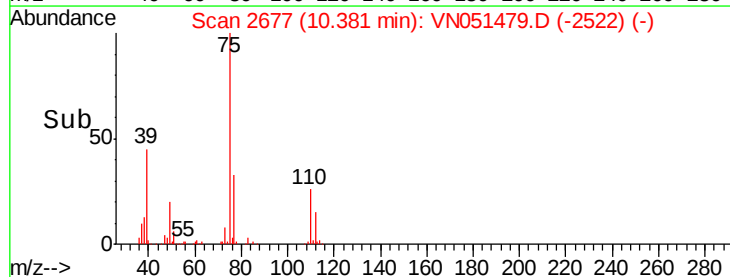
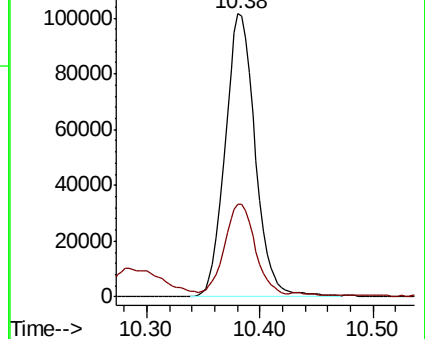
75 100

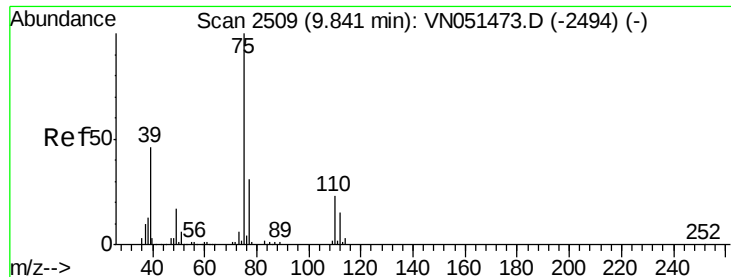
77 32.0 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





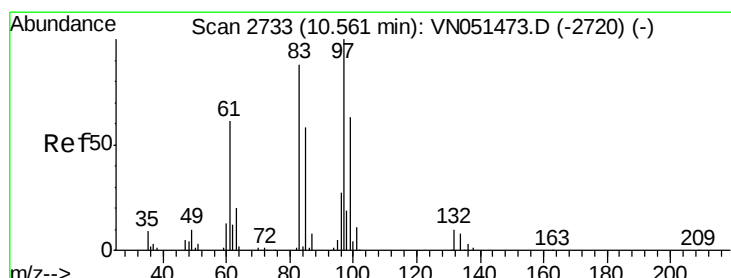
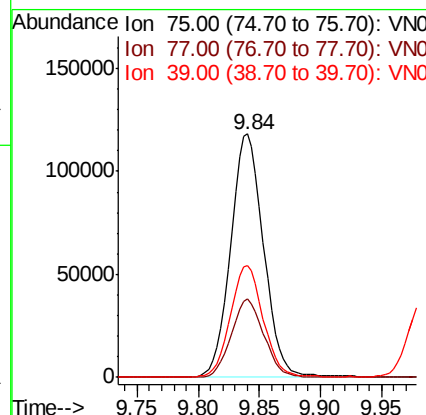
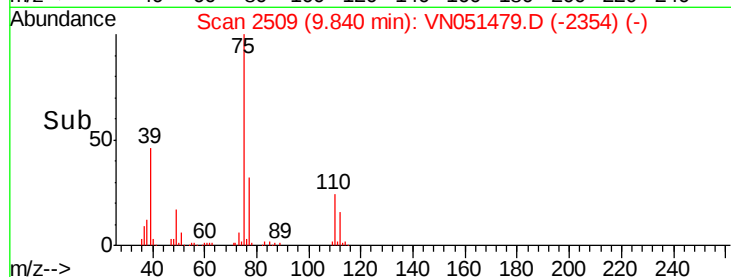
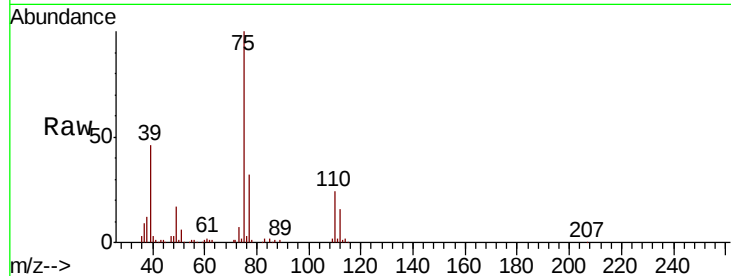
#49
 cis-1,3-Dichloropropene
 Concen: 22.733 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	23.2	34.8
39	45.8	34.6	52.0

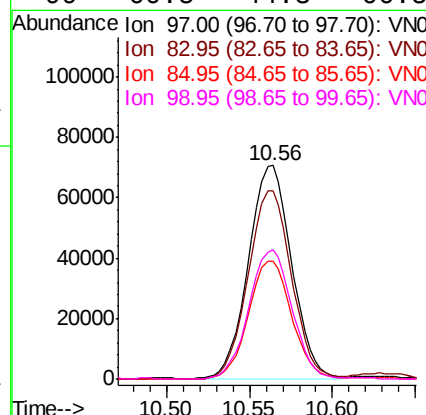
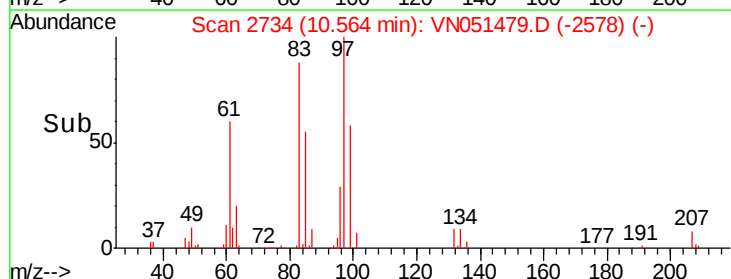
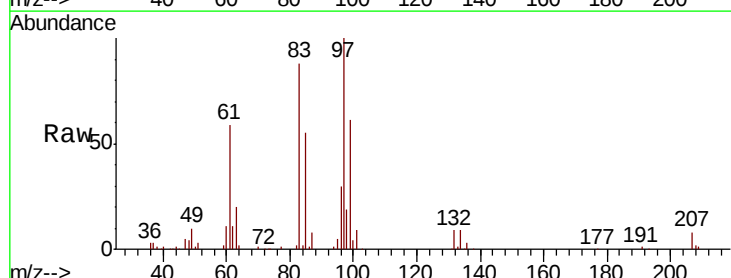
Manual Integrations
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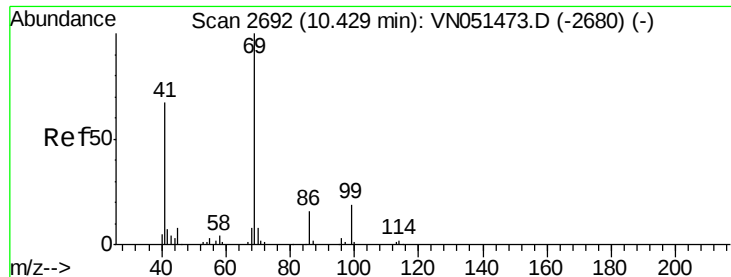
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#50
 1,1,2-Trichloroethane
 Concen: 23.181 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.2	102.4
85	55.2	42.5	63.7
99	60.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 22.320 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

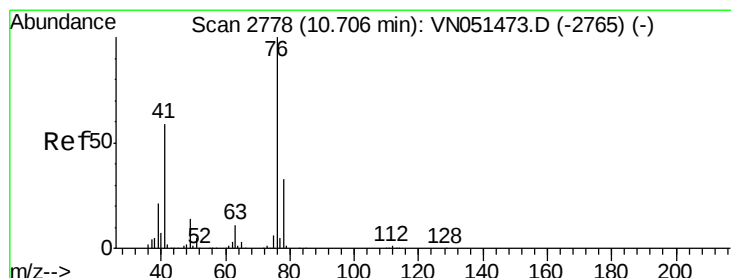
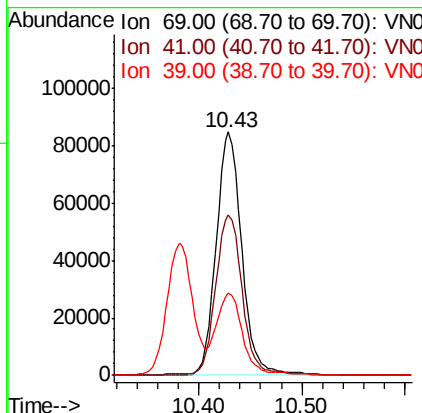
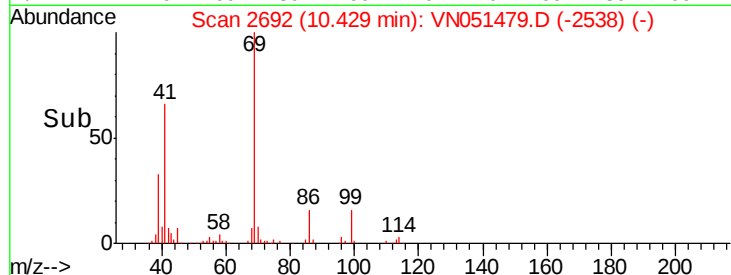
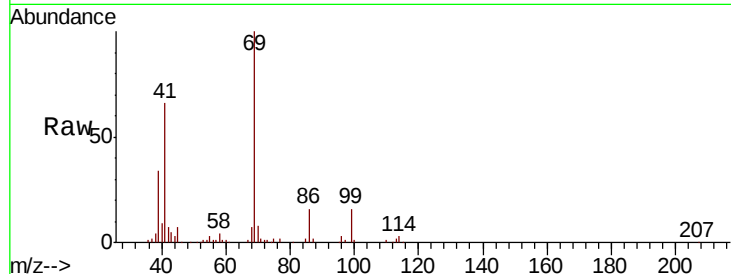
ClientSampled :

ICVVN092518

Tot Ion:	69	Resp:	146356
Ion	Ratio	Lower	Upper
69	100		
41	65.6	34.4	103.1
39	33.4	16.3	48.8

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#52

1,3-Dichloropropane

Concen: 22.039 ug/l

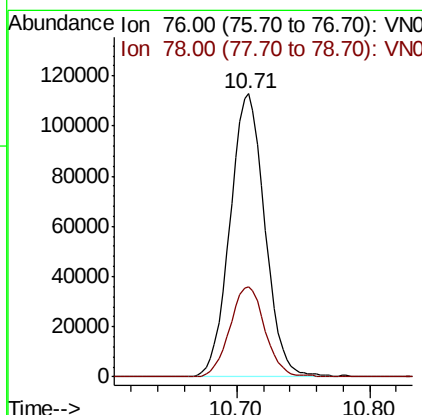
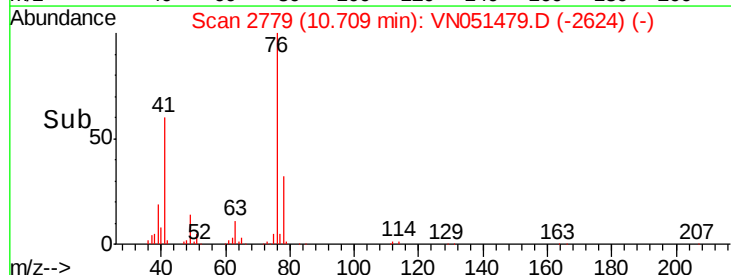
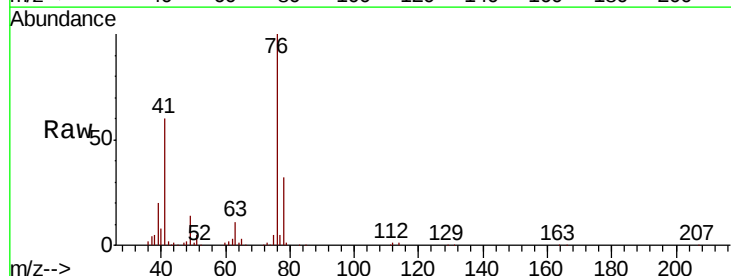
RT: 10.71 min Scan# 2779

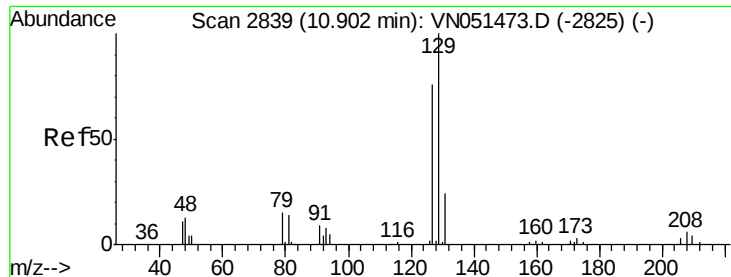
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	76	Resp:	206004
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	67.6





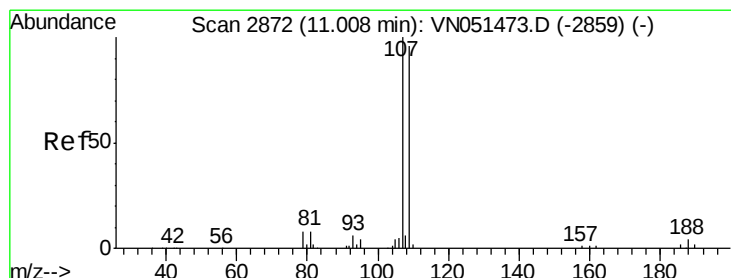
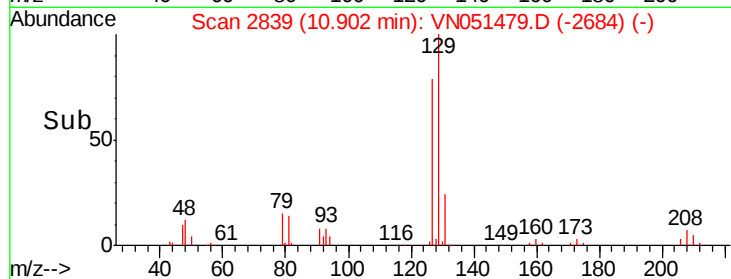
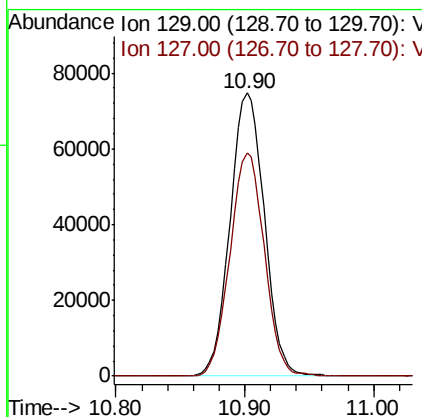
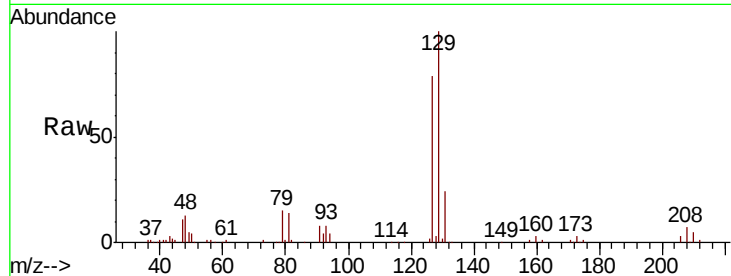
#53
Dibromochloromethane
Concen: 21.671 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
129	100	138111		
127	79.1	40.2	120.5	

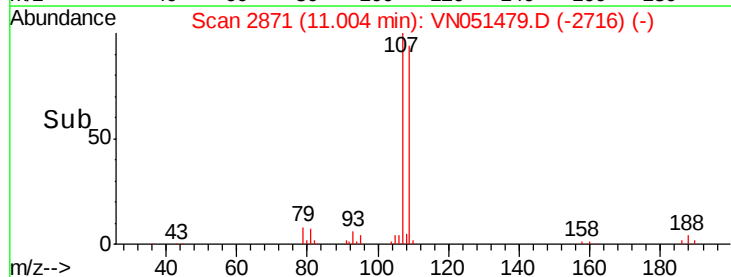
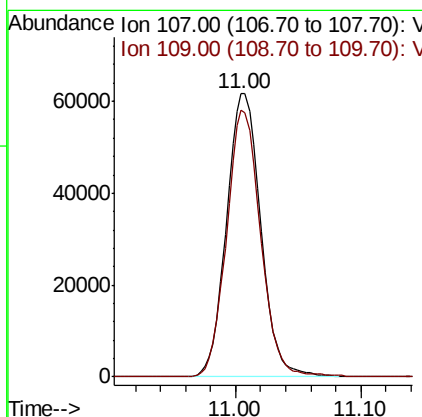
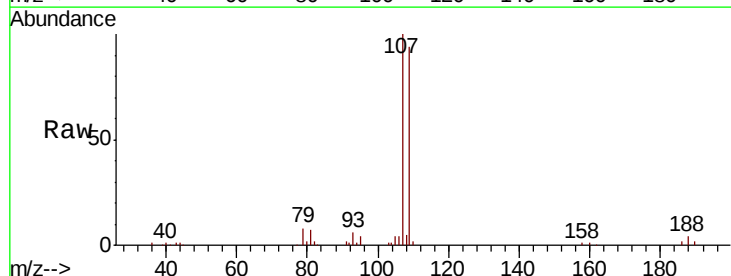
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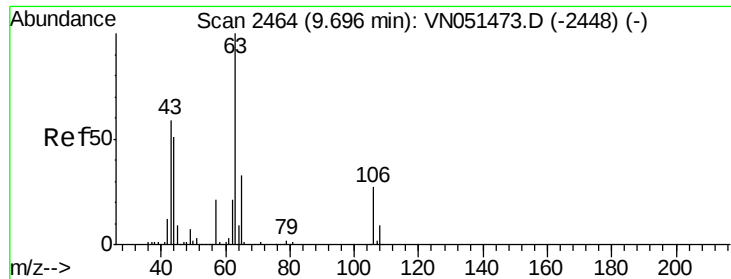
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#54
1,2-Dibromoethane
Concen: 21.851 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	116816		
109	92.9	77.4	116.0	





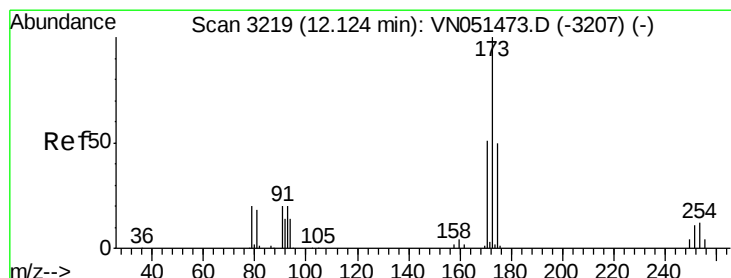
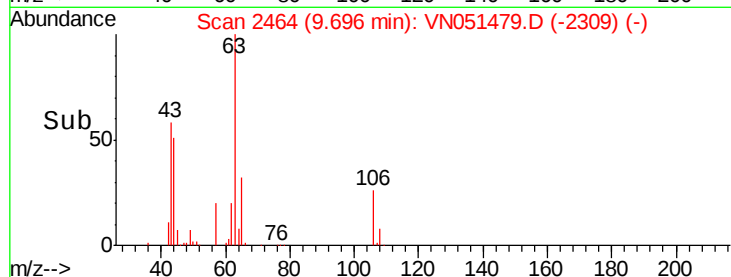
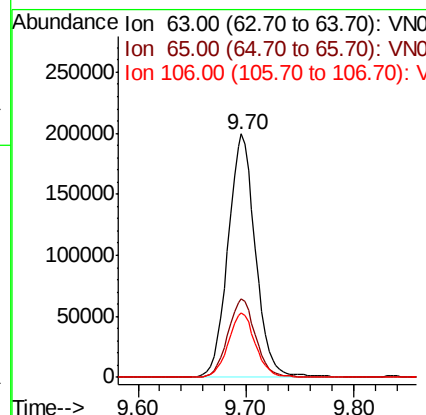
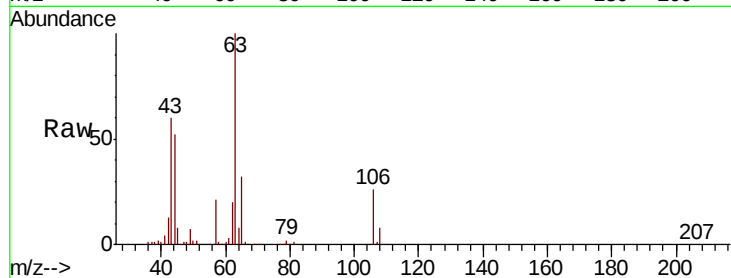
#55
2-Chloroethyl vinyl ether
Concen: 108.944 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.0
106	26.1	21.2	31.8

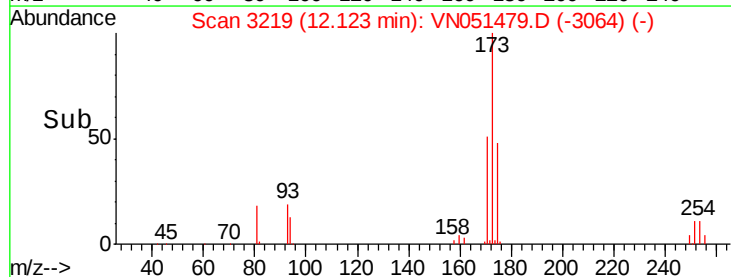
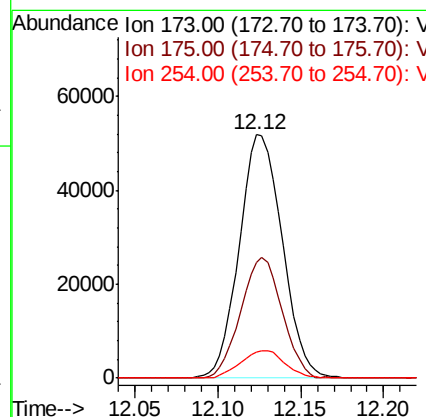
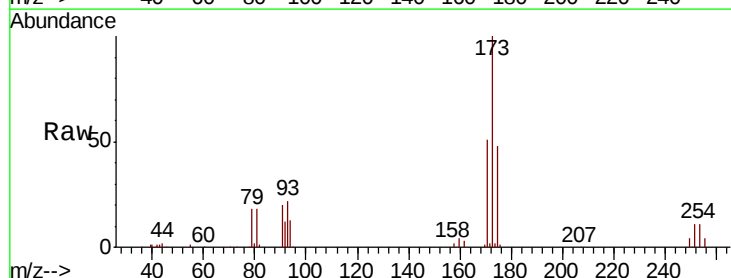
Manual Integrations
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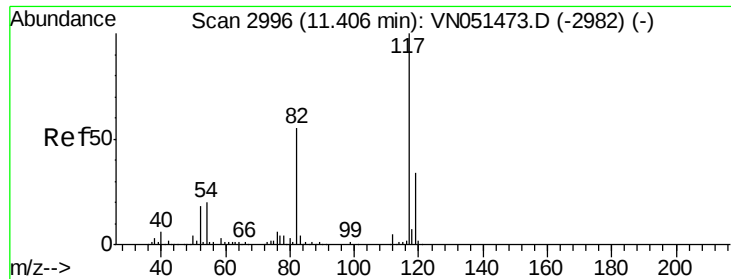
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#56
Bromoform
Concen: 21.827 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.4	35.8	53.8
254	11.6	8.6	13.0





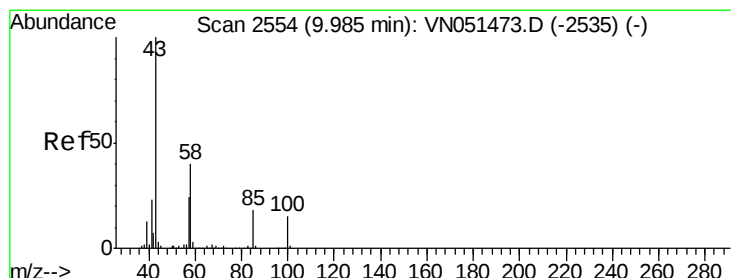
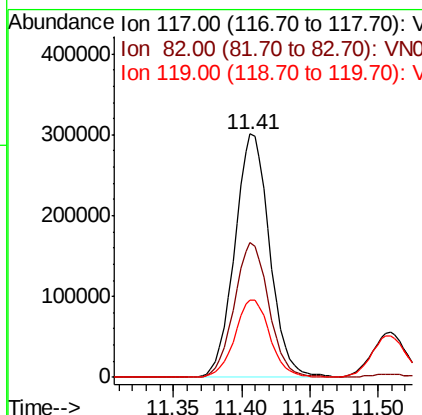
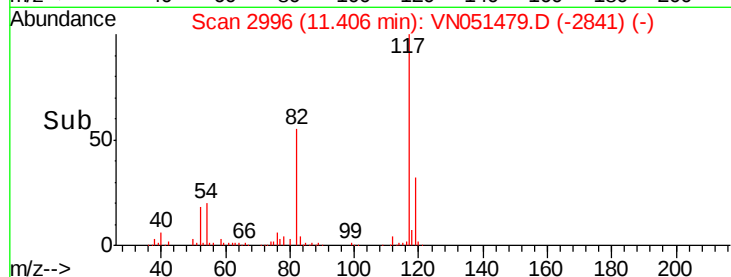
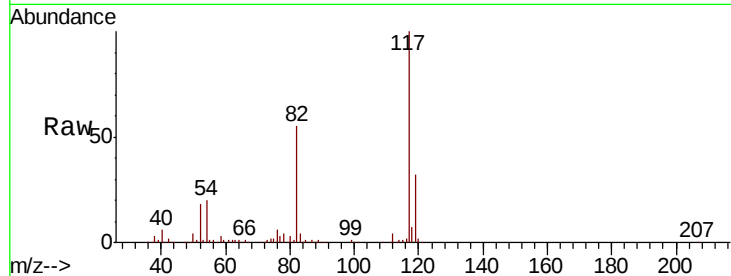
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
117	100	534641		
82	54.9		44.1	66.1
119	32.0		25.8	38.8

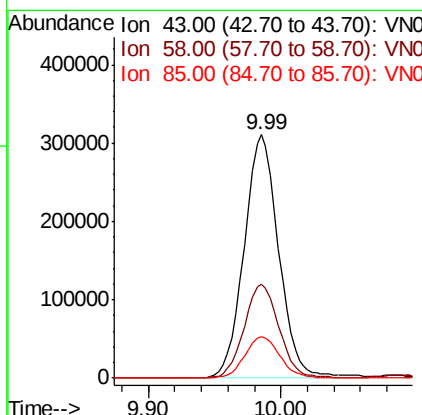
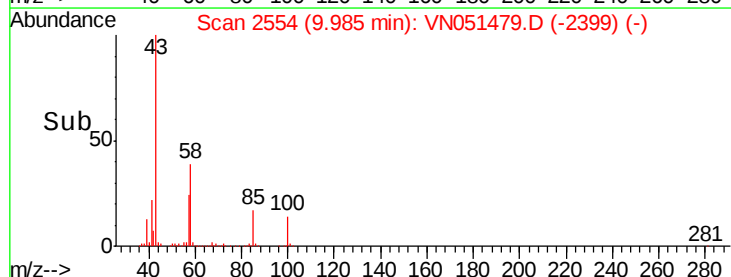
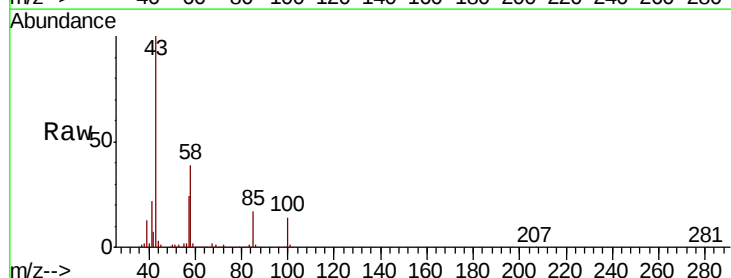
Manual Integrations
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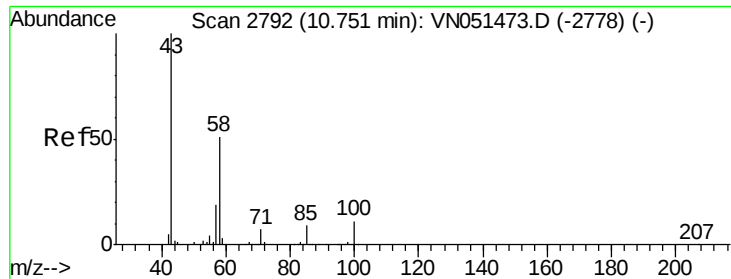
MMDadoda
10/1/2018 11:21:31 AM



#58
4-Methyl-2-Pentanone
Concen: 118.833 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	558346		
58	39.4		29.3	43.9
85	17.4		12.6	18.8





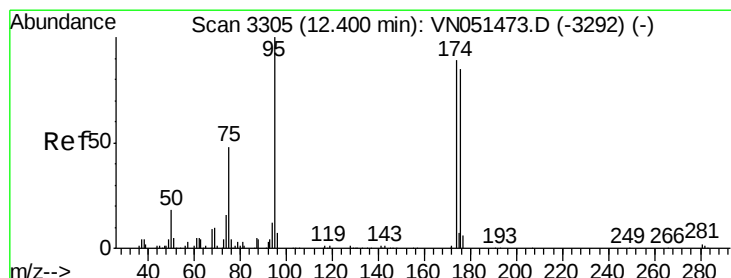
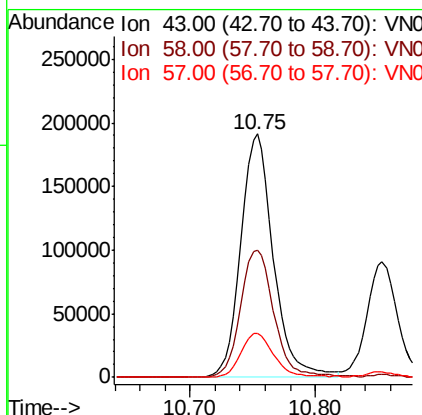
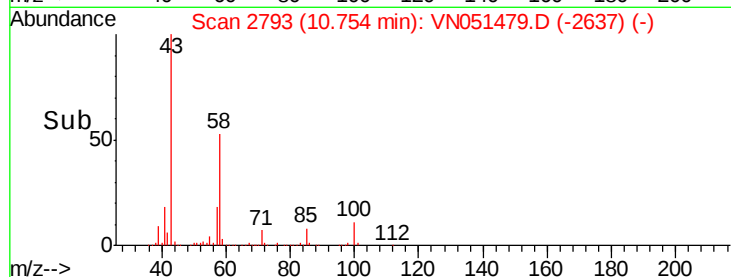
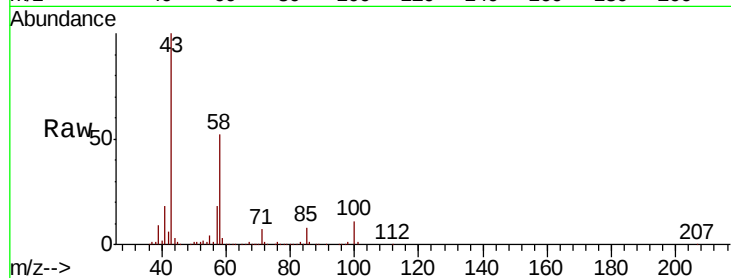
#59
2-Hexanone
Concen: 111.221 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	43	Resp	343941
Ion Ratio	Lower	Upper	
43	100		
58	53.8	41.3	61.9
57	18.4	13.4	20.0

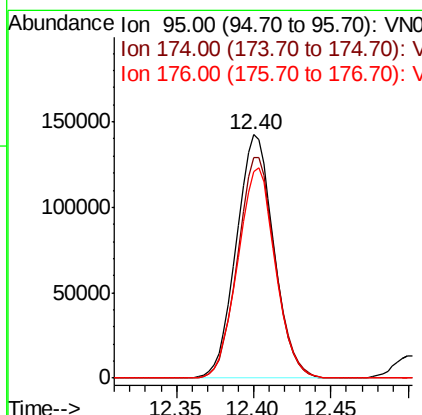
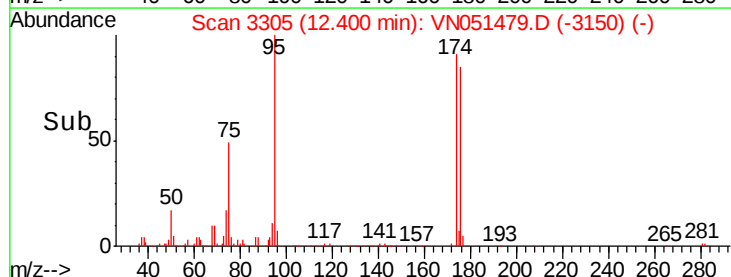
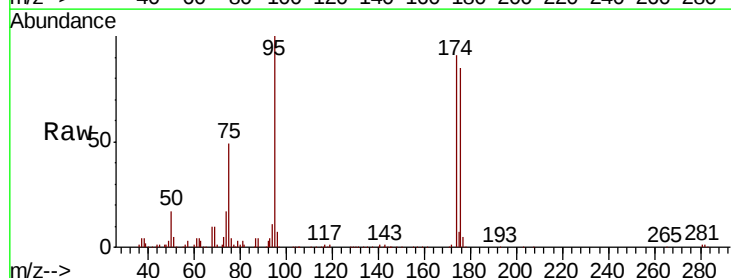
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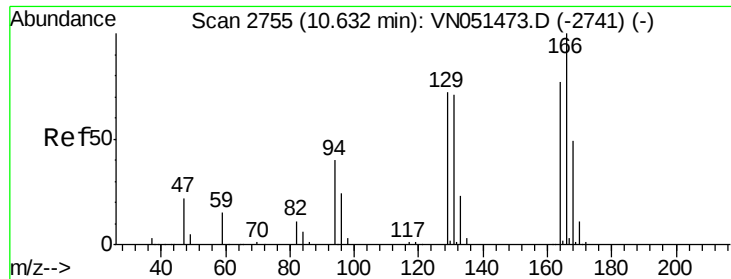
MMDadoda
10/1/2018 11:21:31 AM



#60
4-Bromofluorobenzene
Concen: 30.550 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	95	Resp	239796
Ion Ratio	Lower	Upper	
95	100		
174	90.9	73.5	110.3
176	87.0	70.2	105.2





#61

Tetrachloroethene

Concen: 22.726 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

Tot Ion:164 Resp: 141356

Ion Ratio Lower Upper

164 100

166 128.7 98.7 148.1

129 91.1 69.6 104.4

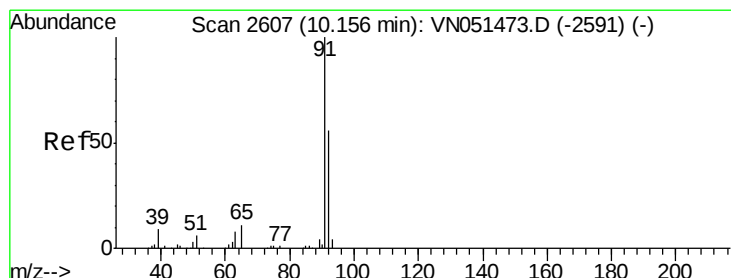
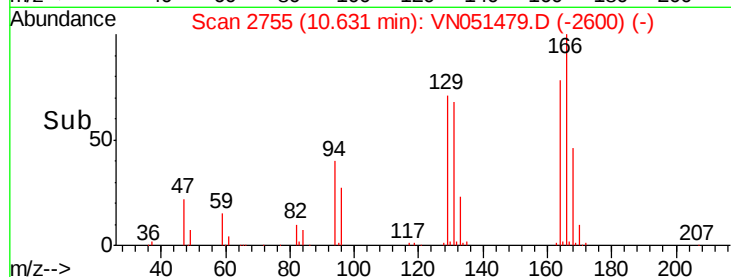
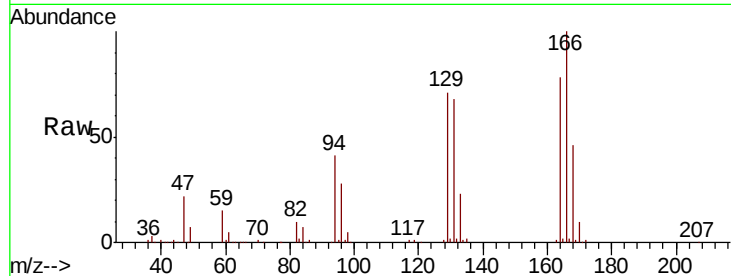
131 87.3 72.4 108.6

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#62

Toluene

Concen: 22.890 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051479.D

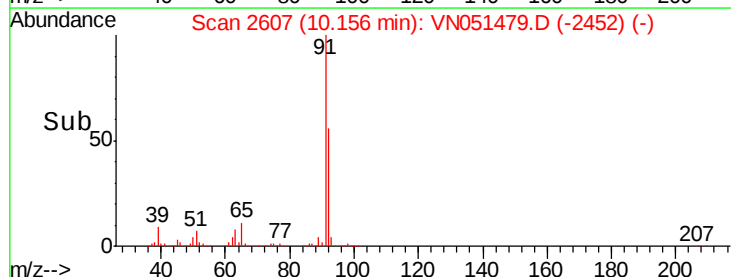
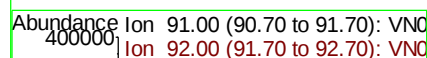
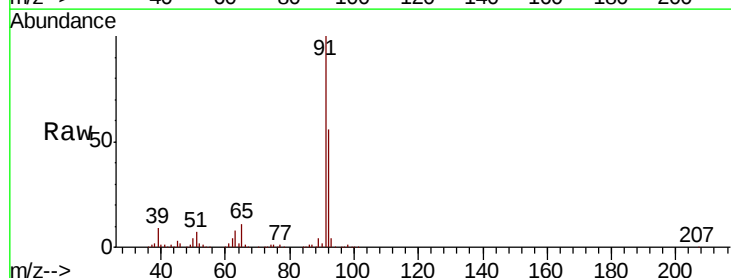
Acq: 25 Sep 2018 12:09

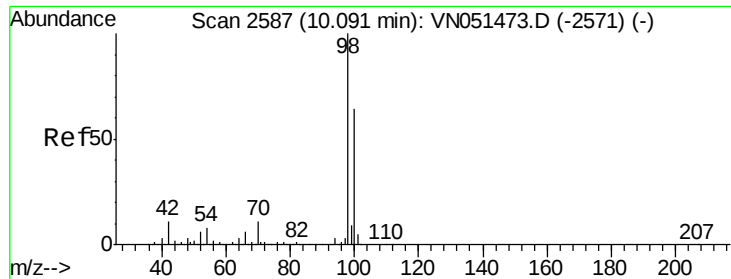
Tgt Ion: 91 Resp: 626501

Ion Ratio Lower Upper

91 100

92 56.9 44.6 66.8





#63

Toluene-d8

Concen: 31.573 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

Tot Ion: 98 Resp: 809344

Ion Ratio Lower Upper

98 100

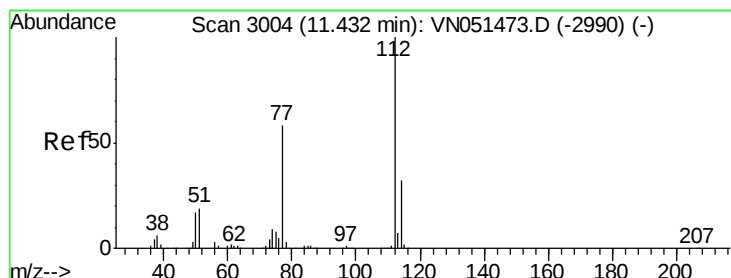
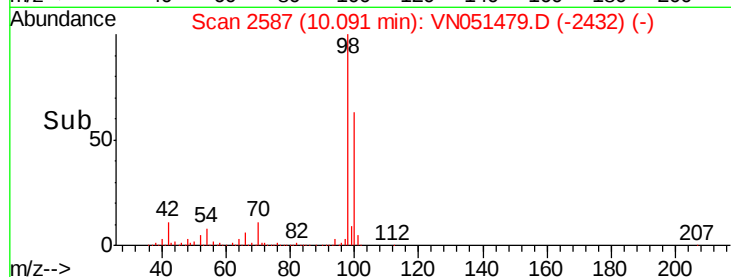
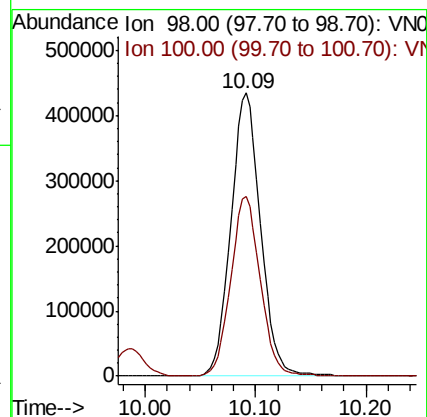
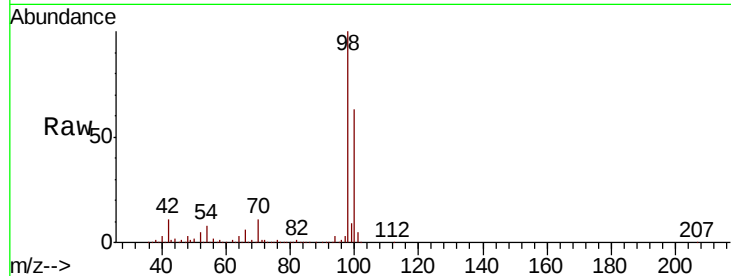
100 63.0 50.8 76.2

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#64

Chlorobenzene

Concen: 21.925 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051479.D

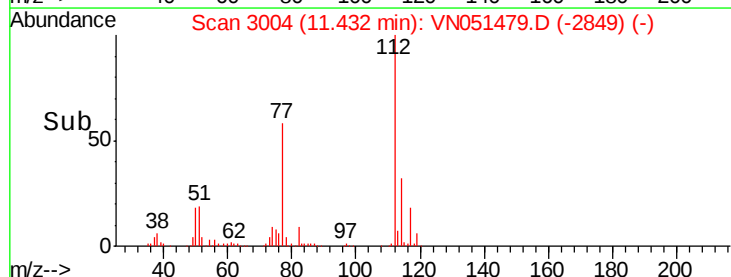
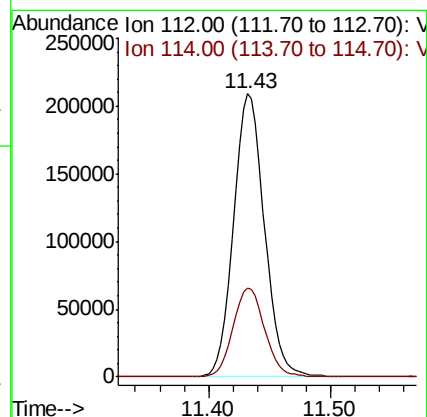
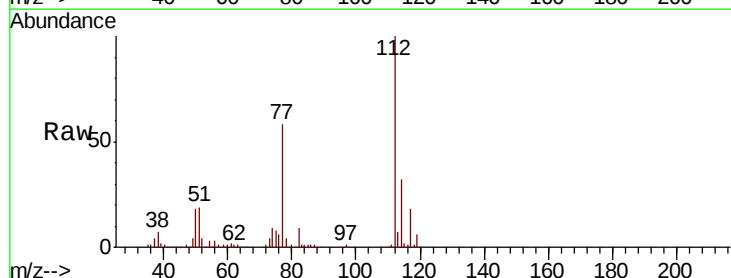
Acq: 25 Sep 2018 12:09

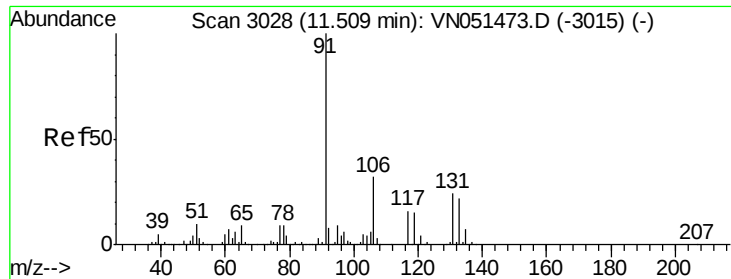
Tgt Ion: 112 Resp: 367912

Ion Ratio Lower Upper

112 100

114 31.6 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 21.242 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

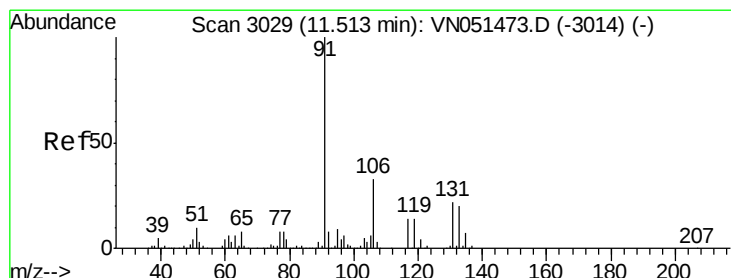
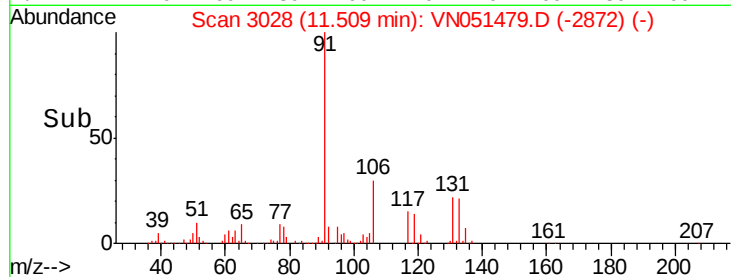
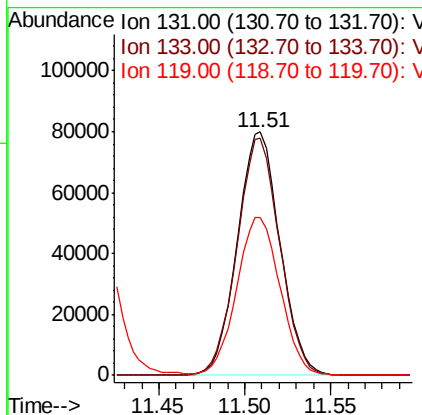
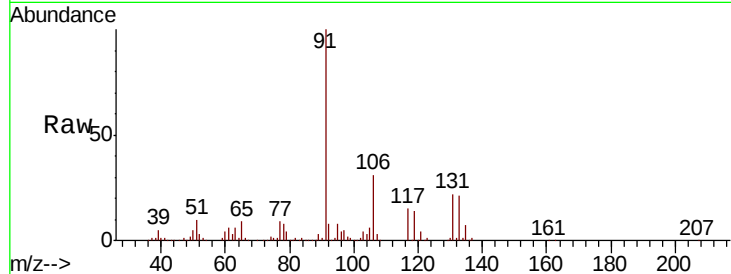
ClientSampled :

ICVVN092518

Tot Ion:	131	Resp:	137816
Ion Ratio	Lower	Upper	
131	100		
133	97.7	0.0	190.4
119	66.3	0.0	128.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 21.622 ug/l

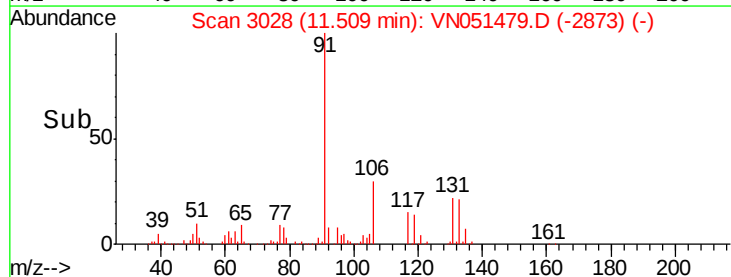
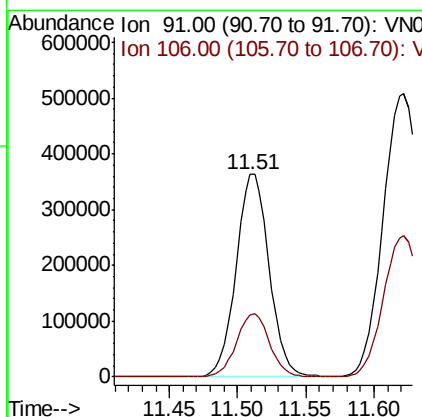
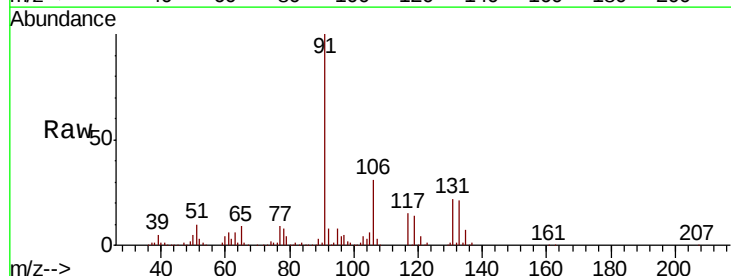
RT: 11.51 min Scan# 3028

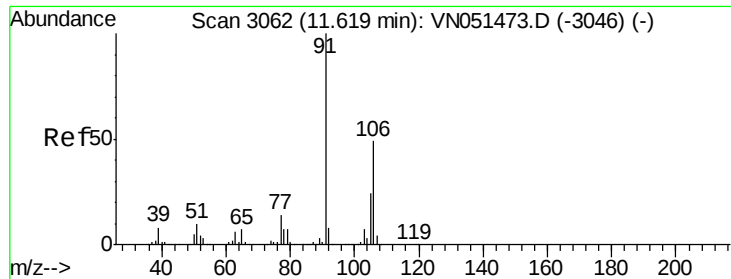
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	91	Resp:	610527
Ion Ratio	Lower	Upper	
91	100		
106	30.9	25.9	38.9





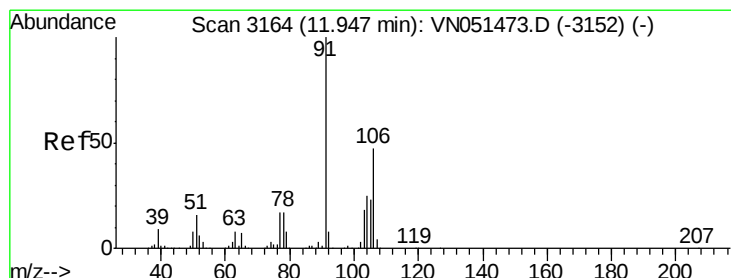
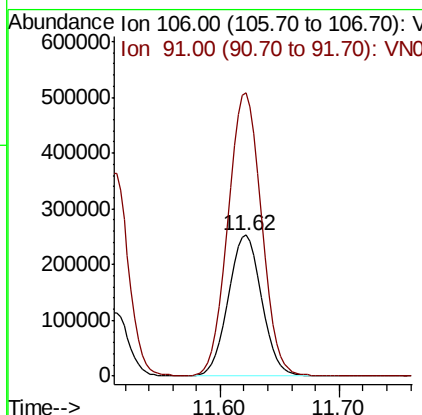
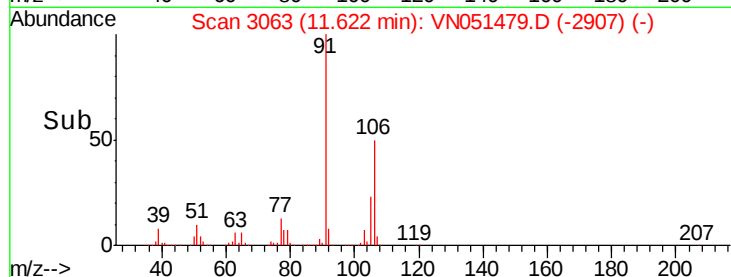
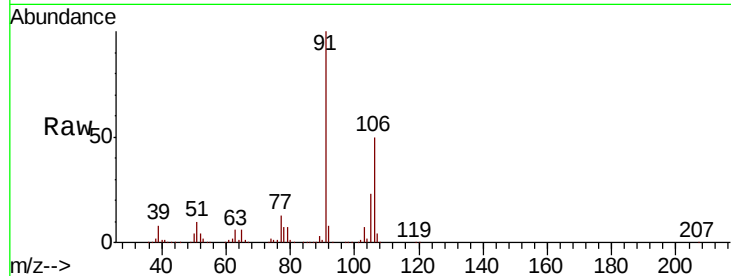
#67
m/p-Xylenes
Concen: 45.289 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	492295		
91	91	201.4	158.8	238.2	

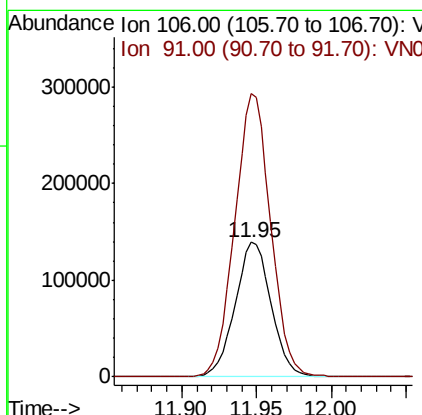
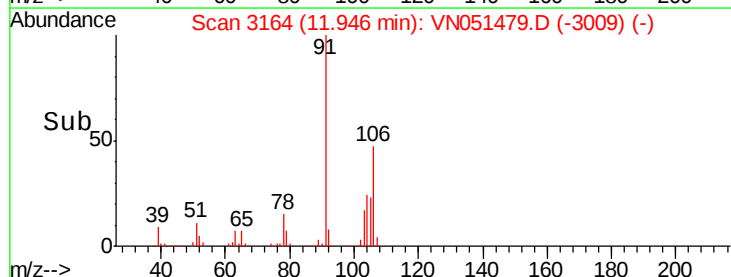
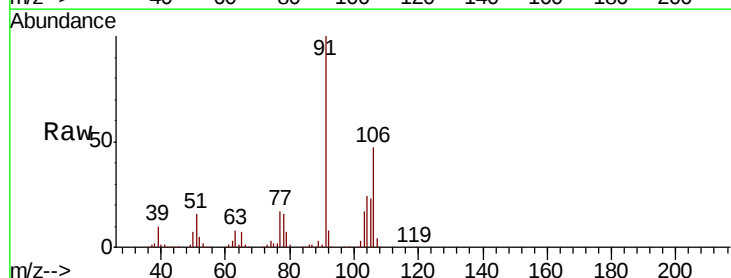
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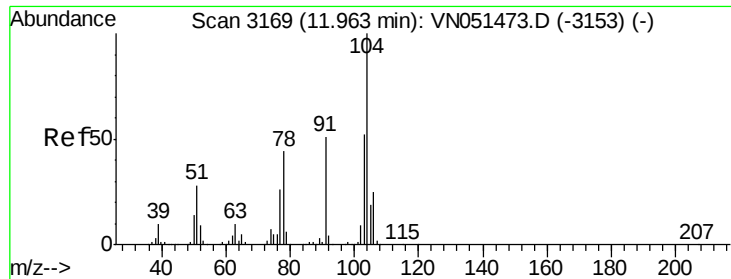
MMDadoda
10/1/2018 11:21:31 AM



#68
o-Xylene
Concen: 22.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	232638		
91	91	209.8	111.1	333.3	





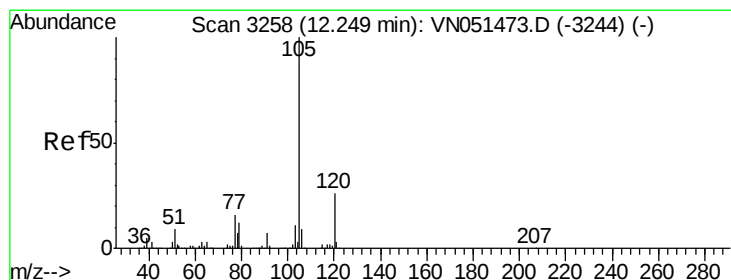
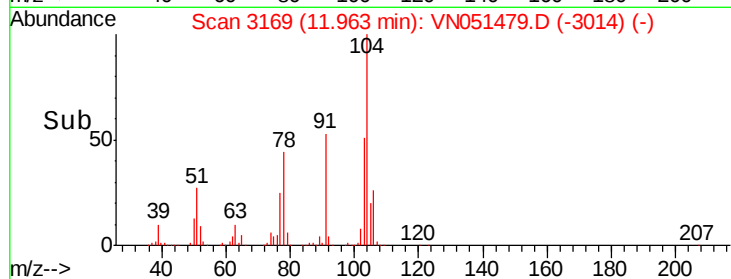
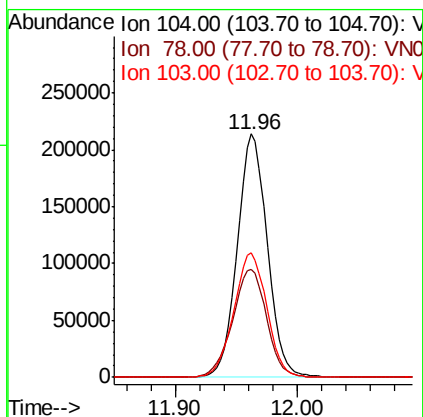
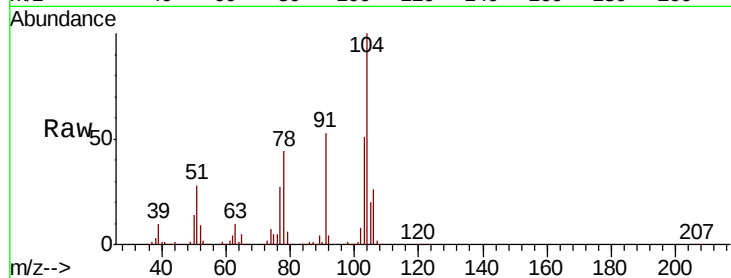
#69
Stvrene
Concen: 22.218 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.3	40.6	60.8
103	56.3	44.0	66.0

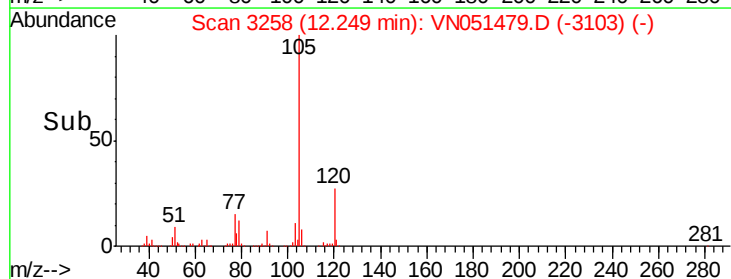
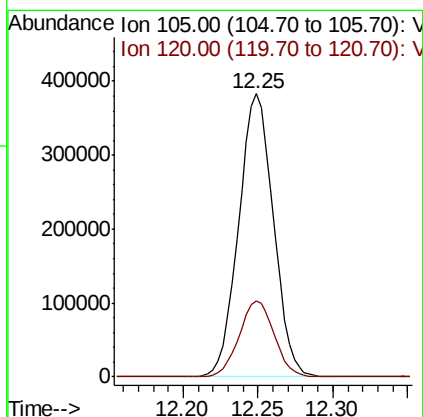
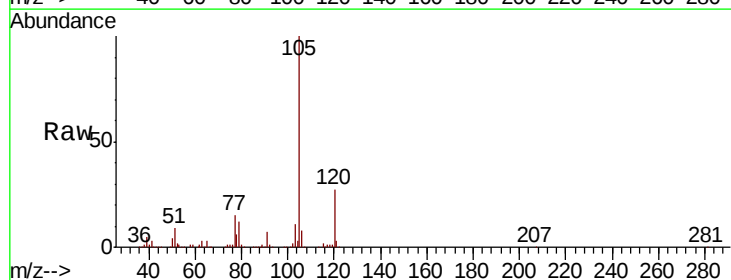
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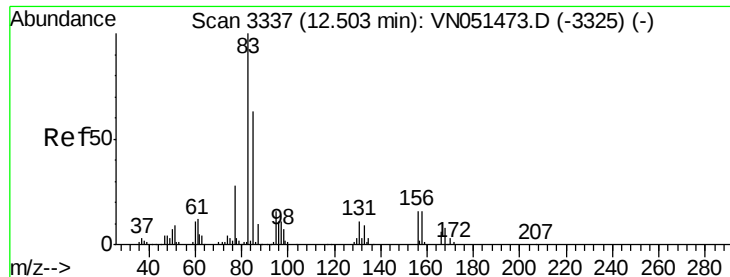
MMDadoda
10/1/2018 11:21:31 AM



#70
Isopropylbenzene
Concen: 22.371 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 21.598 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

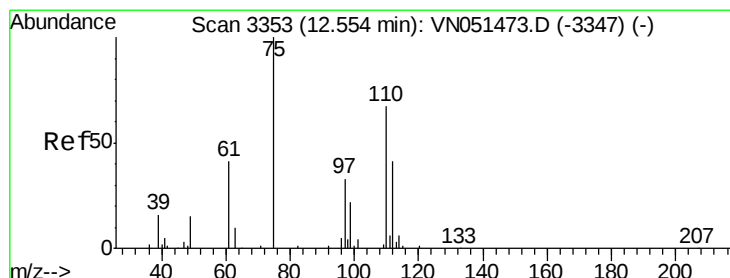
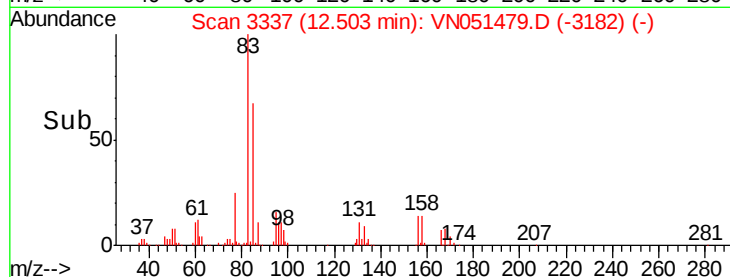
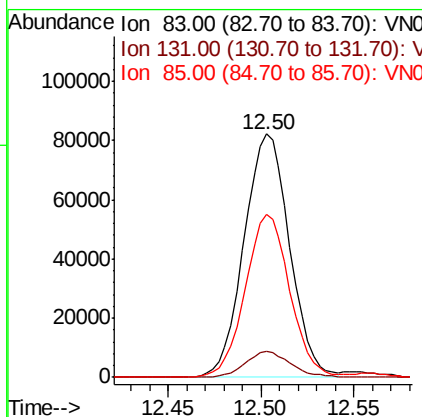
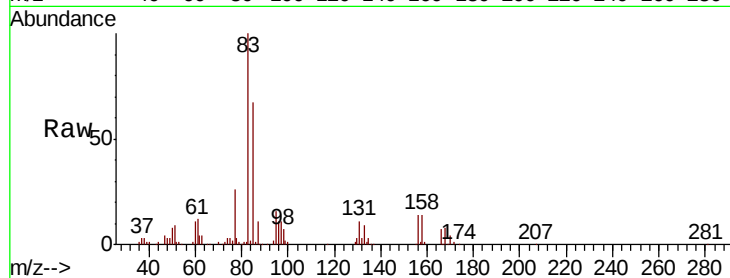
ClientSampled :

ICVVN092518

Tot Ion:	83	Resp:	140869
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.5	16.4
85	65.2	30.6	91.8

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#72

1,2,3-Trichloropropane

Concen: 24.707 ug/l m

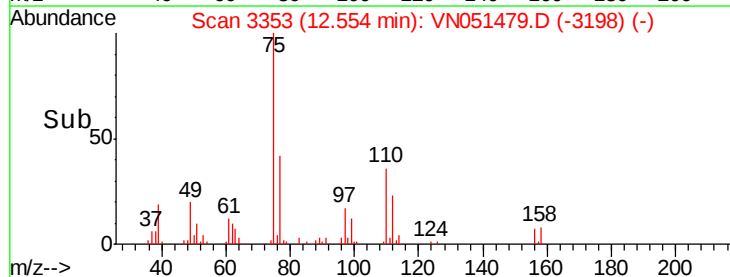
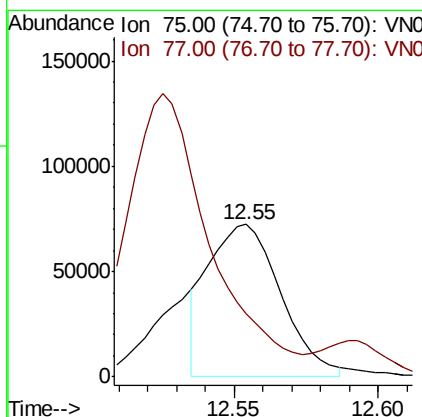
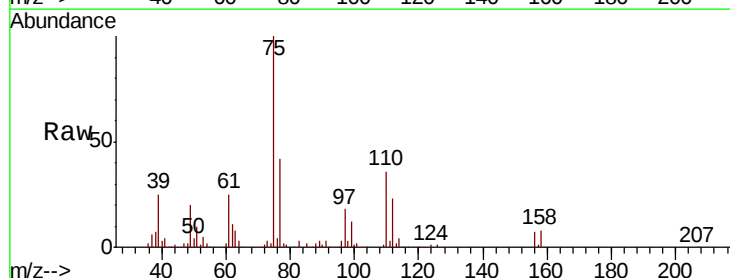
RT: 12.55 min Scan# 3353

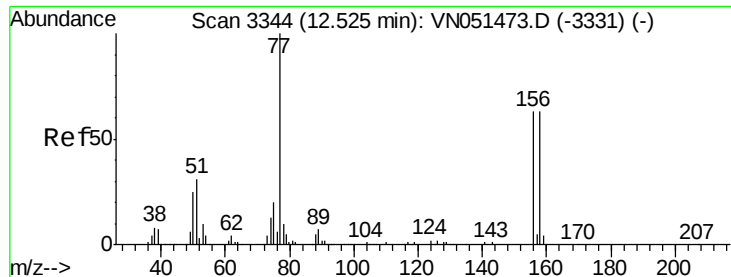
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	75	Resp:	127076
Ion Ratio	Lower	Upper	
75	100		
77	215.4	0.0	400.0





#73

Bromobenzene

Concen: 21.594 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

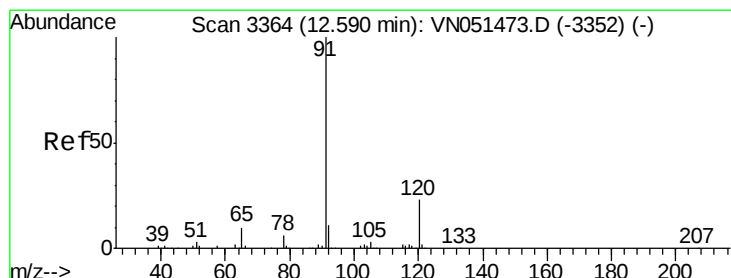
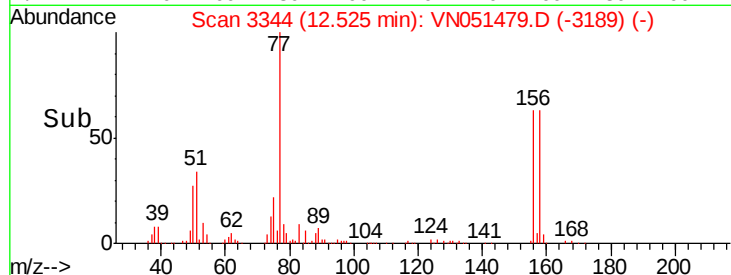
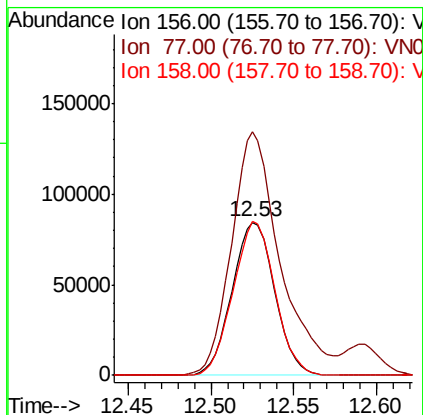
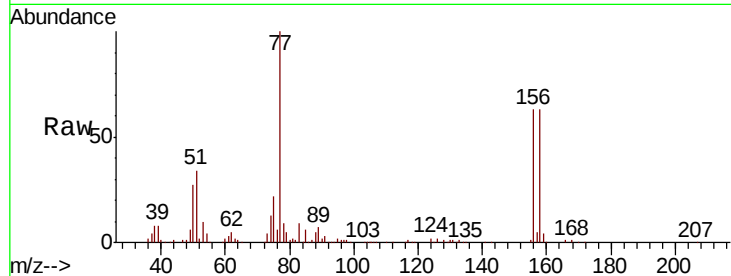
ClientSampled :

ICVVN092518

Tot Ion:	156	Resp:	150787
Ion Ratio	Lower	Upper	
156	100		
77	181.5	0.0	377.4
158	98.9	0.0	203.0

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#74

n-propylbenzene

Concen: 21.962 ug/l

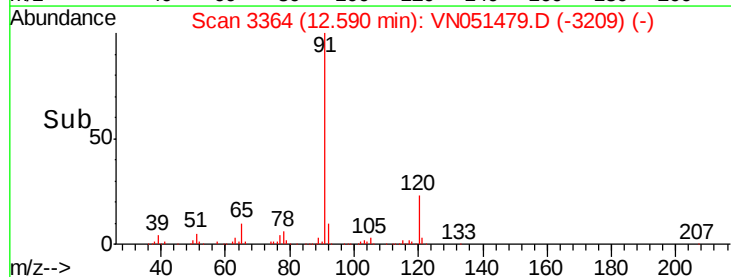
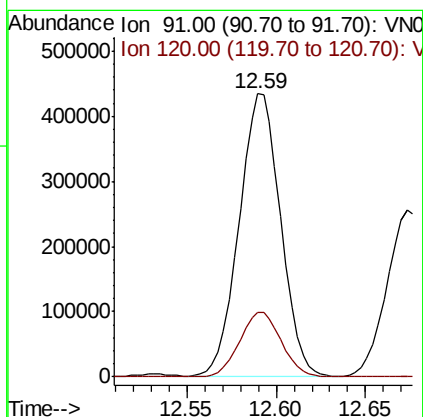
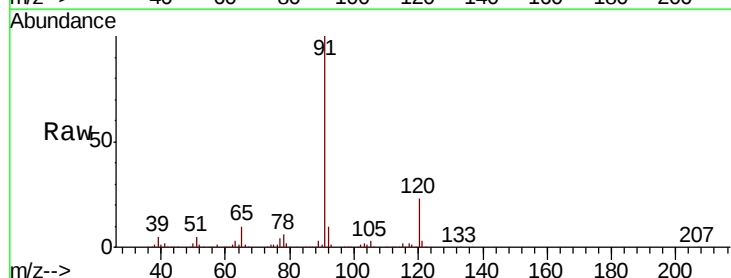
RT: 12.59 min Scan# 3364

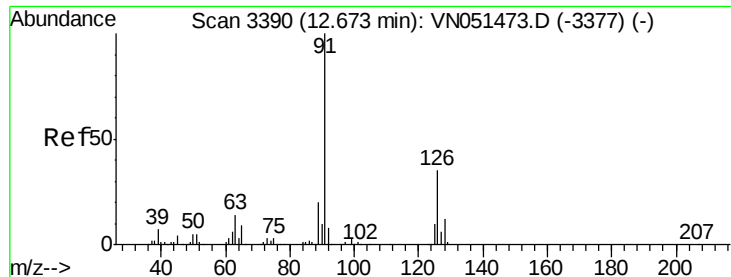
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	91	Resp:	707440
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	45.0





#75

2-Chlorotoluene

Concen: 22.246 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

Tot Ion: 91 Resp: 422886

Ion Ratio Lower Upper

91 100

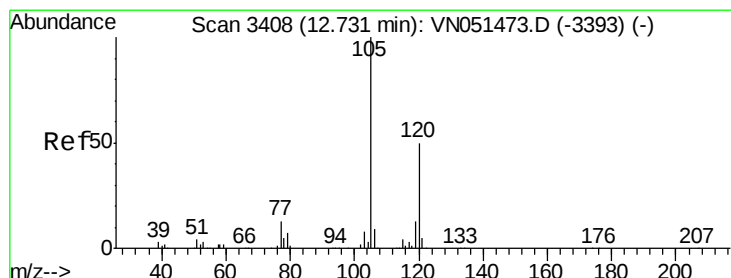
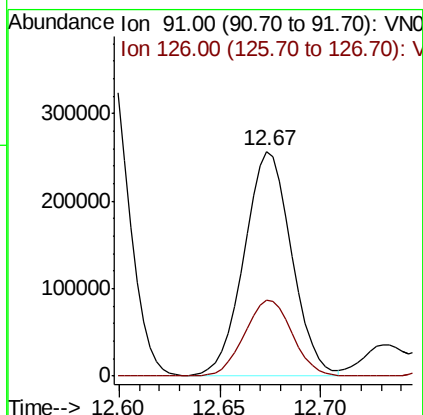
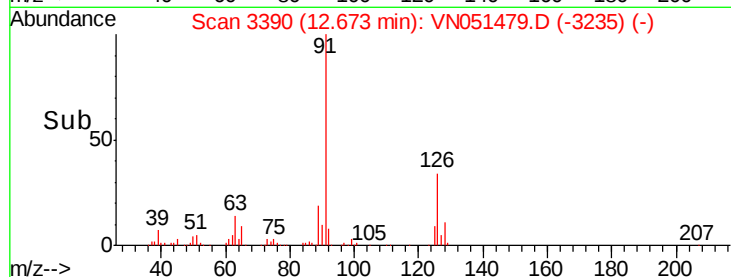
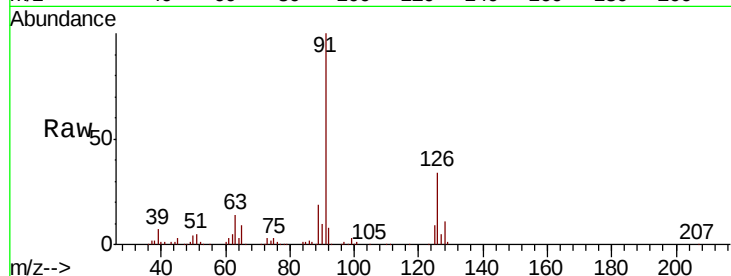
126 34.2 0.0 67.6

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 22.812 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051479.D

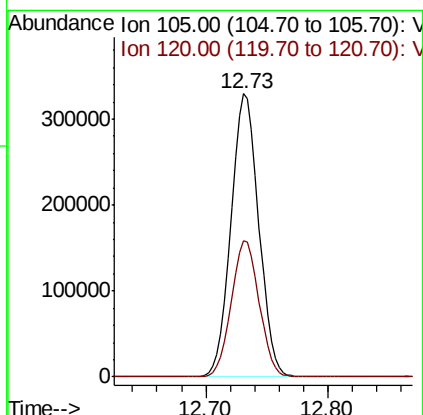
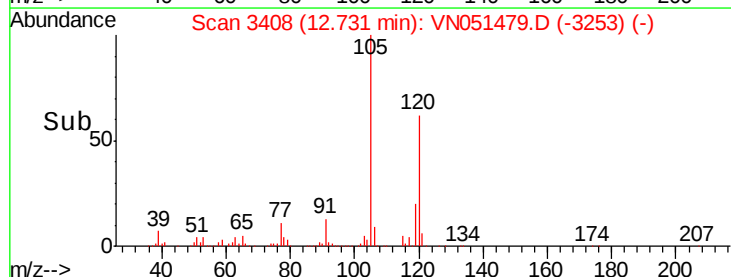
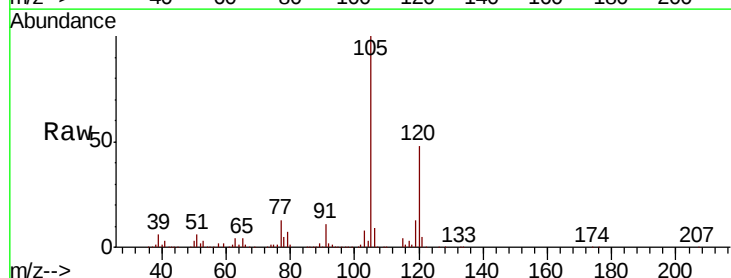
Acq: 25 Sep 2018 12:09

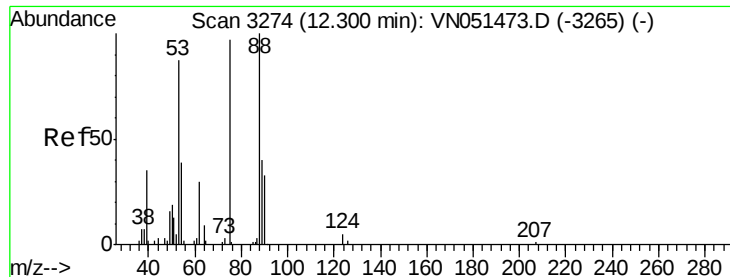
Tgt Ion: 105 Resp: 521533

Ion Ratio Lower Upper

105 100

120 48.4 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 20.036 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

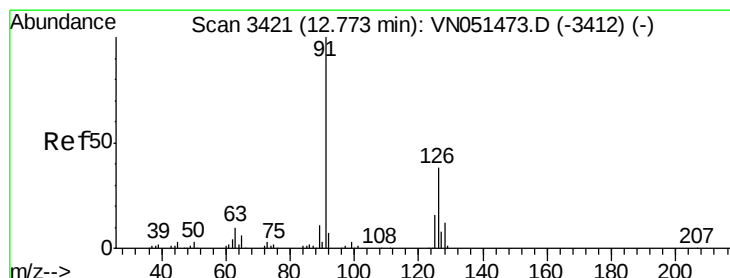
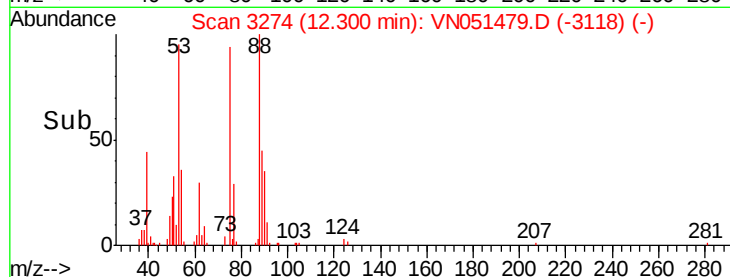
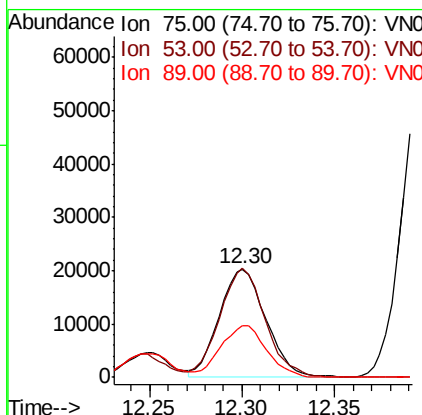
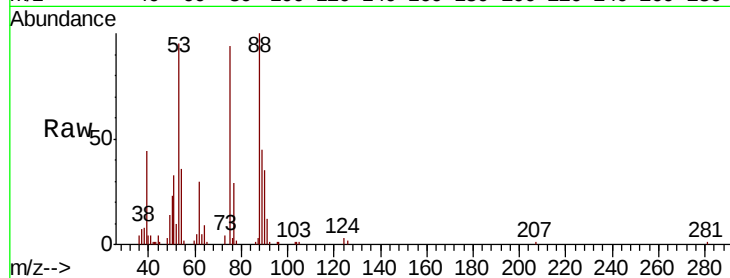
ClientSampleId :

ICVVN092518

Tot Ion:	75	Resp:	35539
Ion	Ratio	Lower	Upper
75	100		
53	100.3	46.3	138.9
89	47.8	24.6	73.8

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#78

4-Chlorotoluene

Concen: 22.066 ug/l

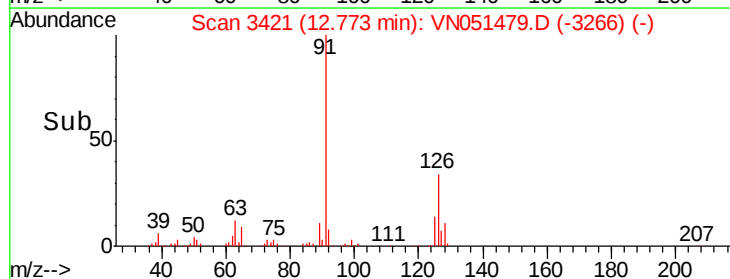
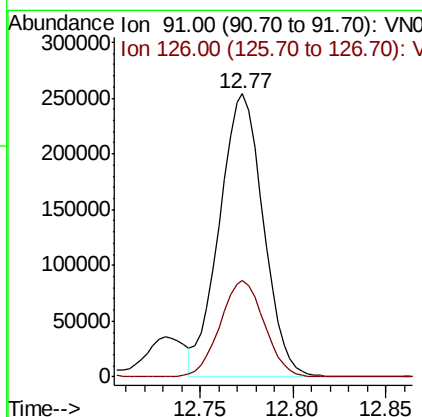
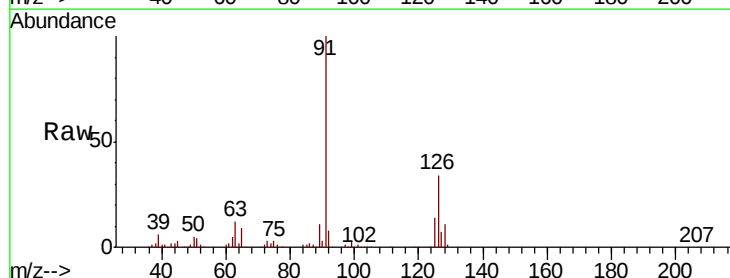
RT: 12.77 min Scan# 3421

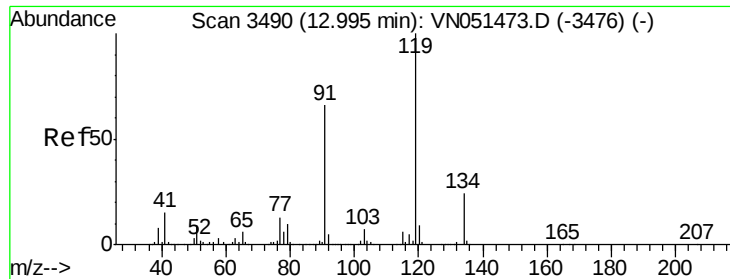
Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Tgt Ion:	91	Resp:	416043
Ion	Ratio	Lower	Upper
91	100		
126	34.3	0.0	65.2





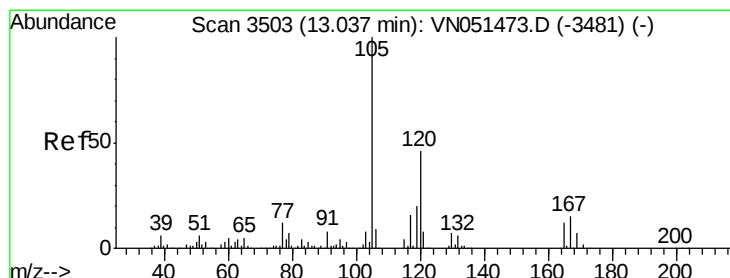
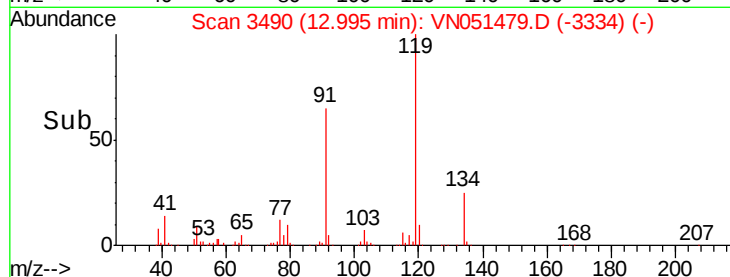
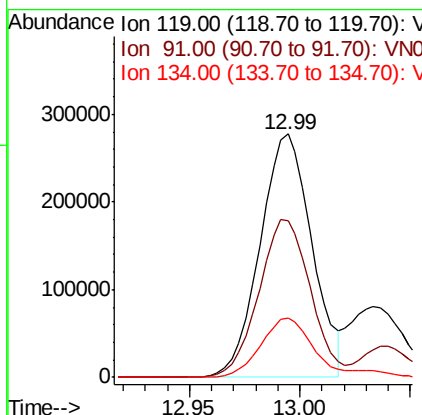
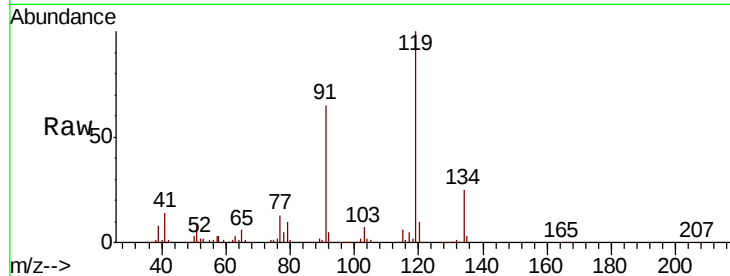
#79
tert-butylbenzene
Concen: 22.781 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampled :
ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
119	100	453461		
91	64.5	0.0	131.6	
134	24.4	0.0	46.2	

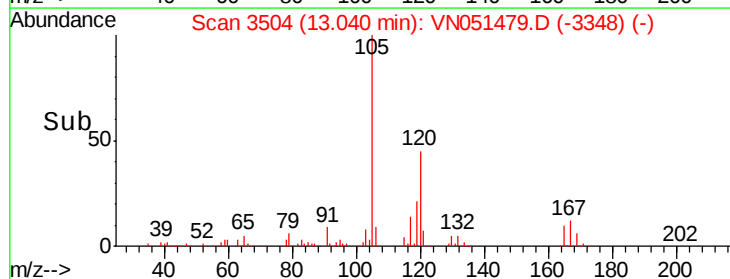
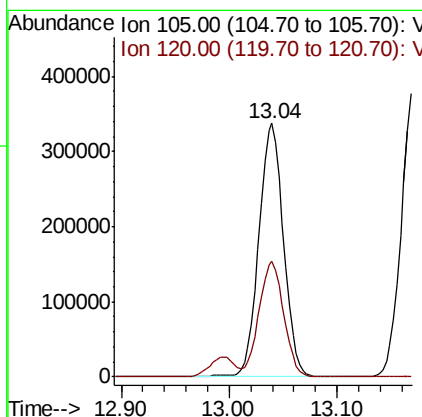
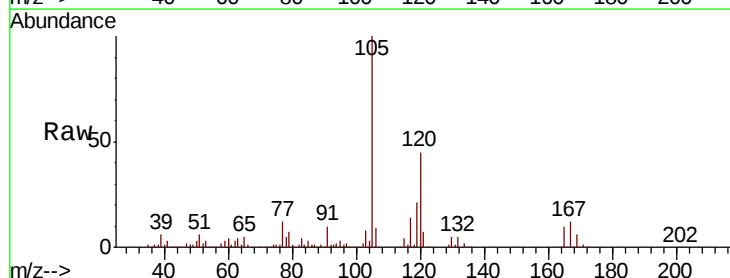
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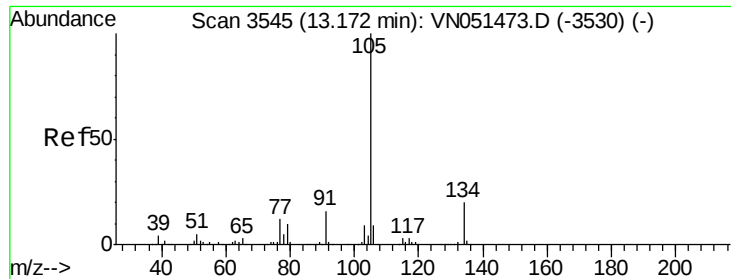
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 23.285 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	535165		
120	45.5	0.0	89.6	





#81

sec-Butylbenzene

Concen: 22.867 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

ICVVN092518

Tot Ion:105 Resp: 626151

Ion Ratio Lower Upper

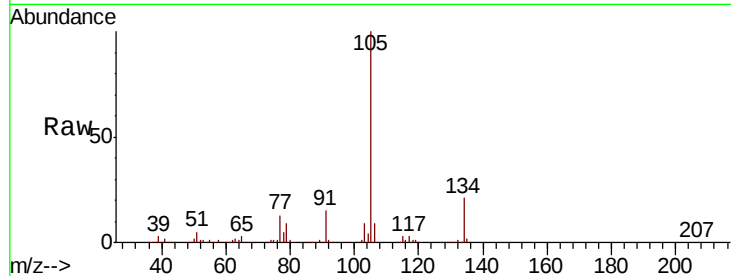
105 100

134 20.4 0.0 39.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

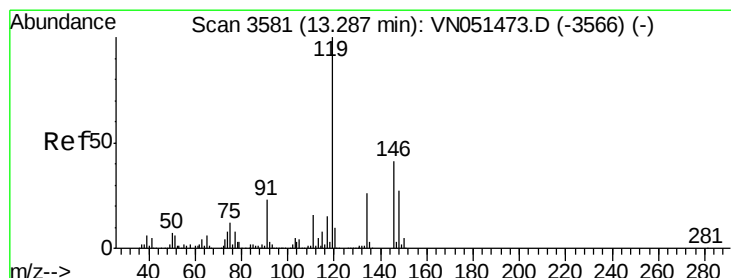
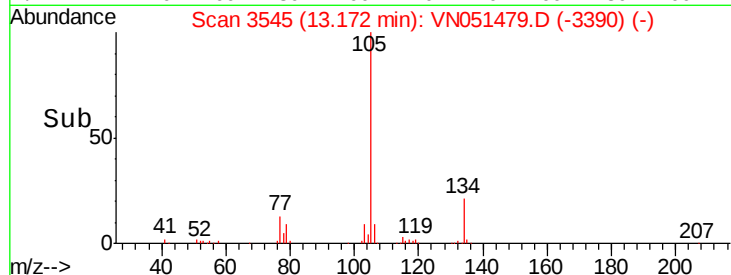
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 22.480 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051479.D

Acq: 25 Sep 2018 12:09

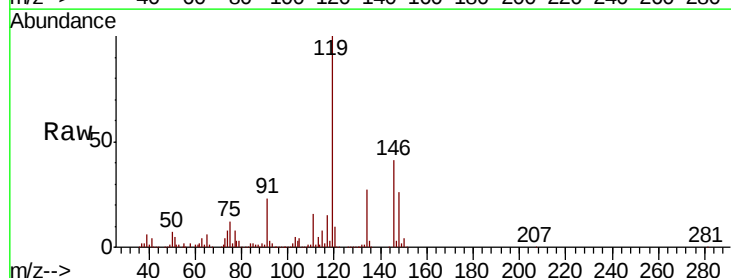
Tgt Ion:119 Resp: 531385

Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.6

91 23.4 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

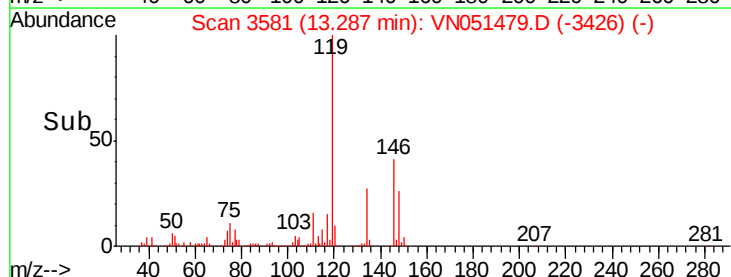
300000

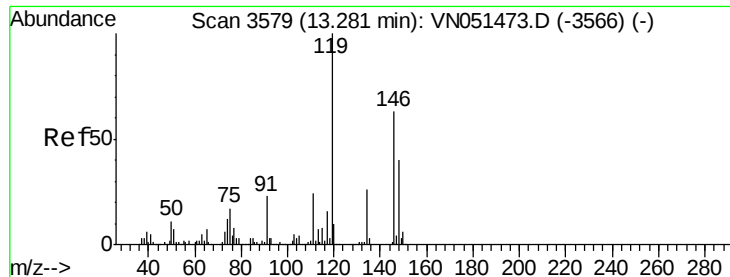
200000

100000

0

Time-->





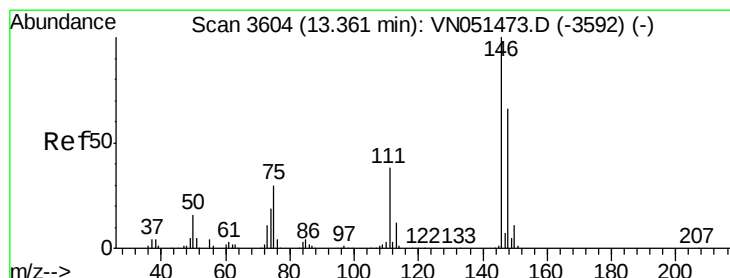
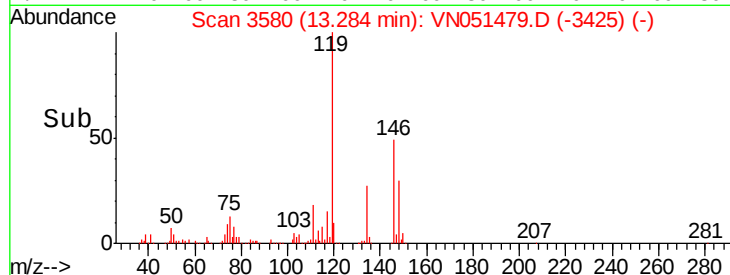
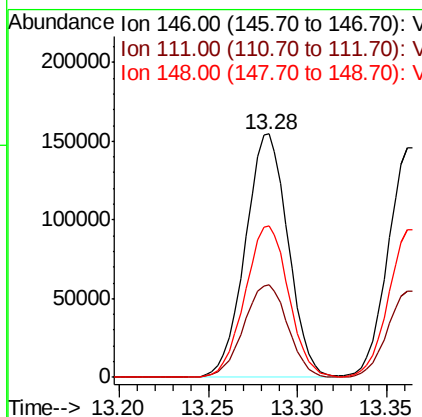
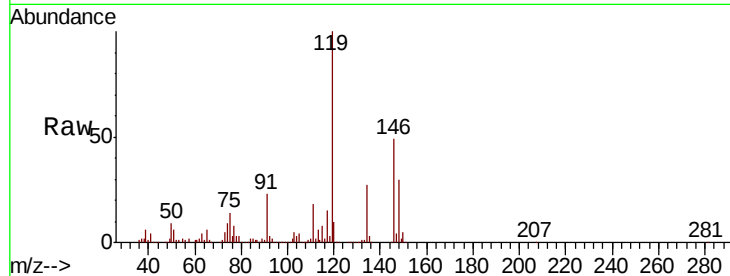
#83
 1,3-Dichlorobenzene
 Concen: 21.176 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
146	100	259367		
111	39.2	18.1	54.3	
148	63.3	31.3	93.8	

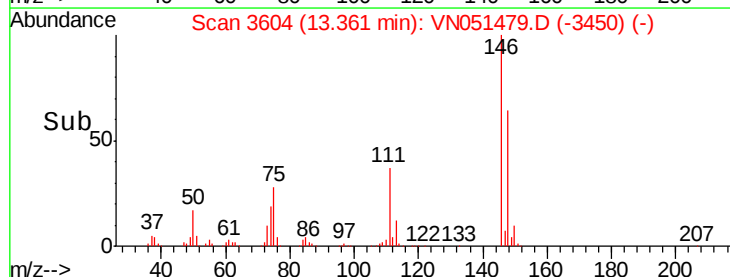
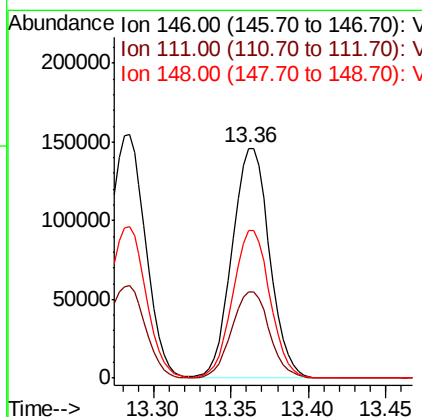
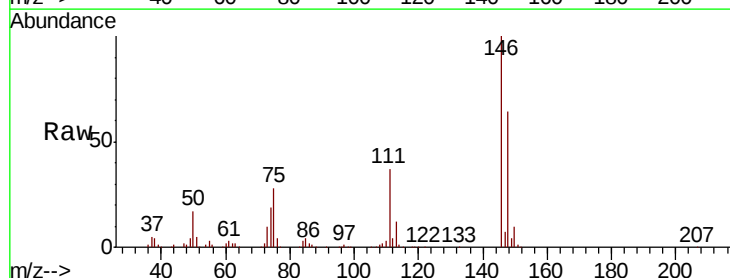
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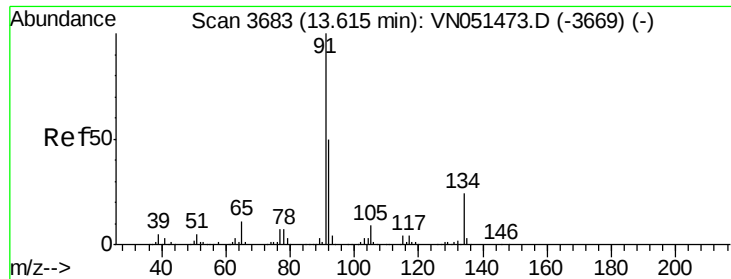
MMDadoda
 10/1/2018 11:21:31 AM



#84
 1,4-Dichlorobenzene
 Concen: 21.364 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	245752		
111	37.9	17.4	52.2	
148	64.0	32.8	98.3	





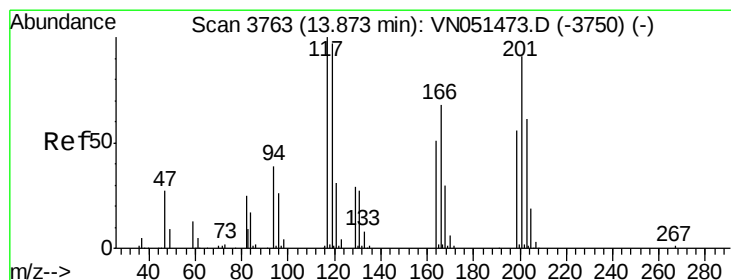
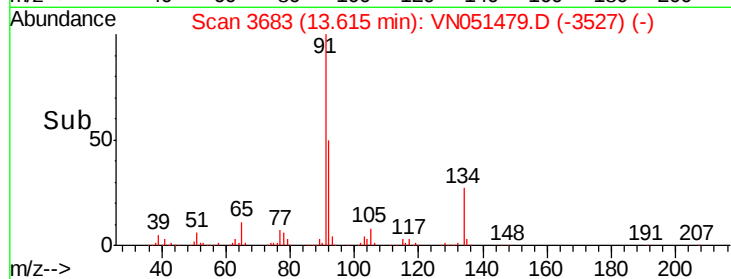
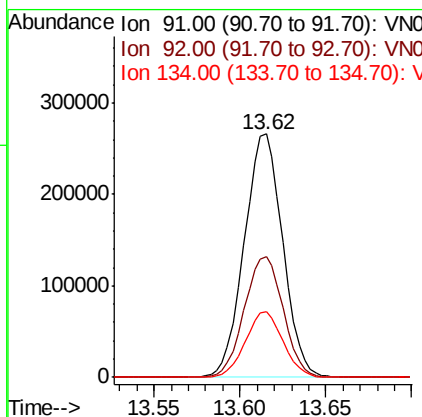
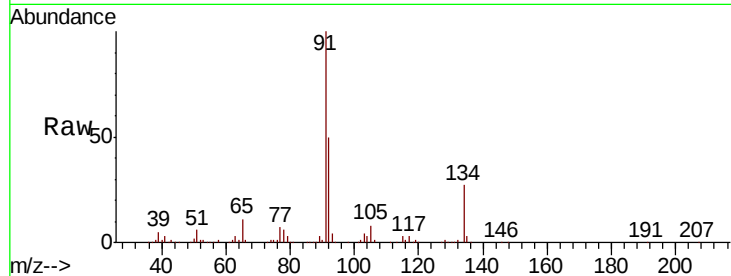
#85
n-Butylbenzene
Concen: 21.233 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
91	100	412086		
92	50.3	0.0	97.4	
134	26.4	0.0	49.6	

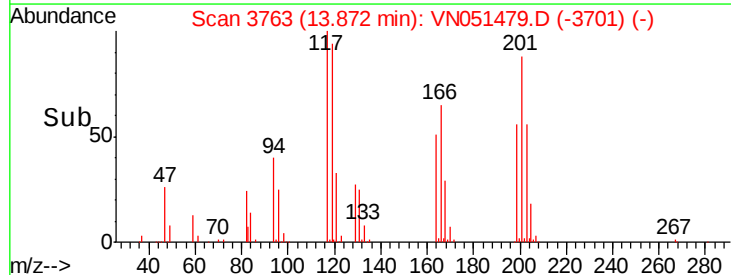
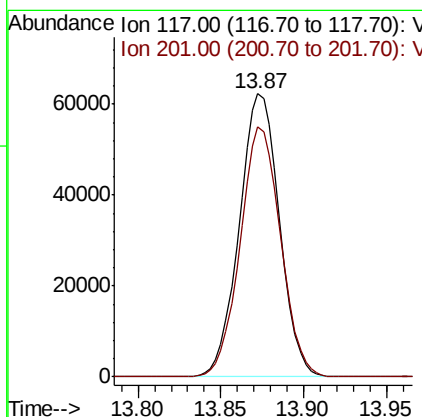
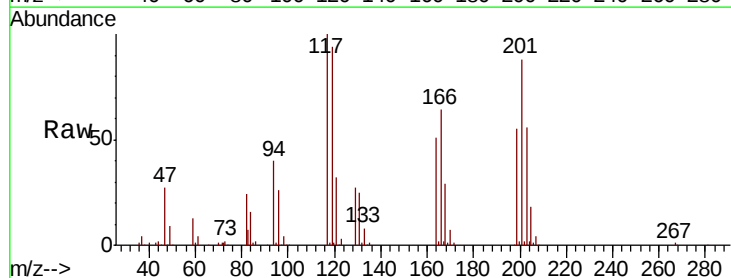
Manual Integrations
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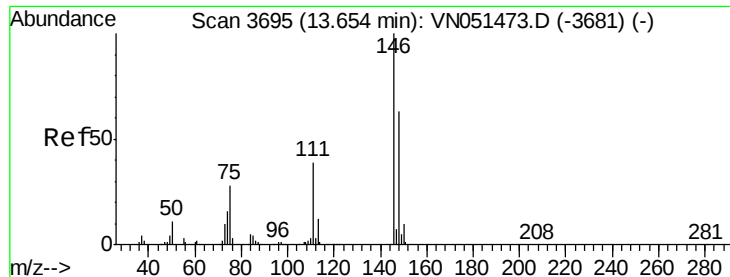
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#86
Hexachloroethane
Concen: 22.140 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	104869		
201	89.1	47.8	143.3	





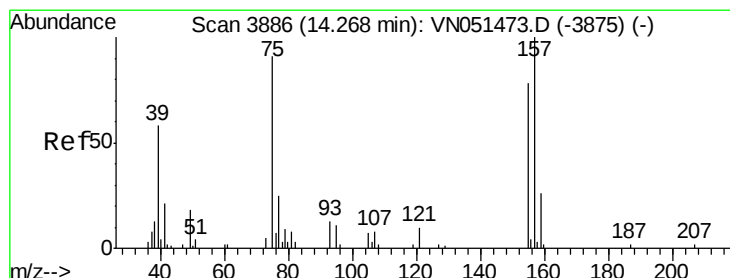
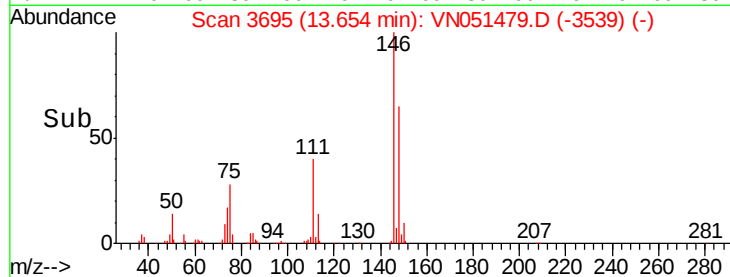
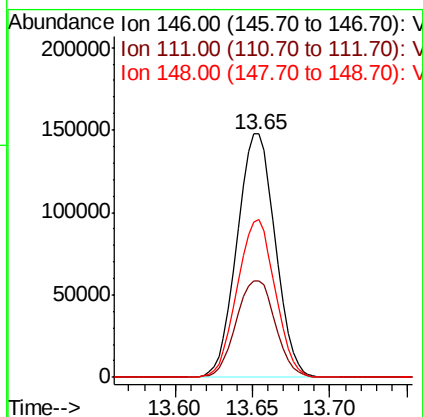
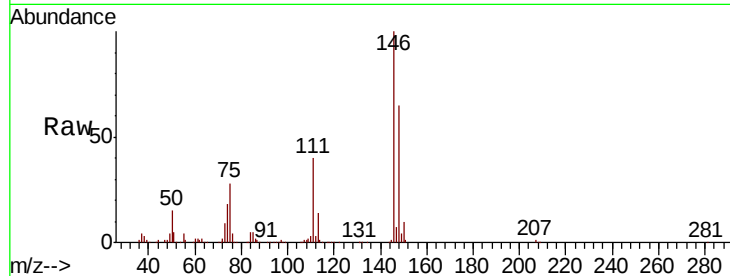
#87
 1,2-Dichlorobenzene
 Concen: 21.835 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion:	146	Resp:	253522
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.8	62.2
148	64.5	33.2	99.6

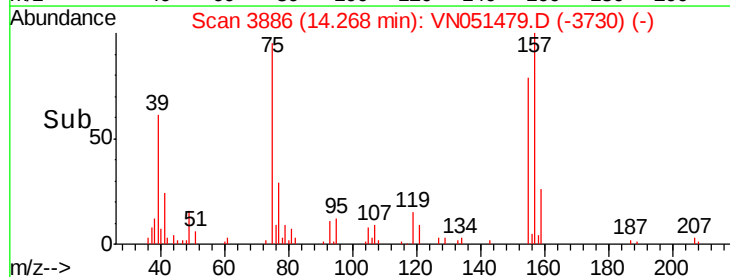
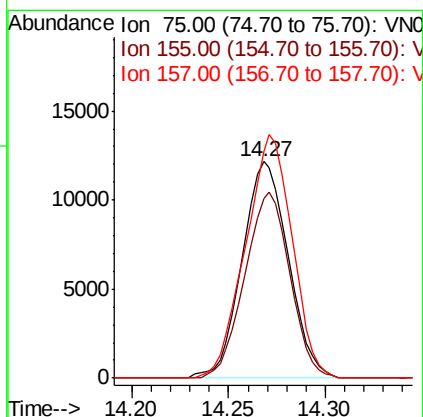
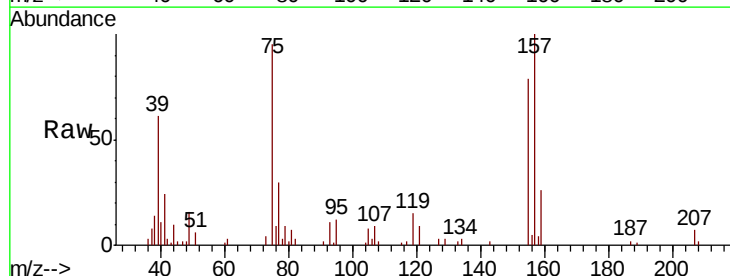
Manual Integrations
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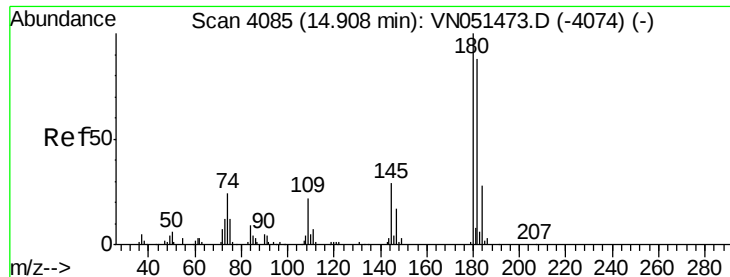
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.060 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion:	75	Resp:	20273
Ion Ratio	Lower	Upper	
75	100		
155	83.7	57.0	85.6
157	113.5	87.4	131.0





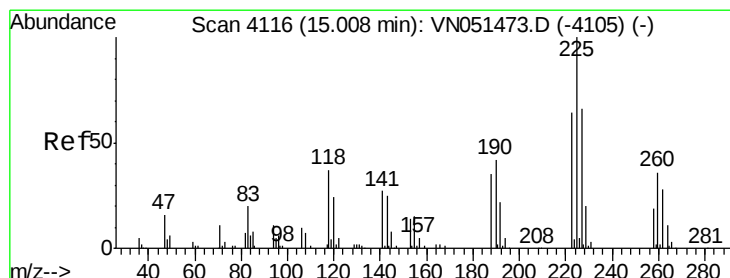
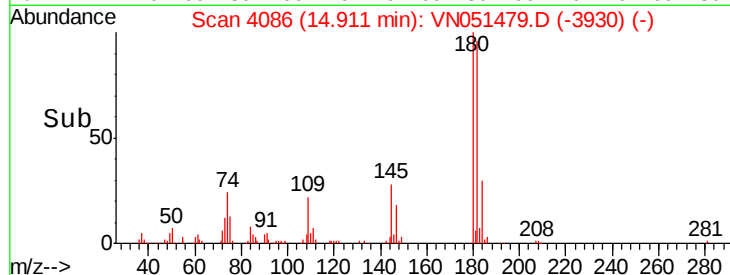
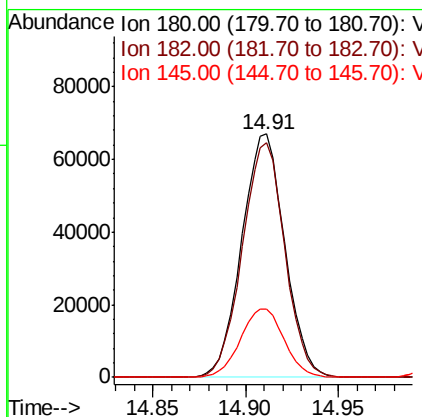
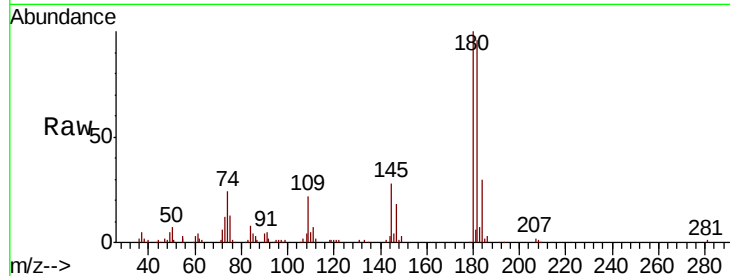
#89
 1,2,4-Trichlorobenzene
 Concen: 18.745 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN092518

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108412		
182	95.2	77.7	116.5	
145	28.5	23.4	35.2	

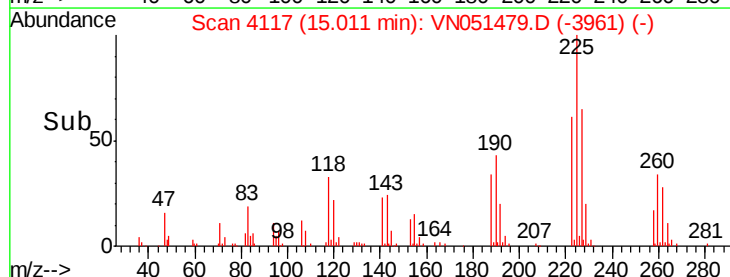
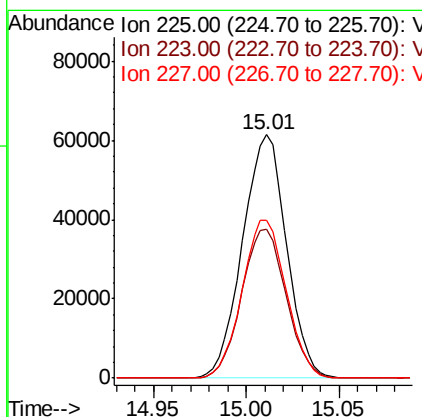
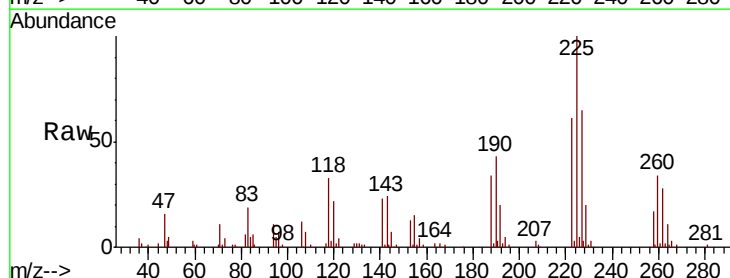
Manual Integrations
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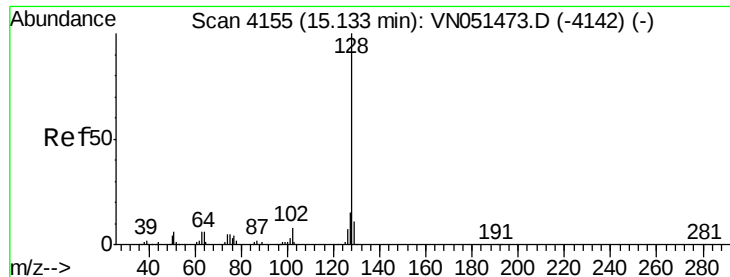
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#90
 Hexachlorobutadiene
 Concen: 22.533 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051479.D
 Acq: 25 Sep 2018 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101000		
223	61.9	0.0	117.0	
227	65.1	0.0	127.0	





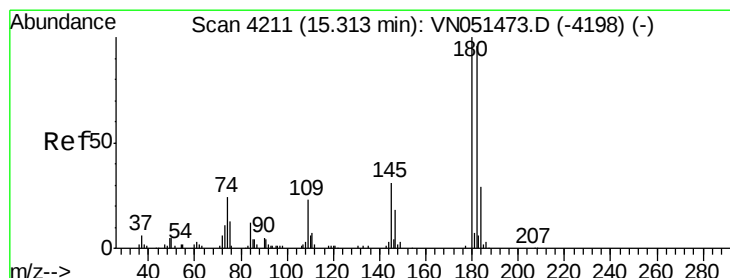
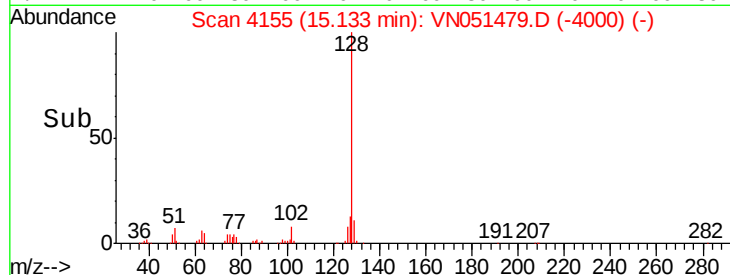
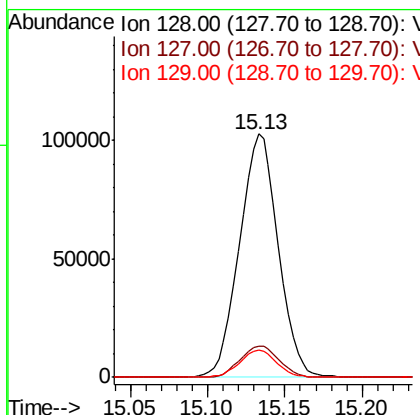
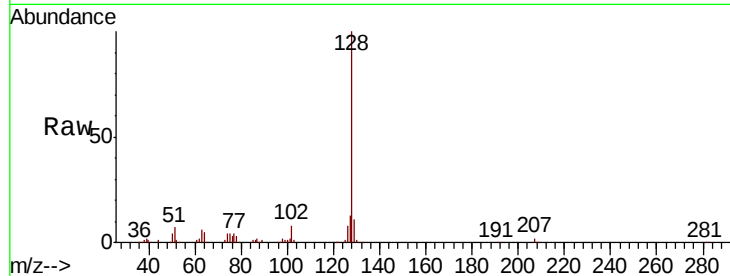
#91
Naphthalene
Concen: 16.389 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Instrument :
MSVOA_N
ClientSampleId :
ICVVN092518

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		178854		
127	12.9		10.1	15.1	
129	10.8		8.4	12.6	

Manual Integrations
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MMDadoda
10/1/2018 11:21:31 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.789 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051479.D
Acq: 25 Sep 2018 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		109696		
182	95.7		0.0	198.0	
145	30.2		0.0	36.8	

