

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050206.D
 Acq On : 31 Jul 2018 10:26
 Operator : MD\SY
 Sample : VN0731WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/1/2018 11:13:59 AM

Quant Time: Jul 31 17:55:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125165	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	655278	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	573129	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257767	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	12.40	95	253800	28.82	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.07%
63) Toluene-d8	10.09	98	820376	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	158436	18.369	ug/l 98
3) Chloromethane	2.06	50	155766	17.516	ug/l 99
4) Vinyl Chloride	2.18	62	167142	17.653	ug/l 97
5) Bromomethane	2.56	94	56944	9.866	ug/l 98
6) Chloroethane	2.70	64	99955	17.851	ug/l 99
7) Trichlorofluoromethane	3.01	101	224635	18.157	ug/l 99
8) Diethyl Ether	3.41	74	80340	19.359	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	138345	18.381	ug/l 98
10) 1,1-Dichloroethene	3.73	96	118332	17.732	ug/l 98
11) Methyl Iodide	3.95	142	59472	6.057	ug/l 97
12) Methyl Acetate	4.33	43	175728	22.988	ug/l 97
13) Acrolein	3.61	56	16836	35.637	ug/l 96
14) Acrylonitrile	4.99	53	249730	97.902	ug/l 99
15) Acetone	3.82	58	65758	97.001	ug/l 98
16) Carbon Disulfide	4.05	76	336765	16.490	ug/l 100
17) Allyl chloride	4.33	41	196115	18.609	ug/l 99
18) Methylene Chloride	4.55	84	149890	19.465	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	129539	18.131	ug/l 97
20) Diisopropyl ether	5.96	45	440390	20.379	ug/l 99
21) 1,1-Dichloroethane	5.85	63	259054	19.065	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	152763	19.280	ug/l 100
23) tert-Butyl Alcohol	4.80	59	56645	99.381	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	363375	19.966	ug/l 99
25) Chloroform	7.37	83	267870	19.474	ug/l 99
26) Cyclohexane	7.65	56	192376	17.817	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	184690	18.161	ug/l 98
30) 2-Butanone	6.84	43	299789	93.944	ug/l 99
31) 2,2-Dichloropropane	6.83	77	204578	18.199	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	224348	18.743	ug/l 100
33) Carbon Tetrachloride	7.77	117	194730	18.250	ug/l 99
34) Benzene	8.04	78	588772	19.064	ug/l 100
35) Methacrylonitrile	7.18	41	68270	18.790	ug/l 97
36) 1,2-Dichloroethane	8.13	62	195840	19.313	ug/l 99
37) Trichloroethene	8.83	130	149219	18.422	ug/l 97
38) Methylcyclohexane	9.08	83	179424	16.736	ug/l 99
39) 1,2-Dichloropropane	9.12	63	158524	19.485	ug/l 99
40) Dibromomethane	9.21	93	101453	20.176	ug/l 96

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

41) Bromodichloromethane	9.40	83	208067	19.617	ug/l	100
42) Vinyl Acetate	5.90	43	1406972	93.694	ug/l	99
43) Ethyl Acetate	6.93	43	128918	19.347	ug/l #	91
44) Isopropyl Acetate	8.17	43	253849	20.565	ug/l	94
45) 1,4-Dioxane	9.20	88	31829	391.841	ug/l	95
46) Methyl methacrylate	9.20	41	114665	19.162	ug/l	98
47) n-amyl Acetate	12.07	43	171561	17.861	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	194202	19.209	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	227016	19.110	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	142377	19.726	ug/l	97
51) Ethyl methacrylate	10.43	69	165124	18.849	ug/l	99
52) 1,3-Dichloropropane	10.71	76	234267	19.765	ug/l	99
53) Dibromochloromethane	10.90	129	156600	19.118	ug/l	99
54) 1,2-Dibromoethane	11.01	107	136581	19.321	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	359018	90.550	ug/l	100
56) Bromoform	12.13	173	106612	18.433	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	677585	101.604	ug/l	100
59) 2-Hexanone	10.75	43	439472	96.594	ug/l	99
61) Tetrachloroethene	10.63	164	140800	18.137	ug/l	97
62) Toluene	10.16	91	622990	19.052	ug/l	99
64) Chlorobenzene	11.43	112	380581	19.193	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	151015	19.526	ug/l	99
66) Ethyl Benzene	11.51	91	616179	18.439	ug/l	100
67) m/p-Xylenes	11.62	106	483312	37.583	ug/l	99
68) o-Xylene	11.95	106	232647	19.014	ug/l	100
69) Styrene	11.96	104	367676	18.745	ug/l	99
70) Isopropylbenzene	12.25	105	607419	18.640	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	176664	19.746	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	148461m	19.428	ug/l	
73) Bromobenzene	12.53	156	160941	18.540	ug/l	96
74) n-propylbenzene	12.59	91	687509	18.115	ug/l	99
75) 2-Chlorotoluene	12.68	91	426144	18.694	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	499355	18.657	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	43001	17.212	ug/l	94
78) 4-Chlorotoluene	12.77	91	420759	18.627	ug/l	99
79) tert-butylbenzene	12.99	119	416270	18.191	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	509660	18.795	ug/l	100
81) sec-Butylbenzene	13.17	105	565454	18.190	ug/l	99
82) p-Isopropyltoluene	13.29	119	475324	17.921	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	272140	18.004	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	255463	17.885	ug/l	99
85) n-Butylbenzene	13.62	91	358591	16.659	ug/l	99
86) Hexachloroethane	13.88	117	93529	17.646	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	274717	18.594	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26745	19.189	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	110694	15.686	ug/l	99
90) Hexachlorobutadiene	15.01	225	81946	17.612	ug/l	97
91) Naphthalene	15.13	128	229632	18.022	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	117343	16.350	ug/l	98

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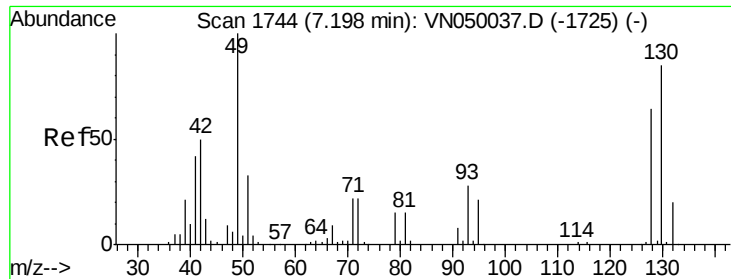
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+)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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

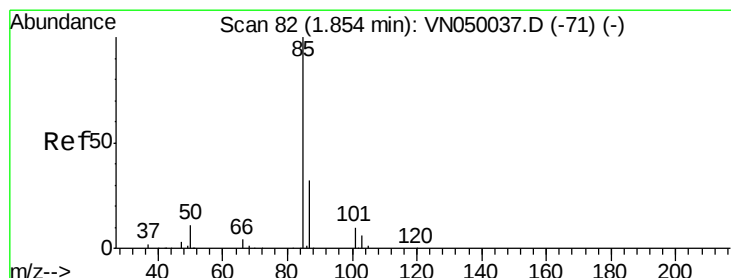
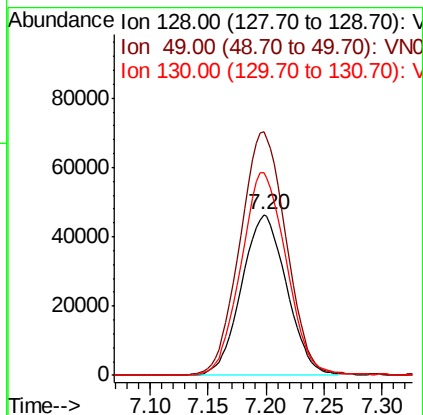
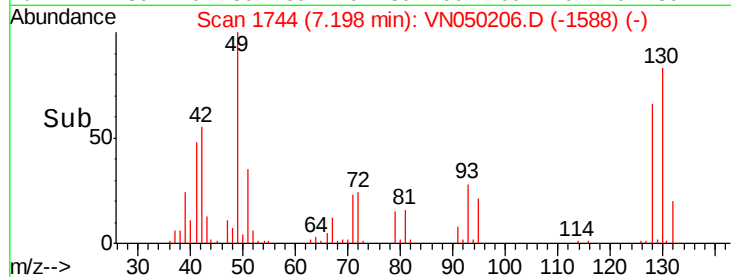
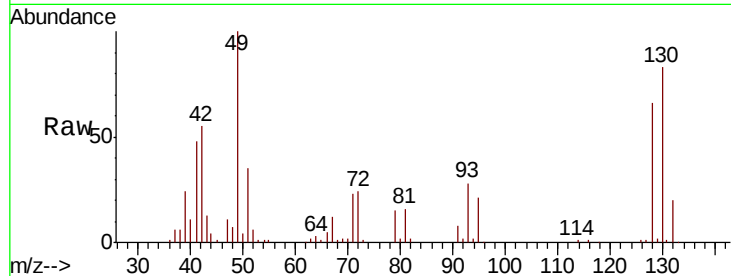
ClientSampleId :

VN0731WBSD01

Tot Ion:	128	Resp:	125165
Ion	Ratio	Lower	Upper
128	100		
49	155.6	0.0	378.3
130	127.5	0.0	320.7

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#2

Dichlorodifluoromethane

Concen: 18.369 ug/l

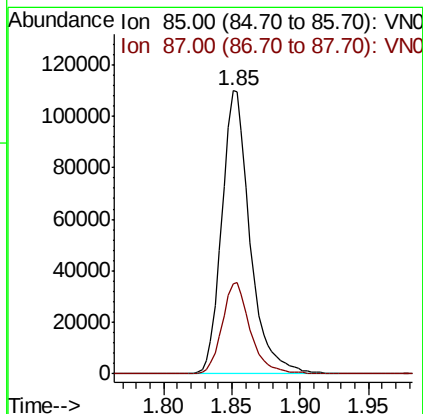
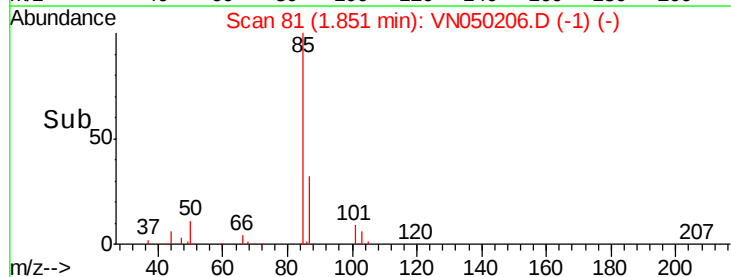
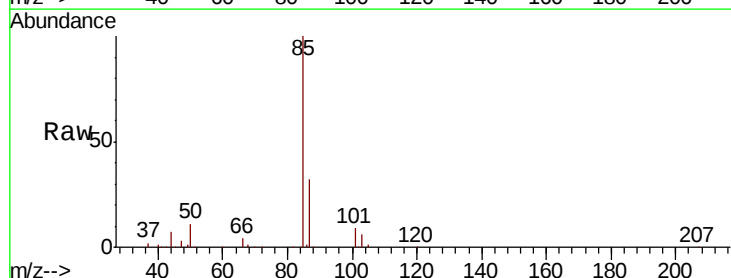
RT: 1.85 min Scan# 81

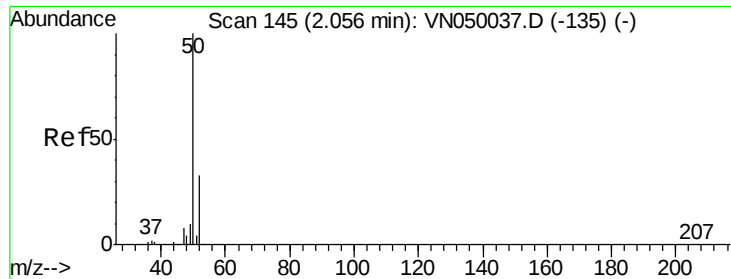
Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	85	Resp:	158436
Ion	Ratio	Lower	Upper
85	100		
87	32.1	15.4	46.4





#3

Chloromethane

Concen: 17.516 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 50 Resp: 155766

Ion Ratio Lower Upper

50 100

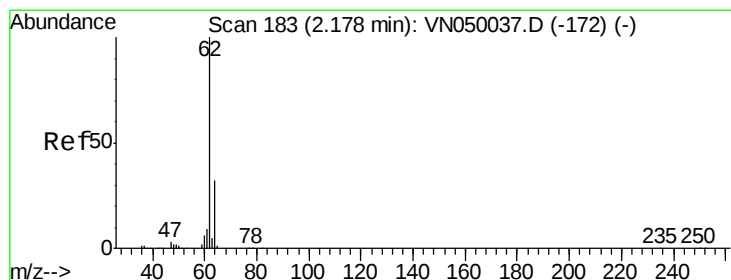
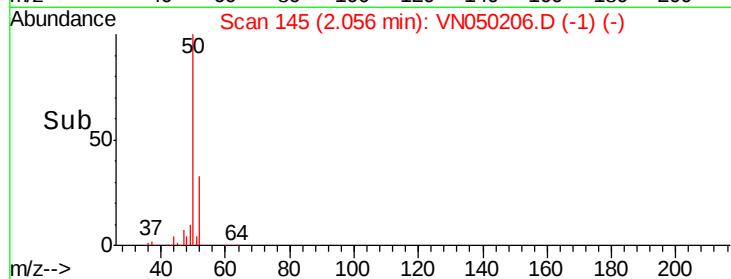
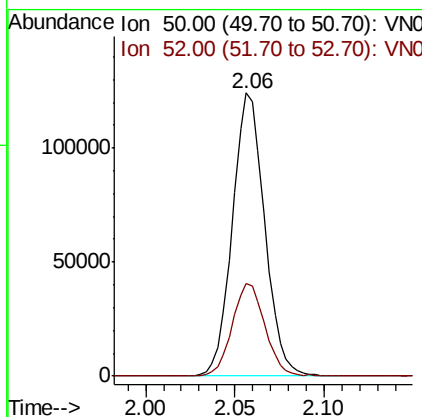
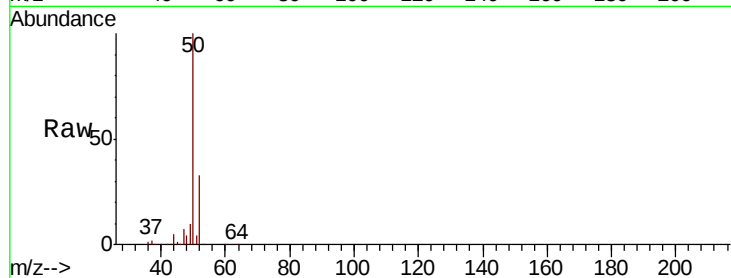
52 32.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.653 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050206.D

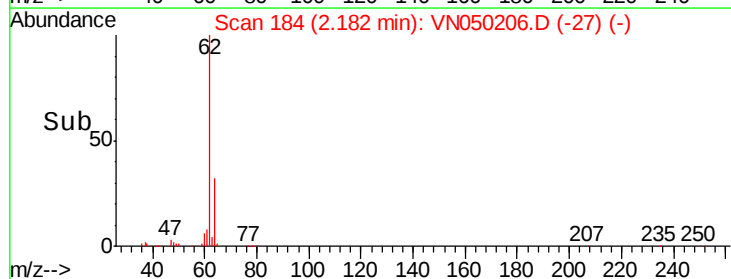
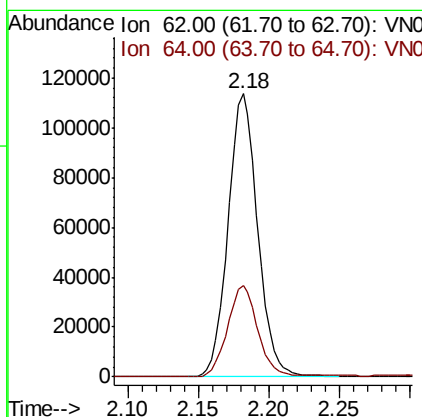
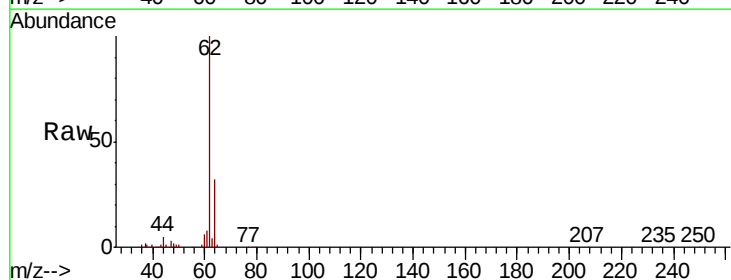
Acq: 31 Jul 2018 10:26

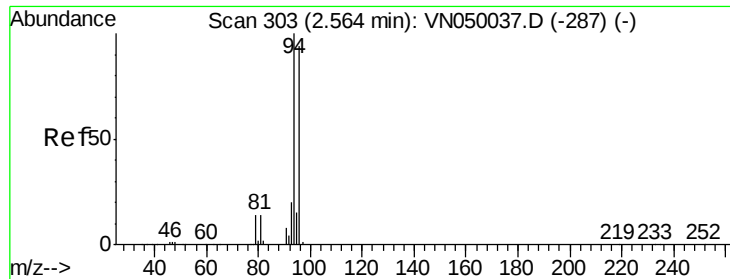
Tgt Ion: 62 Resp: 167142

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 9.866 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 94 Resp: 56944

Ion Ratio Lower Upper

94 100

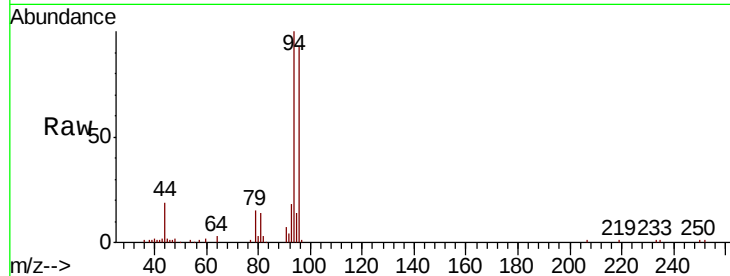
96 93.3 75.9 113.9

Manual Integrations

APPROVED

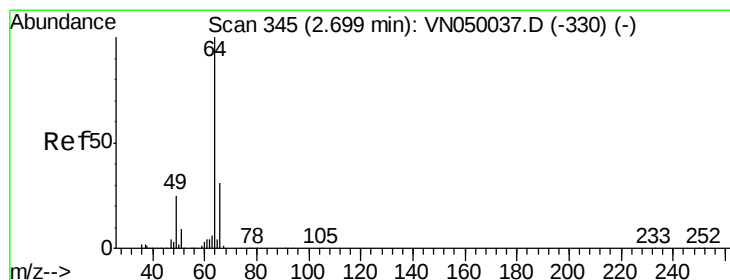
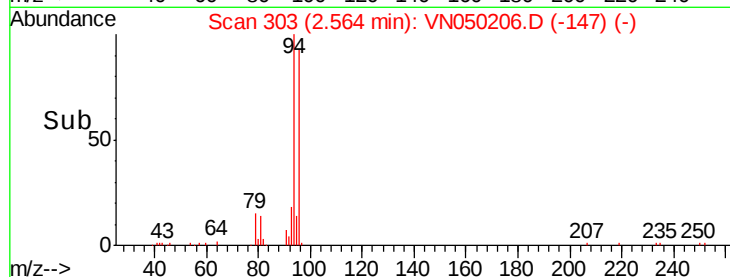
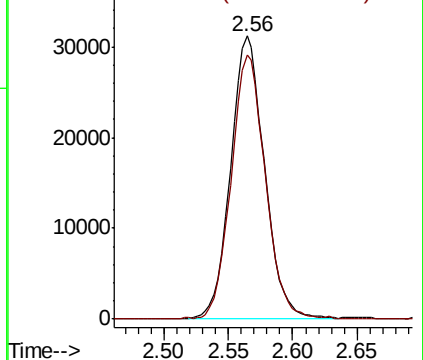
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 17.851 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050206.D

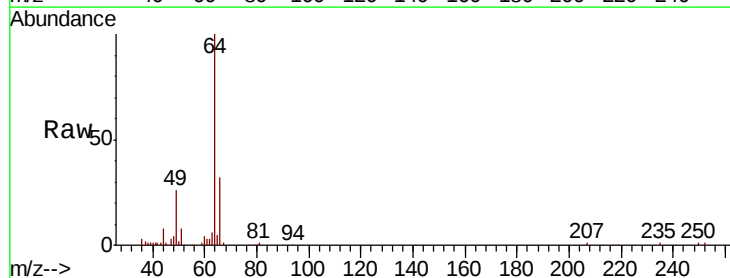
Acq: 31 Jul 2018 10:26

Tgt Ion: 64 Resp: 99955

Ion Ratio Lower Upper

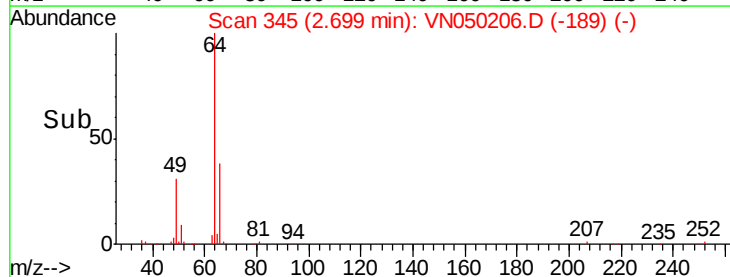
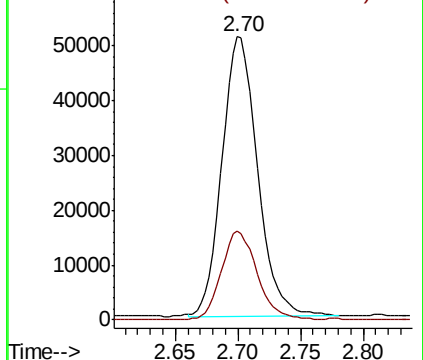
64 100

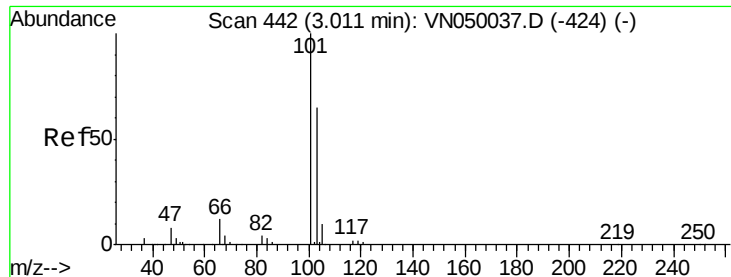
66 31.8 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

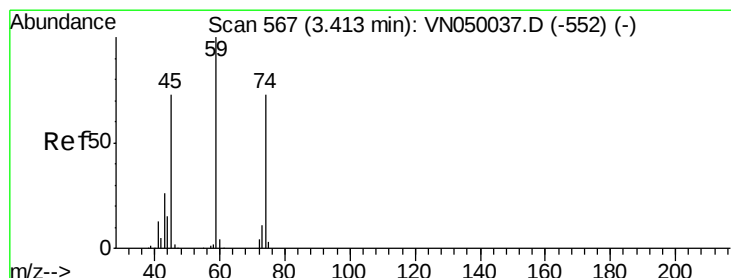
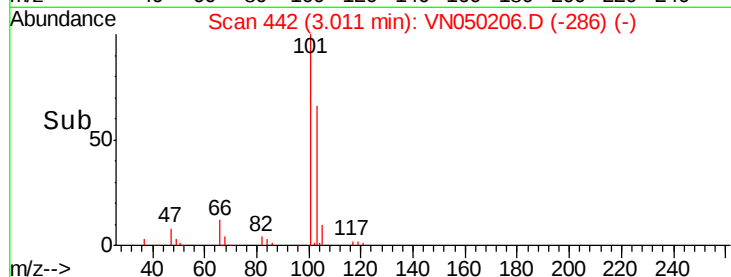
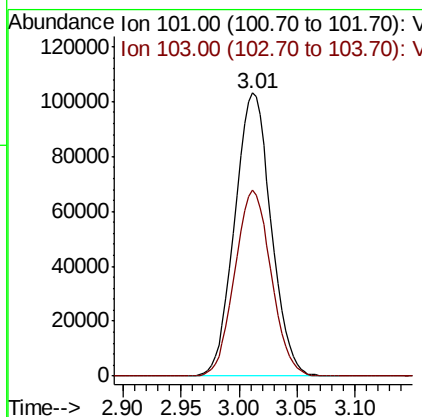
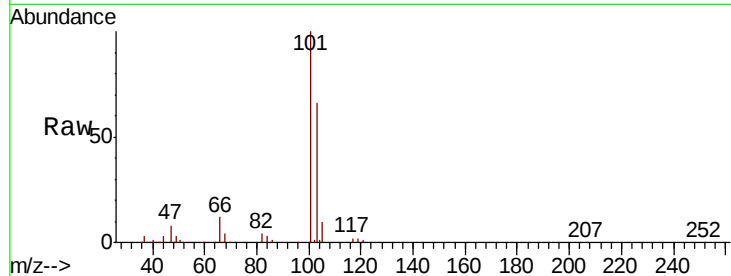
Trichlorofluoromethane
Concen: 18.157 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
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ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.5	77.3

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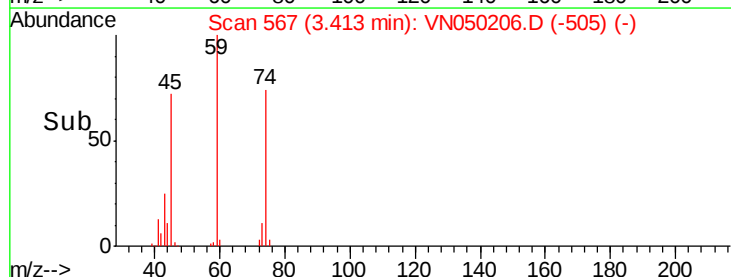
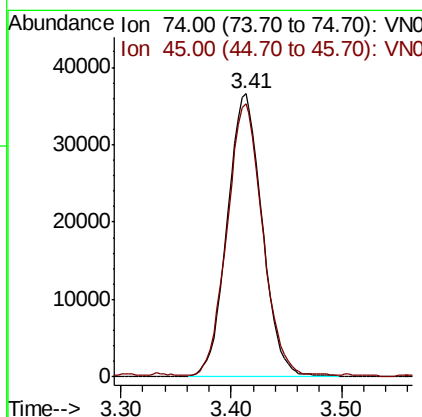
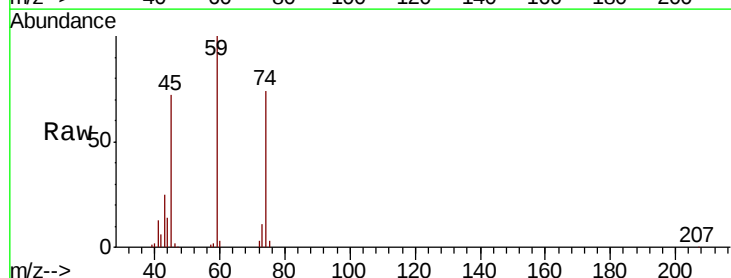
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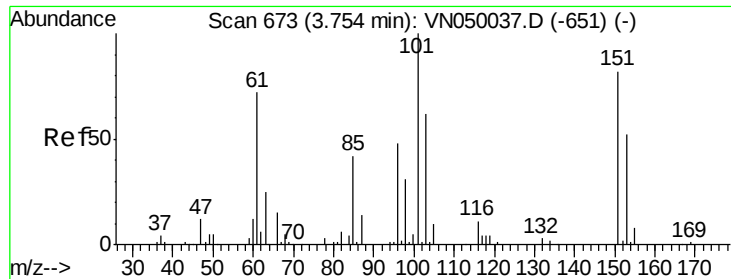


#8

Diethyl Ether
Concen: 19.359 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.7	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.381 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

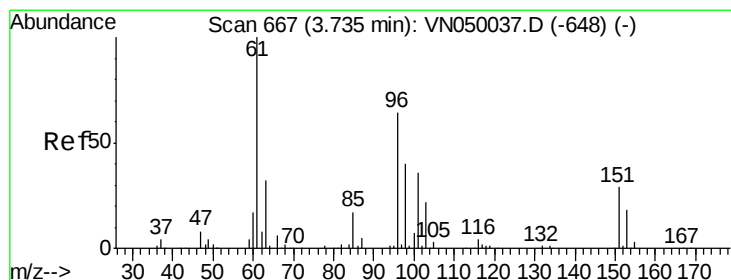
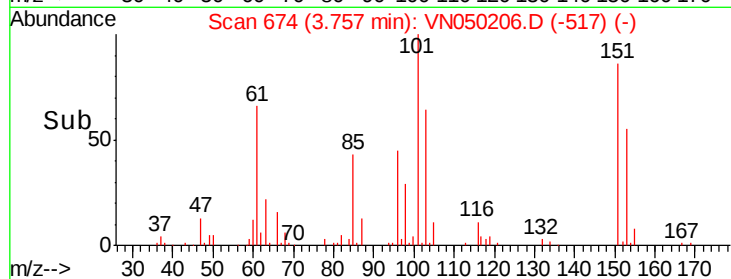
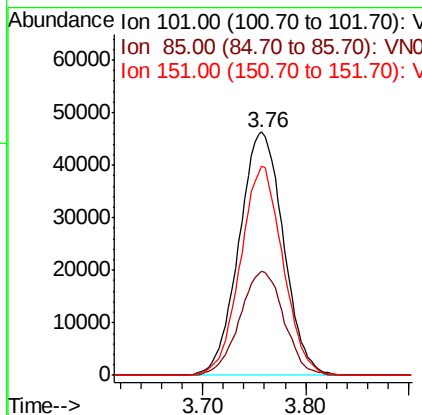
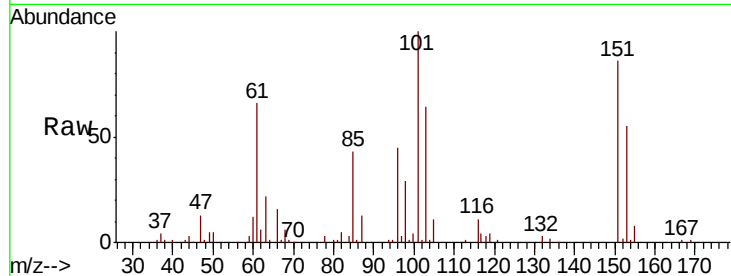
ClientSampleId :

VN0731WBSD01

Tot Ion:	101	Resp:	138345
Ion Ratio	Lower	Upper	
101	100		
85	42.4	0.0	83.0
151	82.0	0.0	166.8

Manual Integrations
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8/1/2018 11:13:59 AM



#10

1,1-Dichloroethene

Concen: 17.732 ug/l

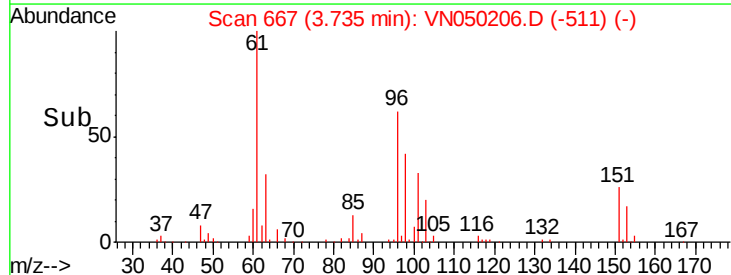
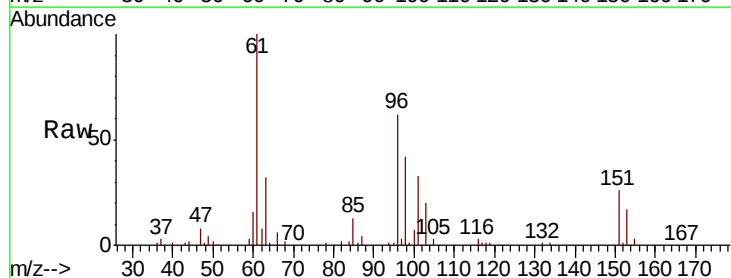
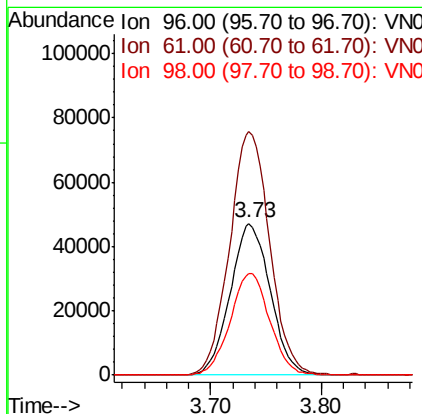
RT: 3.73 min Scan# 667

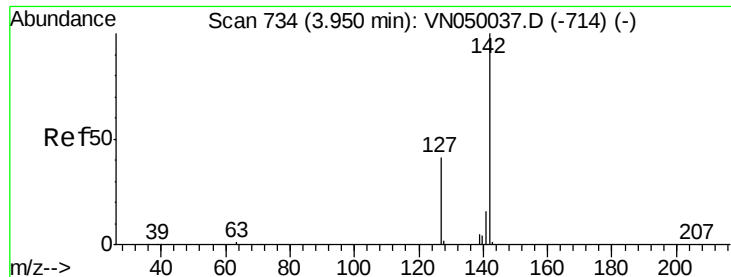
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	96	Resp:	118332
Ion Ratio	Lower	Upper	
96	100		
61	159.6	130.6	195.8
98	66.6	53.5	80.3





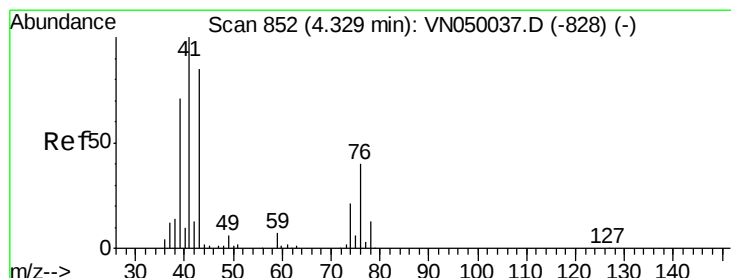
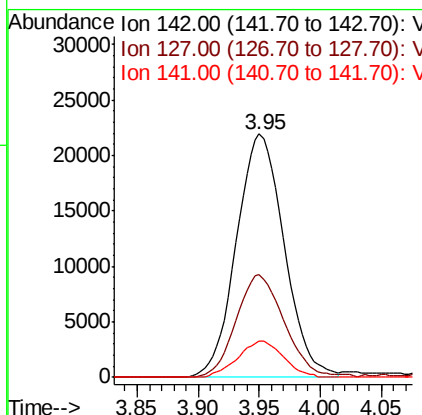
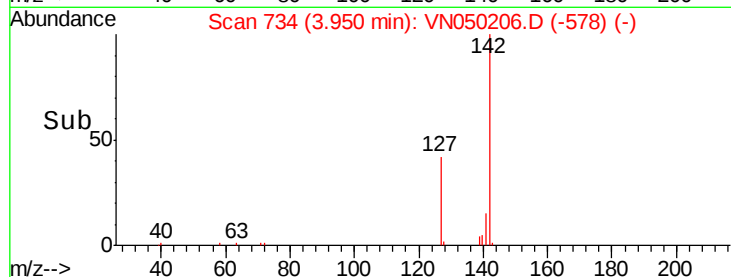
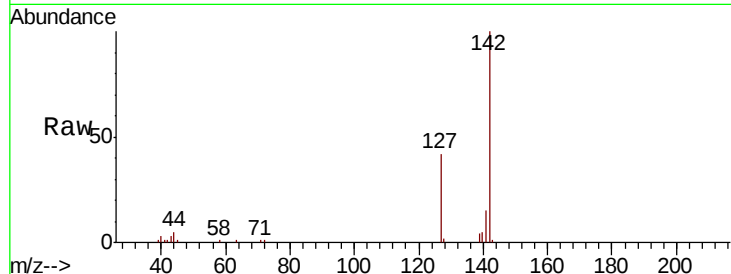
#11
Methyl Iodide
Concen: 6.057 ug/l
RT: 3.95 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.9	20.2	60.5
141	15.1	6.9	20.6

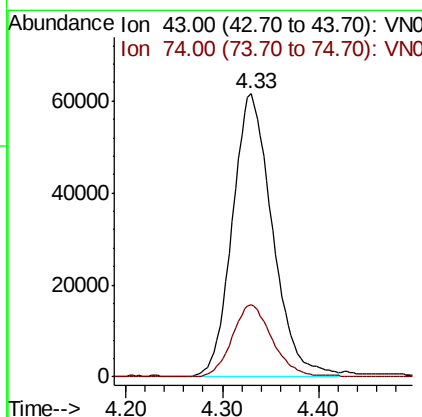
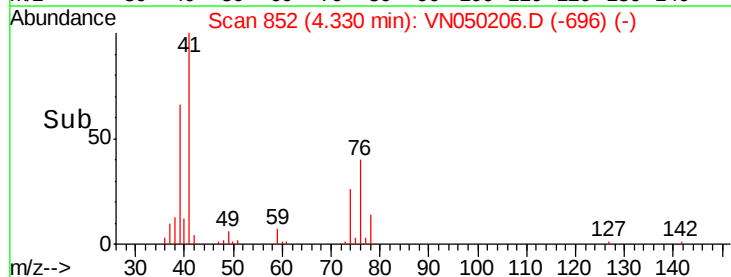
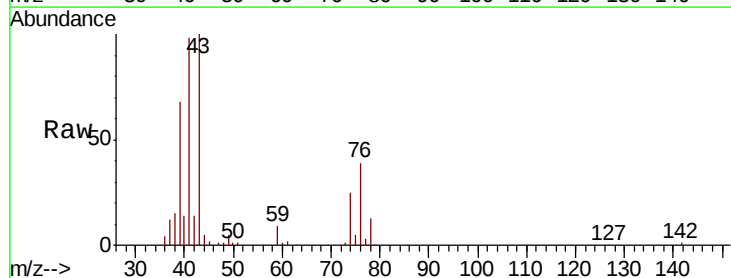
Manual Integrations
APPROVED

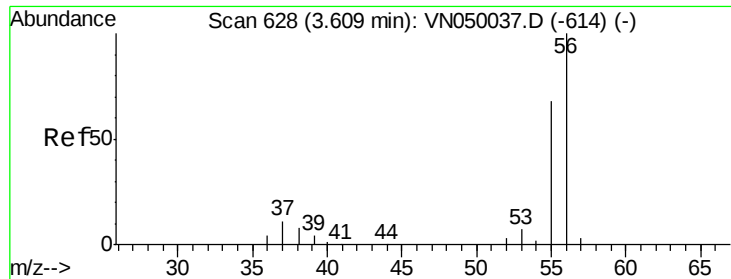
MMDadoda
8/1/2018 11:13:59 AM



#12
Methyl Acetate
Concen: 22.988 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.3	28.9





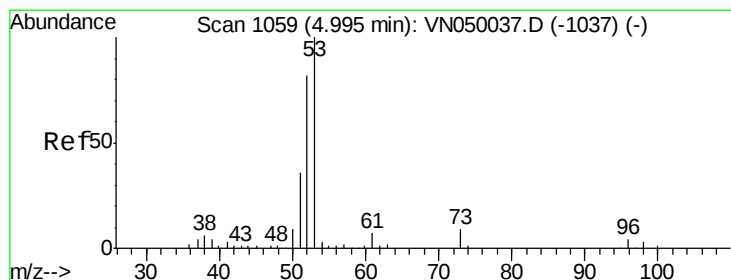
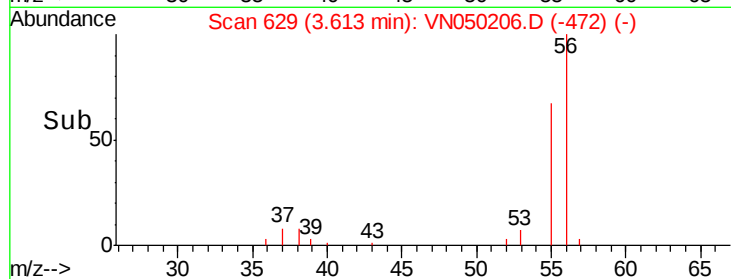
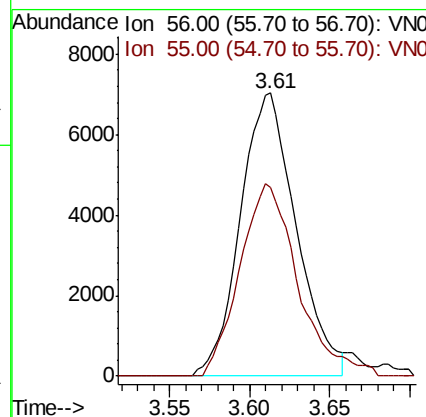
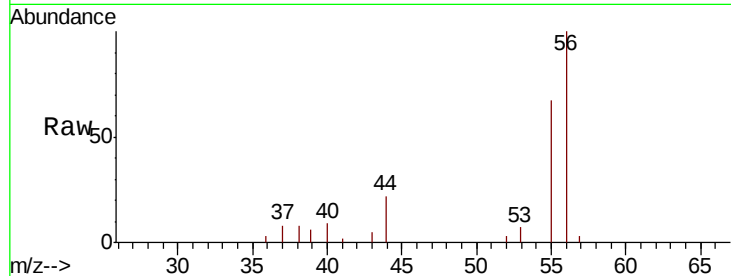
#13
 Acrolein
 Concen: 35.637 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	70.0	58.6	88.0	

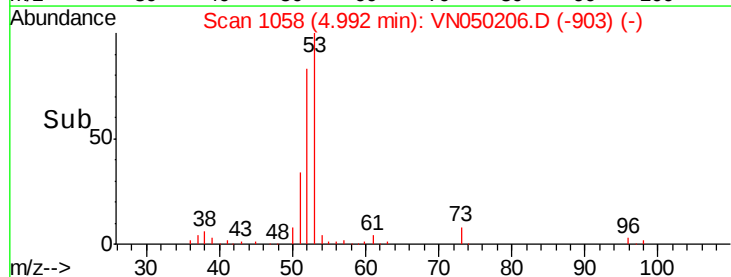
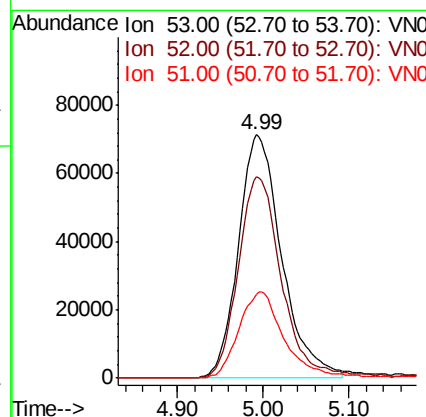
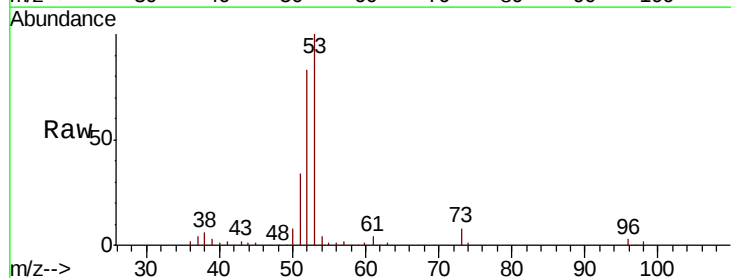
Manual Integrations
 APPROVED

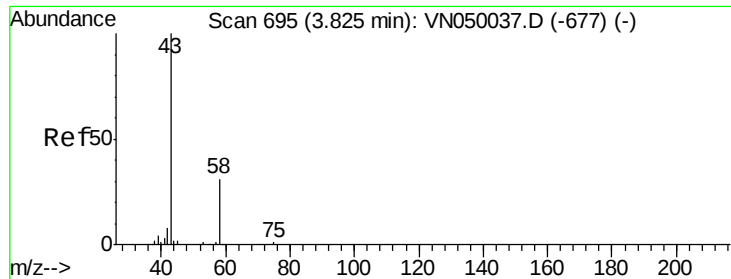
MMDadoda
 8/1/2018 11:13:59 AM



#14
 Acrylonitrile
 Concen: 97.902 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.2	41.5	124.5	
51	36.1	18.7	56.1	





#15

Acetone

Concen: 97.001 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 58 Resp: 65758

Ion Ratio Lower Upper

58 100

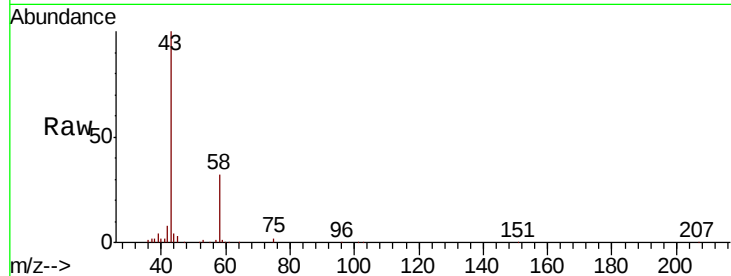
43 310.8 252.0 378.0

Manual Integrations

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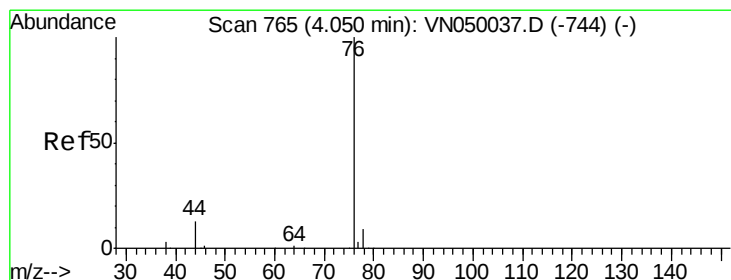
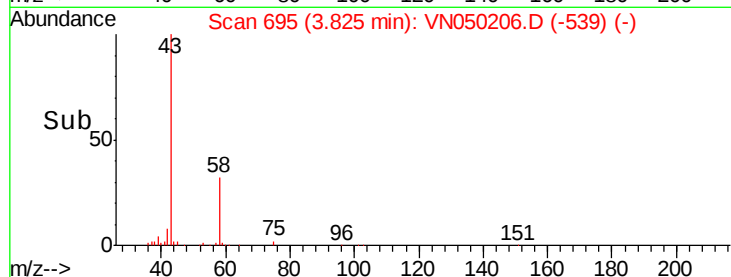
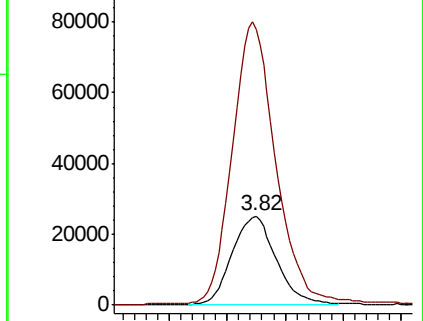
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.490 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050206.D

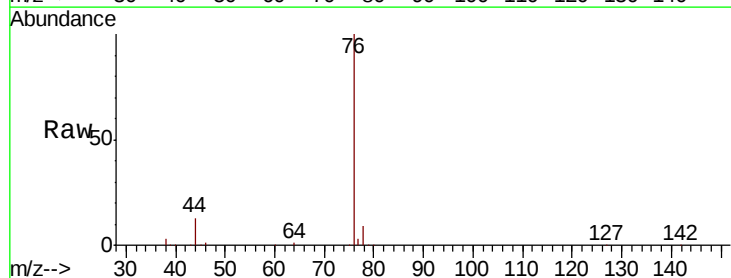
Acq: 31 Jul 2018 10:26

Tgt Ion: 76 Resp: 336765

Ion Ratio Lower Upper

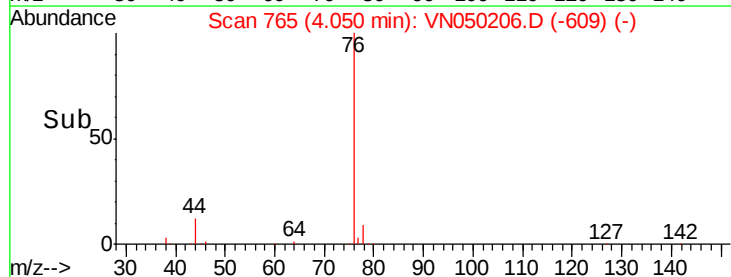
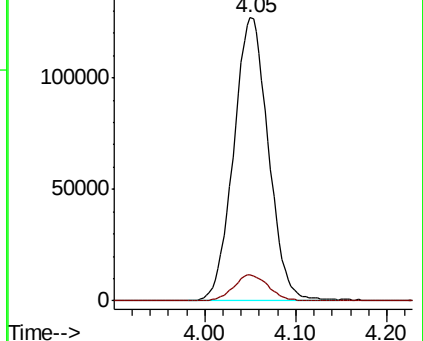
76 100

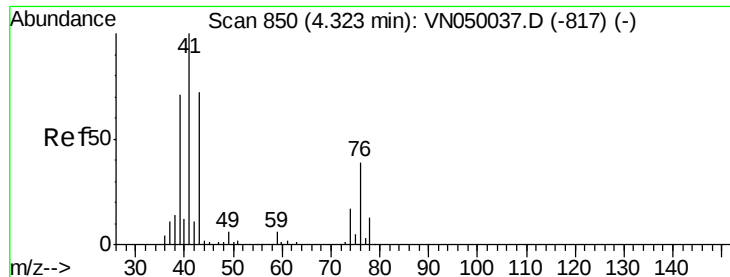
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.609 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

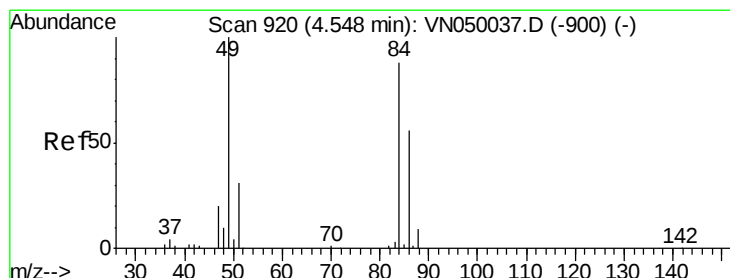
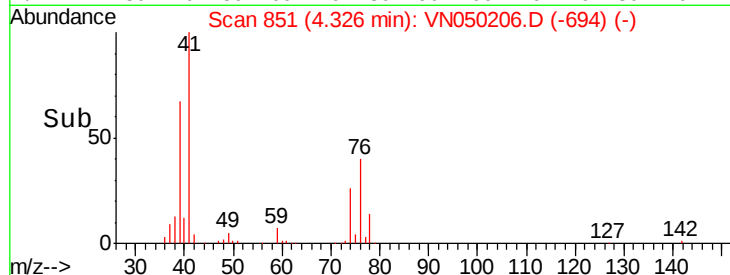
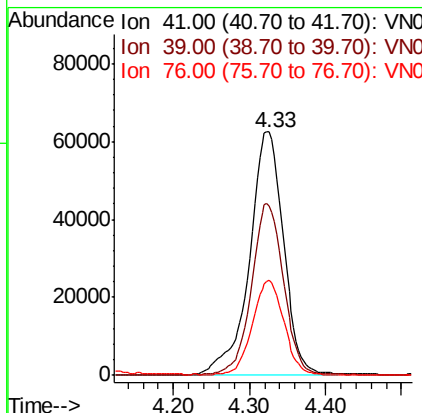
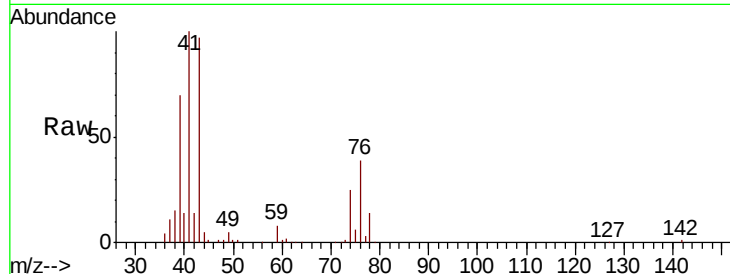
ClientSampled :

VN0731WBSD01

Tot Ion:	41	Resp:	196115
Ion	Ratio	Lower	Upper
41	100		
39	69.6	35.4	106.3
76	39.0	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 19.465 ug/l

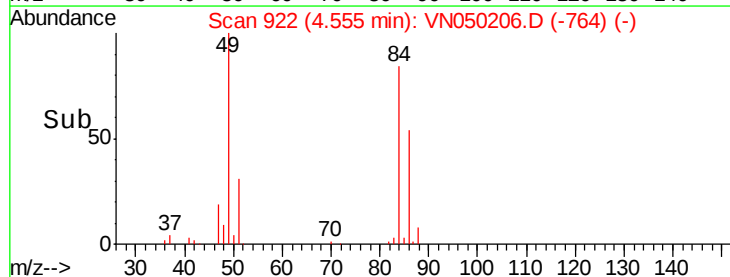
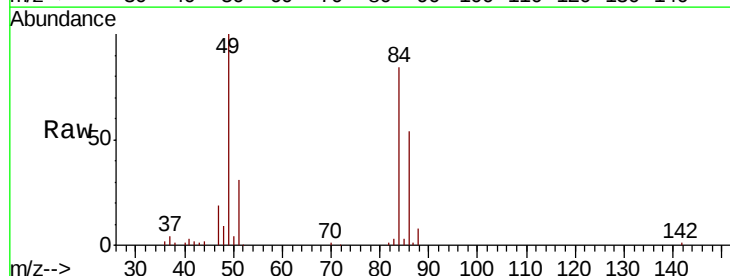
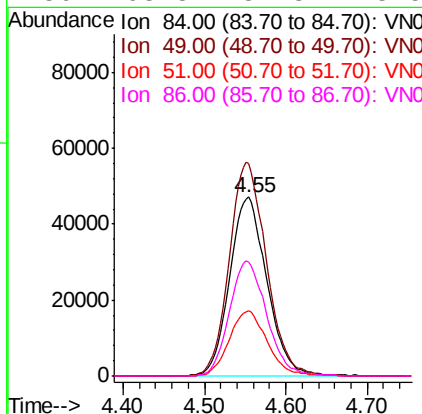
RT: 4.55 min Scan# 922

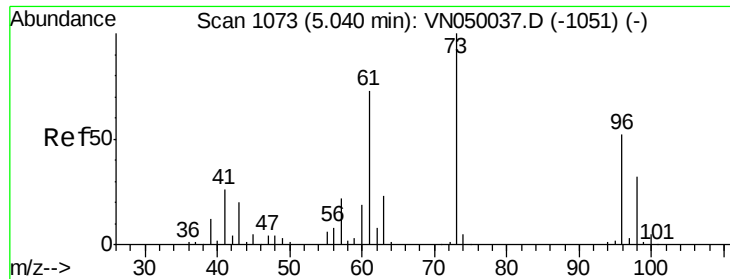
Delta R.T. 0.01 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	84	Resp:	149890
Ion	Ratio	Lower	Upper
84	100		
49	118.2	95.1	142.7
51	36.3	28.8	43.2
86	63.8	52.3	78.5





#19

trans-1,2-Dichloroethene

Concen: 18.131 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

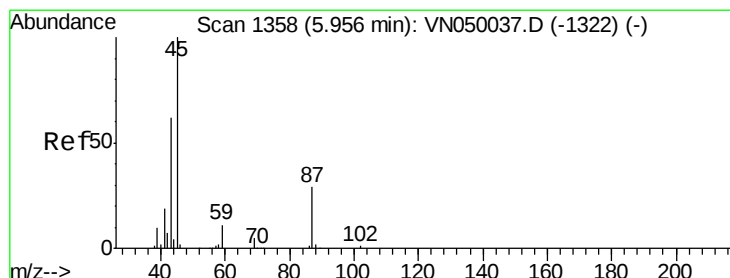
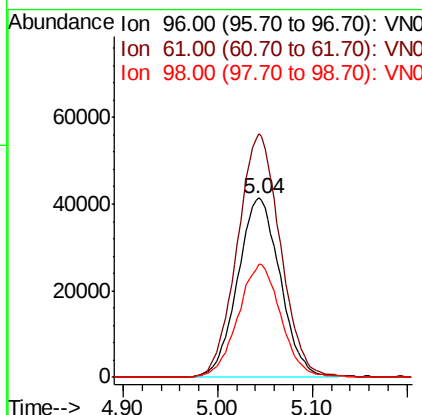
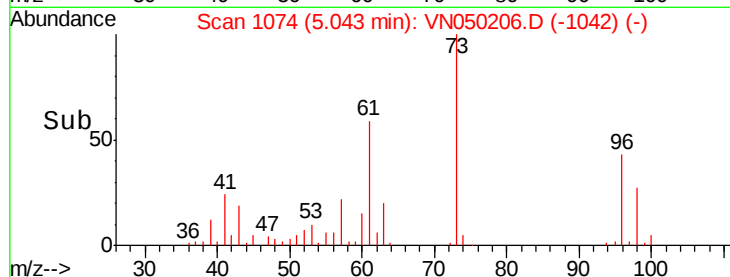
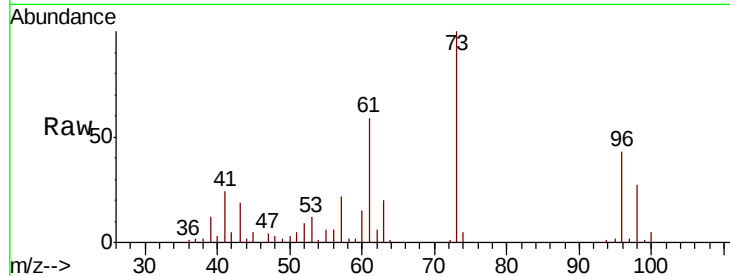
ClientSampled :

VN0731WBSD01

Tot Ion:	96	Resp:	129539
Ion	Ratio	Lower	Upper
96	100		
61	135.6	112.1	168.1
98	62.9	51.3	76.9

Manual Integrations
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#20

Diisopropyl ether

Concen: 20.379 ug/l

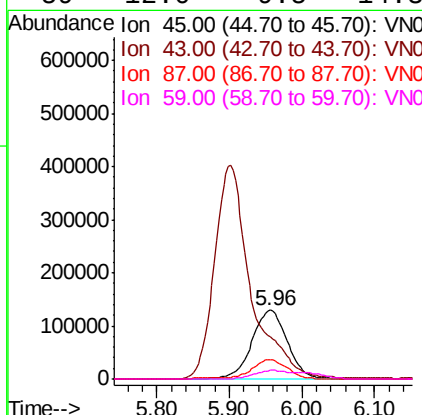
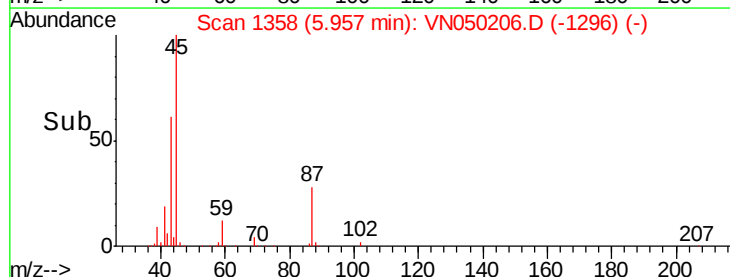
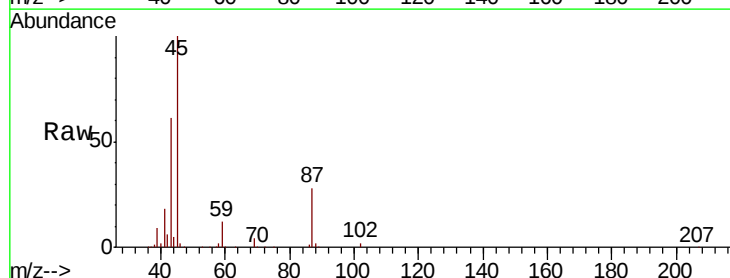
RT: 5.96 min Scan# 1358

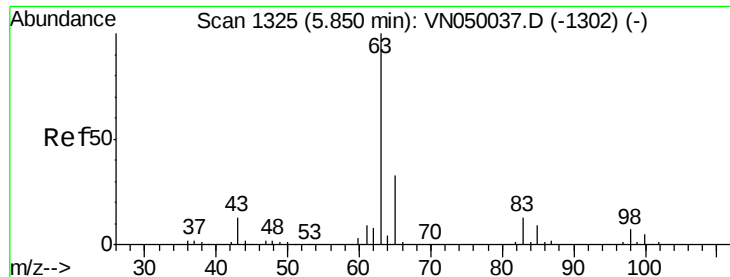
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	45	Resp:	440390
Ion	Ratio	Lower	Upper
45	100		
43	58.8	46.6	70.0
87	27.8	22.3	33.5
59	12.0	9.5	14.3





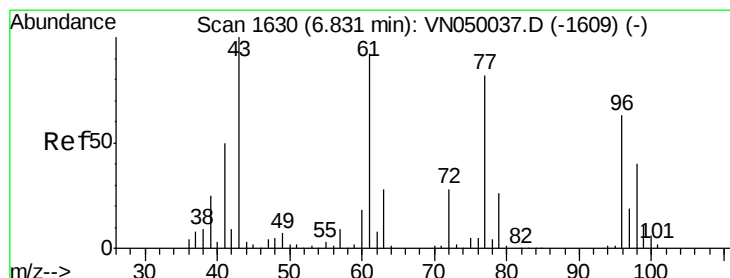
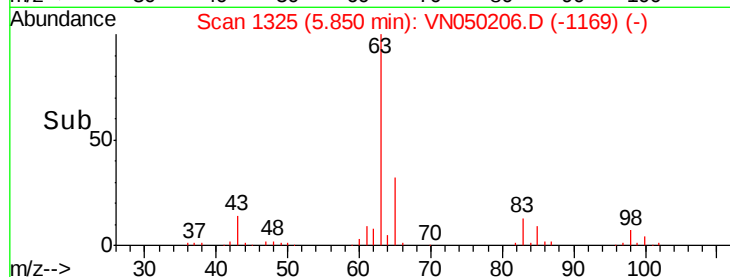
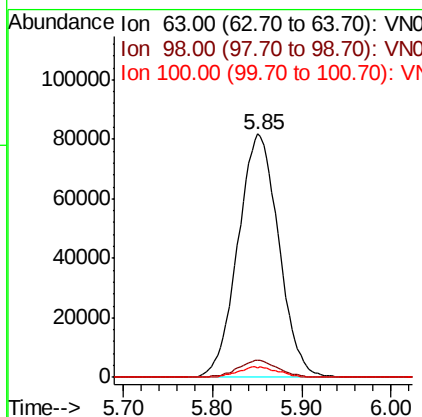
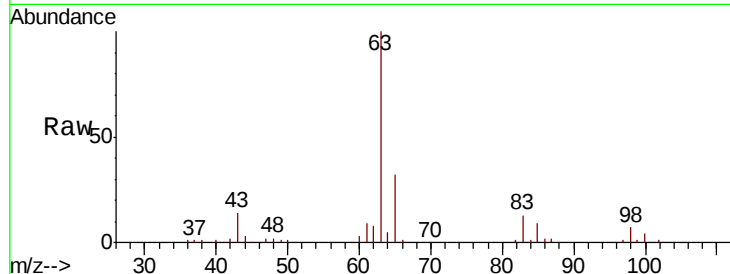
#21
 1,1-Dichloroethane
 Concen: 19.065 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	259054		
98	7.1		3.5	10.6
100	4.1		2.3	6.8

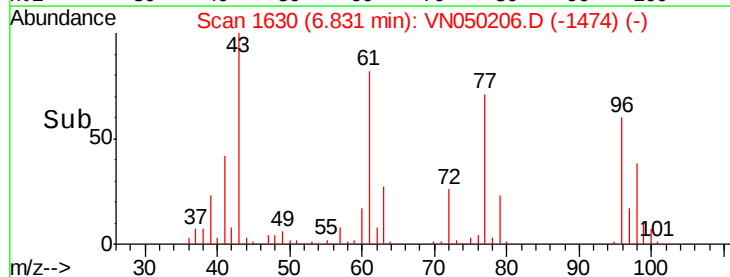
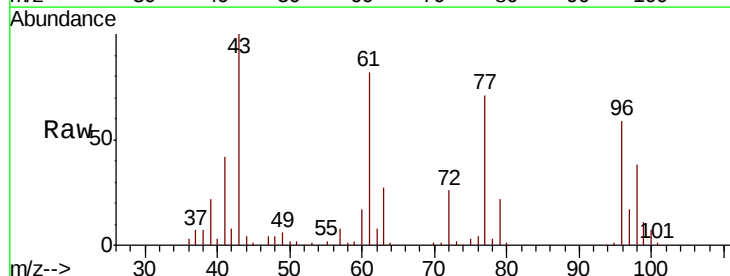
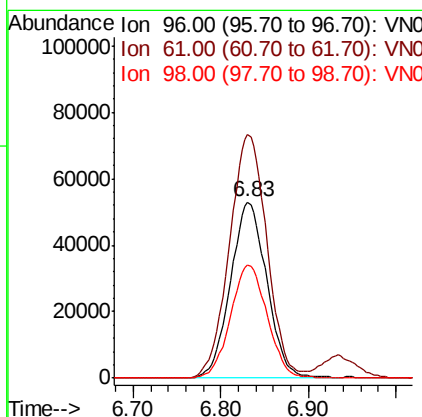
Manual Integrations
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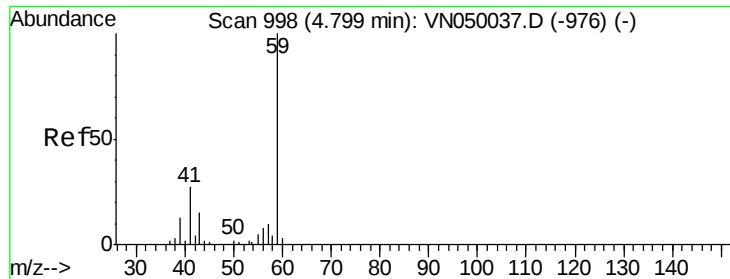
MMDadoda
 8/1/2018 11:13:59 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.280 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	152763		
61	142.4		114.2	171.2
98	64.8		51.7	77.5





#23

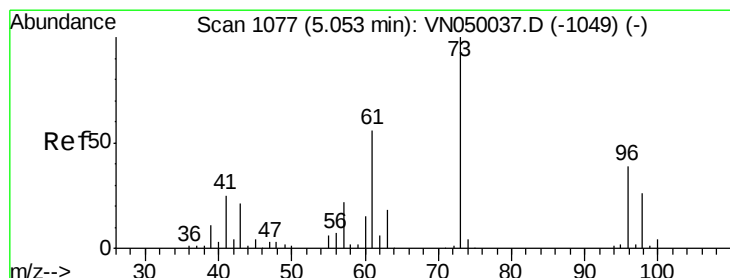
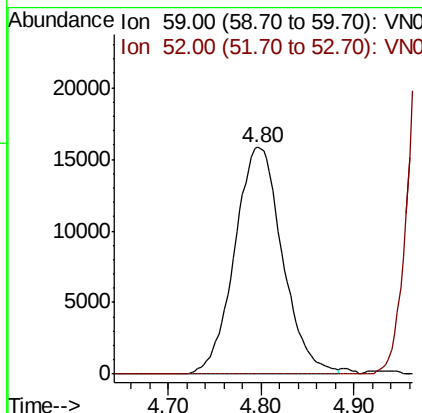
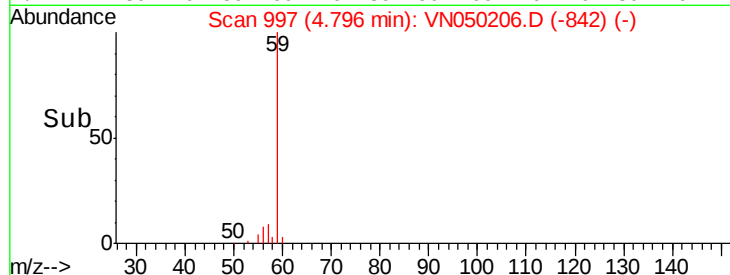
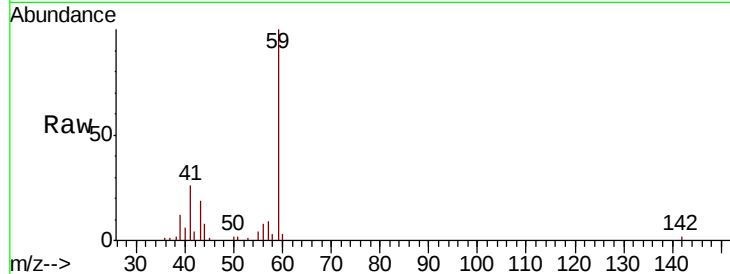
tert-Butyl Alcohol
 Concen: 99.381 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

Tot Ion: 59 Resp: 56645
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
 APPROVED

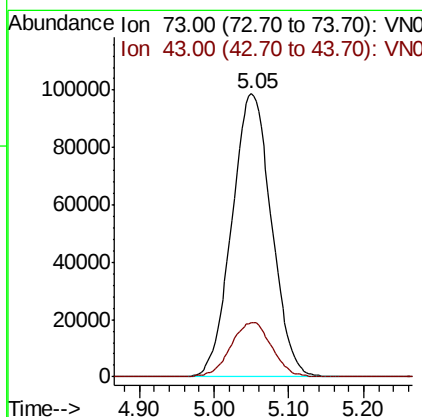
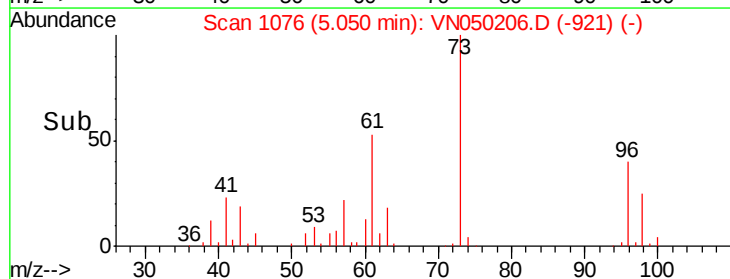
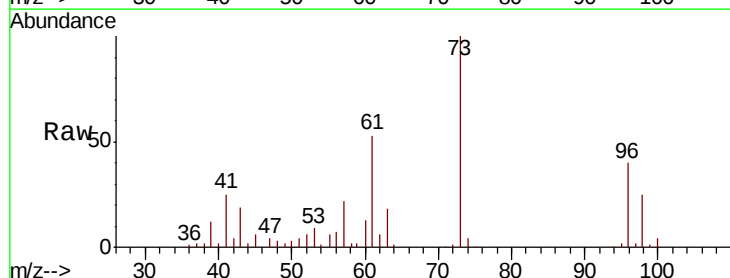
MMDadoda
 8/1/2018 11:13:59 AM

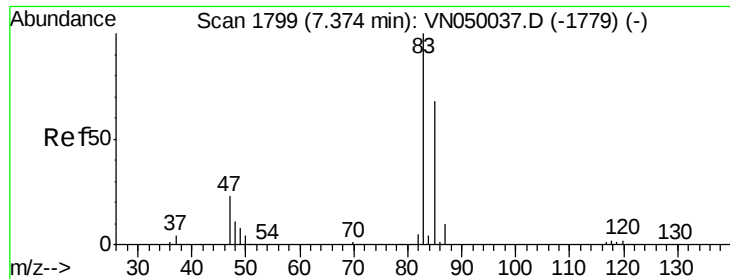


#24

Methyl tert-Butyl Ether
 Concen: 19.966 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 73 Resp: 363375
 Ion Ratio Lower Upper
 73 100
 43 19.7 15.5 23.3





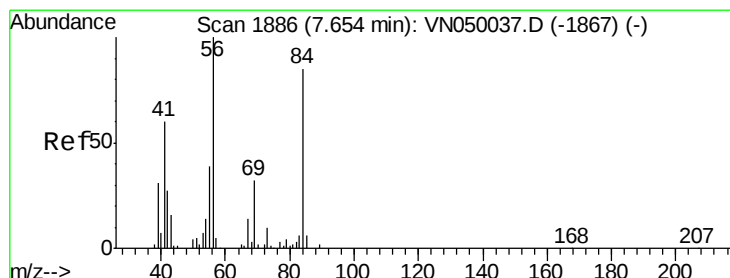
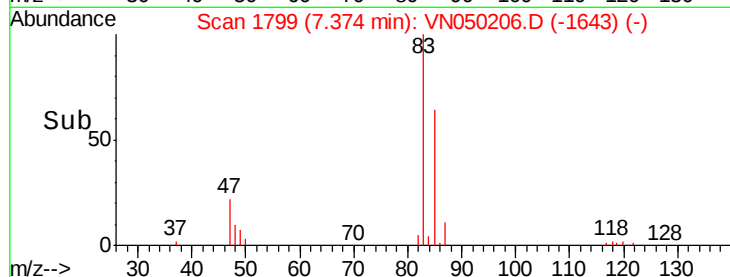
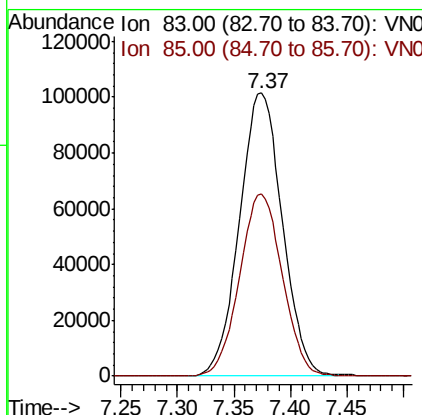
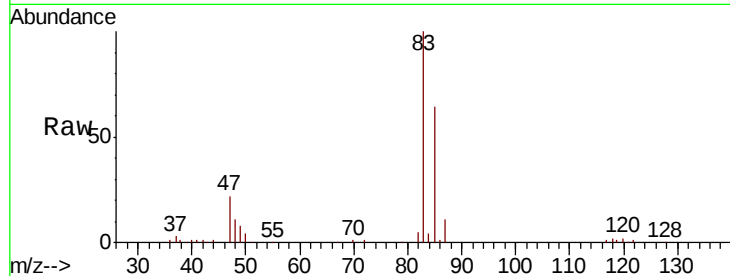
#25
Chloroform
Concen: 19.474 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	83	Resp	267870
Ion Ratio	100	Lower	Upper
85	64.4	52.1	78.1

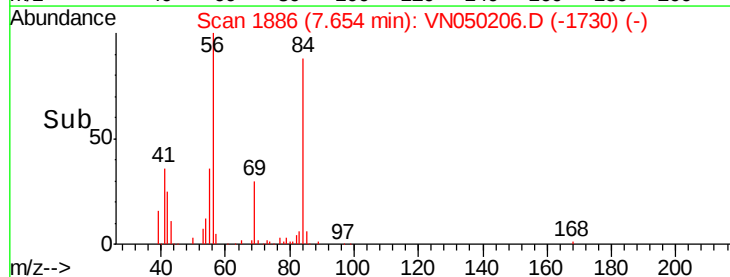
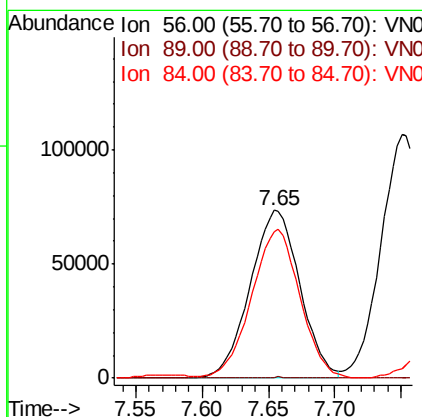
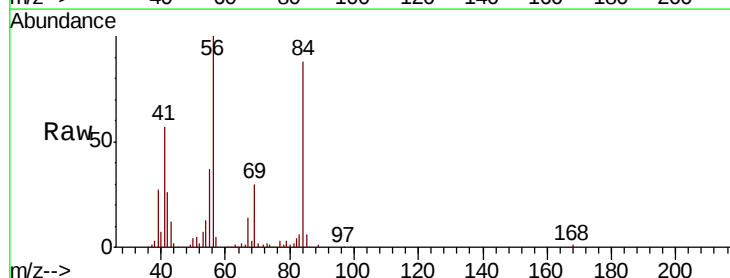
Manual Integrations
APPROVED

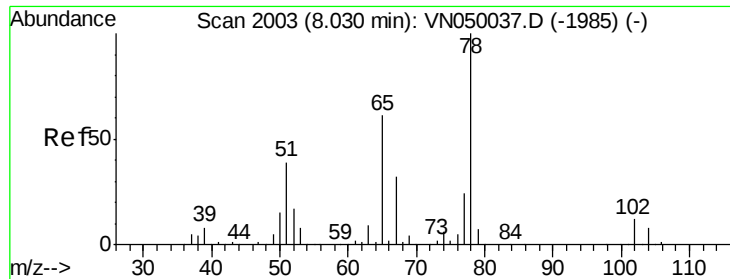
MMDadoda
8/1/2018 11:13:59 AM



#26
Cyclohexane
Concen: 17.817 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	56	Resp	192376
Ion Ratio	100	Lower	Upper
89	0.4	3.0	4.4#
84	86.6	69.8	104.8





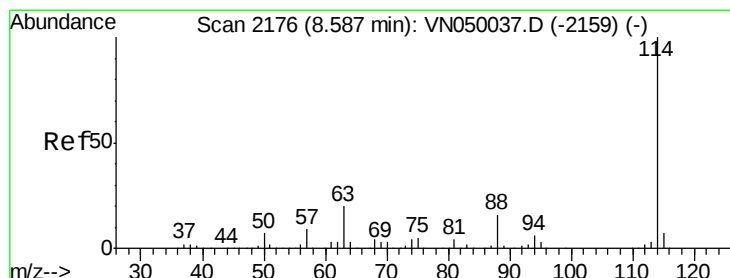
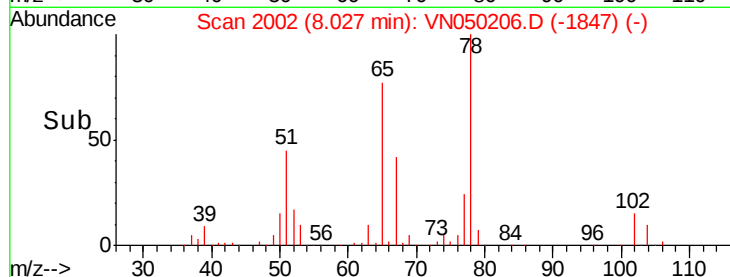
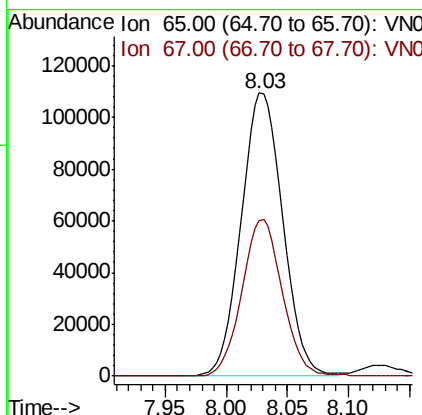
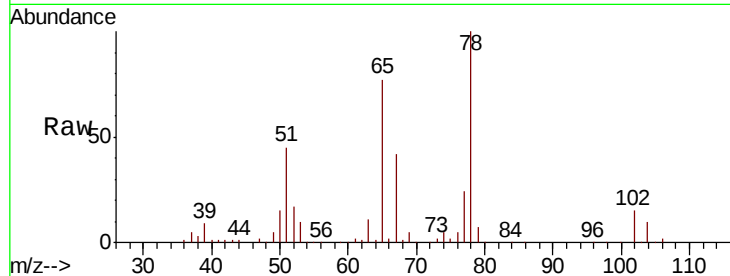
#27
 1,2-Dichloroethane-d4
 Concen: 30.298 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion: 65 Resp: 257767
 Ion Ratio Lower Upper
 65 100
 67 53.5 42.7 64.1

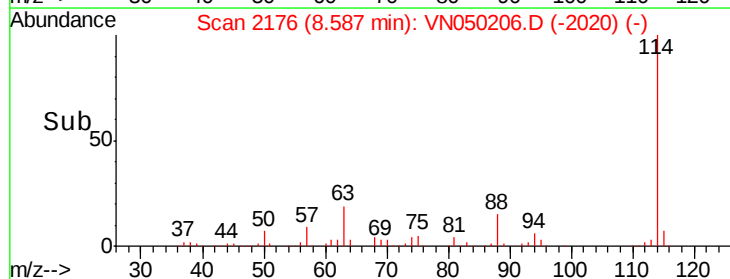
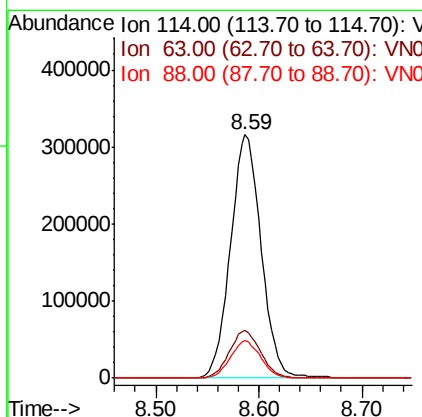
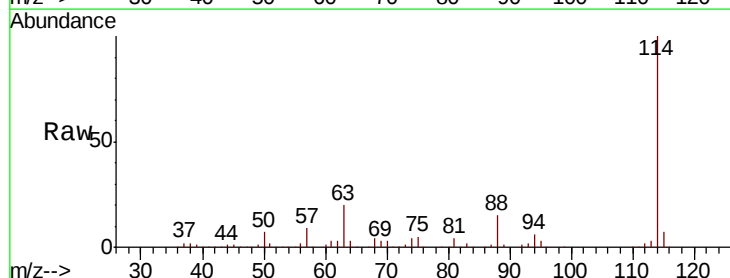
Manual Integrations
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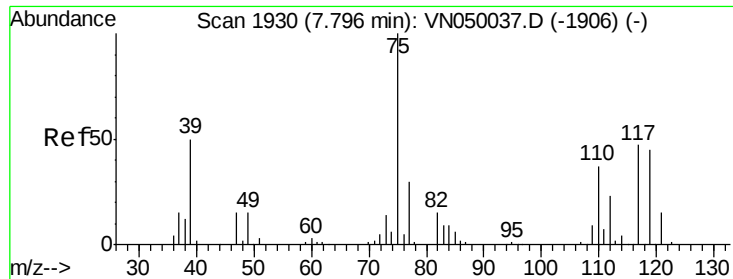
MMDadoda
 8/1/2018 11:13:59 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 114 Resp: 655278
 Ion Ratio Lower Upper
 114 100
 63 19.8 16.2 24.2
 88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 18.161 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

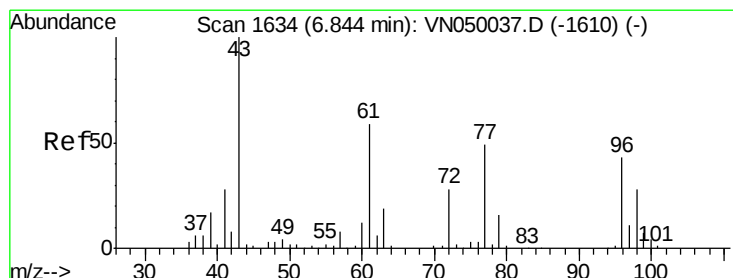
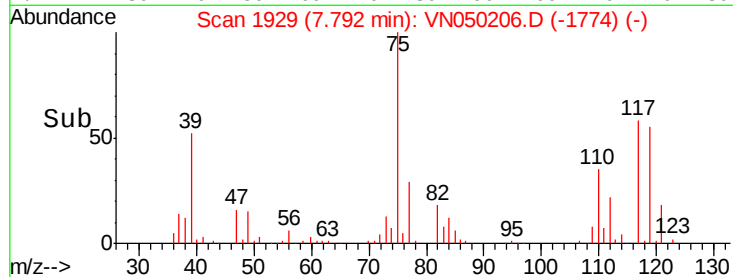
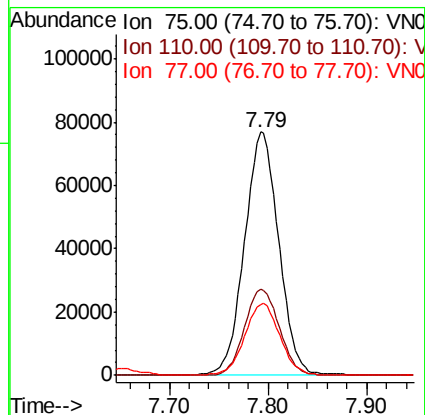
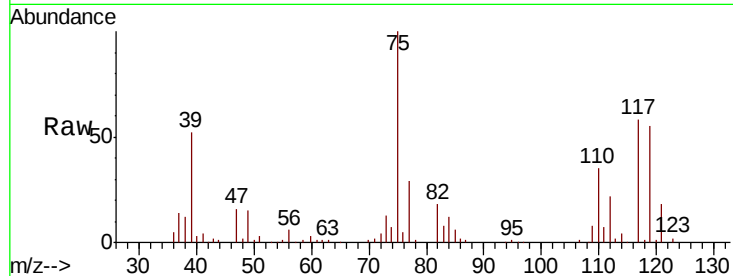
ClientSampled :

VN0731WBSD01

Tot Ion:	75	Resp:	184690
Ion Ratio	Lower	Upper	
75	100		
110	35.9	0.0	73.2
77	29.9	0.0	62.0

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#30

2-Butanone

Concen: 93.944 ug/l

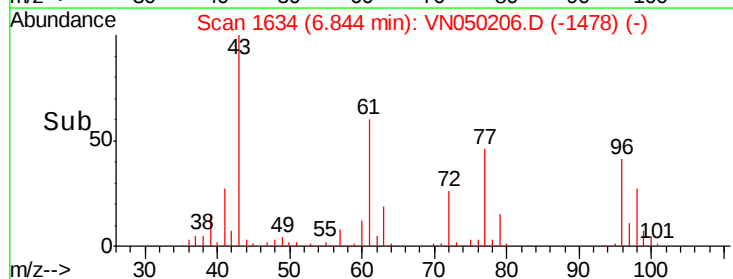
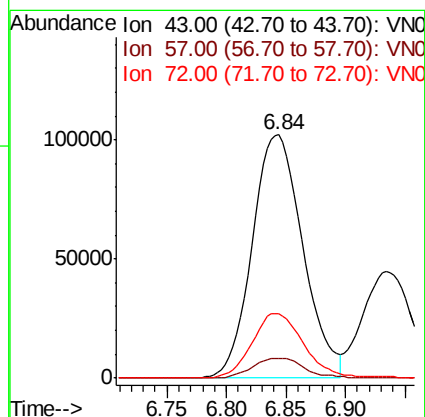
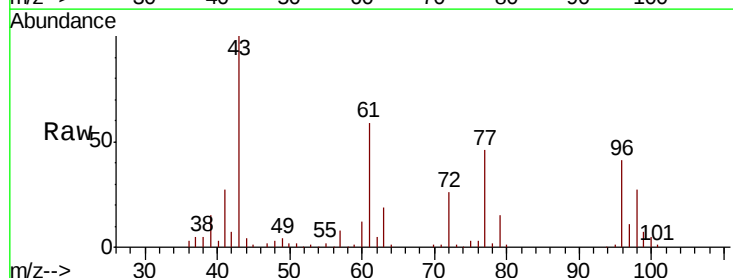
RT: 6.84 min Scan# 1634

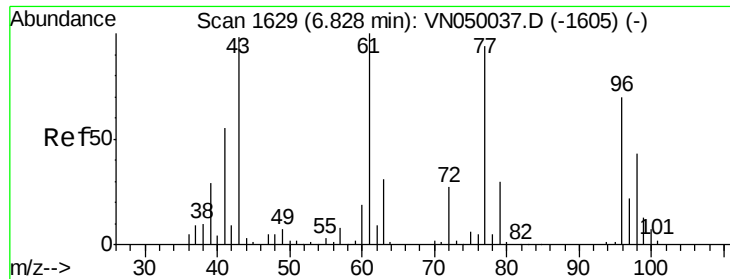
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	43	Resp:	299789
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.8	10.2
72	27.2	21.4	32.0





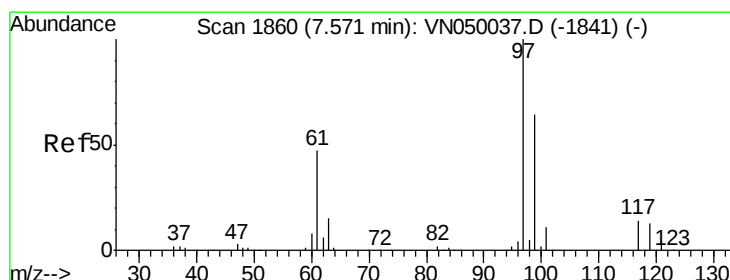
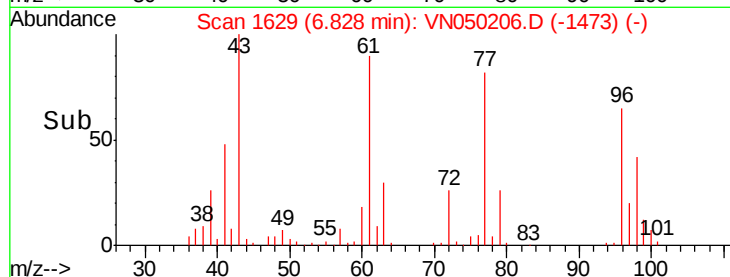
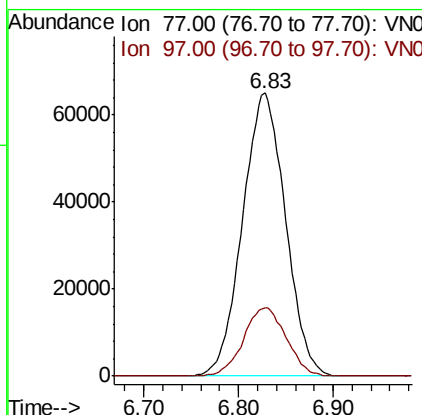
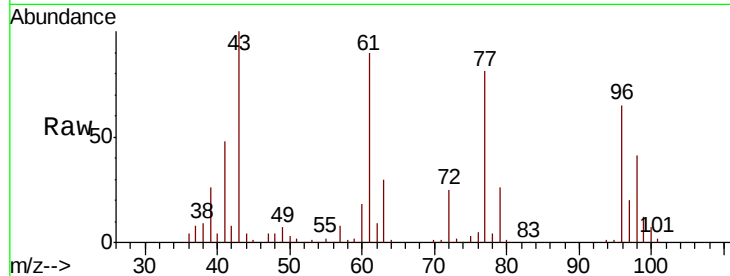
#31
 2,2-Dichloropropane
 Concen: 18.199 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

Tot Ion: 77 Resp: 204578
 Ion Ratio Lower Upper
 77 100
 97 24.1 18.9 28.3

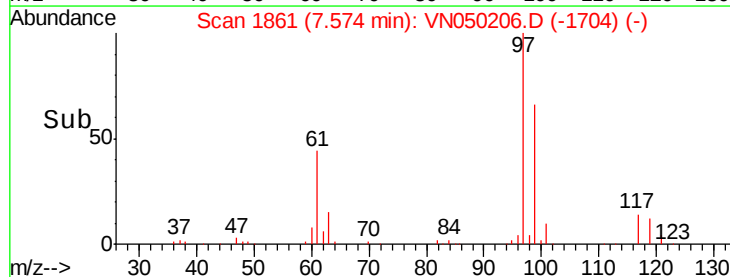
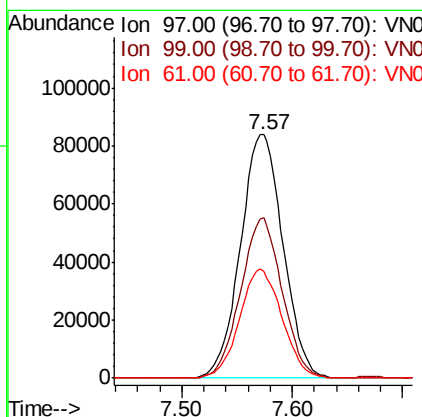
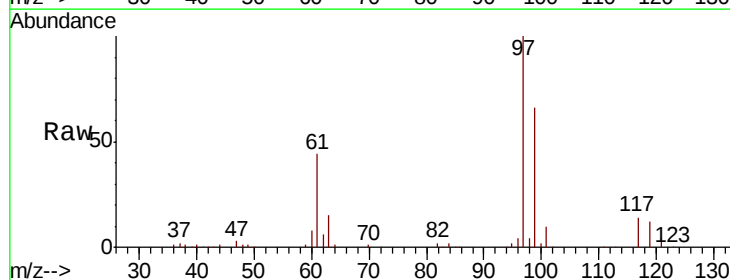
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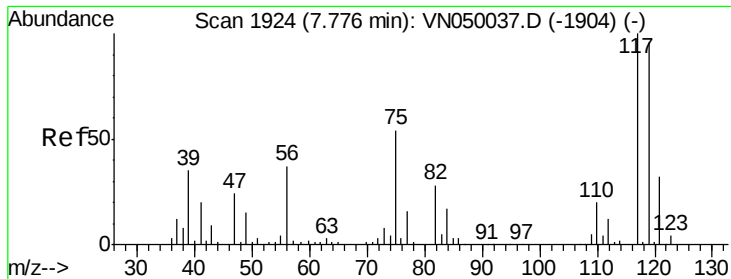
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#32
 1,1,1-Trichloroethane
 Concen: 18.743 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 97 Resp: 224348
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.2 76.8
 61 44.4 35.3 52.9





#33

Carbon Tetrachloride

Concen: 18.250 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

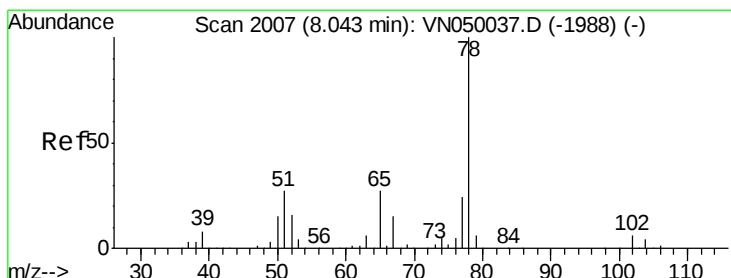
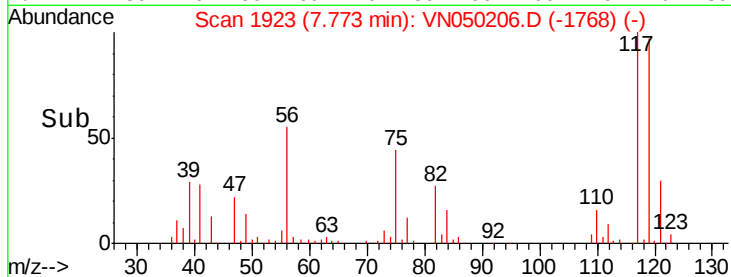
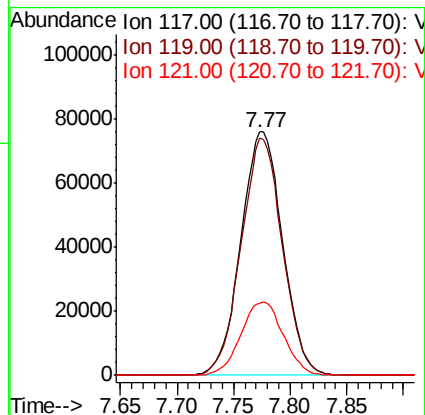
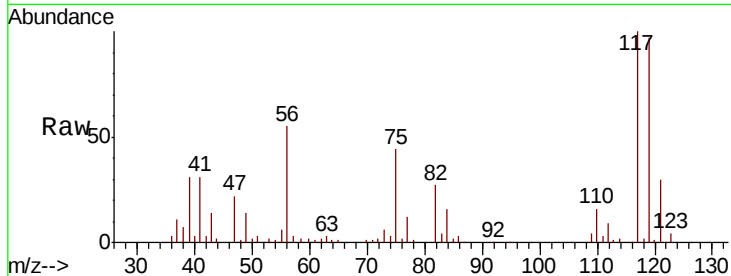
ClientSampled :

VN0731WBSD01

Tot Ion:	117	Resp:	194730
Ion Ratio	Lower	Upper	
117	100		
119	97.2	76.9	115.3
121	29.6	24.4	36.6

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#34

Benzene

Concen: 19.064 ug/l

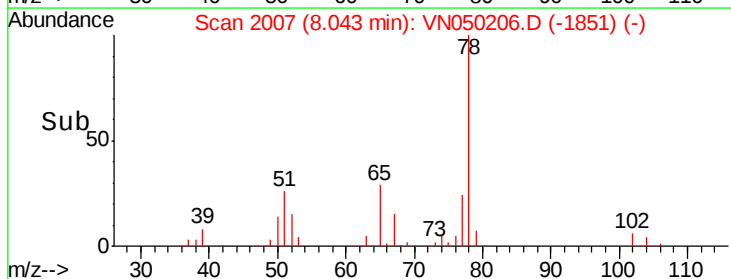
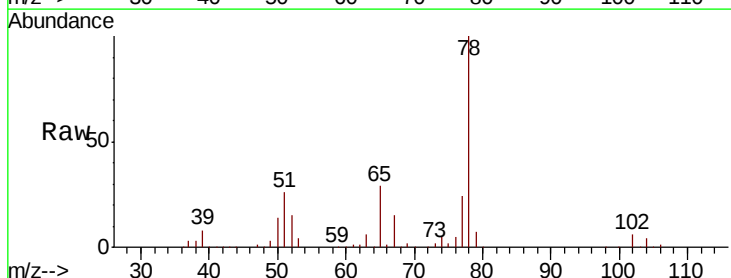
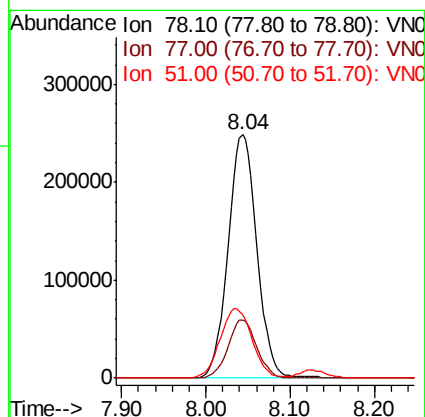
RT: 8.04 min Scan# 2007

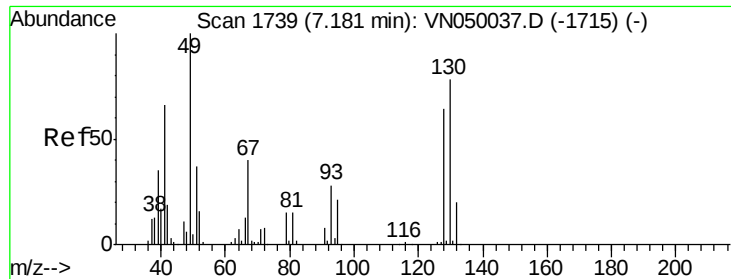
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	78	Resp:	588772
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7
51	26.0	21.0	31.4





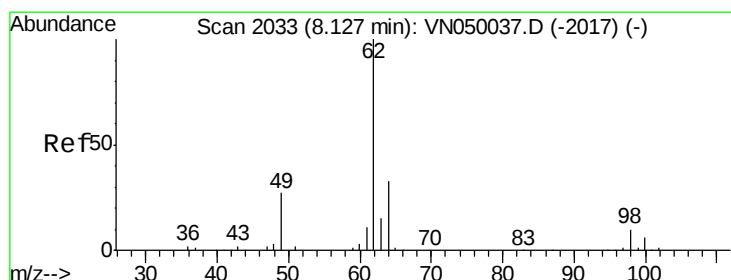
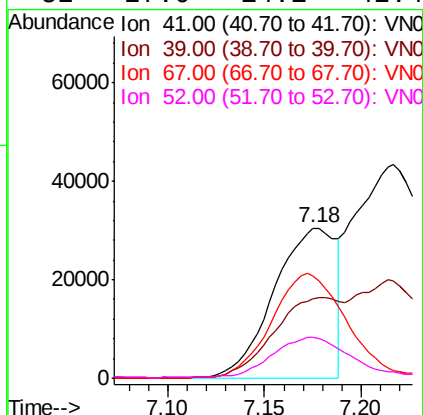
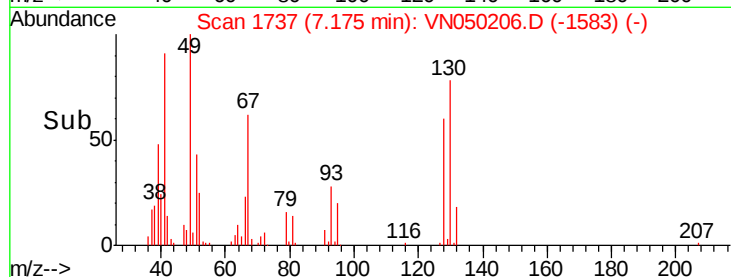
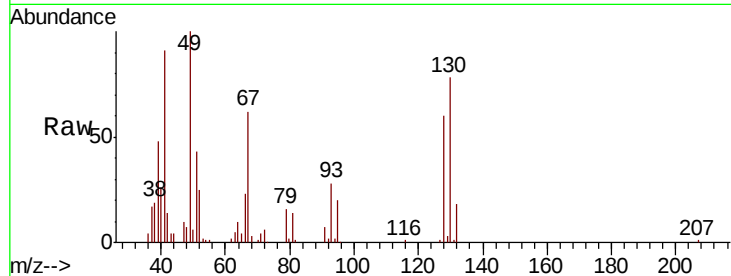
#35
Methacrylonitrile
Concen: 18.790 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion:	41	Resp:	68270
Ion	Ratio	Lower	Upper
41	100		
39	52.9	27.6	82.7
67	68.3	35.1	105.5
52	27.0	14.1	42.4

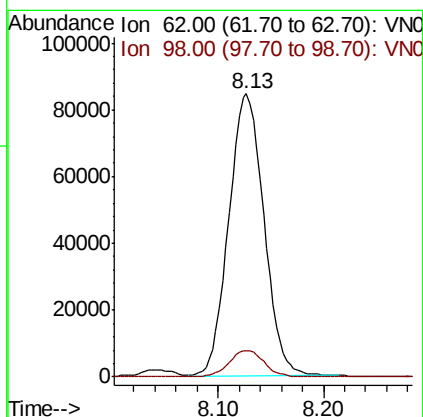
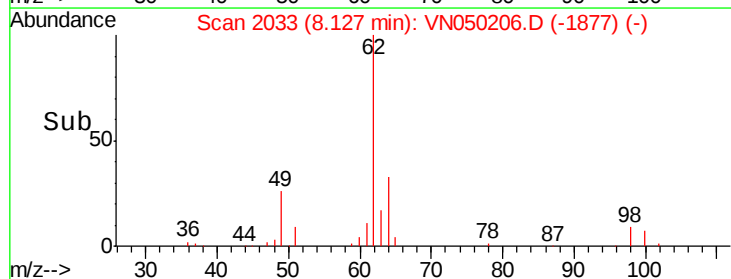
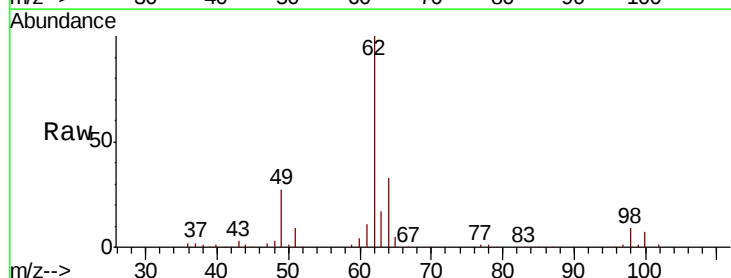
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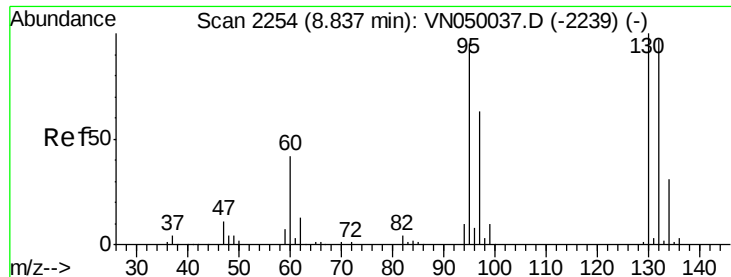
MMDadoda
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#36
1,2-Dichloroethane
Concen: 19.313 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion:	62	Resp:	195840
Ion	Ratio	Lower	Upper
62	100		
98	9.3	7.8	11.6





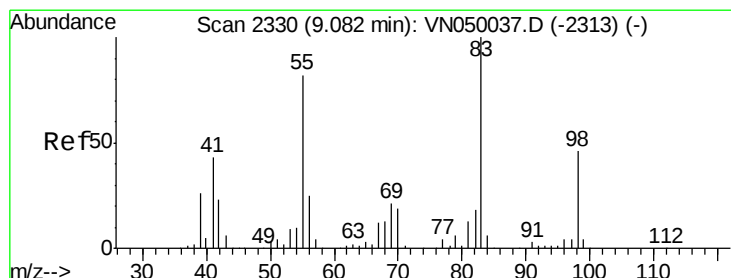
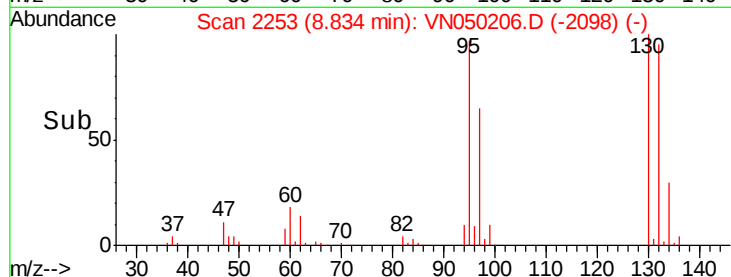
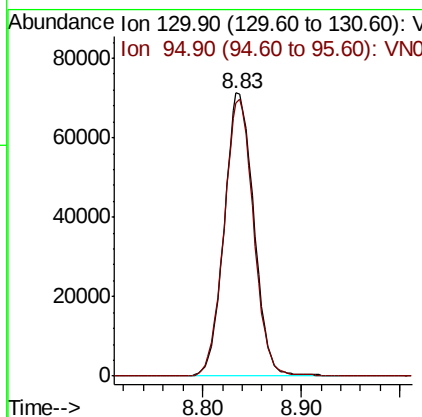
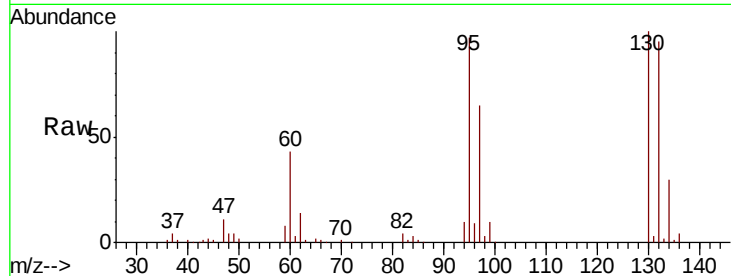
#37
 Trichloroethene
 Concen: 18.422 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion:130 Resp: 149219
 Ion Ratio Lower Upper
 130 100
 95 96.6 79.7 119.5

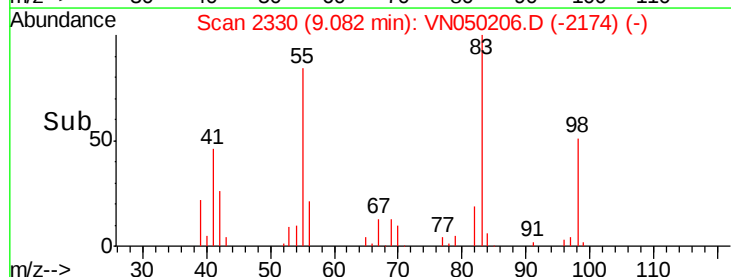
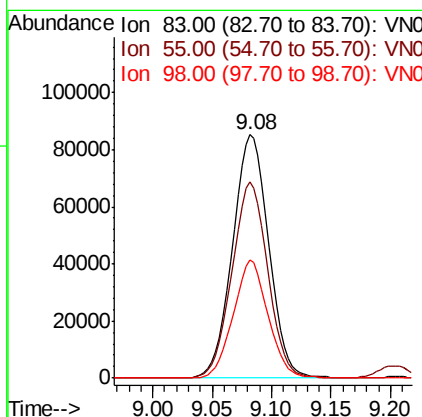
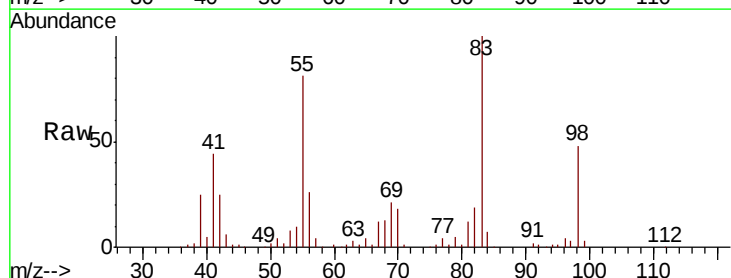
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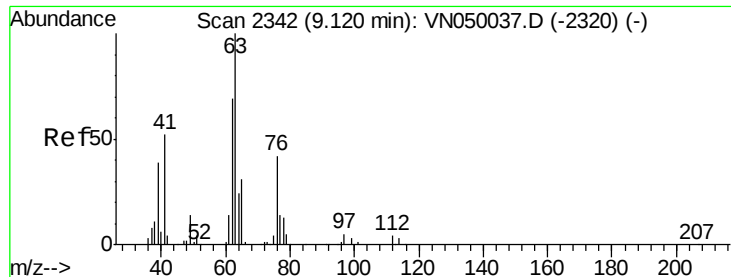
MMDadoda
 8/1/2018 11:13:59 AM



#38
 Methylcyclohexane
 Concen: 16.736 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion: 83 Resp: 179424
 Ion Ratio Lower Upper
 83 100
 55 79.7 39.3 117.8
 98 46.6 23.0 69.0





#39

1,2-Dichloropropane

Concen: 19.485 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 63 Resp: 158524

Ion Ratio Lower Upper

63 100

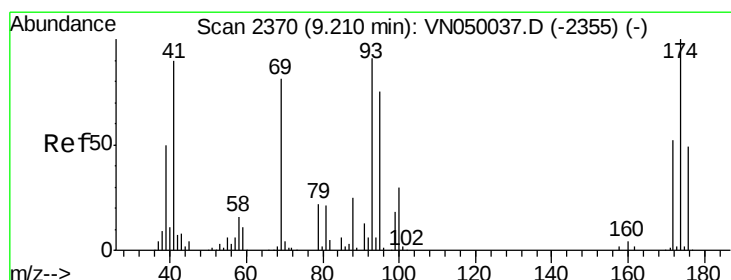
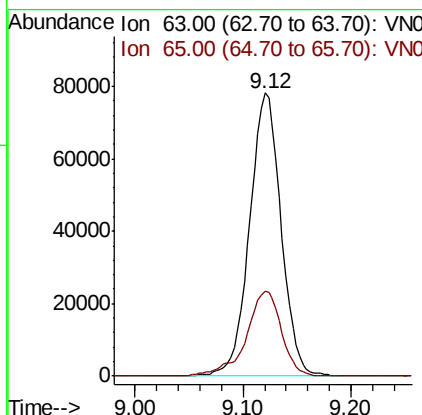
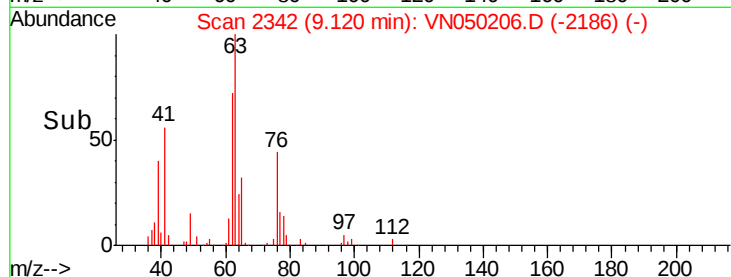
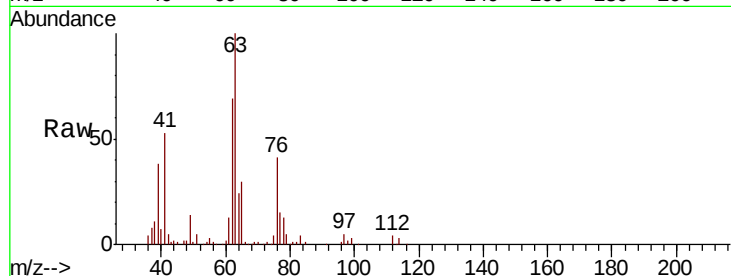
65 29.9 24.2 36.2

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#40

Dibromomethane

Concen: 20.176 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

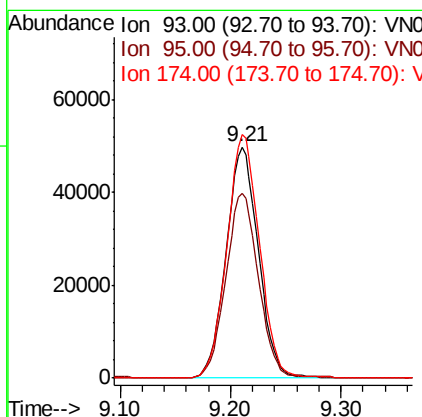
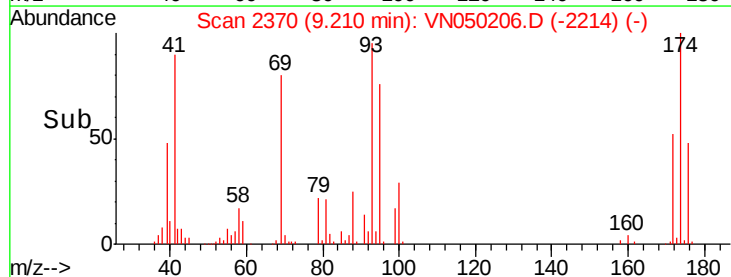
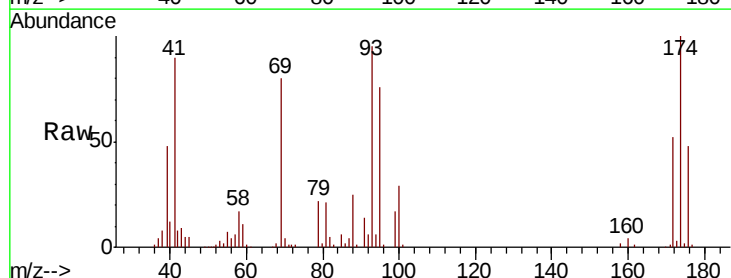
Tgt Ion: 93 Resp: 101453

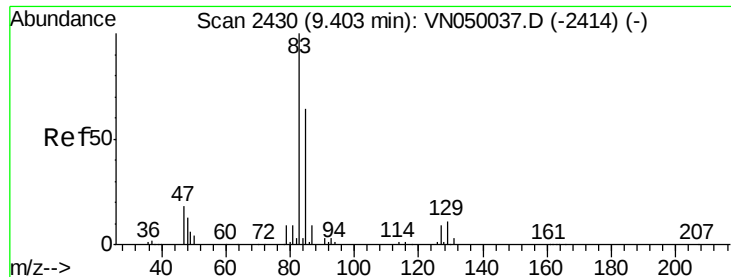
Ion Ratio Lower Upper

93 100

95 80.5 0.0 165.6

174 105.7 0.0 223.2





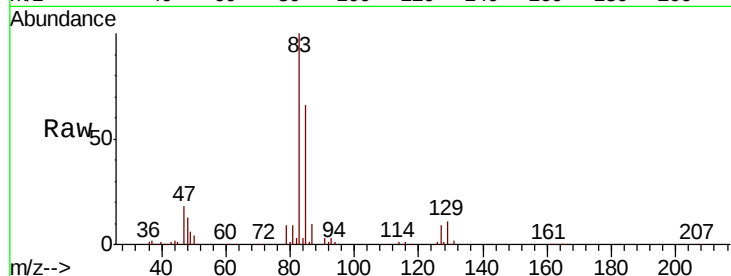
#41
Bromodichloromethane
Concen: 19.617 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

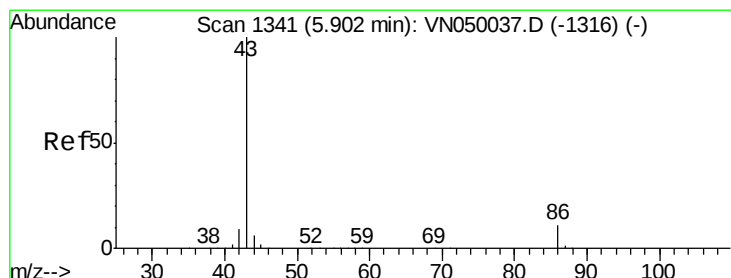
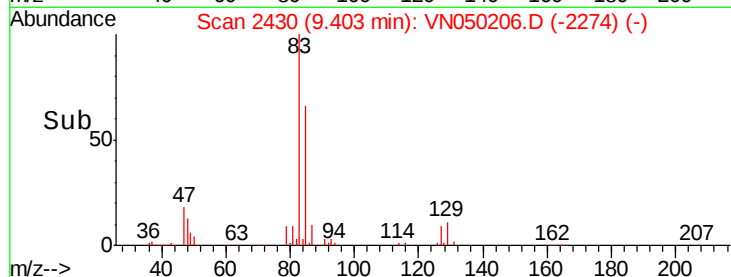
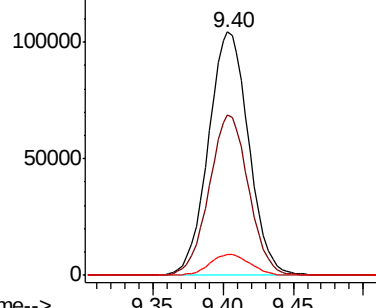
Tot Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.6	78.8
127	8.6	7.0	10.4

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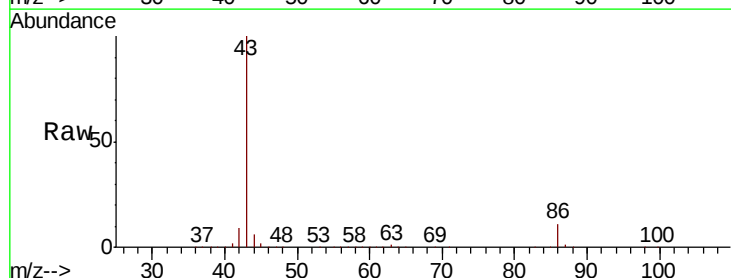


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

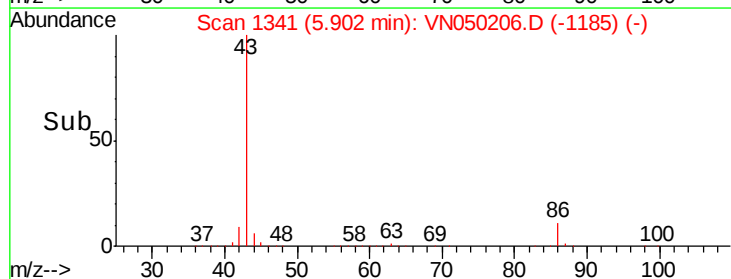
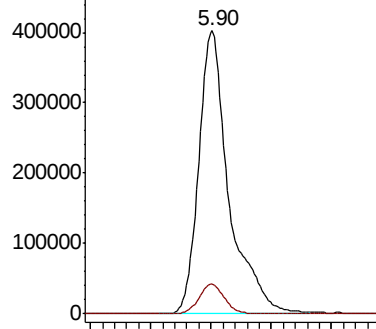


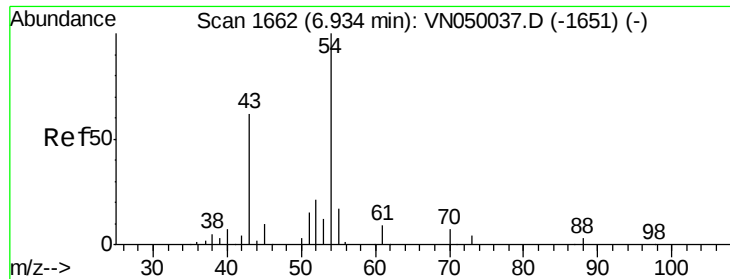
#42
Vinyl Acetate
Concen: 93.694 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.9	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.347 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 43 Resp: 128918

Ion Ratio Lower Upper

43 100

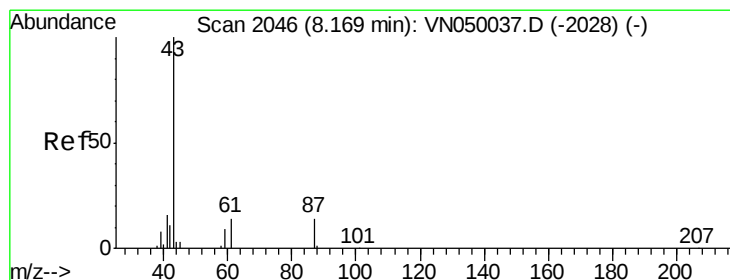
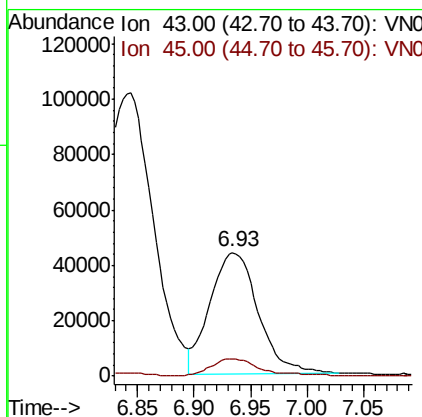
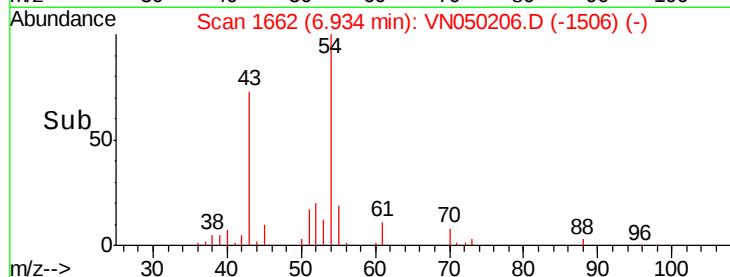
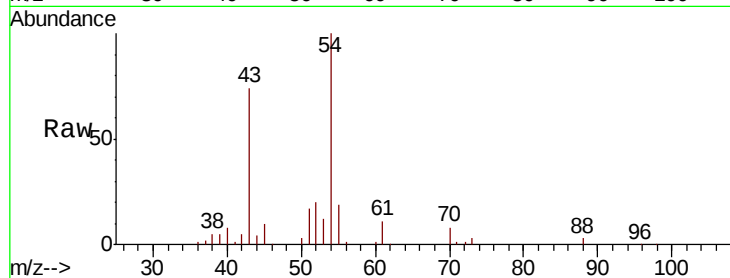
45 12.5 13.0 19.6#

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#44

Isopropyl Acetate

Concen: 20.565 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050206.D

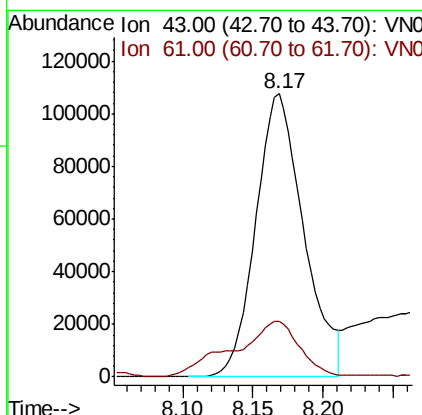
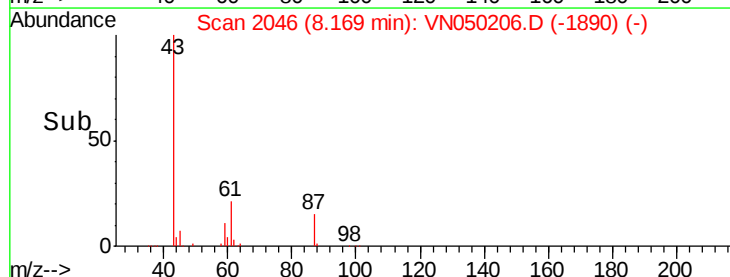
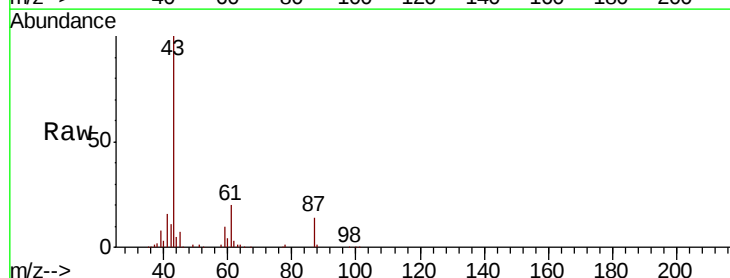
Acq: 31 Jul 2018 10:26

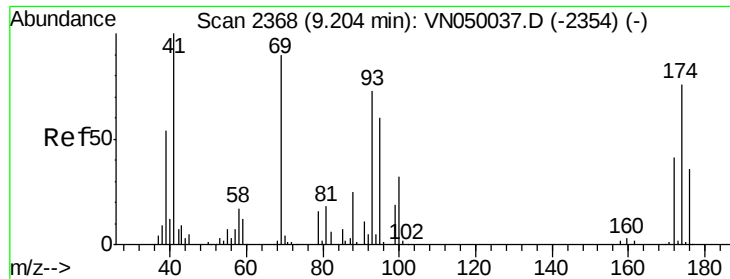
Tgt Ion: 43 Resp: 253849

Ion Ratio Lower Upper

43 100

61 17.5 16.4 24.6





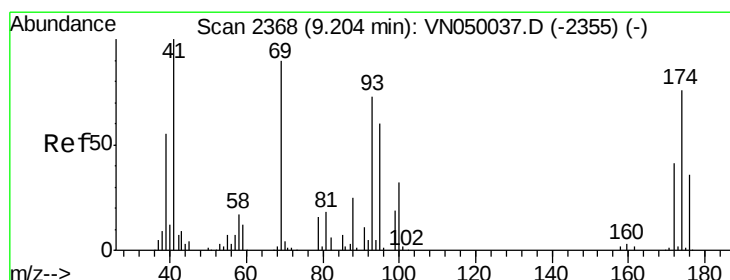
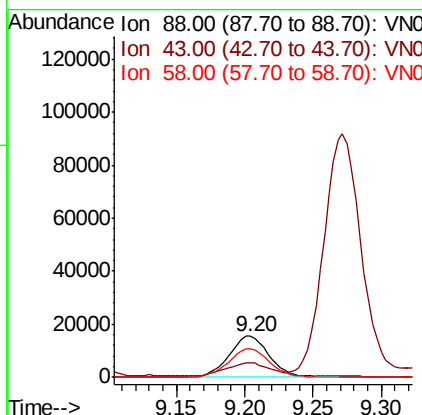
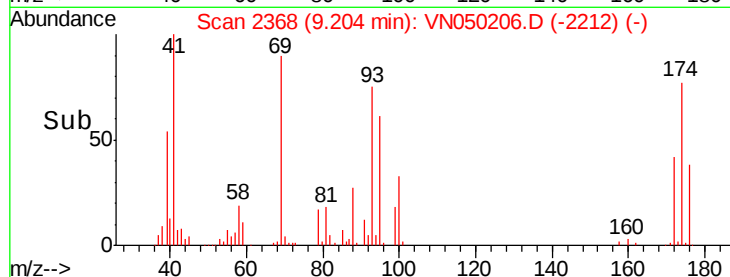
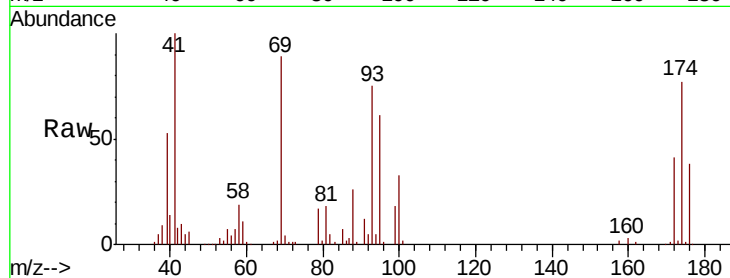
#45
 1,4-Dioxane
 Concen: 391.841 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	71.2	53.6	80.4

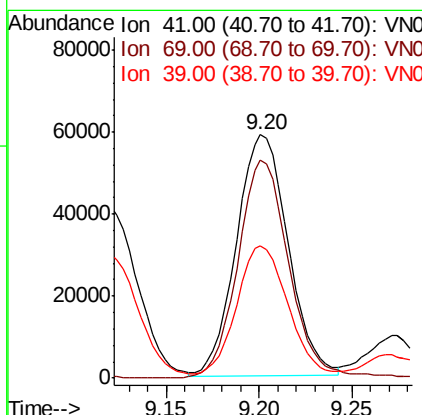
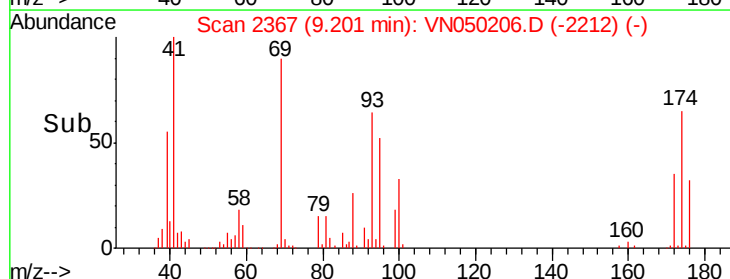
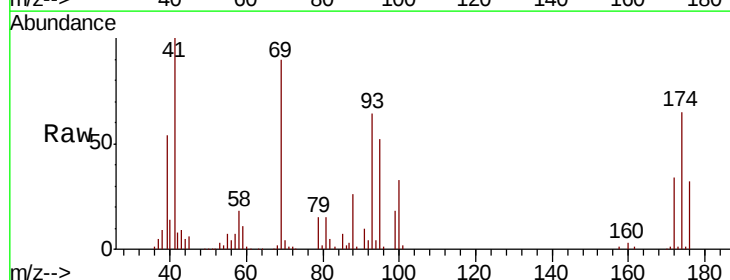
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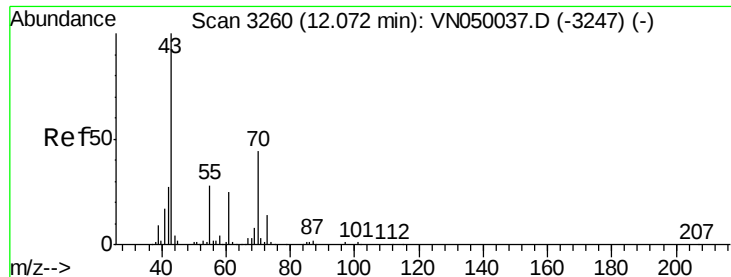
MMDadoda
 8/1/2018 11:13:59 AM



#46
 Methyl methacrylate
 Concen: 19.162 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.2	44.0	132.1
39	54.0	27.0	80.8





#47

n-amyl Acetate

Concen: 17.861 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 43 Resp: 171561

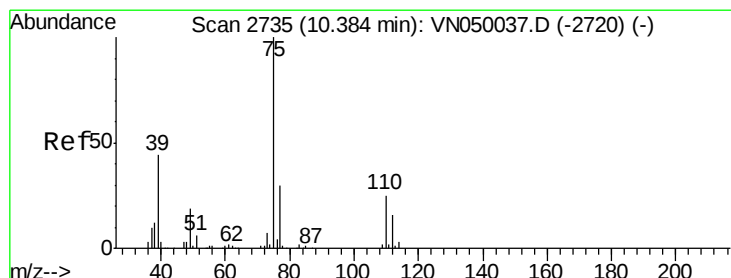
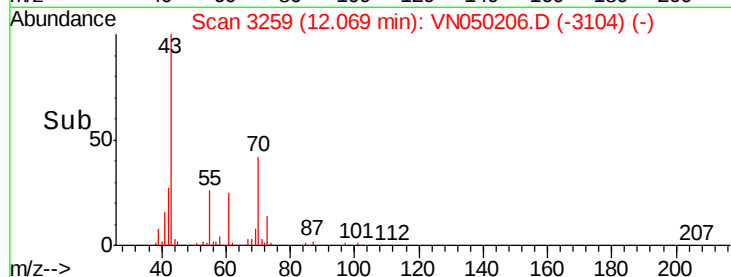
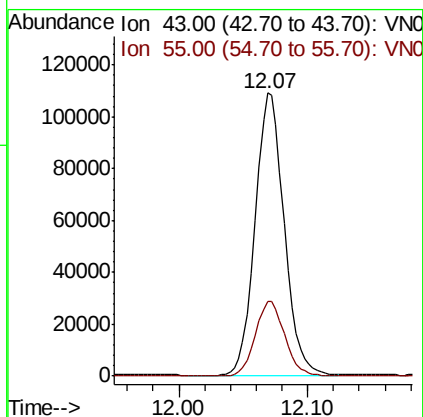
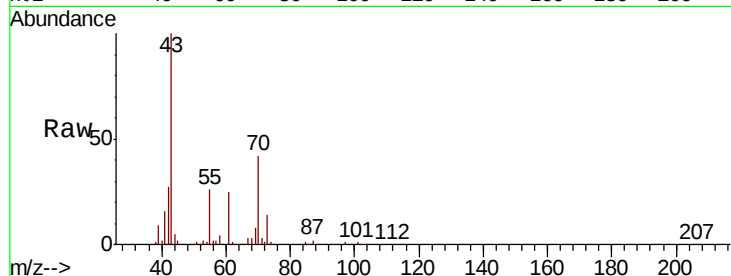
Ion Ratio Lower Upper

43 100

55 26.9 21.0 31.4

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#48

t-1,3-Dichloropropene

Concen: 19.209 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050206.D

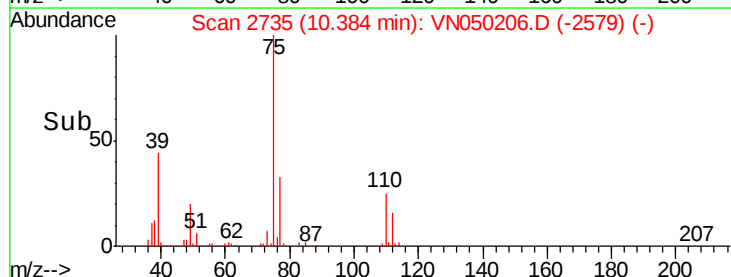
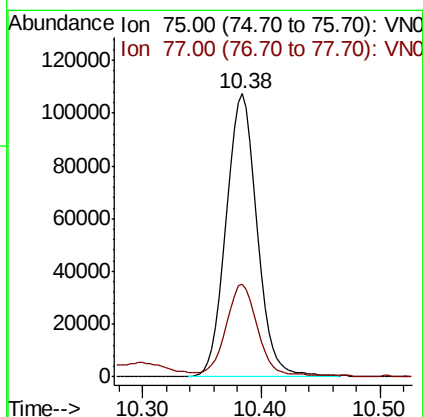
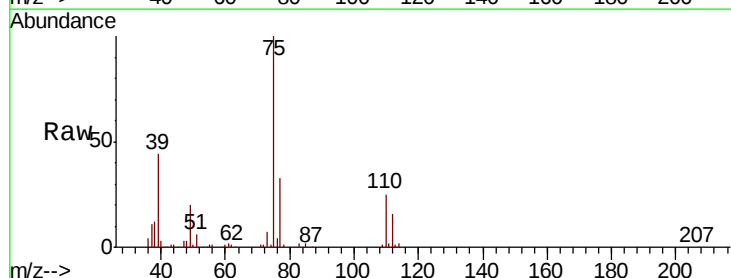
Acq: 31 Jul 2018 10:26

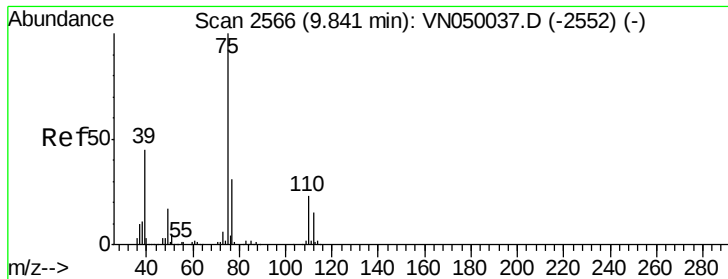
Tgt Ion: 75 Resp: 194202

Ion Ratio Lower Upper

75 100

77 32.2 24.6 37.0





#49

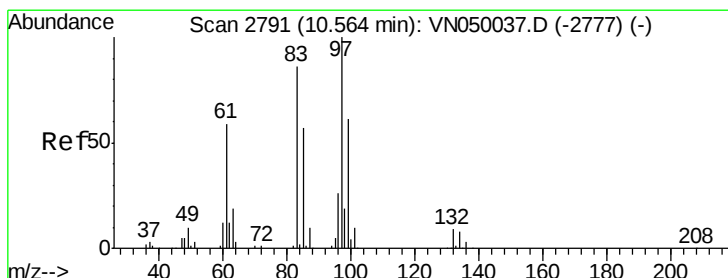
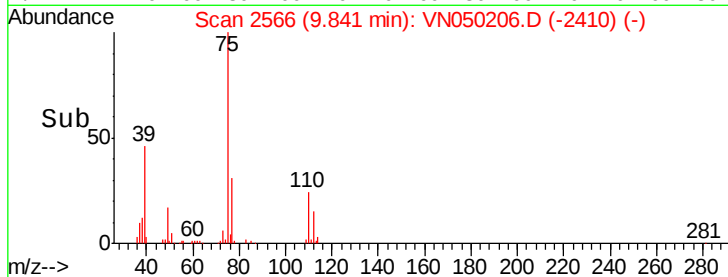
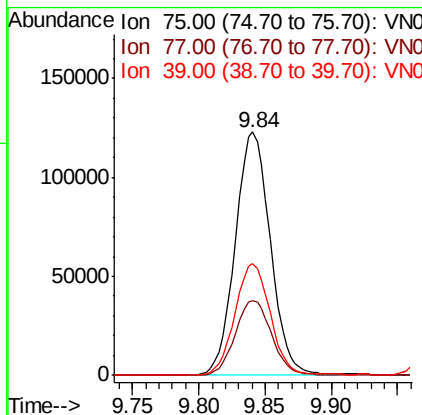
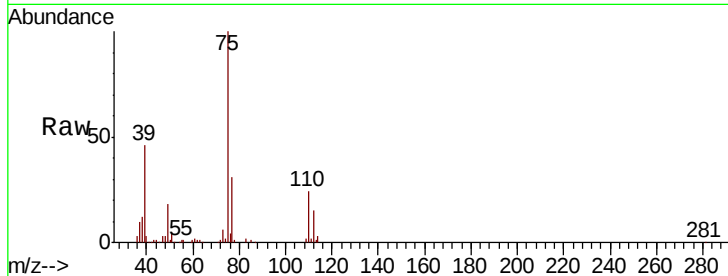
cis-1,3-Dichloropropene
Concen: 19.110 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.7	38.5
39	45.7	36.3	54.5

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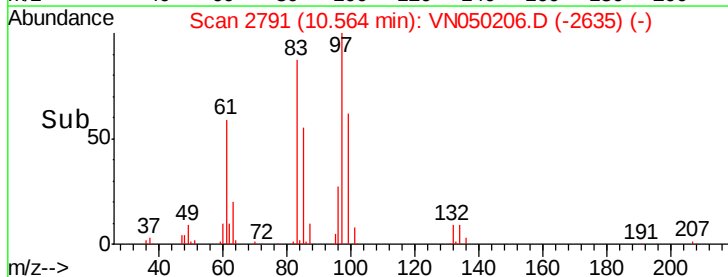
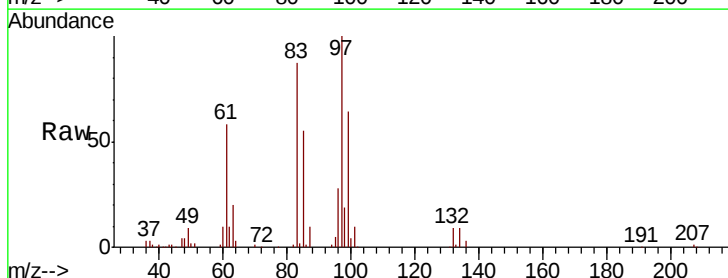
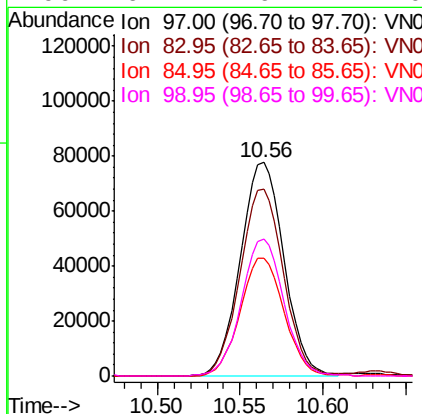
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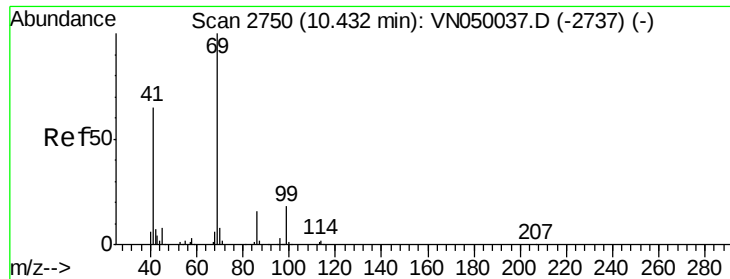


#50

1,1,2-Trichloroethane
Concen: 19.726 ug/l
RT: 10.56 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.4	68.1	102.1
85	55.2	45.4	68.2
99	64.1	49.4	74.0





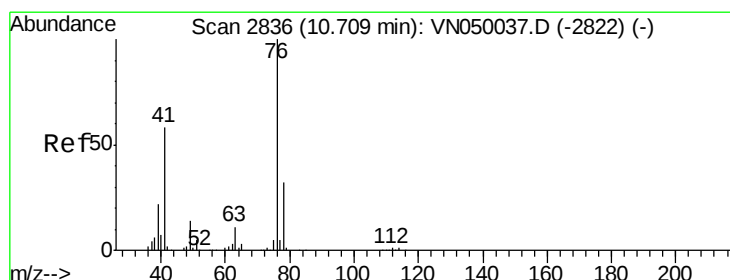
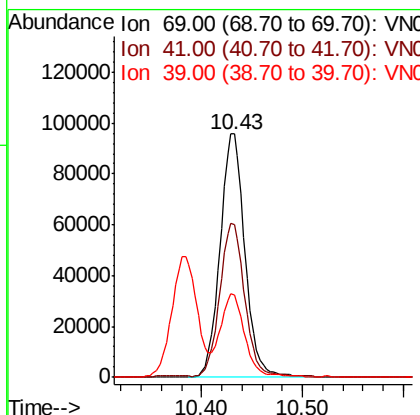
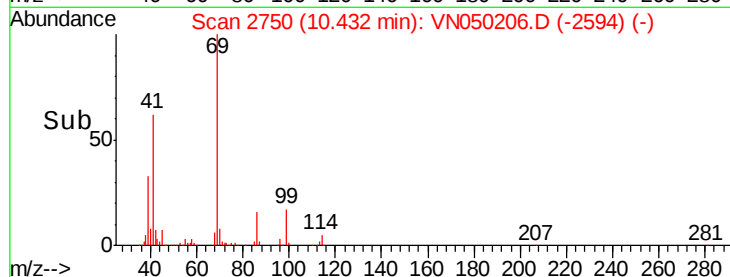
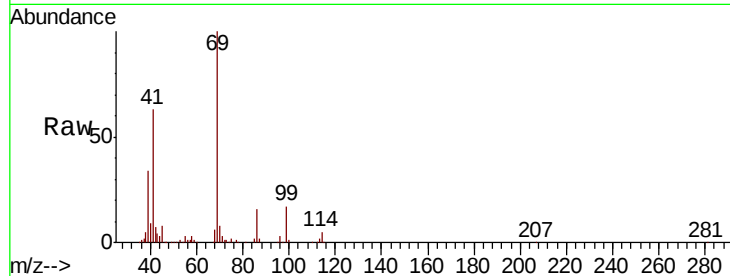
#51
Ethyl methacrylate
Concen: 18.849 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	62.2	31.9	95.9
39	33.3	16.7	50.1

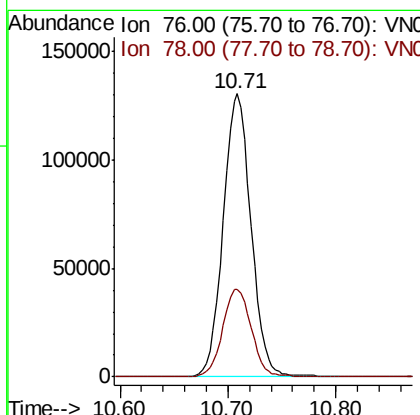
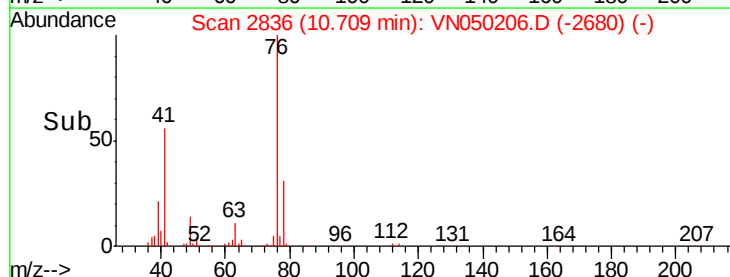
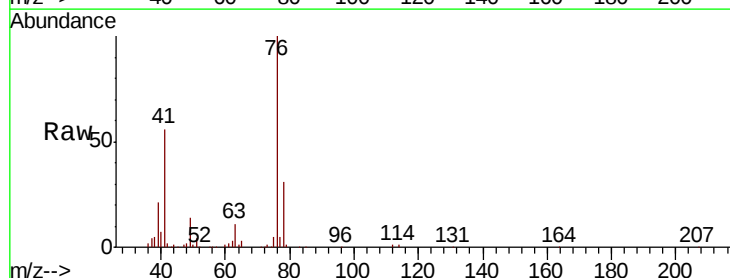
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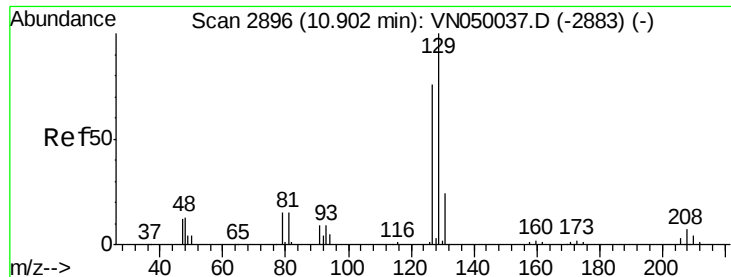
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#52
1,3-Dichloropropane
Concen: 19.765 ug/l
RT: 10.71 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	65.6





#53

Dibromochloromethane

Concen: 19.118 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion:129 Resp: 156600

Ion Ratio Lower Upper

129 100

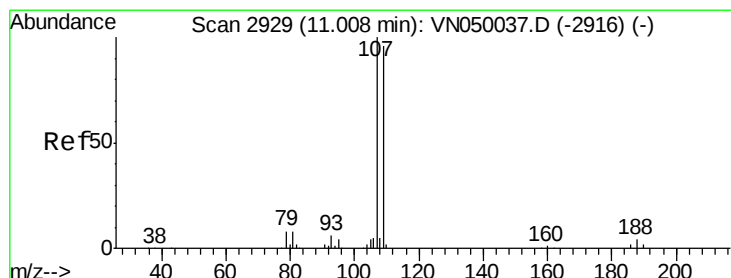
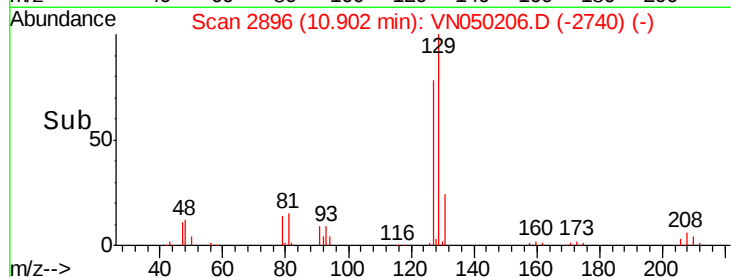
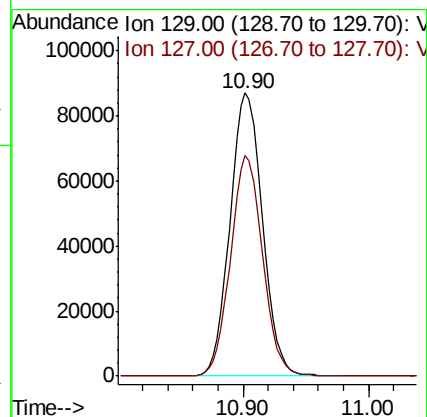
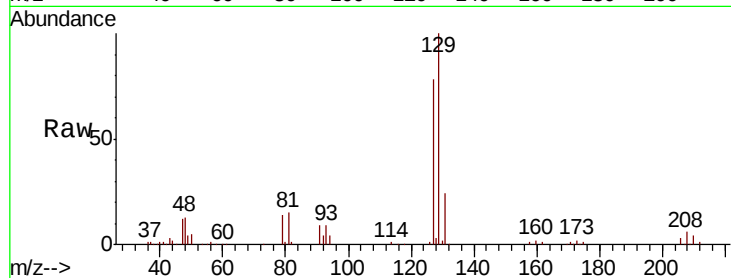
127 76.8 38.1 114.5

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#54

1,2-Dibromoethane

Concen: 19.321 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050206.D

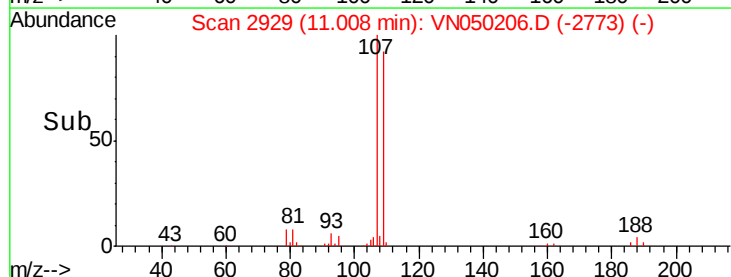
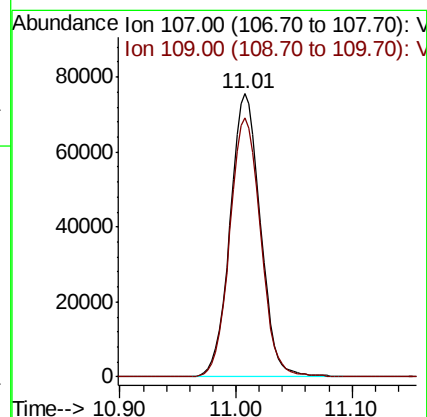
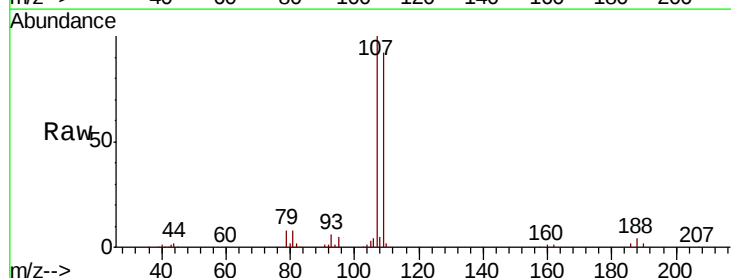
Acq: 31 Jul 2018 10:26

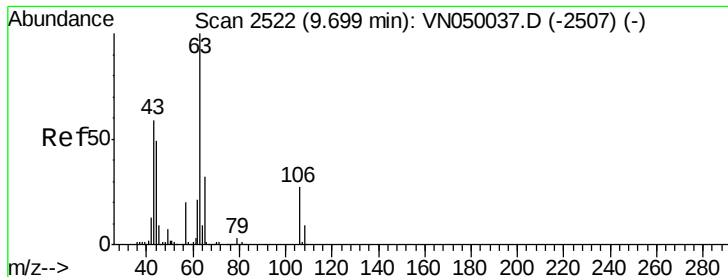
Tgt Ion:107 Resp: 136581

Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 90.550 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

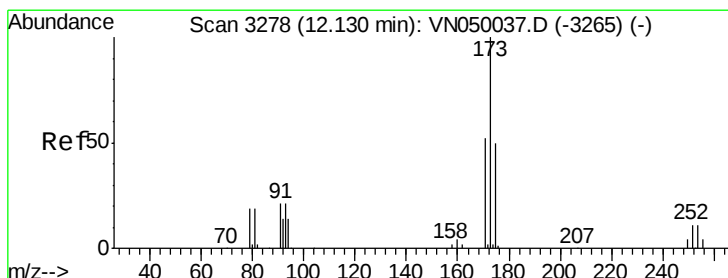
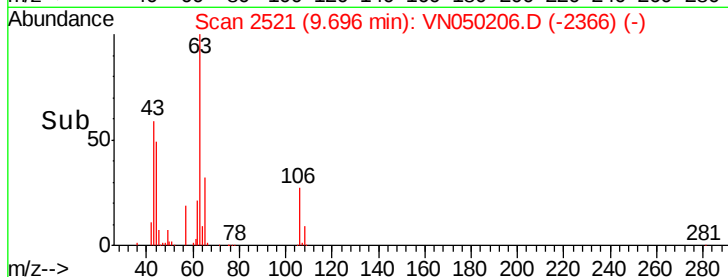
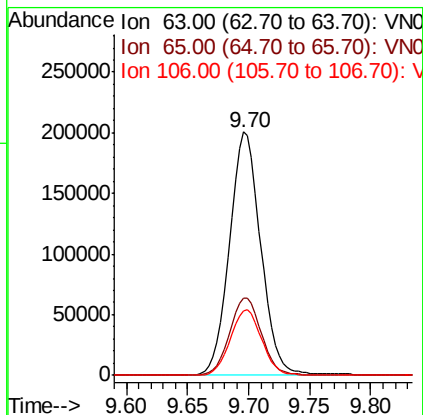
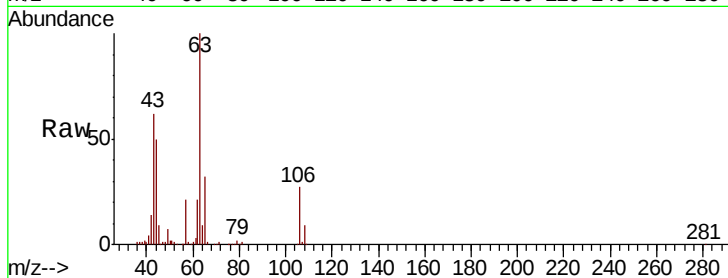
ClientSampled :

VN0731WBSD01

Tot Ion:	63	Resp:	359018
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.5	38.3
106	27.2	21.8	32.6

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#56

Bromoform

Concen: 18.433 ug/l

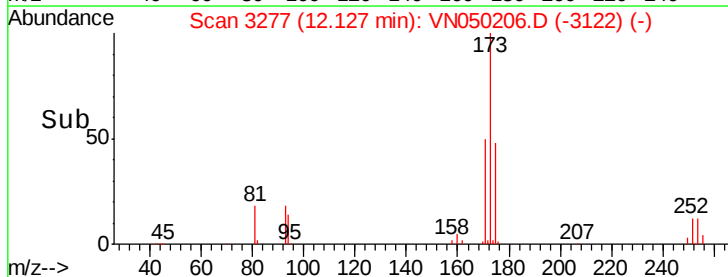
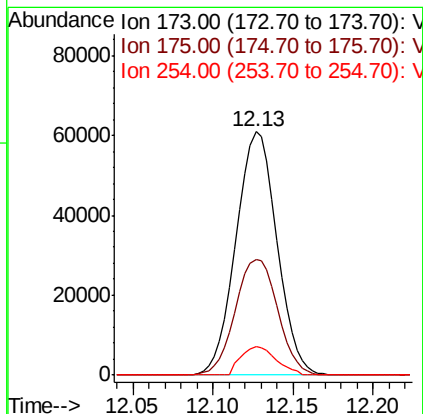
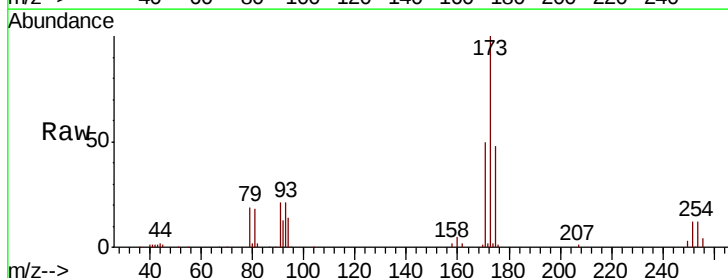
RT: 12.13 min Scan# 3277

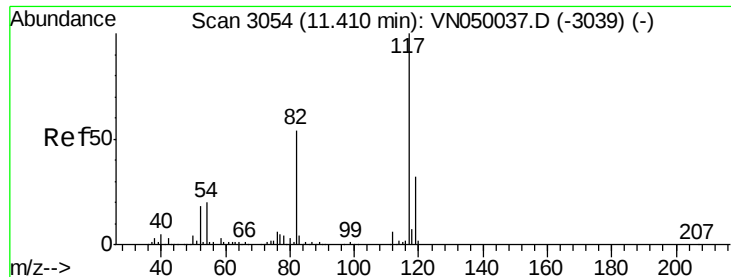
Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	173	Resp:	106612
Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	57.8
254	10.0	8.8	13.2





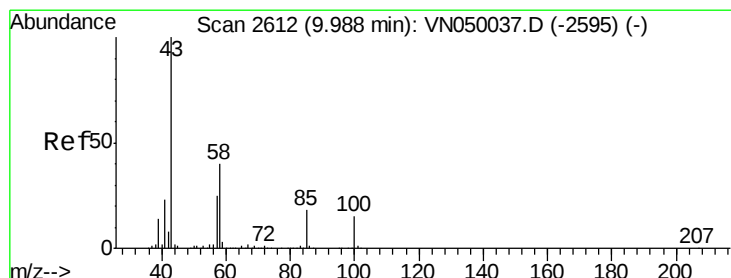
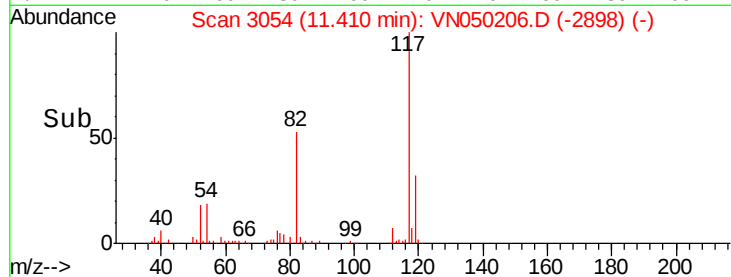
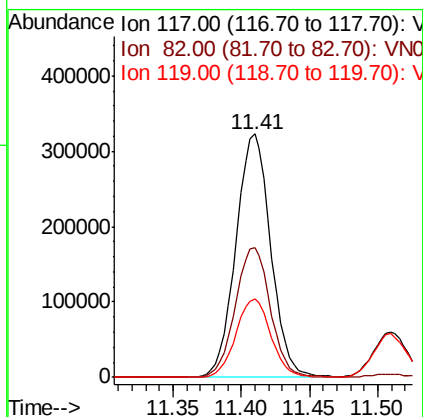
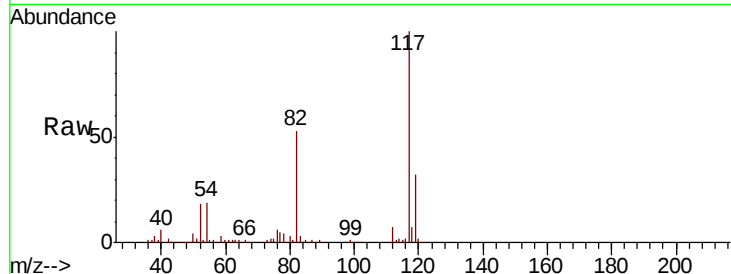
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.4	63.6
119	32.2	25.4	38.0

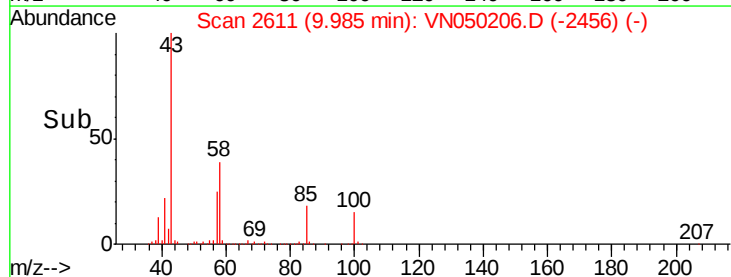
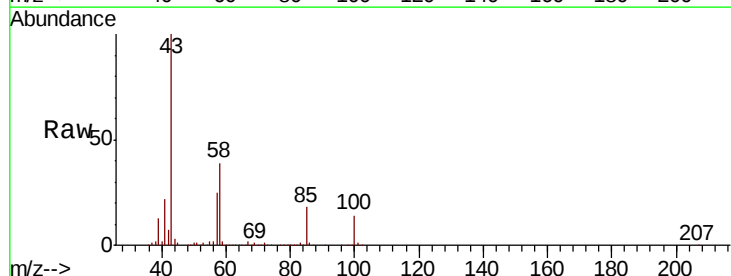
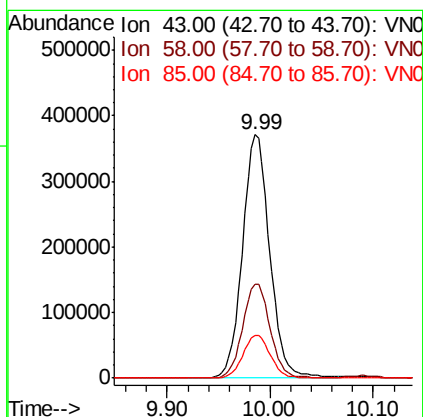
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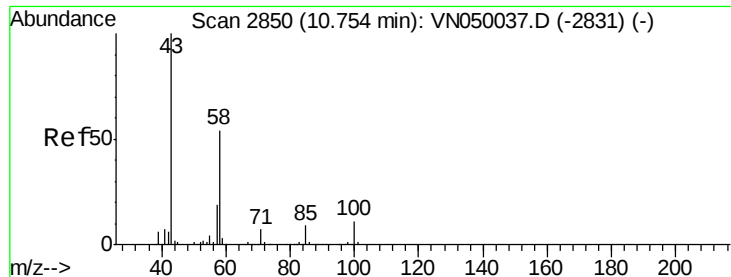
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 101.604 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.2	31.2	46.8
85	18.0	14.4	21.6





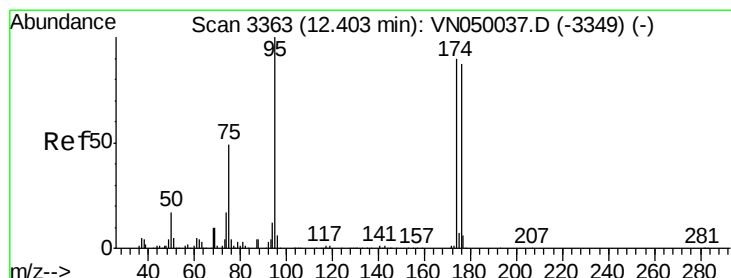
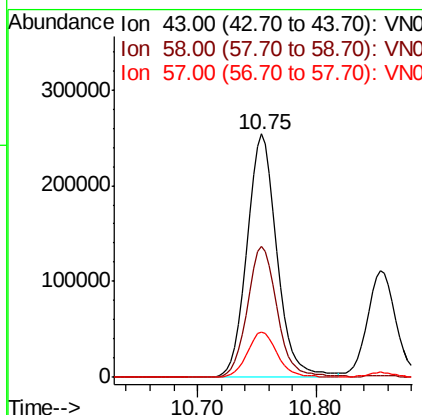
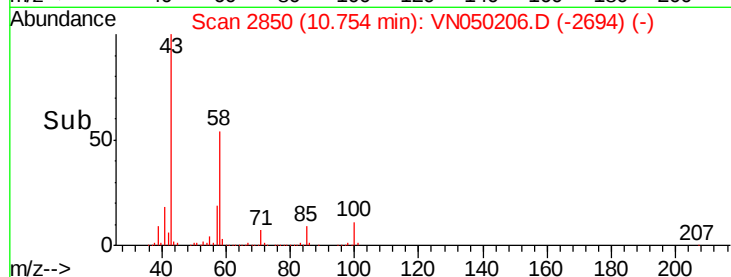
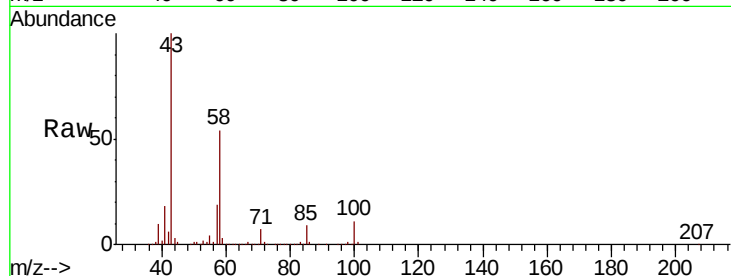
#59
2-Hexanone
Concen: 96.594 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.8	65.8
57	18.9	15.1	22.7

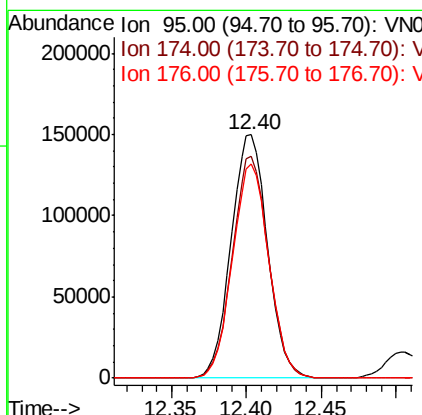
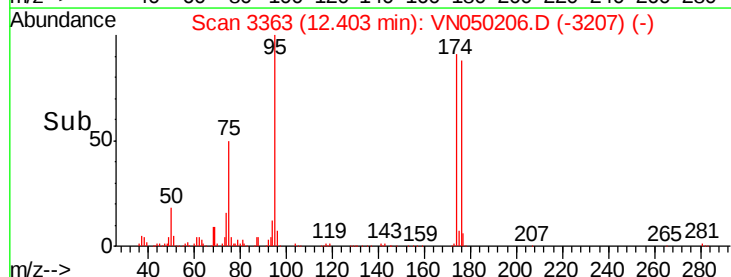
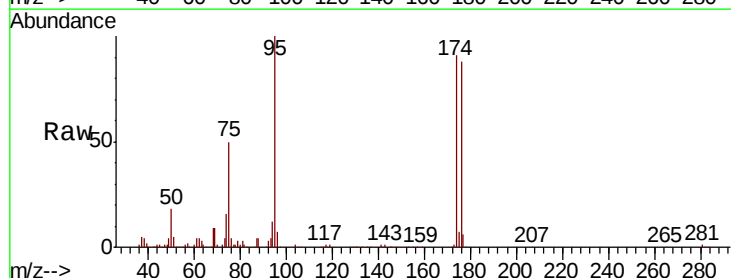
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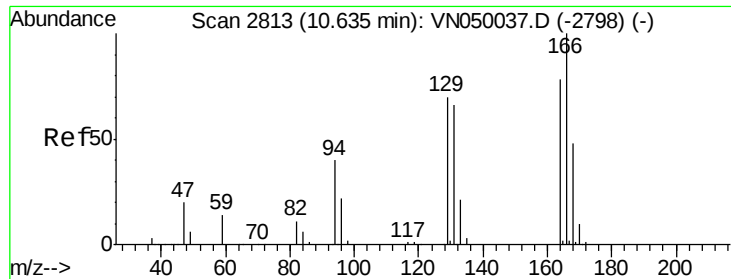
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#60
4-Bromofluorobenzene
Concen: 28.824 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	72.3	108.5
176	87.8	70.0	105.0





#61

Tetrachloroethene

Concen: 18.137 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

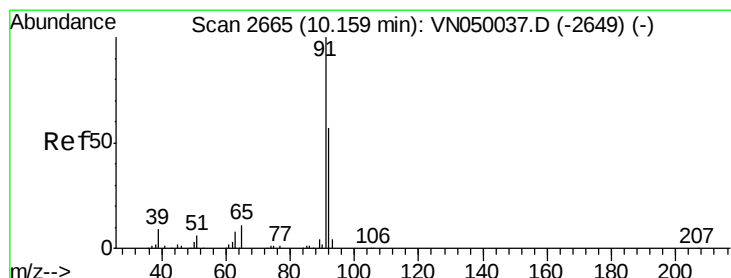
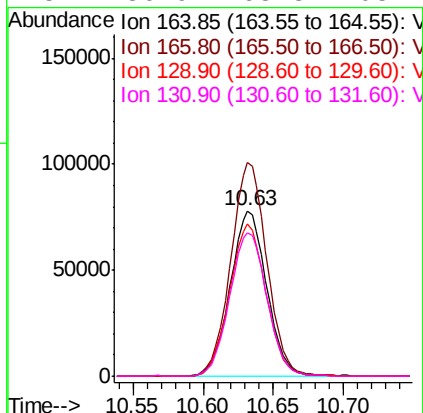
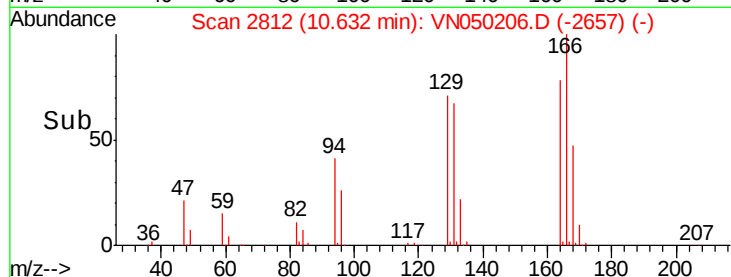
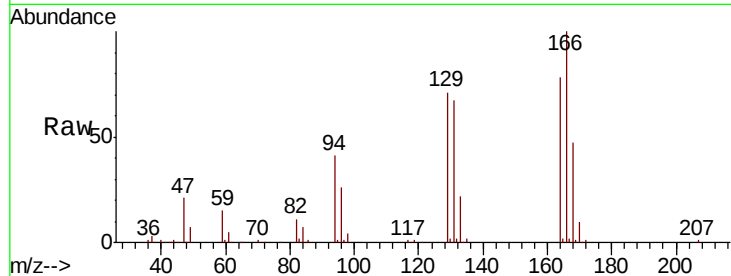
ClientSampleId :

VN0731WBSD01

Tot Ion	164	Resp	140800
Ion Ratio	Lower	Upper	
164	100		
166	129.0	100.0	150.0
129	91.7	69.3	103.9
131	86.9	68.8	103.2

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#62

Toluene

Concen: 19.052 ug/l

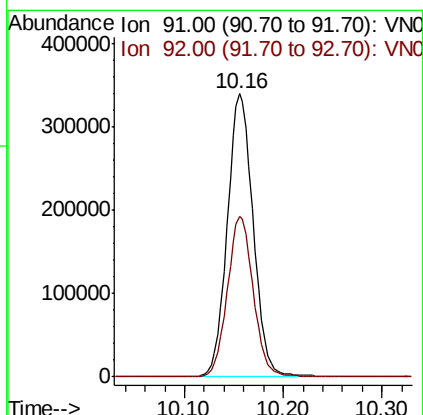
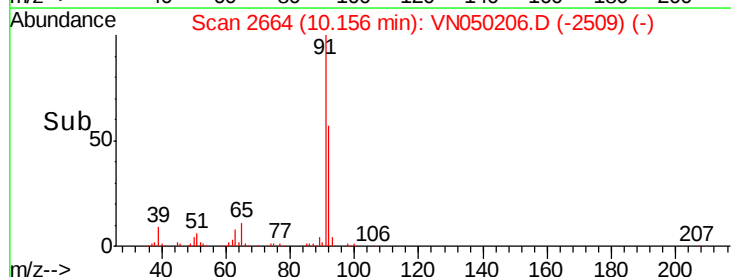
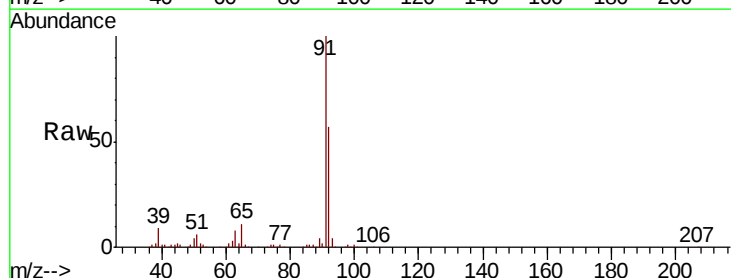
RT: 10.16 min Scan# 2664

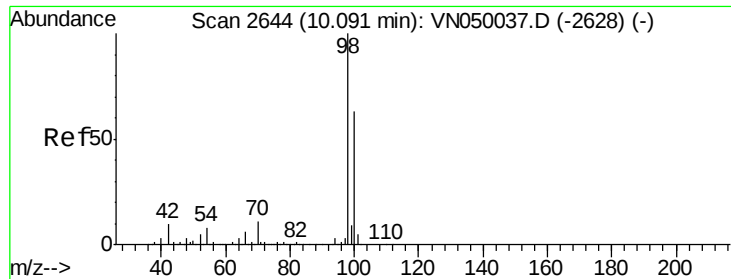
Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion	91	Resp	622990
Ion Ratio	Lower	Upper	
91	100		
92	56.6	45.7	68.5





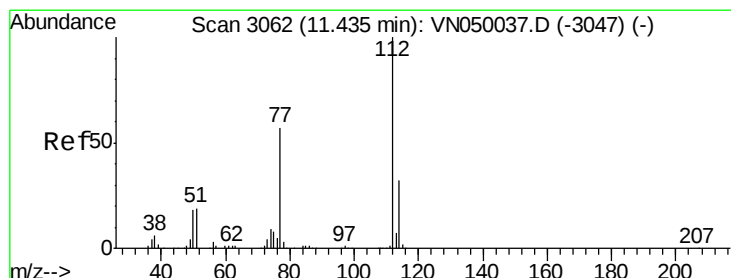
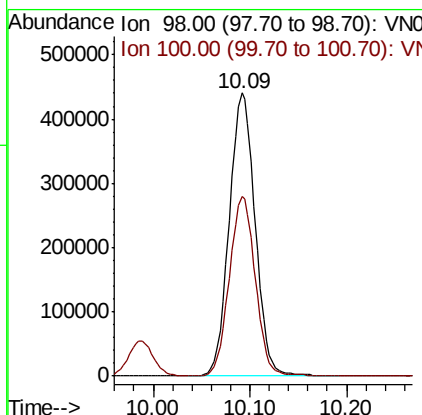
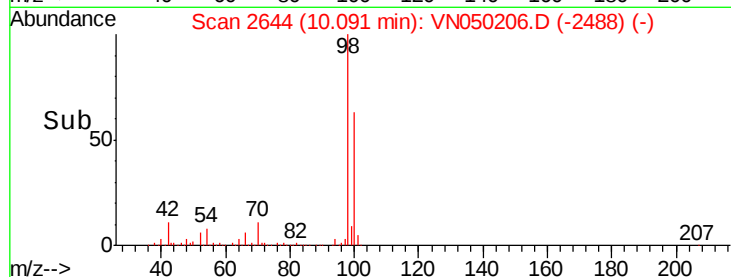
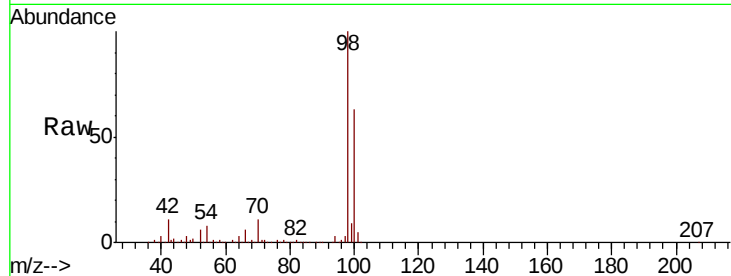
#63
Toluene-d8
Concen: 29.967 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion: 98 Resp: 820376
Ion Ratio Lower Upper
98 100
100 63.3 51.2 76.8

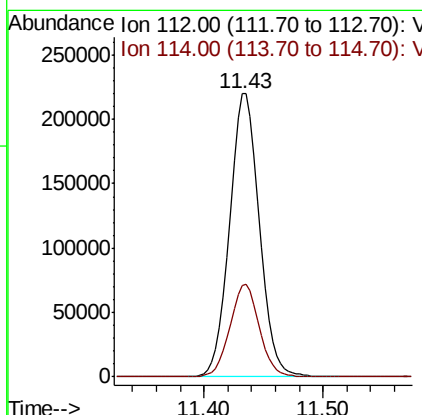
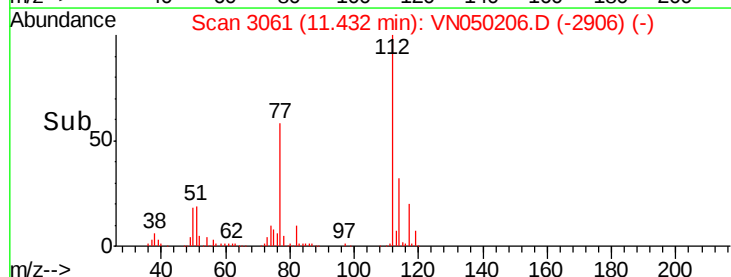
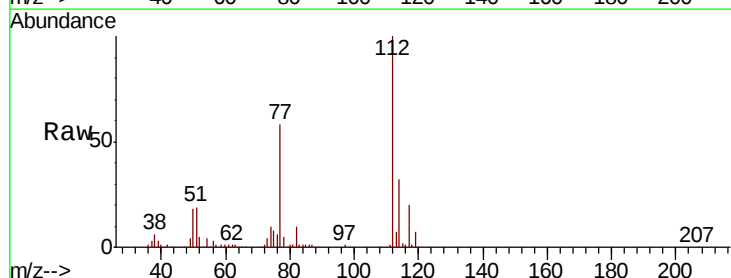
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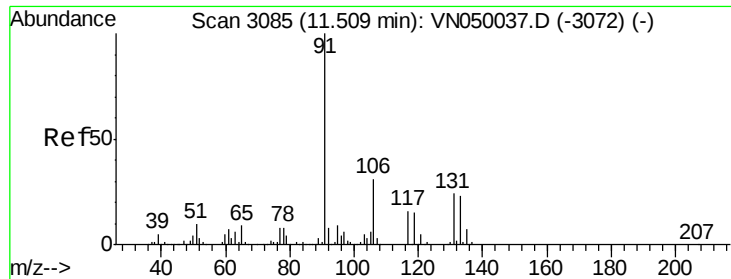
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#64
Chlorobenzene
Concen: 19.193 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion: 112 Resp: 380581
Ion Ratio Lower Upper
112 100
114 32.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.526 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

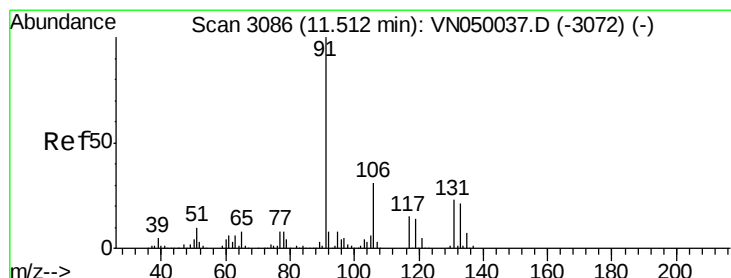
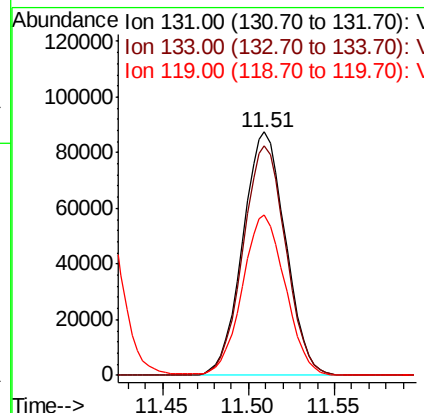
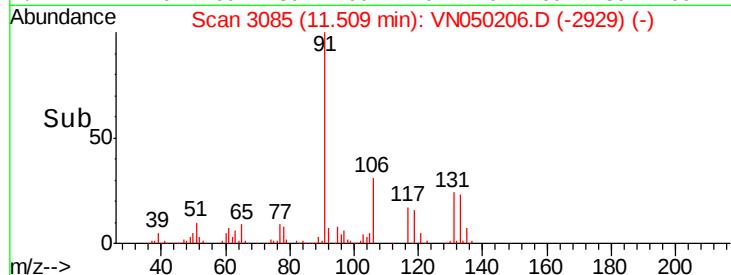
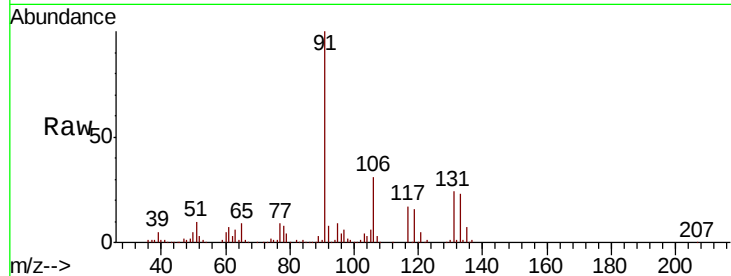
ClientSampled :

VN0731WBSD01

Tot Ion:	131	Resp:	151015
Ion Ratio	Lower	Upper	
131	100		
133	94.3	0.0	190.0
119	66.2	0.0	131.6

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#66

Ethyl Benzene

Concen: 18.439 ug/l

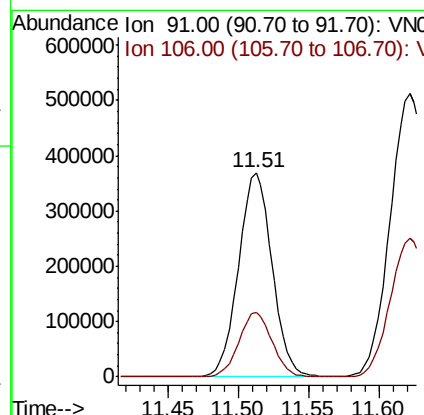
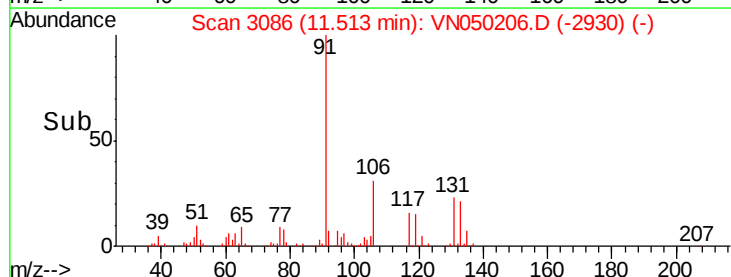
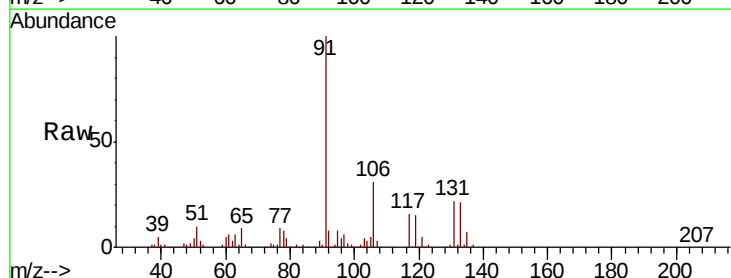
RT: 11.51 min Scan# 3086

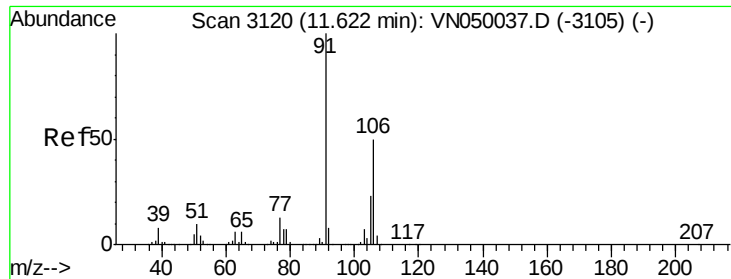
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	91	Resp:	616179
Ion Ratio	Lower	Upper	
91	100		
106	31.4	25.1	37.7





#67

m/p-Xylenes

Concen: 37.583 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion:106 Resp: 483312

Ion Ratio Lower Upper

106 100

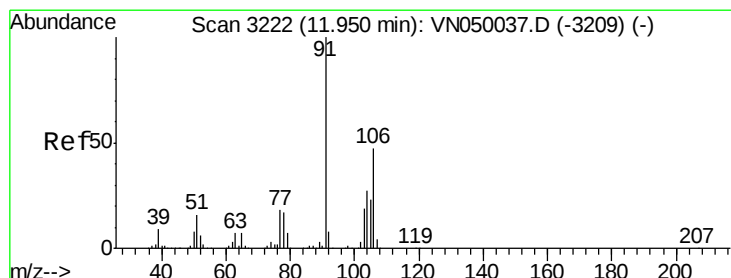
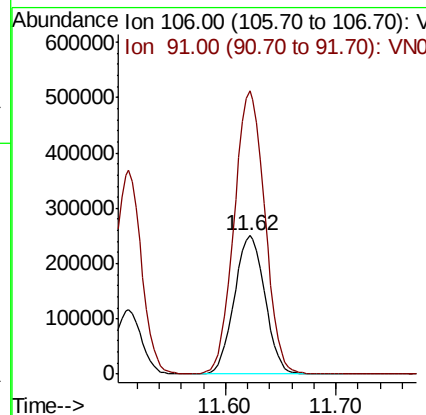
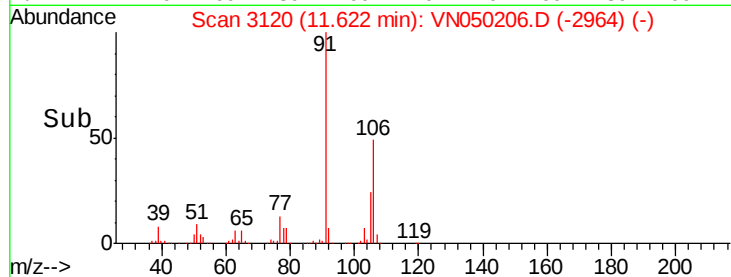
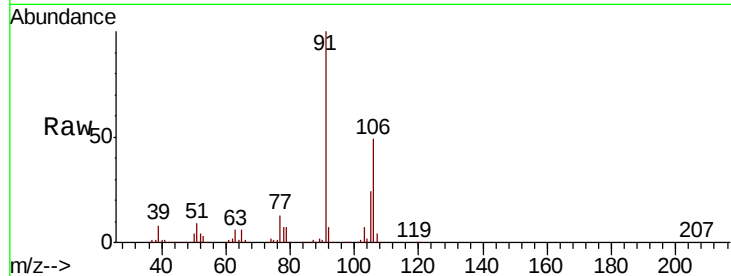
91 204.1 162.5 243.7

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#68

o-Xylene

Concen: 19.014 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050206.D

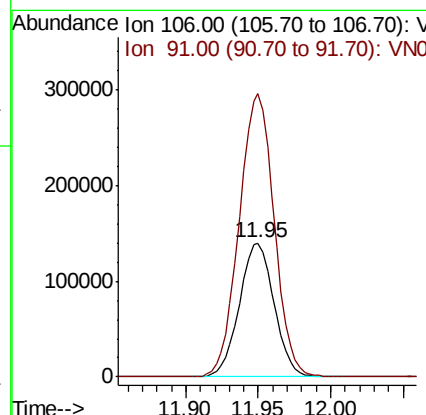
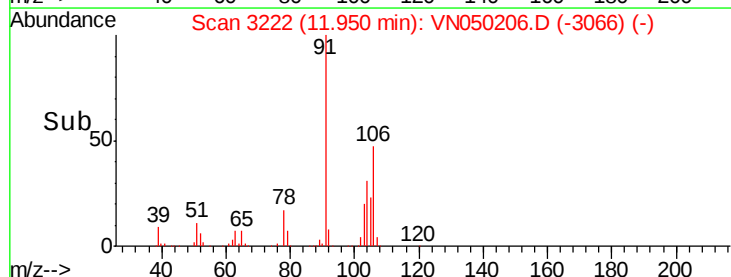
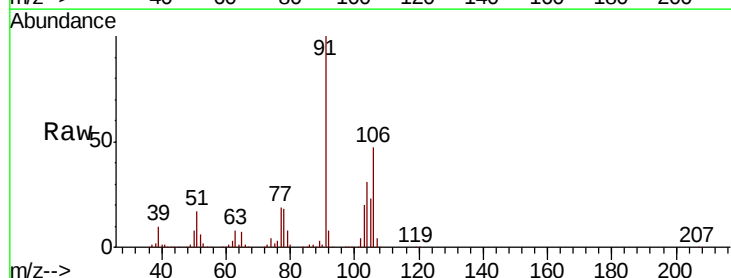
Acq: 31 Jul 2018 10:26

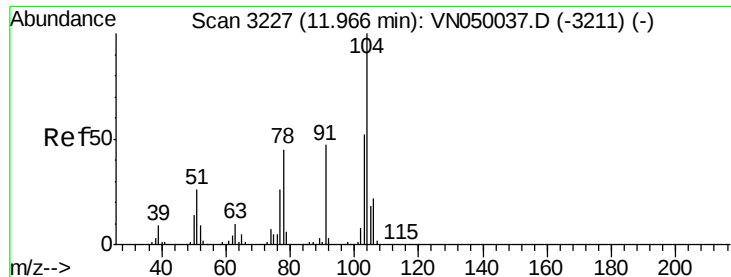
Tgt Ion:106 Resp: 232647

Ion Ratio Lower Upper

106 100

91 213.9 106.8 320.4





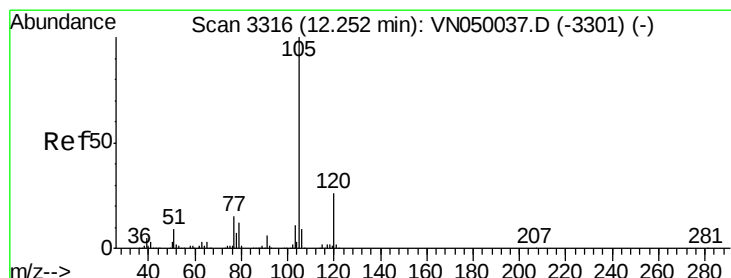
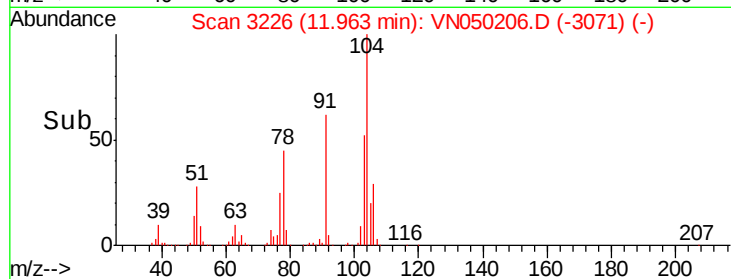
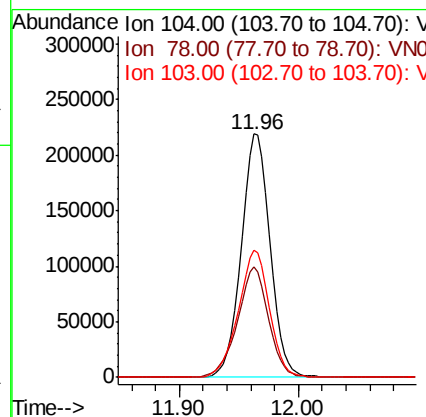
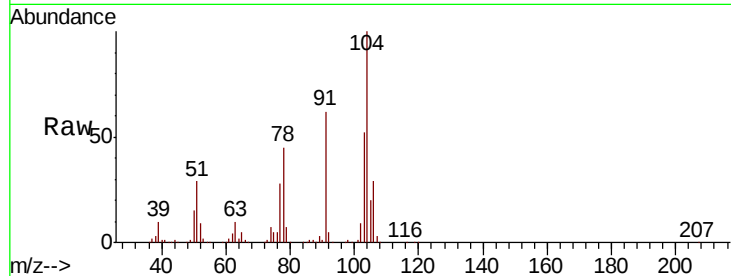
#69
Stvrene
Concen: 18.745 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.3	58.9
103	56.3	44.5	66.7

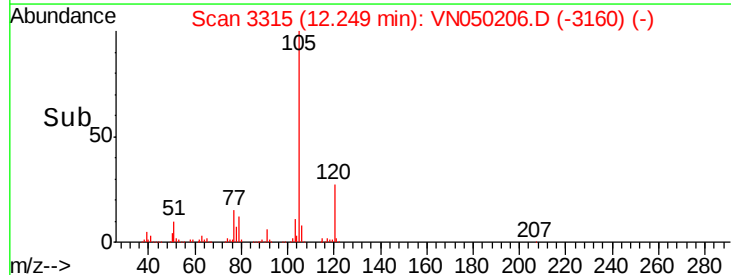
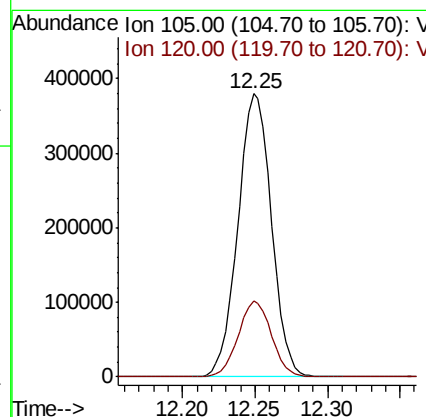
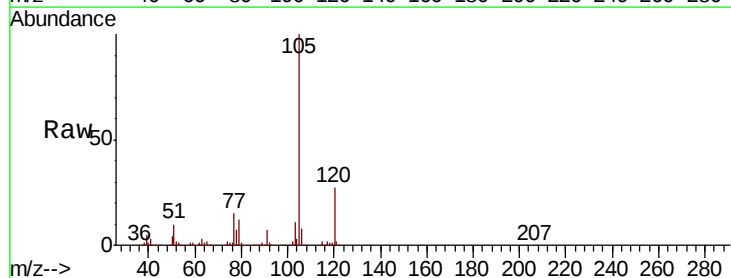
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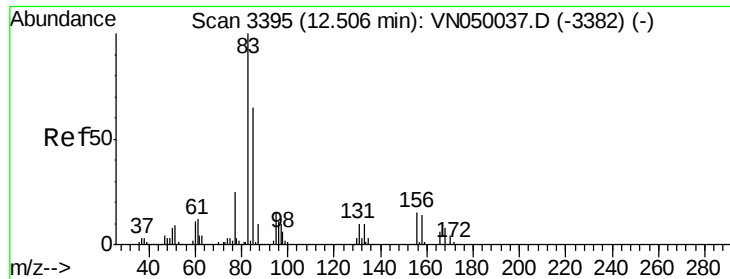
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#70
Isopropylbenzene
Concen: 18.640 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.9	35.1





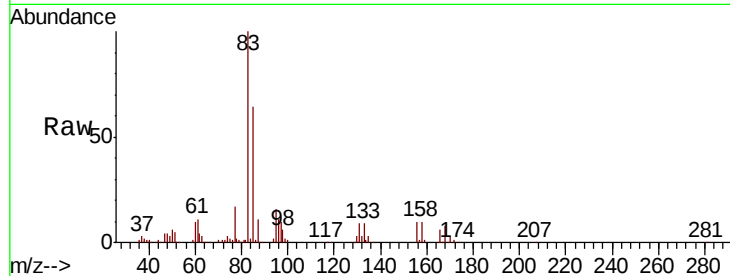
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.746 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

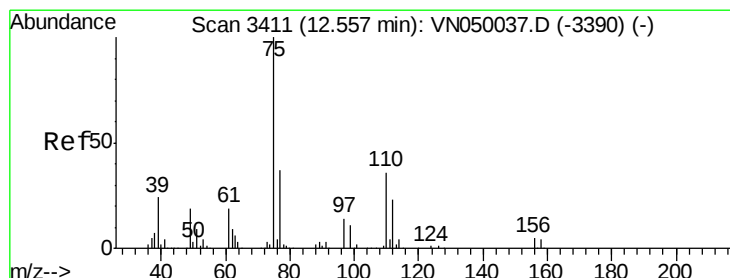
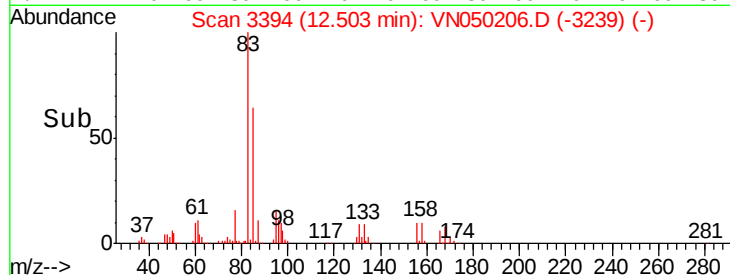
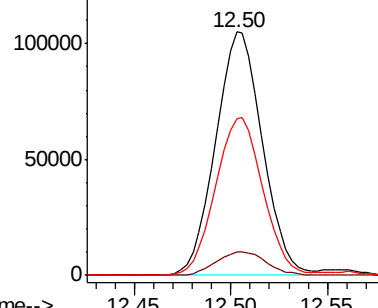
Tot Ion	Ratio	Resp	Lower	Upper
83	100	176664		
131	10.4	5.2	15.6	
85	65.5	31.7	95.1	

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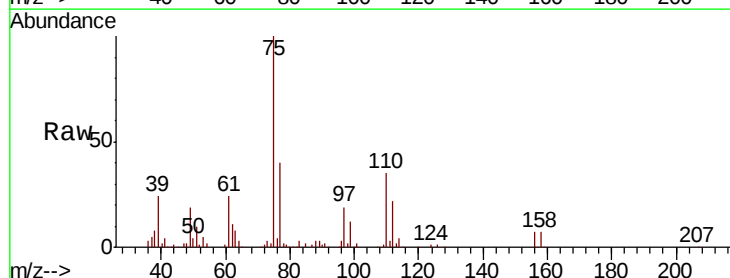


Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 131.00 (130.70 to 131.70): VNO
 Ion 85.00 (84.70 to 85.70): VNO

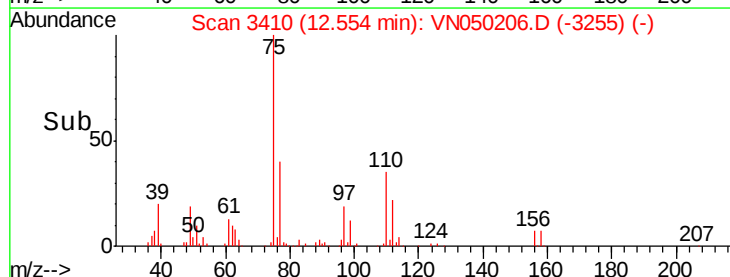
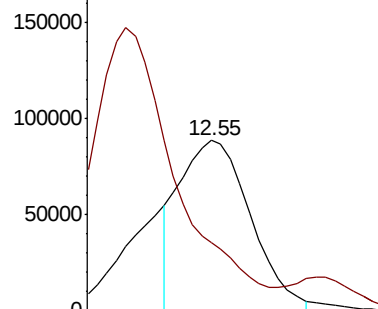


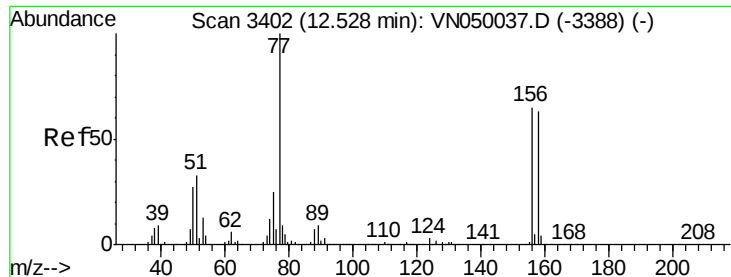
#72
 1,2,3-Trichloropropane
 Concen: 19.428 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	148461		
77	202.3	0.0	454.4	



Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO





#73

Bromobenzene

Concen: 18.540 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

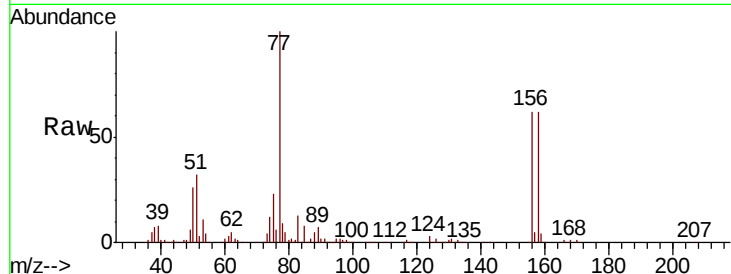
ClientSampled :

VN0731WBSD01

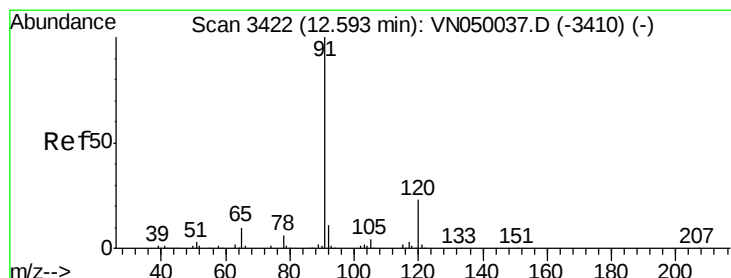
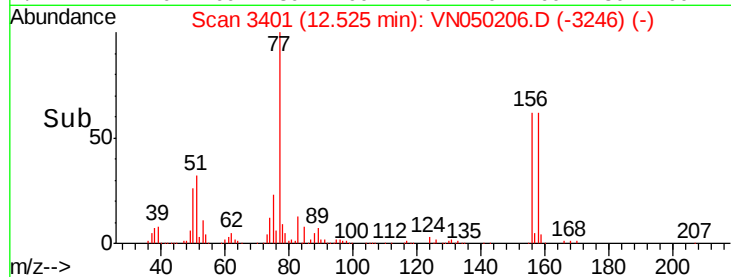
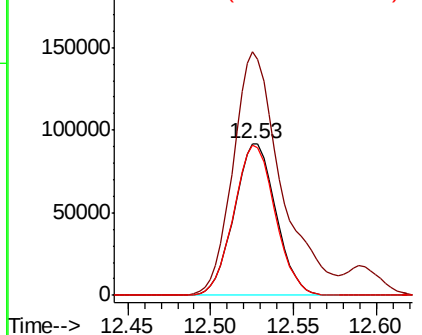
Tot Ion:	156	Resp:	160941
Ion Ratio	Lower	Upper	
156	100		
77	186.6	0.0	359.8
158	98.2	0.0	192.8

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Abundance Ion 156.00 (155.70 to 156.70): V
200000
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.115 ug/l

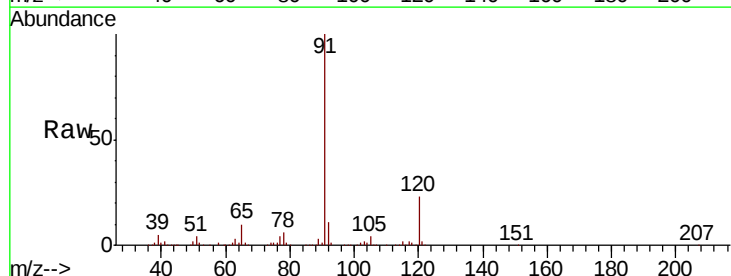
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

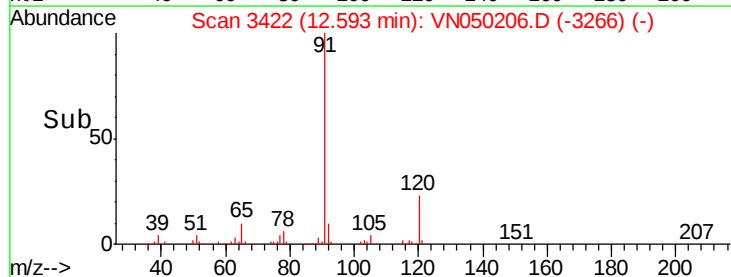
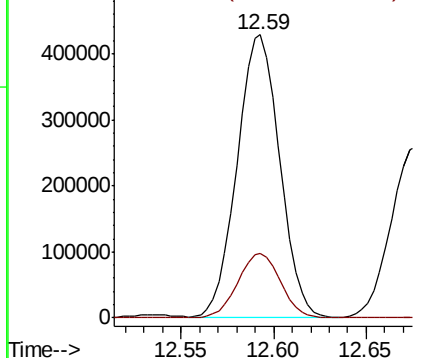
Lab File: VN050206.D

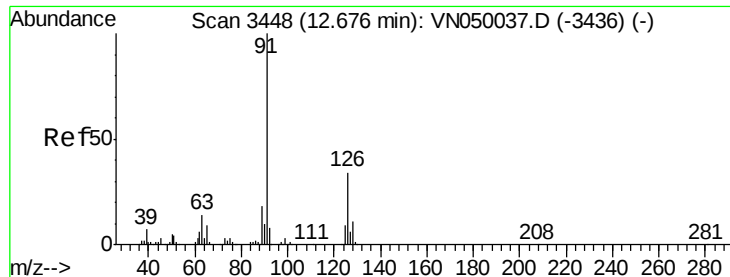
Acq: 31 Jul 2018 10:26

Tgt Ion:	91	Resp:	687509
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN
500000
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.694 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampled :

VN0731WBSD01

Tot Ion: 91 Resp: 426144

Ion Ratio Lower Upper

91 100

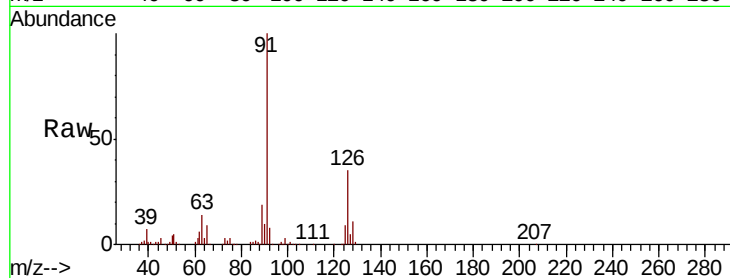
126 34.7 0.0 68.6

Manual Integrations

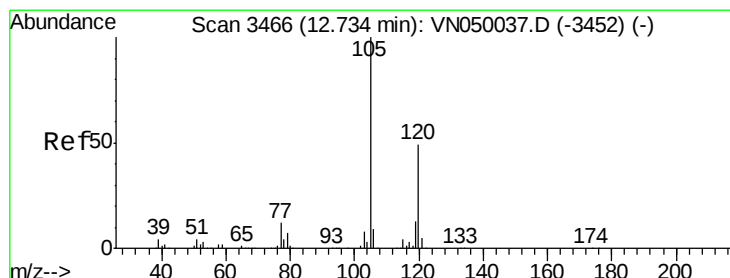
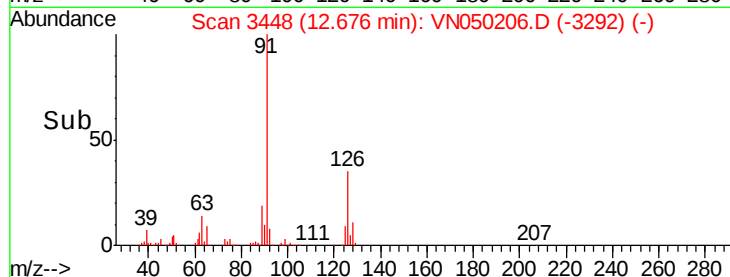
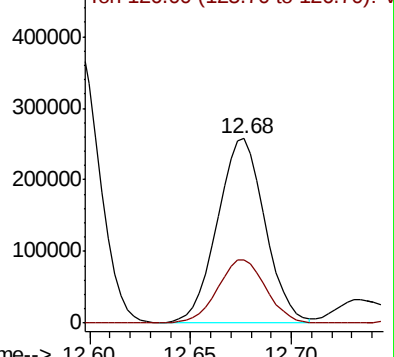
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Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.657 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050206.D

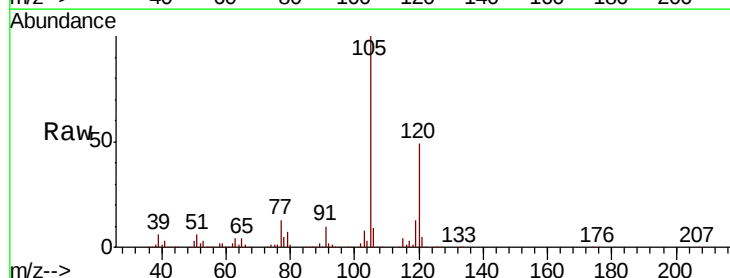
Acq: 31 Jul 2018 10:26

Tgt Ion: 105 Resp: 499355

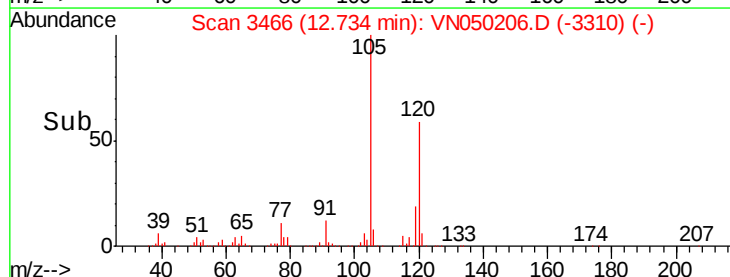
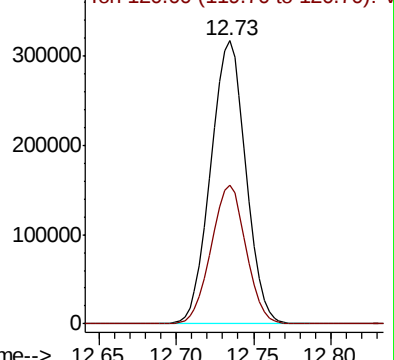
Ion Ratio Lower Upper

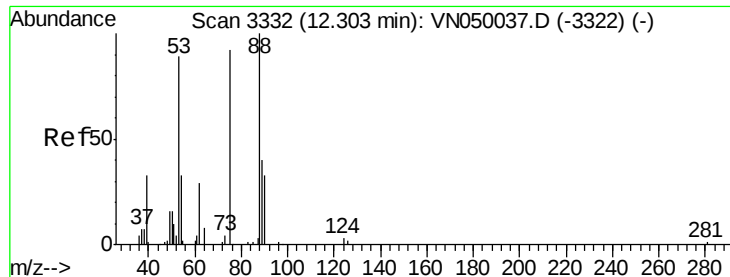
105 100

120 48.7 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.212 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion: 75 Resp: 43001

Ion Ratio Lower Upper

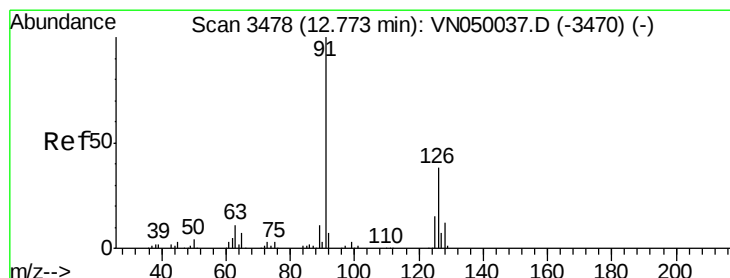
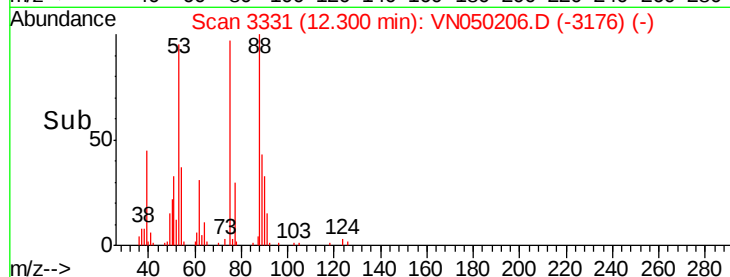
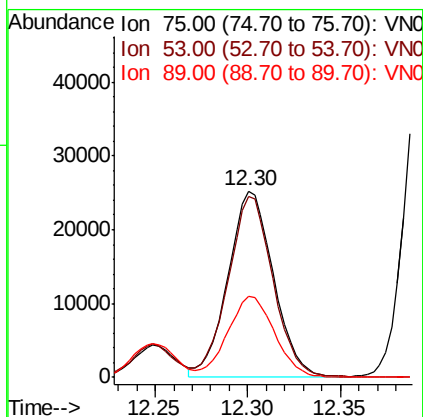
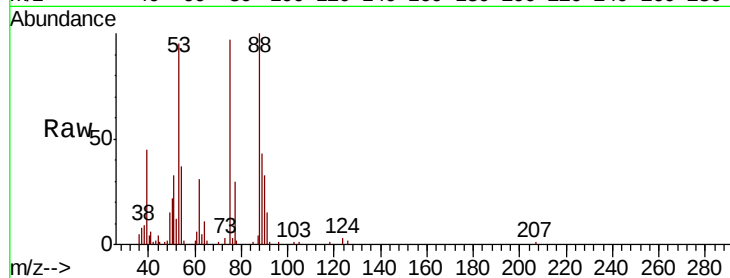
75 100

53 96.4 44.6 134.0

89 43.7 20.7 62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.627 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050206.D

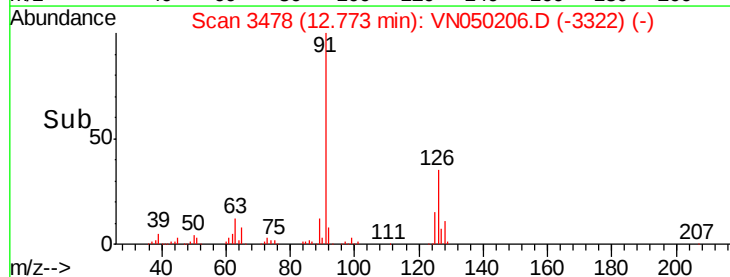
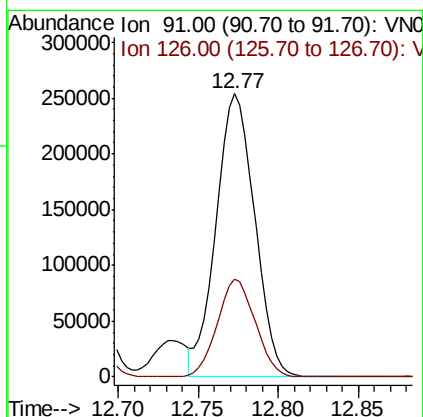
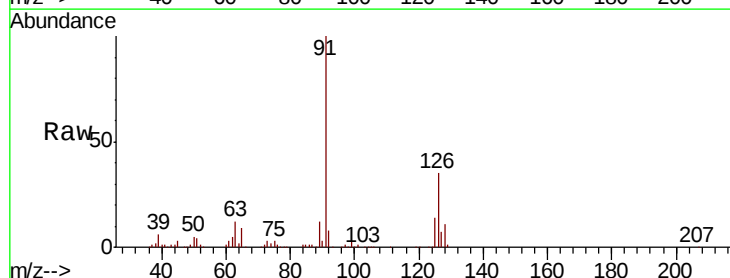
Acq: 31 Jul 2018 10:26

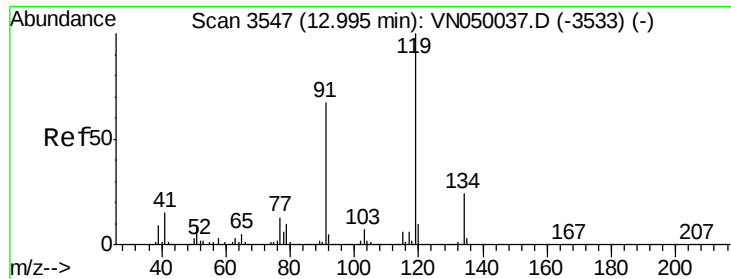
Tgt Ion: 91 Resp: 420759

Ion Ratio Lower Upper

91 100

126 33.8 0.0 68.4





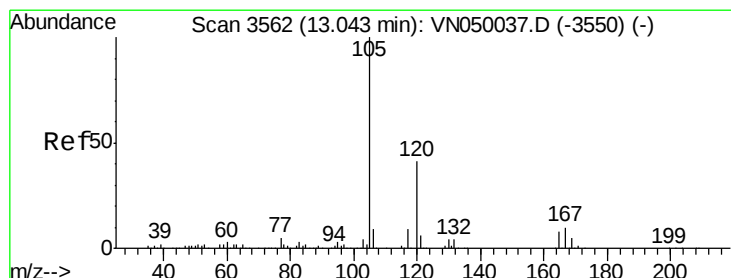
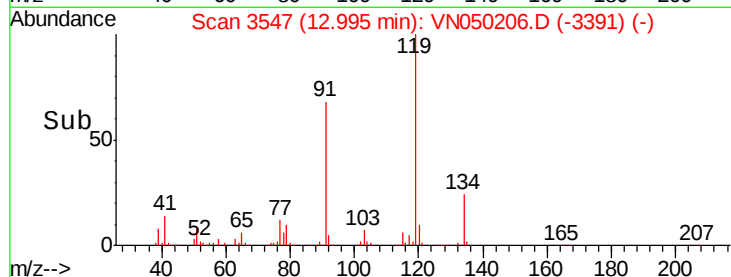
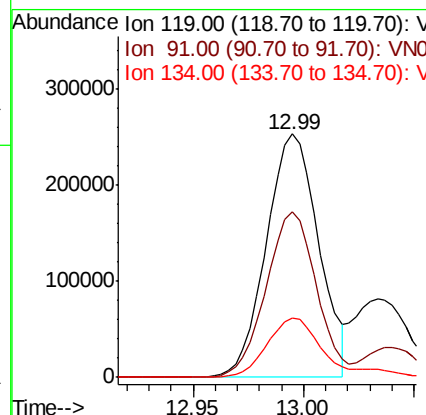
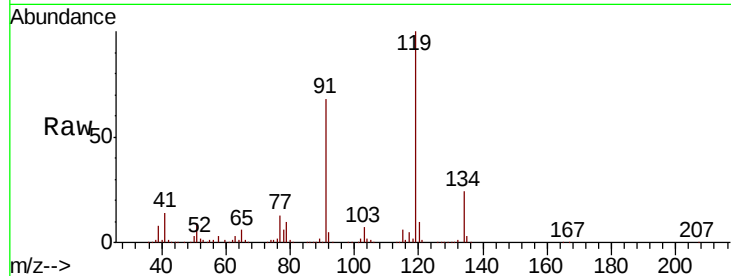
#79
tert-butylbenzene
Concen: 18.191 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	0.0	126.8
134	24.1	0.0	47.4

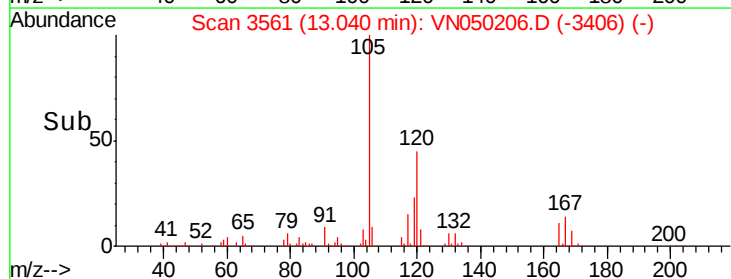
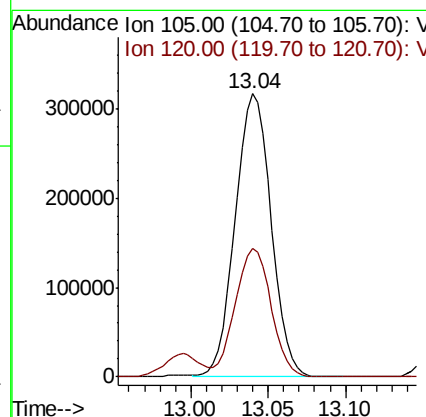
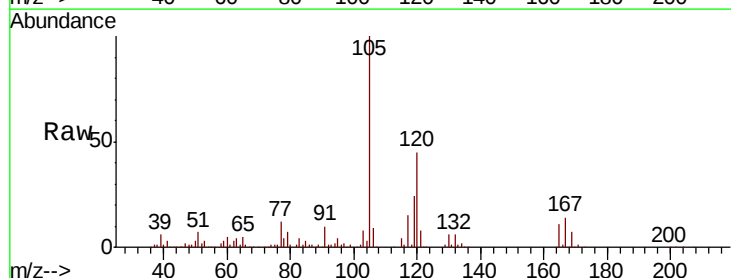
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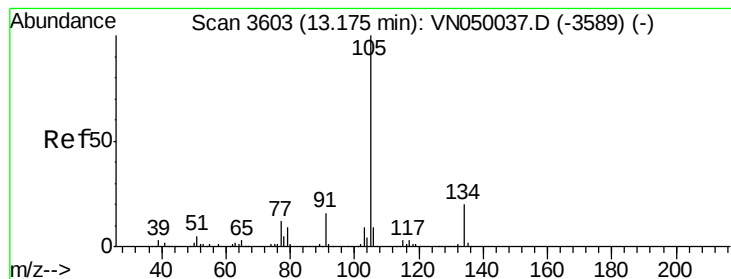
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 18.795 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	0.0	90.6





#81

sec-Butylbenzene

Concen: 18.190 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

ClientSampleId :

VN0731WBSD01

Tot Ion:105 Resp: 565454

Ion Ratio Lower Upper

105 100

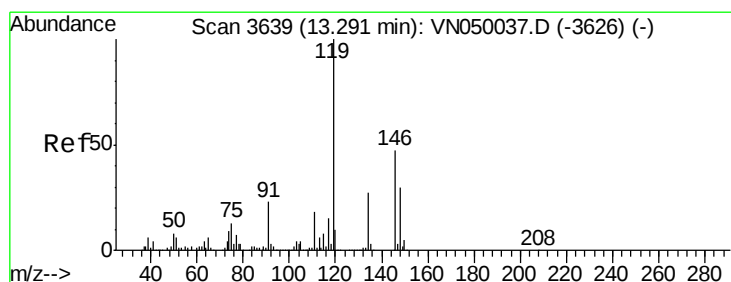
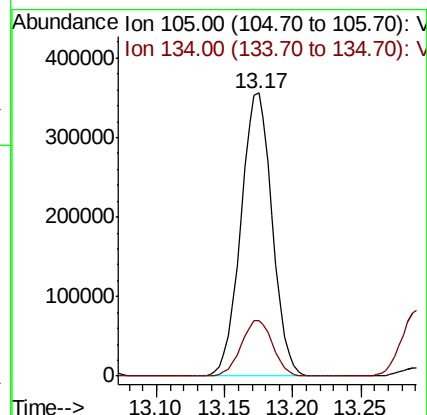
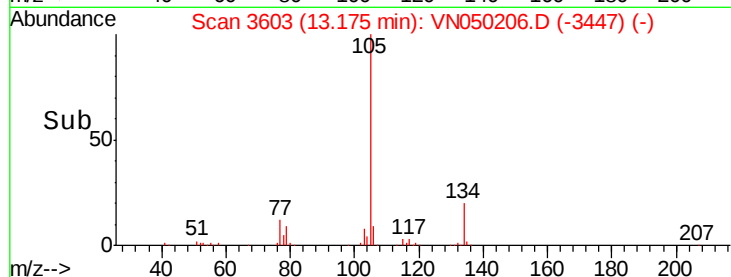
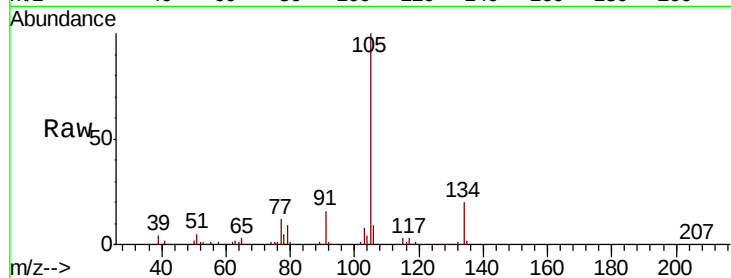
134 19.9 0.0 40.6

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 17.921 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

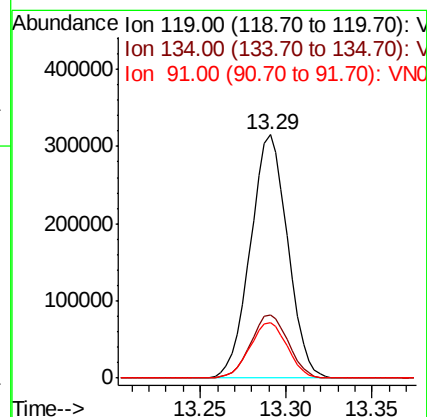
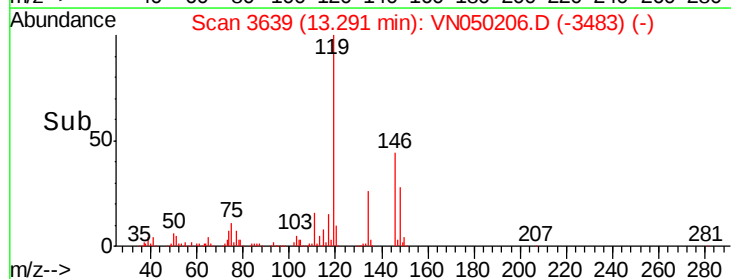
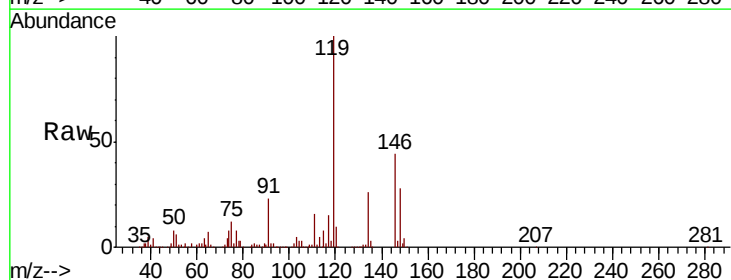
Tgt Ion:119 Resp: 475324

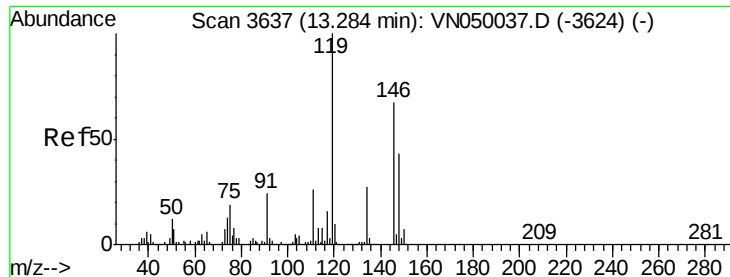
Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.2

91 23.3 0.0 45.6





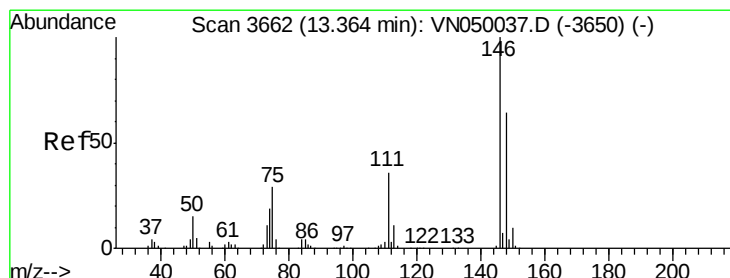
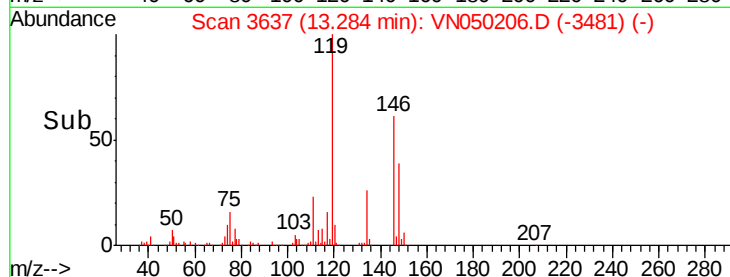
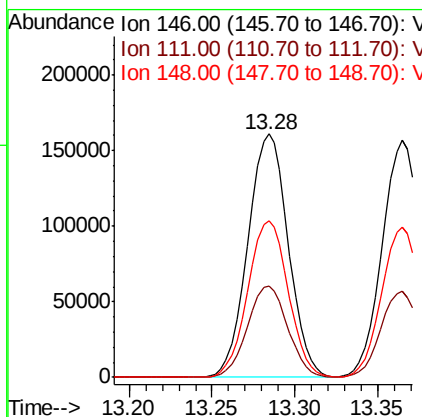
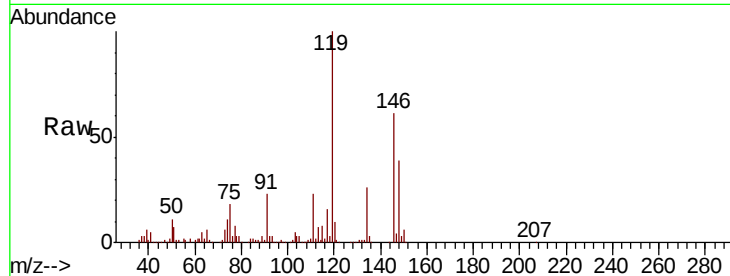
#83
 1,3-Dichlorobenzene
 Concen: 18.004 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	64.4	31.9	95.9

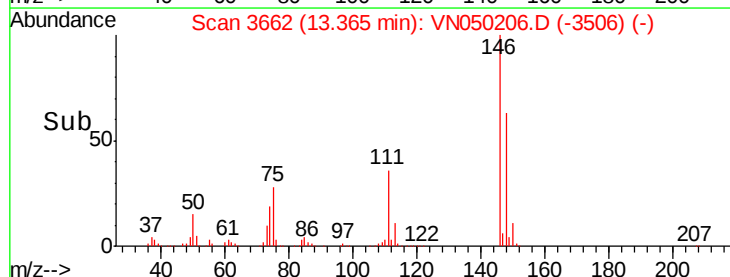
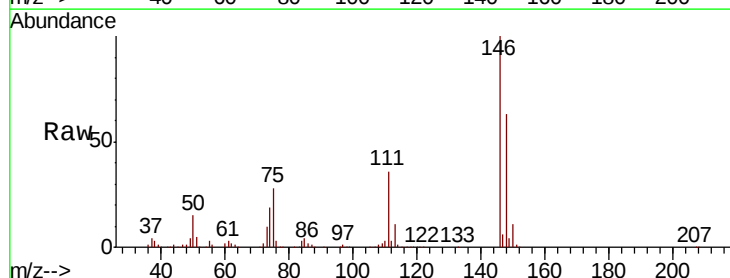
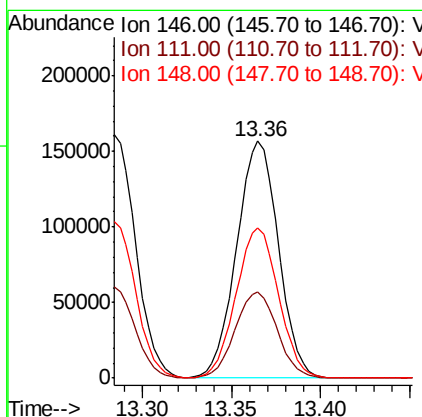
Manual Integrations
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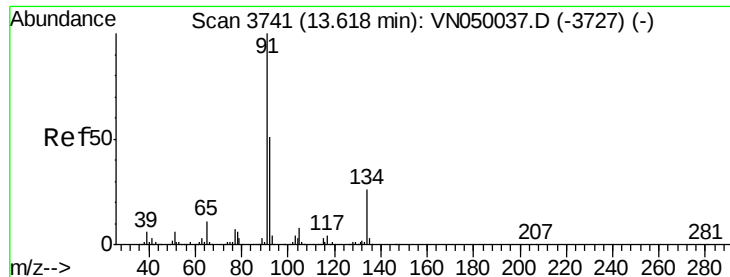
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 8/1/2018 11:13:59 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.885 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.8
148	64.5	32.4	97.0





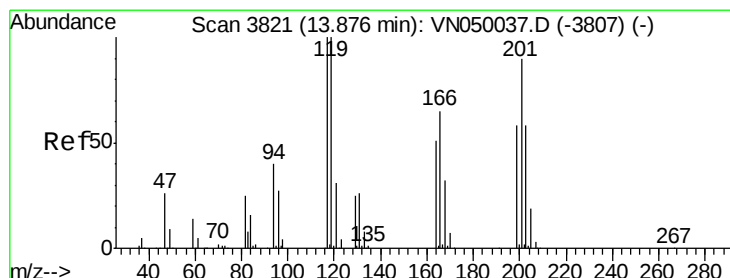
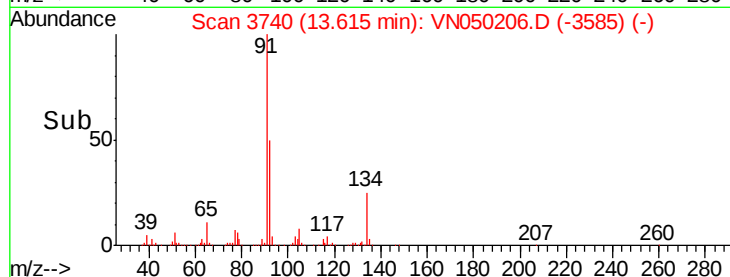
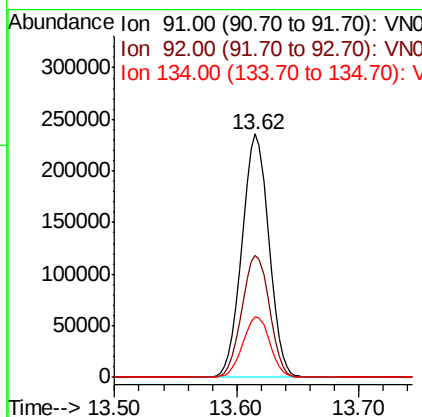
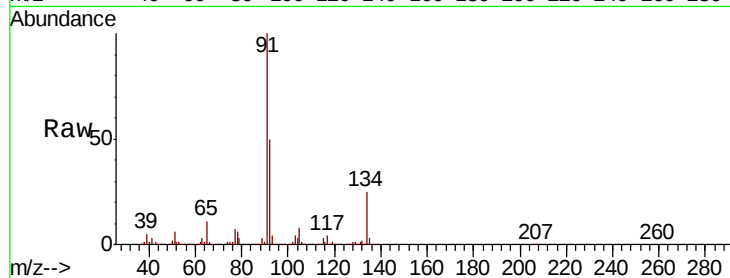
#85
n-Butylbenzene
Concen: 16.659 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampleId :
VN0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	358591		
92	51.2	0.0	102.8	
134	25.1	0.0	51.0	

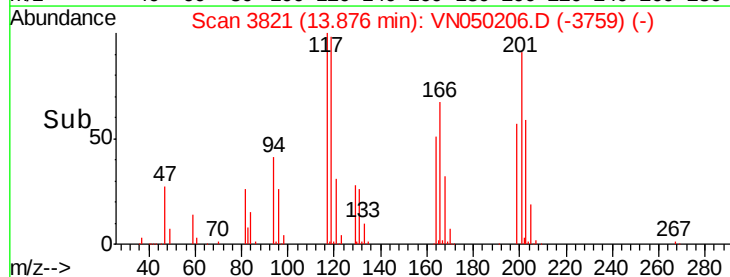
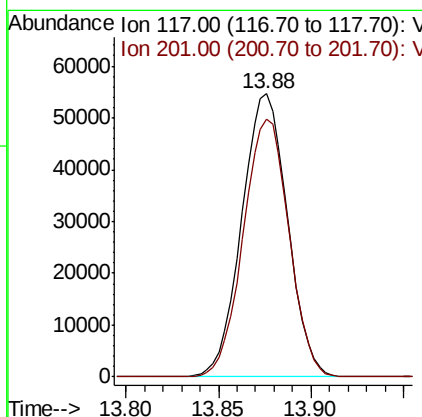
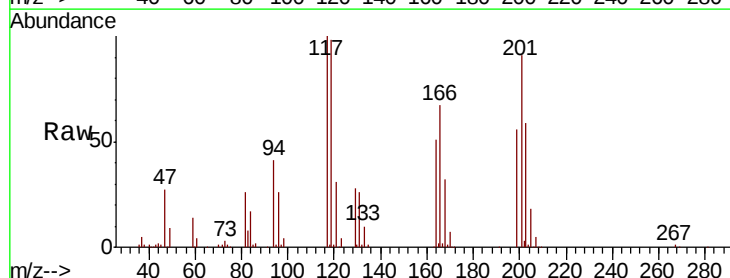
Manual Integrations
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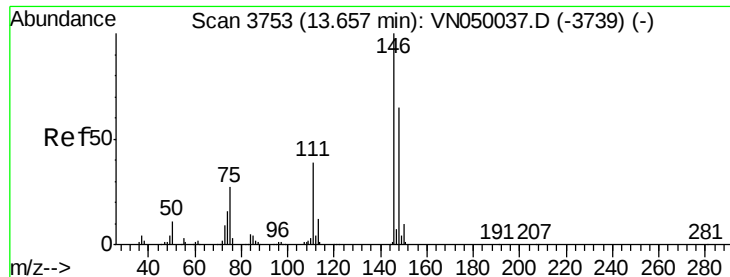
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#86
Hexachloroethane
Concen: 17.646 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93529		
201	90.6	46.6	139.7	





#87

1,2-Dichlorobenzene

Concen: 18.594 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Instrument :

MSVOA_N

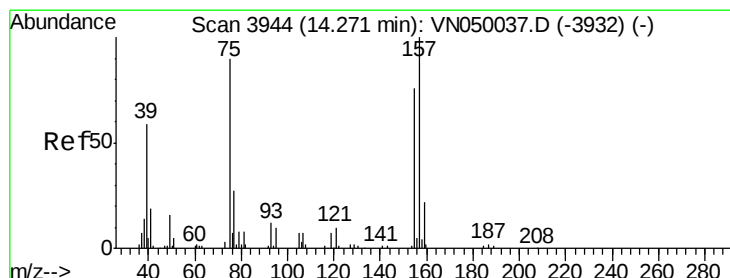
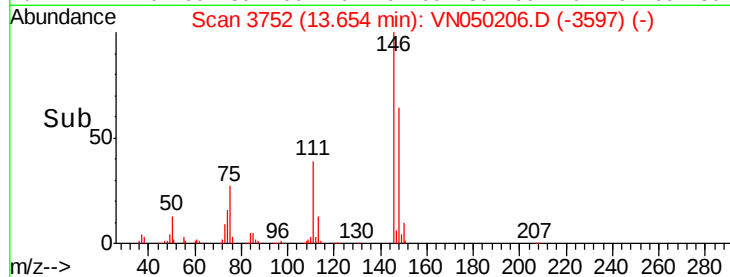
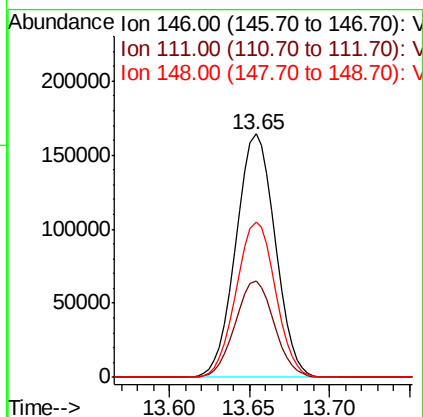
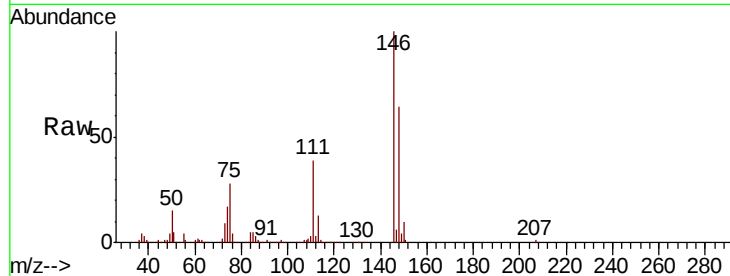
ClientSampled :

VN0731WBSD01

Tot Ion:	146	Resp:	274717
Ion Ratio		Lower	Upper
146	100		
111	39.3	19.8	59.3
148	64.0	31.8	95.3

Manual Integrations
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8/1/2018 11:13:59 AM



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.189 ug/l

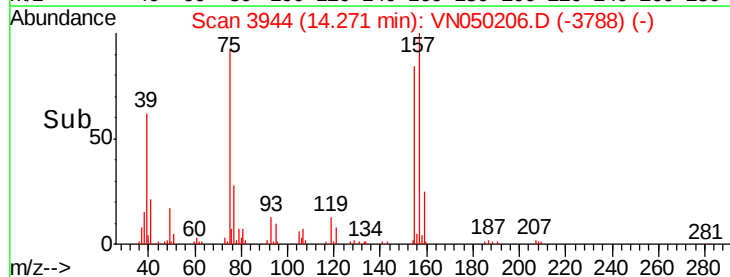
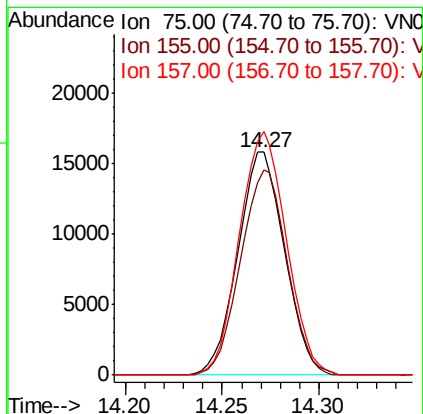
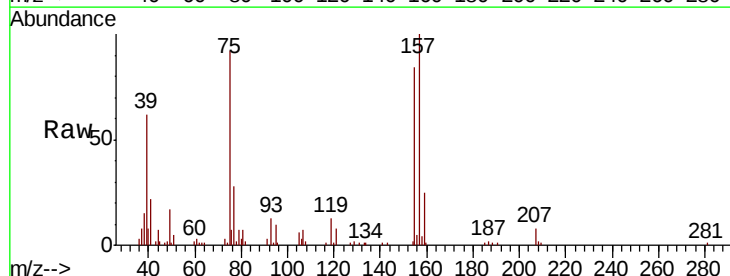
RT: 14.27 min Scan# 3944

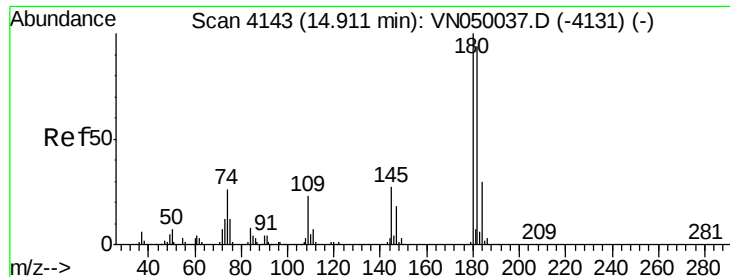
Delta R.T. 0.00 min

Lab File: VN050206.D

Acq: 31 Jul 2018 10:26

Tgt Ion:	75	Resp:	26745
Ion Ratio		Lower	Upper
75	100		
155	91.1	73.0	109.6
157	109.1	94.9	142.3





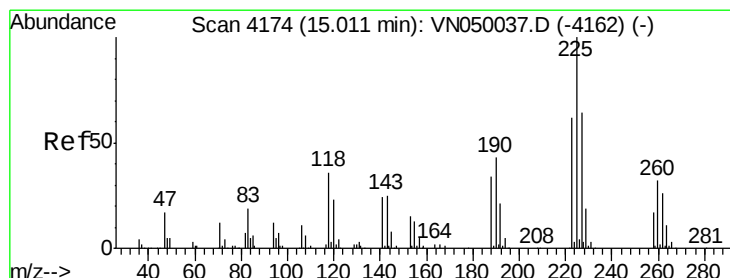
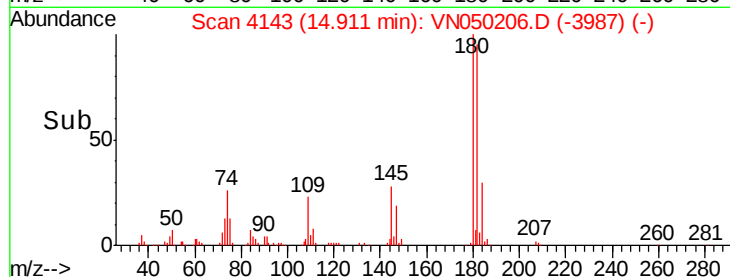
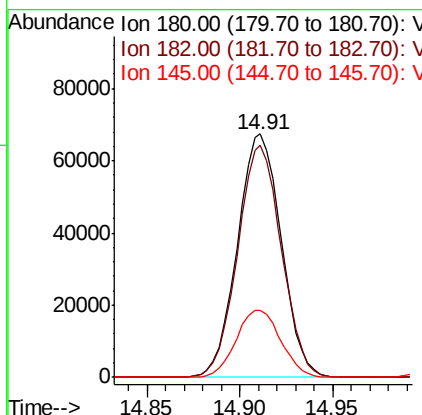
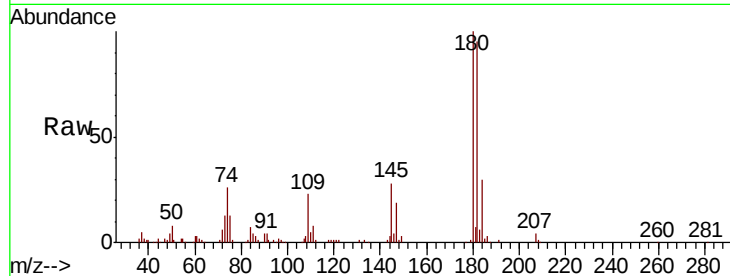
#89
 1,2,4-Trichlorobenzene
 Concen: 15.686 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0731WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.7	115.1
145	28.1	23.4	35.0

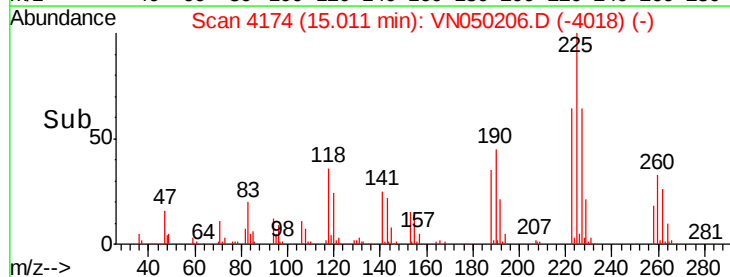
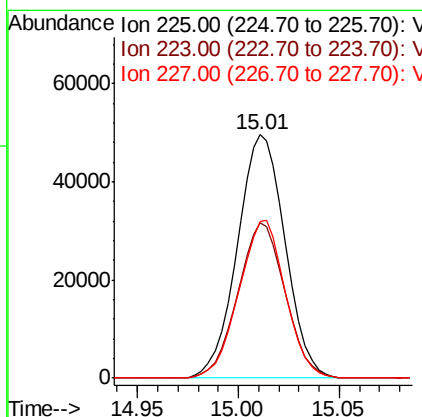
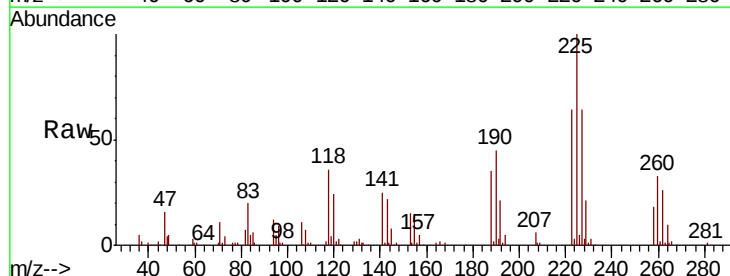
Manual Integrations
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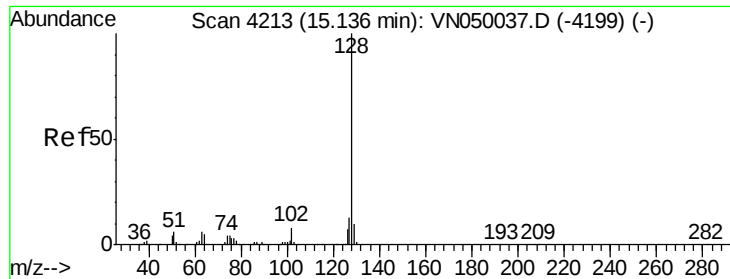
MMDadoda
 8/1/2018 11:13:59 AM



#90
 Hexachlorobutadiene
 Concen: 17.612 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050206.D
 Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	124.4
227	63.2	0.0	133.0





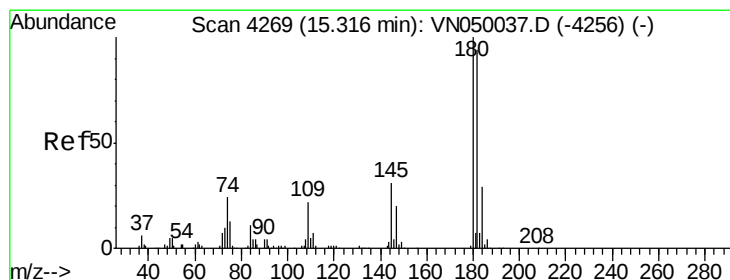
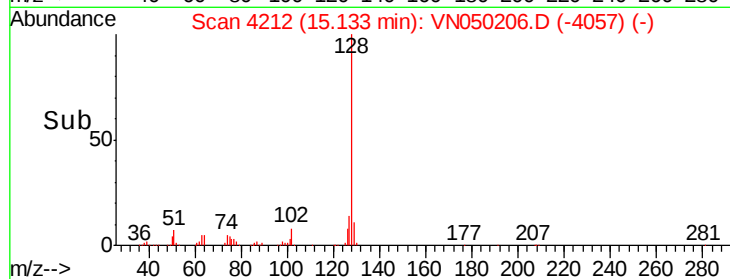
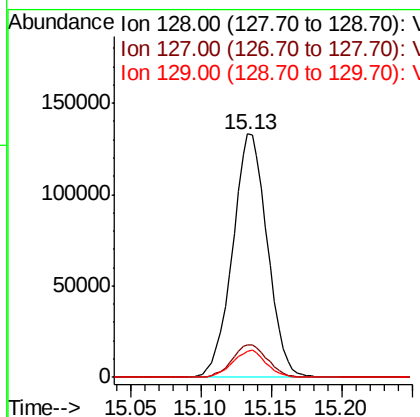
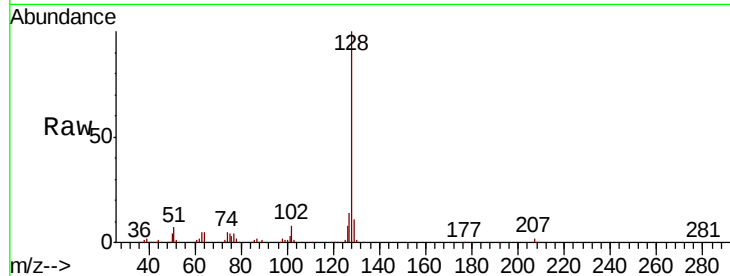
#91
Naphthalene
Concen: 18.022 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Instrument :
MSVOA_N
ClientSampled :
VN0731WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	229632		
127	13.5	10.2	15.4	
129	10.7	9.0	13.4	

Manual Integrations
APPROVED

MMDadoda
8/1/2018 11:13:59 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.350 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050206.D
Acq: 31 Jul 2018 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	117343		
182	97.0	0.0	188.8	
145	31.0	0.0	60.8	

