

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050458.D
 Acq On : 8 Aug 2018 14:50
 Operator : MD\SY
 Sample : VN0808MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/9/2018 1:32:15 PM

Quant Time: Aug 09 01:04:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	759232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1139267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1028169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	510793	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	475805	46.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.82%	
35) Dibromofluoromethane	7.59	113	434489	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
50) Toluene-d8	10.09	98	1641803	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
62) 4-Bromofluorobenzene	12.40	95	549118	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158320	18.79	ug/l	100
3) Chloromethane	2.06	50	195914	18.76	ug/l	100
4) Vinyl Chloride	2.18	62	209591	19.21	ug/l	98
5) Bromomethane	2.56	94	119926	22.77	ug/l	99
6) Chloroethane	2.70	64	128952	19.18	ug/l	97
7) Trichlorofluoromethane	3.01	101	274579	19.49	ug/l	99
8) Diethyl Ether	3.41	74	100387	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	163591	18.79	ug/l	98
10) Methyl Iodide	3.95	142	87439	22.79	ug/l	97
11) Tert butyl alcohol	4.79	59	69045	84.73	ug/l	99
12) 1,1-Dichloroethene	3.73	96	157242	19.16	ug/l	96
13) Acrolein	3.61	56	68019	75.33	ug/l	99
14) Allyl chloride	4.32	41	240141	18.22	ug/l	98
15) Acrylonitrile	5.00	53	298901	87.57	ug/l	99
16) Acetone	3.82	43	268554	88.54	ug/l	97
17) Carbon Disulfide	4.05	76	449490	16.84	ug/l	99
18) Methyl Acetate	4.33	43	147192	18.60	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	458766	19.69	ug/l	98
20) Methylene Chloride	4.55	84	182673	18.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	168287	18.95	ug/l	96
22) Diisopropyl ether	5.96	45	528698	19.63	ug/l	96
23) Vinyl Acetate	5.90	43	1809643	94.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	314180	19.01	ug/l	98
25) 2-Butanone	6.84	43	431855	85.91	ug/l	99
26) 2,2-Dichloropropane	6.83	77	241557	17.73	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	193062	19.61	ug/l	98
28) Bromochloromethane	7.20	49	141225	18.57	ug/l	95
29) Tetrahydrofuran	7.22	42	232165	86.29	ug/l	99
30) Chloroform	7.37	83	321678	19.47	ug/l	100
31) Cyclohexane	7.66	56	278302	18.74	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	275667	19.43	ug/l	99
36) 1,1-Dichloropropene	7.80	75	239361	19.12	ug/l	100
37) Ethyl Acetate	6.93	43	156052	17.31	ug/l	100
38) Carbon Tetrachloride	7.77	117	244165	18.70	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	247583	18.12	ug/l	98
40) Benzene	8.04	78	734577	19.09	ug/l	99
41) Methacrylonitrile	7.18	41	82108	17.13	ug/l	83
42) 1,2-Dichloroethane	8.13	62	232271	19.01	ug/l	99
43) Isopropyl Acetate	8.17	43	274624	17.65	ug/l	95
44) Trichloroethene	8.84	130	199085	19.25	ug/l	97
45) 1,2-Dichloropropane	9.12	63	186900	18.47	ug/l	98
46) Dibromomethane	9.21	93	117493	18.81	ug/l	97
47) Bromodichloromethane	9.41	83	242102	18.71	ug/l	99
48) Methyl methacrylate	9.20	41	136886	17.55	ug/l	98
49) 1,4-Dioxane	9.20	88	40363	335.73	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	992039	88.52	ug/l	99
52) Toluene	10.16	92	458565	19.84	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	240153	18.48	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	277543	19.14	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	170837	18.93	ug/l	99
56) Ethyl methacrylate	10.43	69	215729	18.02	ug/l	98
57) 1,3-Dichloropropane	10.71	76	282167	19.05	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	494560	88.02	ug/l	98
59) 2-Hexanone	10.75	43	653395	83.54	ug/l	98
60) Dibromochloromethane	10.90	129	182965	18.40	ug/l	98
61) 1,2-Dibromoethane	11.01	107	169330	19.04	ug/l	99
64) Tetrachloroethene	10.63	164	195260	20.32	ug/l	98
65) Chlorobenzene	11.44	112	504008	19.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	181330	19.33	ug/l	97
67) Ethyl Benzene	11.51	91	836875	20.09	ug/l	99
68) m/p-Xylenes	11.62	106	649455	40.94	ug/l	99
69) o-Xylene	11.95	106	314128	20.56	ug/l	99
70) Styrene	11.97	104	500393	20.14	ug/l	100
71) Bromoform	12.13	173	127030	18.53	ug/l #	99
73) Isopropylbenzene	12.25	105	829188	21.63	ug/l	100
74) N-amyl acetate	12.07	43	231430	18.62	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	208383	18.84	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	179079m	19.37	ug/l	
77) Bromobenzene	12.53	156	214915	20.92	ug/l	98
78) n-propylbenzene	12.59	91	906882	20.90	ug/l	99
79) 2-Chlorotoluene	12.68	91	561069	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	668683	21.48	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50133	19.05	ug/l	96
82) 4-Chlorotoluene	12.77	91	560741	20.98	ug/l	100
83) tert-Butylbenzene	12.99	119	580719	21.39	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	685303	21.73	ug/l	99
85) sec-Butylbenzene	13.17	105	736333	20.35	ug/l	100
86) p-Isopropyltoluene	13.29	119	639046	20.60	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	365137	19.96	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	354333	19.39	ug/l	98
89) n-Butylbenzene	13.62	91	494809	18.74	ug/l	99
90) Hexachloroethane	13.88	117	103613	18.79	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	359069	19.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31677	16.86	ug/l	98

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Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

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Quant Title : SW846 8260
QLast Update : Tue Aug 07 05:22:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	169655	18.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	107040	19.99	ug/l	97
95) Naphthalene	15.14	128	390244	18.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	166206	17.60	ug/l	99

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

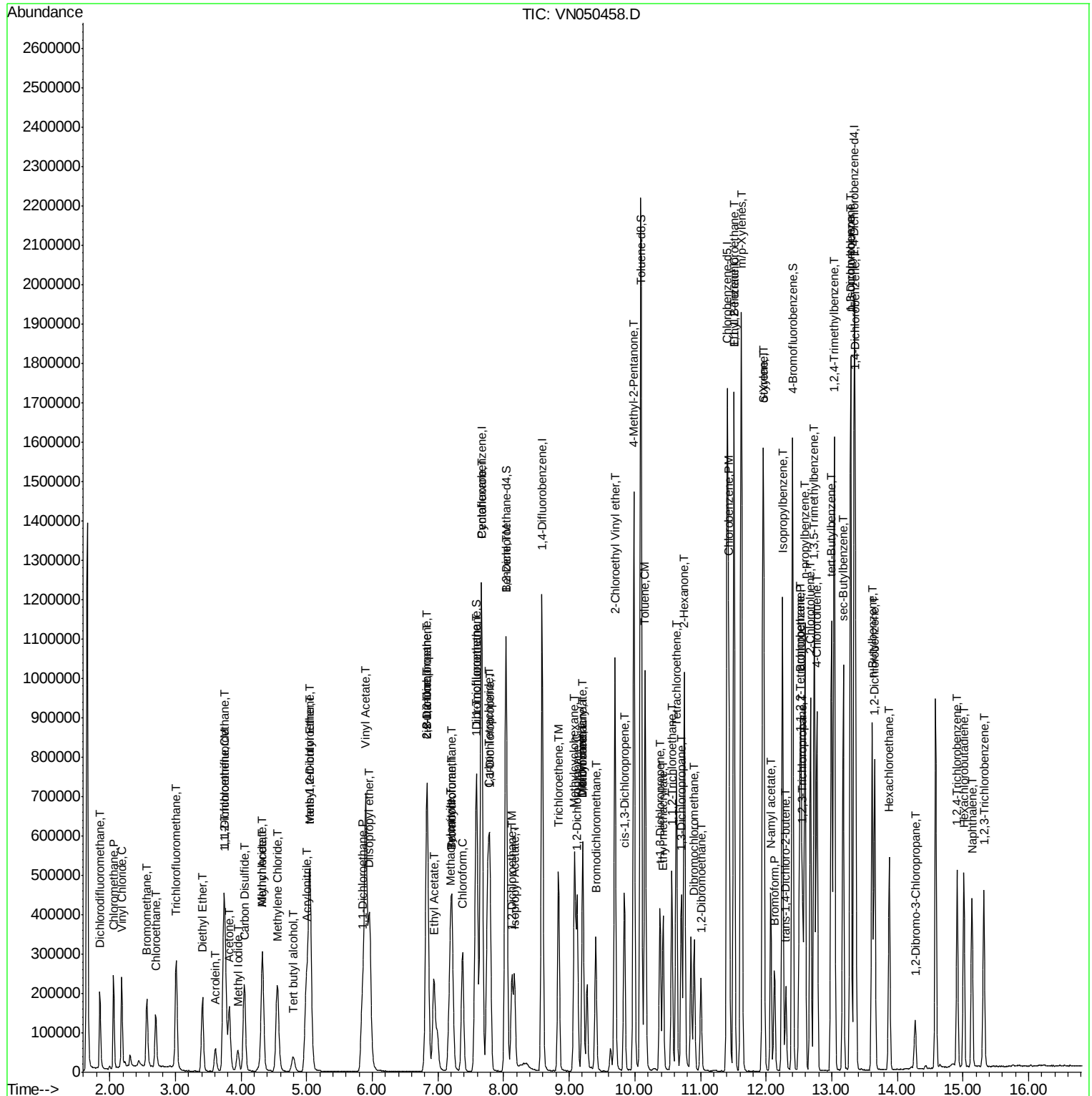
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080818\
 Data File : VN050458.D
 Acq On : 8 Aug 2018 14:50
 Operator : MD\SY
 Sample : VN0808MBS01
 Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

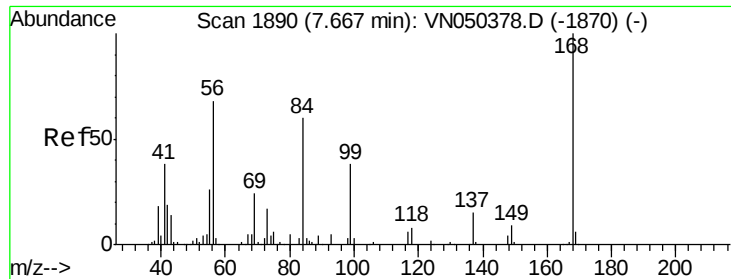
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0808MBS01

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion:168 Resp: 759232

Ion Ratio Lower Upper

168 100

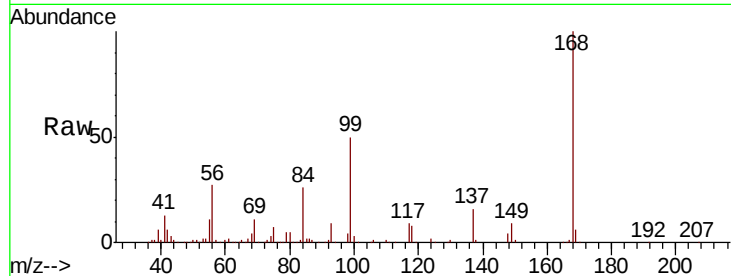
99 49.5 40.0 60.0

Manual Integrations

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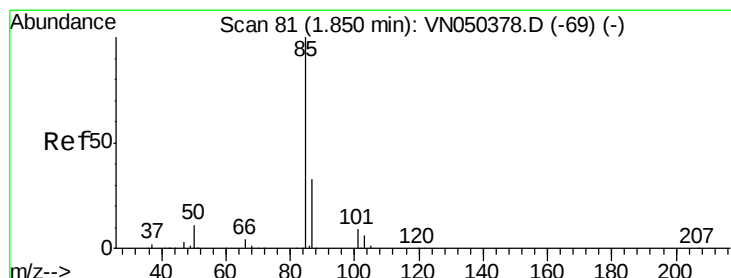
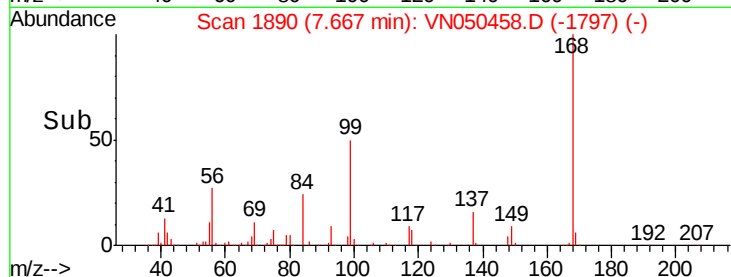
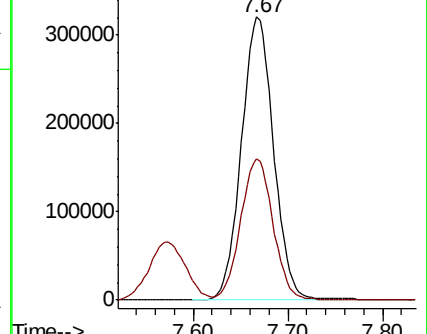
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.79 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050458.D

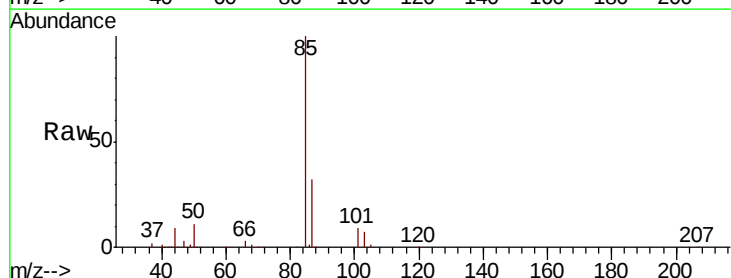
Acq: 8 Aug 2018 14:50

Tgt Ion: 85 Resp: 158320

Ion Ratio Lower Upper

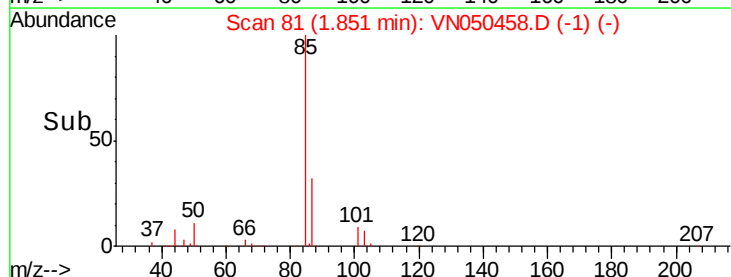
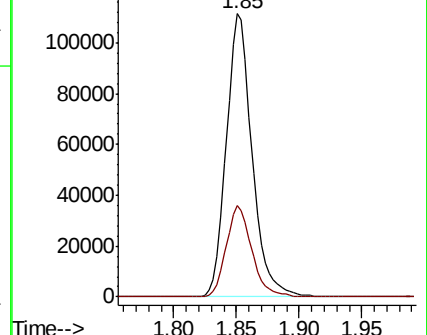
85 100

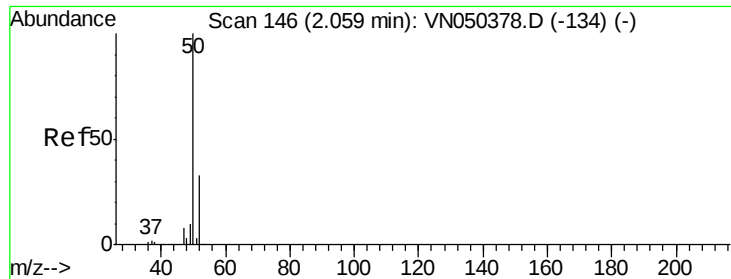
87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.76 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 50 Resp: 195914

Ion Ratio Lower Upper

50 100

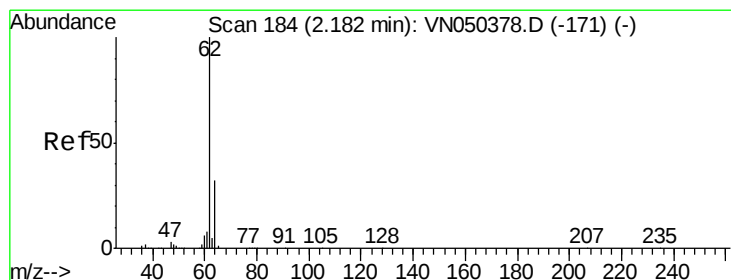
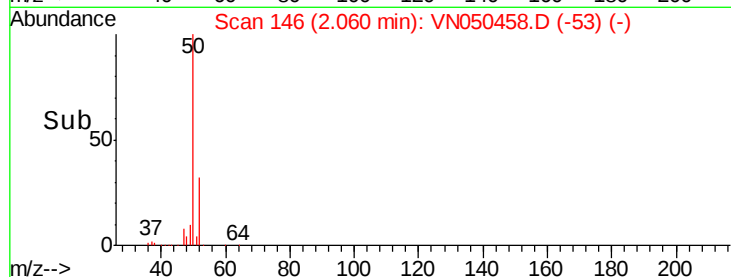
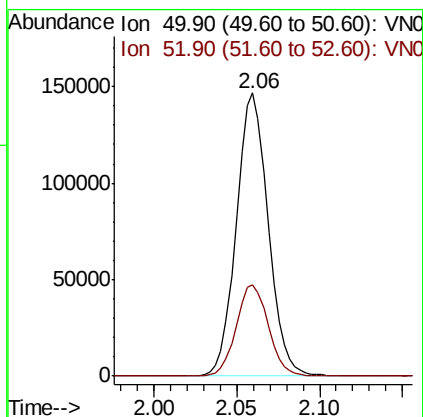
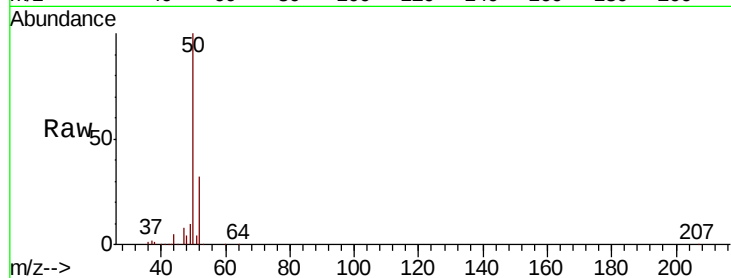
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.21 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050458.D

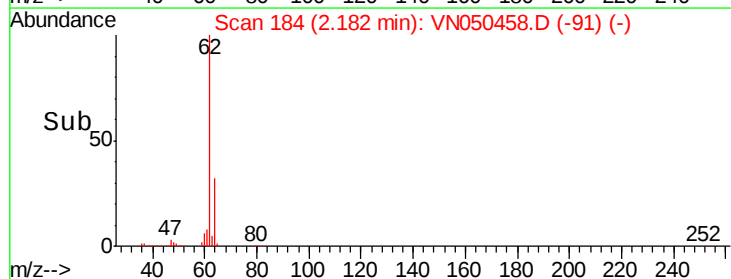
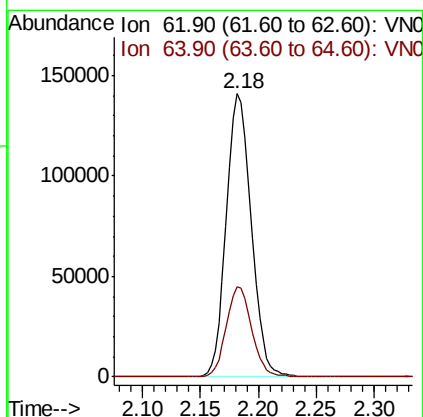
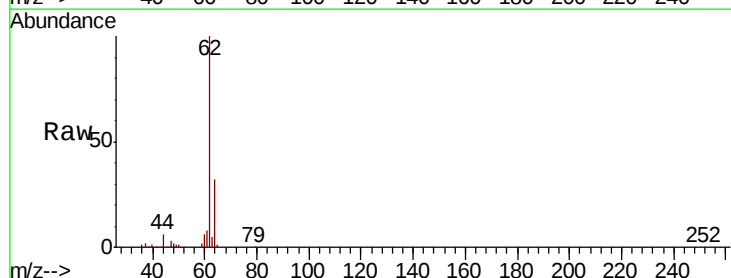
Acq: 8 Aug 2018 14:50

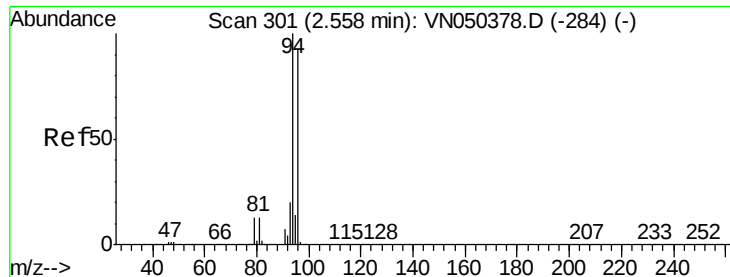
Tgt Ion: 62 Resp: 209591

Ion Ratio Lower Upper

62 100

64 31.8 24.7 37.1





#5

Bromomethane

Concen: 22.77 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

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Tot Ion: 94 Resp: 119926

Ion Ratio Lower Upper

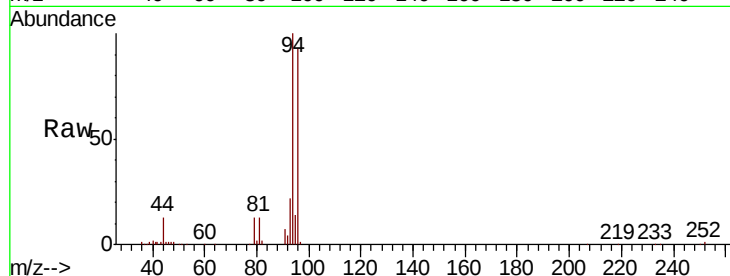
94 100

96 92.7 74.6 112.0

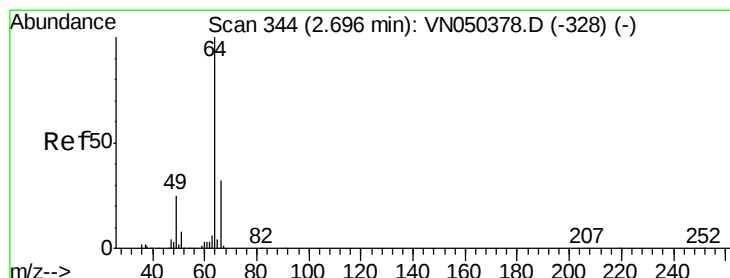
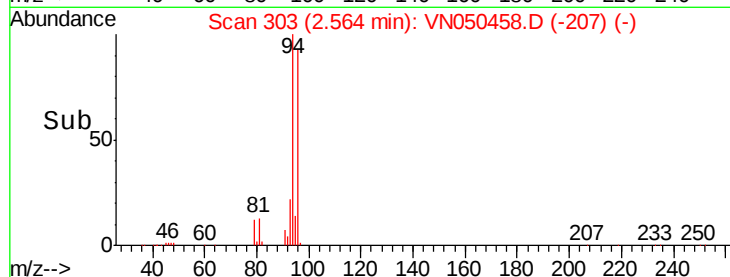
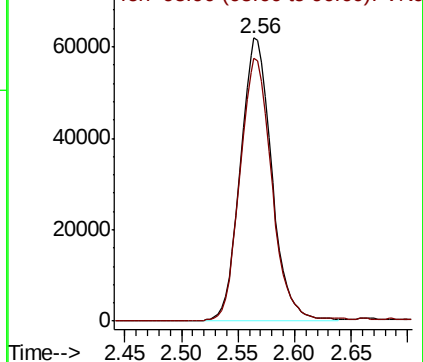
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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.18 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050458.D

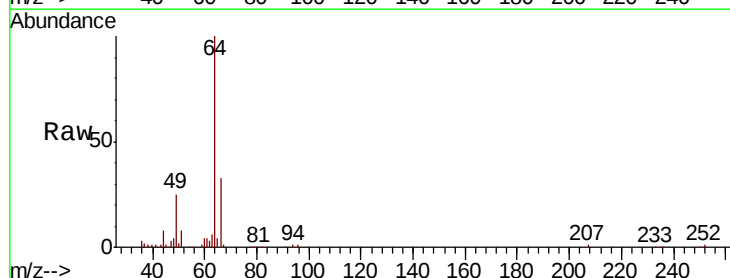
Acq: 8 Aug 2018 14:50

Tgt Ion: 64 Resp: 128952

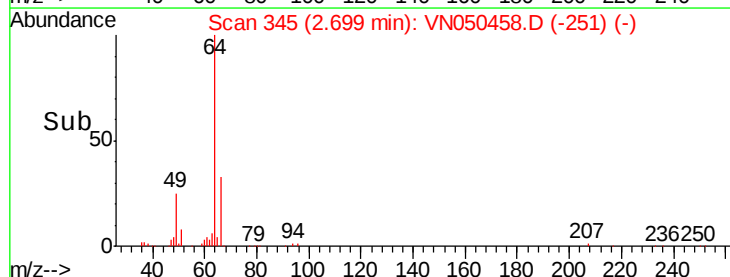
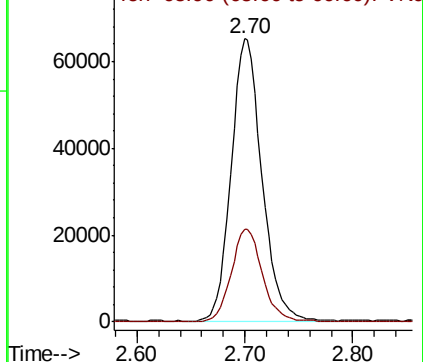
Ion Ratio Lower Upper

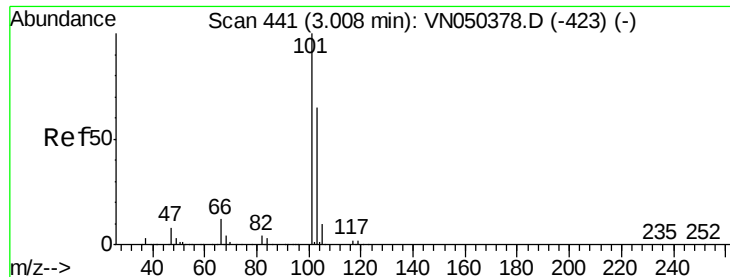
64 100

66 33.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

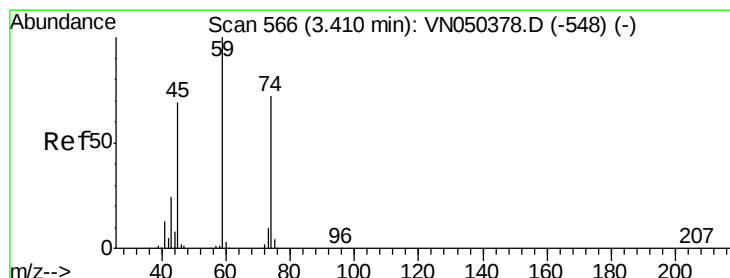
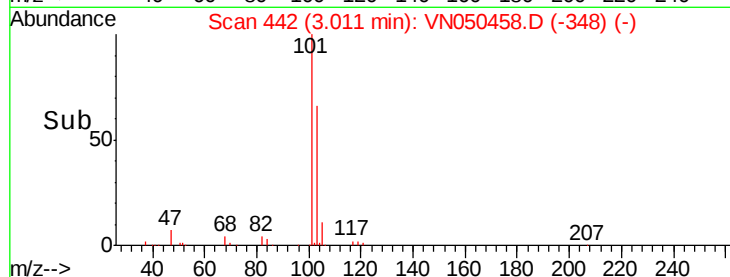
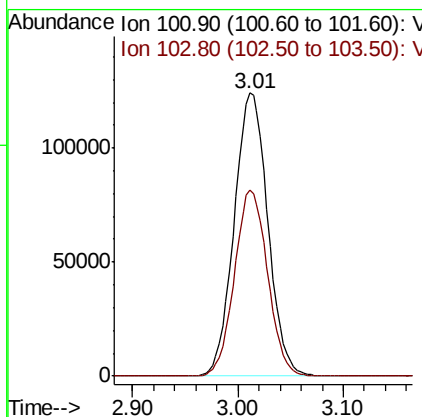
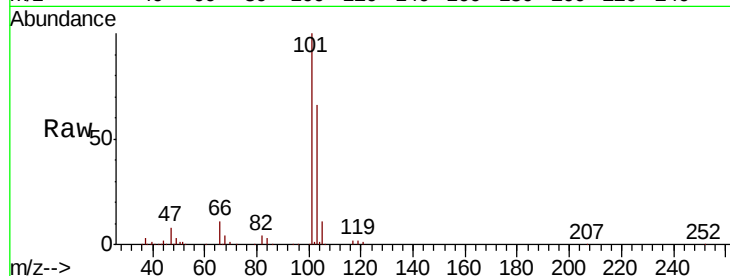
Trichlorofluoromethane
 Concen: 19.49 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
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 VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.7	77.5

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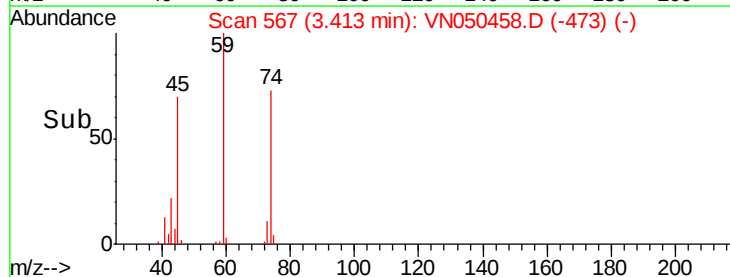
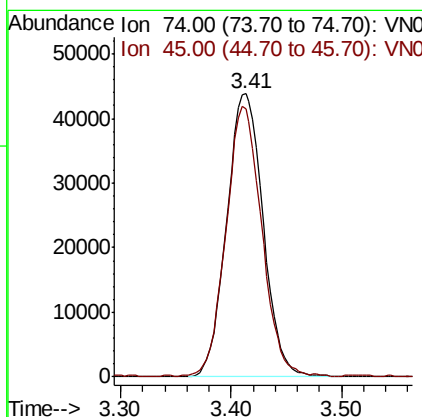
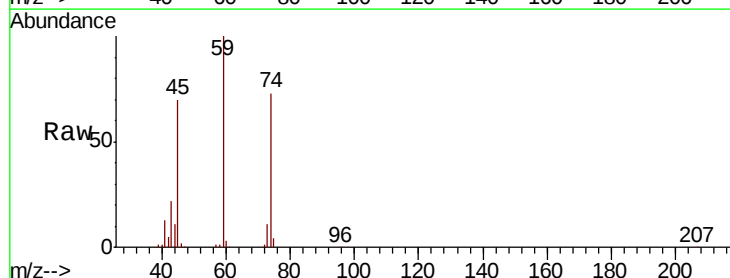
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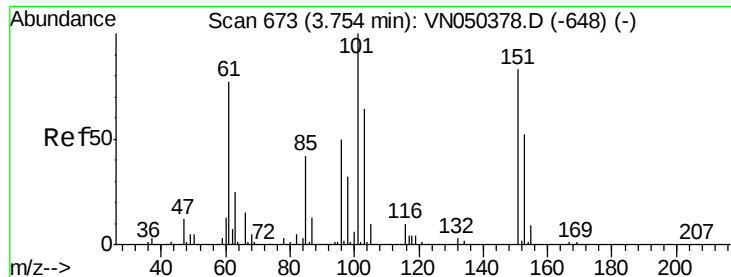


#8

Diethyl Ether
 Concen: 19.43 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.79 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

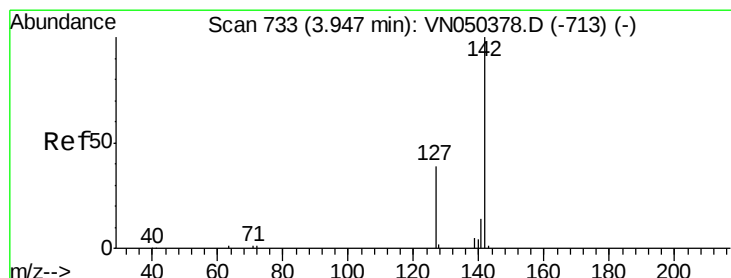
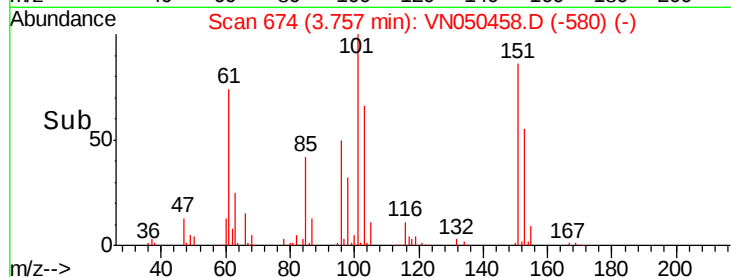
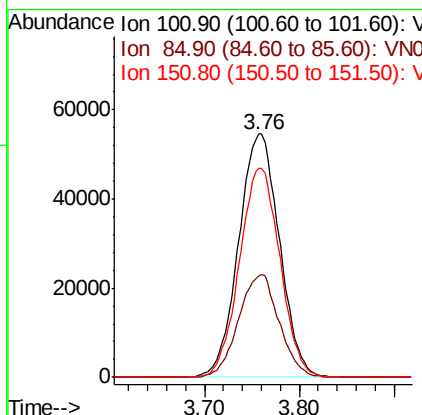
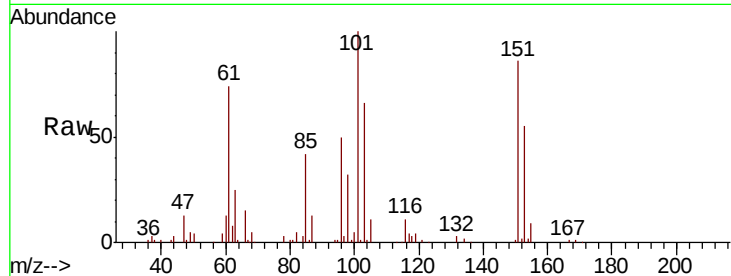
ClientSampleId :

VN0808MBSD01

Tot Ion:	101	Resp:	163591
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	85.4	66.3	99.5

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#10

Methyl Iodide

Concen: 22.79 ug/l

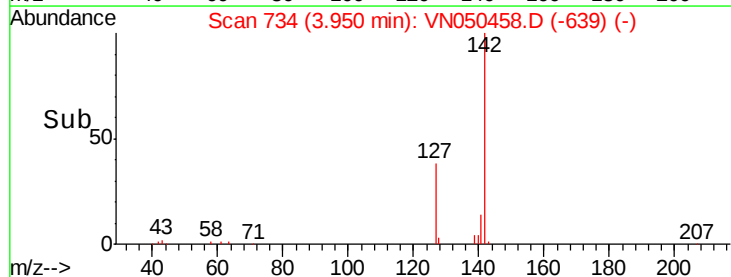
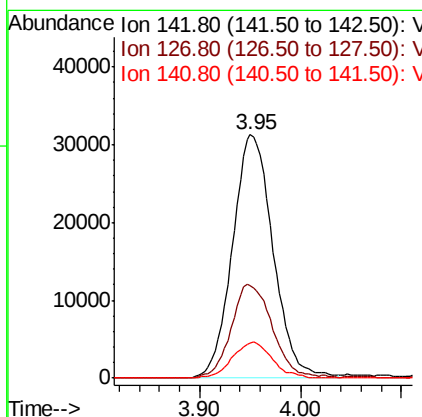
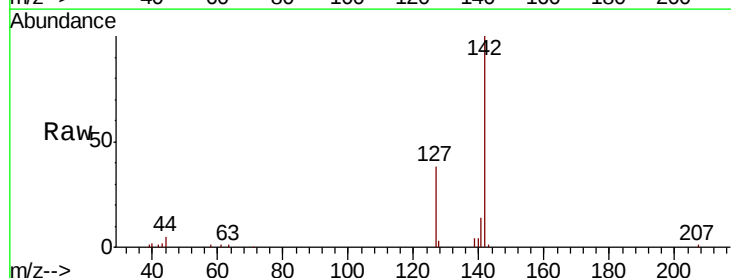
RT: 3.95 min Scan# 734

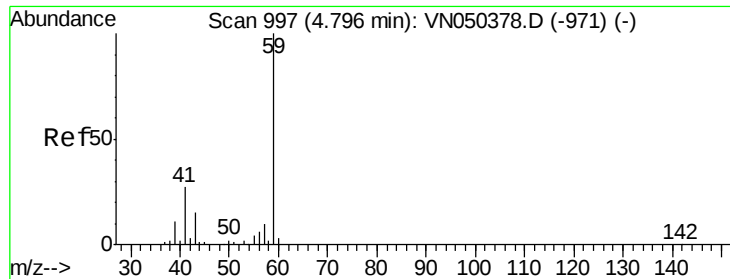
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	142	Resp:	87439
Ion Ratio	Lower	Upper	
142	100		
127	38.9	33.4	50.2
141	14.4	11.6	17.4





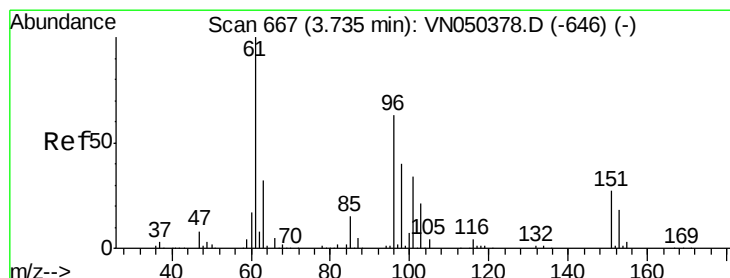
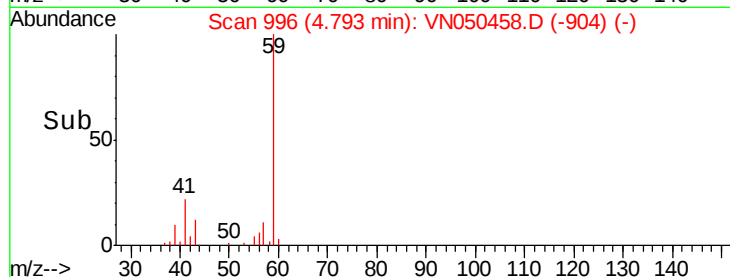
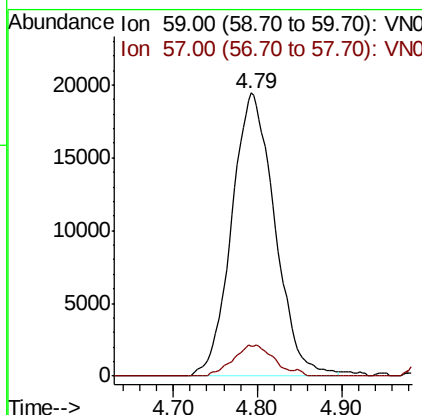
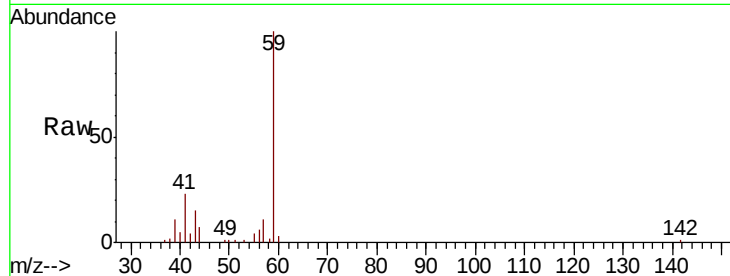
#11
Tert butyl alcohol
Concen: 84.73 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.5	12.7

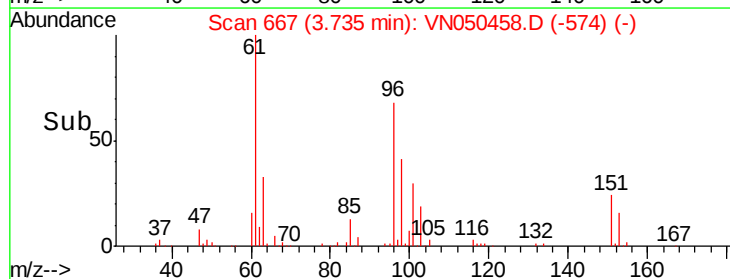
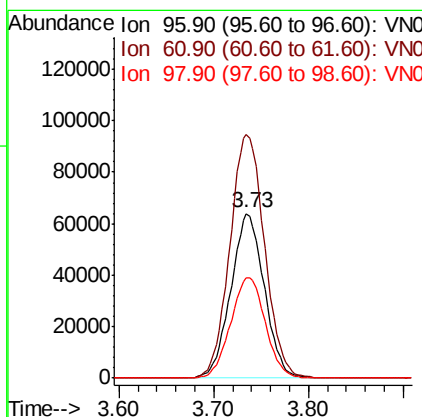
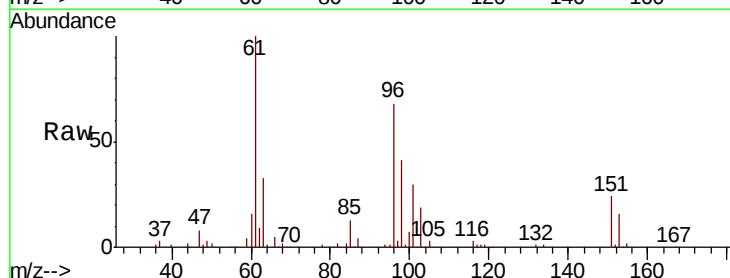
Manual Integrations
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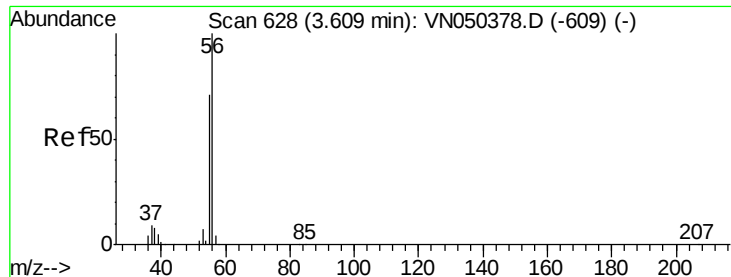
MMDadoda
8/9/2018 1:32:15 PM



#12
1,1-Dichloroethene
Concen: 19.16 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.7	124.4	186.6
98	60.6	48.3	72.5





#13

Acrolein

Concen: 75.33 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 56 Resp: 68019

Ion Ratio Lower Upper

56 100

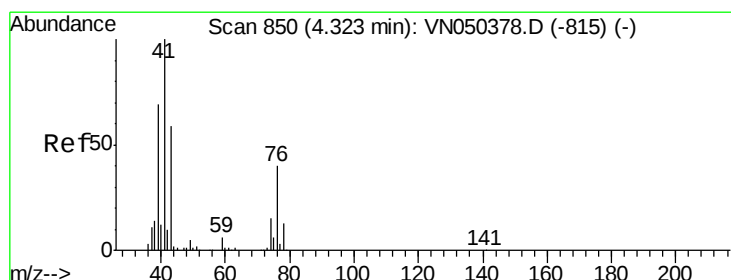
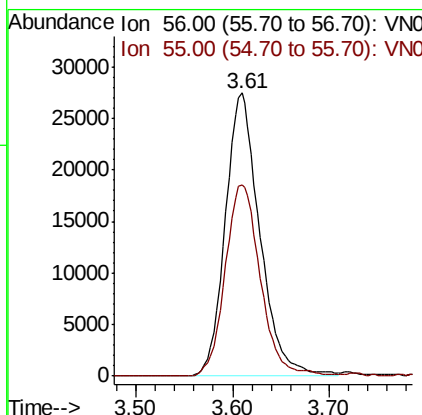
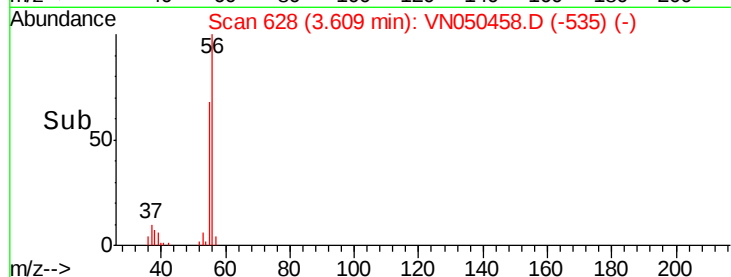
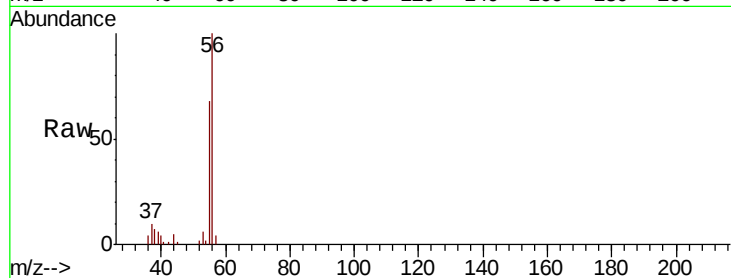
55 69.1 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.22 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

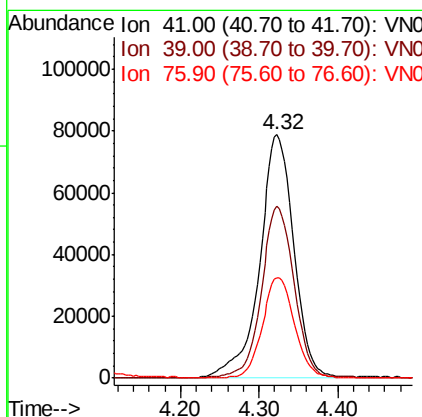
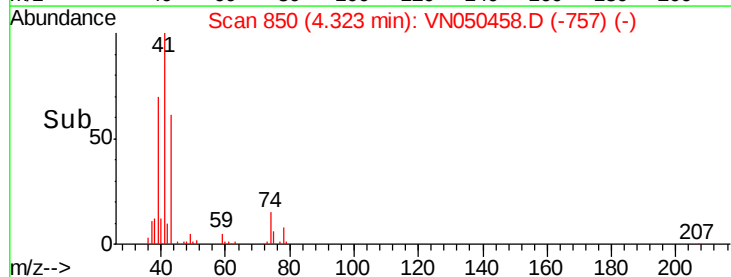
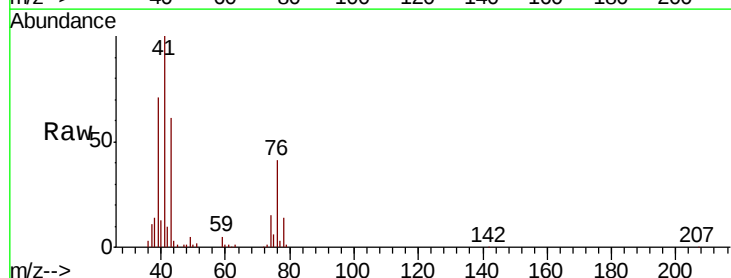
Tgt Ion: 41 Resp: 240141

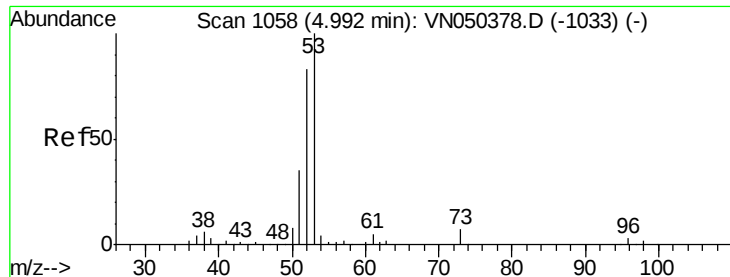
Ion Ratio Lower Upper

41 100

39 67.4 54.2 81.4

76 39.0 29.0 43.6





#15

Acrylonitrile

Concen: 87.57 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

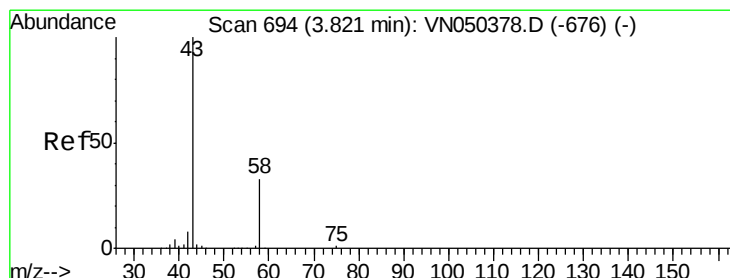
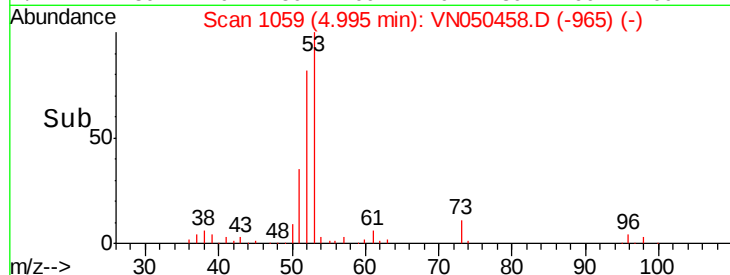
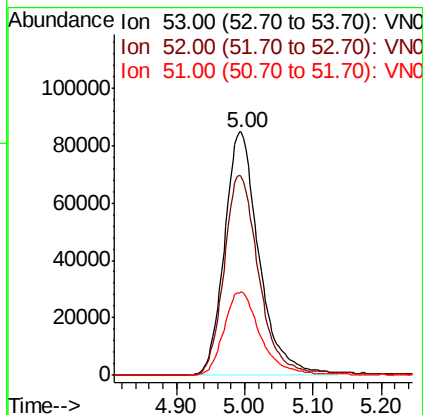
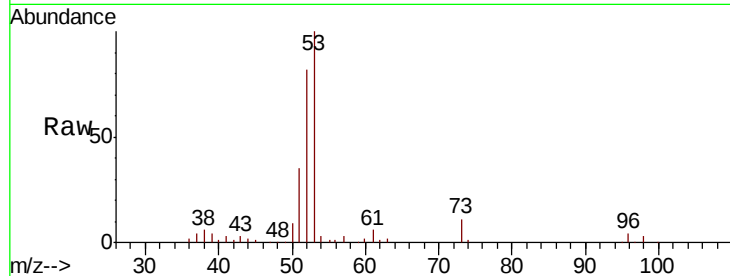
ClientSampleId :

VN0808MBSD01

Tot Ion:	53	Resp:	298901
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	36.2	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 88.54 ug/l

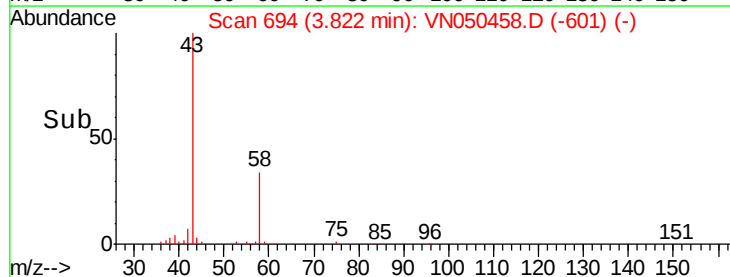
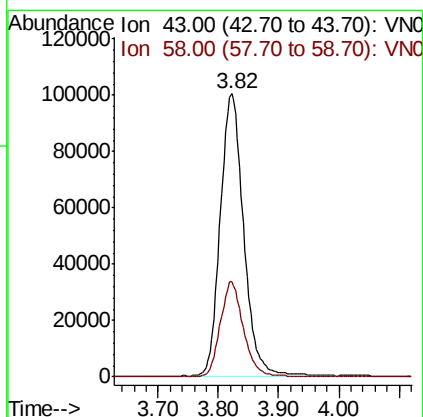
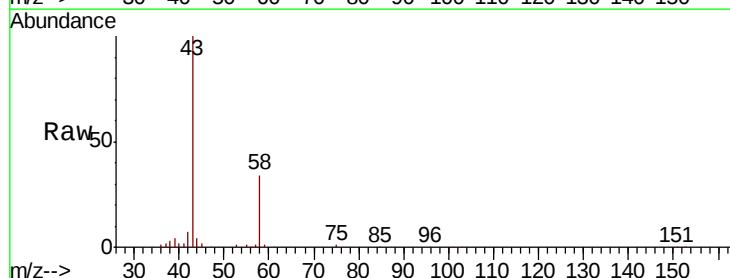
RT: 3.82 min Scan# 694

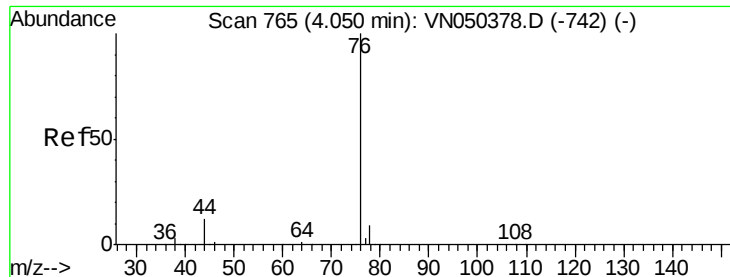
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	43	Resp:	268554
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.8	38.8





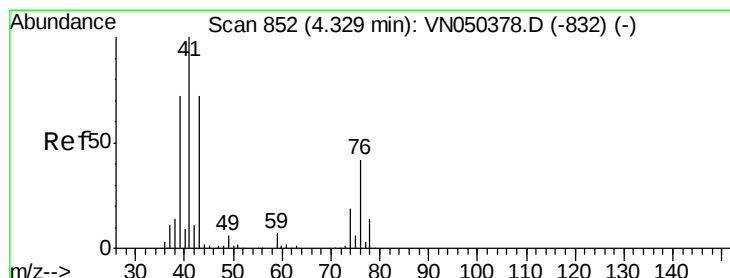
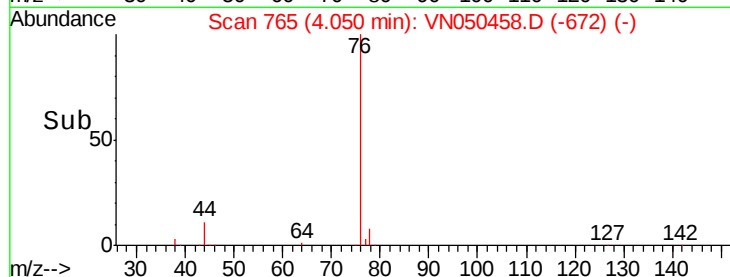
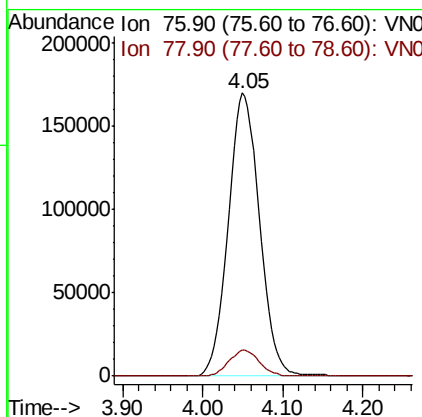
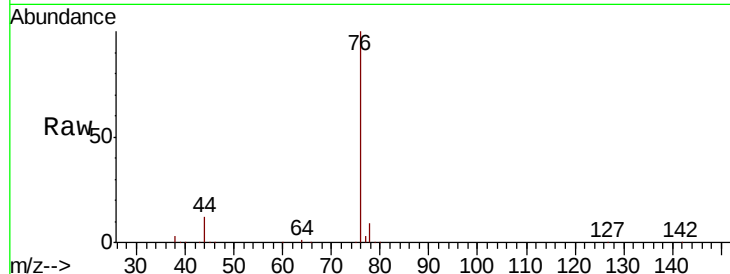
#17
Carbon Disulfide
Concen: 16.84 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

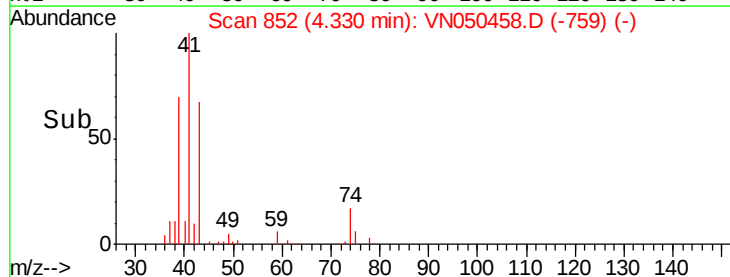
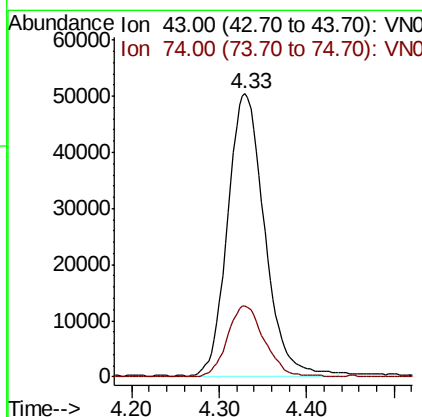
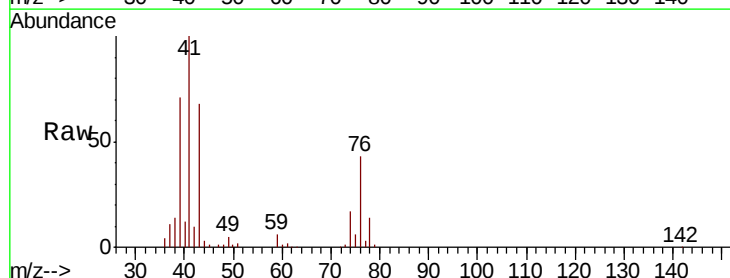
Manual Integrations
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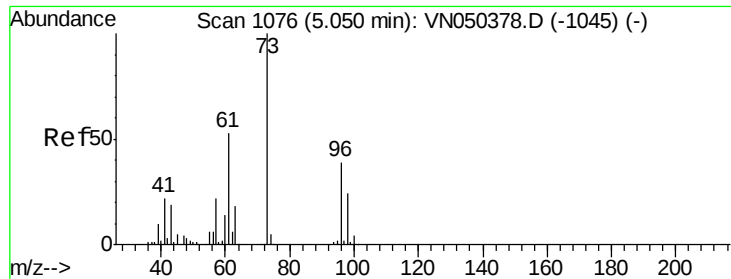
MMDadoda
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#18
Methyl Acetate
Concen: 18.60 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.2	28.8





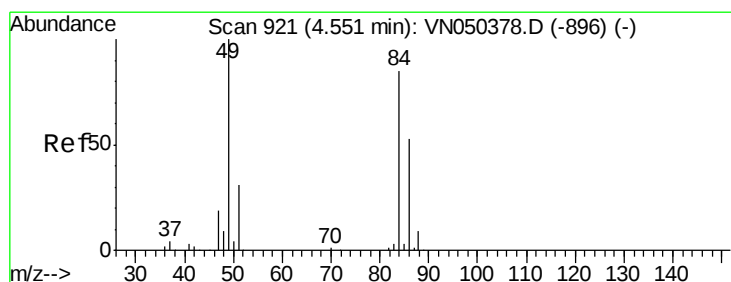
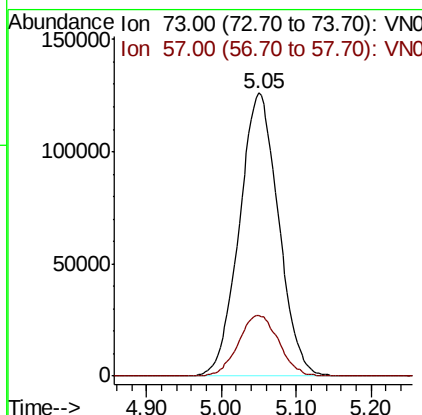
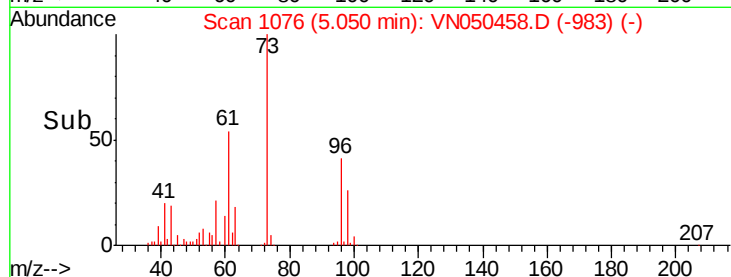
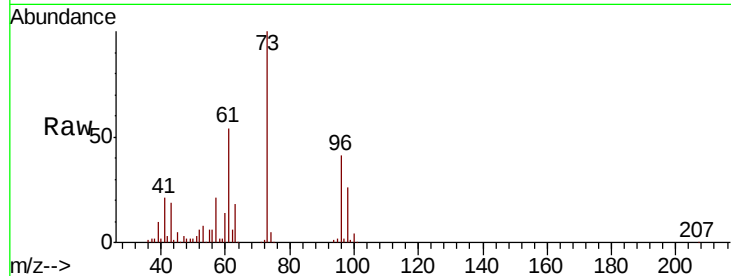
#19
Methyl tert-butyl Ether
Concen: 19.69 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion: 73 Resp: 458766
Ion Ratio Lower Upper
73 100
57 21.3 18.0 27.0

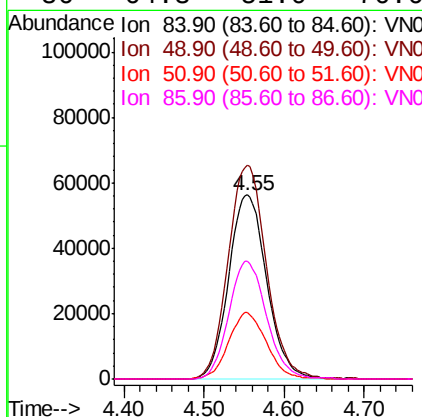
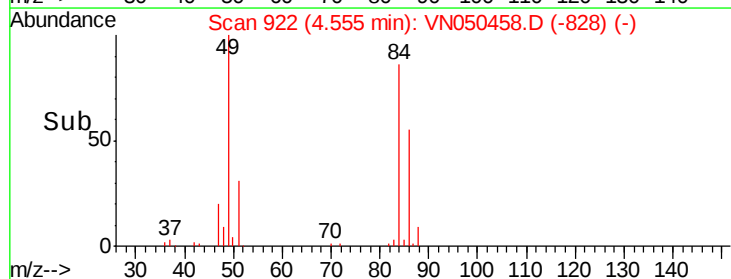
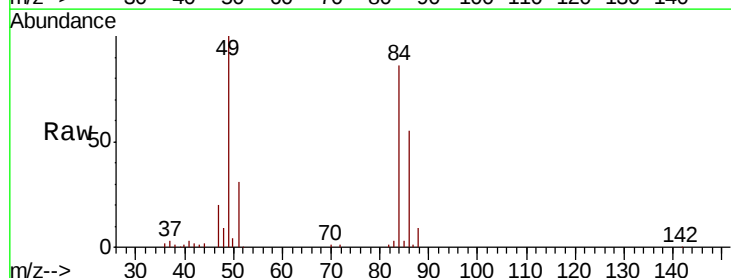
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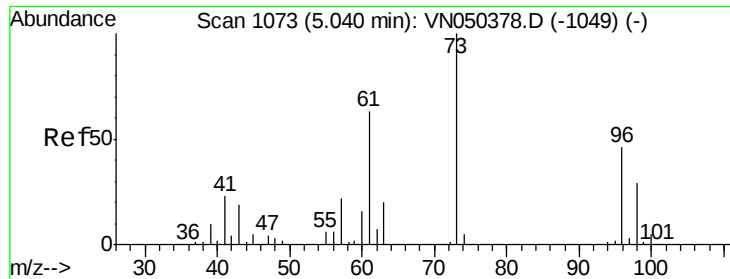
MMDadoda
8/9/2018 1:32:15 PM



#20
Methylene Chloride
Concen: 18.78 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 84 Resp: 182673
Ion Ratio Lower Upper
84 100
49 116.1 94.8 142.2
51 35.9 28.3 42.5
86 64.3 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.95 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

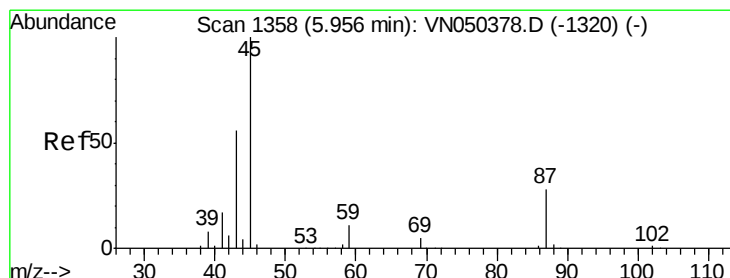
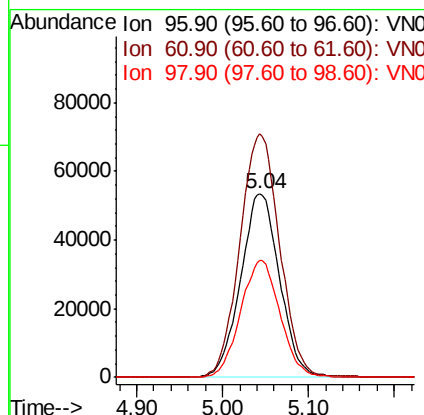
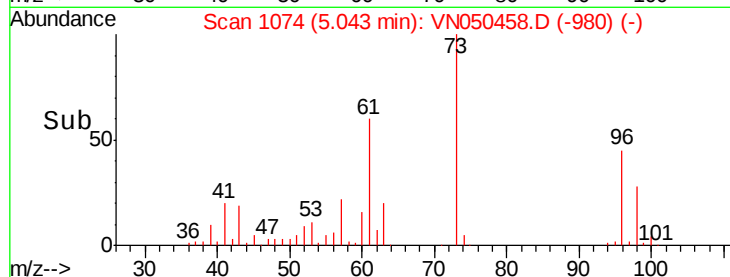
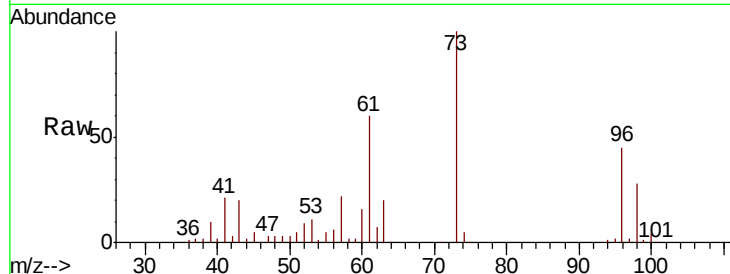
ClientSampleId :

VN0808MBSD01

Tot Ion:	96	Resp:	168287
Ion	Ratio	Lower	Upper
96	100		
61	132.6	110.7	166.1
98	63.5	51.6	77.4

Manual Integrations
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8/9/2018 1:32:15 PM



#22

Diisopropyl ether

Concen: 19.63 ug/l

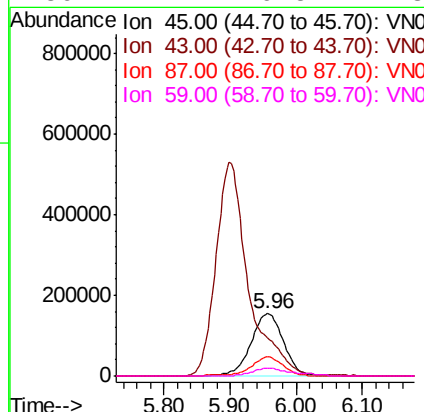
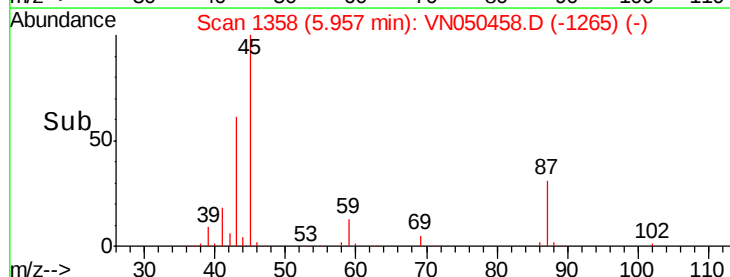
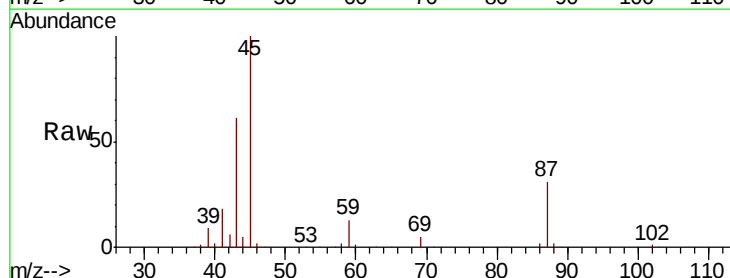
RT: 5.96 min Scan# 1358

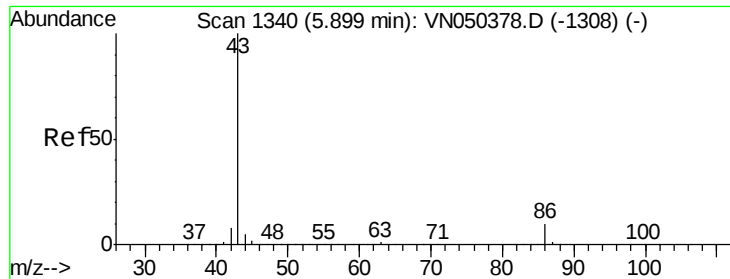
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	45	Resp:	528698
Ion	Ratio	Lower	Upper
45	100		
43	59.8	45.7	68.5
87	30.9	22.7	34.1
59	12.4	9.5	14.3





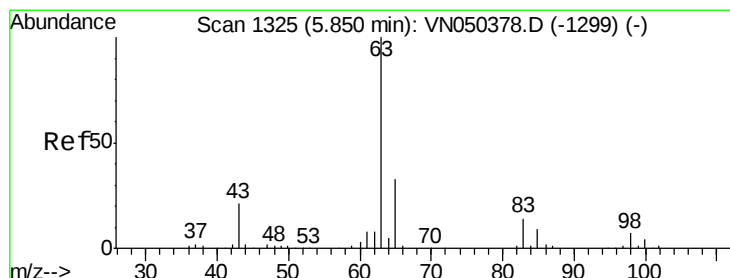
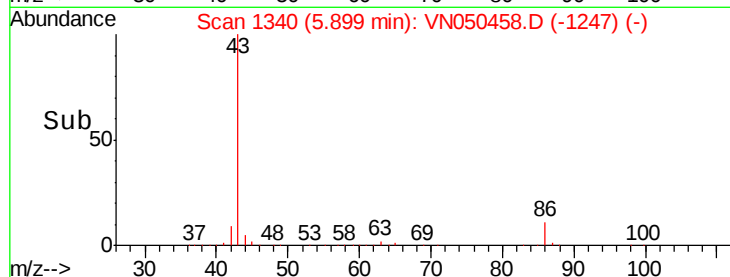
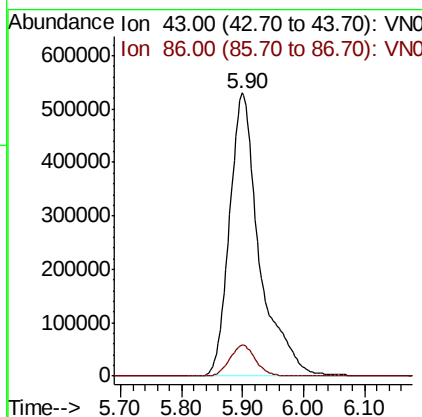
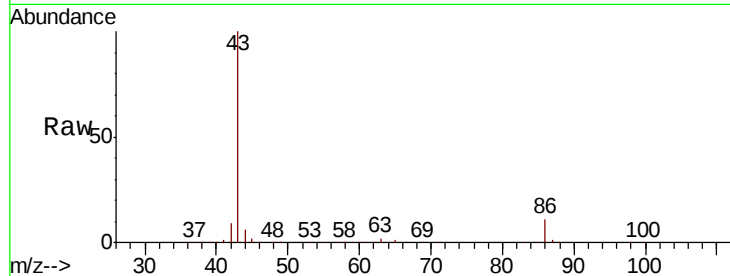
#23
 Vinyl Acetate
 Concen: 94.19 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion: 43 Resp: 1809643
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.6 13.0

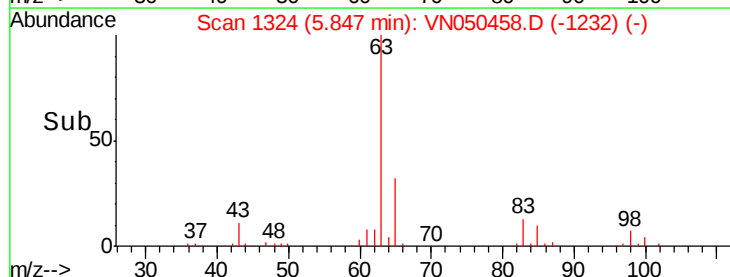
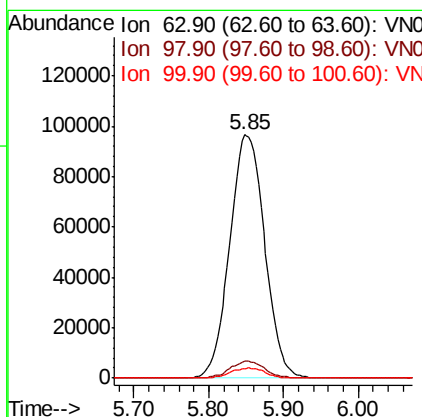
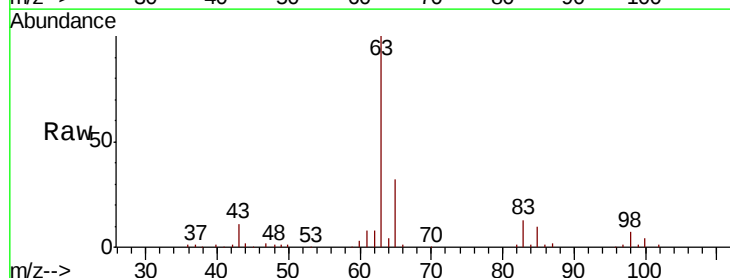
Manual Integrations
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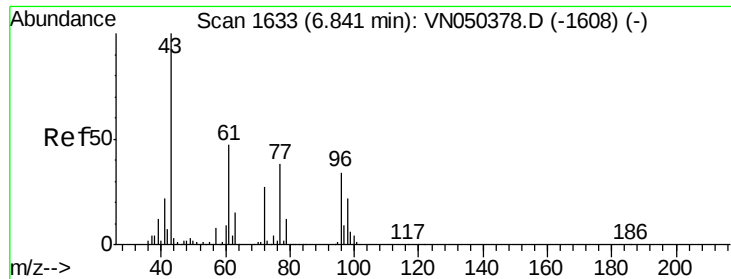
MMDadoda
 8/9/2018 1:32:15 PM



#24
 1,1-Dichloroethane
 Concen: 19.01 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion: 63 Resp: 314180
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.8
 100 3.7 2.1 6.3





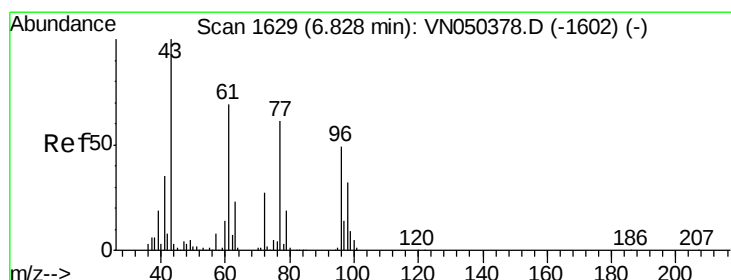
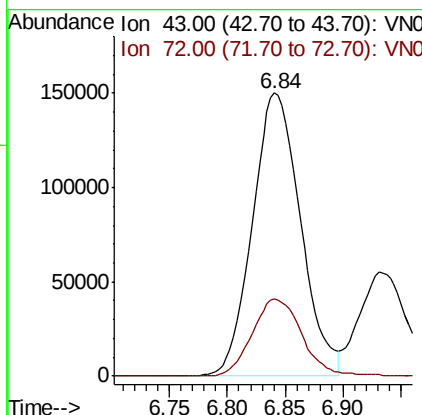
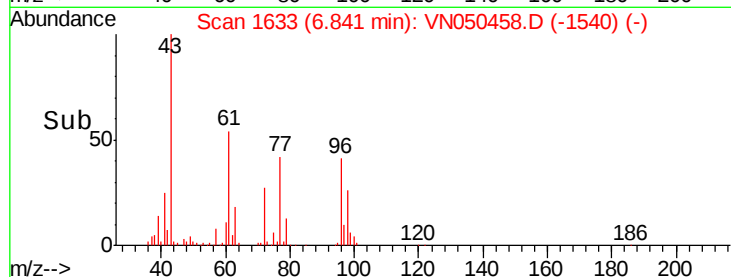
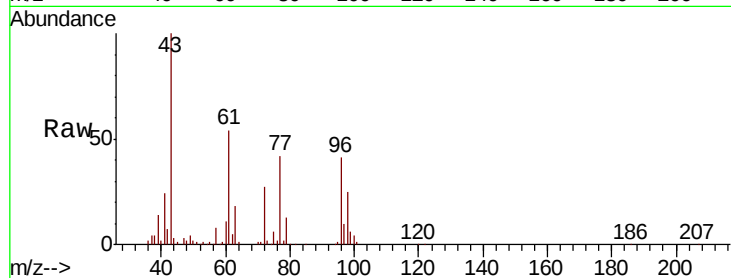
#25
2-Butanone
Concen: 85.91 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion: 43 Resp: 431855
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3

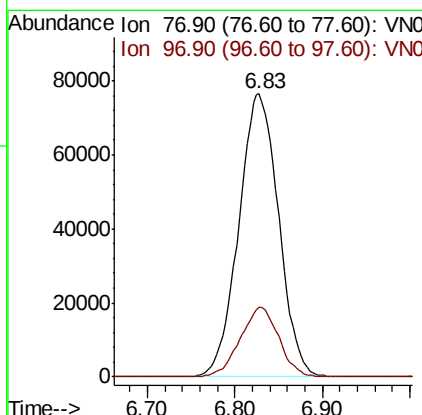
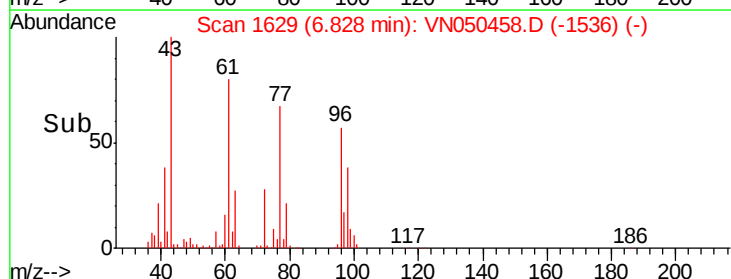
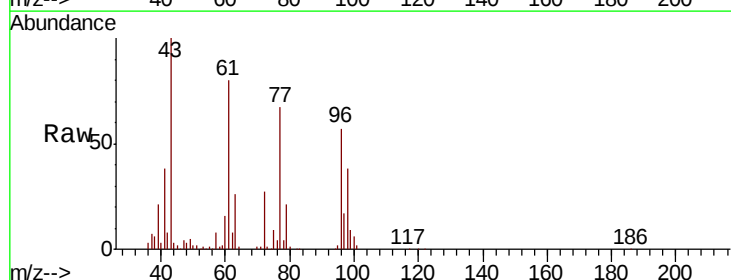
Manual Integrations
APPROVED

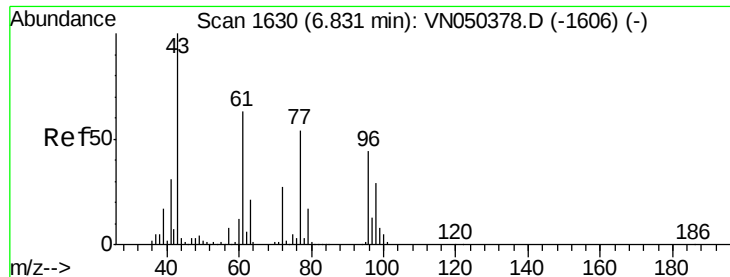
MMDadoda
8/9/2018 1:32:15 PM



#26
2,2-Dichloropropane
Concen: 17.73 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 77 Resp: 241557
Ion Ratio Lower Upper
77 100
97 23.8 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.61 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

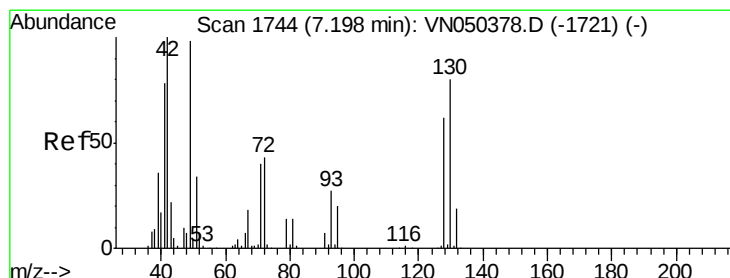
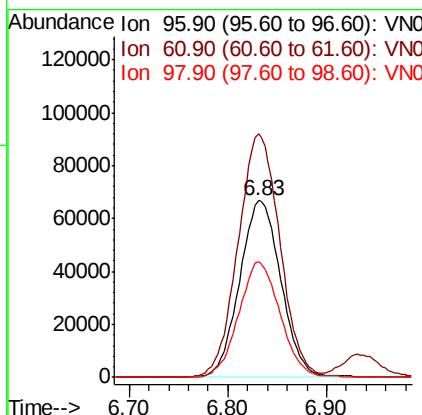
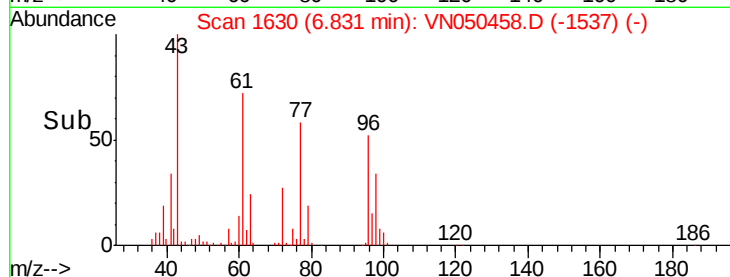
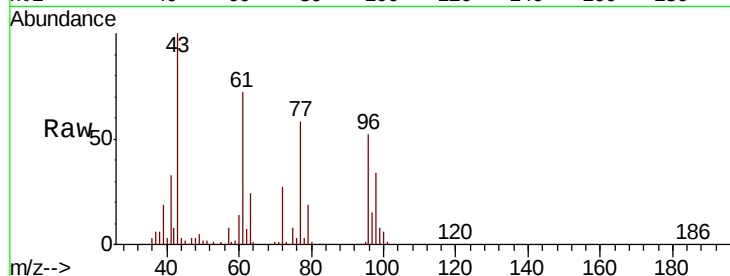
ClientSampleId :

VN0808MBSD01

Tot Ion:	96	Resp:	193062
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	285.0
98	65.6	0.0	129.2

Manual Integrations
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8/9/2018 1:32:15 PM



#28

Bromochloromethane

Concen: 18.57 ug/l

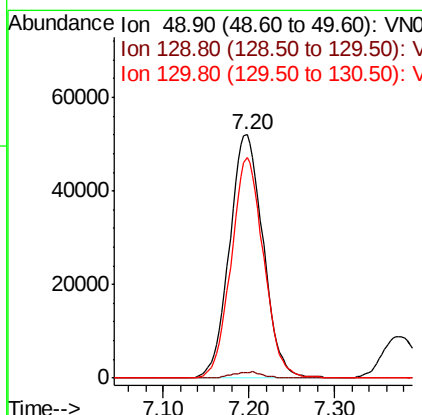
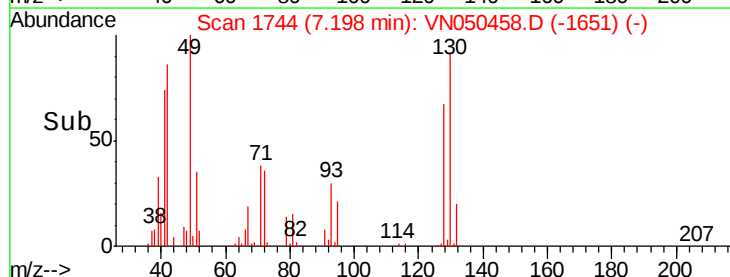
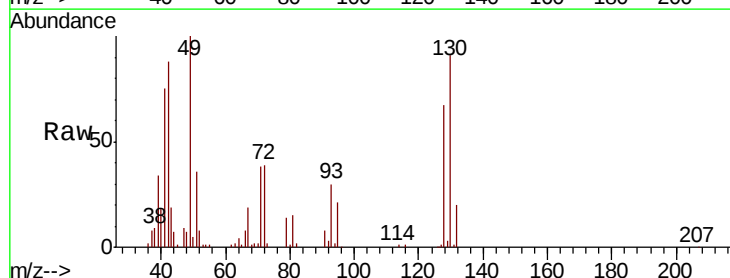
RT: 7.20 min Scan# 1744

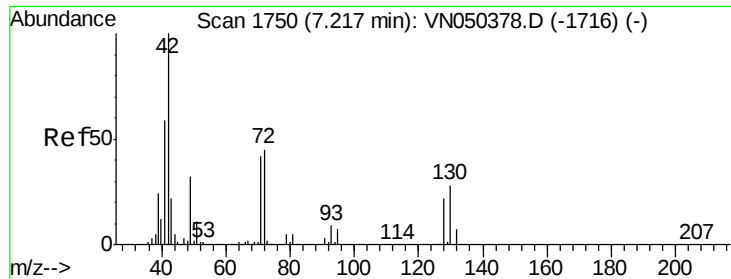
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	49	Resp:	141225
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	87.4	66.3	99.5





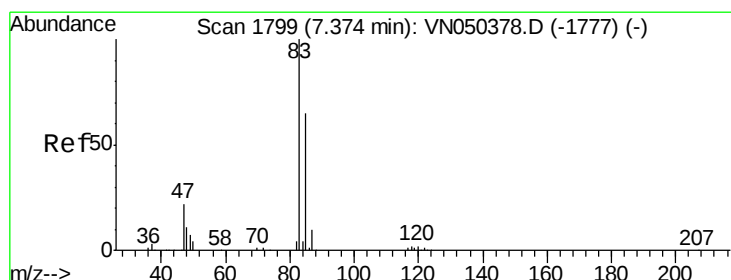
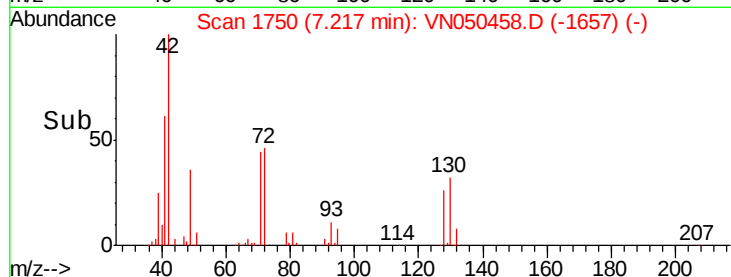
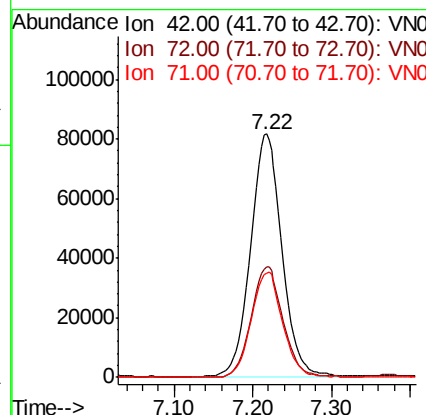
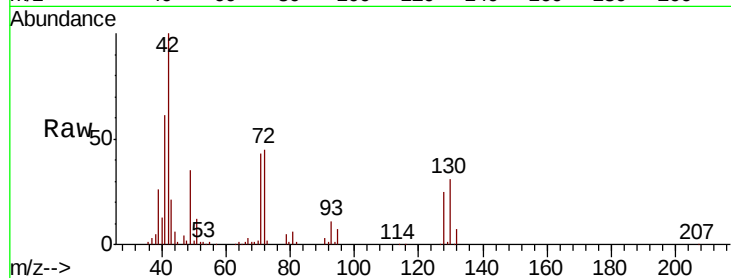
#29
Tetrahydrofuran
Concen: 86.29 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	35.9	53.9
71	42.8	33.7	50.5

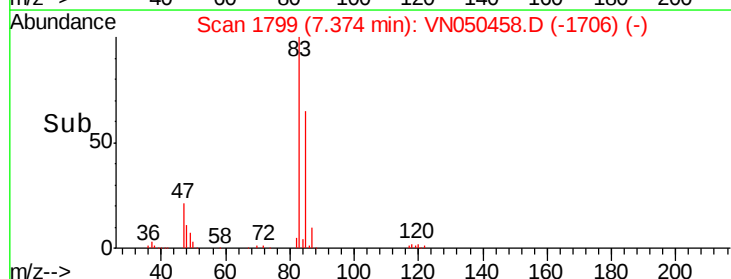
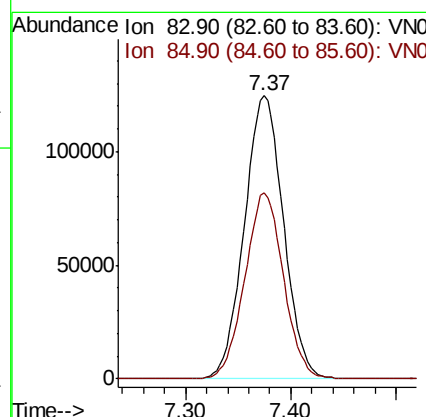
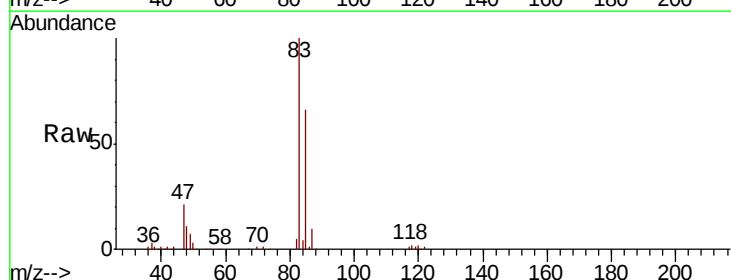
Manual Integrations
APPROVED

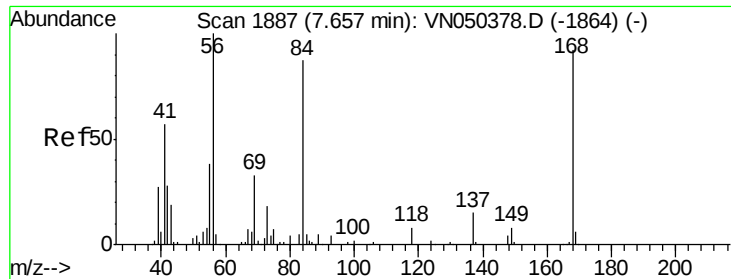
MMDadoda
8/9/2018 1:32:15 PM



#30
Chloroform
Concen: 19.47 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.5	78.7





#31

Cyclohexane

Concen: 18.74 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

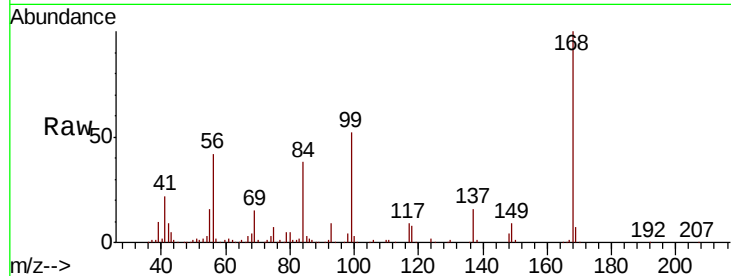
ClientSampleId :

VN0808MBSD01

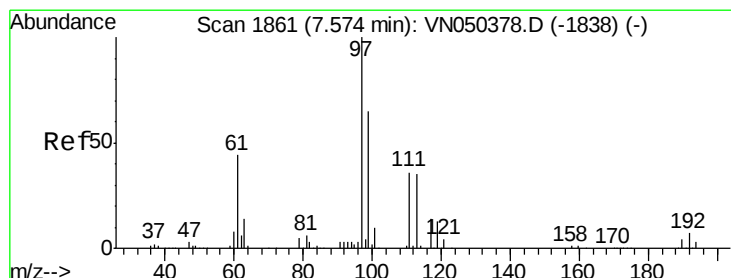
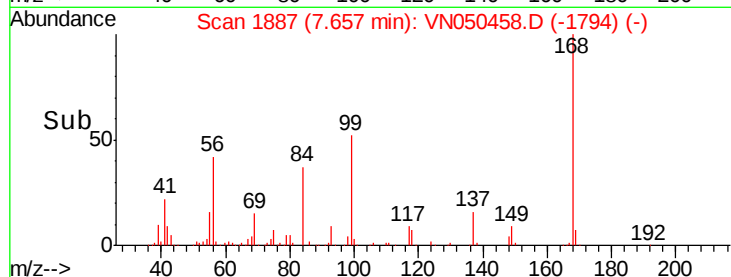
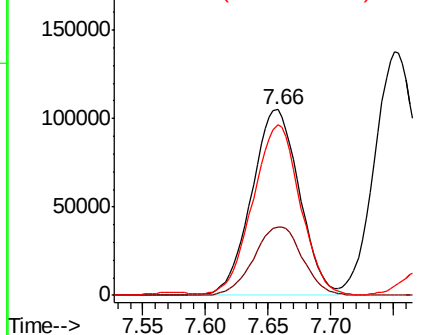
Tot Ion:	56	Resp:	278302
Ion Ratio	Lower	Upper	
56	100		
69	36.9	26.2	39.4
84	90.3	67.4	101.0

Manual Integrations
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8/9/2018 1:32:15 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.43 ug/l

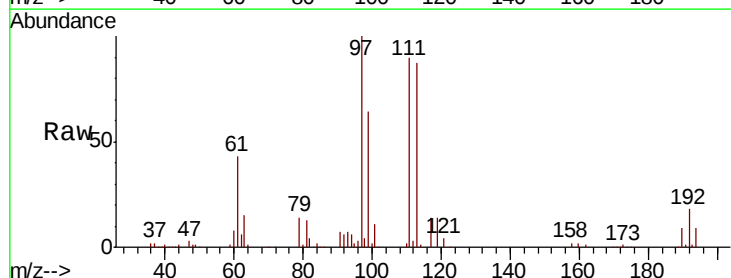
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

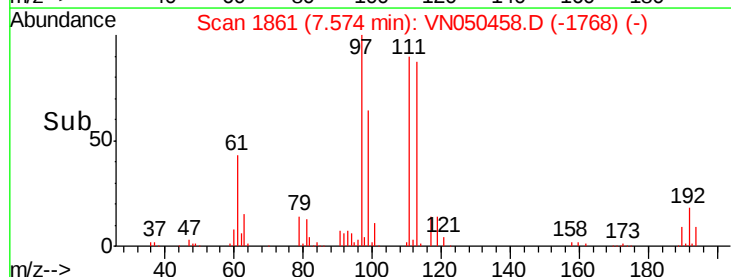
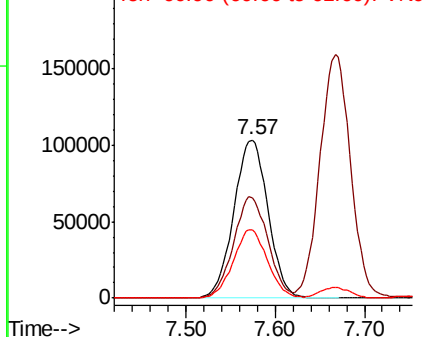
Lab File: VN050458.D

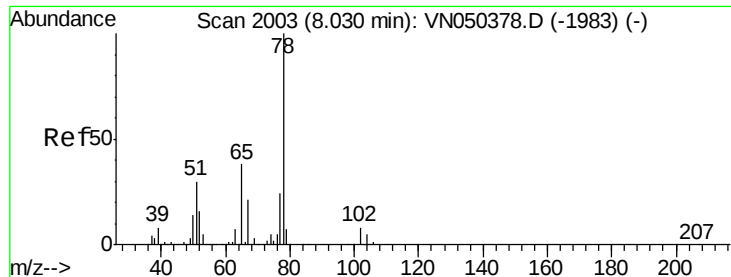
Acq: 8 Aug 2018 14:50

Tgt Ion:	97	Resp:	275667
Ion Ratio	Lower	Upper	
97	100		
99	64.5	51.4	77.0
61	43.2	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





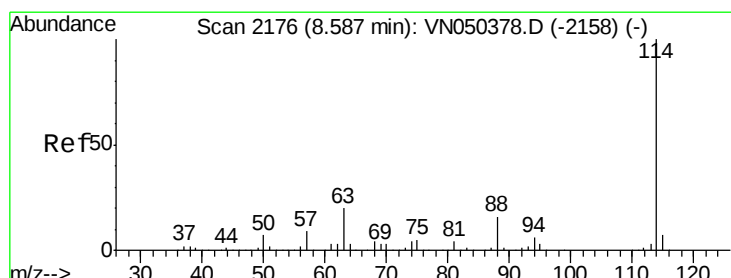
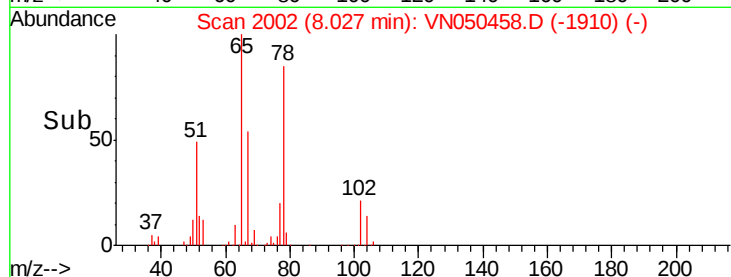
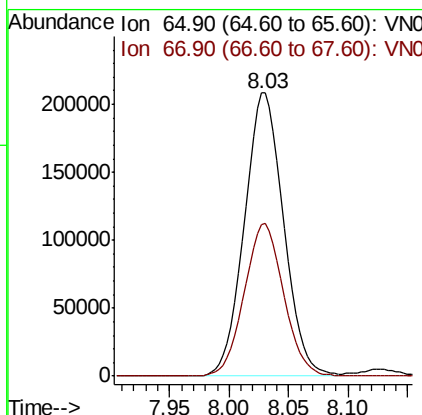
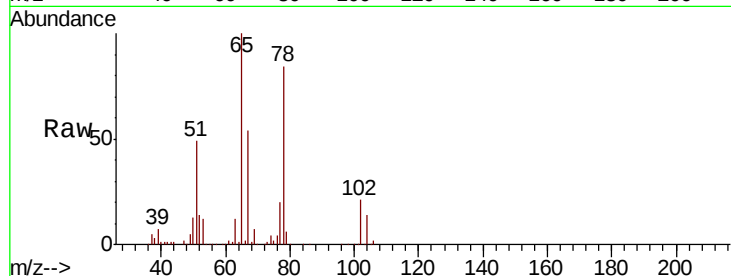
#33
 1,2-Dichloroethane-d4
 Concen: 46.91 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	475805		
67	54.0	0.0	108.4	

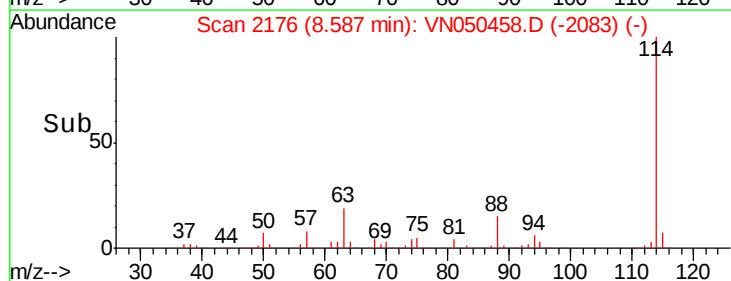
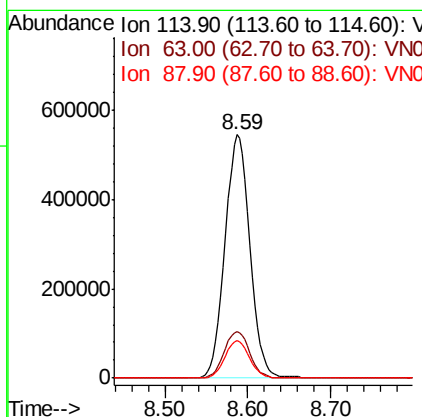
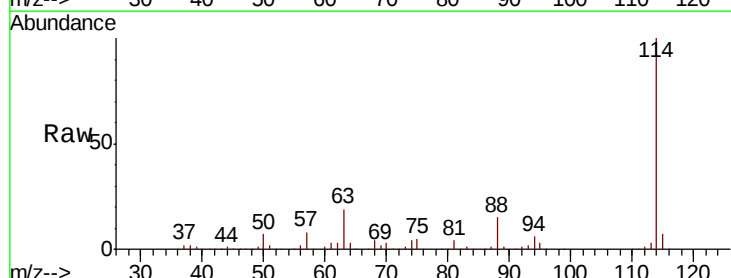
Manual Integrations
 APPROVED

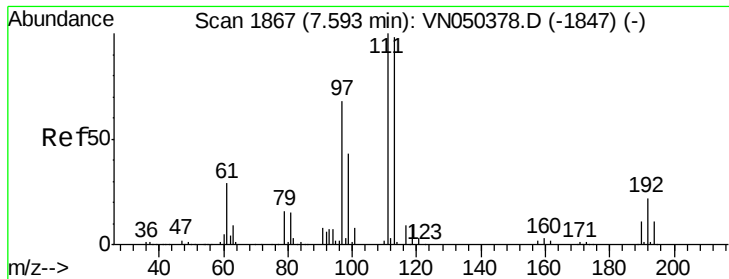
MMDadoda
 8/9/2018 1:32:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1139267		
63	19.2	0.0	40.0	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 47.53 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

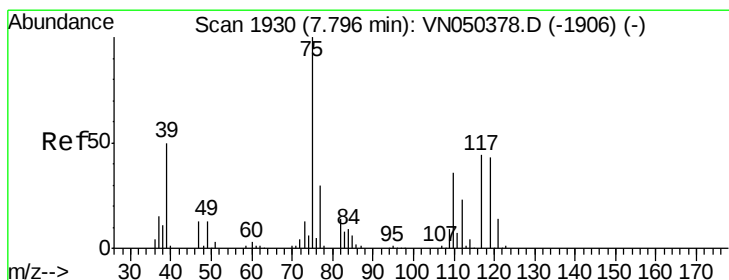
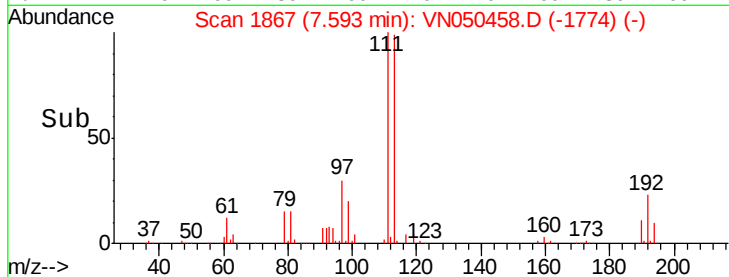
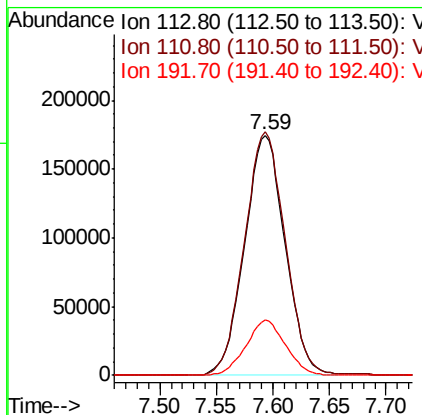
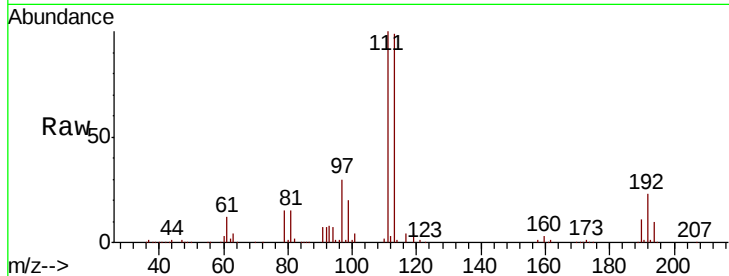
ClientSampleId :

VN0808MBSD01

Tot Ion:	113	Resp:	434489
Ion	Ratio	Lower	Upper
113	100		
111	102.1	80.7	121.1
192	22.6	17.8	26.6

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8/9/2018 1:32:15 PM



#36

1,1-Dichloropropene

Concen: 19.12 ug/l

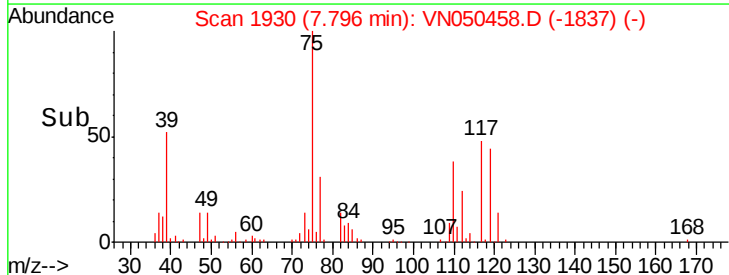
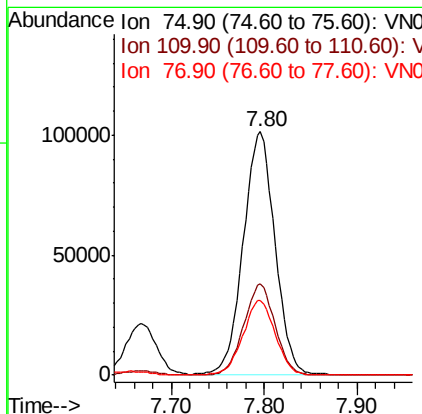
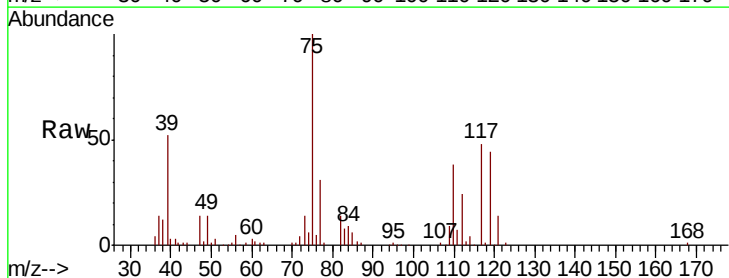
RT: 7.80 min Scan# 1930

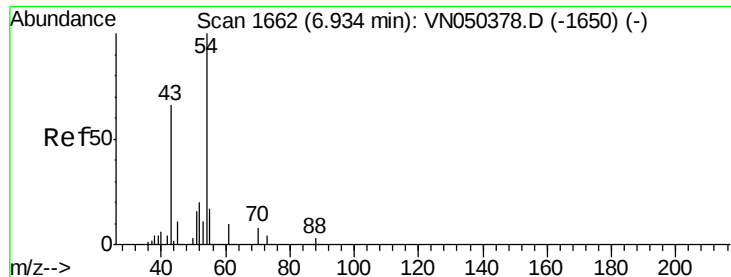
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	75	Resp:	239361
Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.4	55.2
77	31.5	25.3	37.9





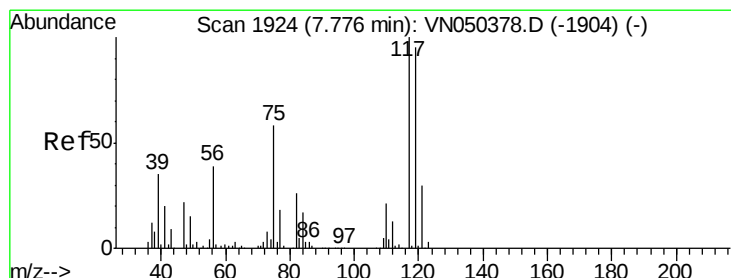
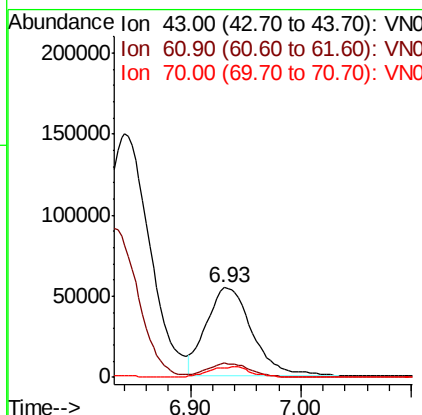
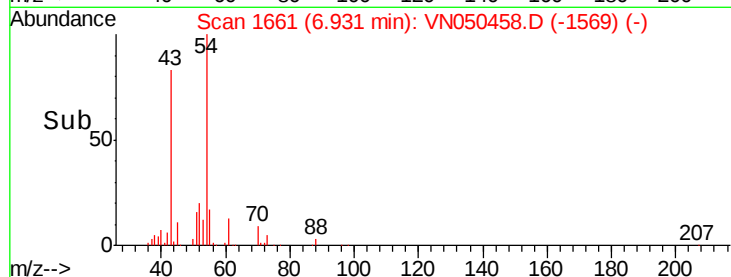
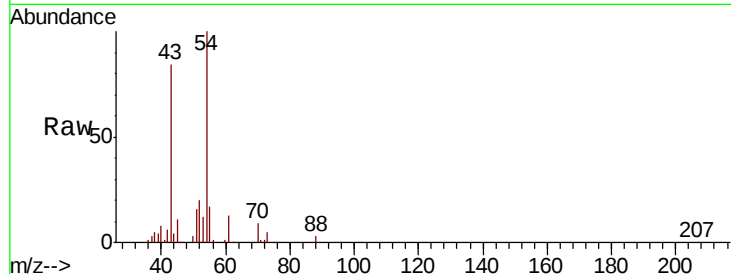
#37
Ethyl Acetate
Concen: 17.31 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	43	61	70
Resp	156052		
Ratio	100	14.6	10.4
Lower		11.8	8.4
Upper		17.8	12.6

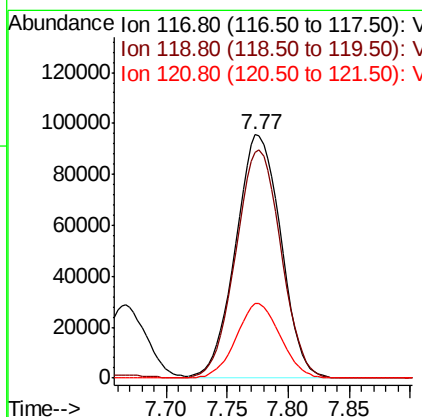
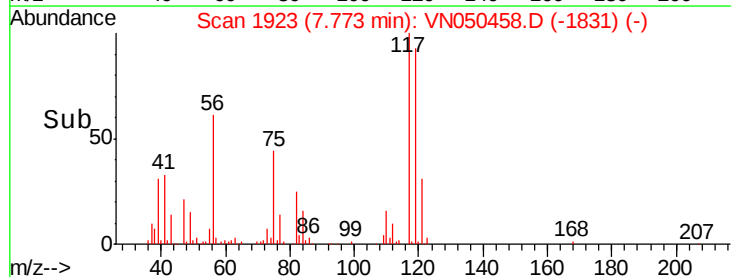
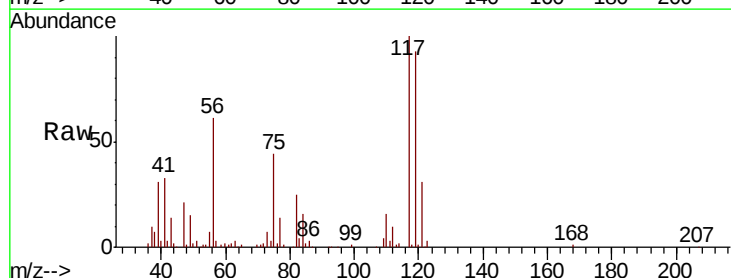
Manual Integrations
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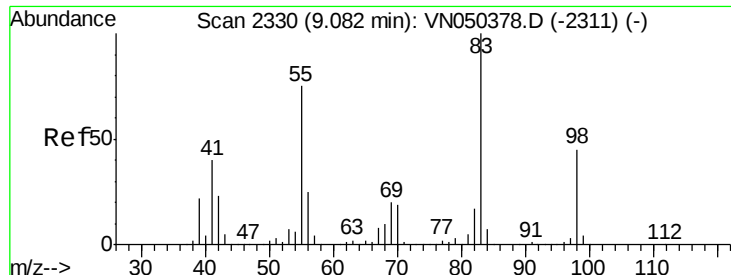
MMDadoda
8/9/2018 1:32:15 PM



#38
Carbon Tetrachloride
Concen: 18.70 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	117	119	121
Resp	244165		
Ratio	100	92.9	30.6
Lower		77.4	23.9
Upper		116.0	35.9





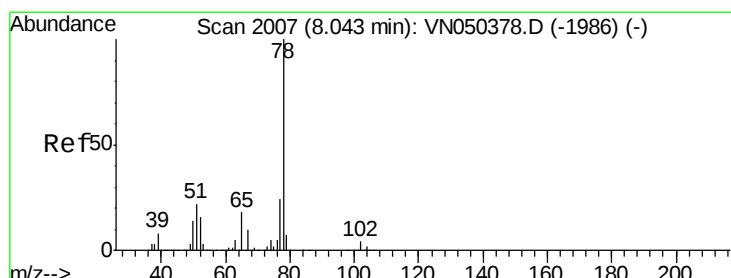
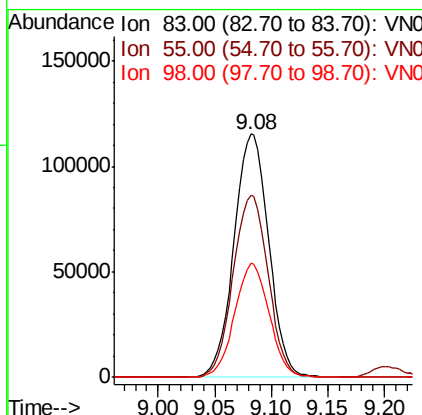
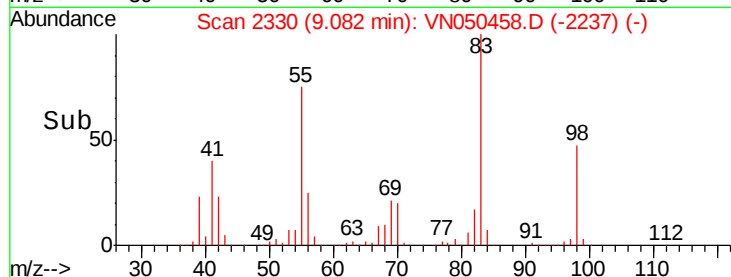
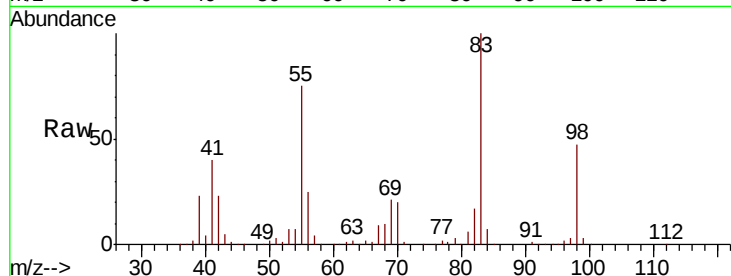
#39
Methvlcvclohexane
Concen: 18.12 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	247583		
55	75.0	61.8	92.8	
98	46.7	36.5	54.7	

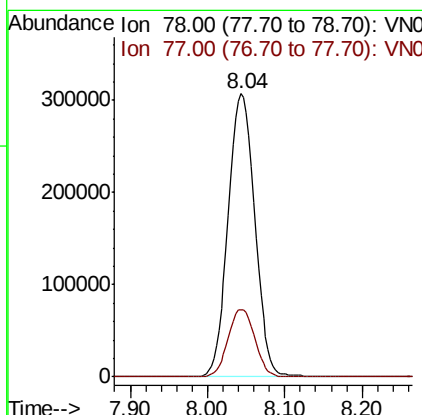
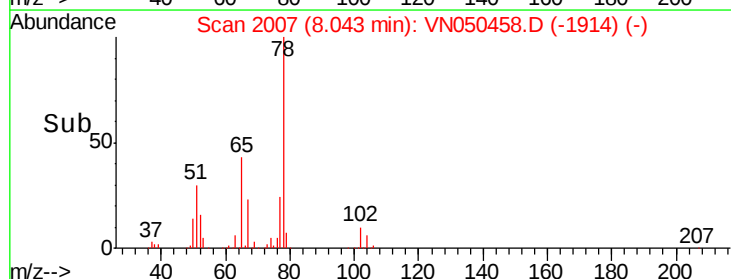
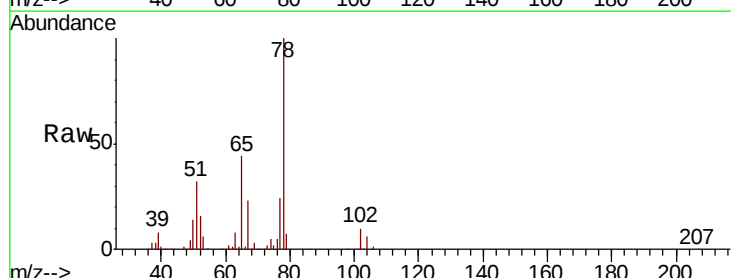
Manual Integrations
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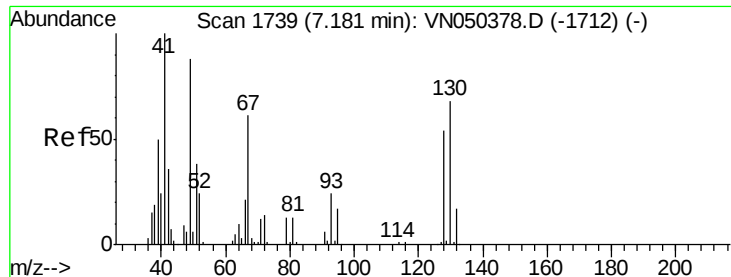
MMDadoda
8/9/2018 1:32:15 PM



#40
Benzene
Concen: 19.09 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	734577		
77	23.9	18.7	28.1	





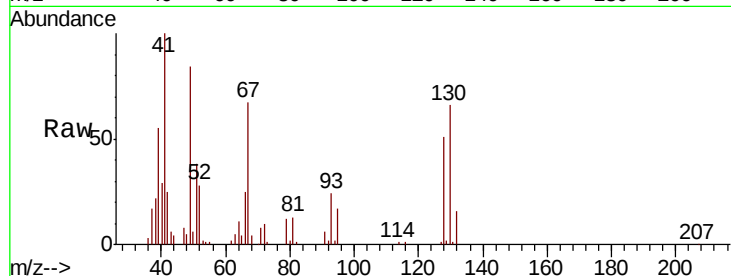
#41
Methacrylonitrile
Concen: 17.13 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	55.8	83.6
67	85.1	84.3	126.5
52	34.7	34.2	51.2

Manual Integrations
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8/9/2018 1:32:15 PM



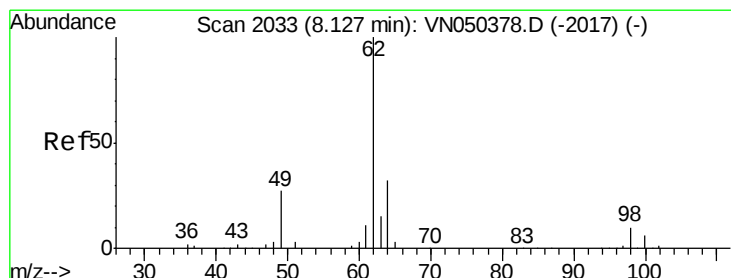
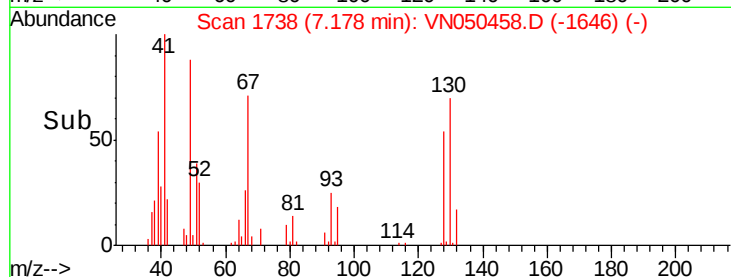
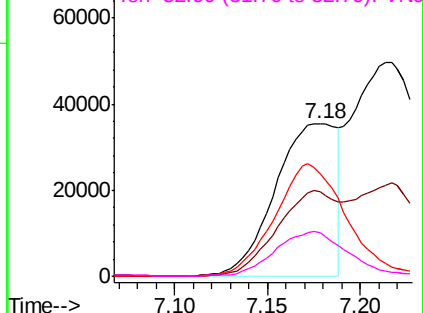
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

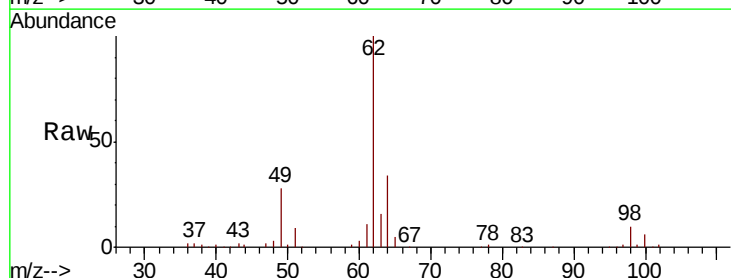
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 19.01 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

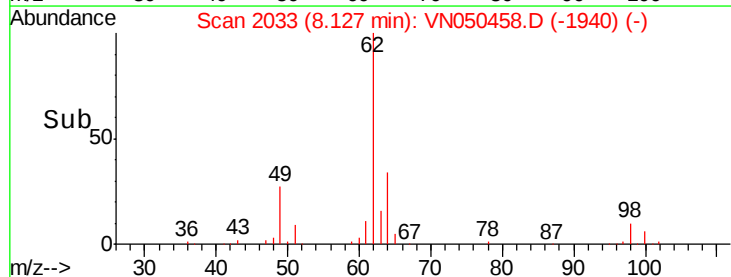
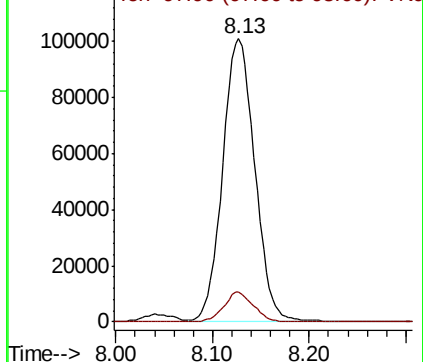
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.8

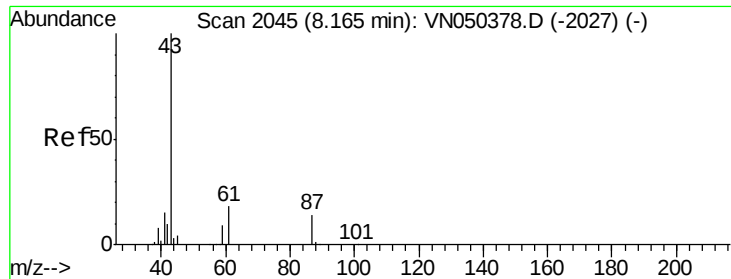


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 17.65 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

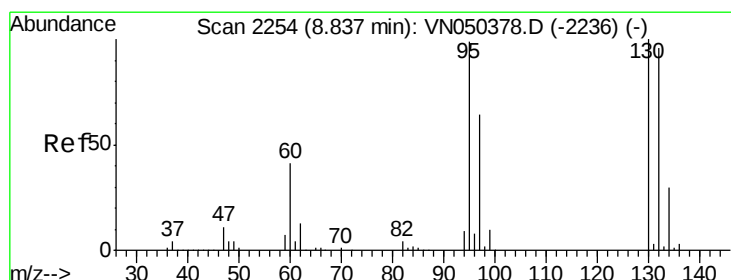
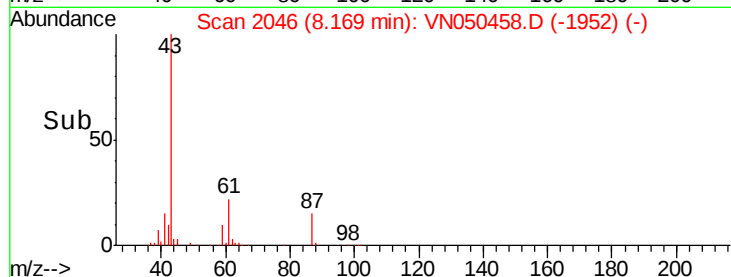
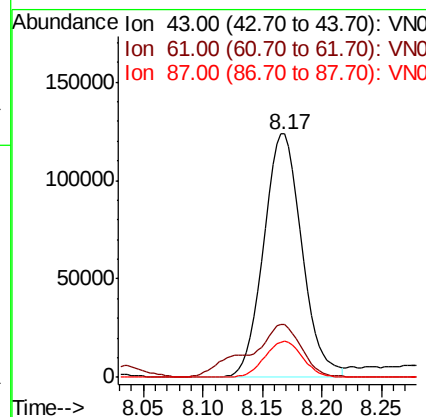
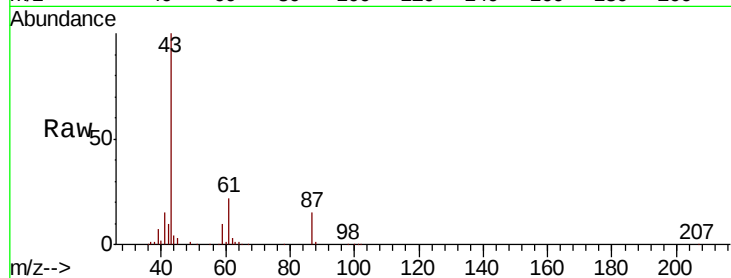
ClientSampleId :

VN0808MBSD01

Tot Ion:	43	Resp:	274624
Ion	Ratio	Lower	Upper
43	100		
61	21.7	15.8	23.6
87	14.7	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 19.25 ug/l

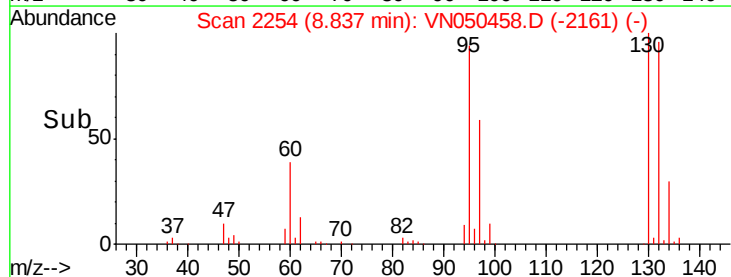
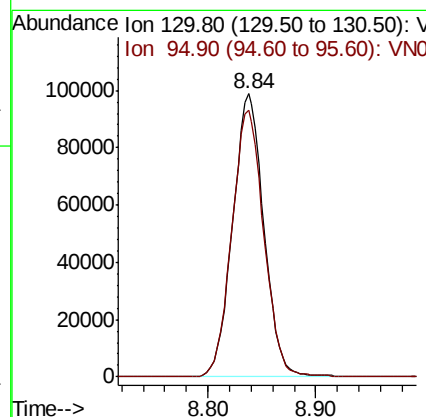
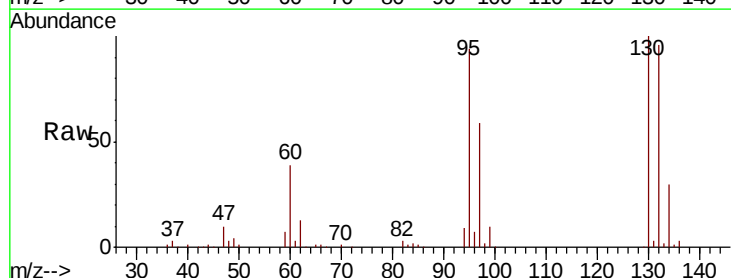
RT: 8.84 min Scan# 2254

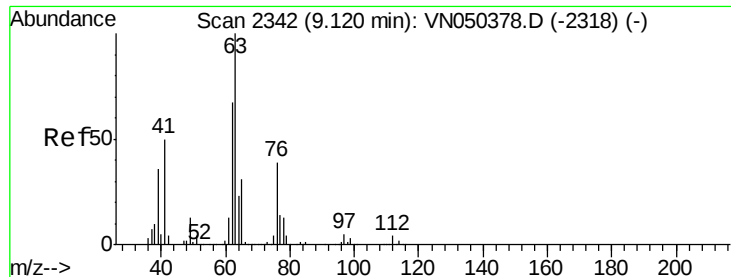
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	130	Resp:	199085
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	194.6





#45

1,2-Dichloropropane

Concen: 18.47 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 63 Resp: 186900

Ion Ratio Lower Upper

63 100

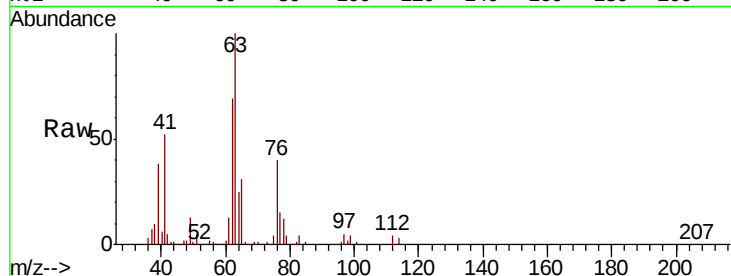
65 30.8 25.5 38.3

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

100000

80000

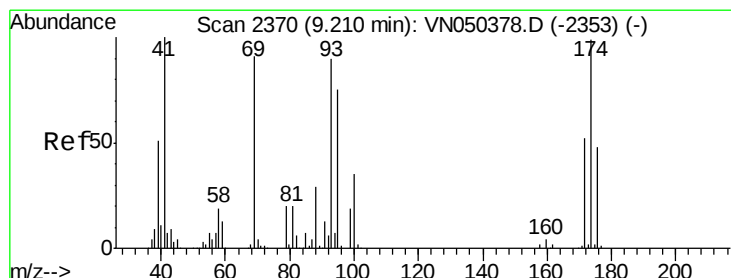
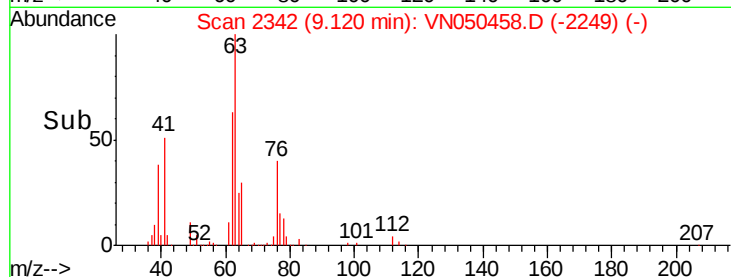
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 18.81 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

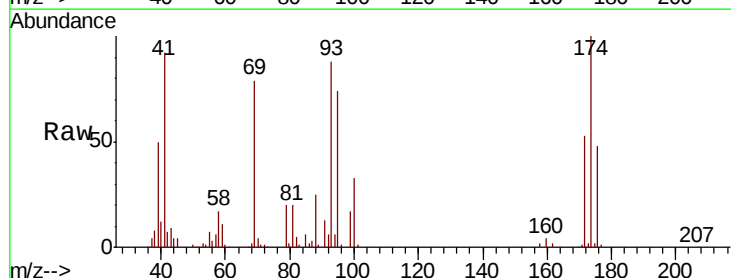
Tgt Ion: 93 Resp: 117493

Ion Ratio Lower Upper

93 100

95 81.9 66.6 100.0

174 113.0 87.1 130.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

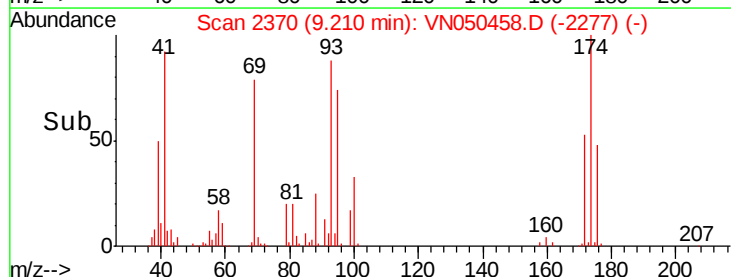
60000

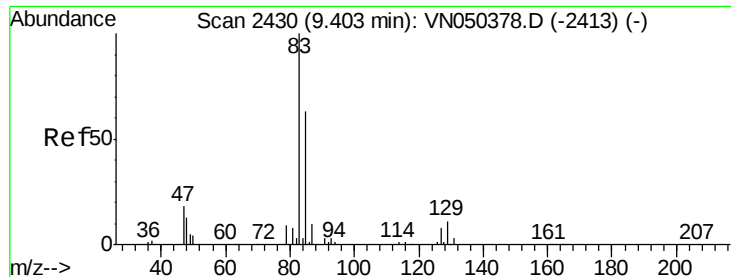
40000

20000

0

Time-->





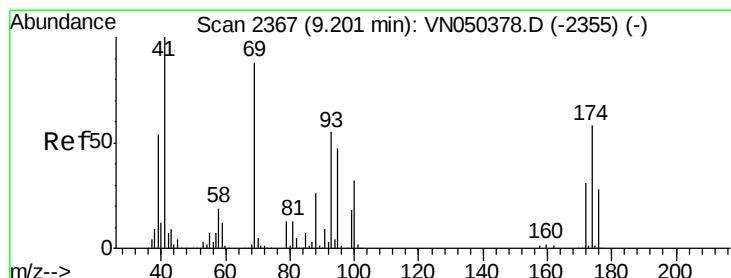
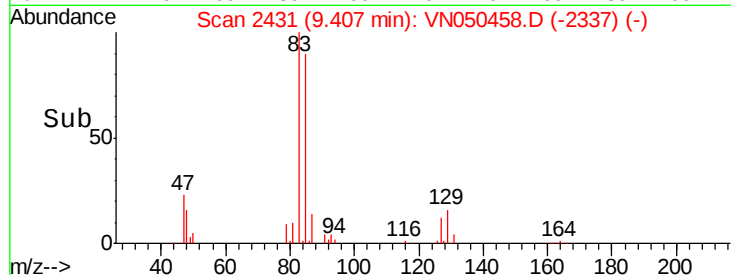
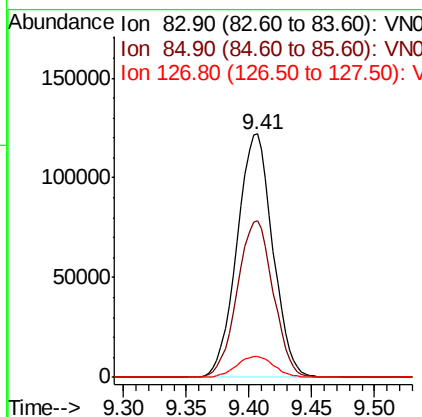
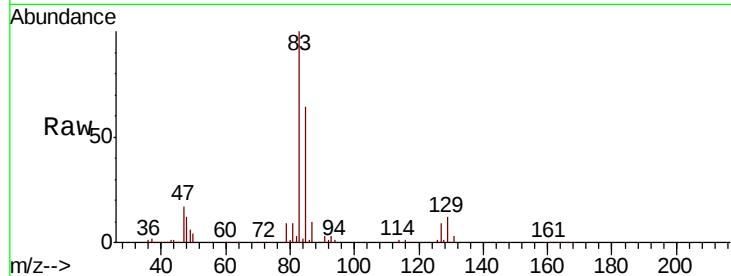
#47
Bromodichloromethane
Concen: 18.71 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	83	Resp	242102
Ion Ratio	100		
85	64.4	51.1	76.7
127	8.6	7.0	10.4

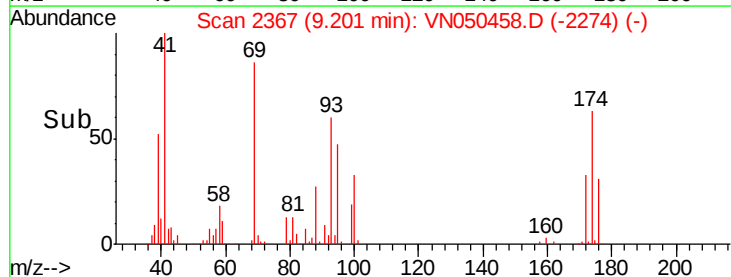
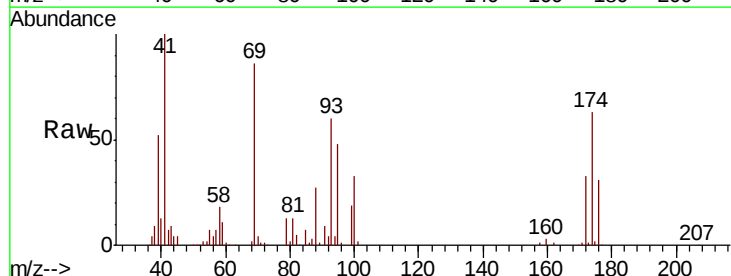
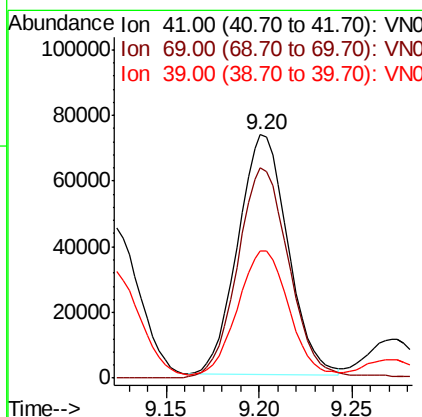
Manual Integrations
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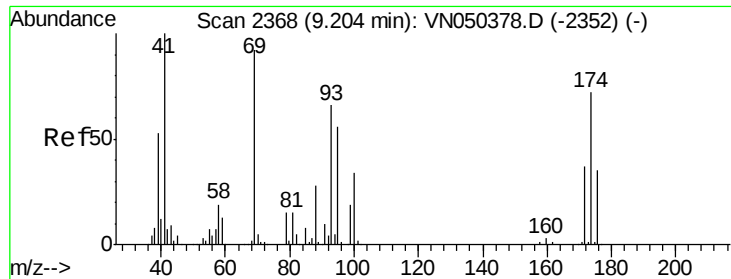
MMDadoda
8/9/2018 1:32:15 PM



#48
Methyl methacrylate
Concen: 17.55 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	41	Resp	136886
Ion Ratio	100		
69	91.3	70.6	105.8
39	55.2	43.9	65.9





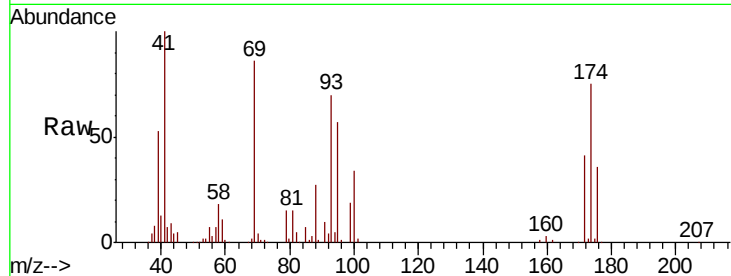
#49
1,4-Dioxane
Concen: 335.73 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.9	40.3
58	69.4	57.3	85.9

Manual Integrations
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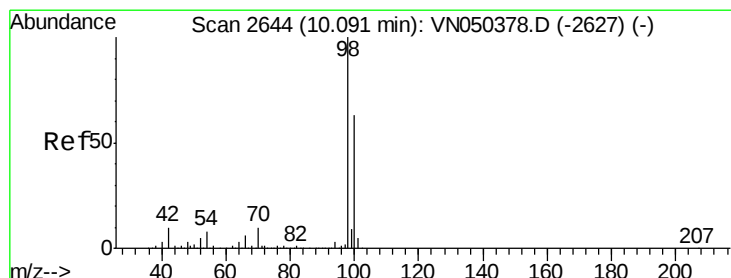
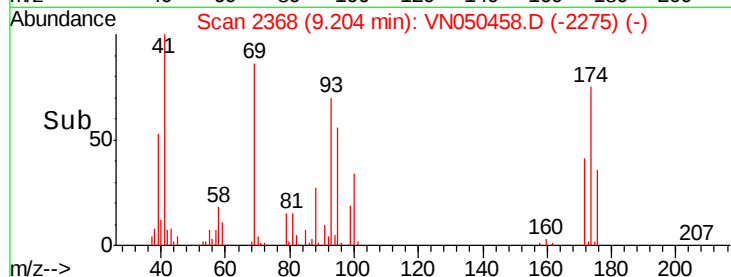
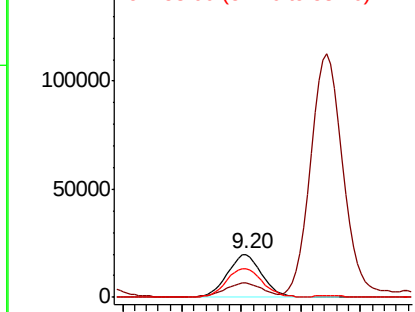


Abundance

Ion 88.00 (87.70 to 88.70): VN0

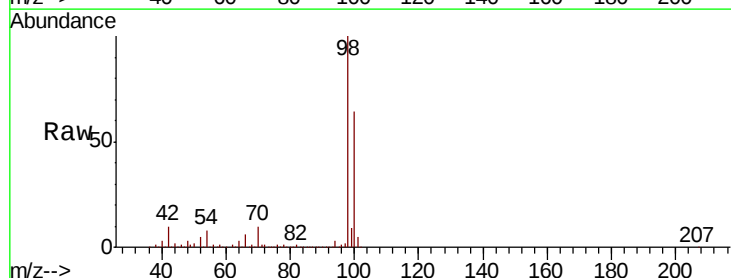
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 47.77 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

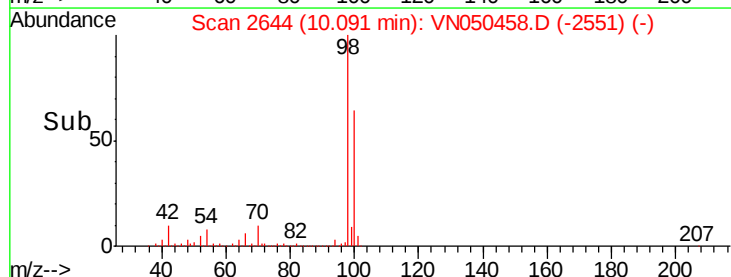
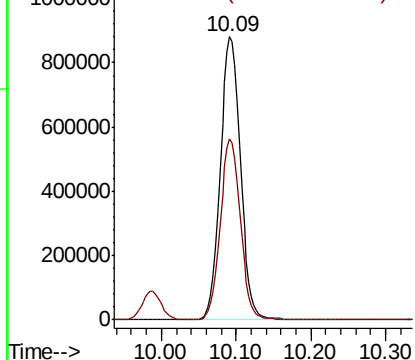
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	50.7	76.1

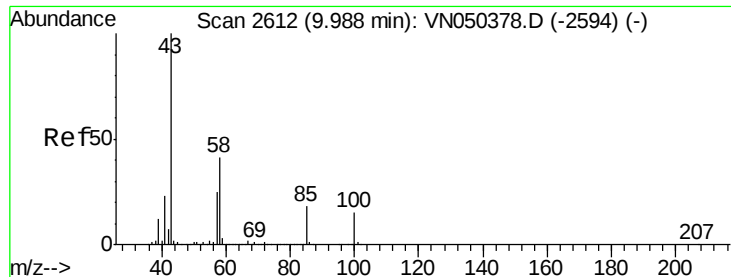


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





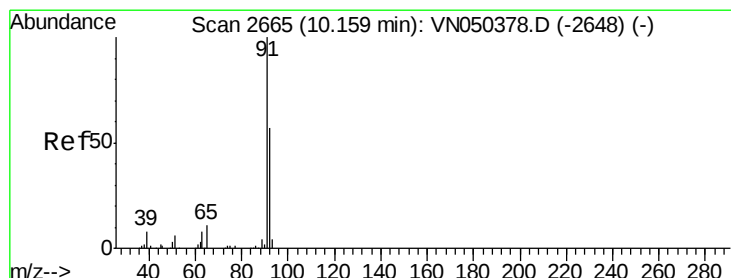
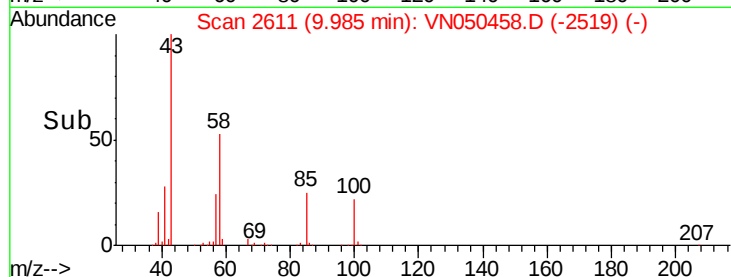
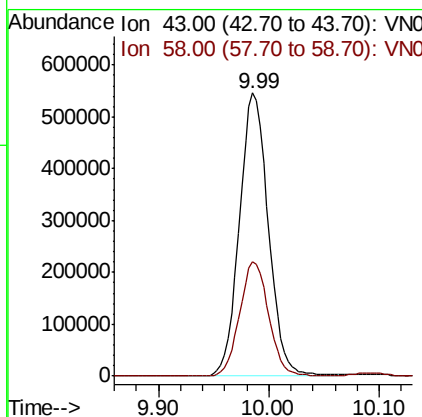
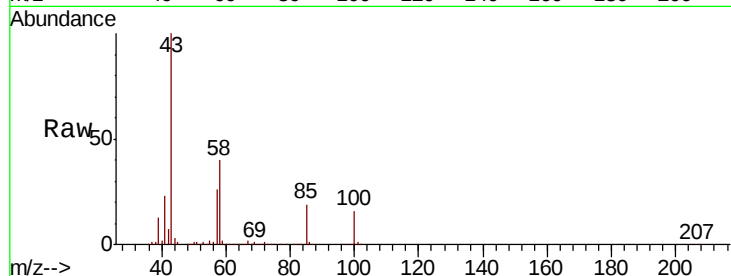
#51
4-Methyl-2-Pentanone
Concen: 88.52 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	43	Resp	992039
Ion Ratio	43	100	
Lower	58	40.6	31.9
Upper			47.9

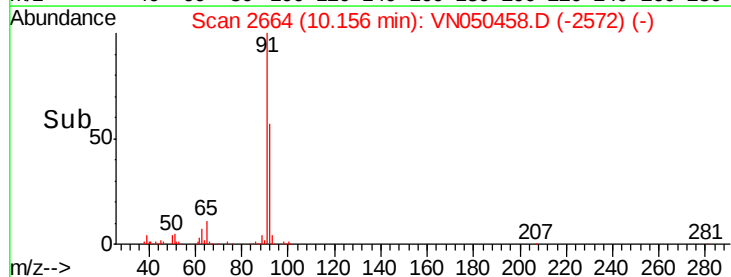
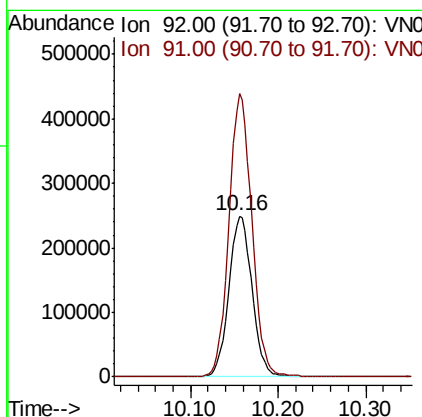
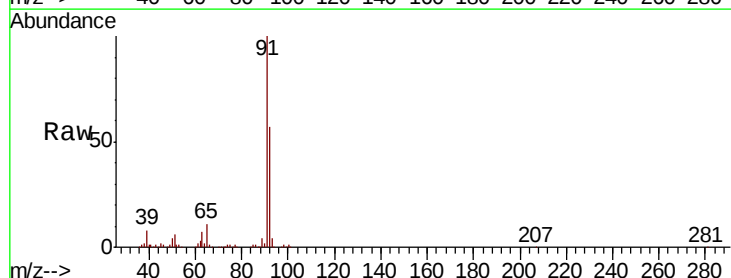
Manual Integrations
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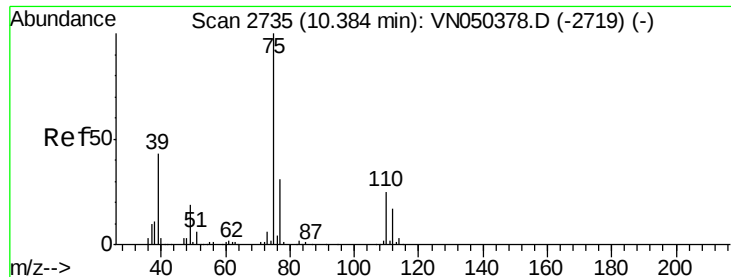
MMDadoda
8/9/2018 1:32:15 PM



#52
Toluene
Concen: 19.84 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	92	Resp	458565
Ion Ratio	92	100	
Lower	91	174.2	140.3
Upper			210.5





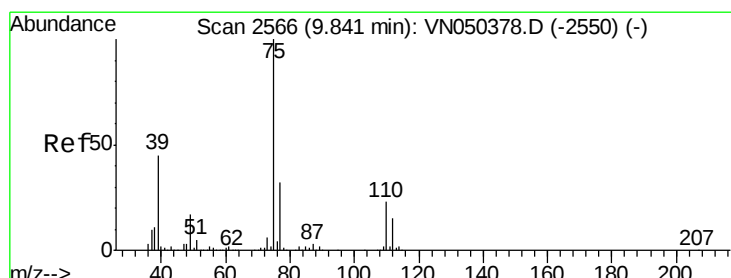
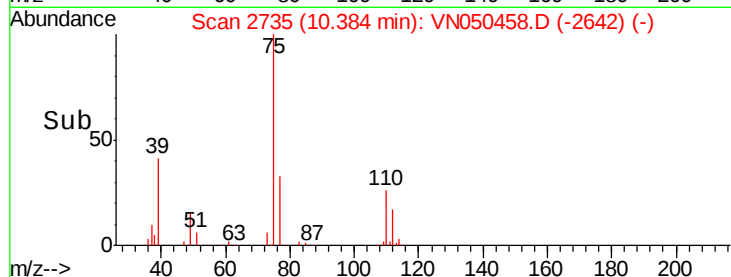
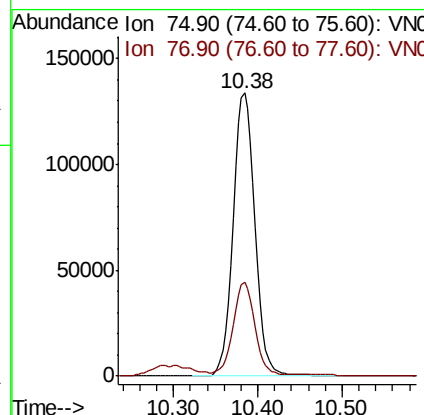
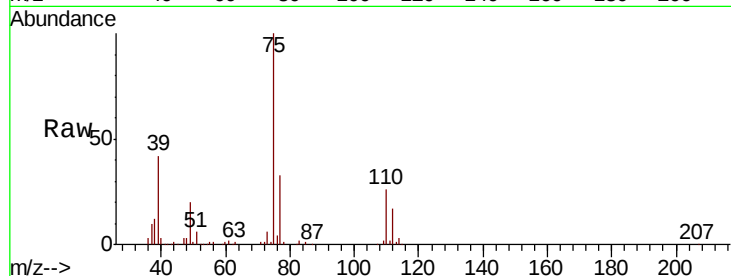
#53
t-1,3-Dichloropropene
Concen: 18.48 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.9	37.3

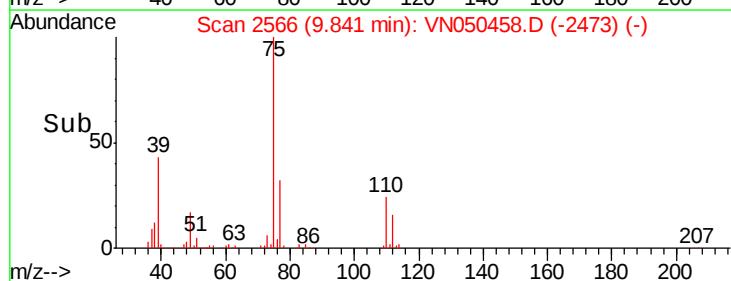
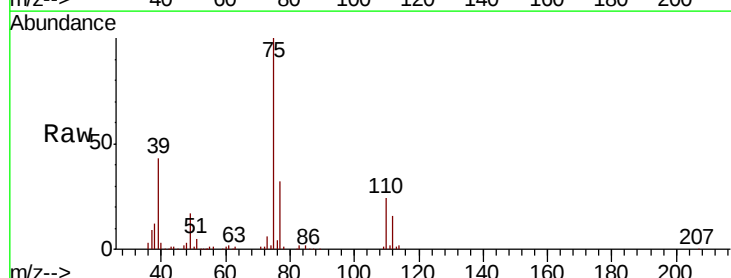
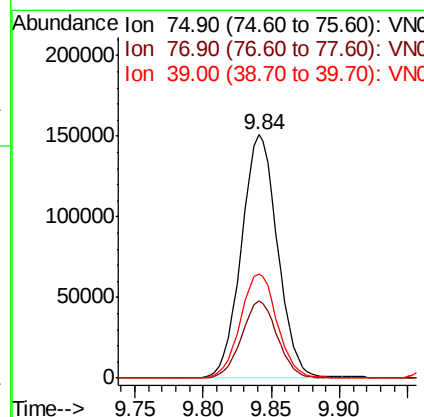
Manual Integrations
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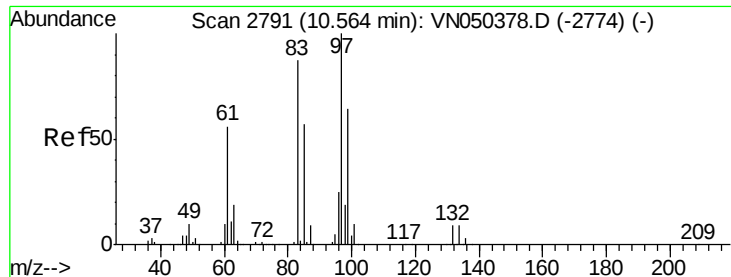
MMDadoda
8/9/2018 1:32:15 PM



#54
cis-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	42.8	36.6	55.0





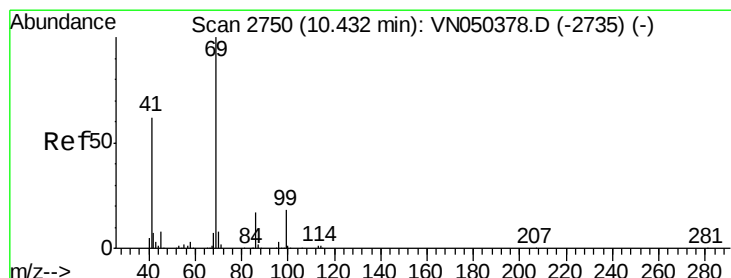
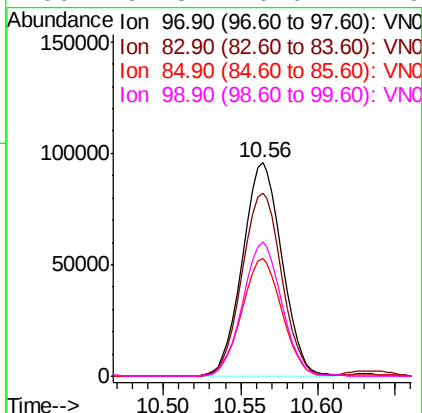
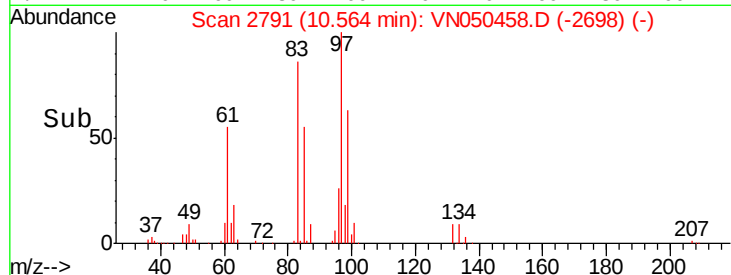
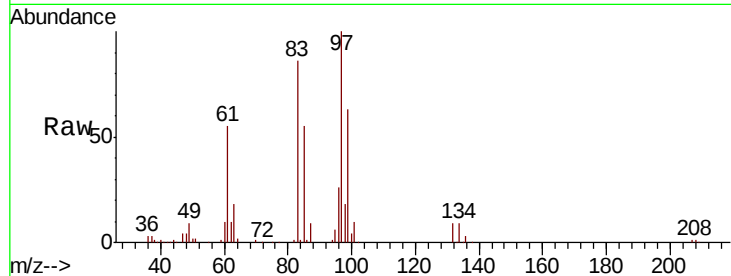
#55
 1,1,2-Trichloroethane
 Concen: 18.93 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.8	69.2	103.8		
85	55.4	44.0	66.0		
99	62.8	49.9	74.9		

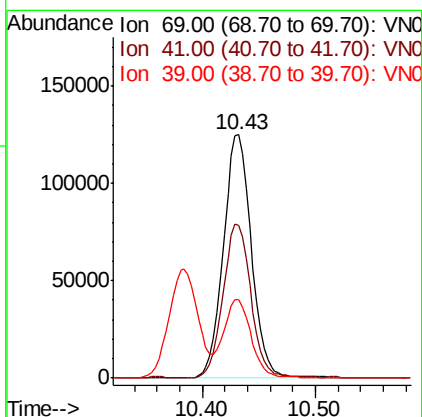
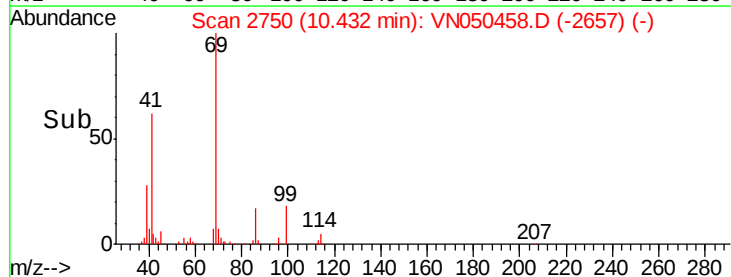
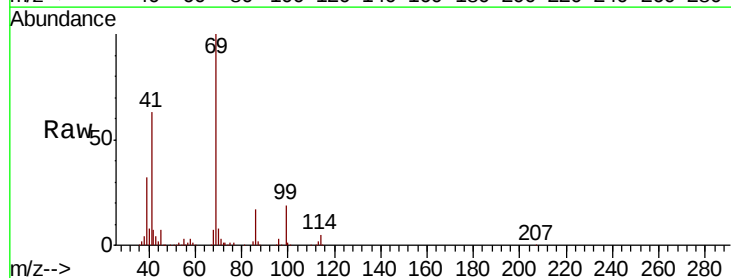
Manual Integrations
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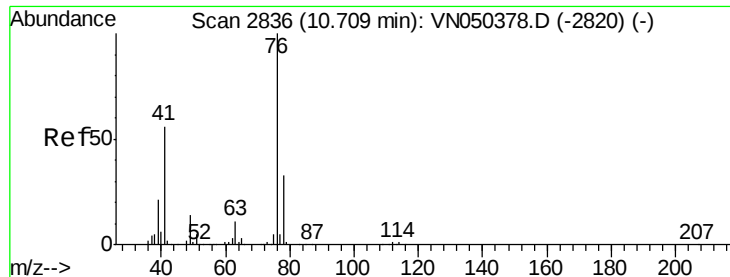
MMDadoda
 8/9/2018 1:32:15 PM



#56
 Ethyl methacrylate
 Concen: 18.02 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	62.4	51.0	76.4		
39	31.3	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.05 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 76 Resp: 282167

Ion Ratio Lower Upper

76 100

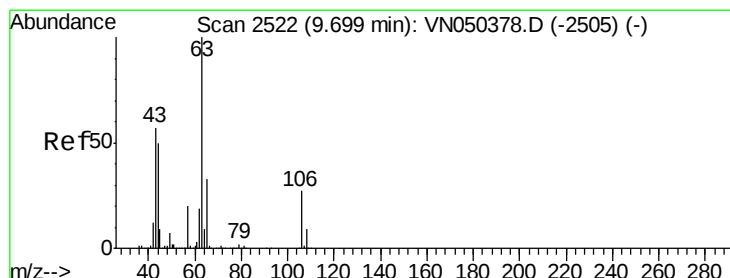
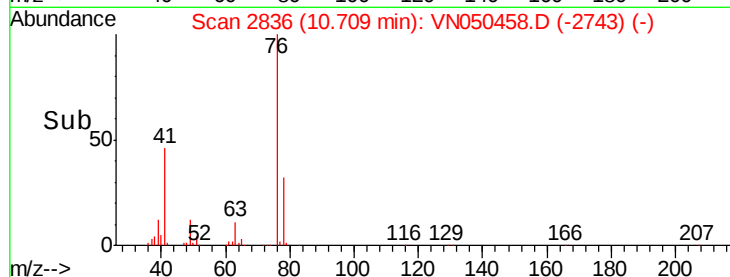
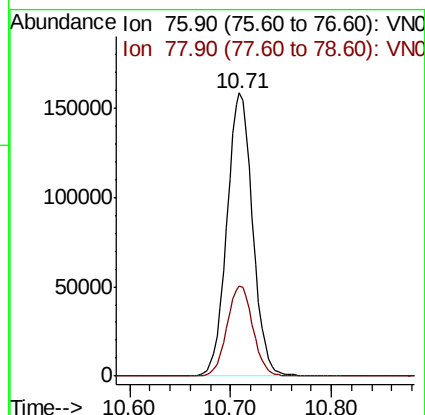
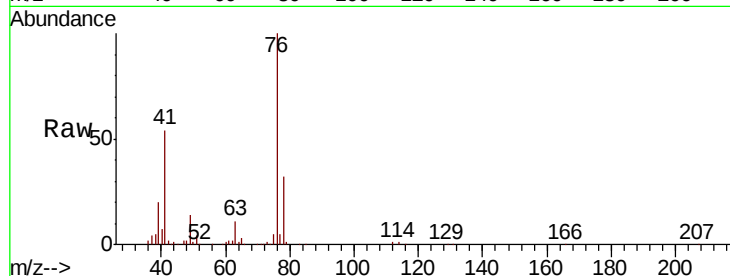
78 32.1 25.7 38.5

Manual Integrations

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MMDadoda

8/9/2018 1:32:15 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.02 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050458.D

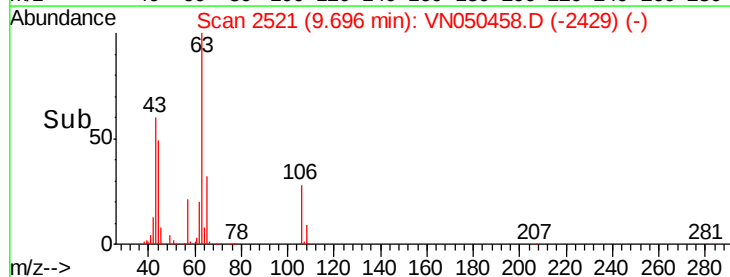
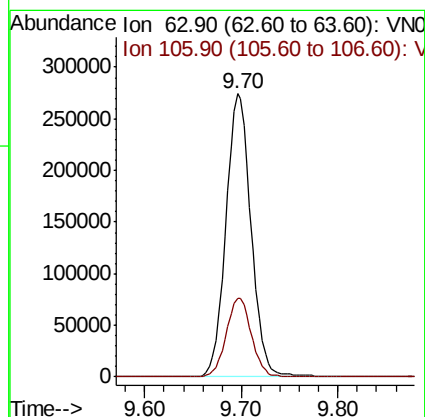
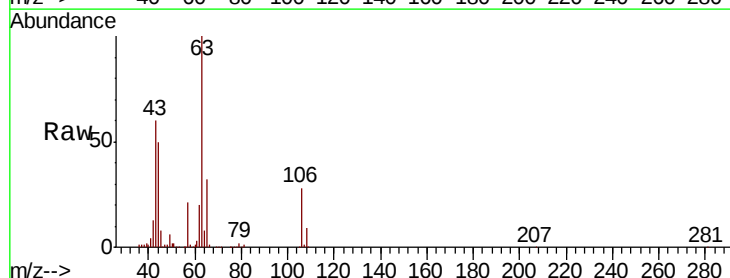
Acq: 8 Aug 2018 14:50

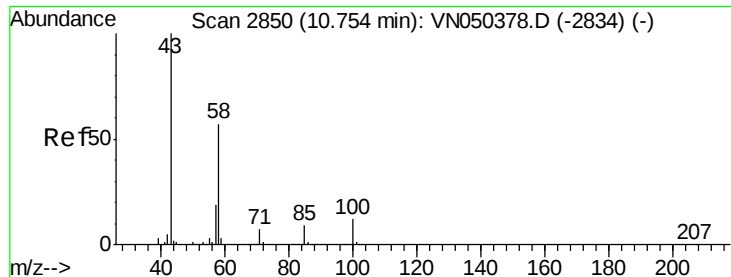
Tgt Ion: 63 Resp: 494560

Ion Ratio Lower Upper

63 100

106 28.0 21.7 32.5





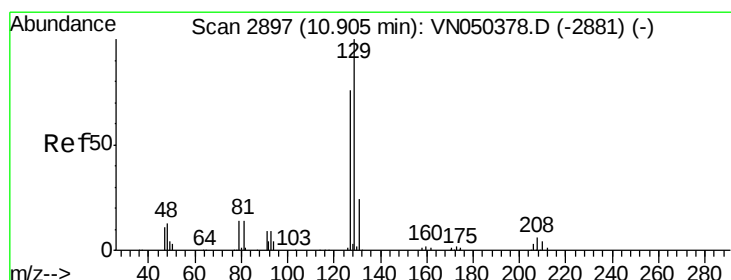
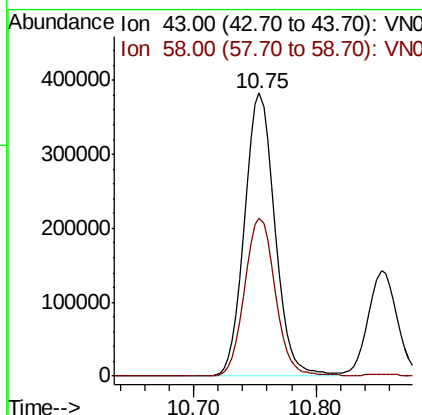
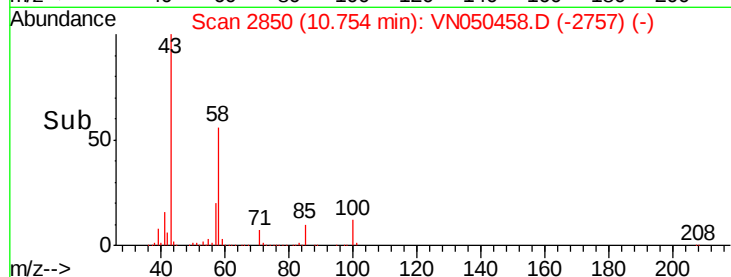
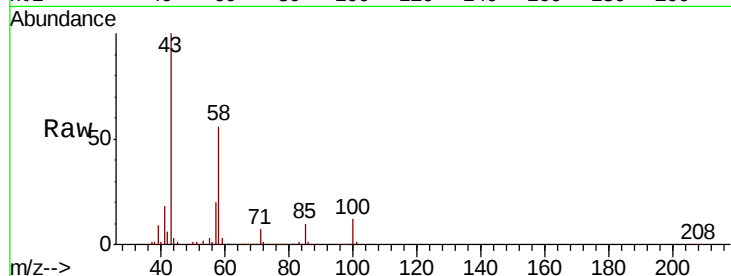
#59
2-Hexanone
Concen: 83.54 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion: 43 Resp: 653395
Ion Ratio Lower Upper
43 100
58 56.7 27.6 82.7

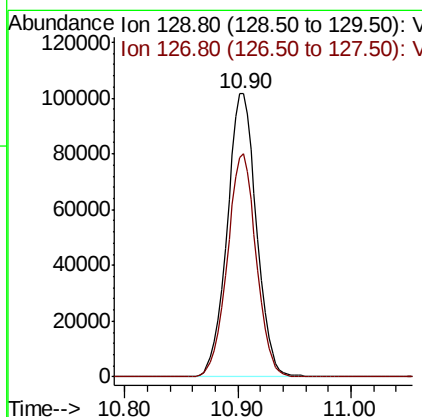
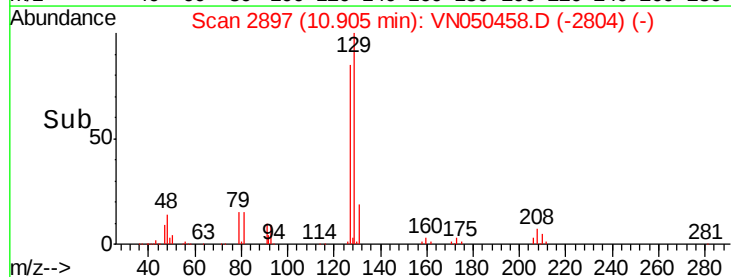
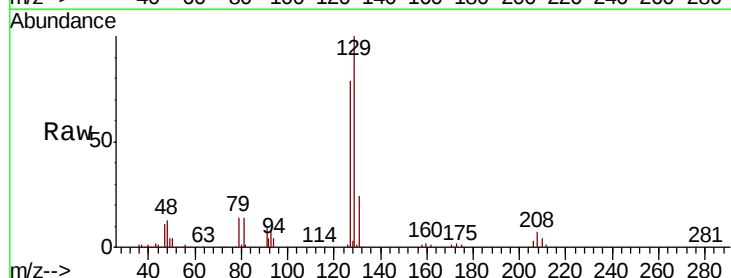
Manual Integrations
APPROVED

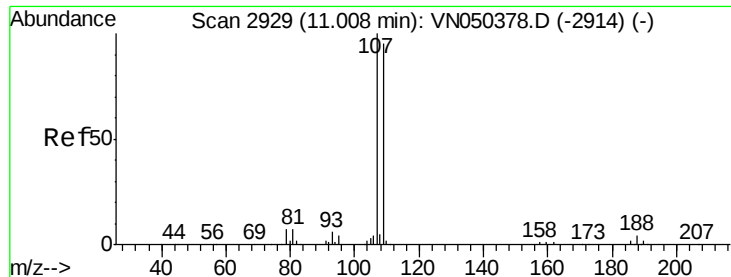
MMDadoda
8/9/2018 1:32:15 PM



#60
Dibromochloromethane
Concen: 18.40 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 129 Resp: 182965
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





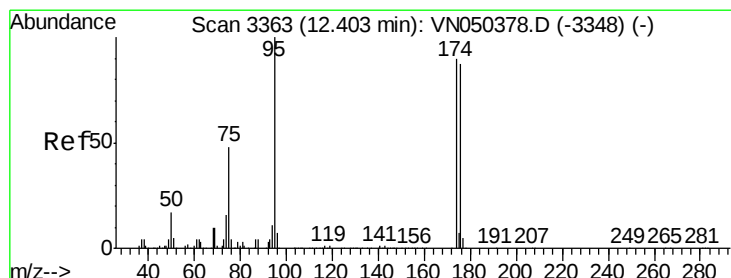
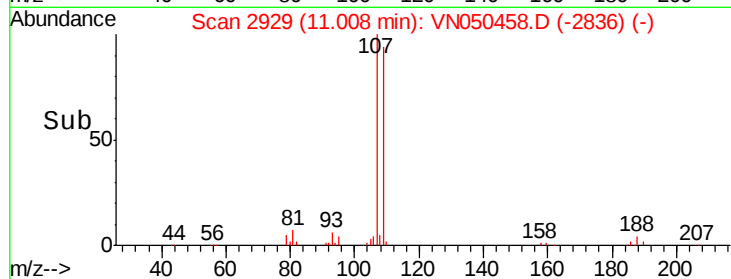
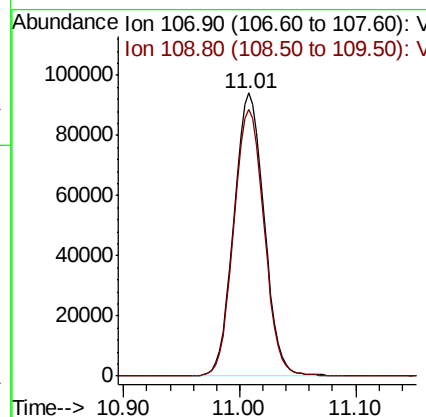
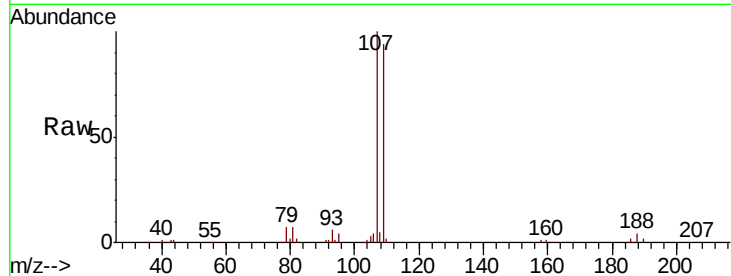
#61
 1,2-Dibromoethane
 Concen: 19.04 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0

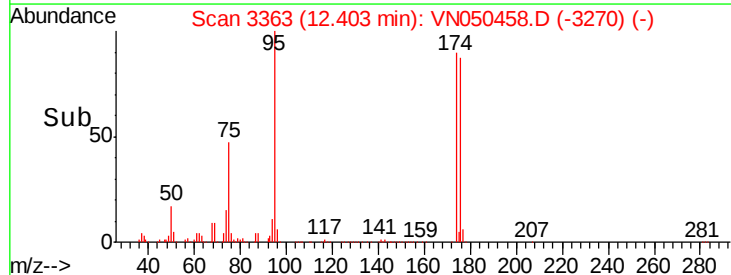
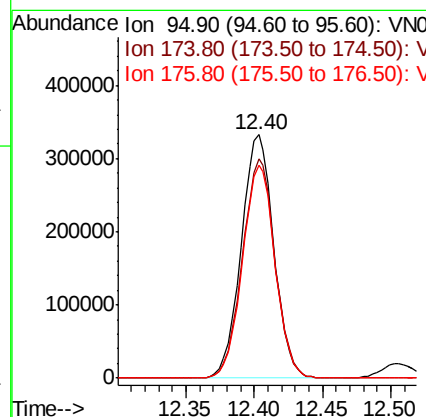
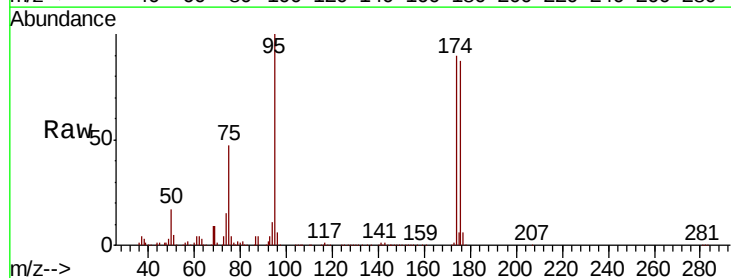
Manual Integrations
 APPROVED

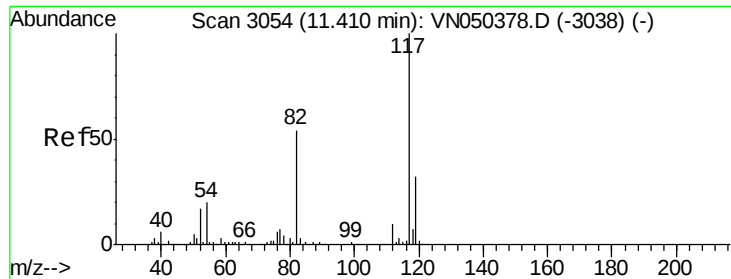
MMDadoda
 8/9/2018 1:32:15 PM



#62
 4-Bromofluorobenzene
 Concen: 46.88 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	178.2
176	87.6	0.0	173.4





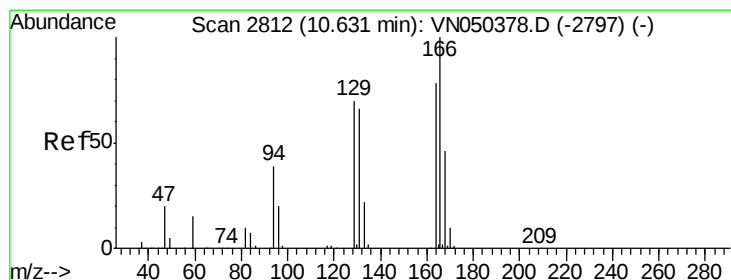
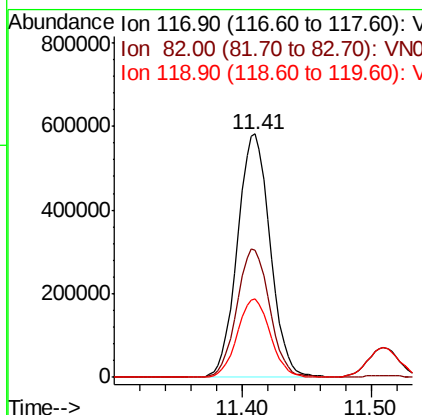
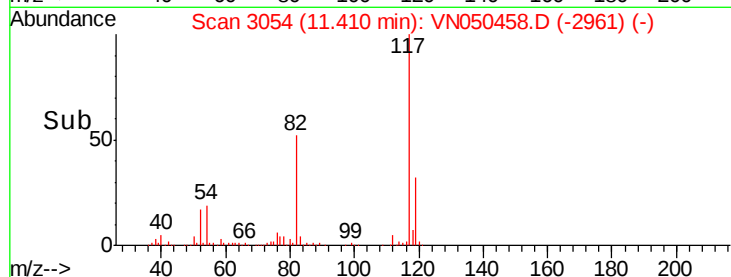
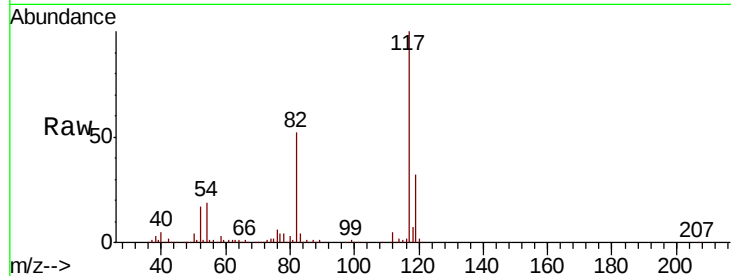
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion:117 Resp: 1028169
Ion Ratio Lower Upper
117 100
82 52.3 43.7 65.5
119 32.2 26.1 39.1

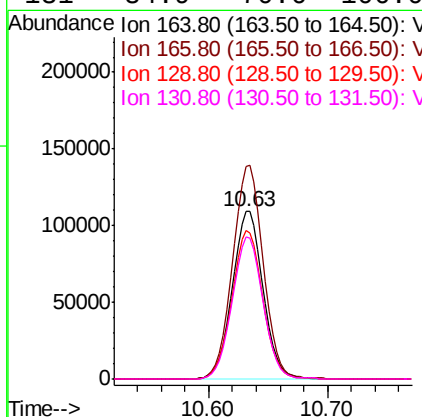
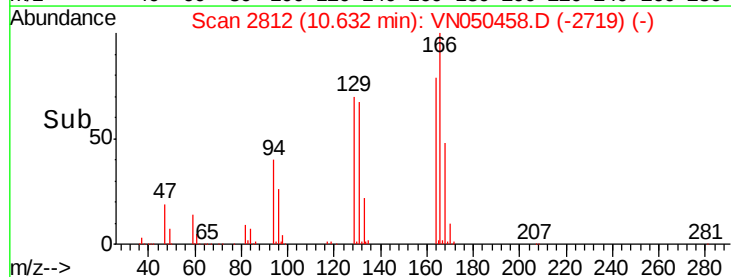
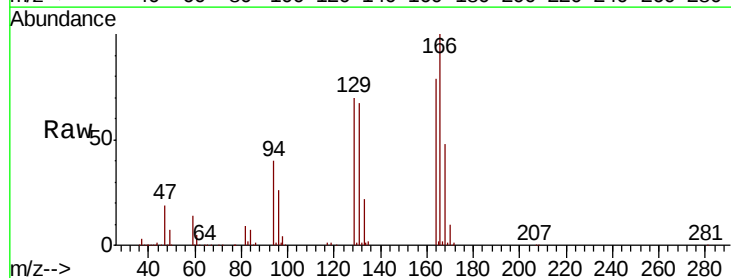
Manual Integrations
APPROVED

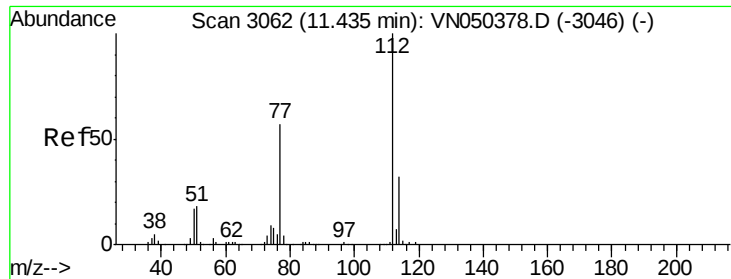
MMDadoda
8/9/2018 1:32:15 PM



#64
Tetrachloroethene
Concen: 20.32 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion:164 Resp: 195260
Ion Ratio Lower Upper
164 100
166 126.6 102.1 153.1
129 88.7 73.2 109.8
131 84.9 70.6 106.0





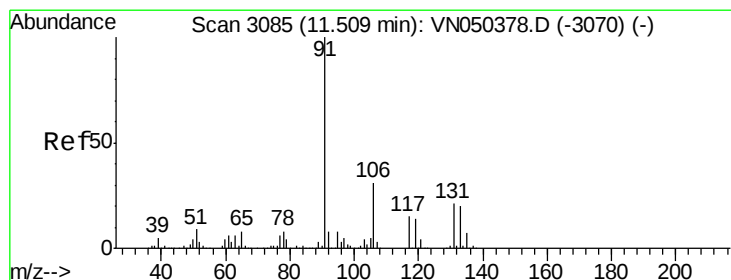
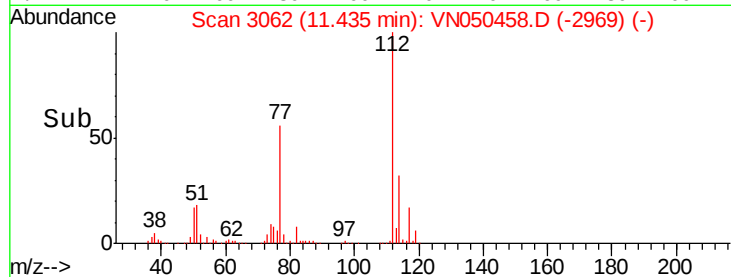
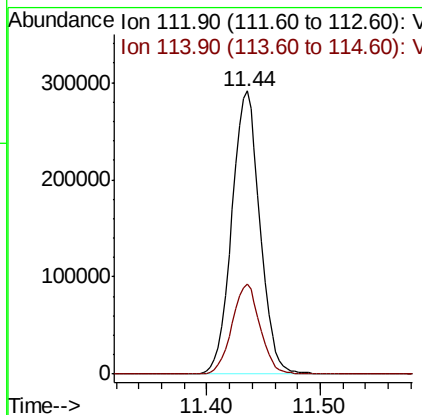
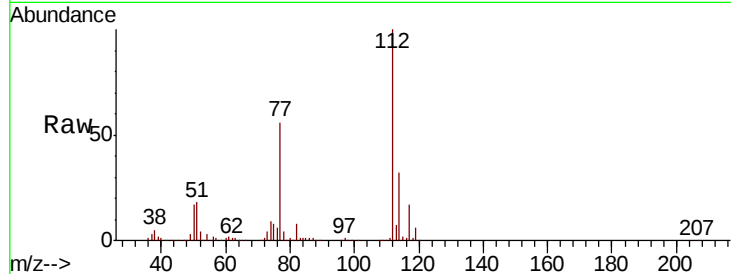
#65
Chlorobenzene
Concen: 19.55 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

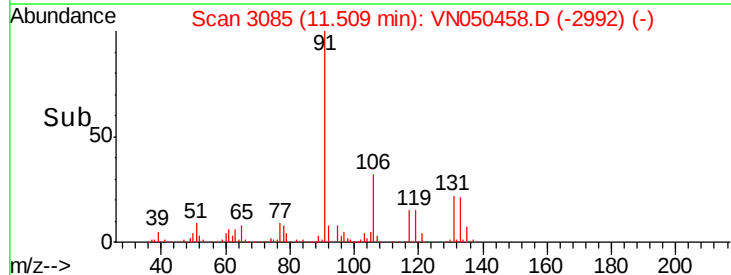
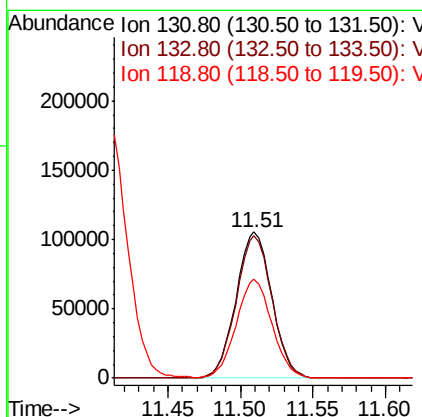
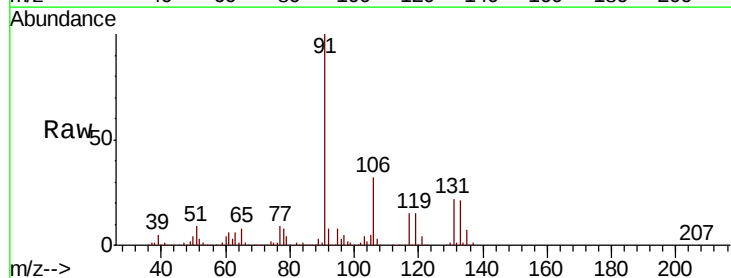
Manual Integrations
APPROVED

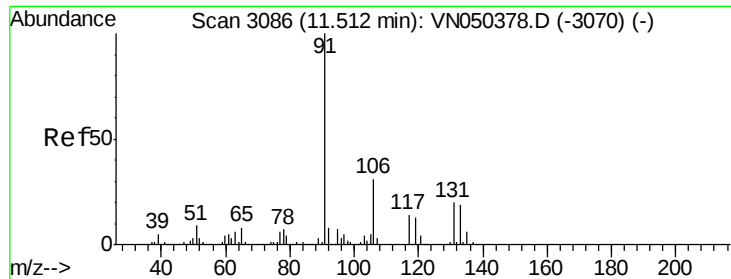
MMDadoda
8/9/2018 1:32:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.33 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.3	141.9
119	67.5	32.9	98.7





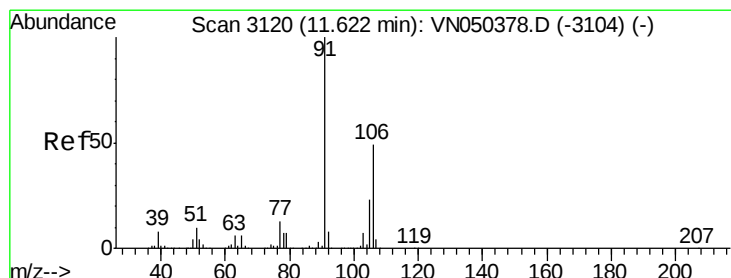
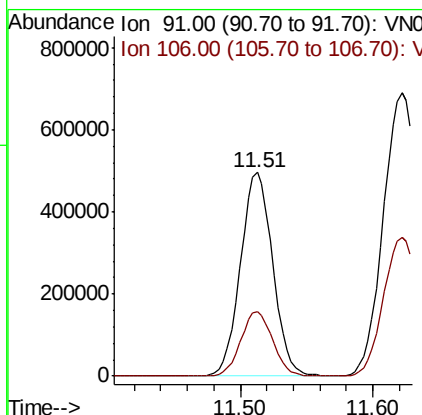
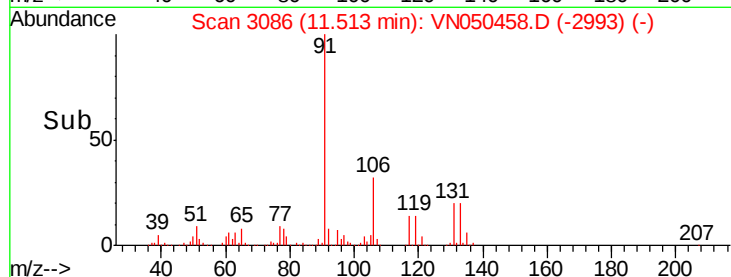
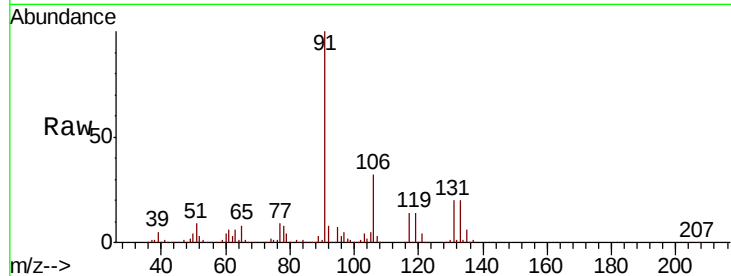
#67
Ethyl Benzene
Concen: 20.09 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion: 91 Resp: 836875
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

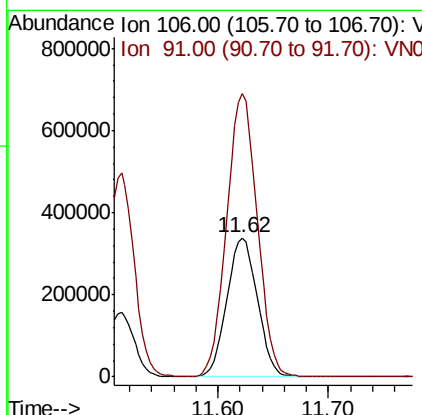
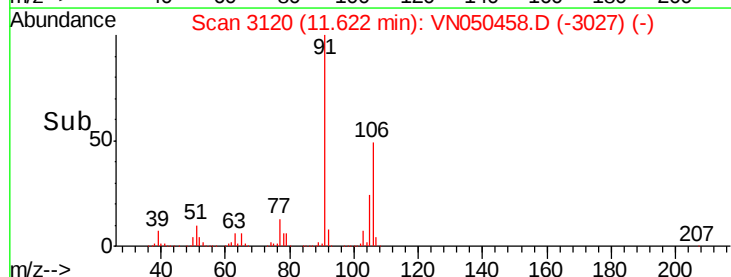
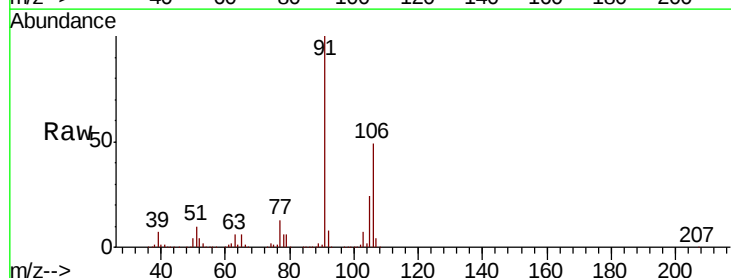
Manual Integrations
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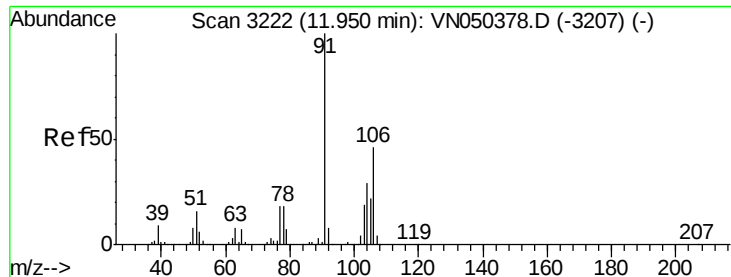
MMDadoda
8/9/2018 1:32:15 PM



#68
m/p-Xylenes
Concen: 40.94 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion: 106 Resp: 649455
Ion Ratio Lower Upper
106 100
91 204.0 162.2 243.2





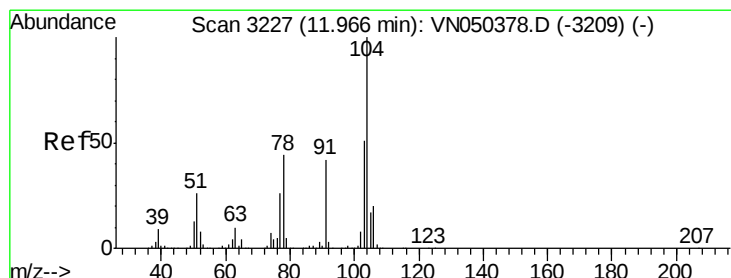
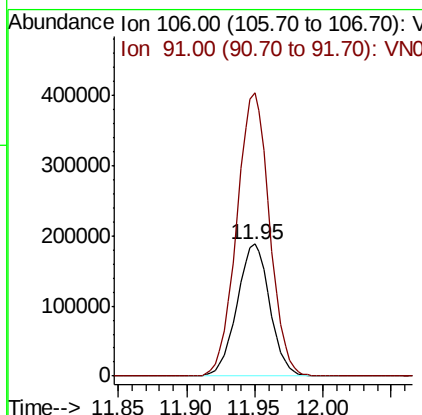
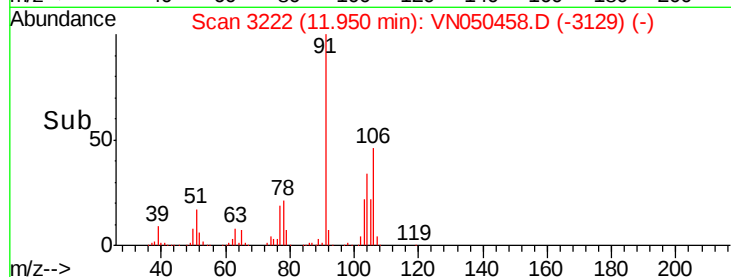
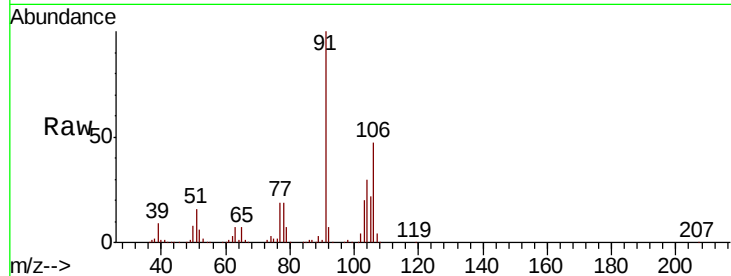
#69
o-Xylene
Concen: 20.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.7	323.1

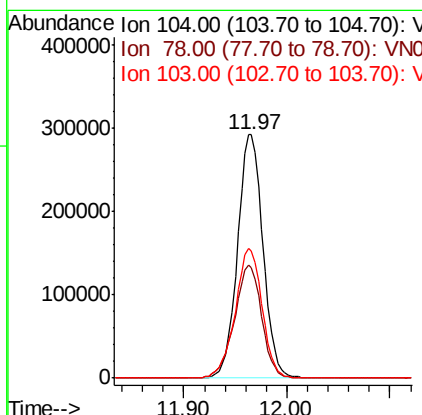
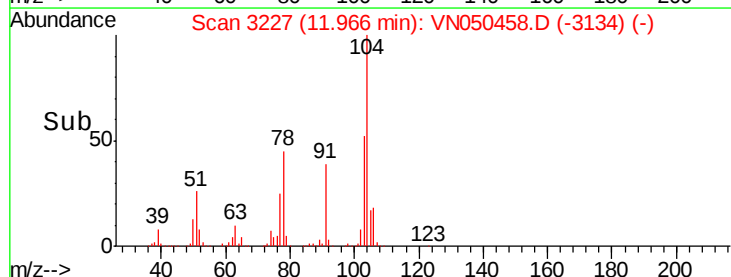
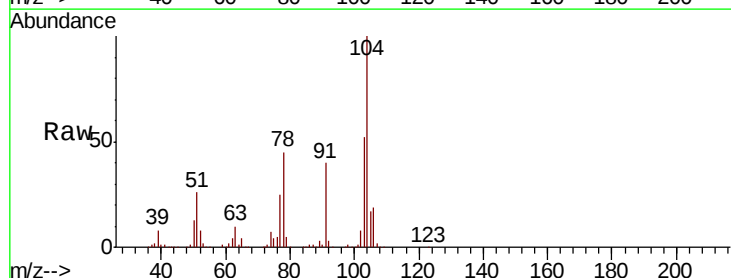
Manual Integrations
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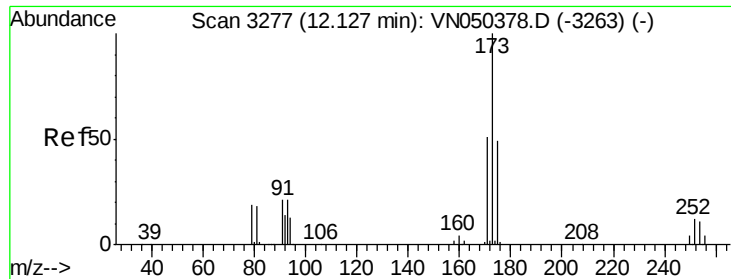
MMDadoda
8/9/2018 1:32:15 PM



#70
Styrene
Concen: 20.14 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.3	58.9
103	56.3	45.0	67.6





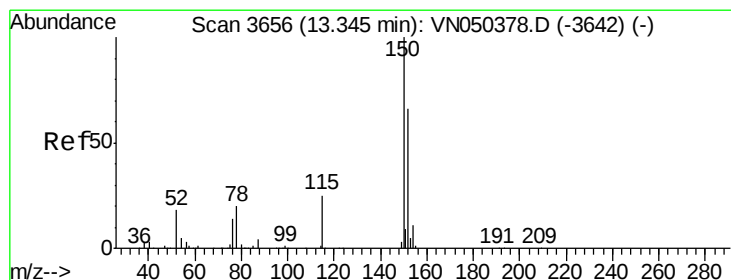
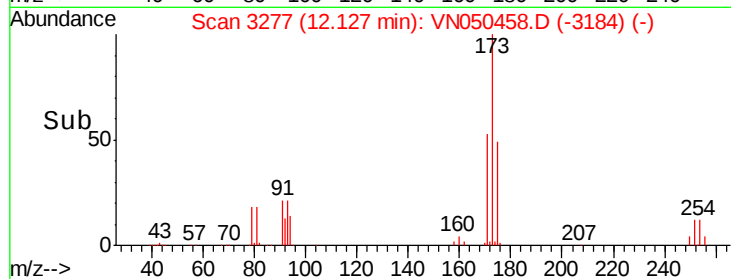
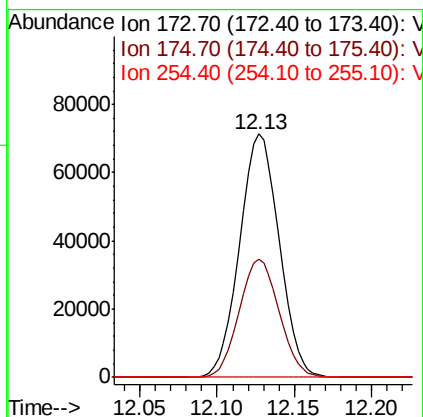
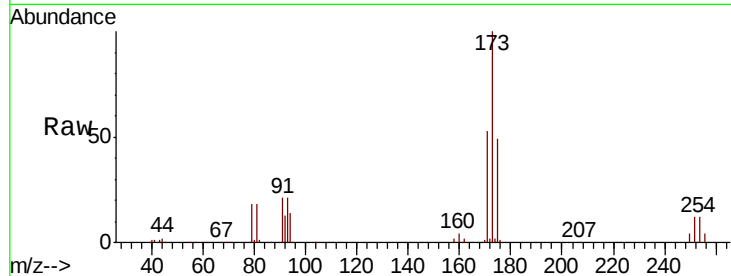
#71
Bromoform
Concen: 18.53 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.2
254	0.0	0.2	0.2

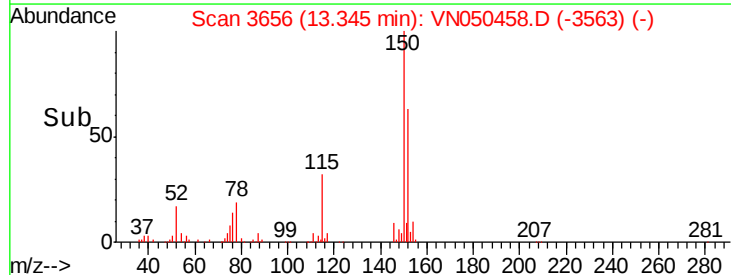
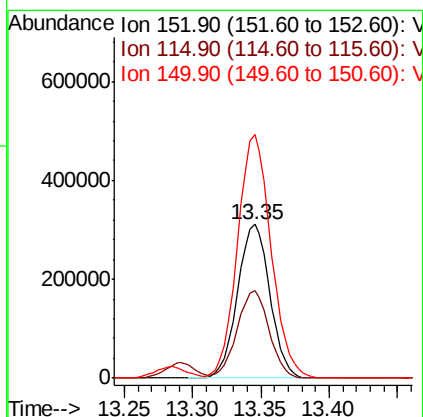
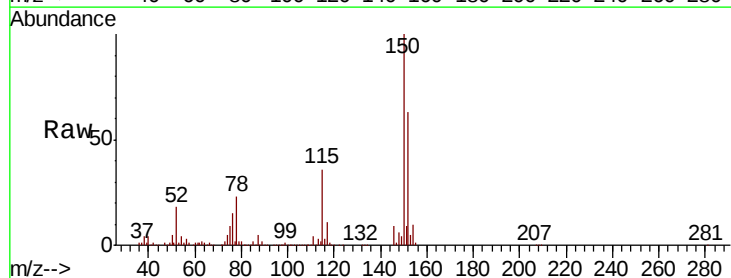
Manual Integrations
APPROVED

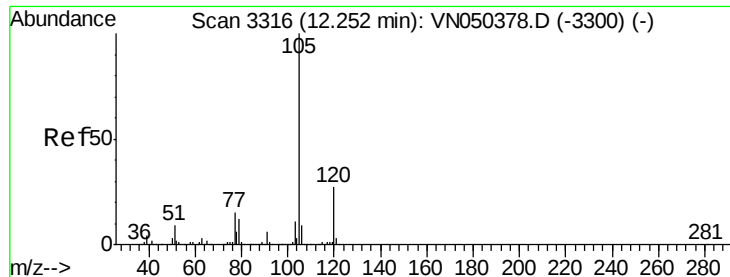
MMDadoda
8/9/2018 1:32:15 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	27.8	83.3
150	165.2	0.0	348.6





#73

Isopropylbenzene

Concen: 21.63 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 105 Resp: 829188

Ion Ratio Lower Upper

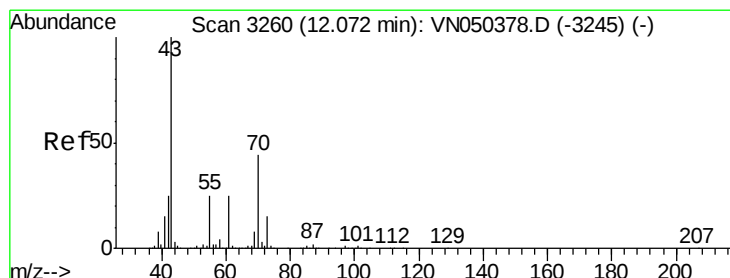
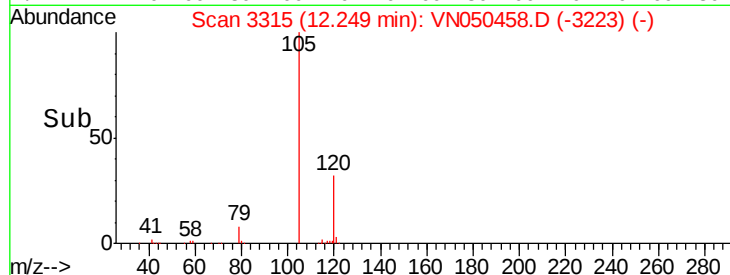
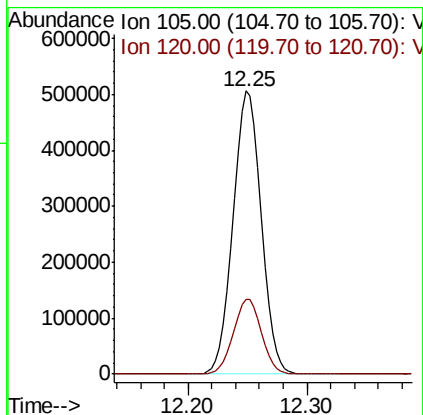
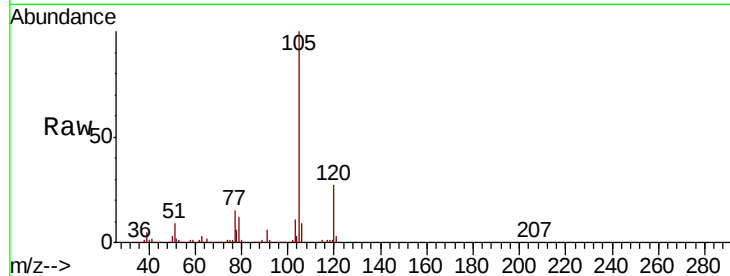
105 100

120 26.5 13.3 39.8

Manual Integrations
APPROVED

MMDadoda

8/9/2018 1:32:15 PM



#74

N-ethyl acetate

Concen: 18.62 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion: 43 Resp: 231430

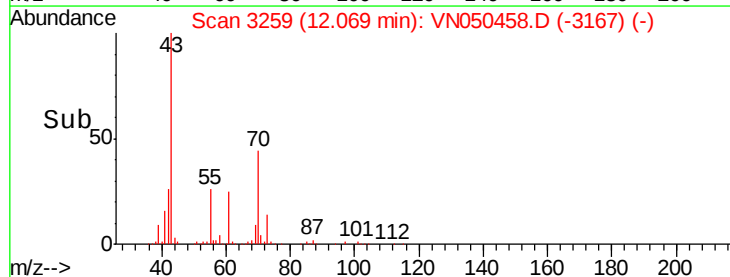
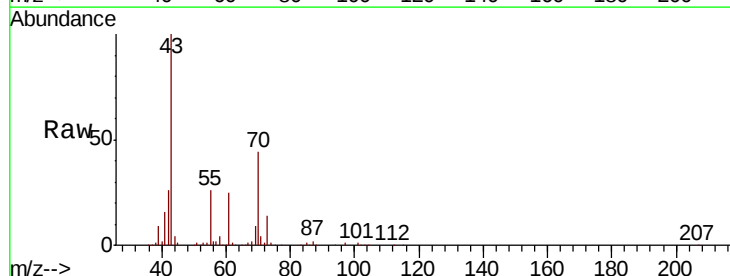
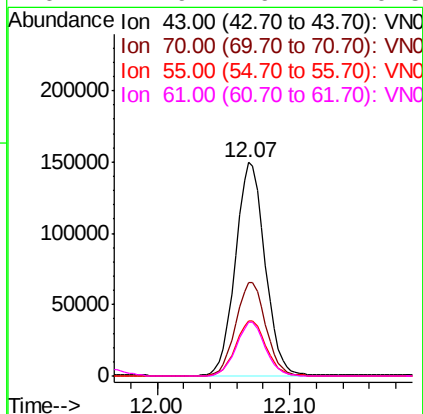
Ion Ratio Lower Upper

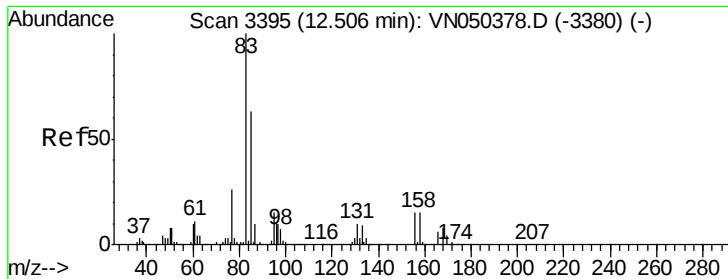
43 100

70 44.7 34.4 51.6

55 26.8 20.8 31.2

61 24.9 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

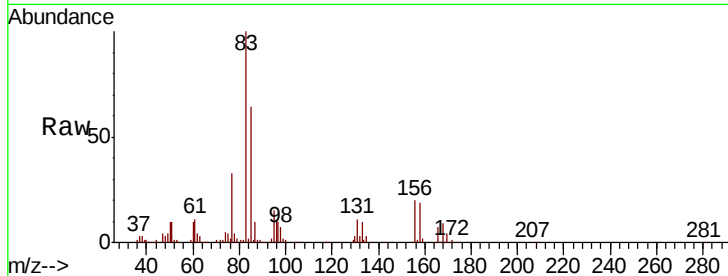
ClientSampleId :

VN0808MBSD01

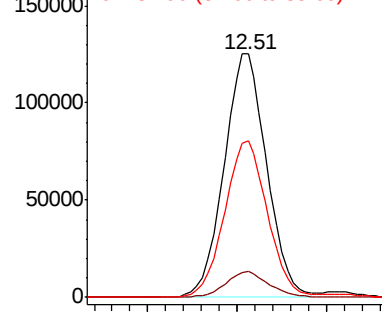
Tot Ion:	83	Resp:	208383
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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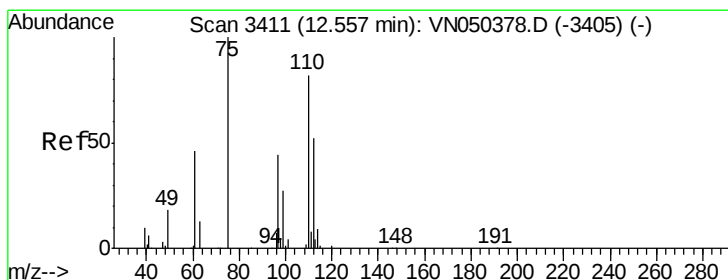
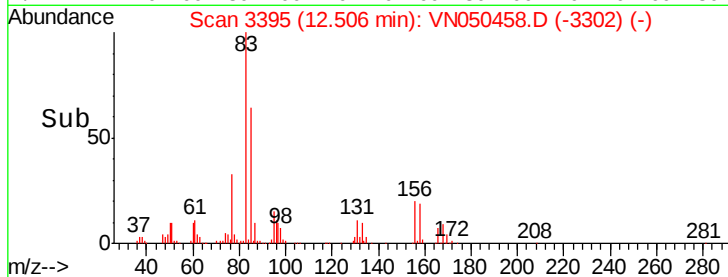
MMDadoda
8/9/2018 1:32:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.37 ug/l m

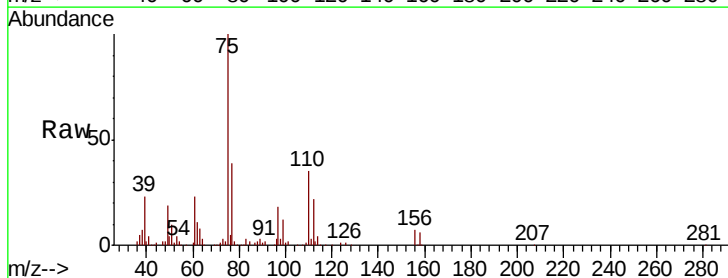
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

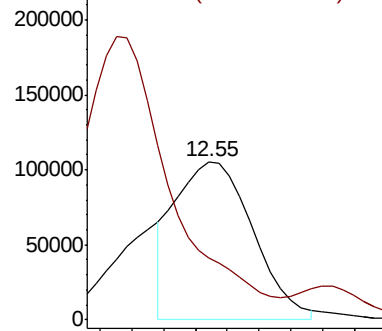
Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

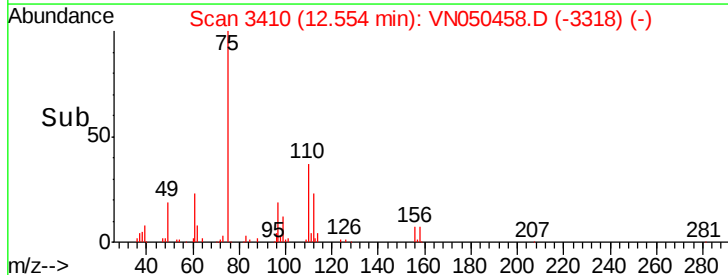
Tgt Ion:	75	Resp:	179079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

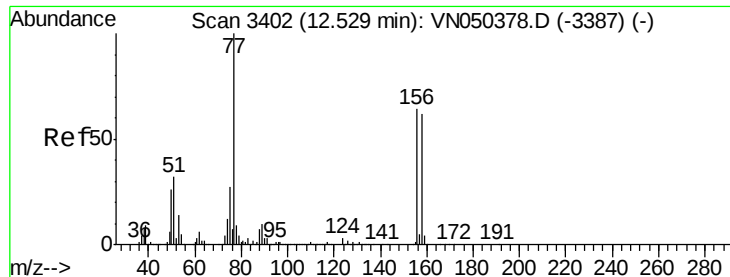


Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)



Time-->





#77

Bromobenzene

Concen: 20.92 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

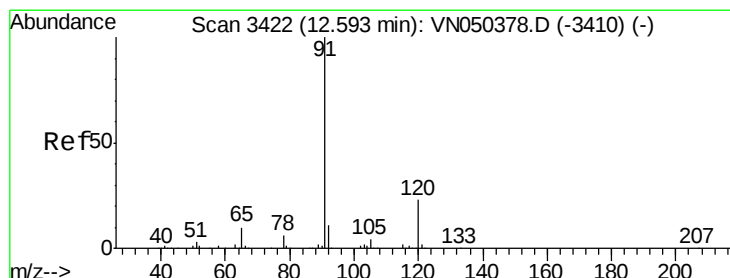
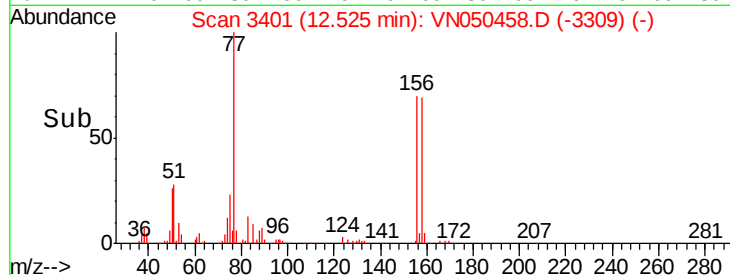
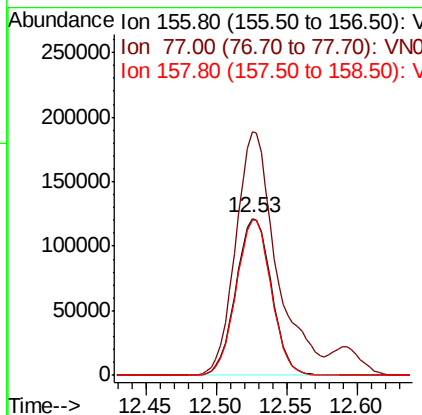
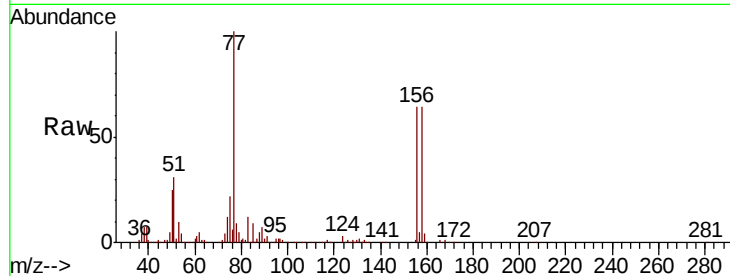
ClientSampleId :

VN0808MBSD01

Tot Ion:	156	Resp:	214915
Ion Ratio	Lower	Upper	
156	100		
77	178.2	91.7	275.1
158	97.6	48.9	146.6

Manual Integrations
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8/9/2018 1:32:15 PM



#78

n-propylbenzene

Concen: 20.90 ug/l

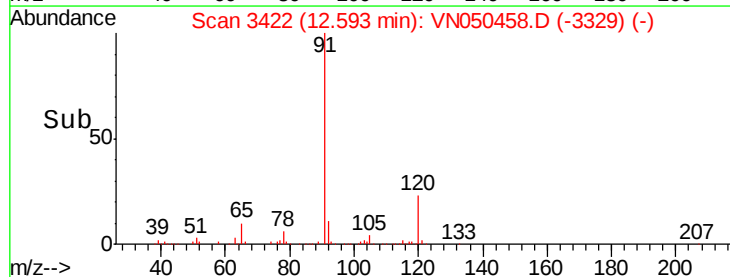
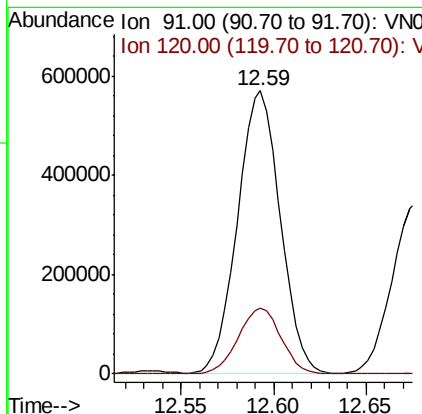
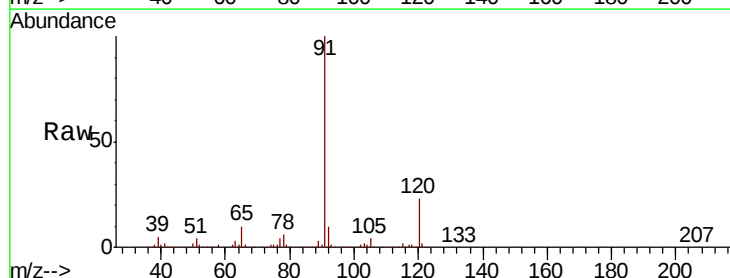
RT: 12.59 min Scan# 3422

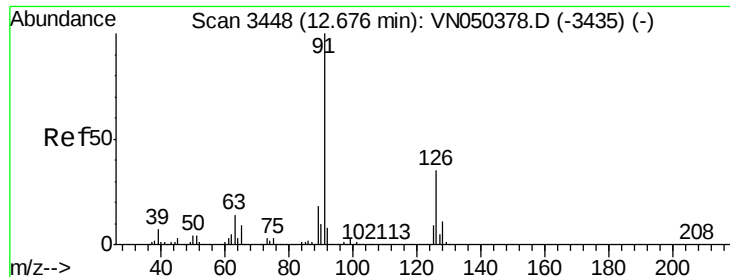
Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Tgt Ion:	91	Resp:	906882
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 20.93 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 91 Resp: 561069

Ion Ratio Lower Upper

91 100

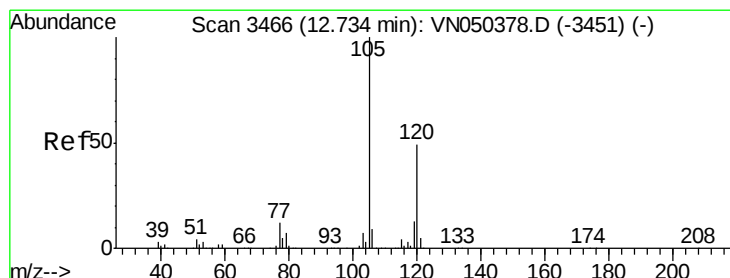
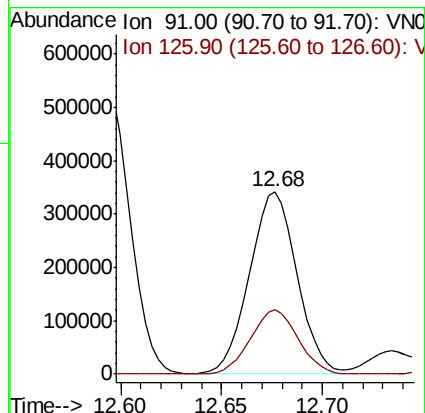
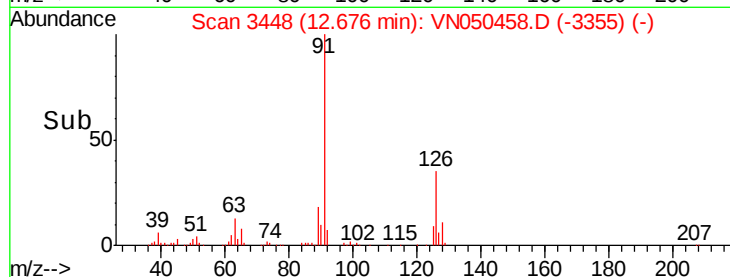
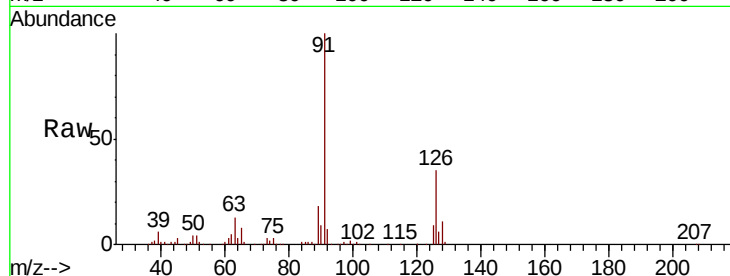
126 35.7 17.6 52.8

Manual Integrations

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8/9/2018 1:32:15 PM



#80

1,3,5-Trimethylbenzene

Concen: 21.48 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050458.D

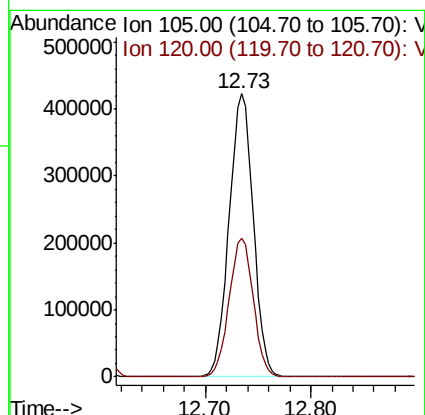
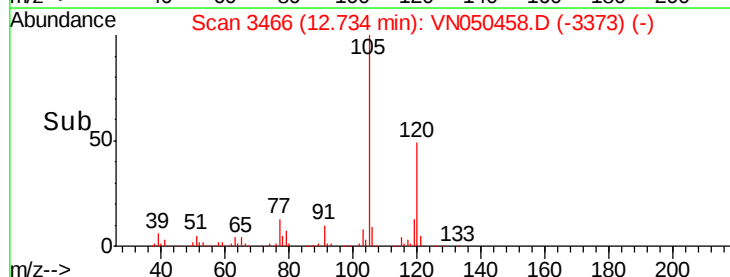
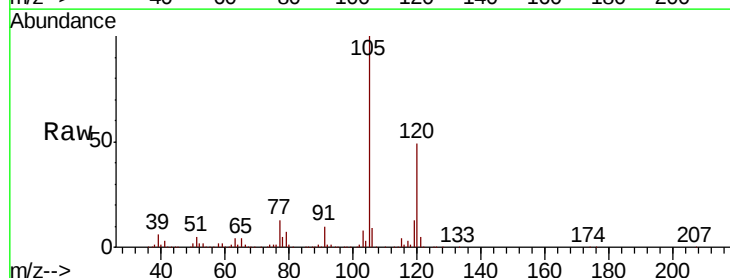
Acq: 8 Aug 2018 14:50

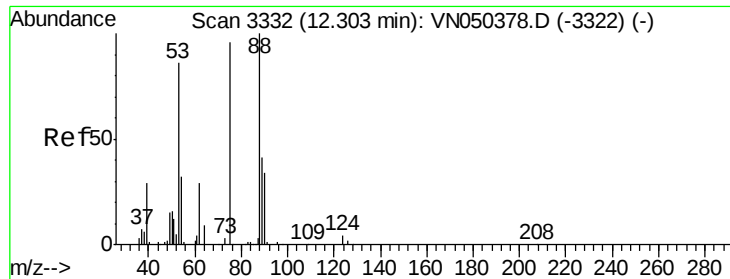
Tgt Ion: 105 Resp: 668683

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.05 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion: 75 Resp: 50133

Ion Ratio Lower Upper

75 100

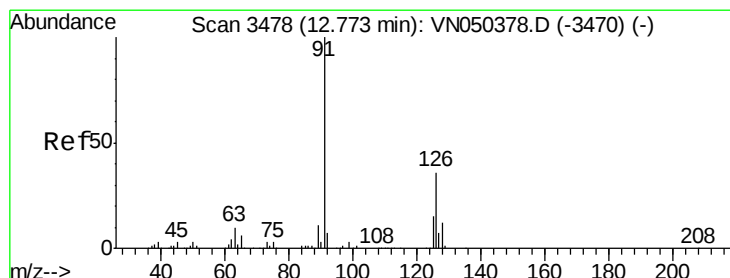
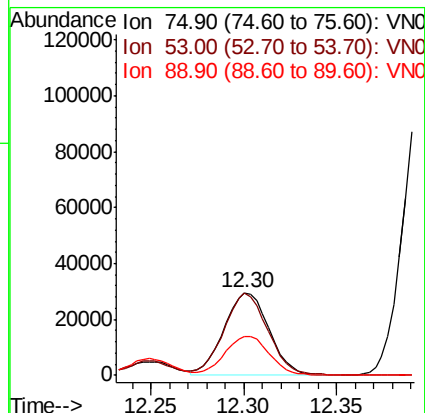
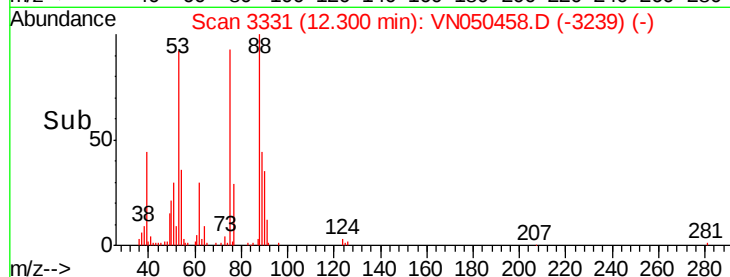
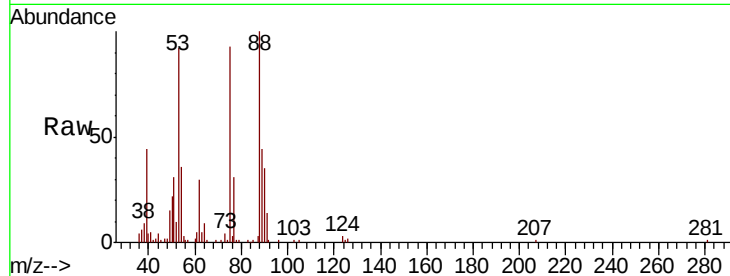
53 97.2 73.5 110.3

89 46.3 36.0 54.0

Manual Integrations
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8/9/2018 1:32:15 PM



#82

4-Chlorotoluene

Concen: 20.98 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050458.D

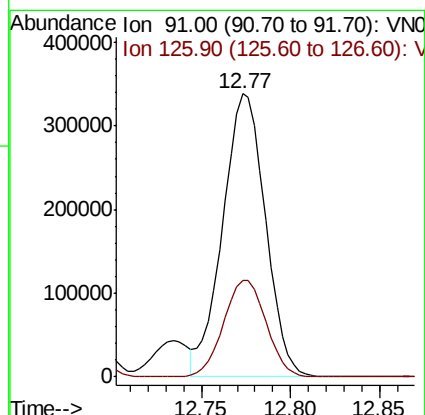
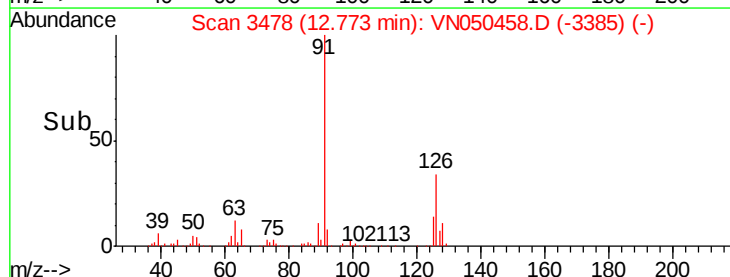
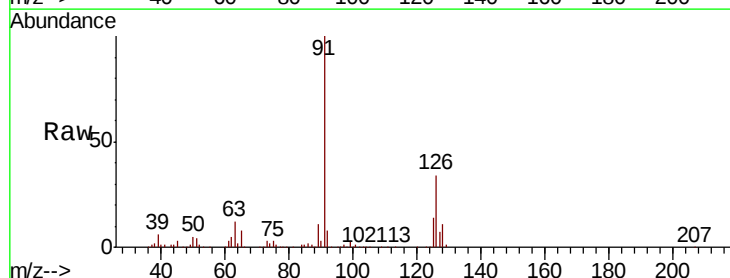
Acq: 8 Aug 2018 14:50

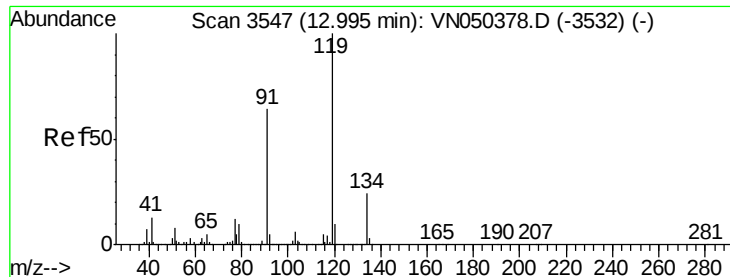
Tgt Ion: 91 Resp: 560741

Ion Ratio Lower Upper

91 100

126 34.2 17.0 51.0





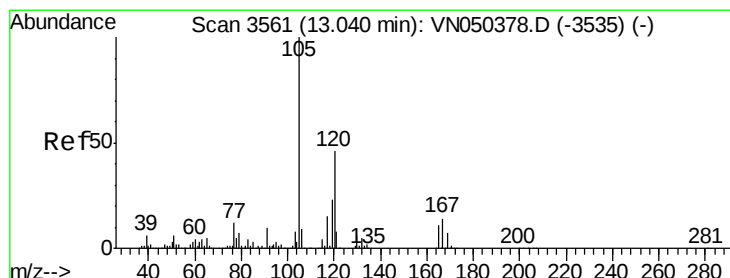
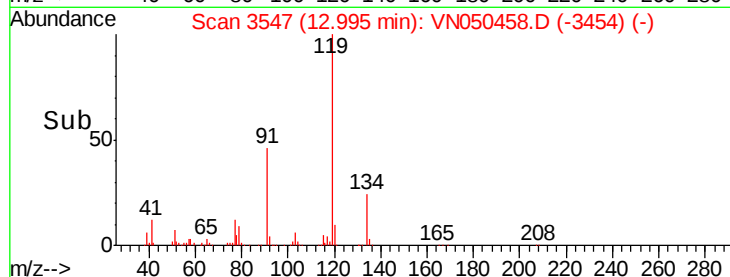
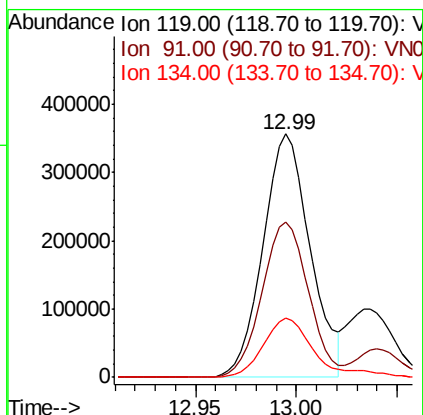
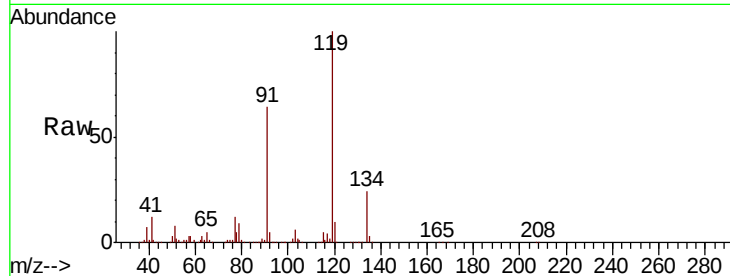
#83
tert-Butylbenzene
Concen: 21.39 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	32.1	96.3
134	26.3	13.2	39.5

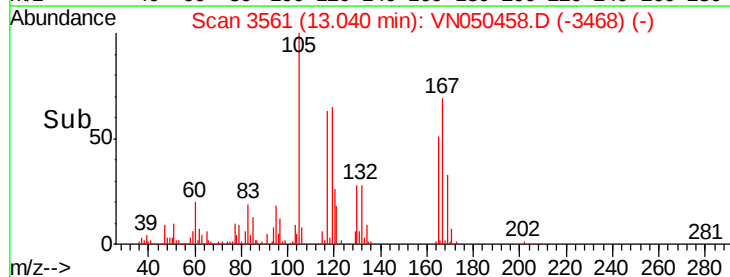
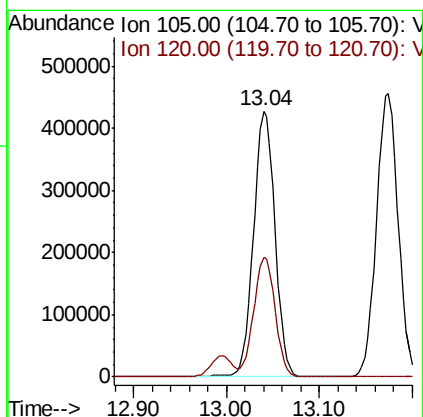
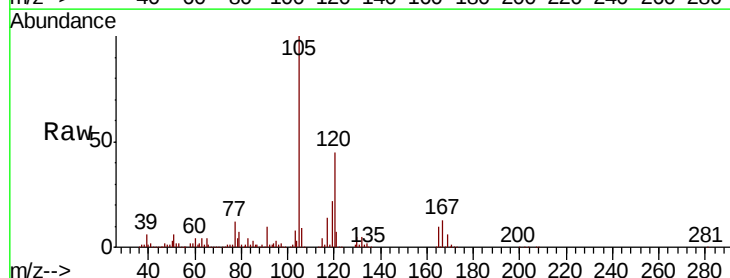
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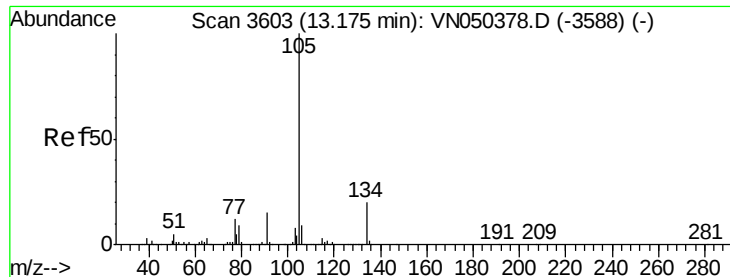
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.73 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

Instrument :

MSVOA_N

ClientSampleId :

VN0808MBSD01

Tot Ion:105 Resp: 736333

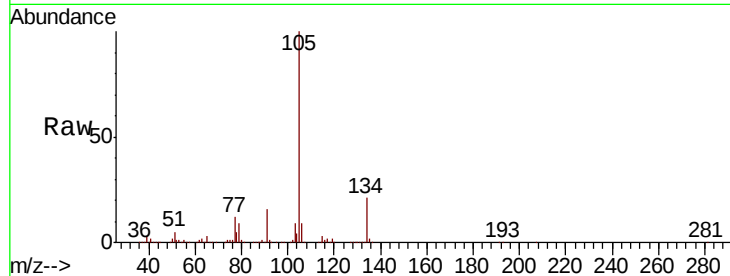
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

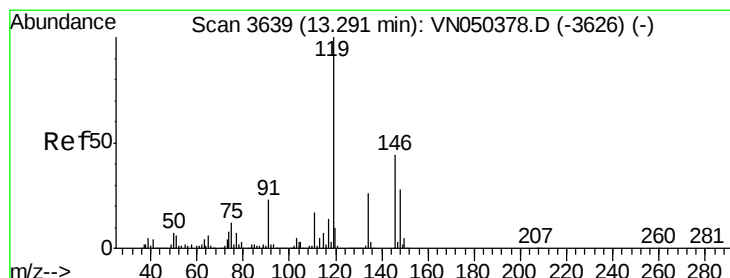
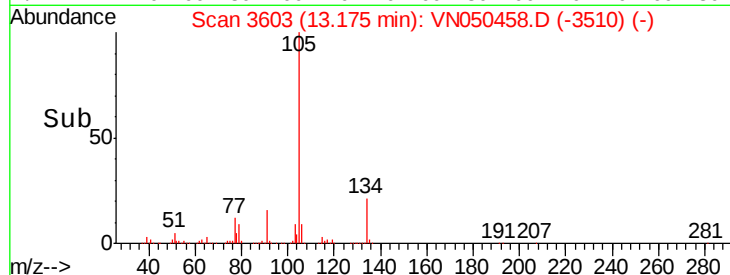
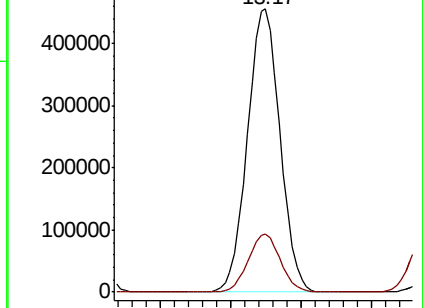
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.60 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050458.D

Acq: 8 Aug 2018 14:50

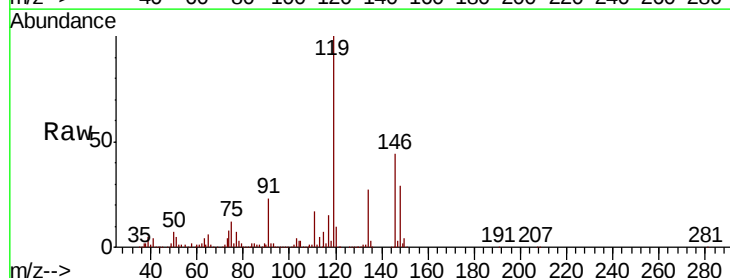
Tgt Ion:119 Resp: 639046

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

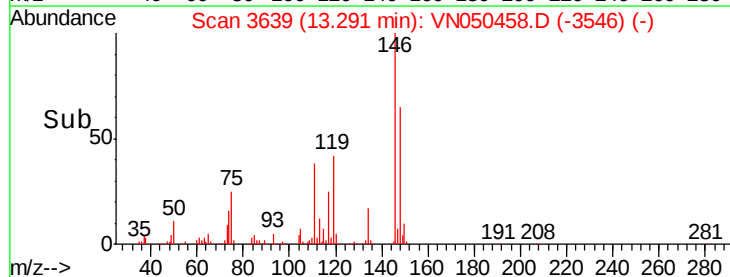
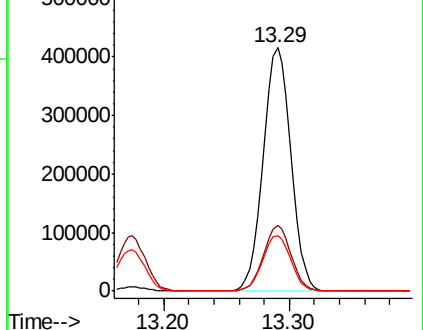
91 23.0 11.4 34.2

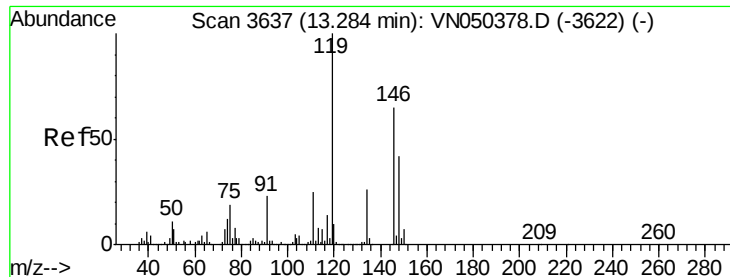


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





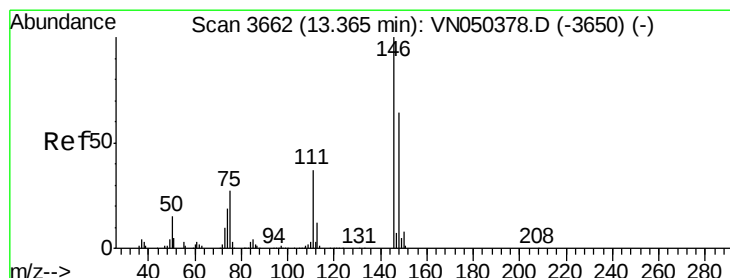
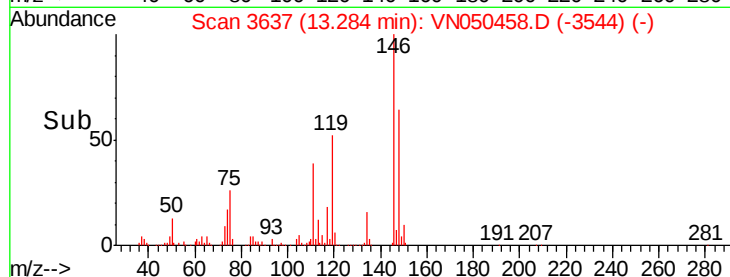
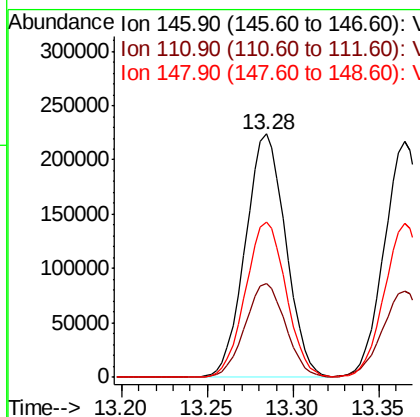
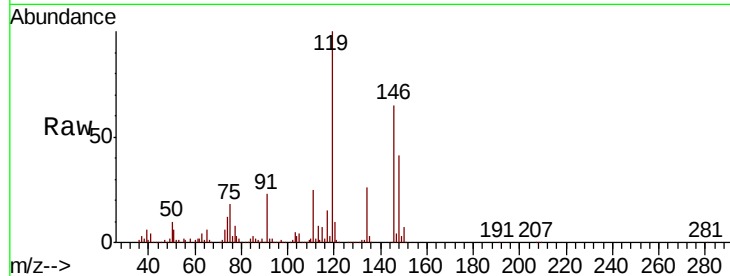
#87
 1,3-Dichlorobenzene
 Concen: 19.96 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	365137		
111	38.5	18.8	56.4	
148	64.0	31.9	95.9	

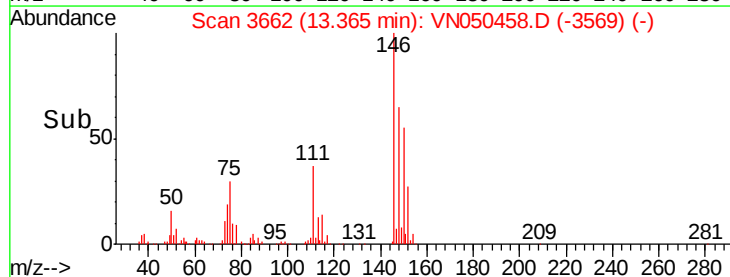
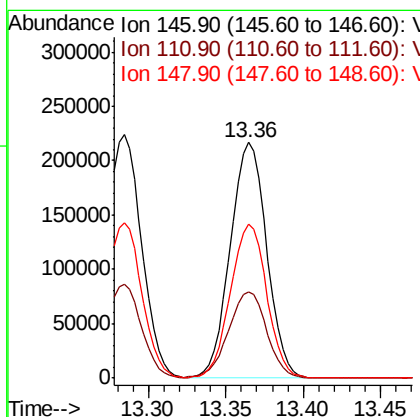
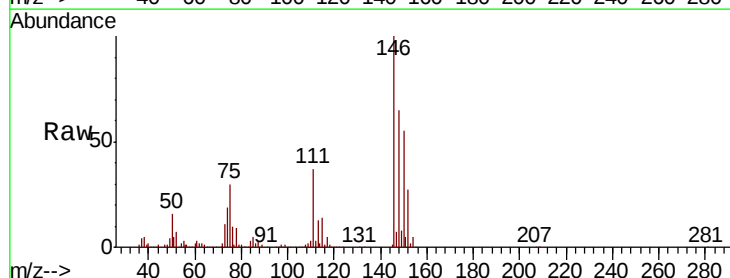
Manual Integrations
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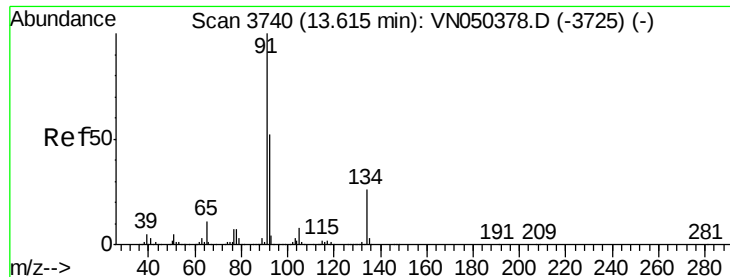
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 8/9/2018 1:32:15 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.39 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	354333		
111	38.2	18.3	54.9	
148	65.2	31.9	95.9	





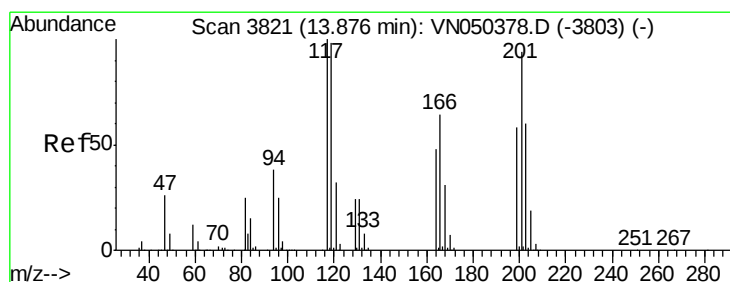
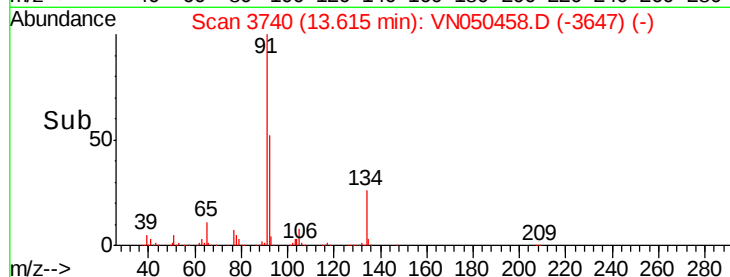
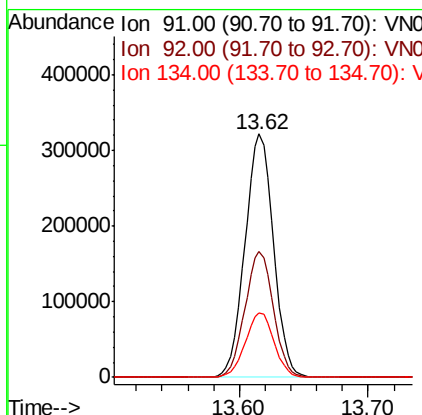
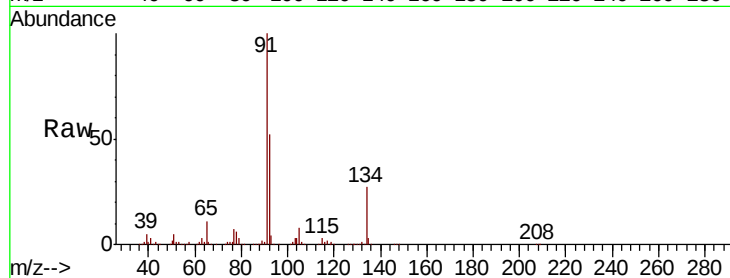
#89
n-Butylbenzene
Concen: 18.74 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.4
134	26.6	12.8	38.4

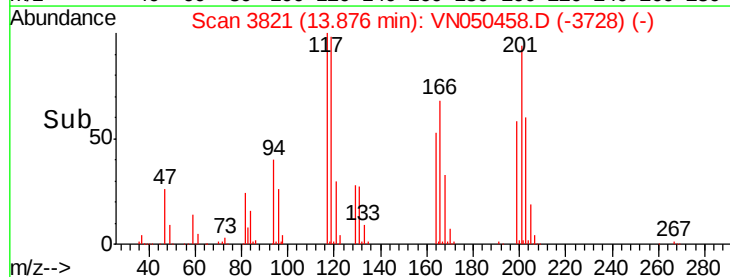
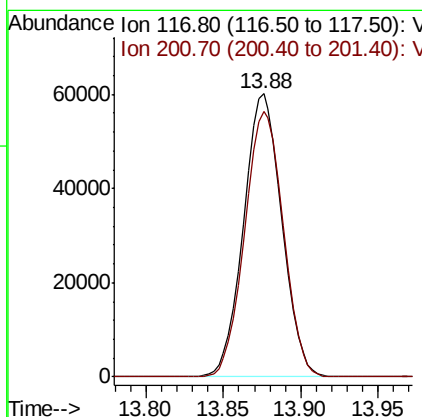
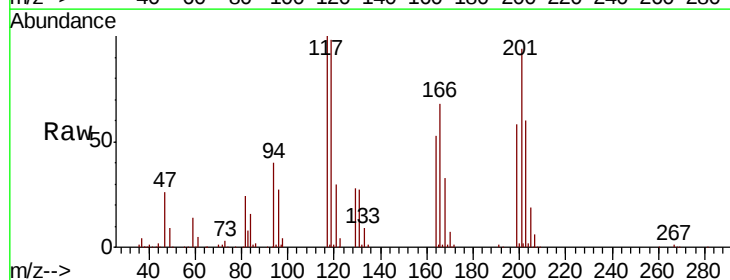
Manual Integrations
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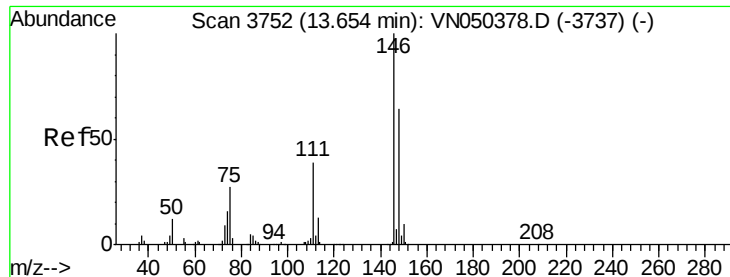
MMDadoda
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#90
Hexachloroethane
Concen: 18.79 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.4	45.6	136.8





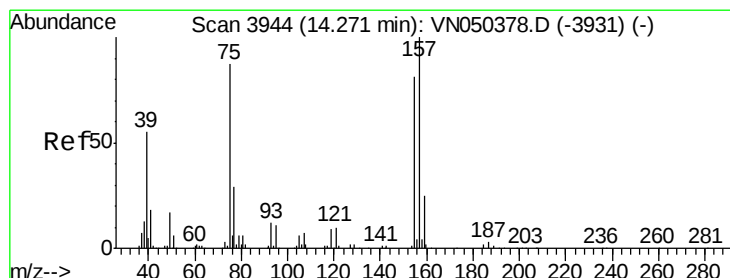
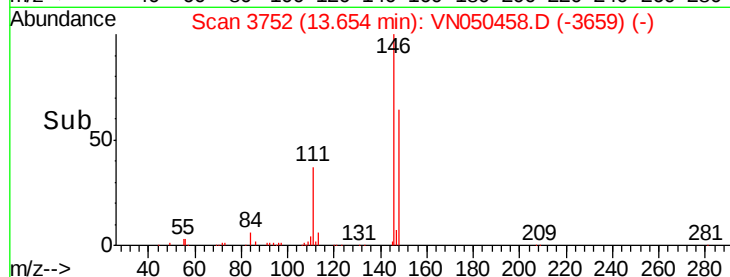
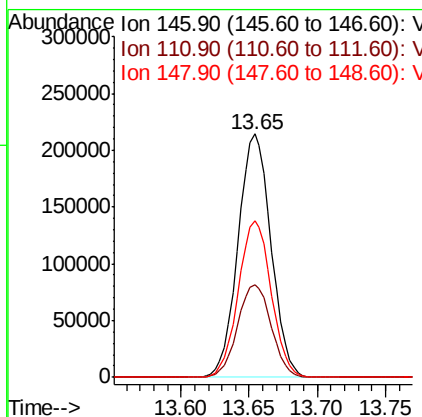
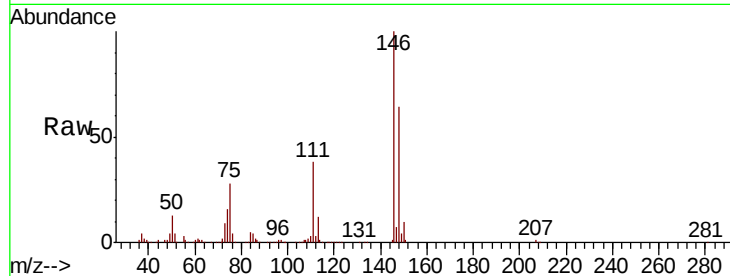
#91
 1,2-Dichlorobenzene
 Concen: 19.58 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

Tot Ion:	146	Resp:	359069
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.6	58.7
148	64.2	32.1	96.3

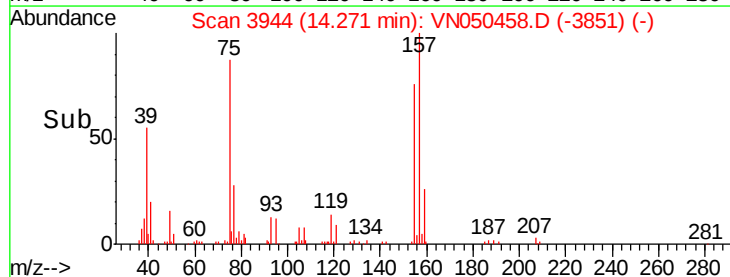
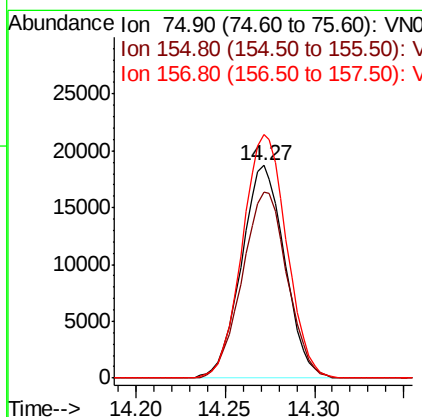
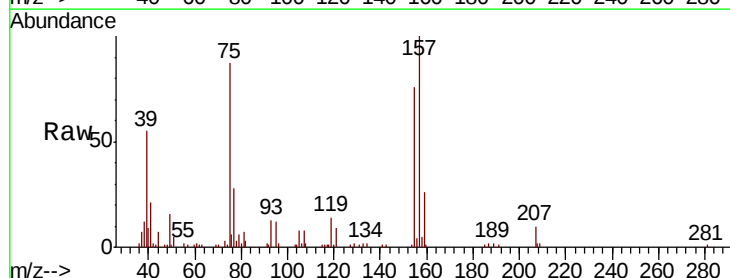
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.86 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion:	75	Resp:	31677
Ion Ratio	Lower	Upper	
75	100		
155	90.5	44.8	134.4
157	116.9	57.2	171.6





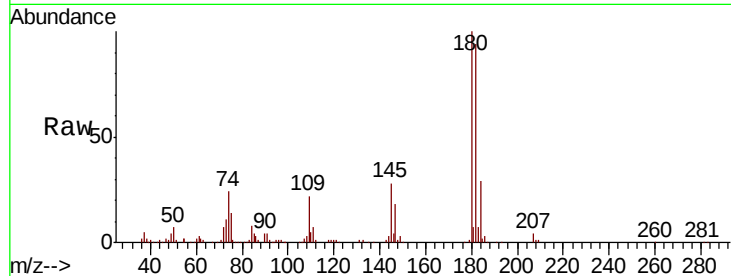
#93
 1,2,4-Trichlorobenzene
 Concen: 18.16 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0808MBSD01

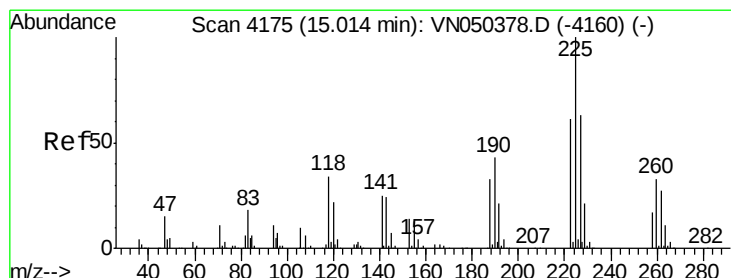
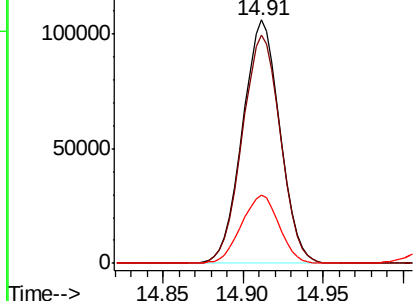
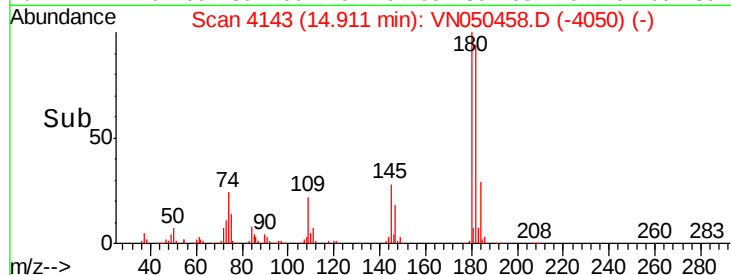
Tot Ion	Ratio	Resp	Lower	Upper
180	100	169655		
182	95.7	46.7	140.1	
145	28.2	13.8	41.4	

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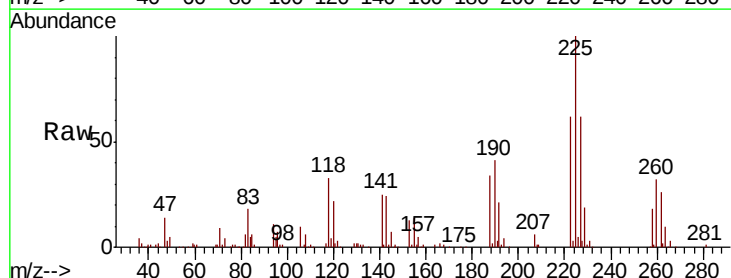


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

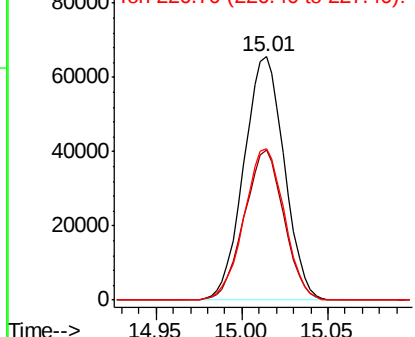
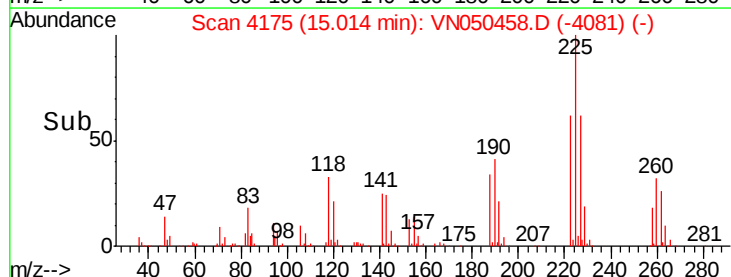


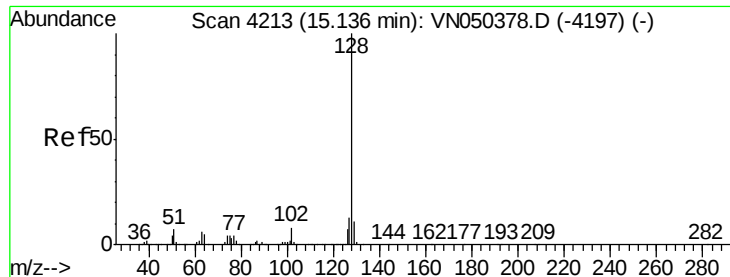
#94
 Hexachlorobutadiene
 Concen: 19.99 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050458.D
 Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107040		
223	60.3	31.4	94.2	
227	61.8	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





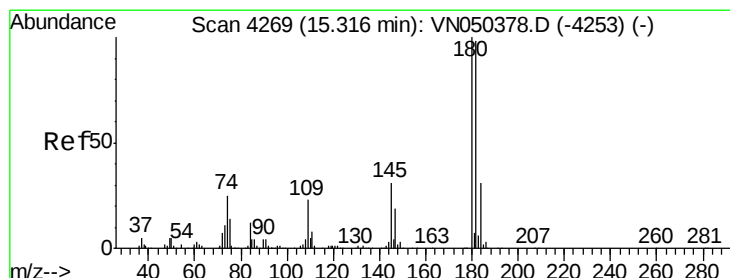
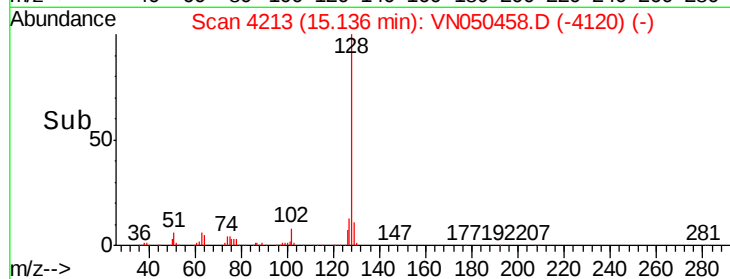
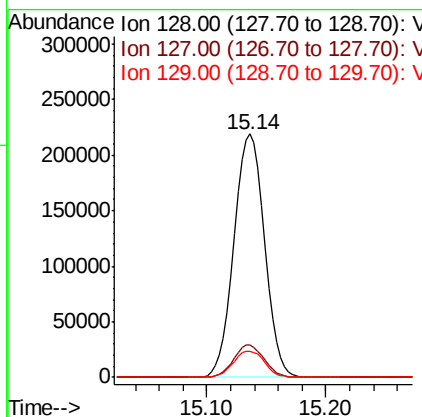
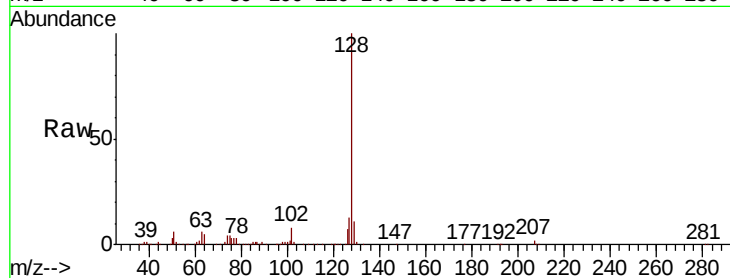
#95
Naphthalene
Concen: 18.26 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Instrument :
MSVOA_N
ClientSampleId :
VN0808MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 17.60 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050458.D
Acq: 8 Aug 2018 14:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	48.1	144.4
145	30.9	15.3	45.9

