

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080218\
 Data File : VN050261.D
 Acq On : 2 Aug 2018 14:04
 Operator : MD\SY
 Sample : VN0802MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2018 9:36:15 AM

Quant Time: Aug 02 15:39:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	609917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	922122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	841615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421830	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	374782	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
50) Toluene-d8	10.09	98	1379870	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.40	95	458429	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	179487	20.481	ug/l	99
3) Chloromethane	2.06	50	174320	18.299	ug/l	100
4) Vinyl Chloride	2.18	62	193443	19.283	ug/l	98
5) Bromomethane	2.56	94	71550	12.083	ug/l	95
6) Chloroethane	2.70	64	114205	18.956	ug/l	100
7) Trichlorofluoromethane	3.01	101	260838	20.071	ug/l	98
8) Diethyl Ether	3.41	74	97782	22.570	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	163855	20.968	ug/l	98
10) Methyl Iodide	3.95	142	79438	7.920	ug/l	99
11) Tert butyl alcohol	4.81	59	88932	142.034	ug/l	99
12) 1,1-Dichloroethene	3.73	96	142331	20.247	ug/l	96
13) Acrolein	3.61	56	74327	147.748	ug/l	100
14) Allyl chloride	4.32	41	240722	22.084	ug/l	97
15) Acrylonitrile	5.00	53	334517	122.456	ug/l	100
16) Acetone	3.83	43	268493	131.896	ug/l	99
17) Carbon Disulfide	4.05	76	377681	17.538	ug/l	100
18) Methyl Acetate	4.33	43	236424	29.662	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	449129	23.975	ug/l	100
20) Methylene Chloride	4.55	84	173339	22.278	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	152726	20.503	ug/l	99
22) Diisopropyl ether	5.96	45	510353	23.613	ug/l	99
23) Vinyl Acetate	5.90	43	1716131	112.359	ug/l	99
24) 1,1-Dichloroethane	5.85	63	305678	21.629	ug/l	99
25) 2-Butanone	6.84	43	410729	126.540	ug/l	100
26) 2,2-Dichloropropane	6.83	77	245536	22.837	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	176132	21.966	ug/l	98
28) Bromochloromethane	7.20	49	132782	20.598	ug/l	98
29) Tetrahydrofuran	7.22	42	267373	127.476	ug/l	98
30) Chloroform	7.37	83	311100	21.571	ug/l	97
31) Cyclohexane	7.66	56	241757	20.586	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	259172	21.008	ug/l	99
36) 1,1-Dichloropropene	7.80	75	219912	21.168	ug/l	99
37) Ethyl Acetate	6.94	43	174150	24.043	ug/l	99
38) Carbon Tetrachloride	7.78	117	226988	20.591	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216677	20.274	ug/l	96
40) Benzene	8.04	78	689622	21.814	ug/l	100
41) Methacrylonitrile	7.18	41	92907	26.022	ug/l #	77
42) 1,2-Dichloroethane	8.13	62	223574	21.199	ug/l	100
43) Isopropyl Acetate	8.17	43	328472	23.460	ug/l	98
44) Trichloroethene	8.84	130	177307	20.873	ug/l	100
45) 1,2-Dichloropropane	9.12	63	184071	21.983	ug/l	95
46) Dibromomethane	9.21	93	114092	21.944	ug/l	99
47) Bromodichloromethane	9.41	83	235628	21.473	ug/l	99
48) Methyl methacrylate	9.20	41	149570	23.977	ug/l	99
49) 1,4-Dioxane	9.21	88	46542	548.238	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	908192	127.546	ug/l	100
52) Toluene	10.16	92	417999	22.400	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232938	22.496	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	267350	22.591	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	168842	22.811	ug/l	96
56) Ethyl methacrylate	10.43	69	212481	22.361	ug/l	99
57) 1,3-Dichloropropane	10.71	76	274679	22.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	416544	94.414	ug/l	100
59) 2-Hexanone	10.75	43	614494	120.188	ug/l	100
60) Dibromochloromethane	10.90	129	185126	22.590	ug/l	99
61) 1,2-Dibromoethane	11.01	107	165153	22.488	ug/l	99
64) Tetrachloroethene	10.63	164	164970	20.388	ug/l	98
65) Chlorobenzene	11.44	112	458872	21.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	176985	21.667	ug/l	100
67) Ethyl Benzene	11.51	91	761919	22.311	ug/l	100
68) m/p-Xylenes	11.62	106	590793	45.738	ug/l	100
69) o-Xylene	11.95	106	281422	22.855	ug/l	99
70) Styrene	11.97	104	455162	21.323	ug/l	100
71) Bromoform	12.13	173	131926	22.203	ug/l #	99
73) Isopropylbenzene	12.25	105	757190	22.907	ug/l	100
74) N-amyl acetate	12.07	43	236656	23.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	224585	24.537	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	182025m	22.980	ug/l	
77) Bromobenzene	12.53	156	202465	22.100	ug/l	99
78) n-propylbenzene	12.59	91	855789	23.163	ug/l	100
79) 2-Chlorotoluene	12.68	91	522798	22.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	621765	23.913	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58186	23.300	ug/l	96
82) 4-Chlorotoluene	12.77	91	521989	23.018	ug/l	99
83) tert-Butylbenzene	12.99	119	532046	23.448	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	632004	24.115	ug/l	100
85) sec-Butylbenzene	13.17	105	713674	23.540	ug/l	99
86) p-Isopropyltoluene	13.29	119	607791	23.791	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	336147	21.644	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	334243	22.081	ug/l	98
89) n-Butylbenzene	13.62	91	469090	22.330	ug/l	100
90) Hexachloroethane	13.88	117	117300	20.679	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	342381	22.053	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	36006	24.025	ug/l	99

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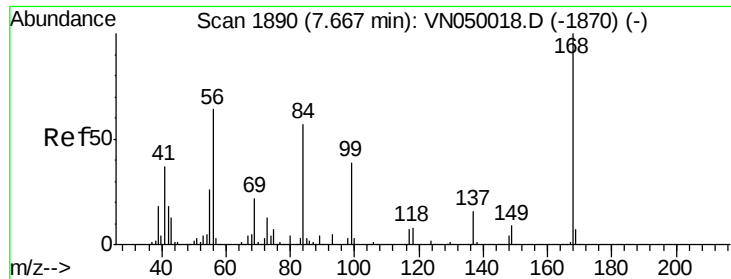
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162565	21.612	ug/l	98
94) Hexachlorobutadiene	15.01	225	104308	21.947	ug/l	98
95) Naphthalene	15.14	128	422930	24.224	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	174631	23.021	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion:168 Resp: 609917

Ion Ratio Lower Upper

168 100

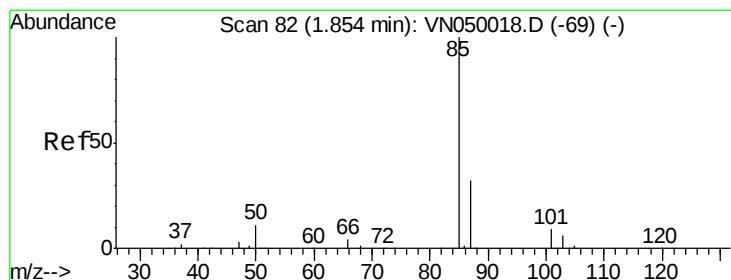
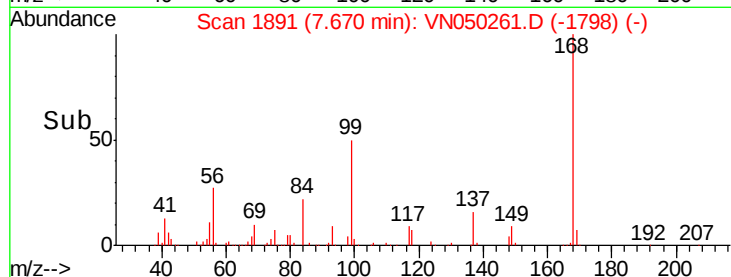
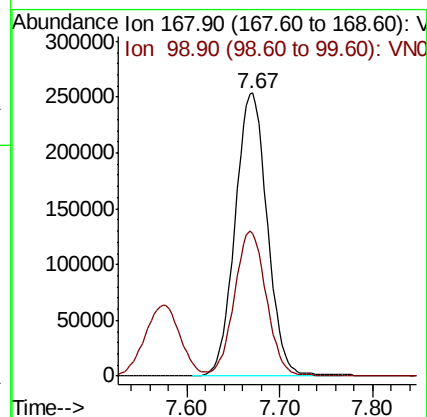
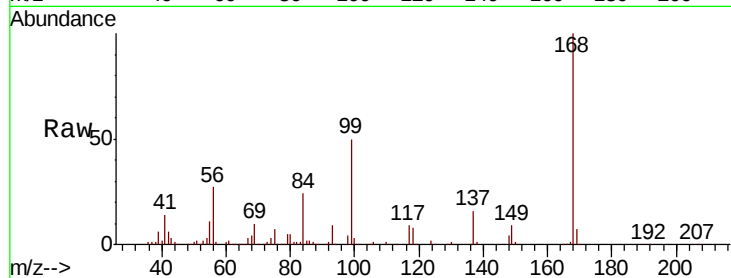
99 50.1 40.0 60.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.481 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050261.D

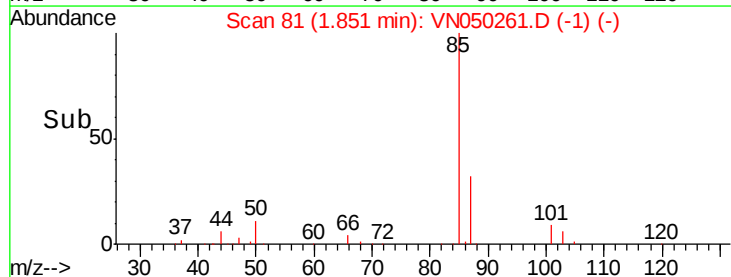
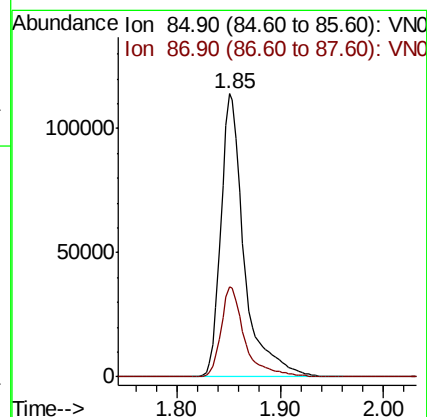
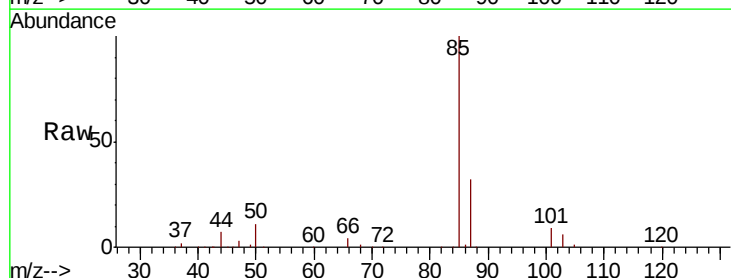
Acq: 2 Aug 2018 14:04

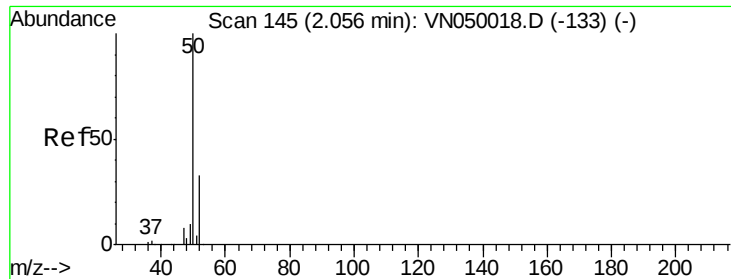
Tgt Ion: 85 Resp: 179487

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3





#3

Chloromethane

Concen: 18.299 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 50 Resp: 174320

Ion Ratio Lower Upper

50 100

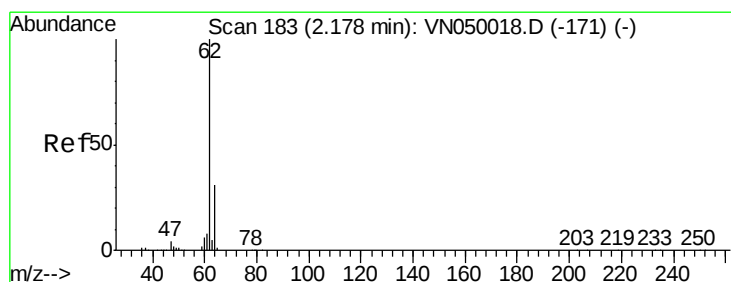
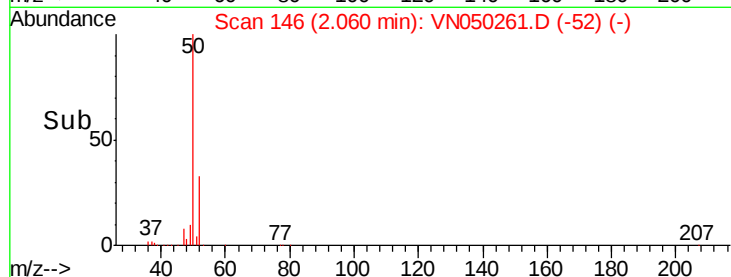
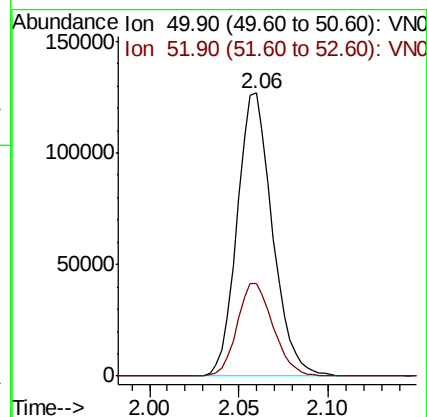
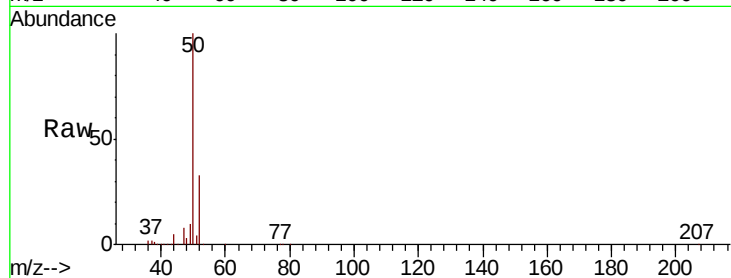
52 32.6 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.283 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050261.D

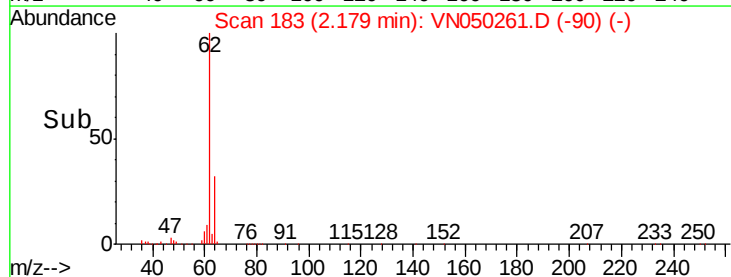
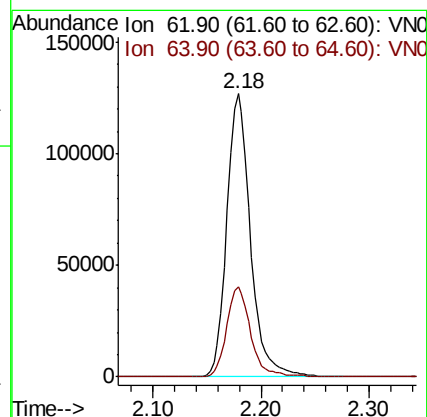
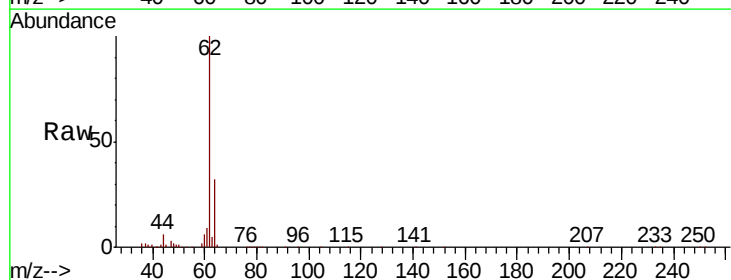
Acq: 2 Aug 2018 14:04

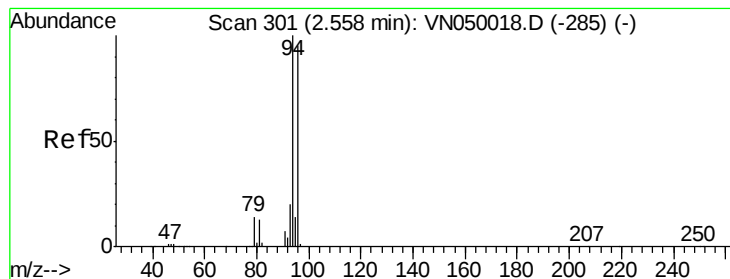
Tgt Ion: 62 Resp: 193443

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 12.083 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 94 Resp: 71550

Ion Ratio Lower Upper

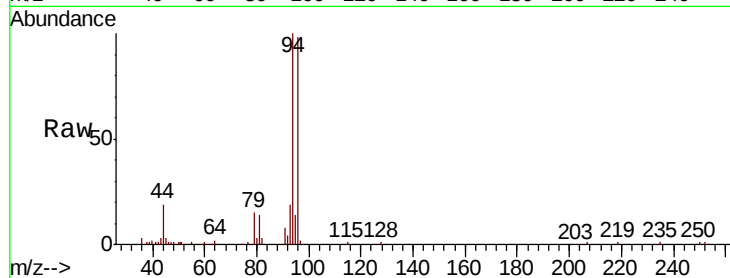
94 100

96 98.3 74.6 112.0

Manual Integrations
APPROVED

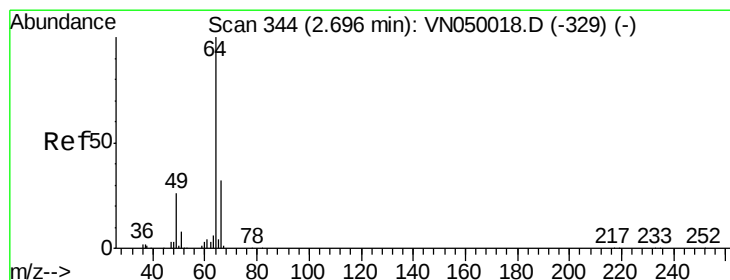
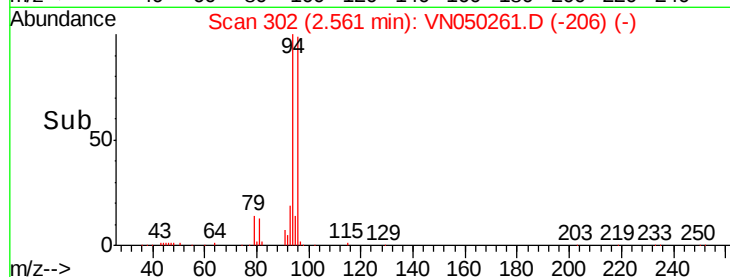
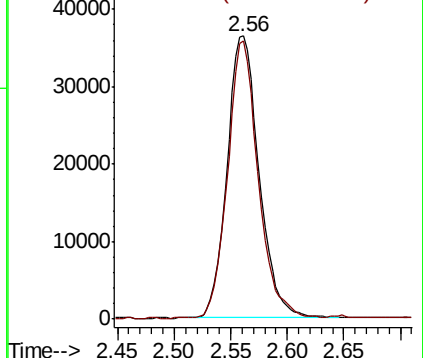
MMDadoda

8/3/2018 9:36:15 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.956 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050261.D

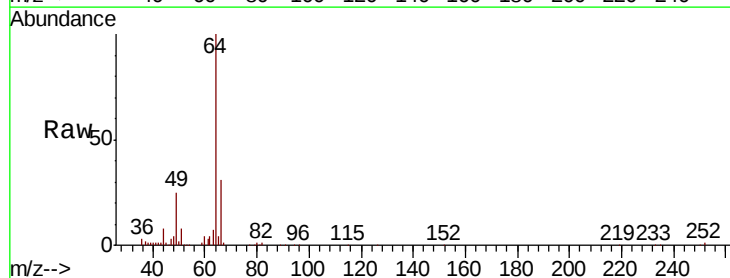
Acq: 2 Aug 2018 14:04

Tgt Ion: 64 Resp: 114205

Ion Ratio Lower Upper

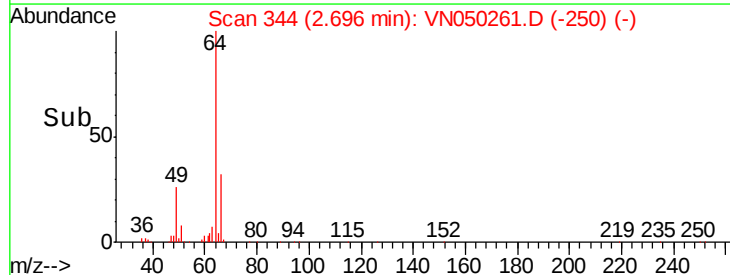
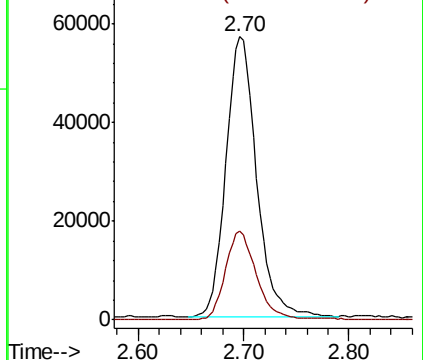
64 100

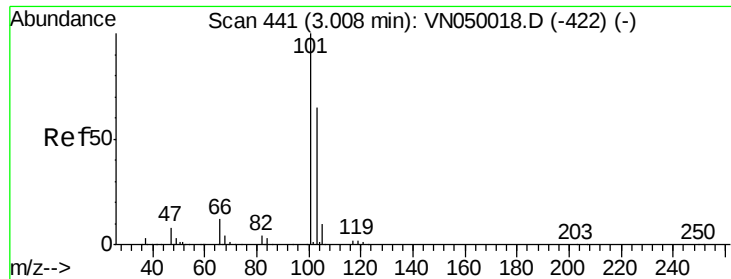
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

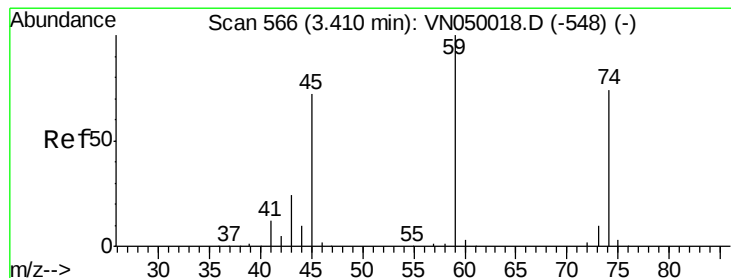
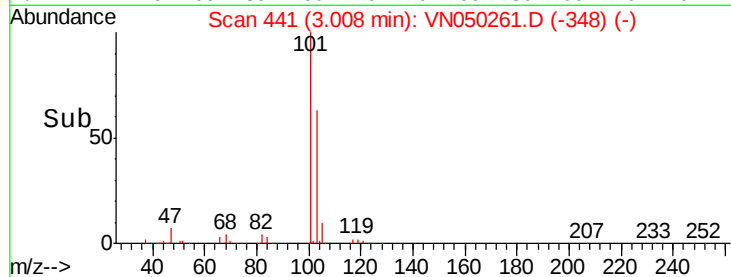
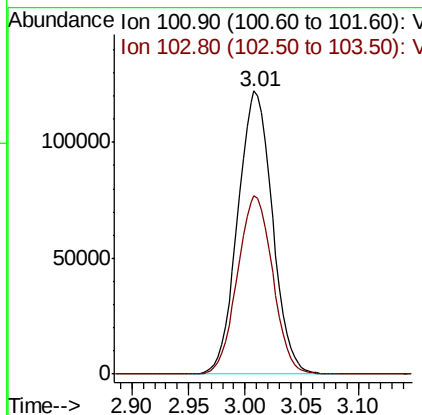
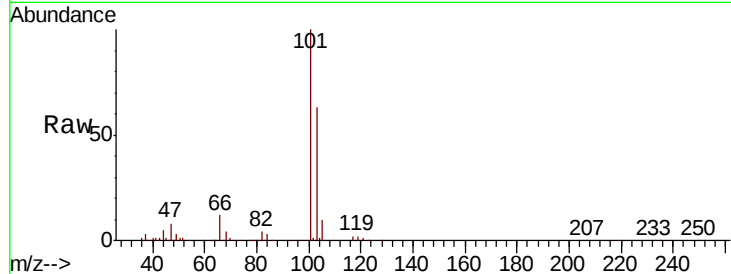
Trichlorofluoromethane
 Concen: 20.071 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.7	77.5

Manual Integrations
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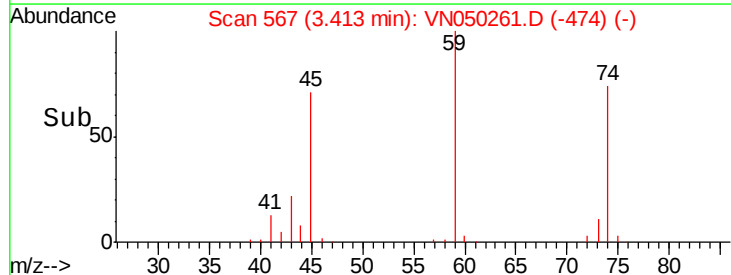
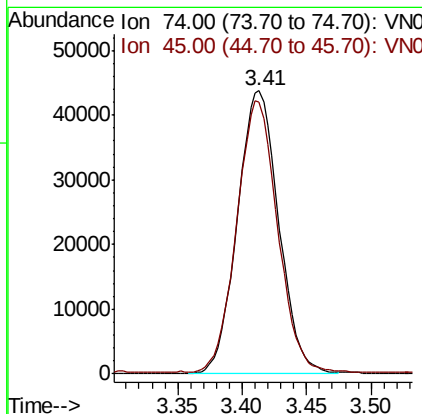
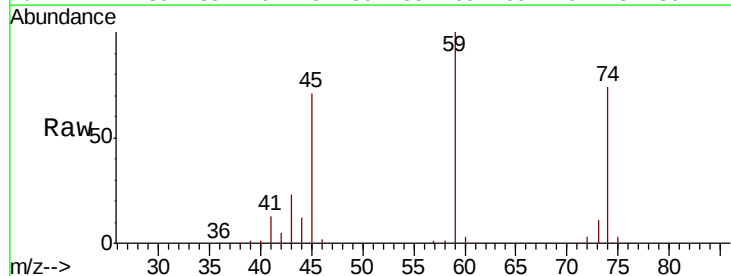
MMDadoda
 8/3/2018 9:36:15 AM

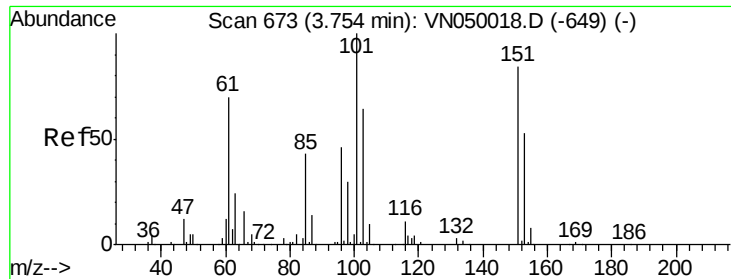


#8

Diethyl Ether
 Concen: 22.570 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.968 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

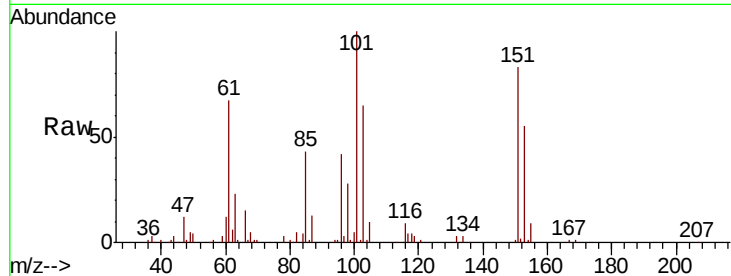
ClientSampleId :

VN0802MBS01

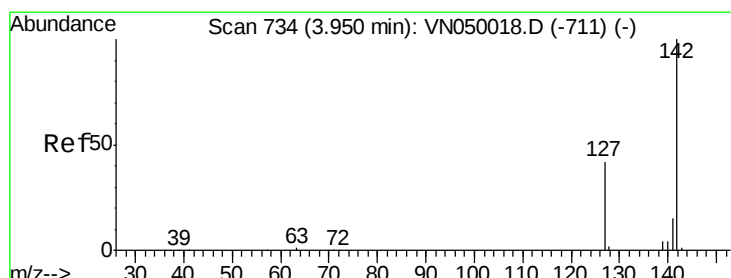
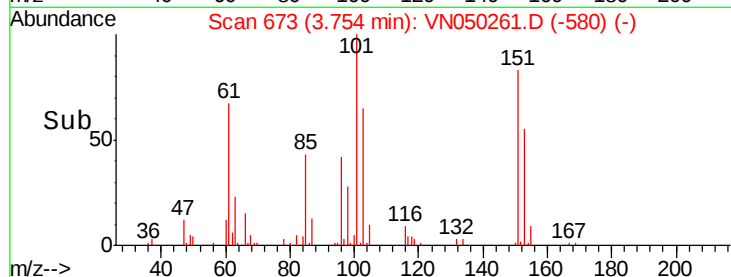
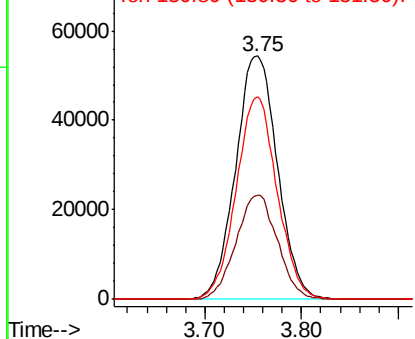
Tot Ion:	101	Resp:	163855
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	81.0	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 7.920 ug/l

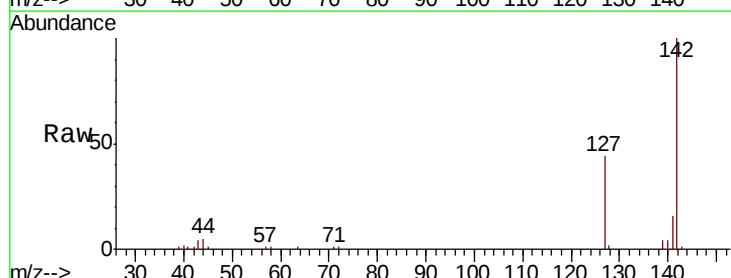
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

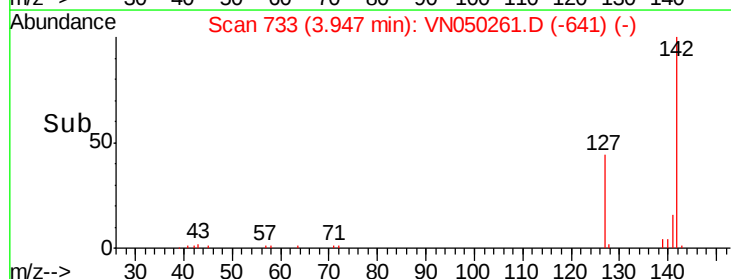
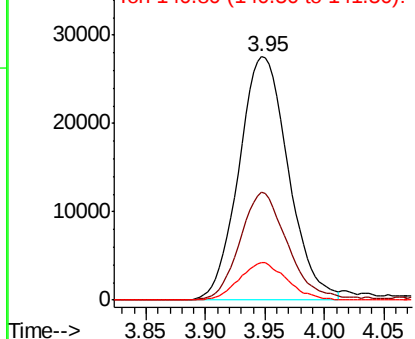
Lab File: VN050261.D

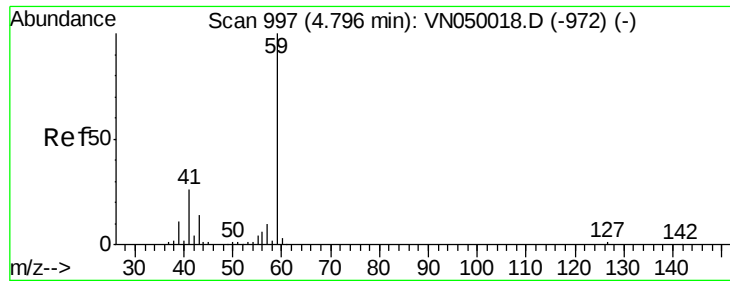
Acq: 2 Aug 2018 14:04

Tgt Ion:	142	Resp:	79438
Ion Ratio	Lower	Upper	
142	100		
127	42.8	33.4	50.2
141	14.9	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





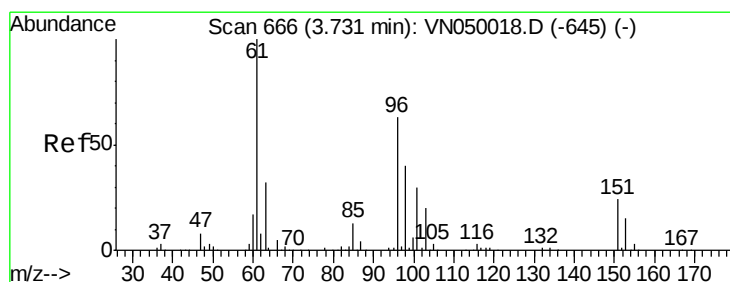
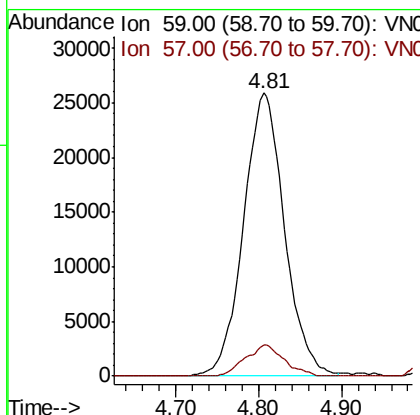
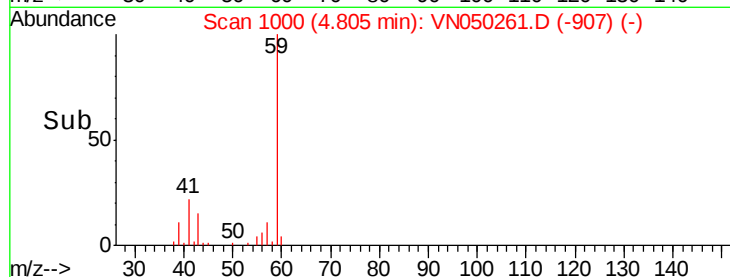
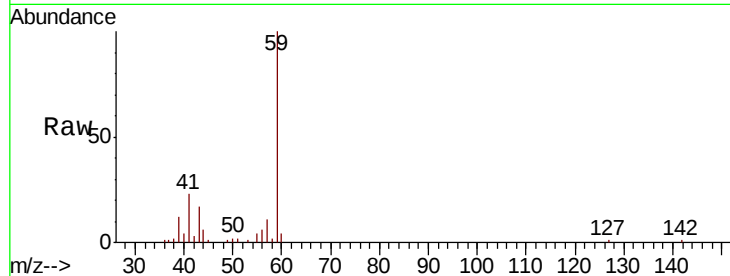
#11
Tert butyl alcohol
Concen: 142.034 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion: 59 Resp: 88932
Ion Ratio Lower Upper
59 100
57 10.4 8.5 12.7

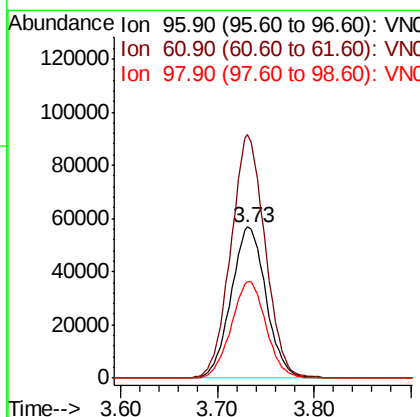
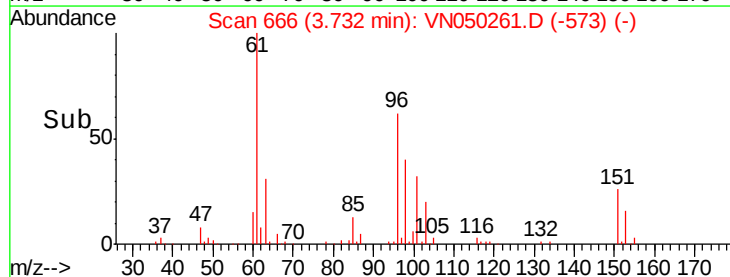
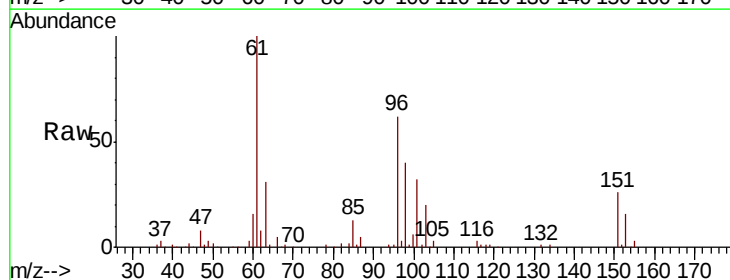
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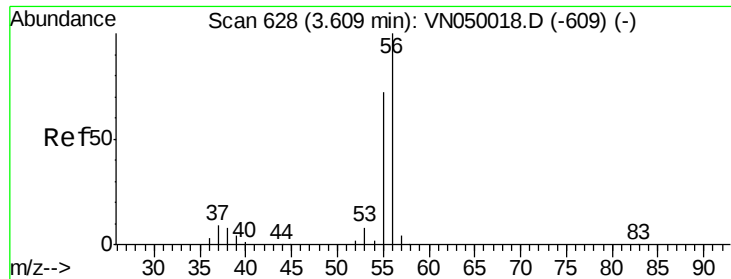
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.247 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion: 96 Resp: 142331
Ion Ratio Lower Upper
96 100
61 160.9 124.4 186.6
98 64.0 48.3 72.5





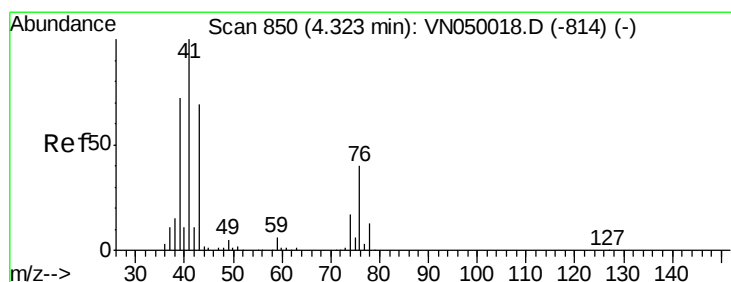
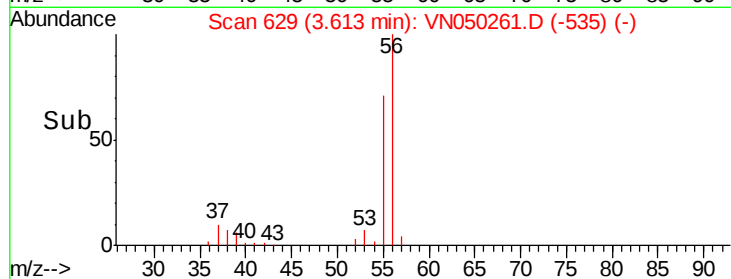
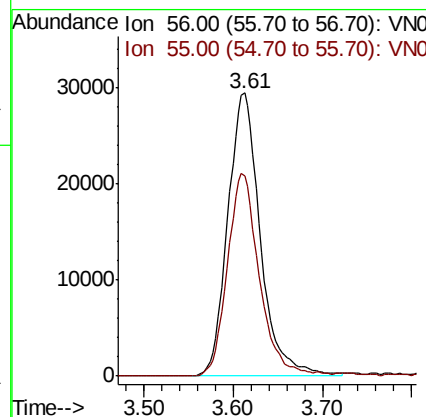
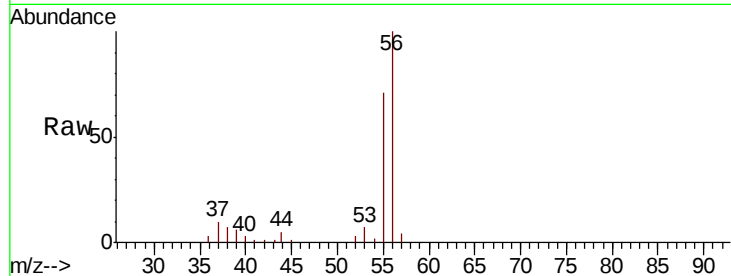
#13
Acrolein
Concen: 147.748 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.8	83.6

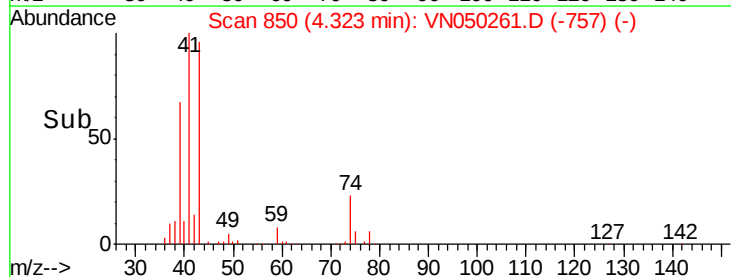
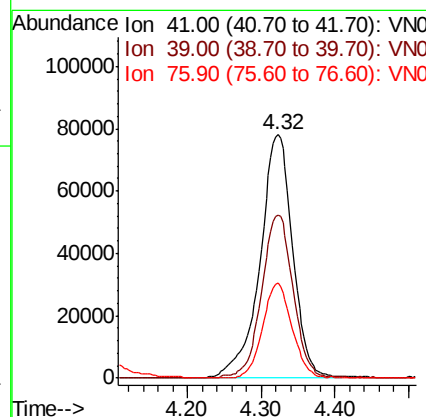
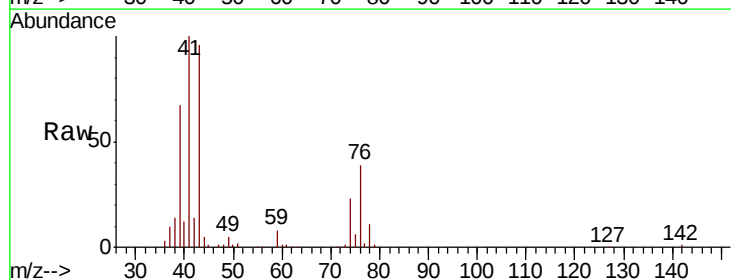
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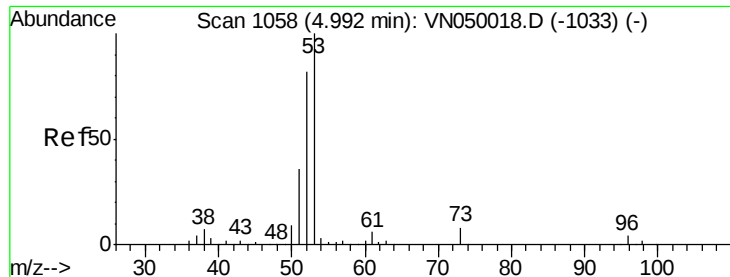
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#14
Allyl chloride
Concen: 22.084 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	54.2	81.4
76	35.0	29.0	43.6





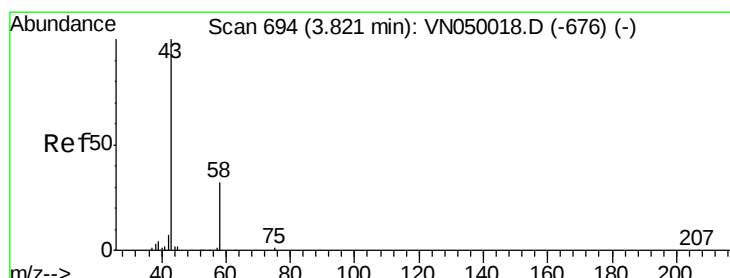
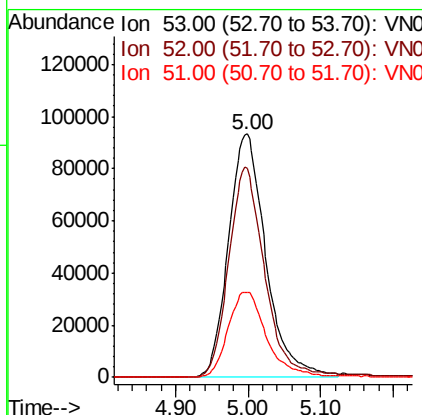
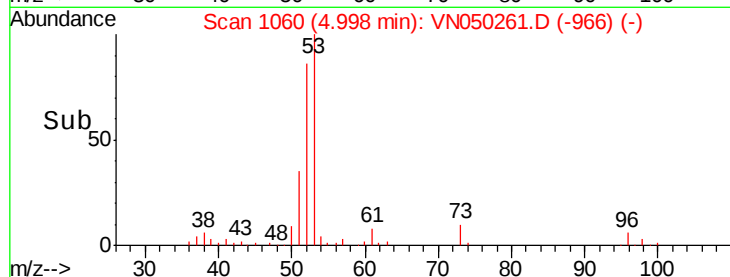
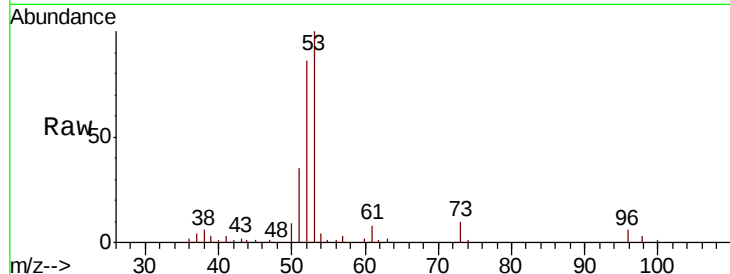
#15
 Acrylonitrile
 Concen: 122.456 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.2
51	36.1	29.3	43.9

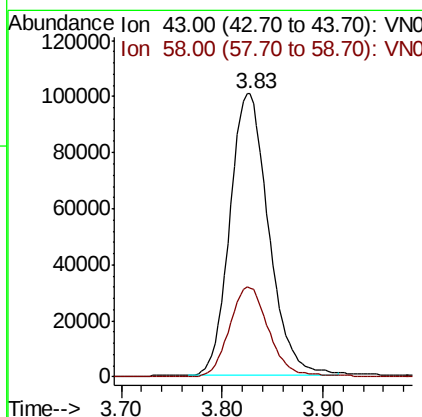
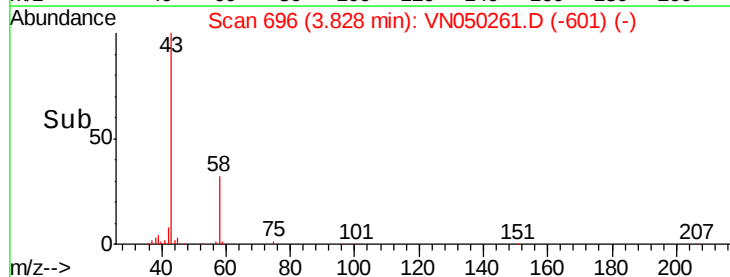
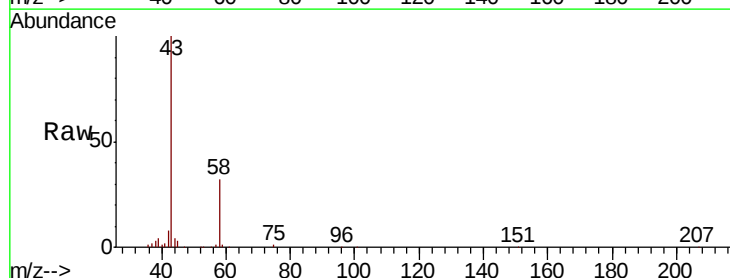
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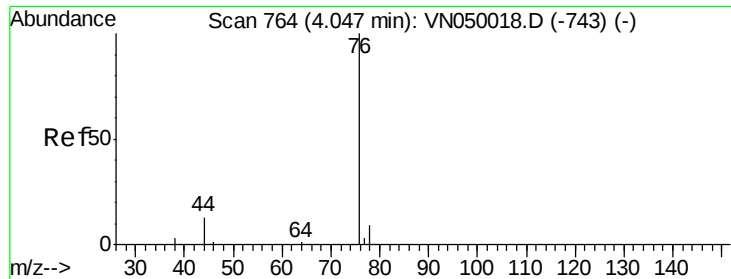
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#16
 Acetone
 Concen: 131.896 ug/l
 RT: 3.83 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.7	25.8	38.8





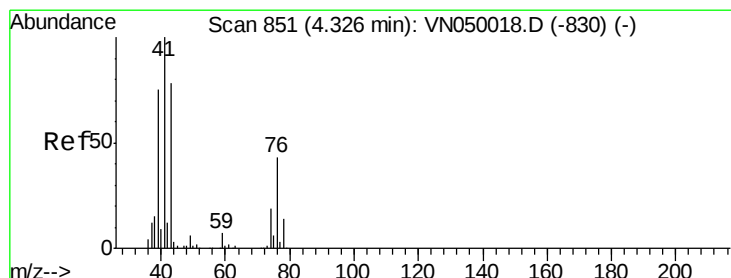
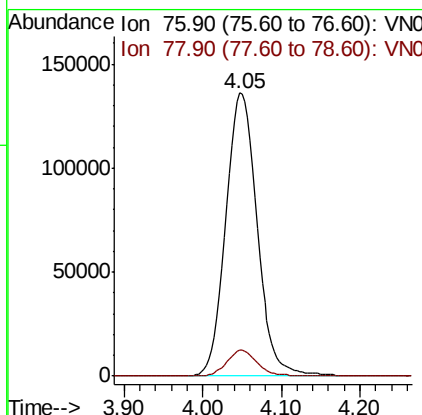
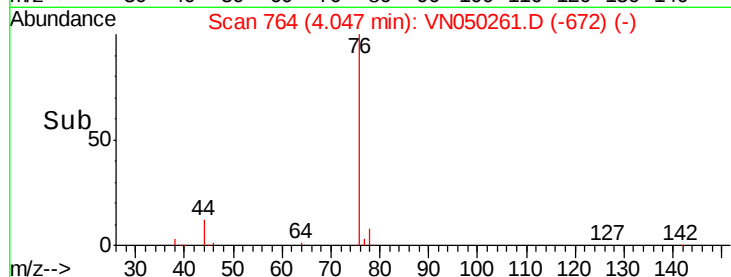
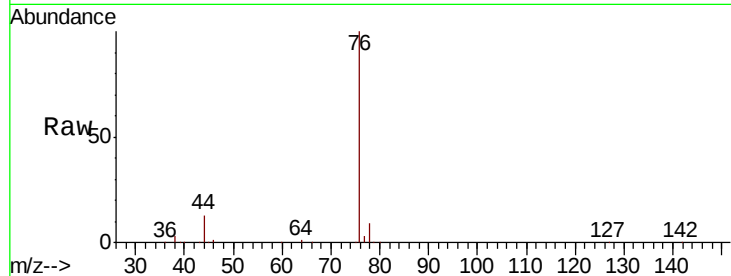
#17
Carbon Disulfide
Concen: 17.538 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

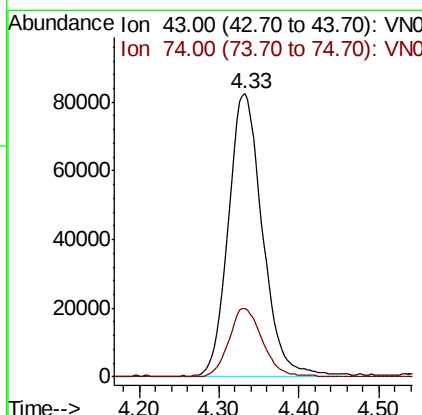
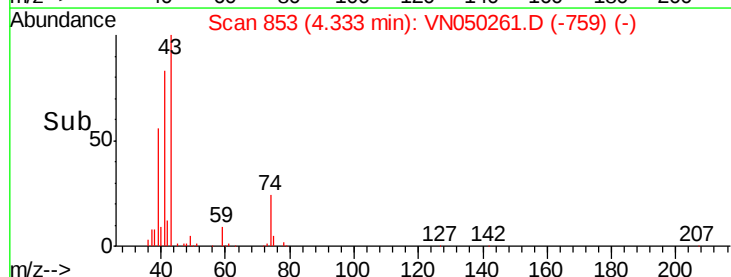
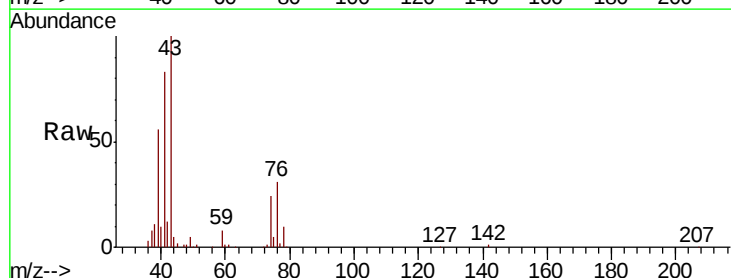
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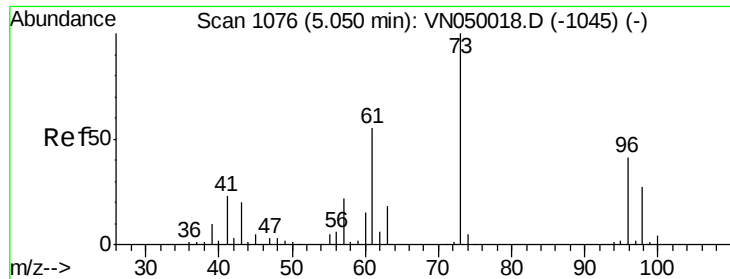
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#18
Methyl Acetate
Concen: 29.662 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





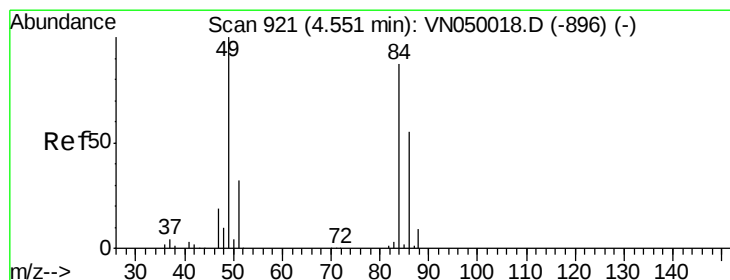
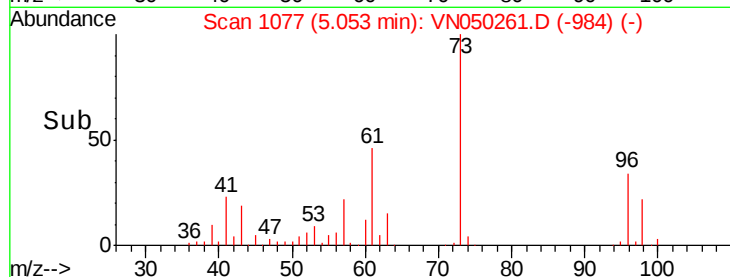
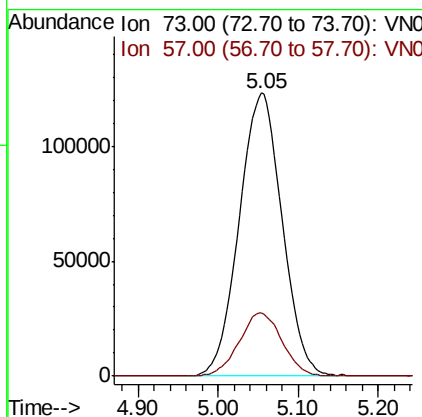
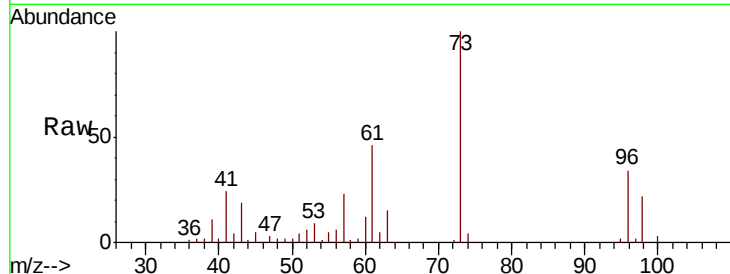
#19
Methyl tert-butyl Ether
Concen: 23.975 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion: 73 Resp: 449129
Ion Ratio Lower Upper
73 100
57 22.6 18.0 27.0

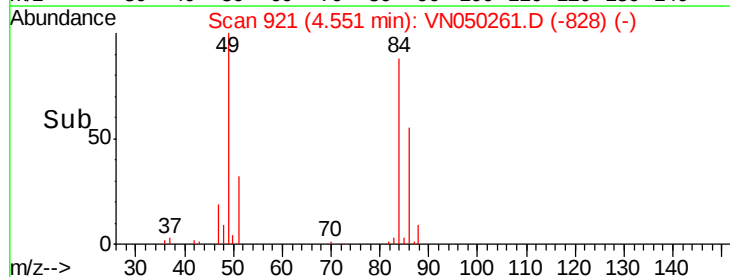
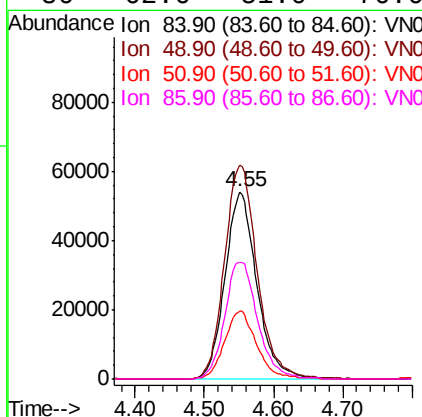
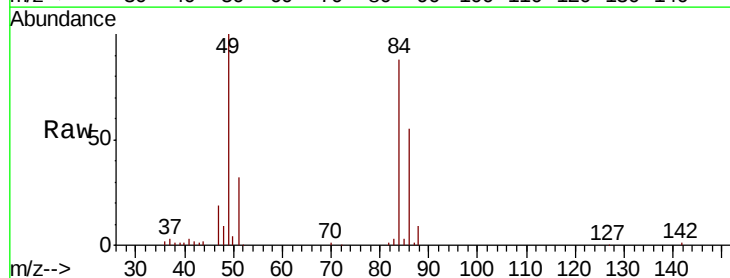
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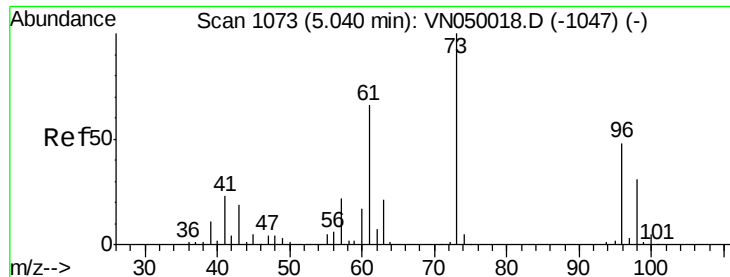
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#20
Methylene Chloride
Concen: 22.278 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion: 84 Resp: 173339
Ion Ratio Lower Upper
84 100
49 114.2 94.8 142.2
51 36.5 28.3 42.5
86 62.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.503 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

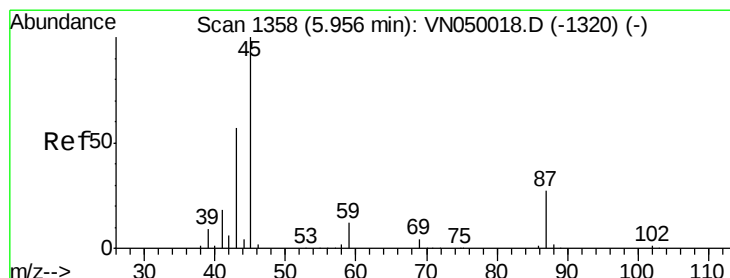
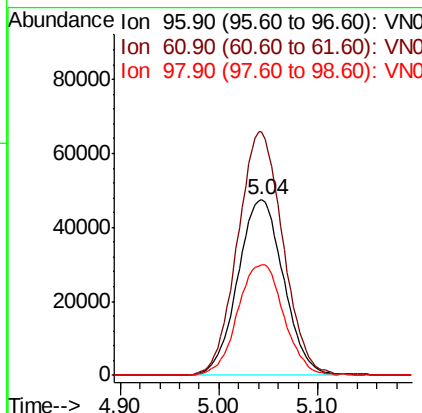
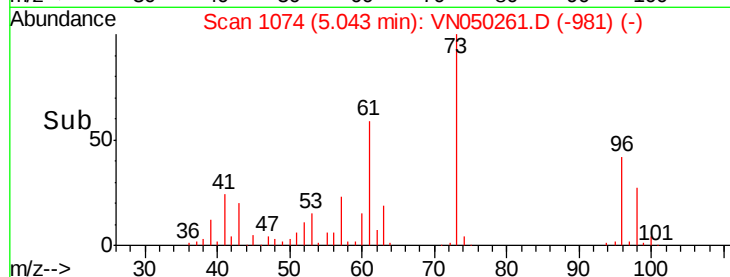
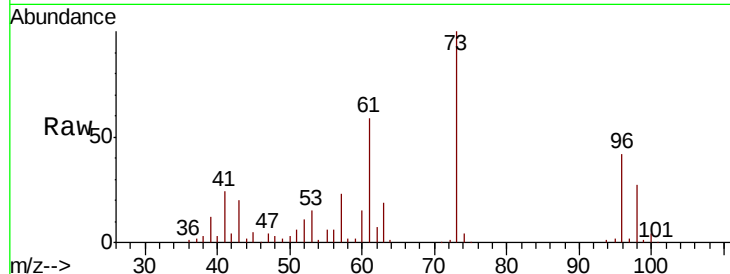
ClientSampled :

VN0802MBS01

Tot Ion:	96	Resp:	152726
Ion	Ratio	Lower	Upper
96	100		
61	138.8	110.7	166.1
98	62.8	51.6	77.4

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#22

Diisopropyl ether

Concen: 23.613 ug/l

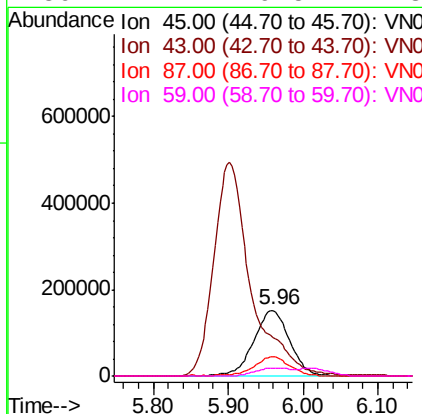
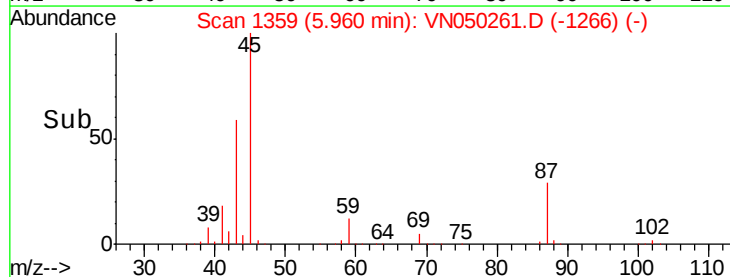
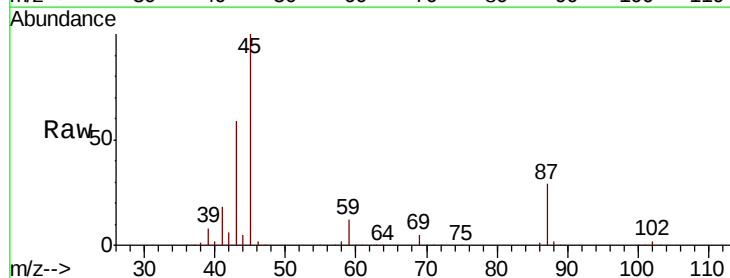
RT: 5.96 min Scan# 1359

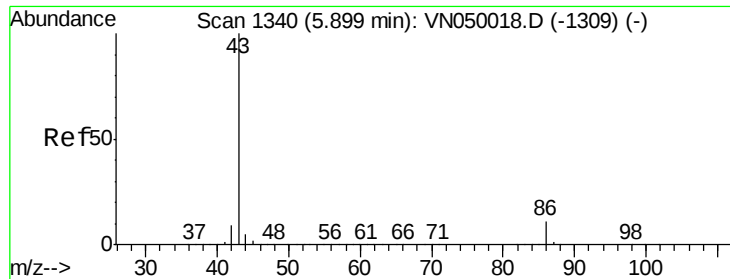
Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Tgt Ion:	45	Resp:	510353
Ion	Ratio	Lower	Upper
45	100		
43	56.4	45.7	68.5
87	28.5	22.7	34.1
59	12.1	9.5	14.3





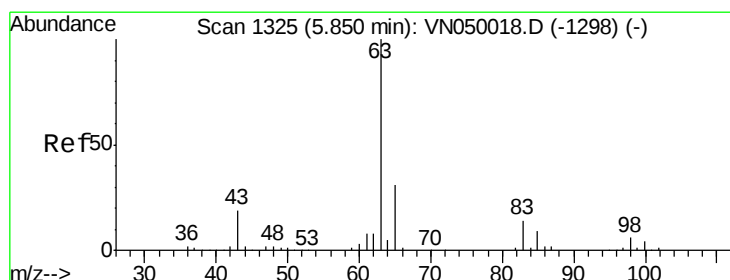
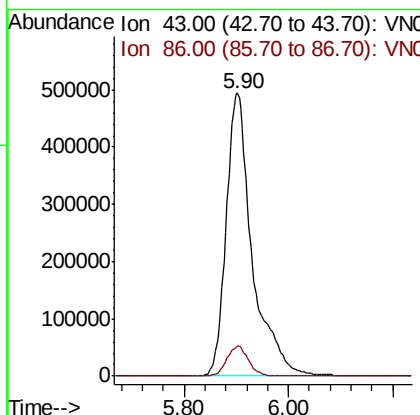
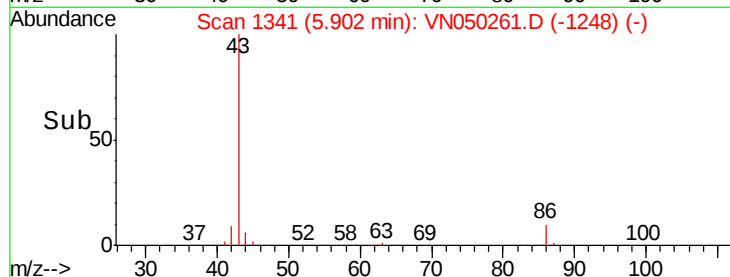
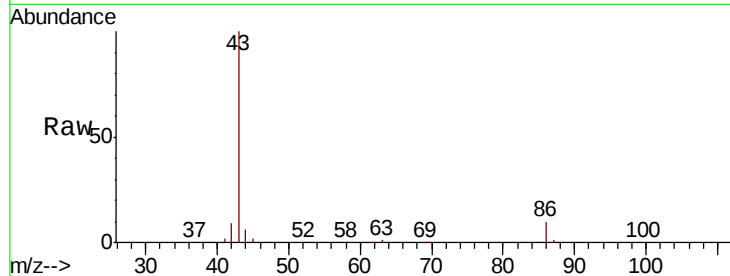
#23
 Vinyl Acetate
 Concen: 112.359 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion: 43 Resp: 1716131
 Ion Ratio Lower Upper
 43 100
 86 10.5 8.6 13.0

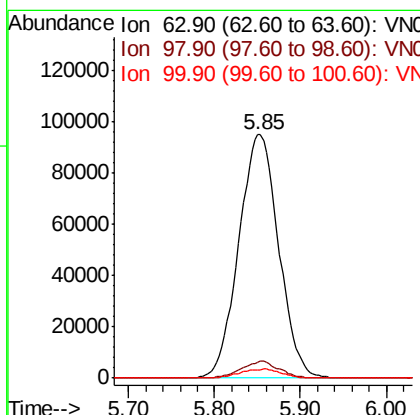
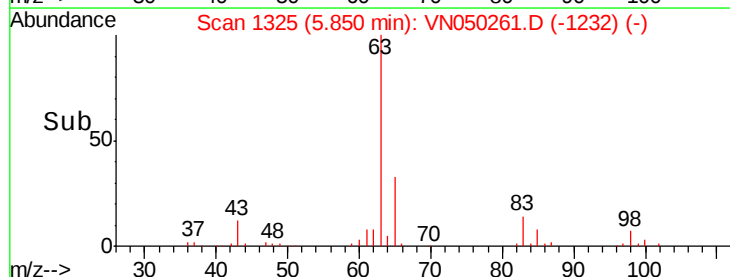
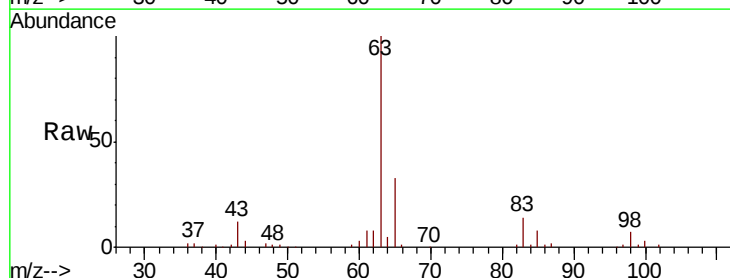
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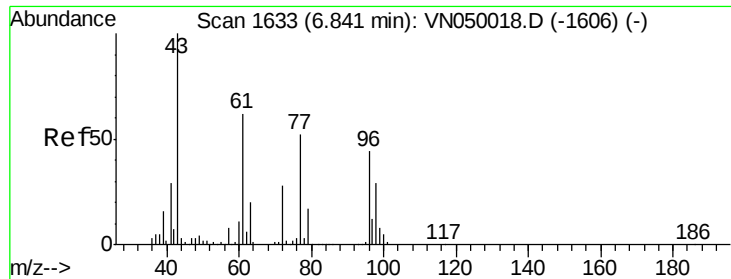
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#24
 1,1-Dichloroethane
 Concen: 21.629 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion: 63 Resp: 305678
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 3.4 2.1 6.3





#25

2-Butanone

Concen: 126.540 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 43 Resp: 410729

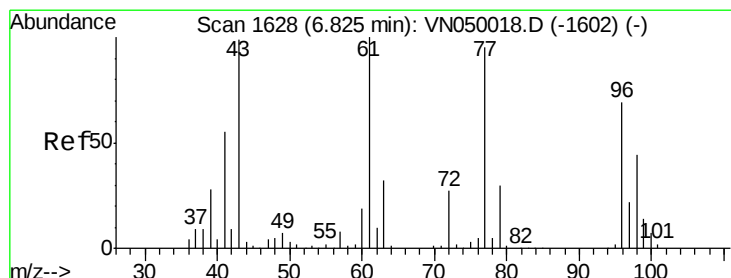
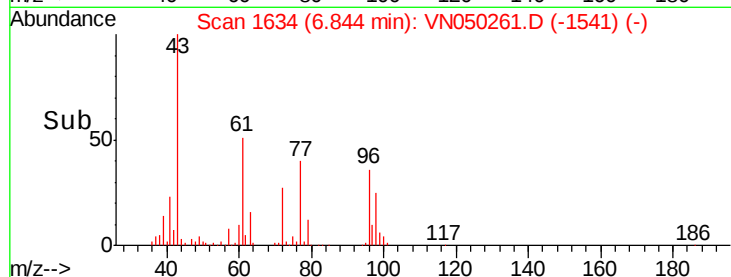
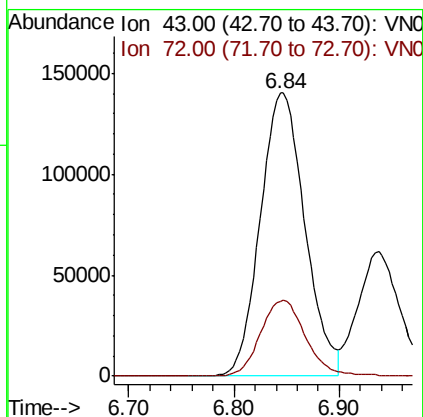
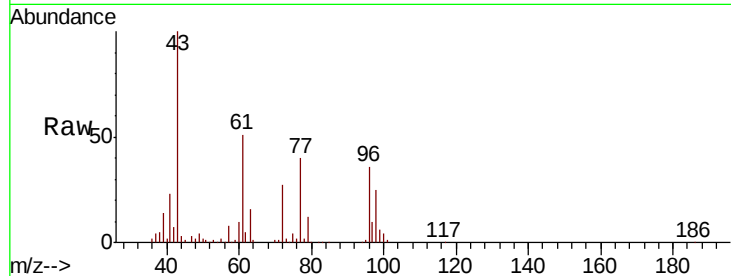
Ion Ratio Lower Upper

43 100

72 26.6 21.5 32.3

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#26

2,2-Dichloropropane

Concen: 22.837 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050261.D

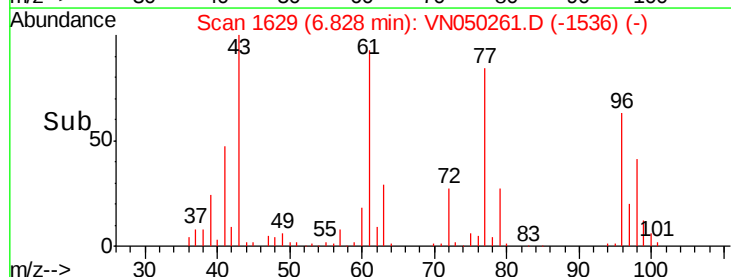
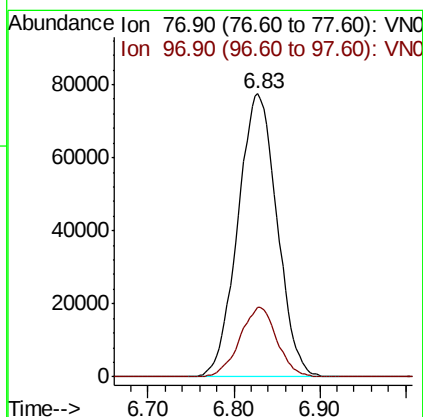
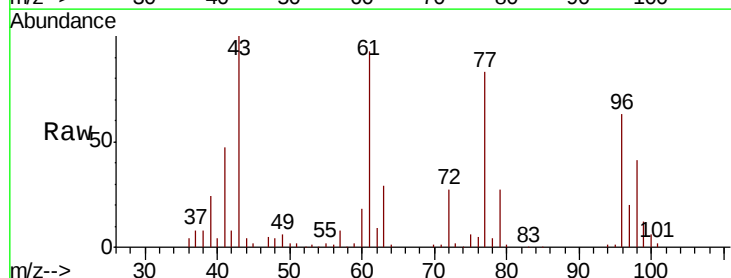
Acq: 2 Aug 2018 14:04

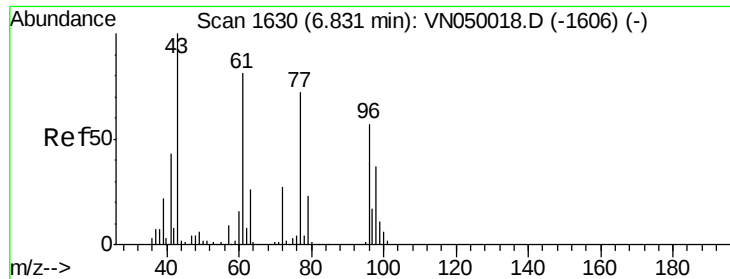
Tgt Ion: 77 Resp: 245536

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





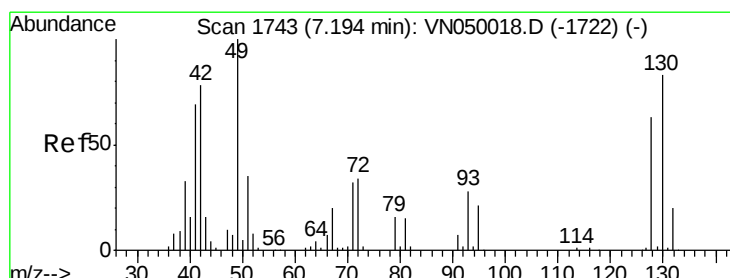
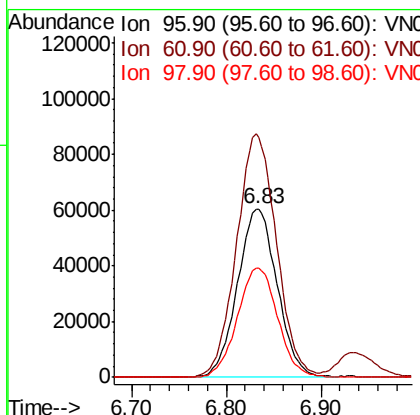
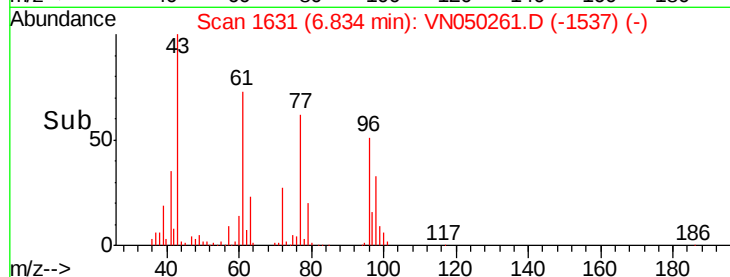
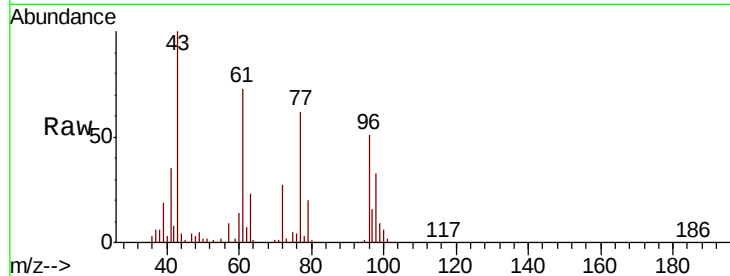
#27
 cis-1,2-Dichloroethene
 Concen: 21.966 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.4	0.0	285.0	
98	66.0	0.0	129.2	

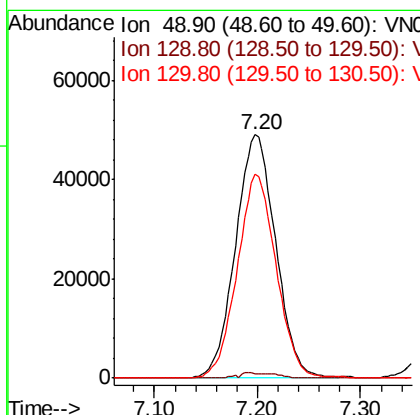
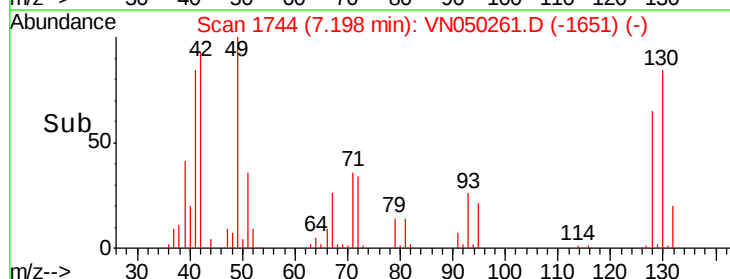
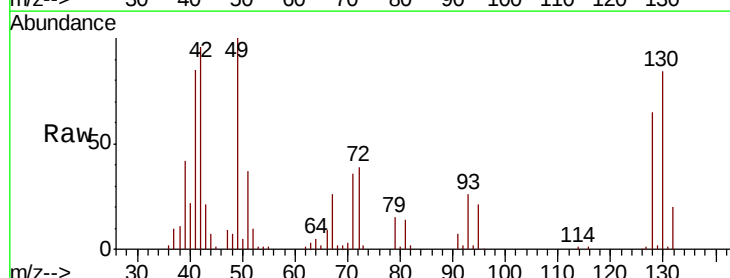
Manual Integrations
 APPROVED

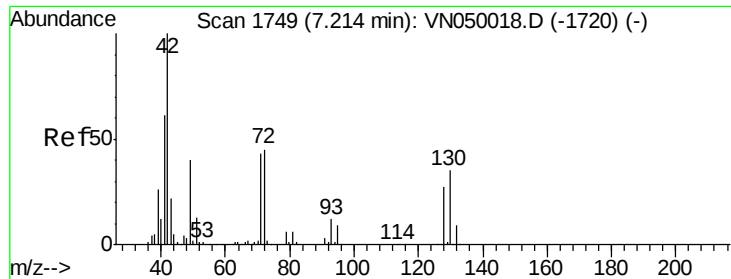
MMDadoda
 8/3/2018 9:36:15 AM



#28
 Bromochloromethane
 Concen: 20.598 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	4.0	
130	81.3	66.3	99.5	





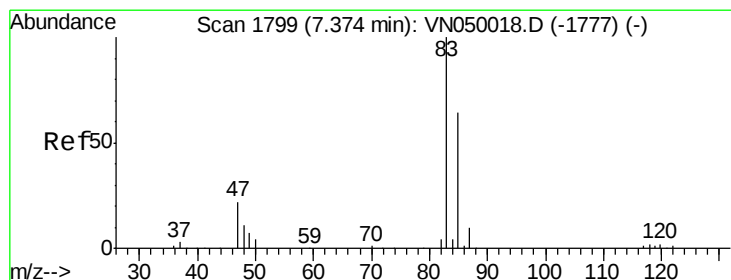
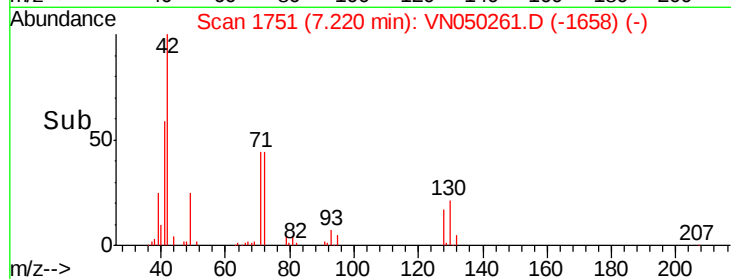
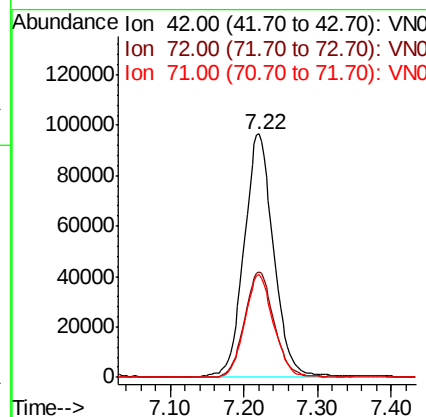
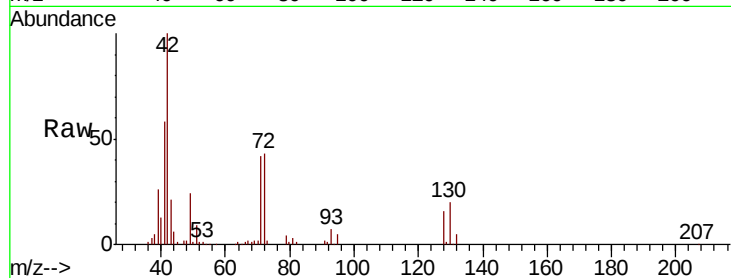
#29
Tetrahydrofuran
Concen: 127.476 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.9	53.9
71	41.5	33.7	50.5

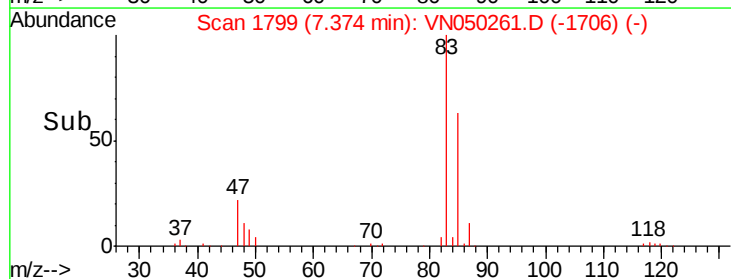
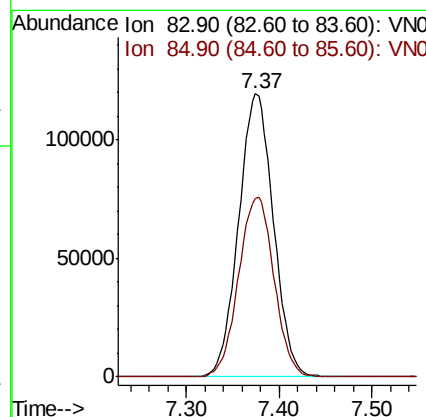
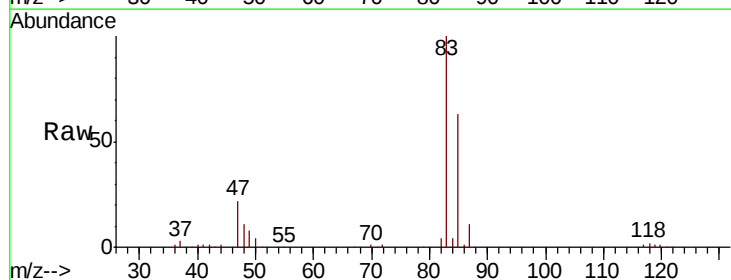
Manual Integrations
APPROVED

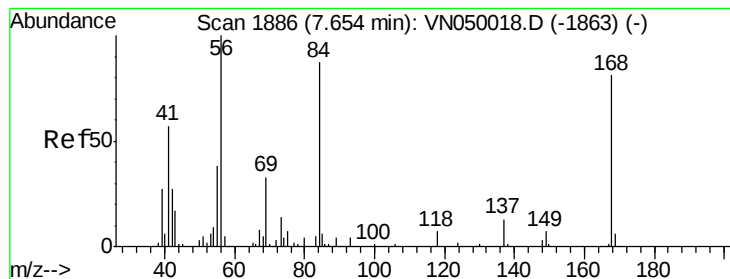
MMDadoda
8/3/2018 9:36:15 AM



#30
Chloroform
Concen: 21.571 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.5	78.7





#31

Cyclohexane

Concen: 20.586 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 56 Resp: 241757

Ion Ratio Lower Upper

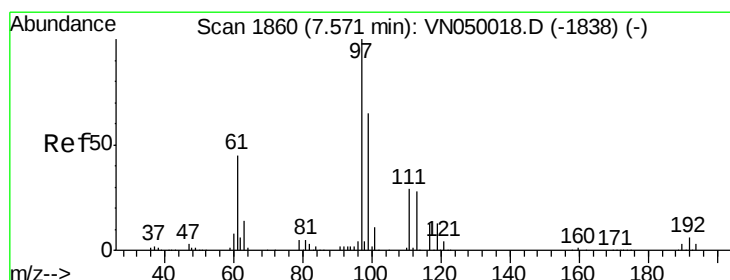
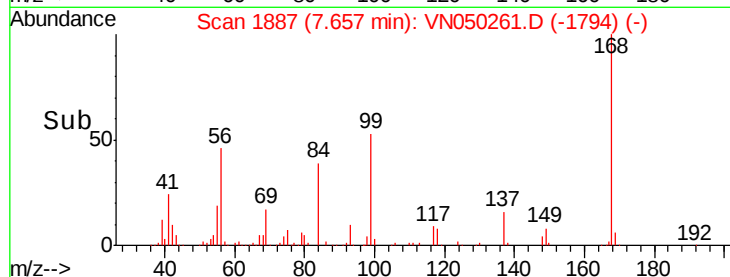
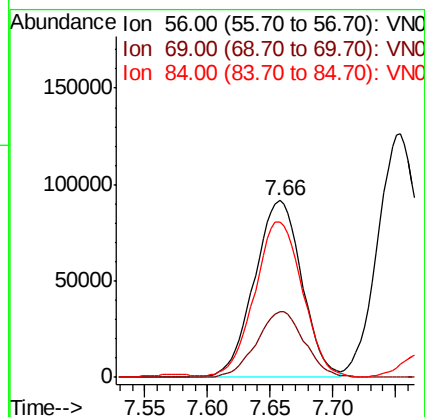
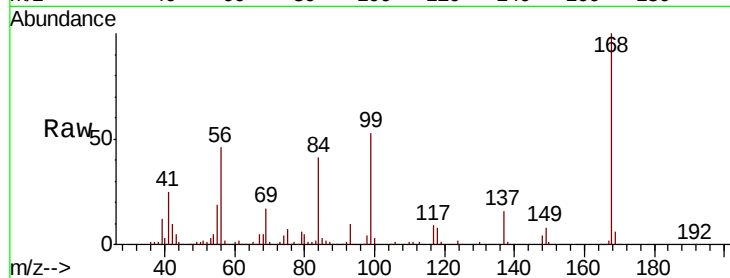
56 100

69 37.4 26.2 39.4

84 86.8 67.4 101.0

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:15 AM



#32

1,1,1-Trichloroethane

Concen: 21.008 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

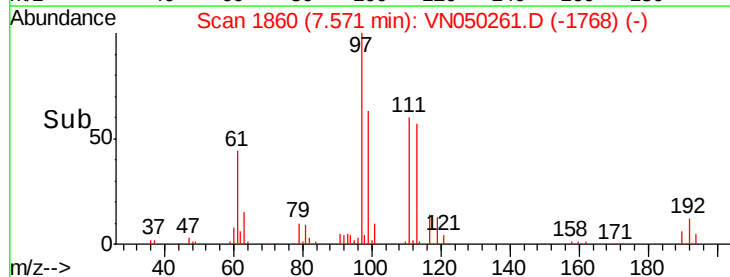
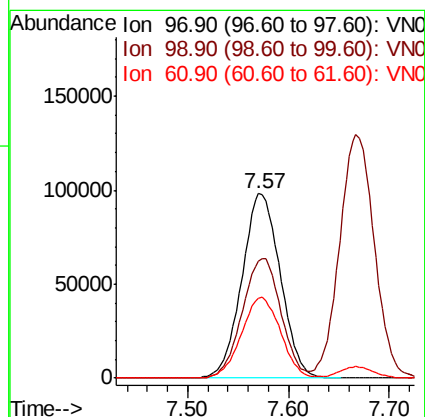
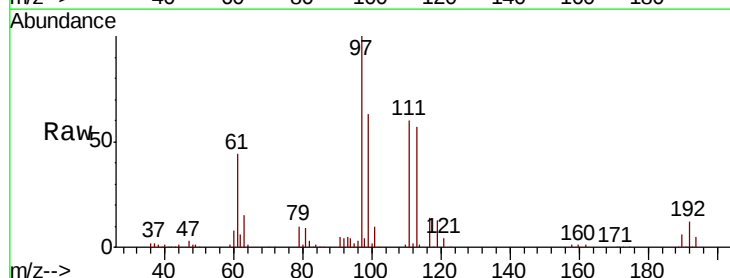
Tgt Ion: 97 Resp: 259172

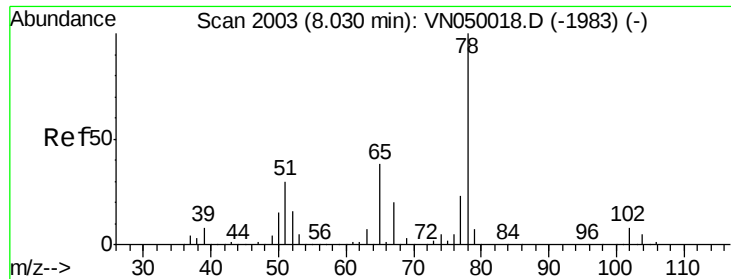
Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

61 44.7 35.4 53.0





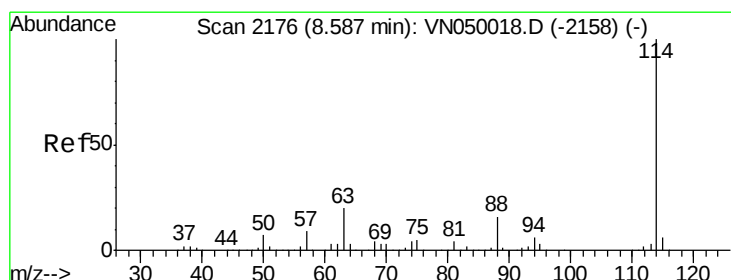
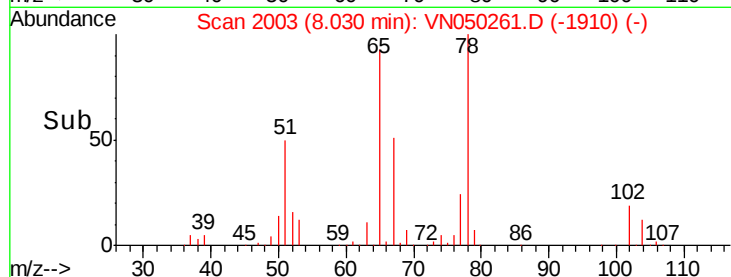
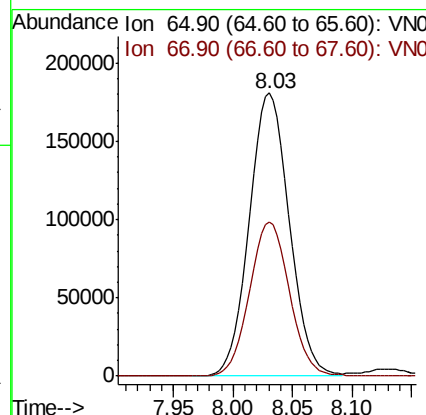
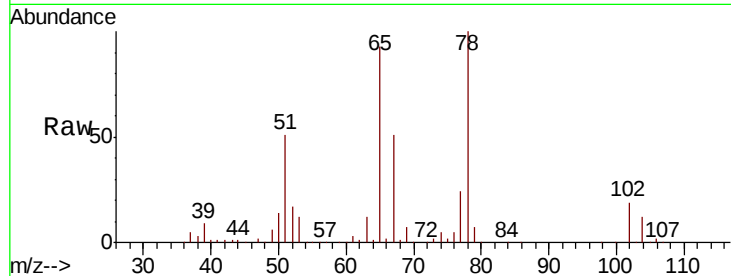
#33
 1,2-Dichloroethane-d4
 Concen: 49.570 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	108.4	

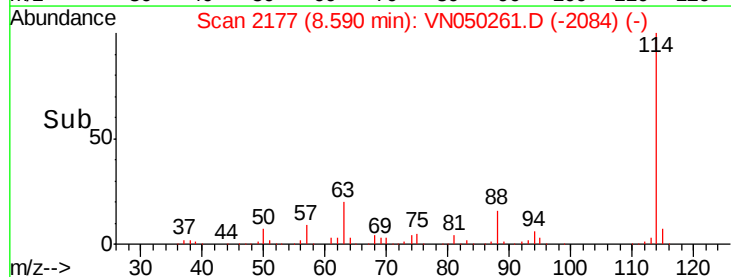
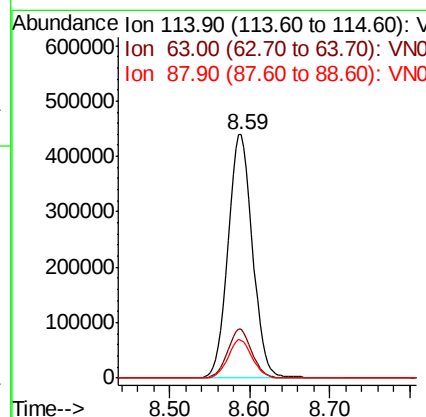
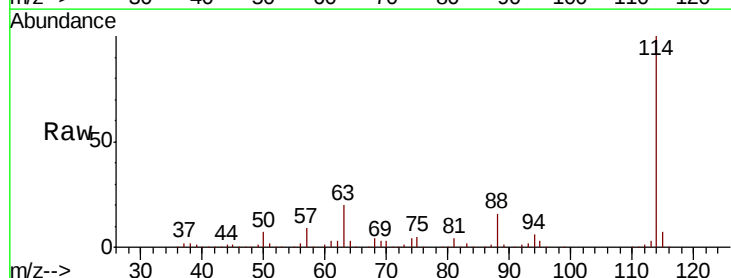
Manual Integrations
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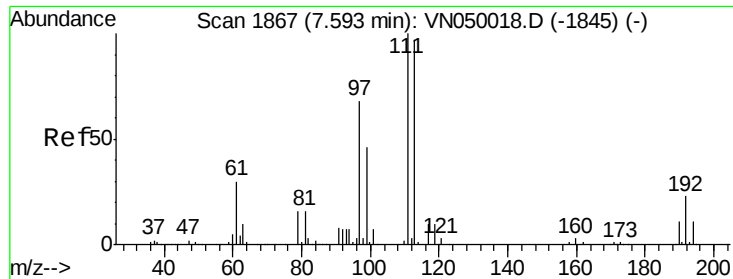
MMDadoda
 8/3/2018 9:36:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	40.0	
88	15.6	0.0	31.2	





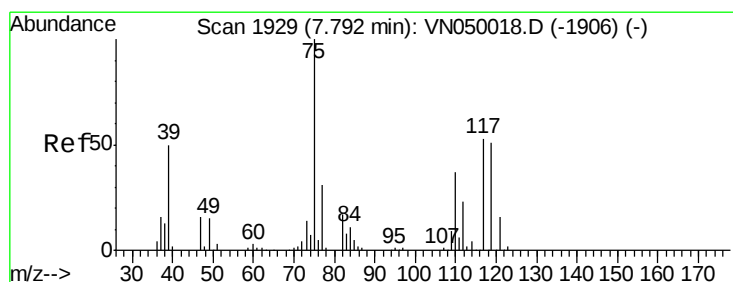
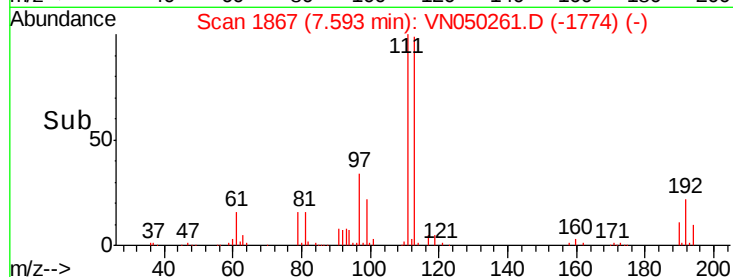
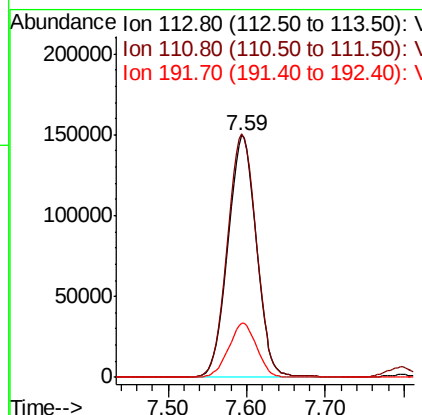
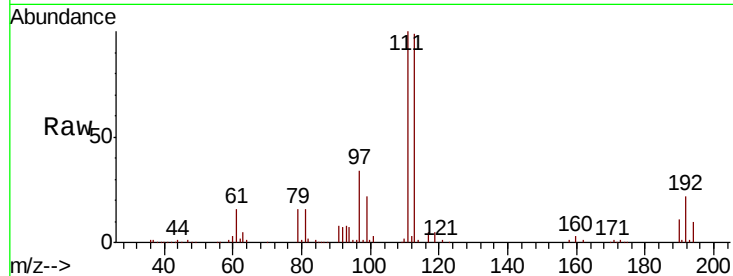
#35
Dibromofluoromethane
Concen: 49.779 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.4	80.7	121.1	
192	22.1	17.8	26.6	

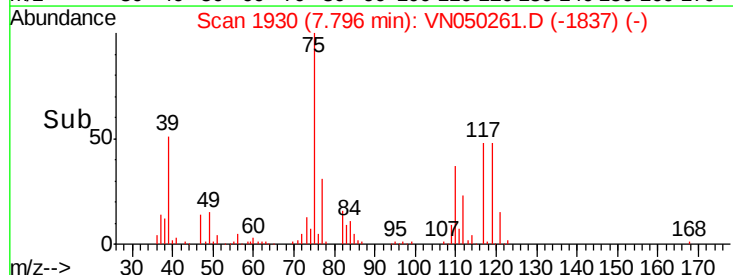
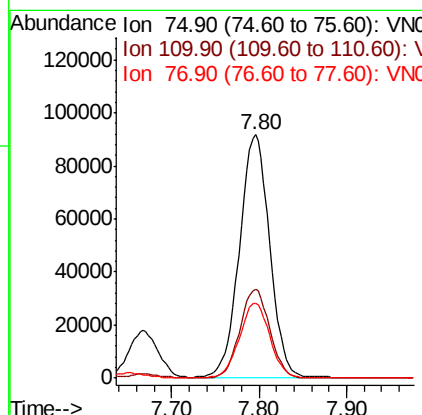
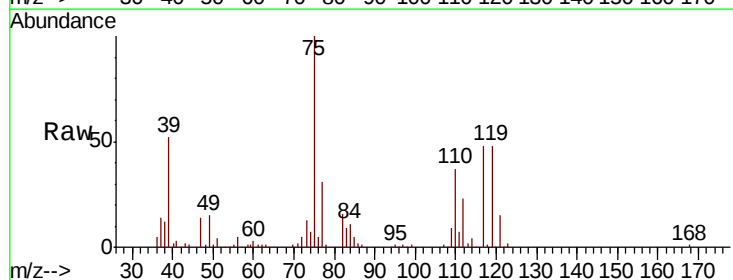
Manual Integrations
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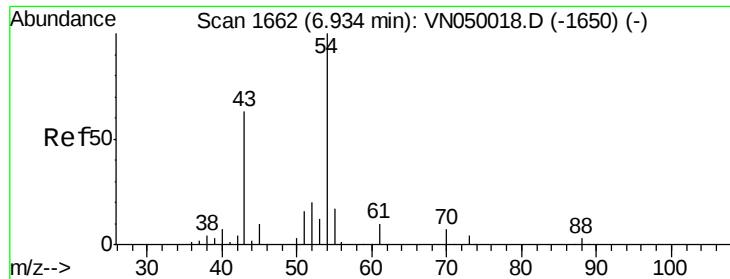
MMDadoda
8/3/2018 9:36:15 AM



#36
1,1-Dichloropropene
Concen: 21.168 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	18.4	55.2	
77	31.2	25.3	37.9	





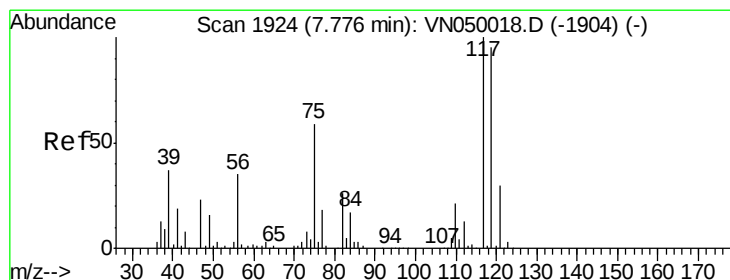
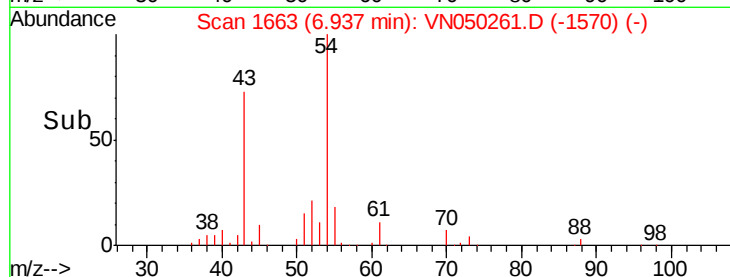
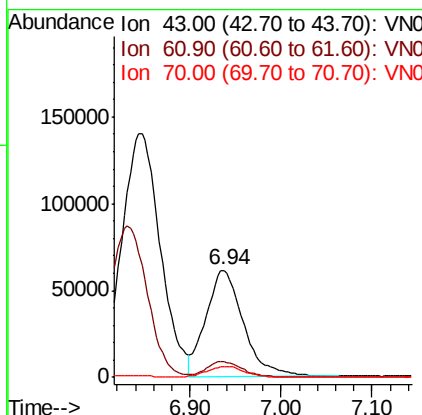
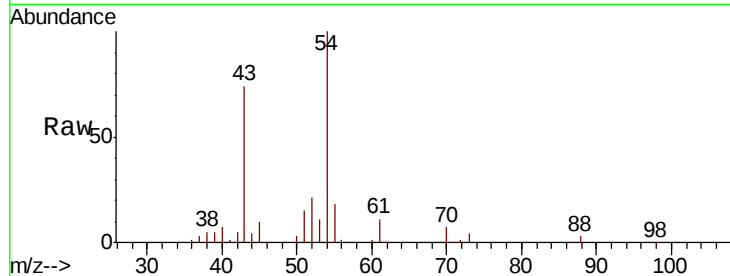
#37
Ethyl Acetate
Concen: 24.043 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	43	61	70	Resp	174150
Ion Ratio	100	13.8	10.5	Lower	Upper
		11.8	8.4		

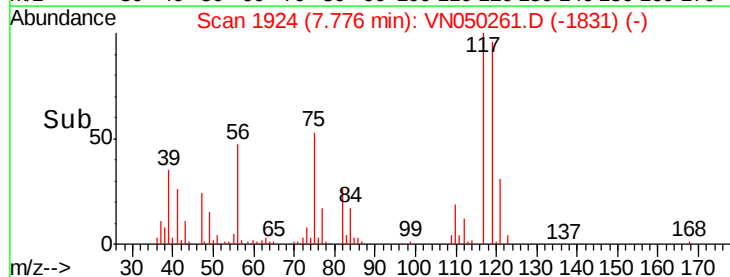
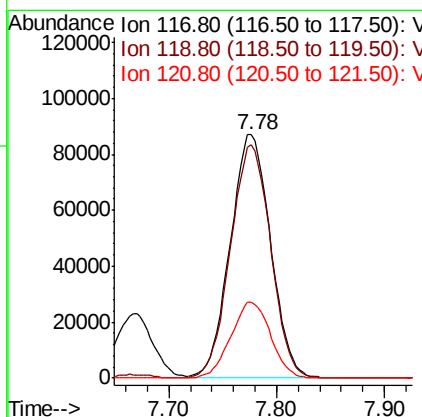
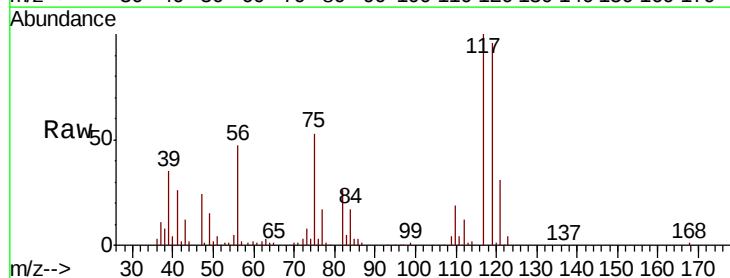
Manual Integrations
APPROVED

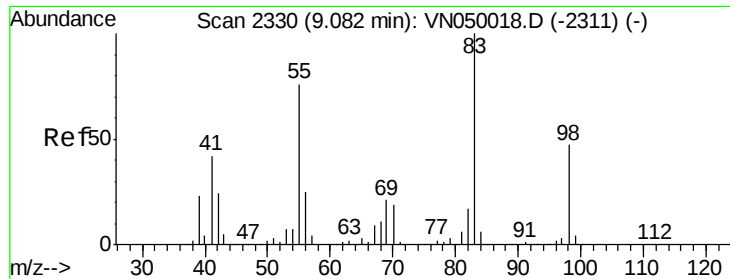
MMDadoda
8/3/2018 9:36:15 AM



#38
Carbon Tetrachloride
Concen: 20.591 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	117	119	121	Resp	226988
Ion Ratio	100	95.8	31.1	Lower	Upper
		77.4	23.9		





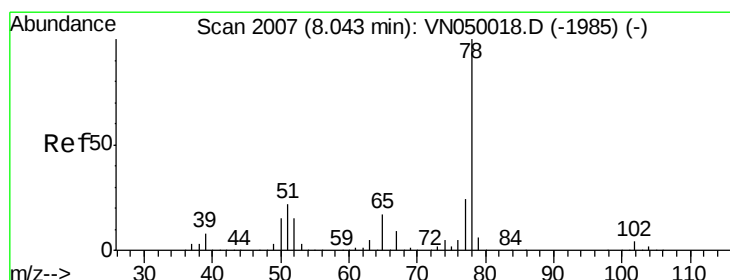
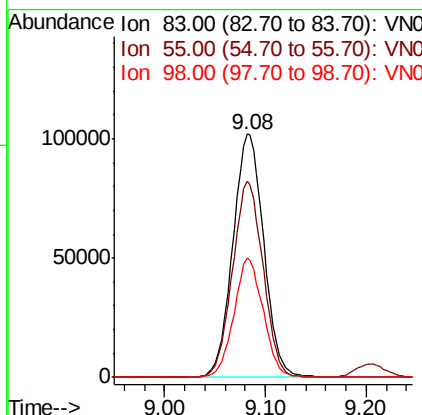
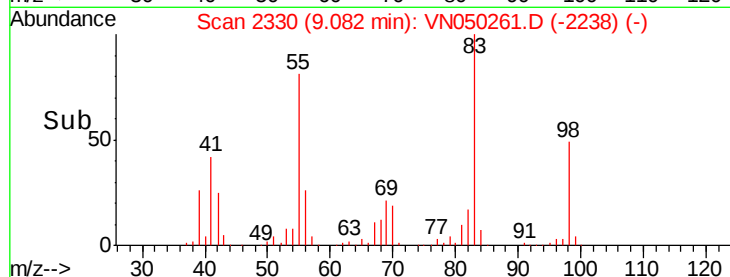
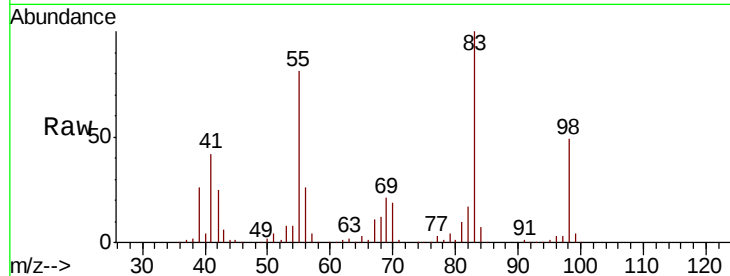
#39
Methvlcvclohexane
Concen: 20.274 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.7	61.8	92.8	
98	49.0	36.5	54.7	

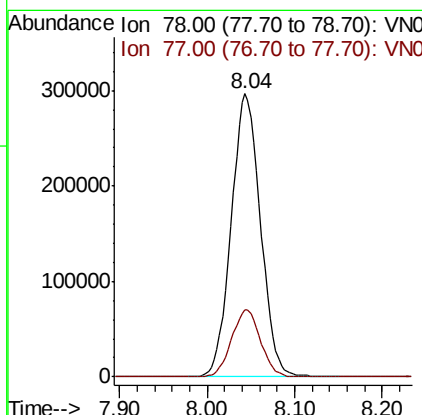
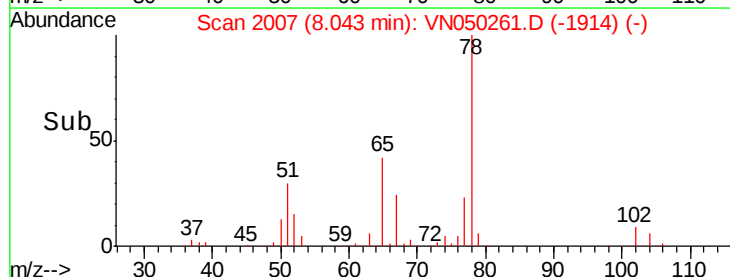
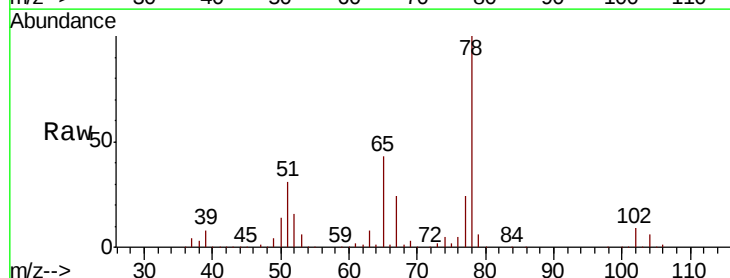
Manual Integrations
APPROVED

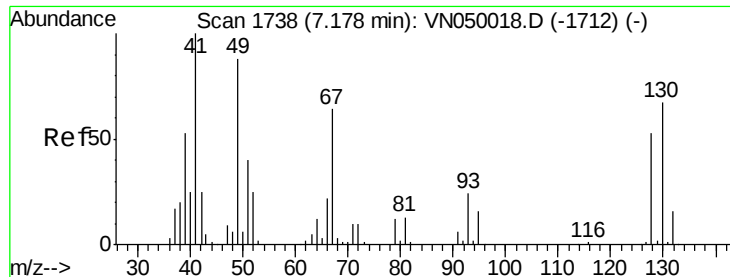
MMDadoda
8/3/2018 9:36:15 AM



#40
Benzene
Concen: 21.814 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.7	28.1	





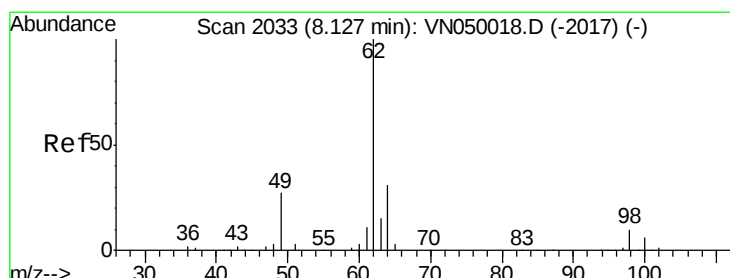
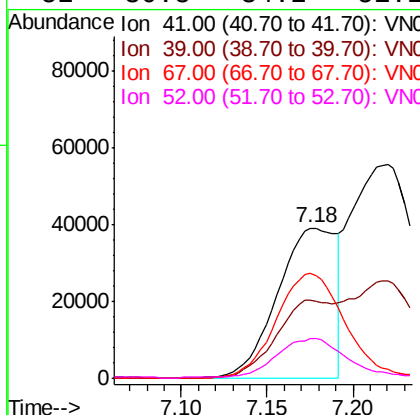
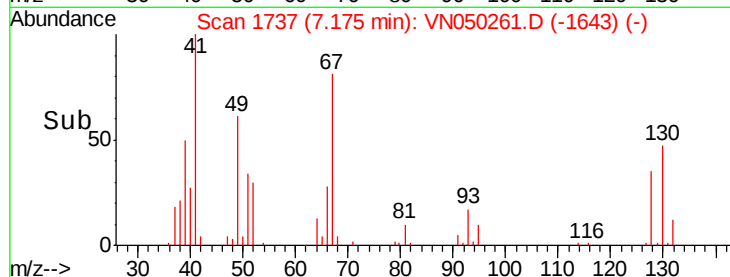
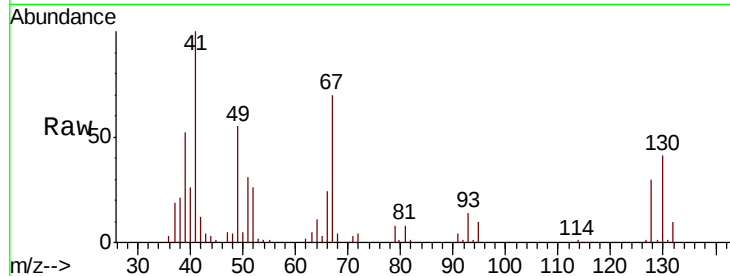
#41
Methacrylonitrile
Concen: 26.022 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	55.8	83.6#
67	82.8	84.3	126.5#
52	30.8	34.2	51.2#

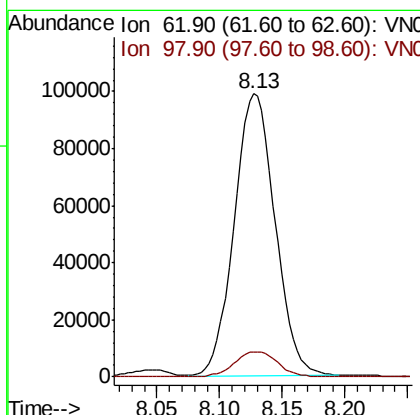
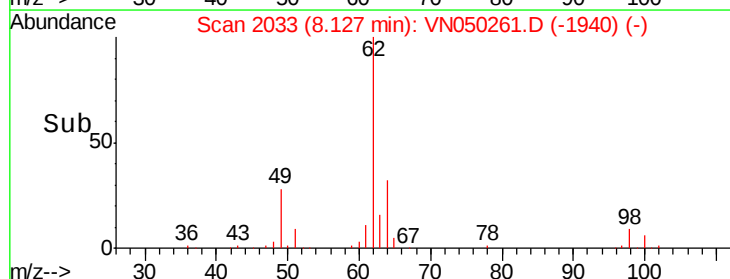
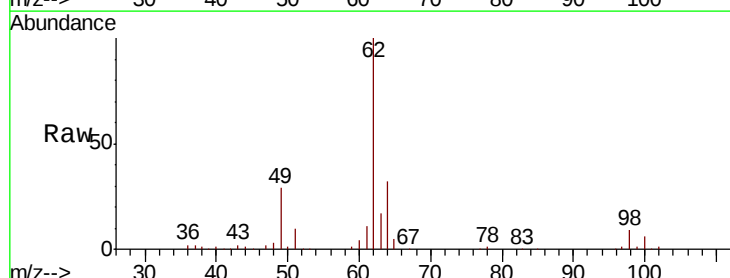
Manual Integrations
APPROVED

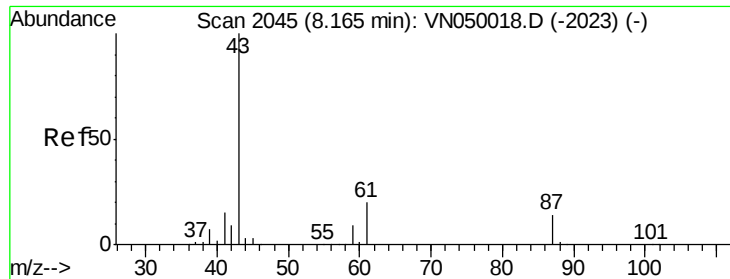
MMDadoda
8/3/2018 9:36:15 AM



#42
1,2-Dichloroethane
Concen: 21.199 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.8





#43

Isopropyl Acetate

Concen: 23.460 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

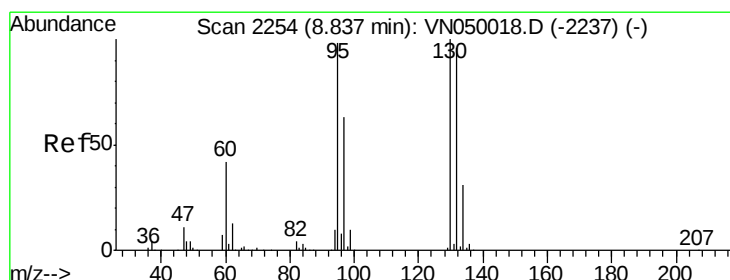
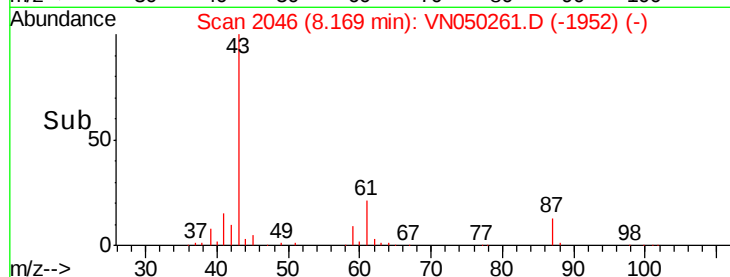
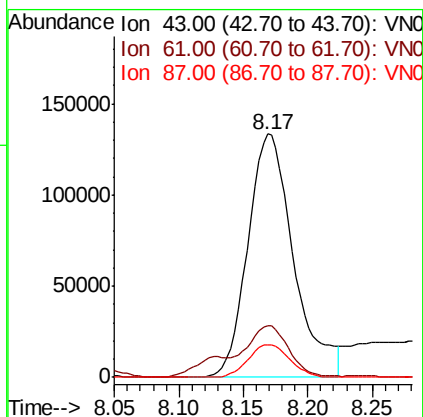
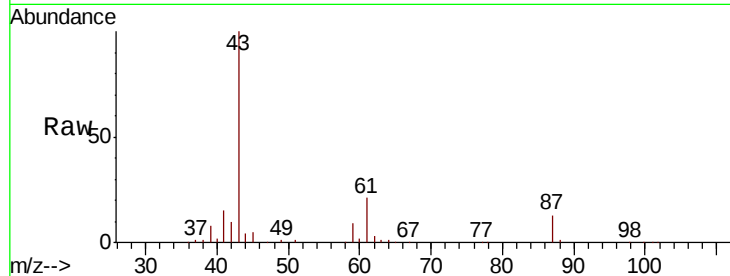
ClientSampleId :

VN0802MBS01

Tot Ion:	43	Resp:	328472
Ion	Ratio	Lower	Upper
43	100		
61	18.3	15.8	23.6
87	12.3	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.873 ug/l

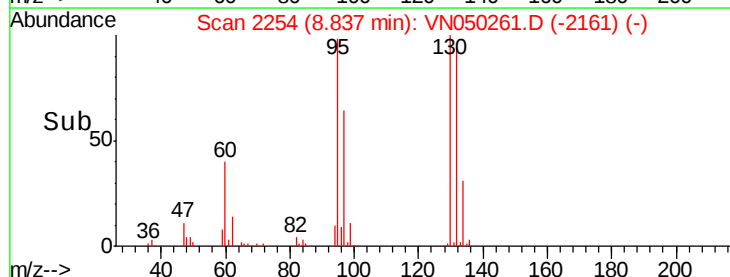
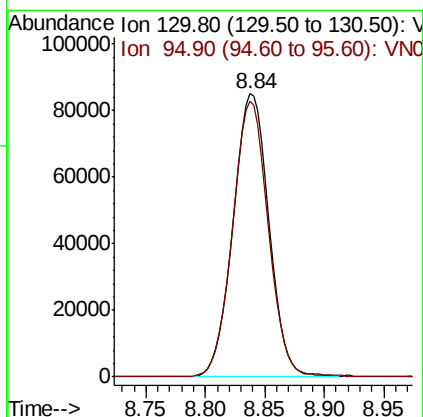
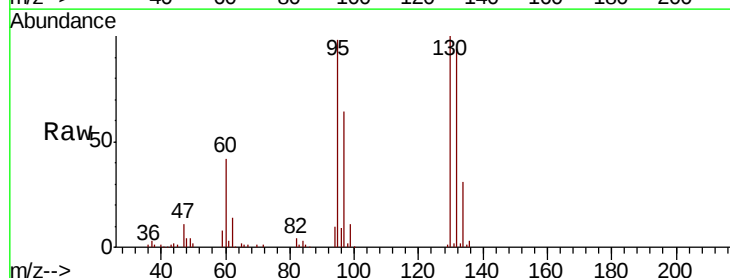
RT: 8.84 min Scan# 2254

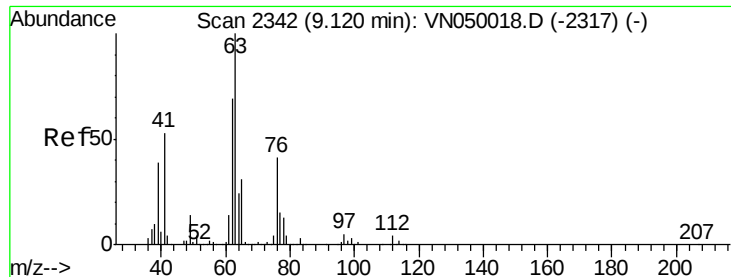
Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Tgt Ion:	130	Resp:	177307
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	194.6





#45

1,2-Dichloropropane

Concen: 21.983 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 63 Resp: 184071

Ion Ratio Lower Upper

63 100

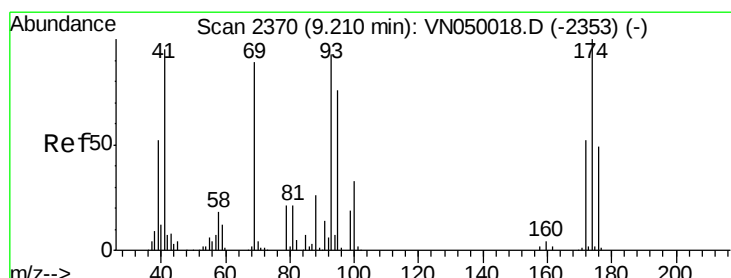
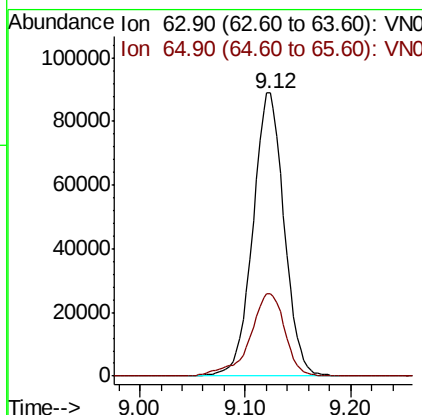
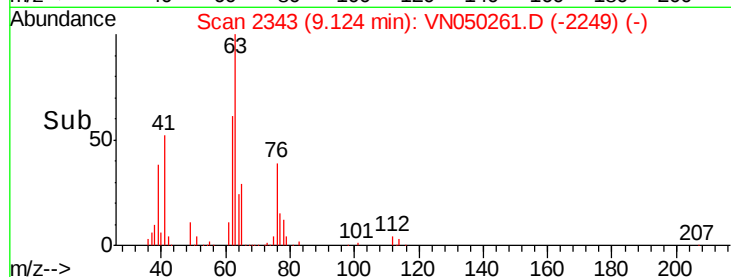
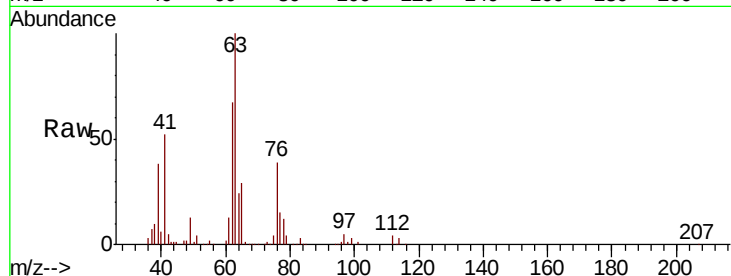
65 29.1 25.5 38.3

Manual Integrations

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#46

Dibromomethane

Concen: 21.944 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

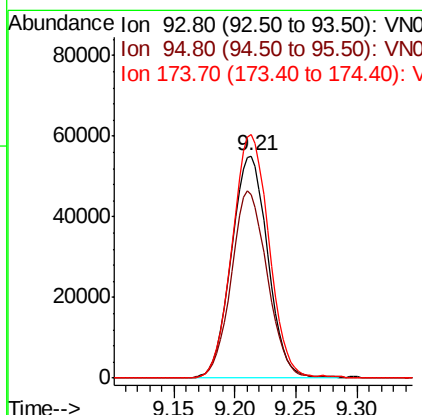
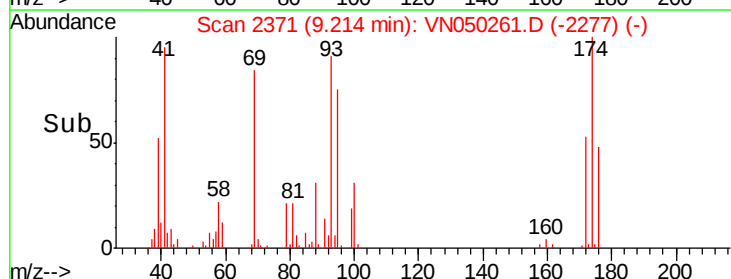
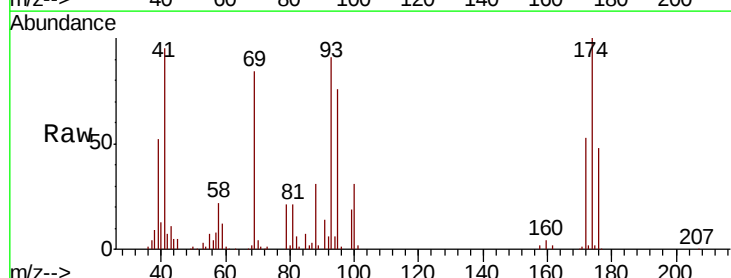
Tgt Ion: 93 Resp: 114092

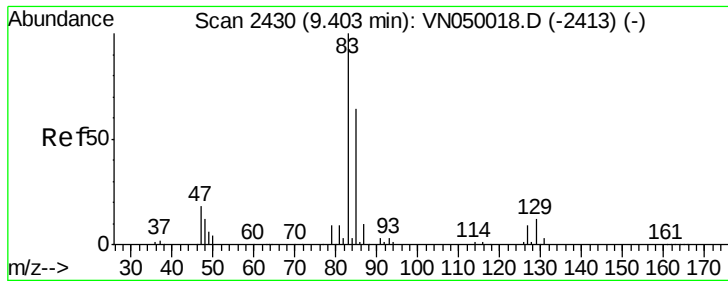
Ion Ratio Lower Upper

93 100

95 83.8 66.6 100.0

174 111.1 87.1 130.7





#47

Bromodichloromethane

Concen: 21.473 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

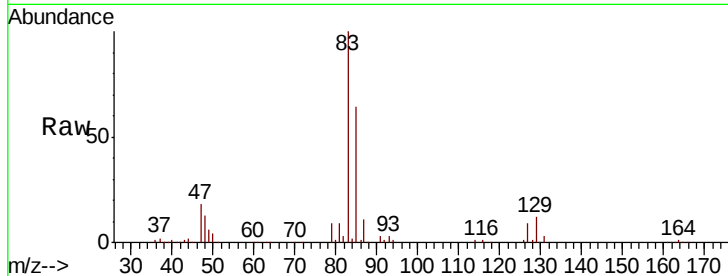
ClientSampleId :

VN0802MBS01

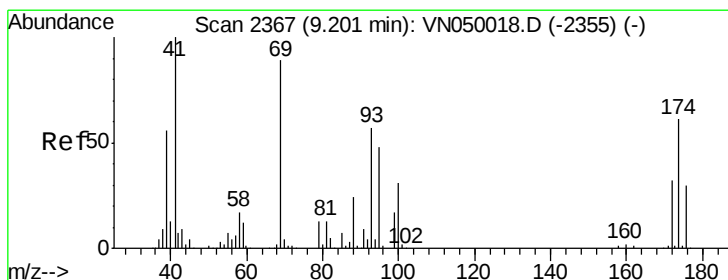
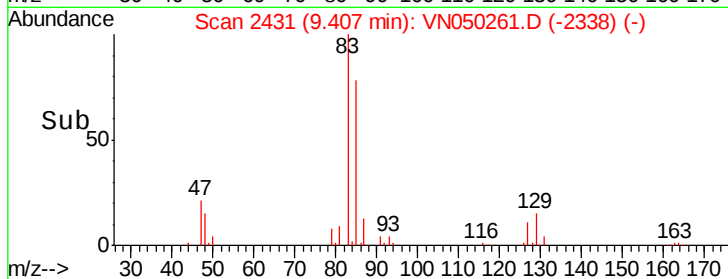
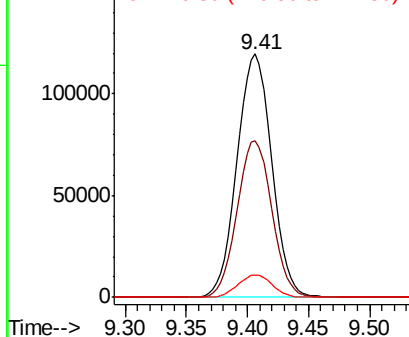
Tot Ion:	83	Resp:	235628
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.1	76.7
127	9.3	7.0	10.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 23.977 ug/l

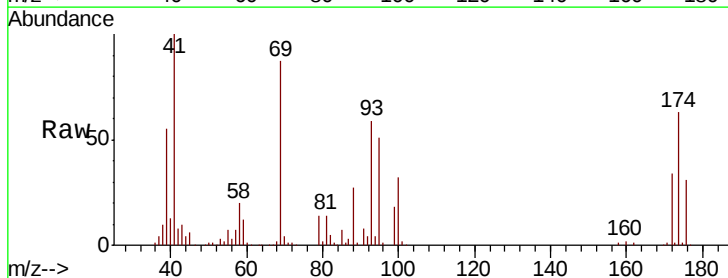
RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

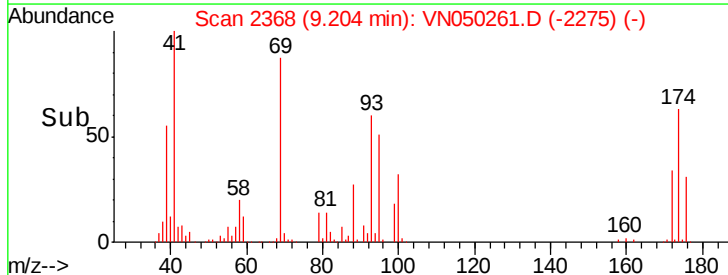
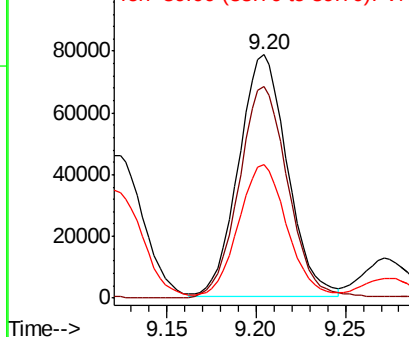
Lab File: VN050261.D

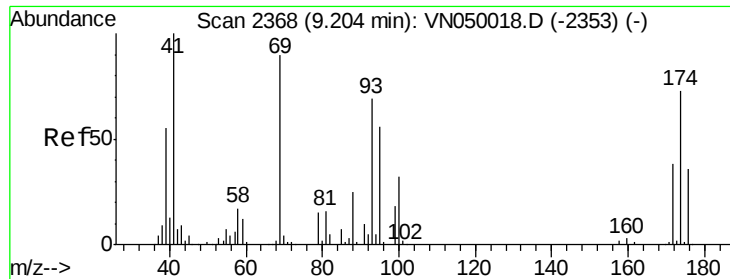
Acq: 2 Aug 2018 14:04

Tgt Ion:	41	Resp:	149570
Ion Ratio	Lower	Upper	
41	100		
69	89.0	70.6	105.8
39	55.4	43.9	65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





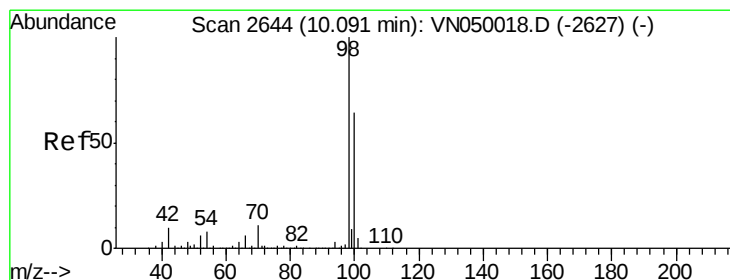
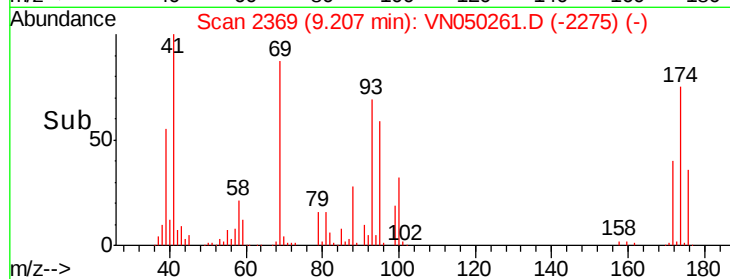
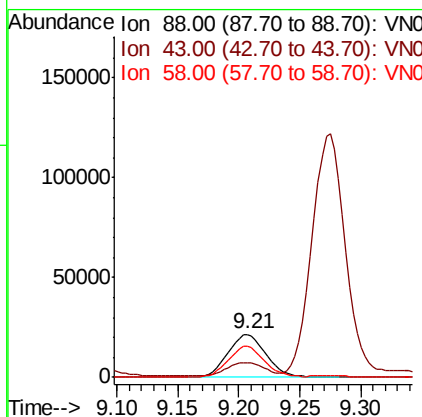
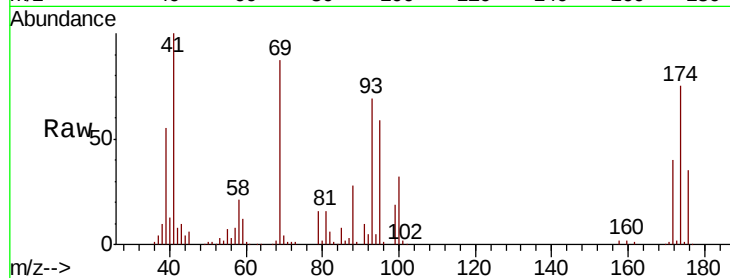
#49
 1,4-Dioxane
 Concen: 548.238 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	26.9	40.3
58	69.5	57.3	85.9

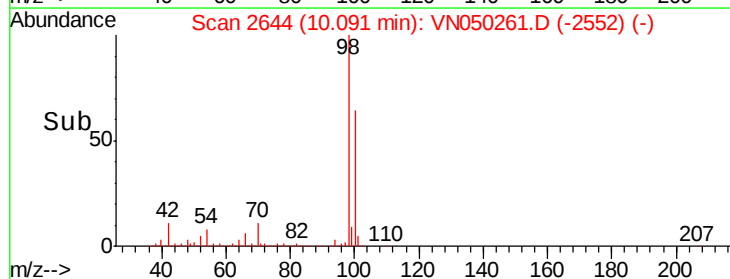
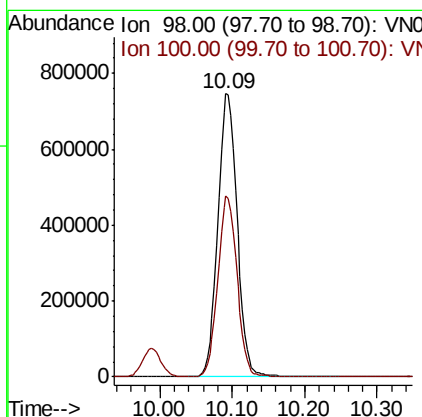
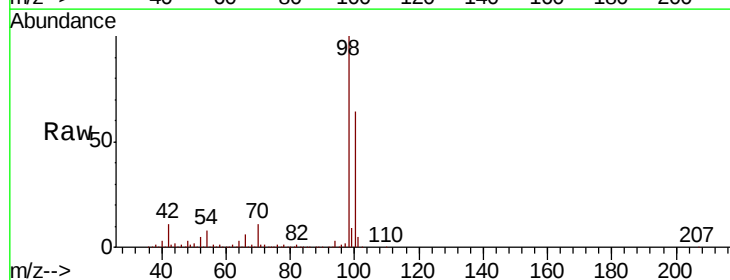
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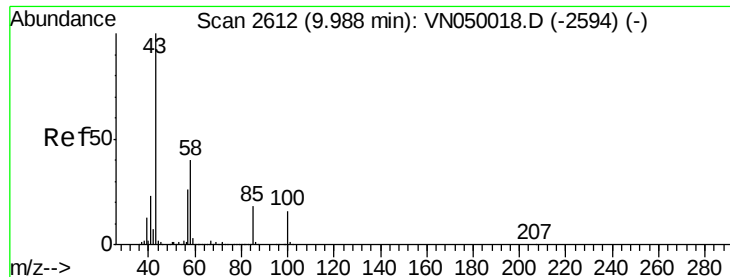
MMDadoda
 8/3/2018 9:36:15 AM



#50
 Toluene-d8
 Concen: 49.852 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





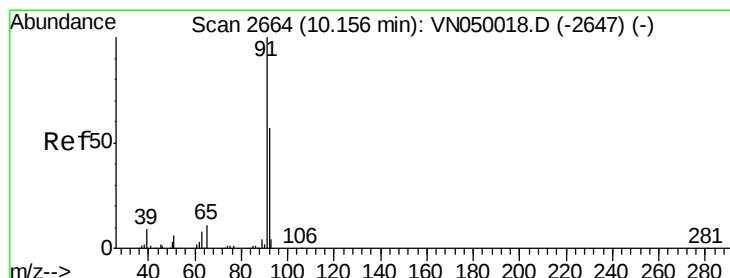
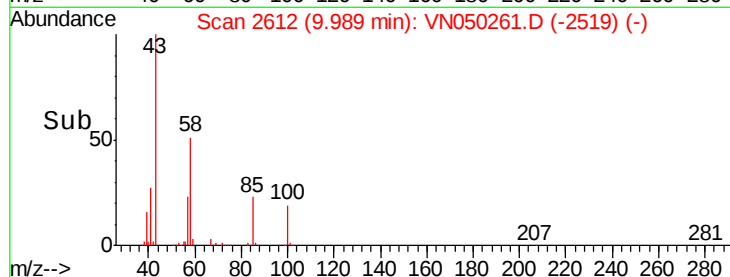
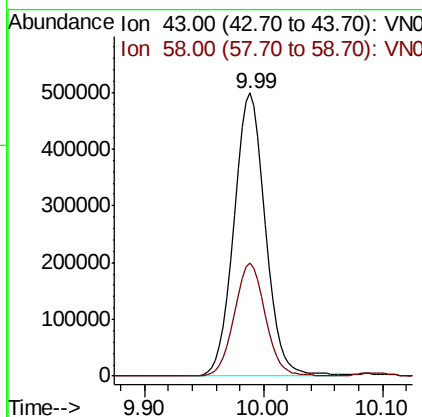
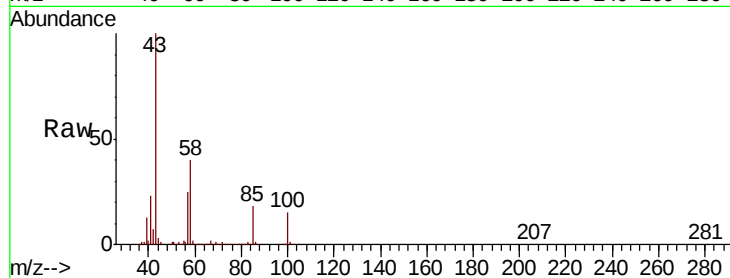
#51
4-Methyl-2-Pentanone
Concen: 127.546 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.9	47.9

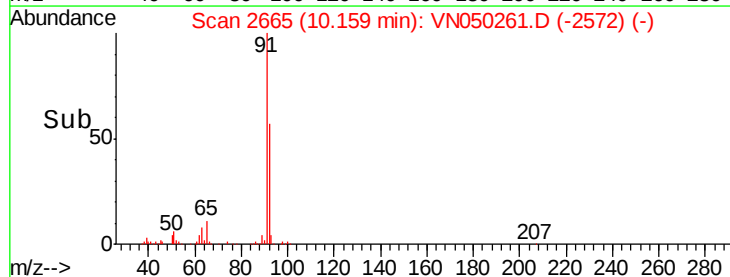
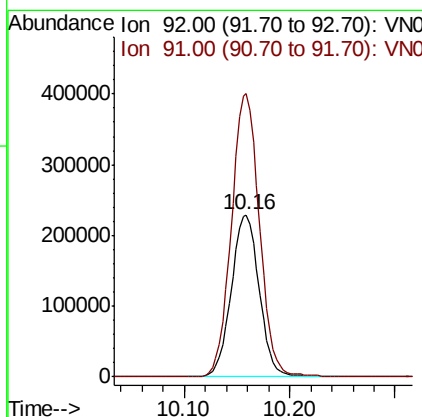
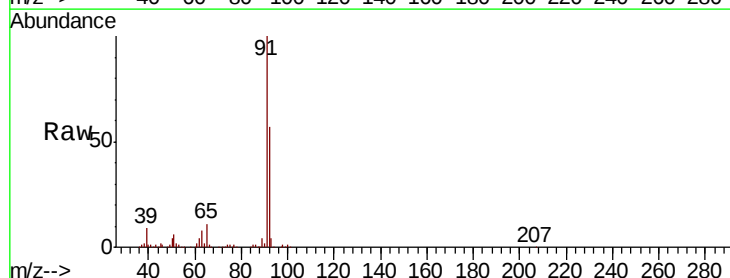
Manual Integrations
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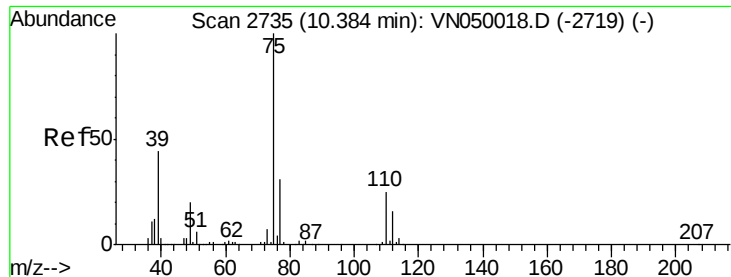
MMDadoda
8/3/2018 9:36:15 AM



#52
Toluene
Concen: 22.400 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.3	210.5





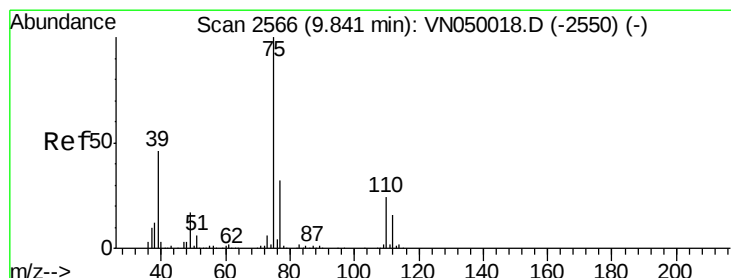
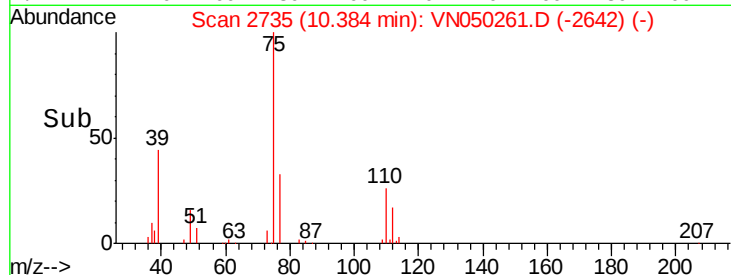
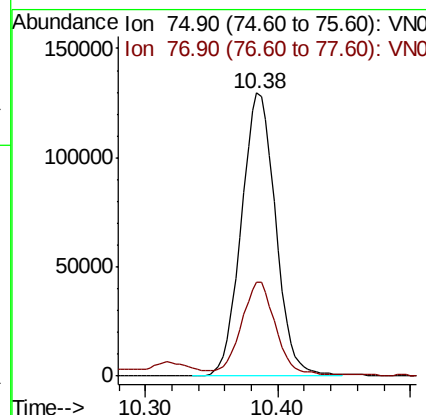
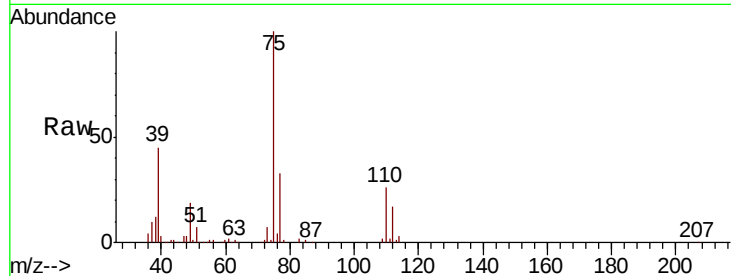
#53
t-1,3-Dichloropropene
Concen: 22.496 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.9	37.3

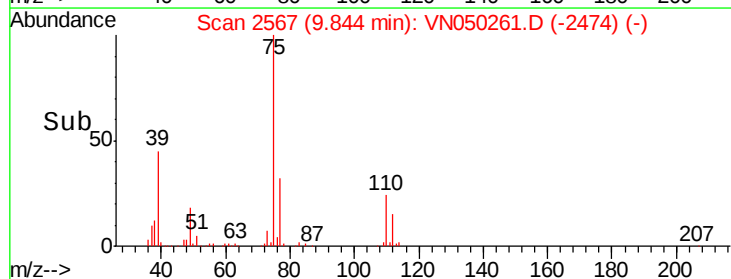
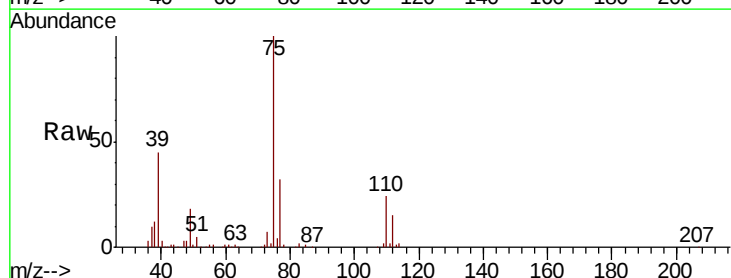
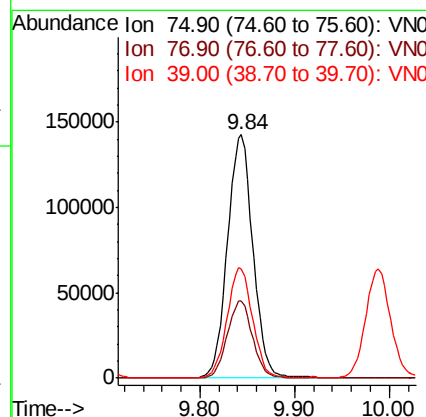
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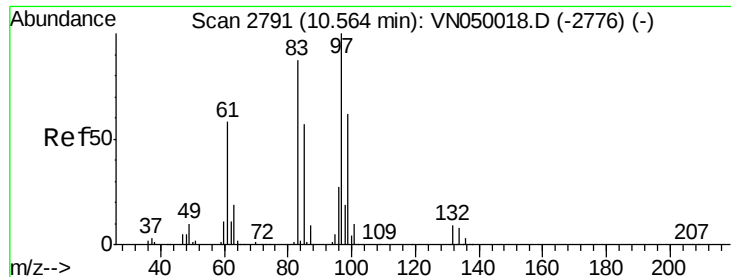
MMDadoda
8/3/2018 9:36:15 AM



#54
cis-1,3-Dichloropropene
Concen: 22.591 ug/l
RT: 9.84 min Scan# 2567
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.5	38.3
39	45.1	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 22.811 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

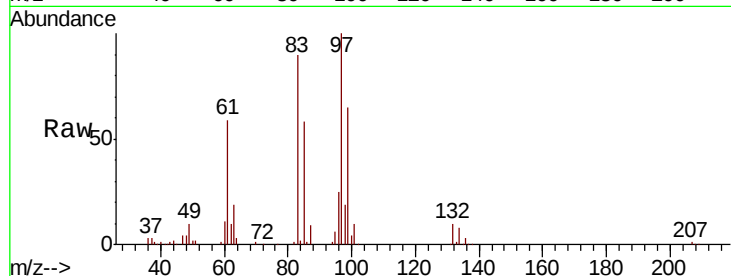
ClientSampled :

VN0802MBS01

Tot Ion:	97	Resp:	168842
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.2	103.8
85	58.2	44.0	66.0
99	64.8	49.9	74.9

Manual Integrations
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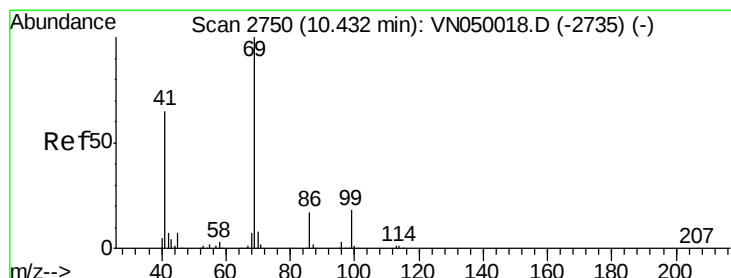
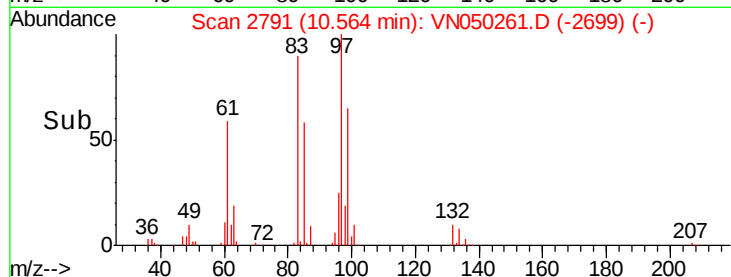
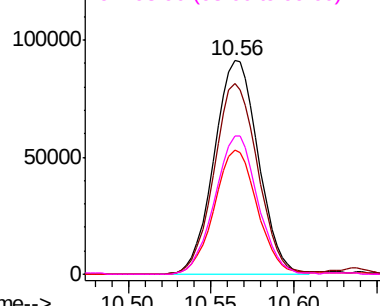


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 22.361 ug/l

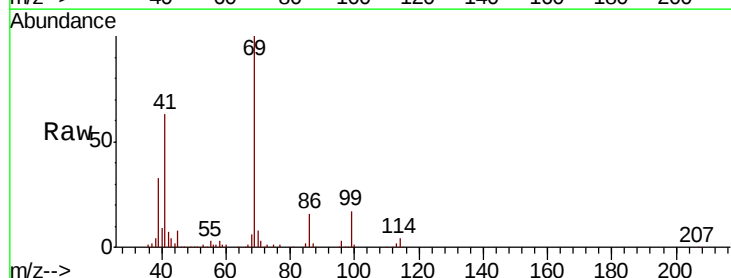
RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

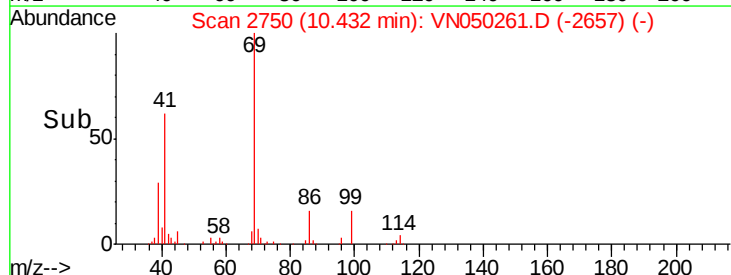
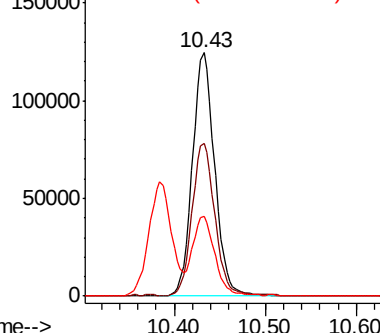
Tgt Ion:	69	Resp:	212481
Ion	Ratio	Lower	Upper
69	100		
41	63.3	51.0	76.4
39	32.6	26.6	40.0

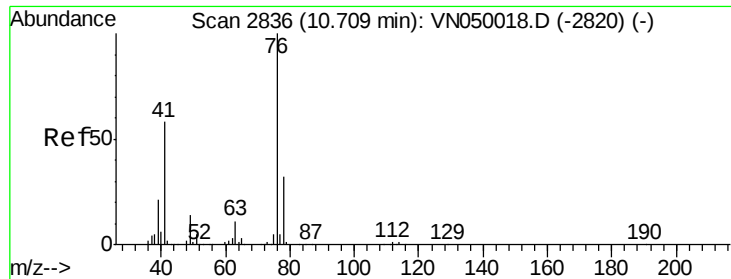


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





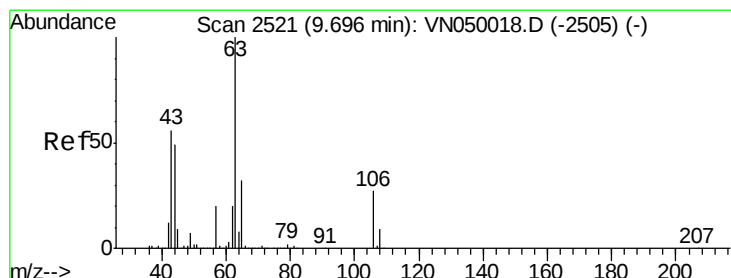
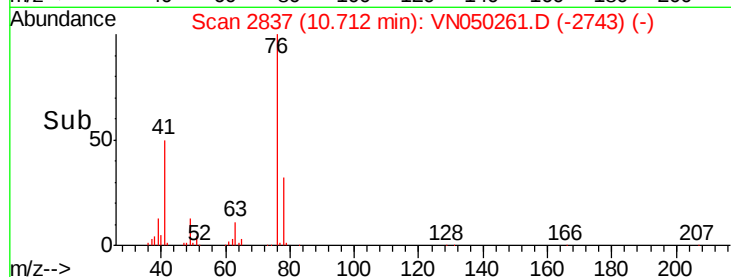
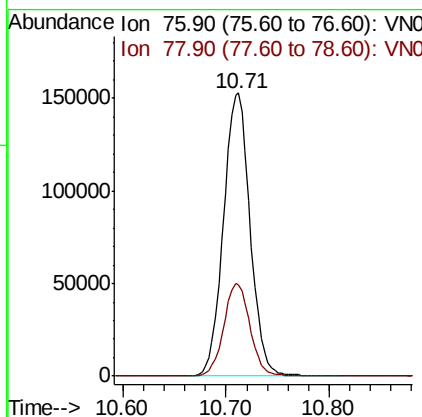
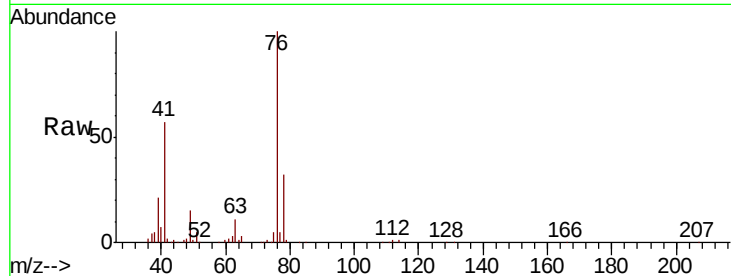
#57
 1,3-Dichloropropane
 Concen: 22.789 ug/l
 RT: 10.71 min Scan# 2837
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

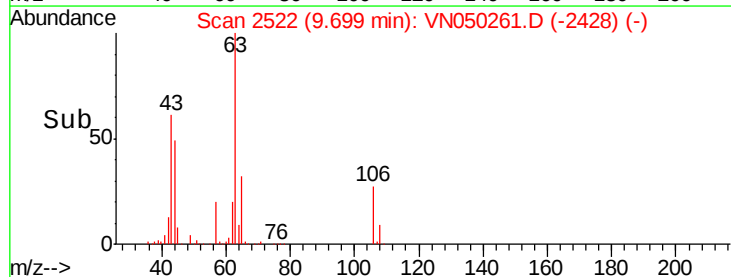
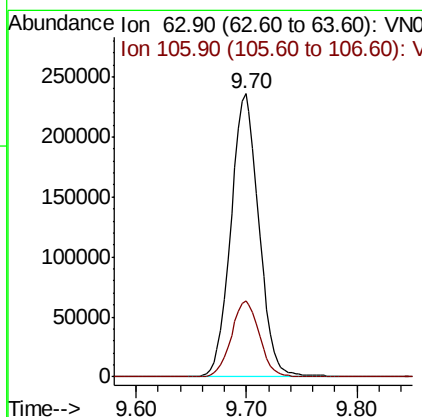
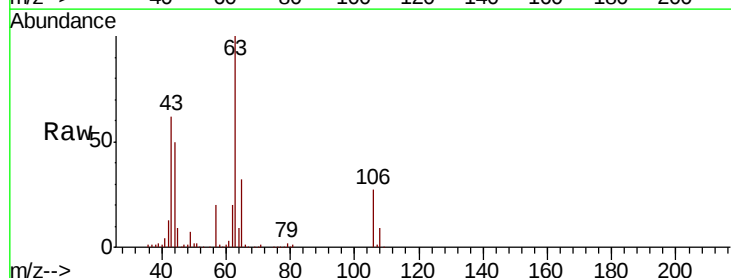
Manual Integrations
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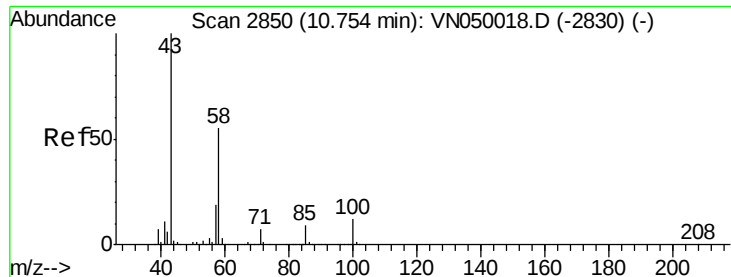
MMDadoda
 8/3/2018 9:36:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.414 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.7	32.5





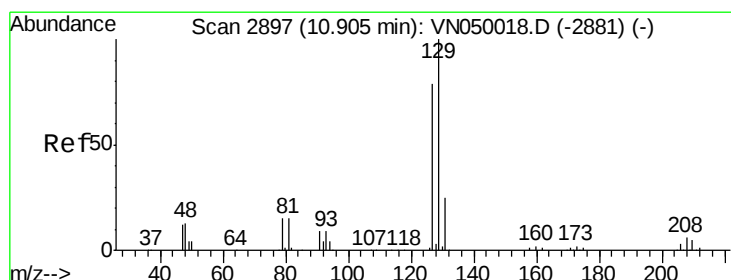
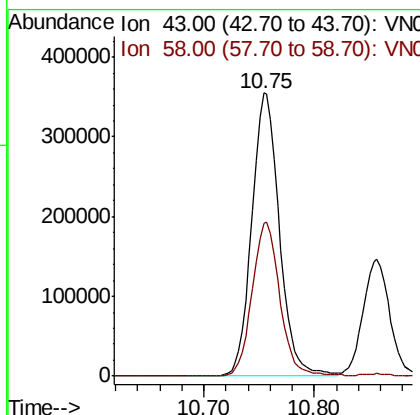
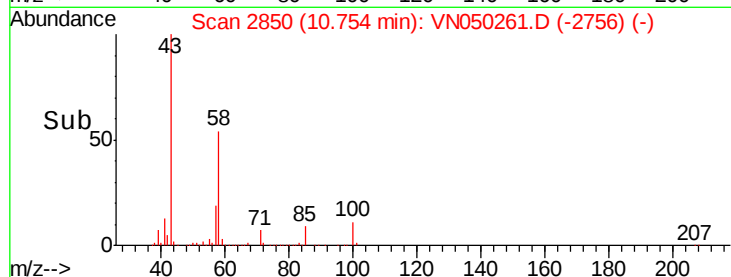
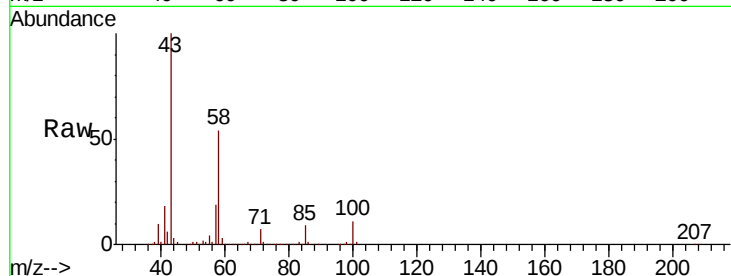
#59
2-Hexanone
Concen: 120.188 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion: 43 Resp: 614494
Ion Ratio Lower Upper
43 100
58 54.8 27.6 82.7

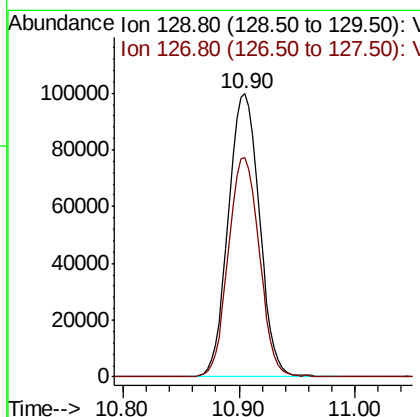
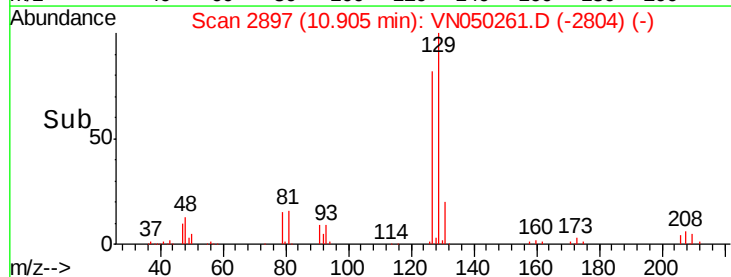
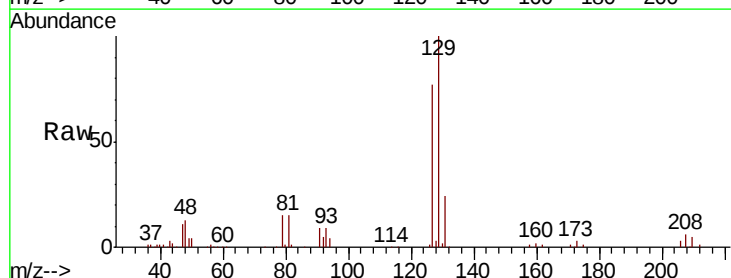
Manual Integrations
APPROVED

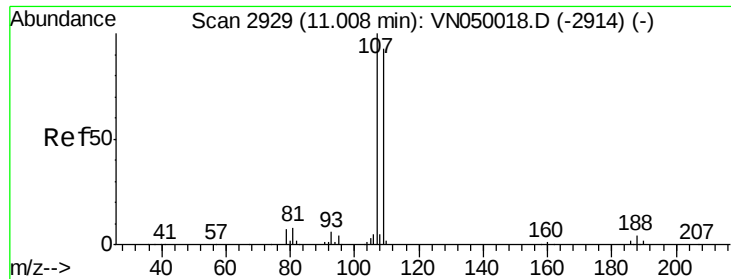
MMDadoda
8/3/2018 9:36:15 AM



#60
Dibromochloromethane
Concen: 22.590 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion: 129 Resp: 185126
Ion Ratio Lower Upper
129 100
127 76.8 38.0 113.9





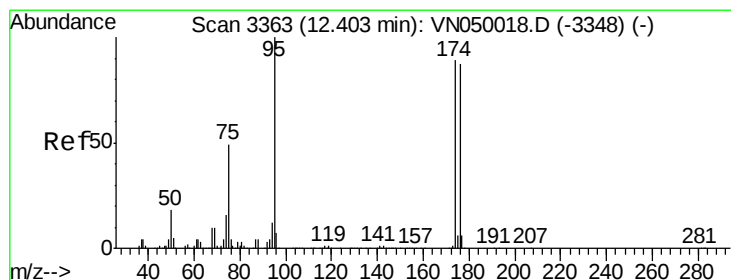
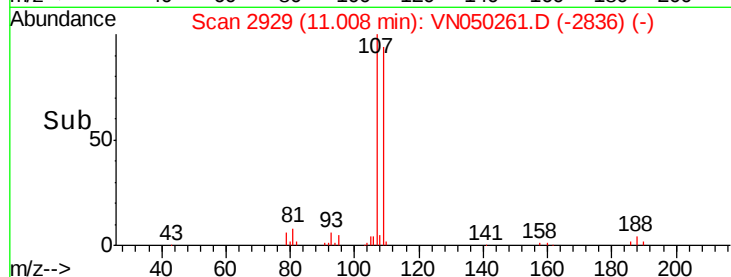
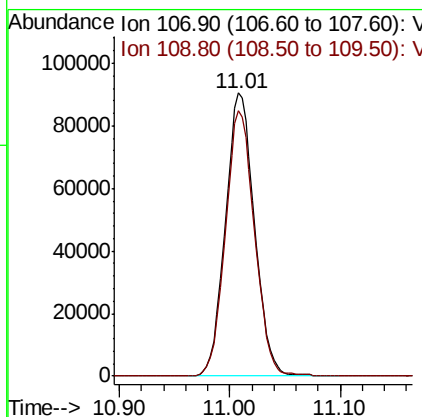
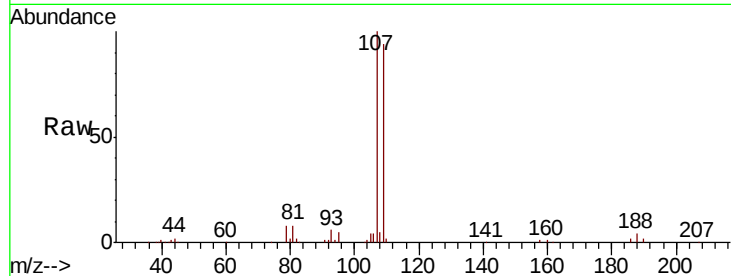
#61
1,2-Dibromoethane
Concen: 22.488 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion: 107 Resp: 165153
Ion Ratio Lower Upper
107 100
109 93.9 74.6 112.0

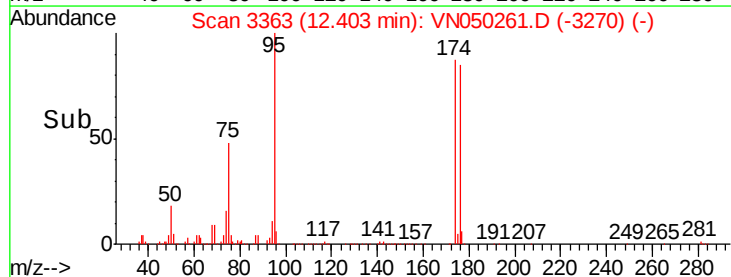
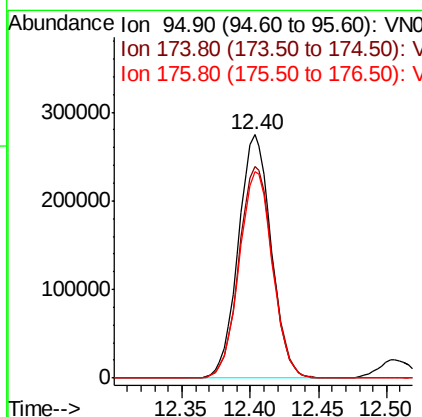
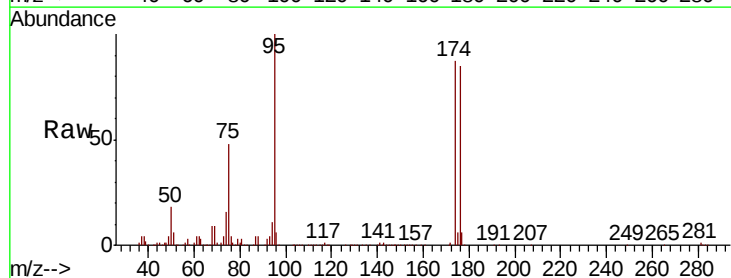
Manual Integrations
APPROVED

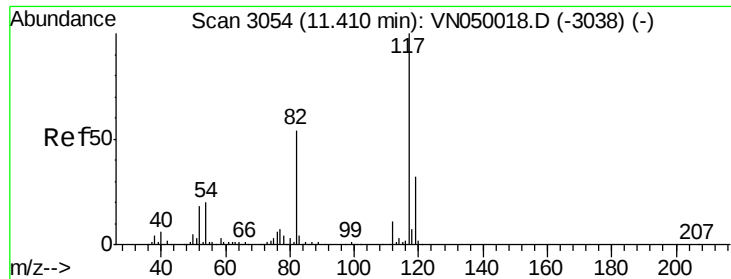
MMDadoda
8/3/2018 9:36:15 AM



#62
4-Bromofluorobenzene
Concen: 50.299 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion: 95 Resp: 458429
Ion Ratio Lower Upper
95 100
174 89.0 0.0 178.2
176 86.1 0.0 173.4





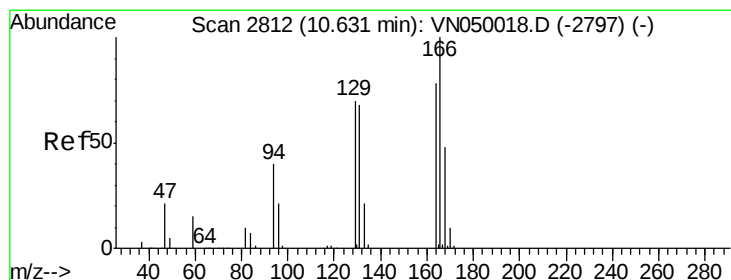
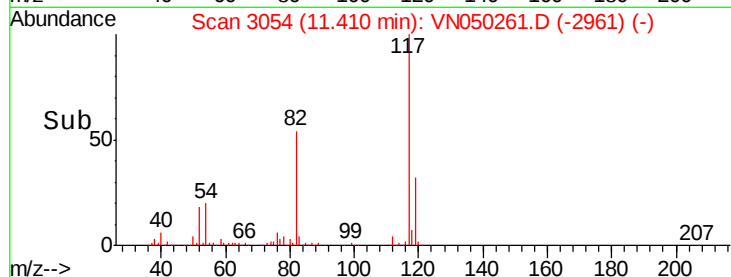
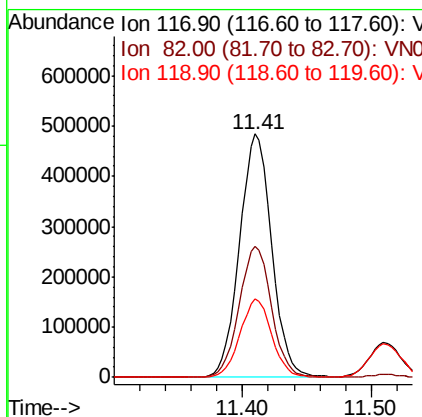
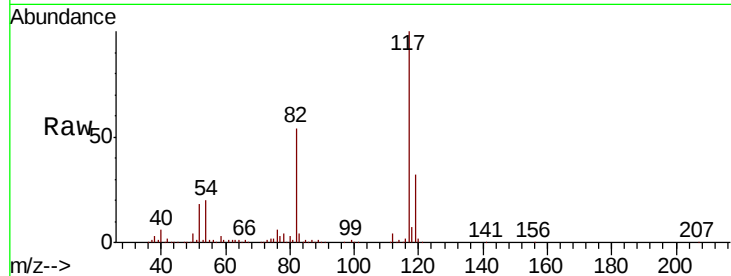
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	841615		
82	54.0		43.7	65.5
119	32.0		26.1	39.1

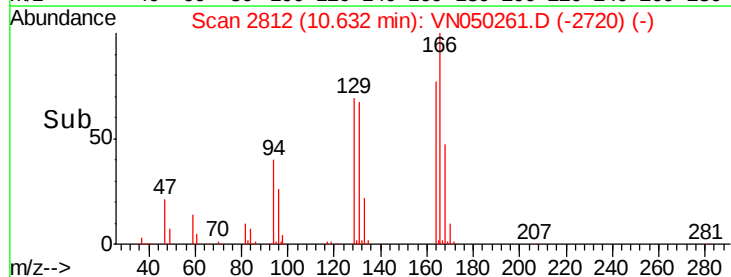
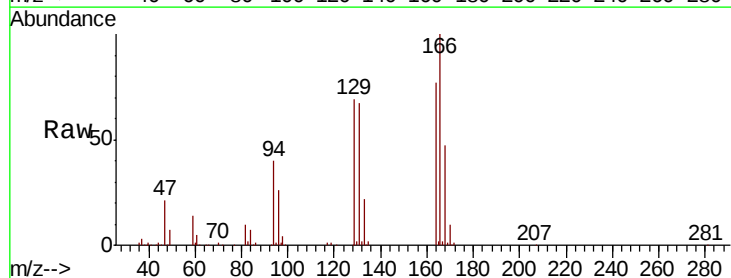
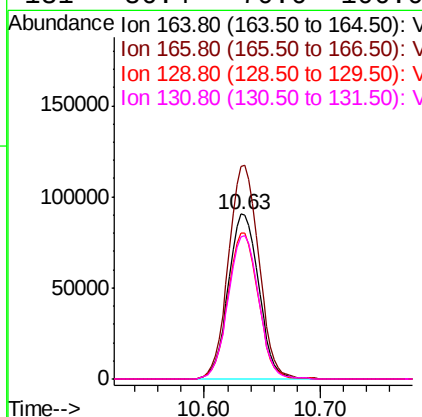
Manual Integrations
APPROVED

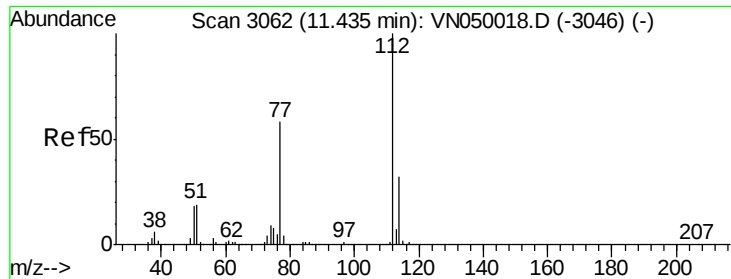
MMDadoda
8/3/2018 9:36:15 AM



#64
Tetrachloroethene
Concen: 20.388 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	164970		
166	129.1		102.1	153.1
129	89.0		73.2	109.8
131	86.4		70.6	106.0





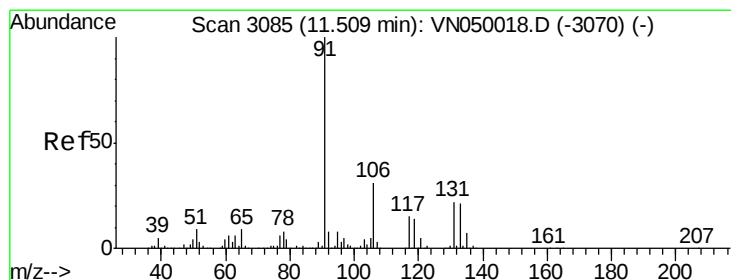
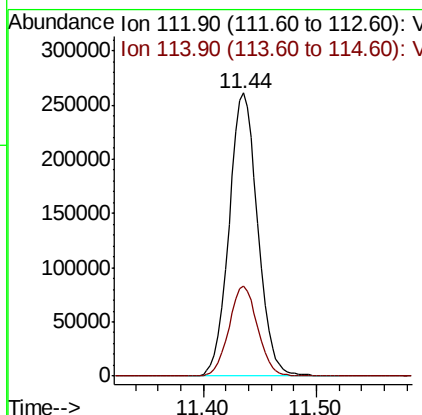
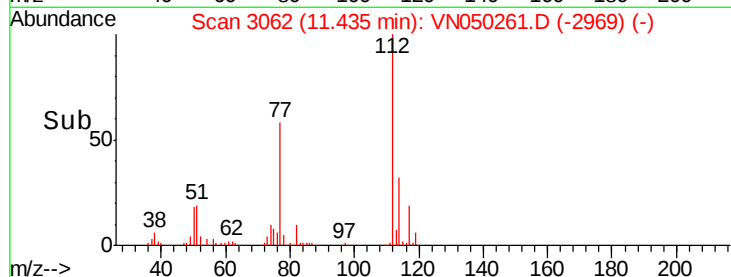
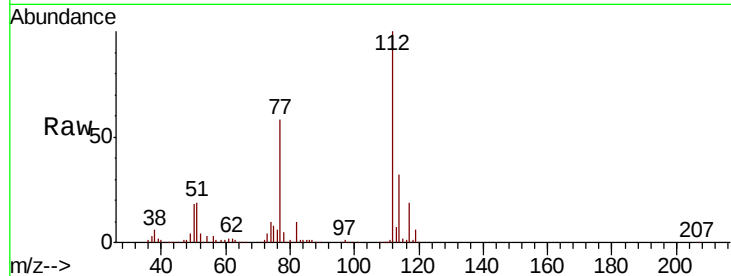
#65
Chlorobenzene
Concen: 21.585 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion:112 Resp: 458872
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4

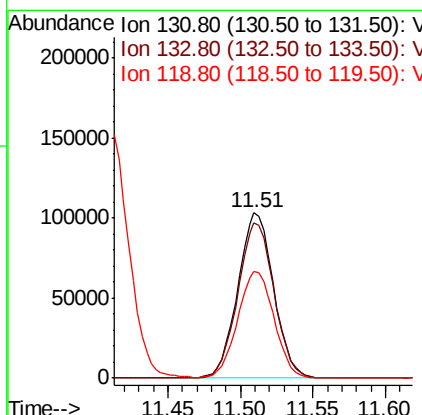
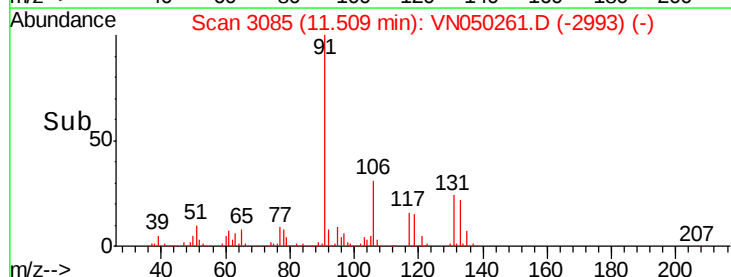
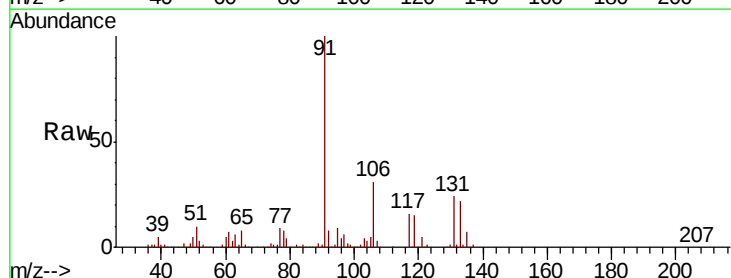
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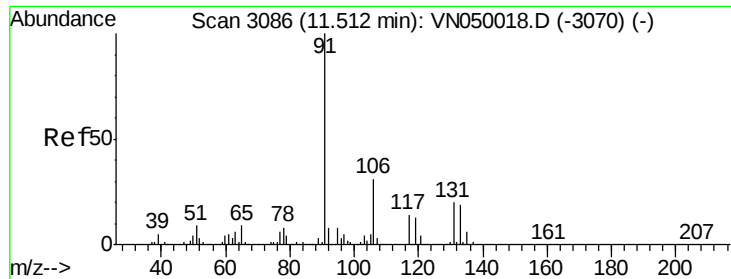
MMDadoda
8/3/2018 9:36:15 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.667 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion:131 Resp: 176985
Ion Ratio Lower Upper
131 100
133 95.1 47.3 141.9
119 66.0 32.9 98.7





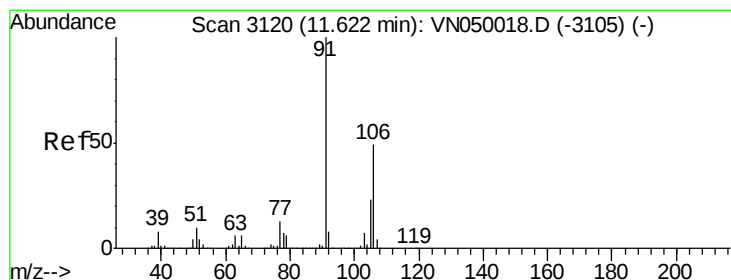
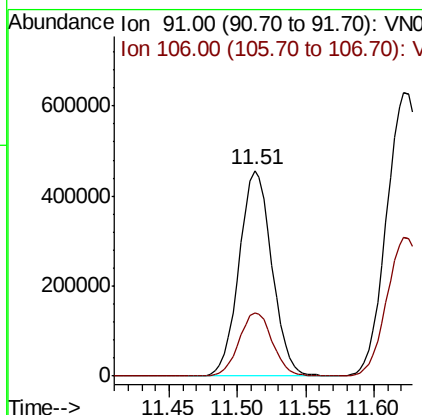
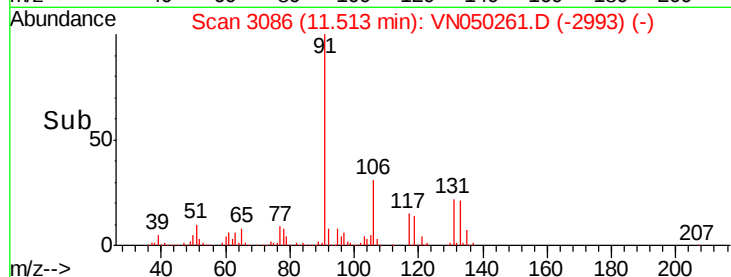
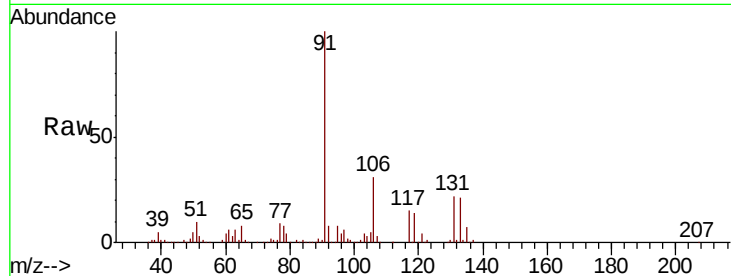
#67
Ethyl Benzene
Concen: 22.311 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion: 91 Resp: 761919
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4

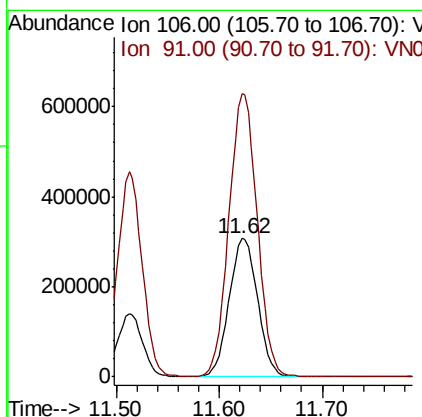
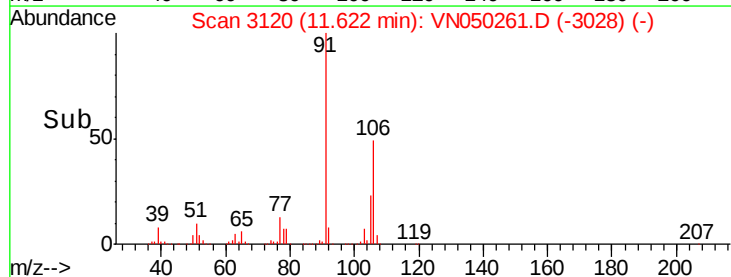
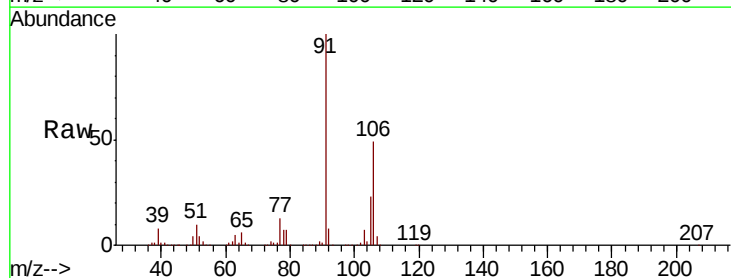
Manual Integrations
APPROVED

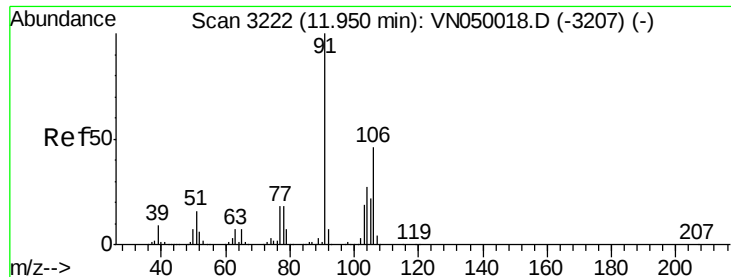
MMDadoda
8/3/2018 9:36:15 AM



#68
m/p-Xylenes
Concen: 45.738 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion: 106 Resp: 590793
Ion Ratio Lower Upper
106 100
91 203.2 162.2 243.2





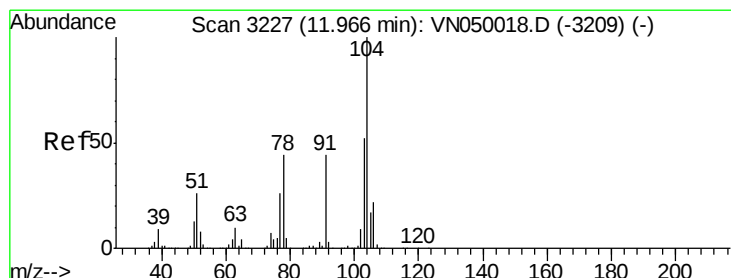
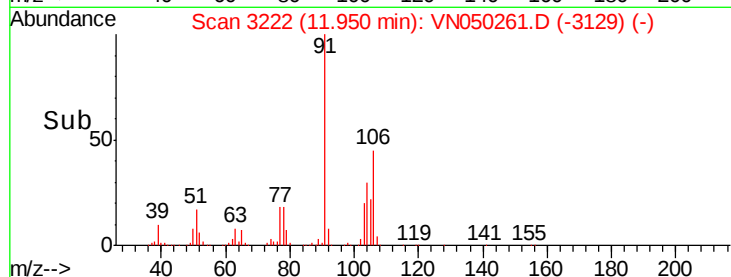
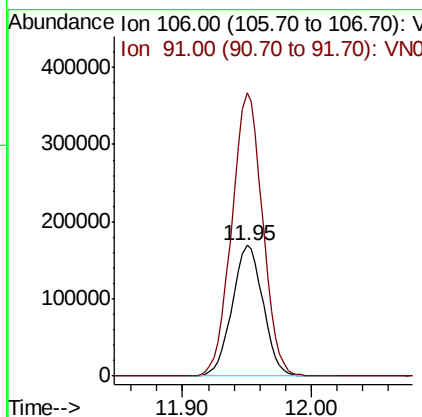
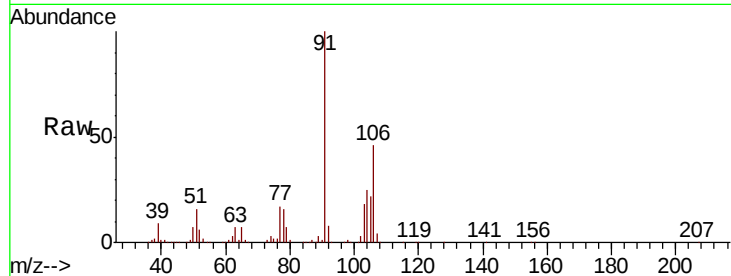
#69
o-Xylene
Concen: 22.855 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion:106 Resp: 281422
Ion Ratio Lower Upper
106 100
91 216.2 107.7 323.1

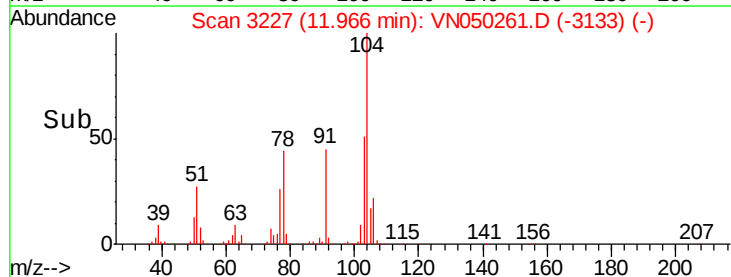
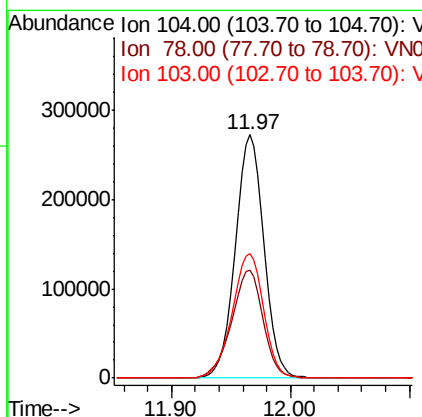
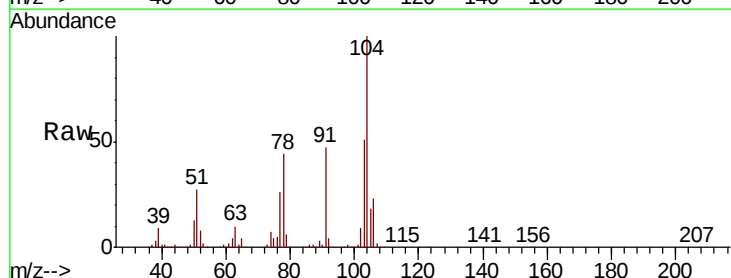
Manual Integrations
APPROVED

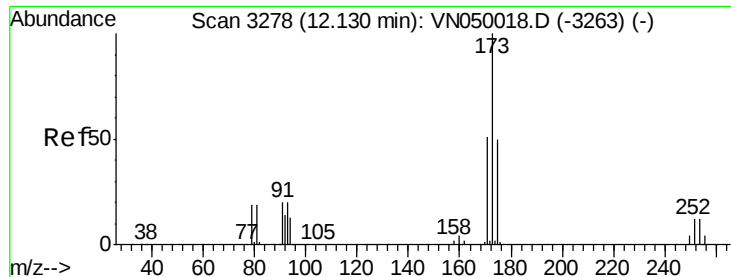
MMDadoda
8/3/2018 9:36:15 AM



#70
Styrene
Concen: 21.323 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion:104 Resp: 455162
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 56.2 45.0 67.6





#71

Bromoform

Concen: 22.203 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

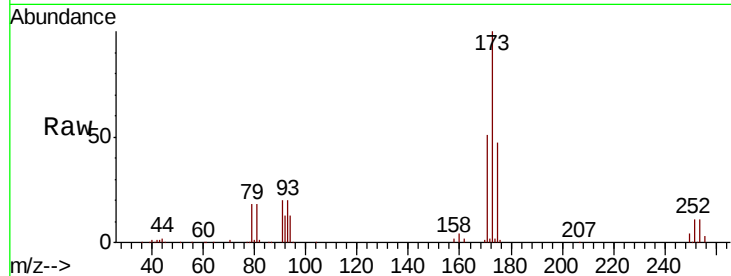
ClientSampled :

VN0802MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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8/3/2018 9:36:15 AM

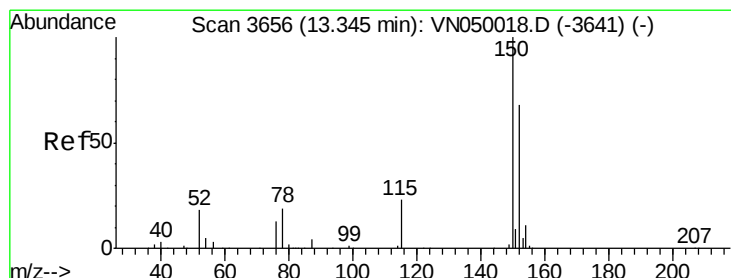
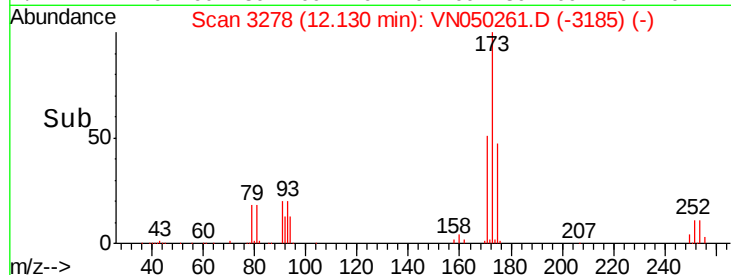
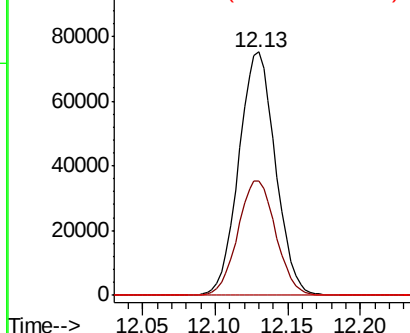


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

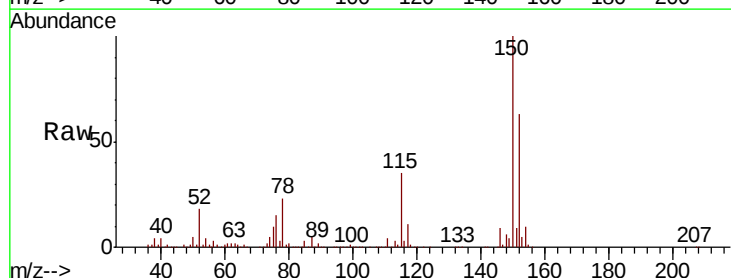
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.3
150	162.6	0.0	348.6

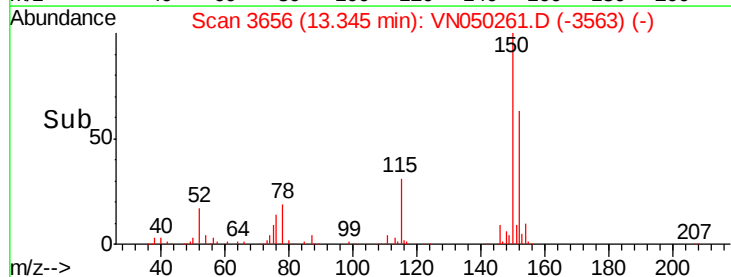
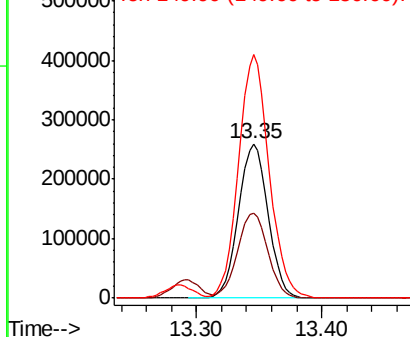


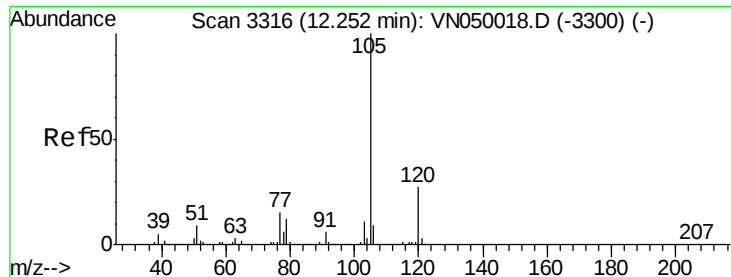
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





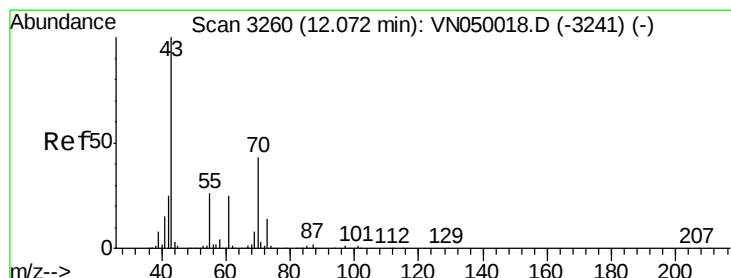
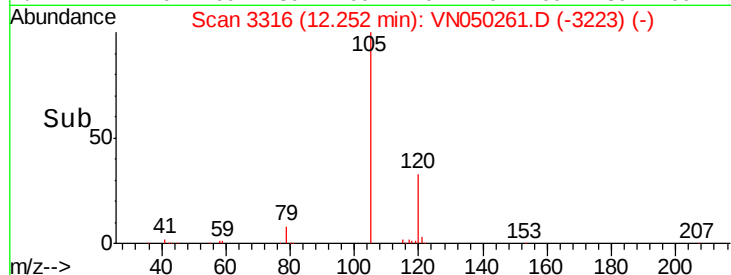
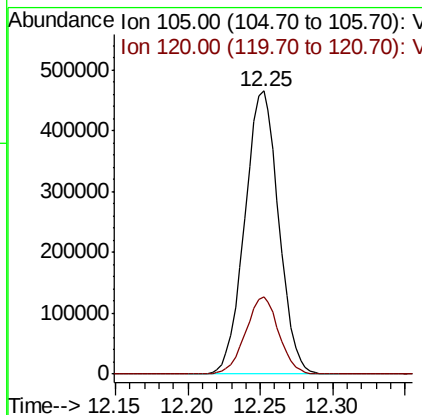
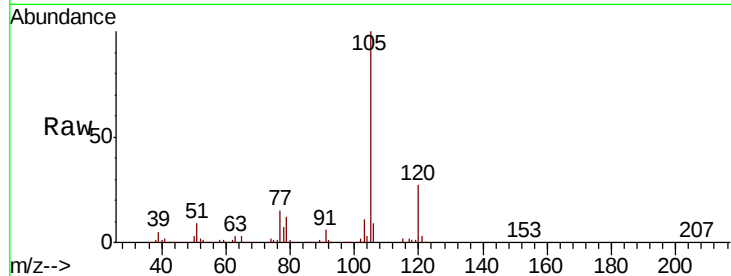
#73
Isopropylbenzene
Concen: 22.907 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampled :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.3	39.8

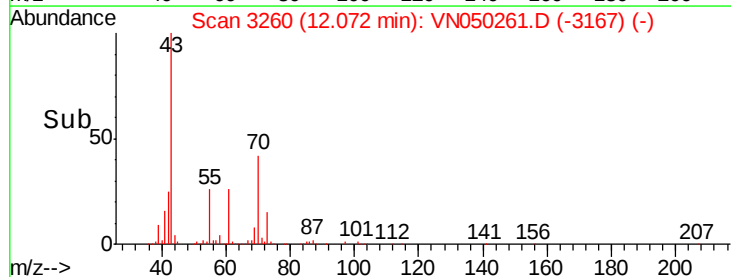
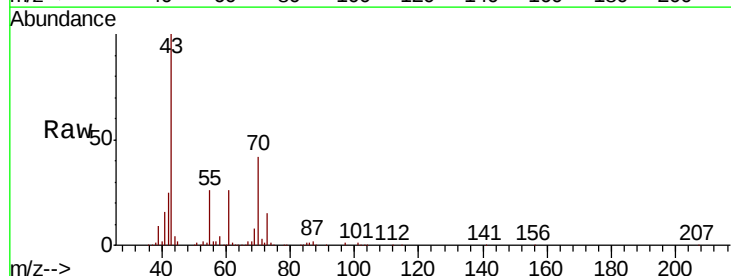
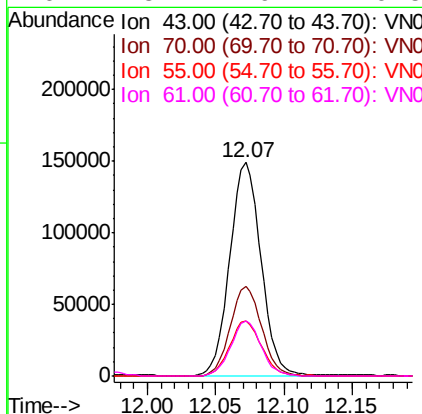
Manual Integrations
APPROVED

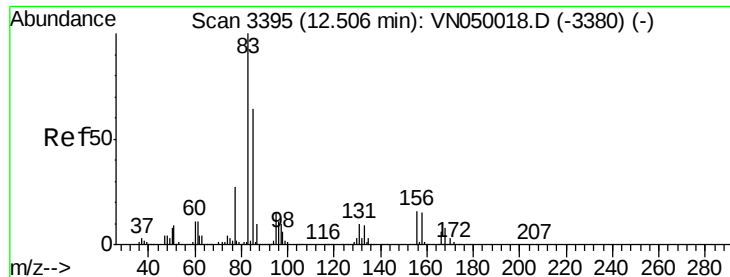
MMDadoda
8/3/2018 9:36:15 AM



#74
N-ethyl acetate
Concen: 23.425 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	34.4	51.6
55	26.2	20.8	31.2
61	25.1	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 24.537 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

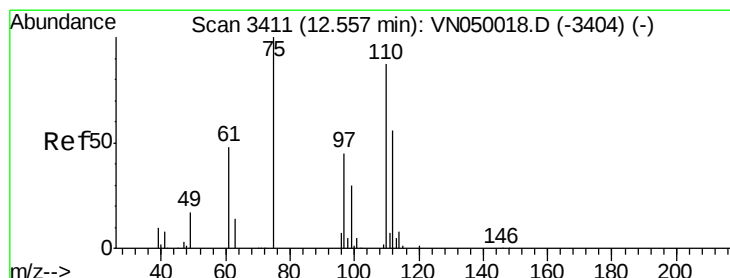
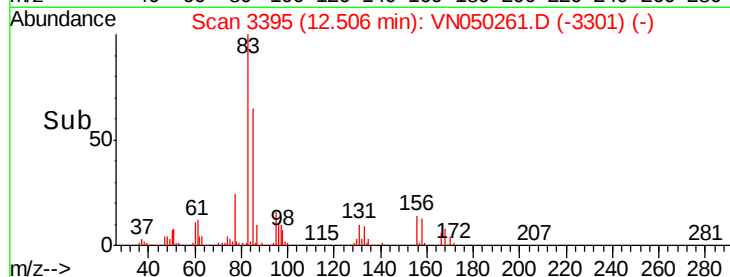
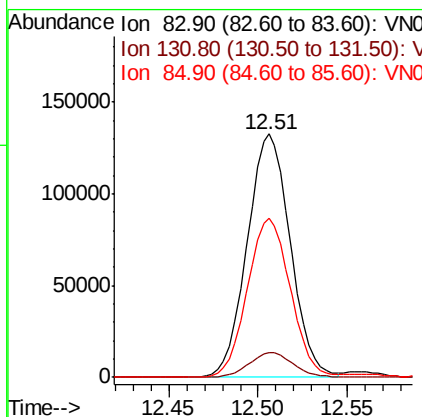
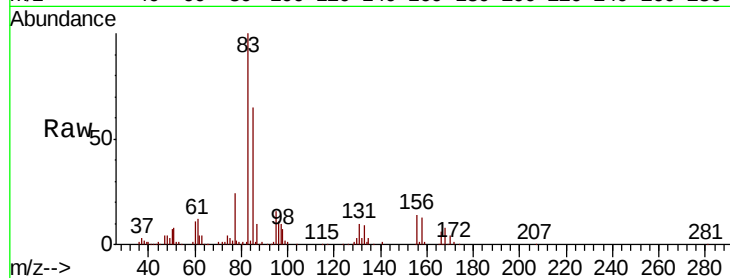
ClientSampleId :

VN0802MBS01

Tot Ion:	83	Resp:	224585
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	65.3	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:15 AM



#76

1,2,3-Trichloropropane

Concen: 22.980 ug/l m

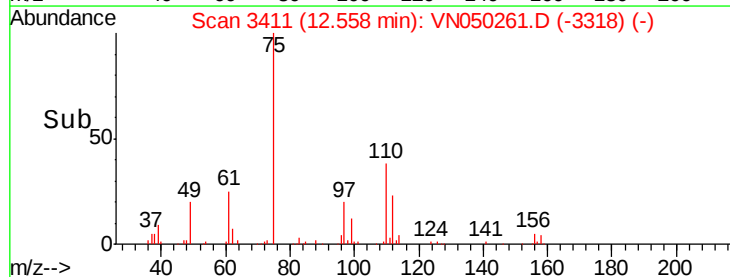
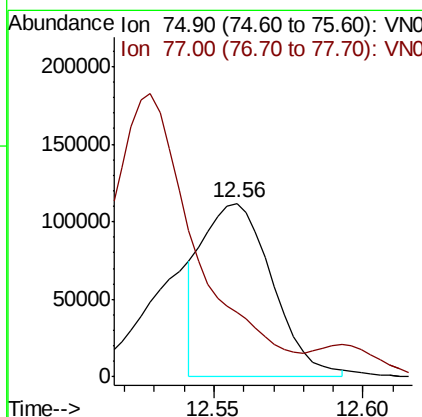
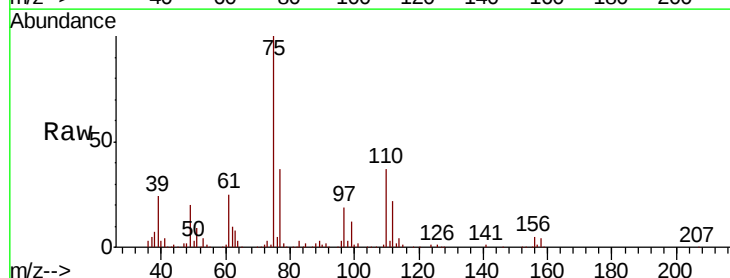
RT: 12.56 min Scan# 3411

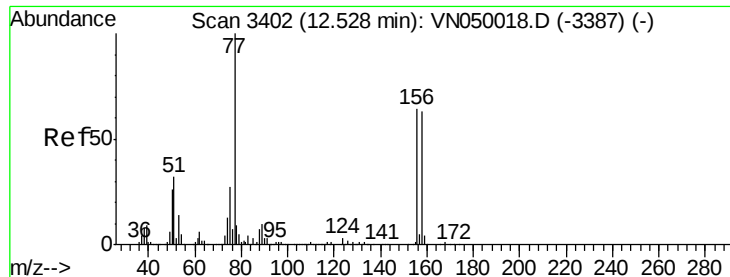
Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Tgt Ion:	75	Resp:	182025
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.100 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

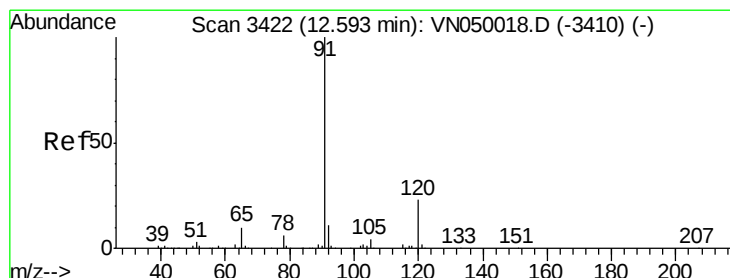
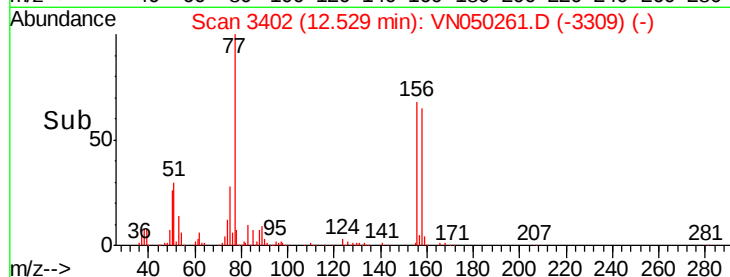
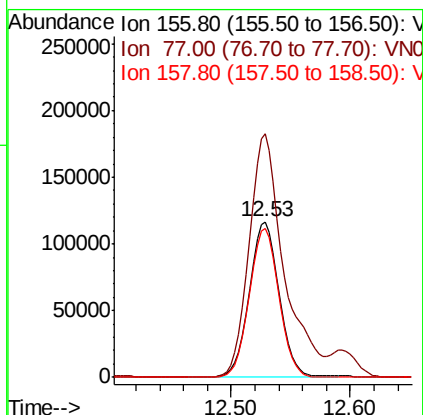
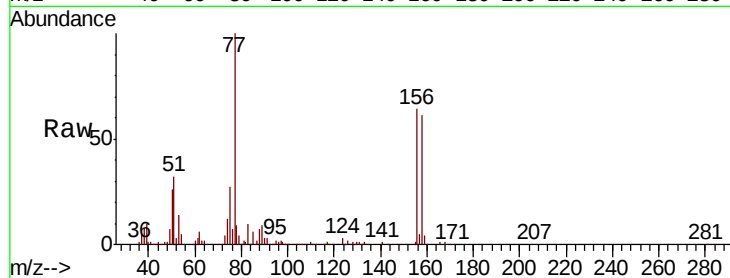
ClientSampleId :

VN0802MBS01

Tot Ion:	156	Resp:	202465
Ion Ratio	Lower	Upper	
156	100		
77	183.9	91.7	275.1
158	94.9	48.9	146.6

Manual Integrations
APPROVED

MMDadoda
8/3/2018 9:36:15 AM



#78

n-propylbenzene

Concen: 23.163 ug/l

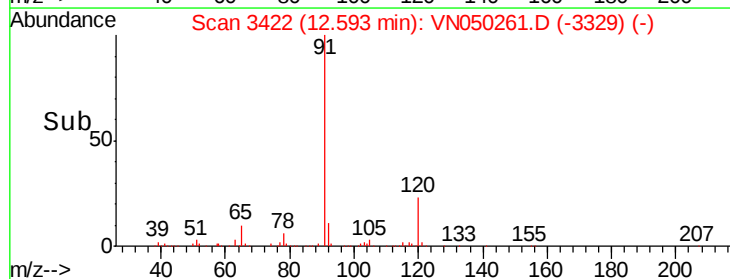
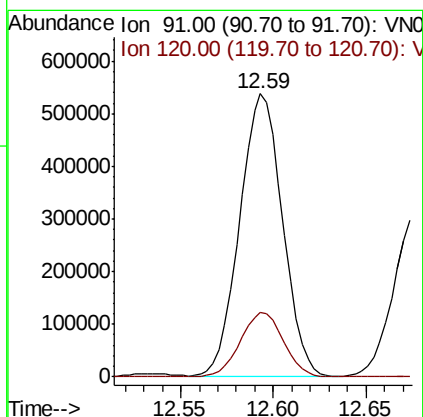
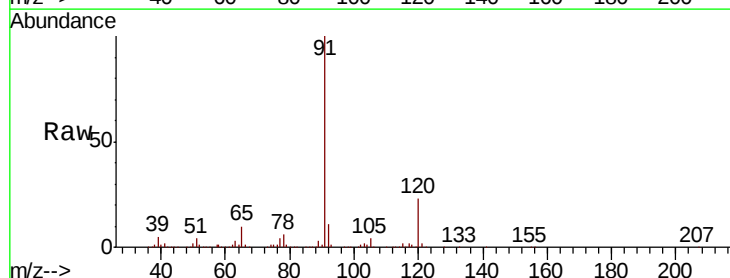
RT: 12.59 min Scan# 3422

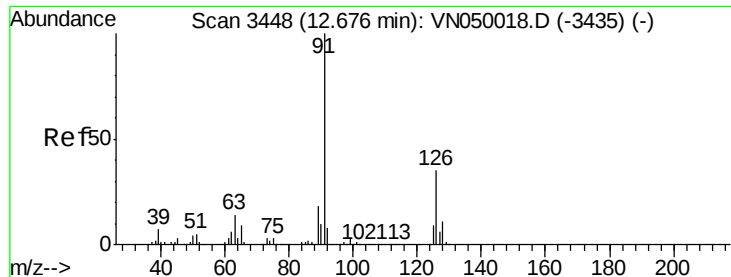
Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Tgt Ion:	91	Resp:	855789
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.6	34.7





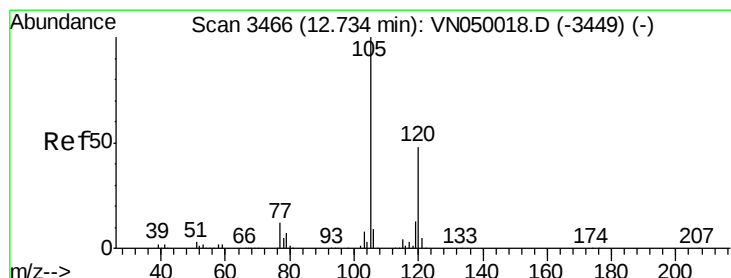
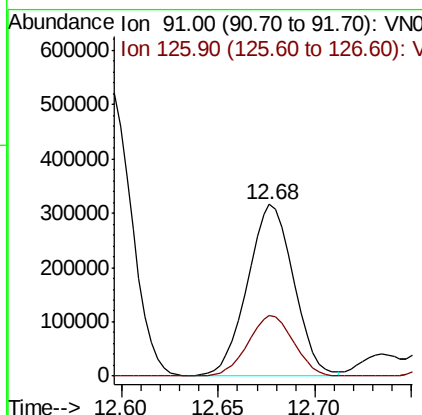
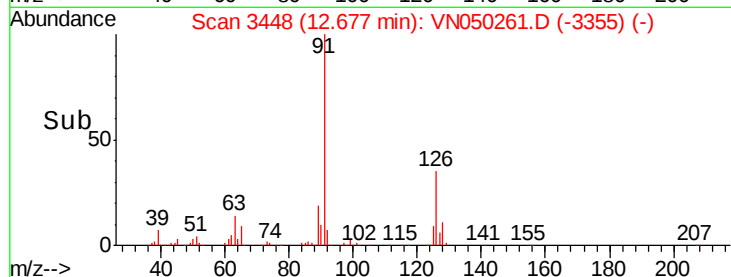
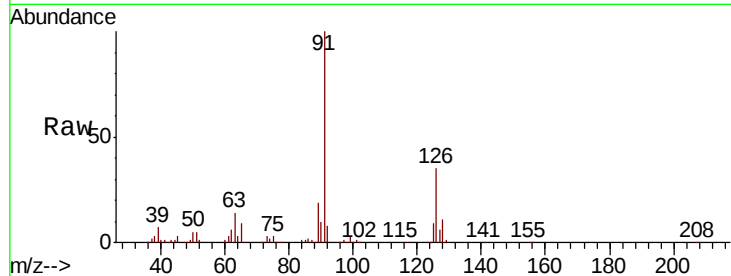
#79
 2-Chlorotoluene
 Concen: 22.830 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion: 91 Resp: 522798
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.6 52.8

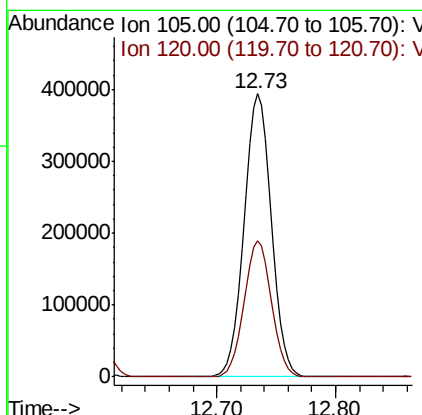
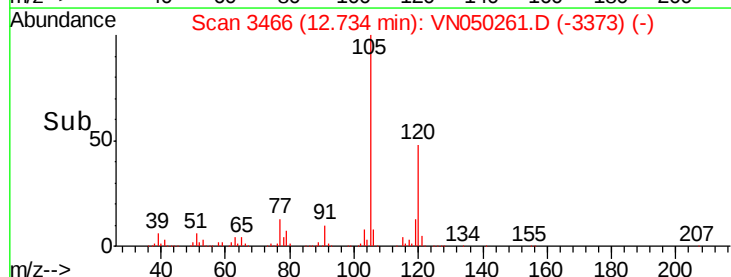
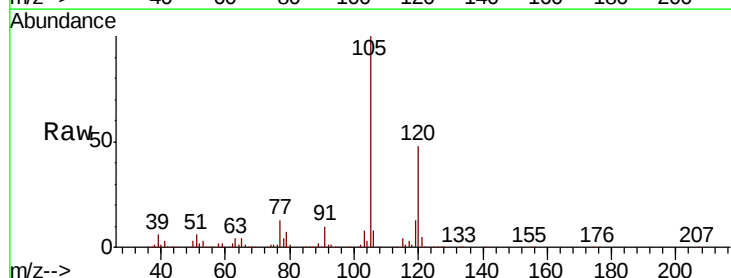
Manual Integrations
 APPROVED

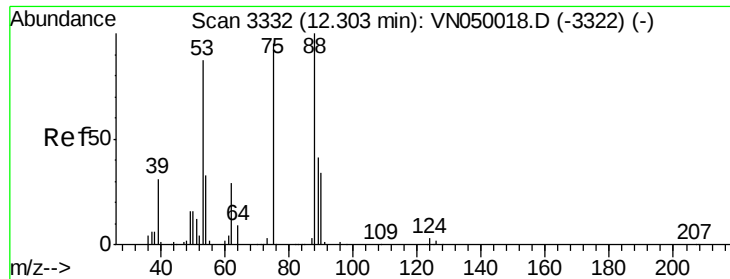
MMDadoda
 8/3/2018 9:36:15 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 23.913 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion: 105 Resp: 621765
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 23.300 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampleId :

VN0802MBS01

Tot Ion: 75 Resp: 58186

Ion Ratio Lower Upper

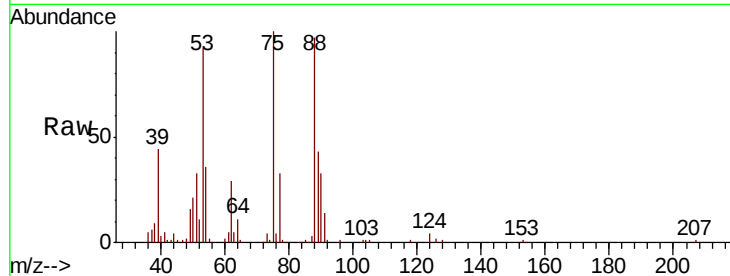
75 100

53 96.6 73.5 110.3

89 43.9 36.0 54.0

Manual Integrations
APPROVED

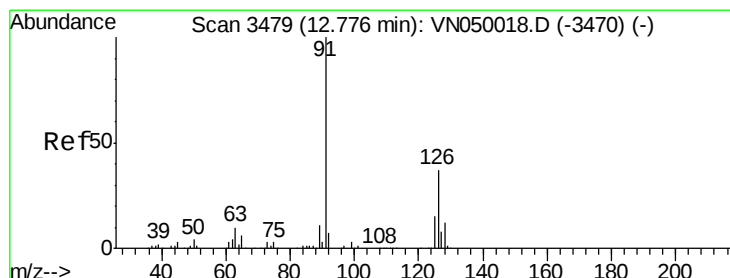
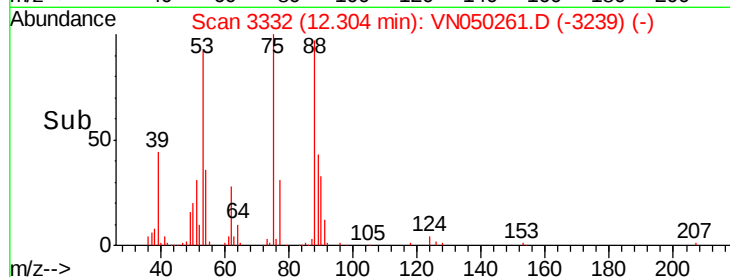
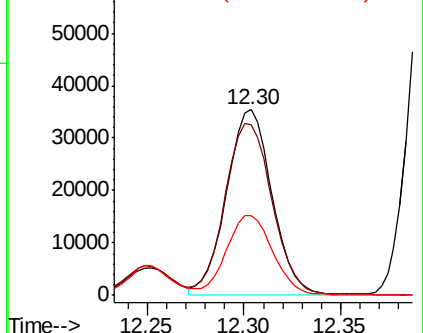
MMDadoda
8/3/2018 9:36:15 AM



Abundance Ion 74.90 (74.60 to 75.60): VN050018.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050018.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN050018.D (-3322) (-)



#82

4-Chlorotoluene

Concen: 23.018 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050261.D

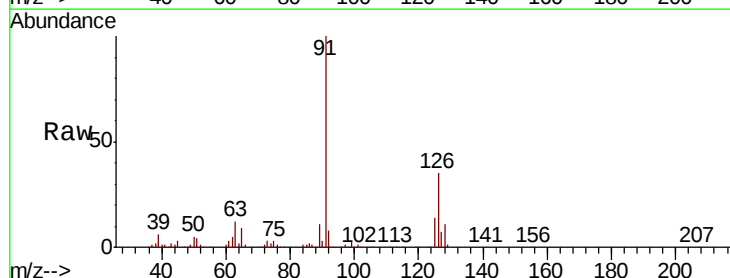
Acq: 2 Aug 2018 14:04

Tgt Ion: 91 Resp: 521989

Ion Ratio Lower Upper

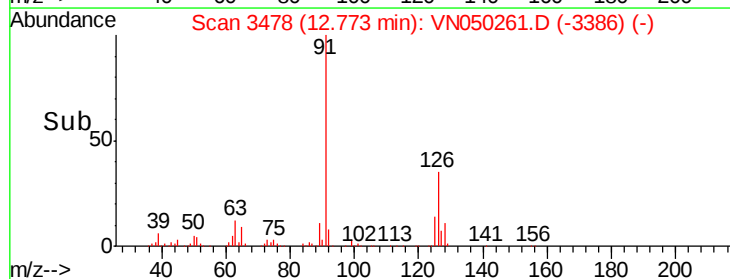
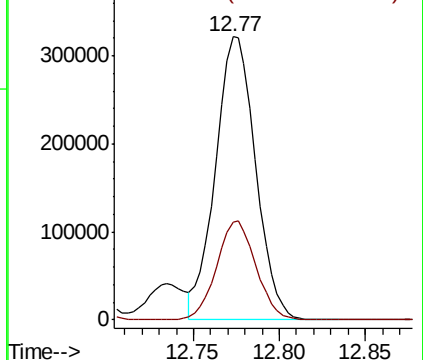
91 100

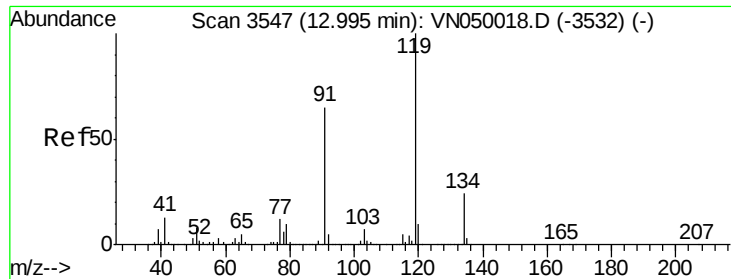
126 34.4 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3470) (-)





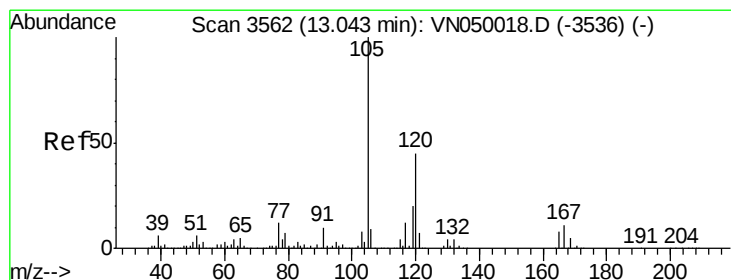
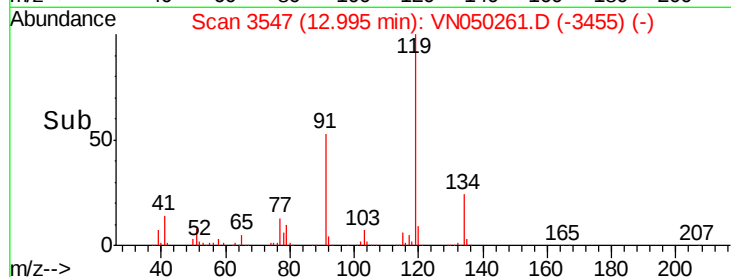
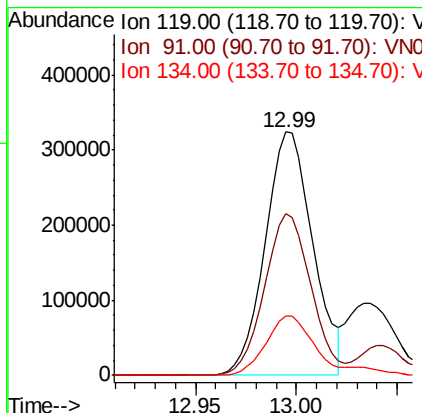
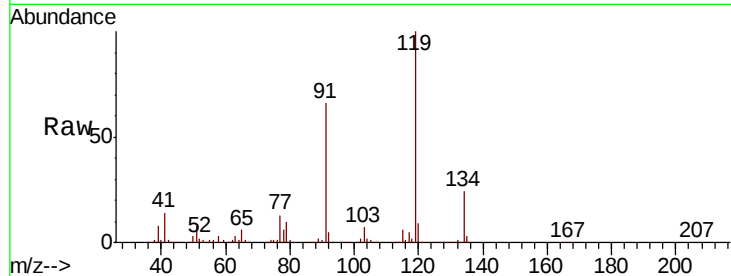
#83
 tert-Butylbenzene
 Concen: 23.448 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.1	96.3
134	24.6	13.2	39.5

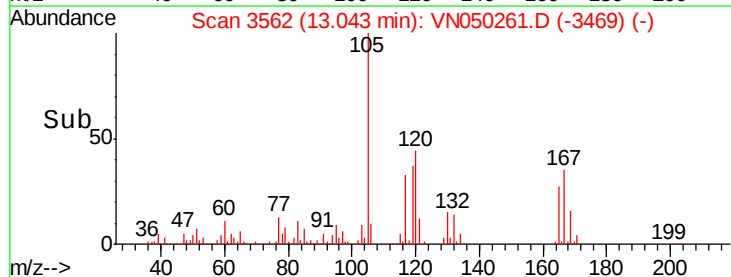
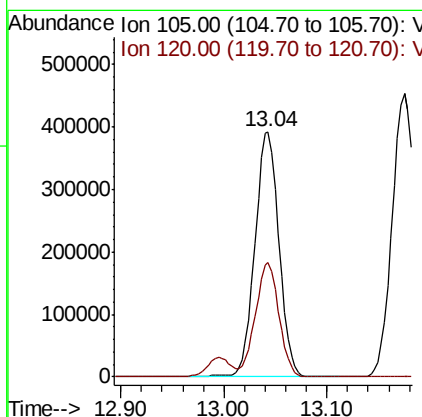
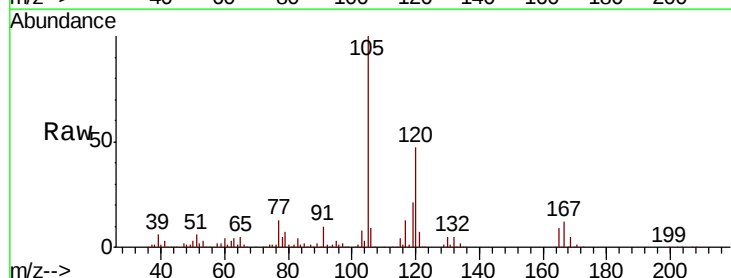
Manual Integrations
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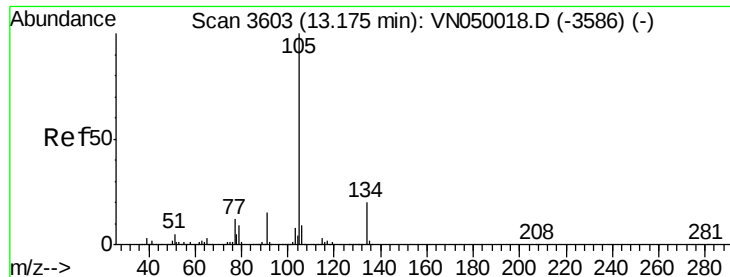
MMDadoda
 8/3/2018 9:36:15 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 24.115 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.7





#85

sec-Butylbenzene

Concen: 23.540 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

Instrument :

MSVOA_N

ClientSampled :

VN0802MBS01

Tot Ion:105 Resp: 713674

Ion Ratio Lower Upper

105 100

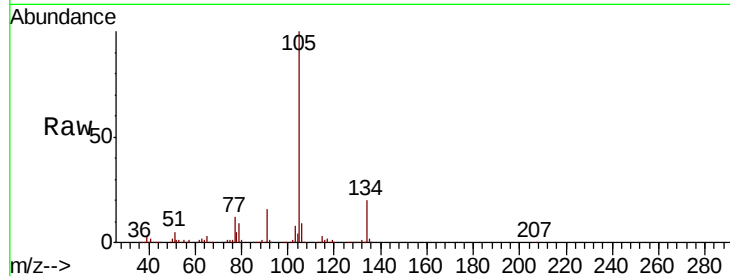
134 19.7 10.1 30.1

Manual Integrations

APPROVED

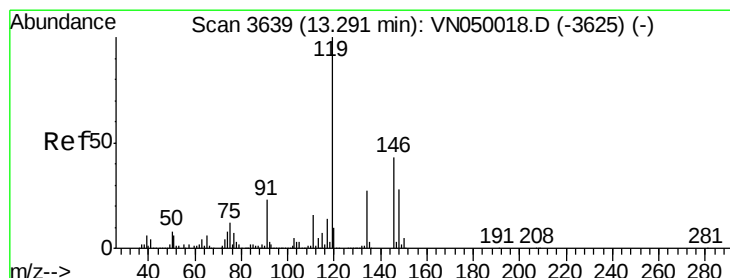
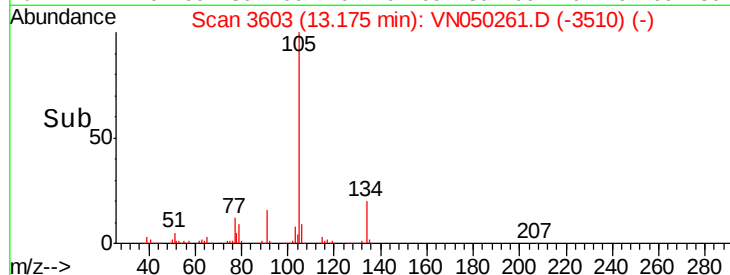
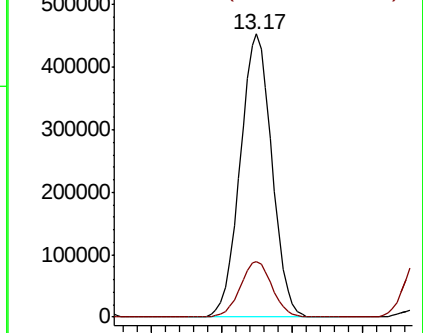
MMDadoda

8/3/2018 9:36:15 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.791 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050261.D

Acq: 2 Aug 2018 14:04

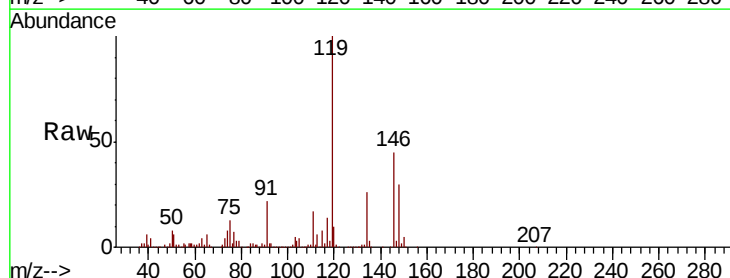
Tgt Ion:119 Resp: 607791

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

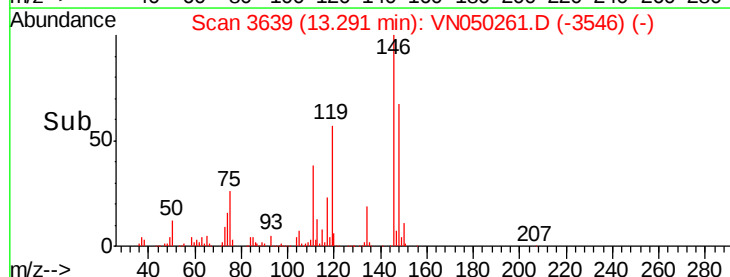
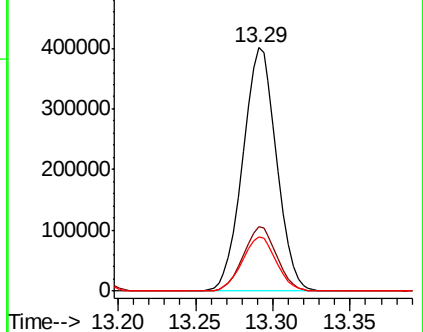
91 22.5 11.4 34.2



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





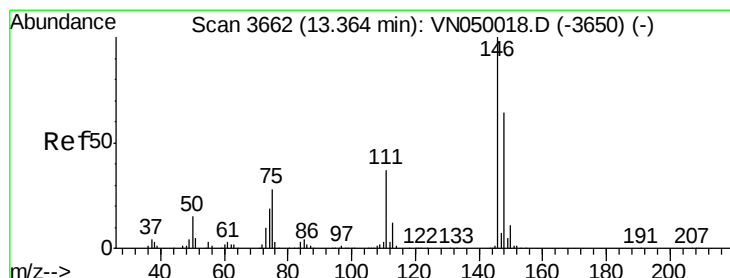
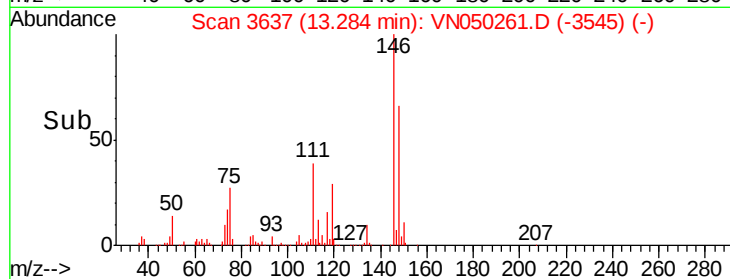
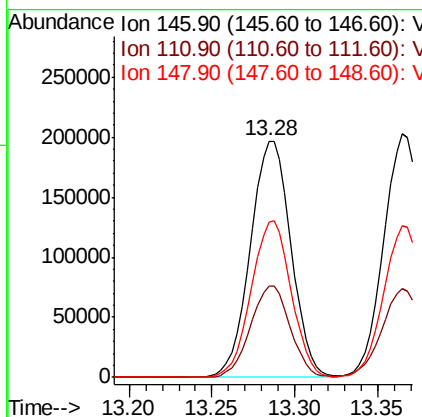
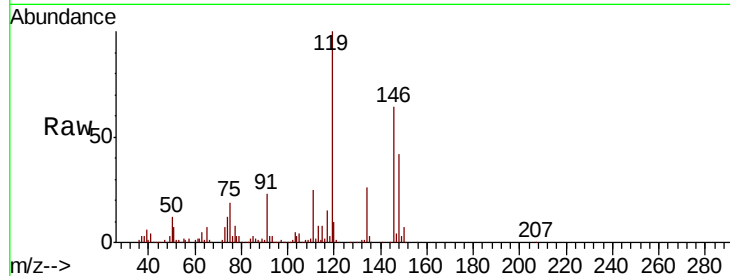
#87
 1,3-Dichlorobenzene
 Concen: 21.644 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.8	56.4
148	65.3	31.9	95.9

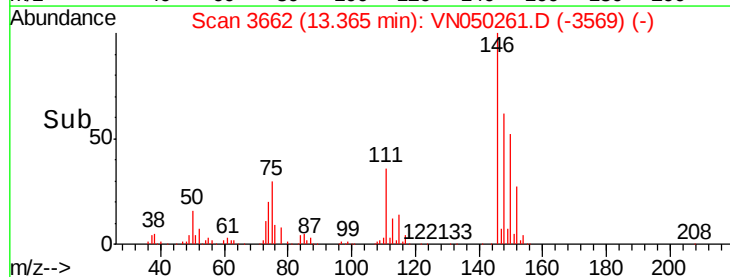
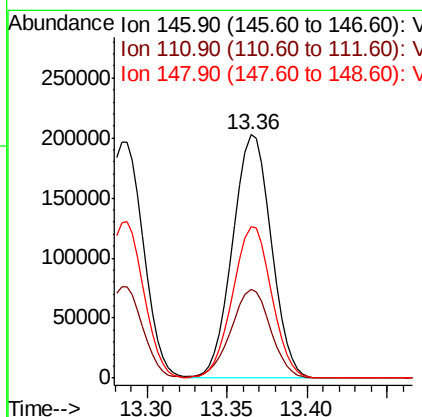
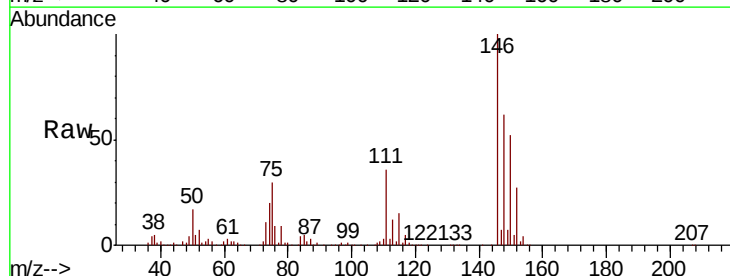
Manual Integrations
 APPROVED

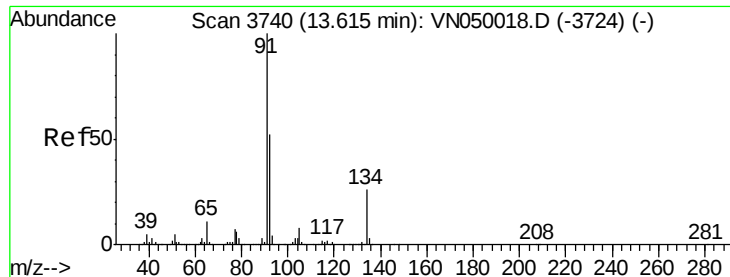
MMDadoda
 8/3/2018 9:36:15 AM



#88
 1,4-Dichlorobenzene
 Concen: 22.081 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.3	54.9
148	62.7	31.9	95.9





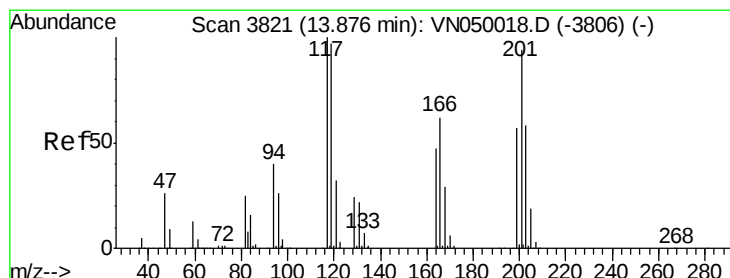
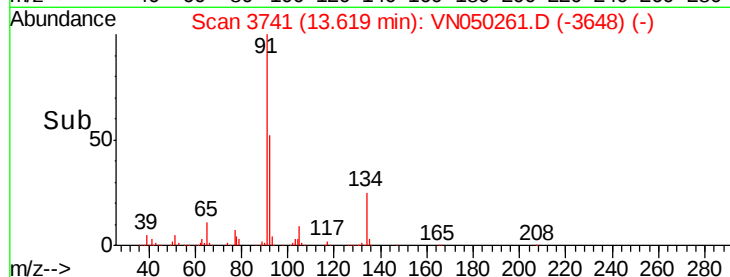
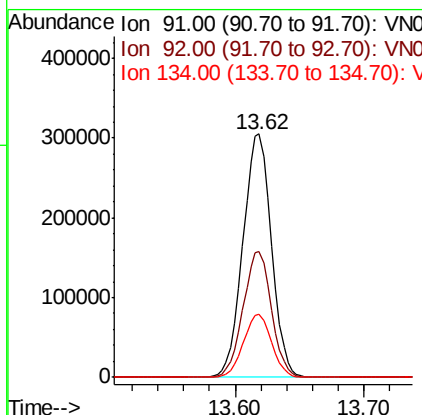
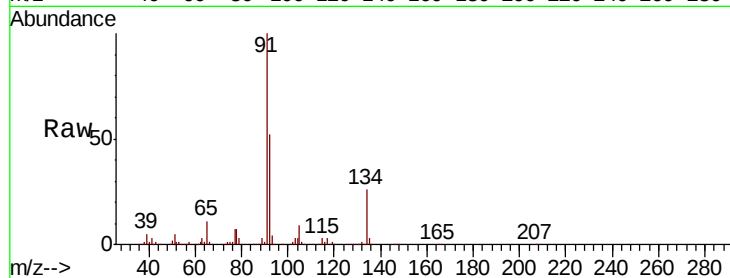
#89
n-Butylbenzene
Concen: 22.330 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.8	77.4
134	25.7	12.8	38.4

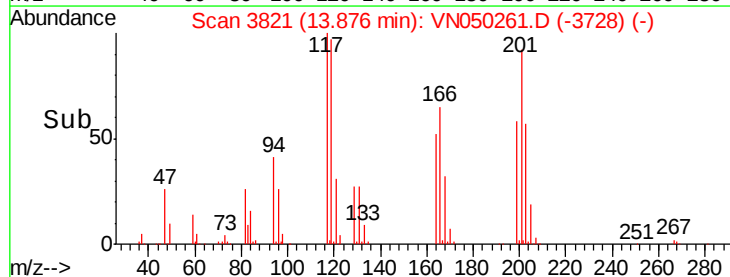
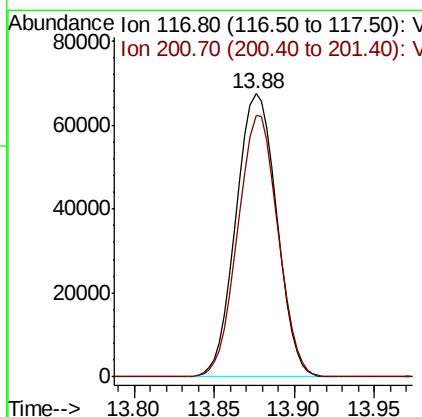
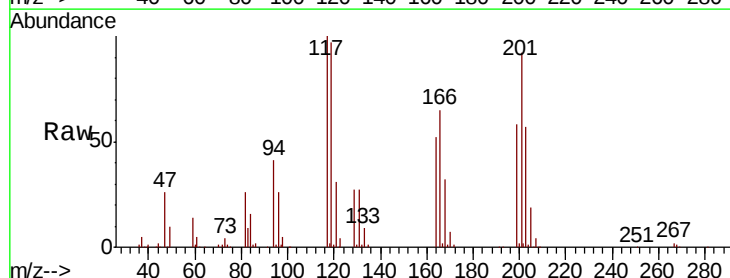
Manual Integrations
APPROVED

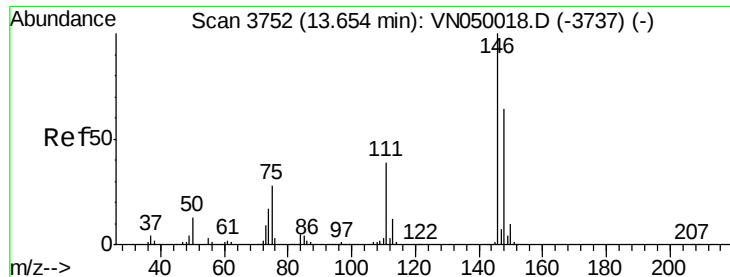
MMDadoda
8/3/2018 9:36:15 AM



#90
Hexachloroethane
Concen: 20.679 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	45.6	136.8





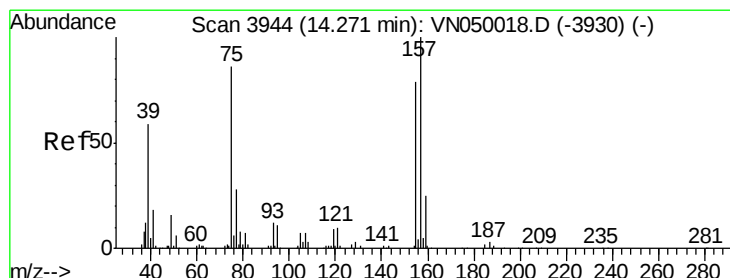
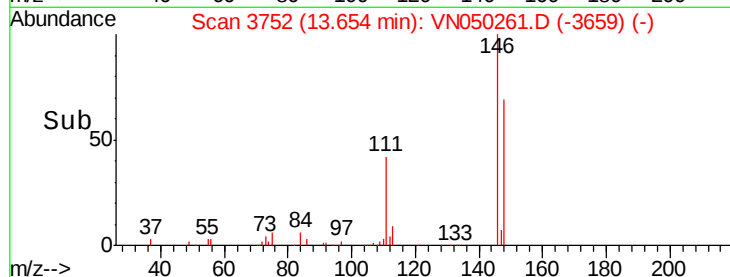
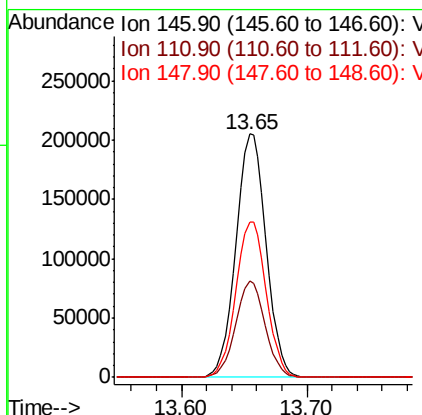
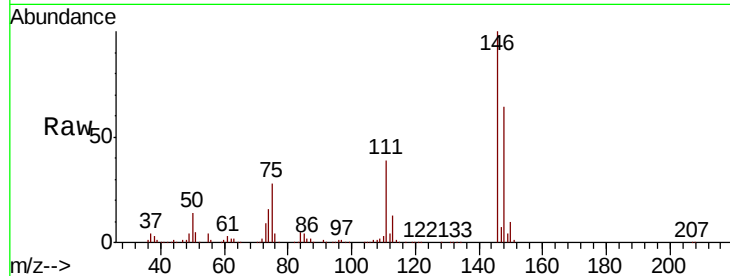
#91
 1,2-Dichlorobenzene
 Concen: 22.053 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	64.4	32.1	96.3

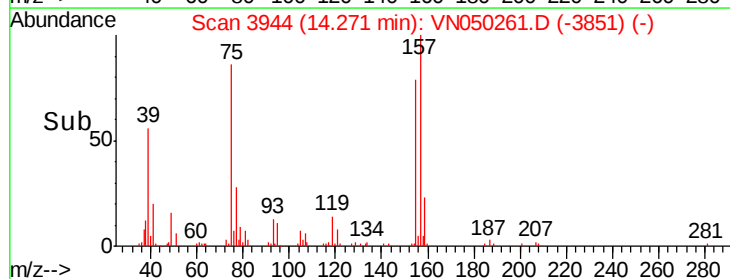
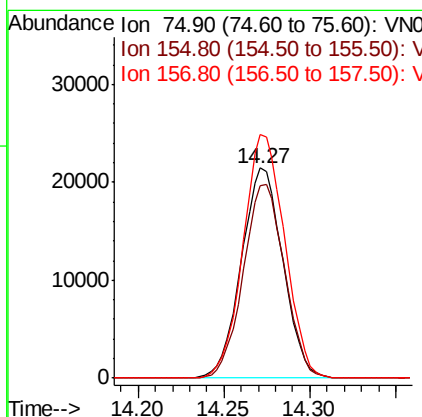
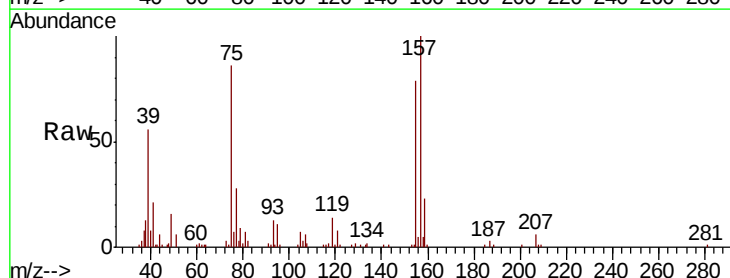
Manual Integrations
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 8/3/2018 9:36:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.025 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.2	44.8	134.4
157	115.7	57.2	171.6





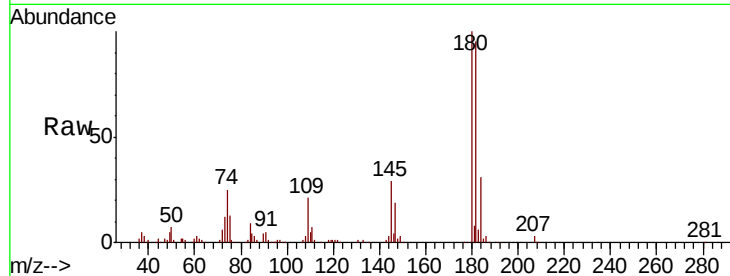
#93
 1,2,4-Trichlorobenzene
 Concen: 21.612 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Instrument :
 MSVOA_N
 ClientSampled :
 VN0802MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162565		
182	94.6	46.7	140.1	
145	28.9	13.8	41.4	

Manual Integrations
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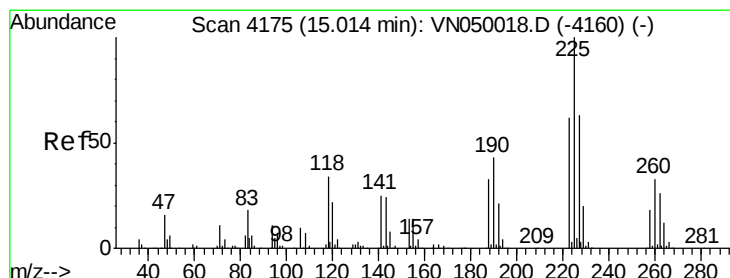
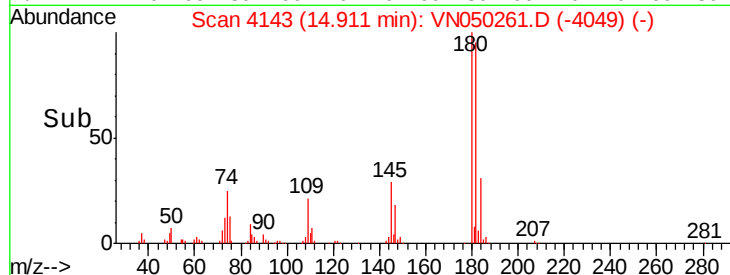
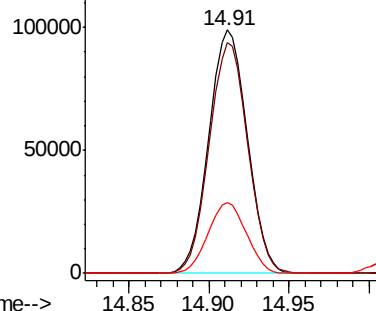


Abundance

Ion 179.80 (179.50 to 180.50): V

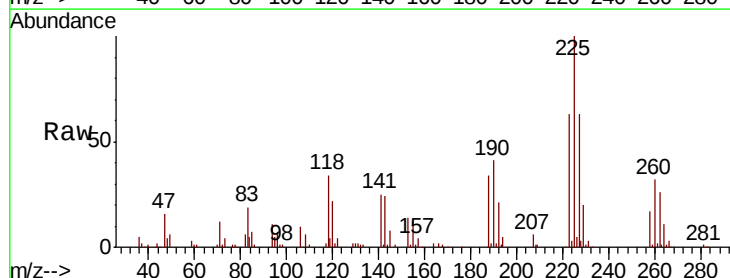
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.947 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050261.D
 Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104308		
223	61.5	31.4	94.2	
227	62.5	32.1	96.5	

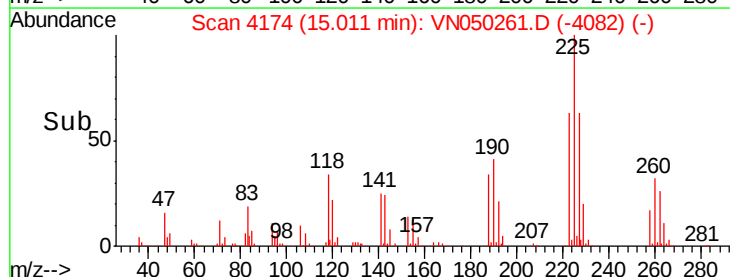
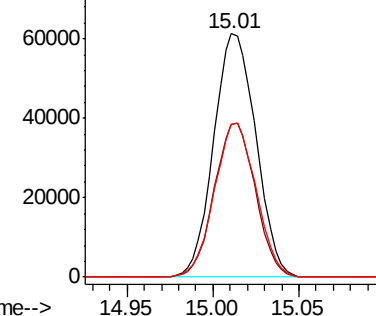


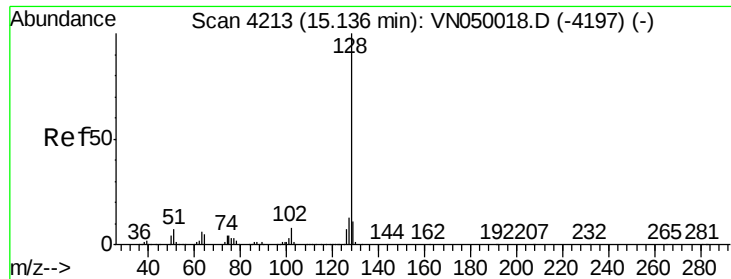
Abundance

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





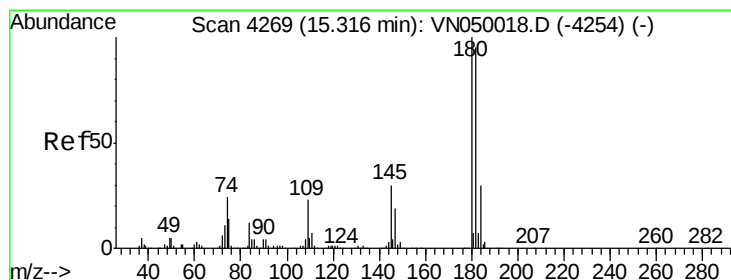
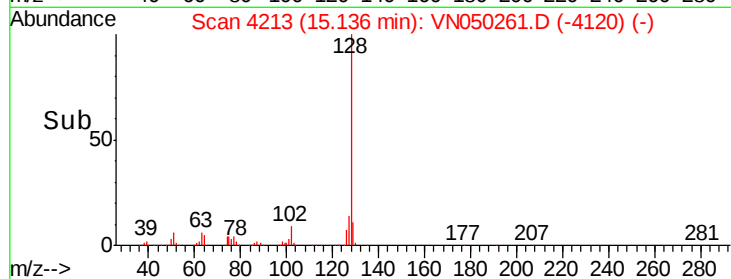
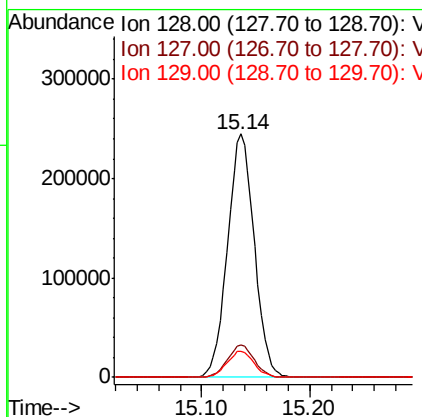
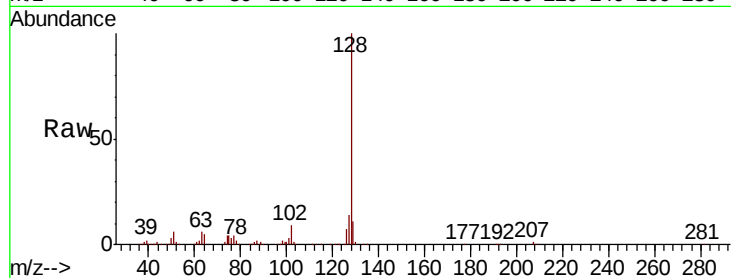
#95
Naphthalene
Concen: 24.224 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Instrument :
MSVOA_N
ClientSampleId :
VN0802MBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.8	13.2

Manual Integrations
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8/3/2018 9:36:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.021 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050261.D
Acq: 2 Aug 2018 14:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.1	144.4
145	29.8	15.3	45.9

