

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010819\
 Data File : VN053310.D
 Acq On : 8 Jan 2019 11:30
 Operator : MD\SY
 Sample : VN0108MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Manual Integrations
 APPROVED

MMDadoda
 1/9/2019 10:57:36 AM

Quant Time: Jan 09 00:33:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1458074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1324792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	614873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	464321	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
35) Dibromofluoromethane	7.59	113	386111	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
50) Toluene-d8	10.09	98	1693520	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	12.40	95	605897	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	153145	18.357	ug/l	98
3) Chloromethane	2.06	50	205640	17.651	ug/l	100
4) Vinyl Chloride	2.19	62	211075	18.982	ug/l	98
5) Bromomethane	2.54	94	133972	18.438	ug/l	100
6) Chloroethane	2.70	64	120901	18.013	ug/l	100
7) Trichlorofluoromethane	3.02	101	270750	18.798	ug/l	99
8) Diethyl Ether	3.41	74	109545	19.404	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172281	18.873	ug/l	99
10) Methyl Iodide	3.96	142	254655	19.902	ug/l	99
11) Tert butyl alcohol	4.78	59	47278	79.839	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	169560	19.203	ug/l	97
13) Acrolein	3.61	56	71353	95.834	ug/l	99
14) Allyl chloride	4.33	41	273351	19.208	ug/l	97
15) Acrylonitrile	4.99	53	328663	92.975	ug/l	99
16) Acetone	3.81	43	223178	92.784	ug/l	99
17) Carbon Disulfide	4.06	76	471333	17.314	ug/l	99
18) Methyl Acetate	4.32	43	155993	17.507	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	479686	19.357	ug/l	97
20) Methylene Chloride	4.55	84	198532	18.776	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	182254	19.224	ug/l	99
22) Diisopropyl ether	5.95	45	592443	19.324	ug/l	98
23) Vinyl Acetate	5.90	43	1834902	95.119	ug/l	99
24) 1,1-Dichloroethane	5.85	63	342834	19.389	ug/l	100
25) 2-Butanone	6.83	43	367650	91.023	ug/l	100
26) 2,2-Dichloropropane	6.83	77	244986	18.954	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	209990	19.396	ug/l	98
28) Bromochloromethane	7.20	49	151611	20.121	ug/l	97
29) Tetrahydrofuran	7.21	42	246548	92.499	ug/l	99
30) Chloroform	7.37	83	332274	19.092	ug/l	100
31) Cyclohexane	7.66	56	325118	19.229	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	277237	19.116	ug/l	99
36) 1,1-Dichloropropene	7.80	75	262238	19.265	ug/l	99
37) Ethyl Acetate	6.93	43	167686	18.913	ug/l	100
38) Carbon Tetrachloride	7.77	117	236337	18.811	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	286105	18.143	ug/l	99
40) Benzene	8.04	78	808502	19.445	ug/l	100
41) Methacrylonitrile	7.17	41	93056	16.905	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	238074	19.303	ug/l	100
43) Isopropyl Acetate	8.17	43	304268	17.444	ug/l	100
44) Trichloroethene	8.84	130	220753	19.335	ug/l	100
45) 1,2-Dichloropropane	9.12	63	211134	19.360	ug/l	100
46) Dibromomethane	9.21	93	122351	19.242	ug/l	99
47) Bromodichloromethane	9.40	83	247229	18.658	ug/l	99
48) Methyl methacrylate	9.20	41	150394	18.979	ug/l	98
49) 1,4-Dioxane	9.20	88	23742	281.212	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	831196	94.762	ug/l	100
52) Toluene	10.16	92	499982	19.600	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	255701	18.863	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	302169	19.290	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	177612	18.936	ug/l	98
56) Ethyl methacrylate	10.43	69	241475	19.811	ug/l	98
57) 1,3-Dichloropropane	10.71	76	307776	19.622	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	639961	97.117	ug/l	100
59) 2-Hexanone	10.75	43	570788	94.976	ug/l	99
60) Dibromochloromethane	10.90	129	188316	18.615	ug/l	100
61) 1,2-Dibromoethane	11.01	107	177787	19.208	ug/l	99
64) Tetrachloroethene	10.63	164	236121	18.937	ug/l	99
65) Chlorobenzene	11.43	112	562225	19.536	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	187770	18.641	ug/l	99
67) Ethyl Benzene	11.51	91	959868	19.628	ug/l	99
68) m/p-Xylenes	11.62	106	731295	39.769	ug/l	100
69) o-Xylene	11.95	106	360731	20.038	ug/l	99
70) Styrene	11.96	104	590825	20.165	ug/l	100
71) Bromoform	12.13	173	128335	18.037	ug/l #	98
73) Isopropylbenzene	12.25	105	929838	20.311	ug/l	100
74) N-amyl acetate	12.07	43	295280	21.601	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	208049	19.756	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	180807m	20.161	ug/l	
77) Bromobenzene	12.53	156	271096	22.188	ug/l	89
78) n-propylbenzene	12.59	91	1062018	20.509	ug/l	99
79) 2-Chlorotoluene	12.68	91	634272	20.243	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	748379	20.295	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	58114	19.065	ug/l	96
82) 4-Chlorotoluene	12.77	91	649527	20.216	ug/l	99
83) tert-Butylbenzene	12.99	119	638232	19.727	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	756156	20.128	ug/l	99
85) sec-Butylbenzene	13.17	105	857599	20.100	ug/l	99
86) p-Isopropyltoluene	13.29	119	745754	20.187	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	416549	19.360	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	418589	19.612	ug/l	97
89) n-Butylbenzene	13.62	91	633373	20.450	ug/l	99
90) Hexachloroethane	13.88	117	105319	17.787	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	387916	19.247	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24178	18.929	ug/l	96

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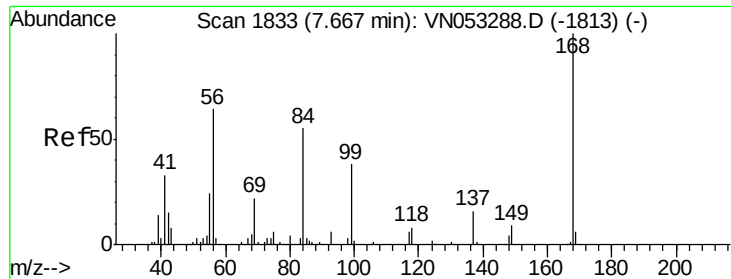
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	128186	20.228	ug/l #	80
94) Hexachlorobutadiene	15.01	225	94079	18.150	ug/l	98
95) Naphthalene	15.13	128	247559	22.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	97692	23.546	ug/l #	39

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion:168 Resp: 946310

Ion Ratio Lower Upper

168 100

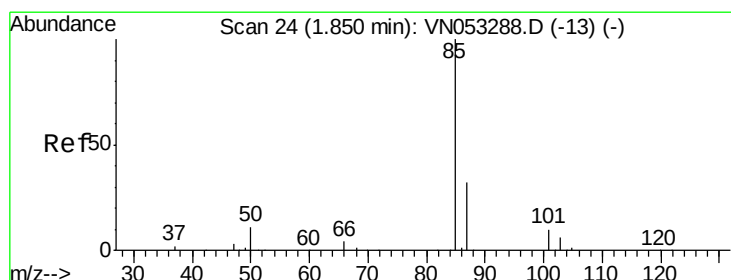
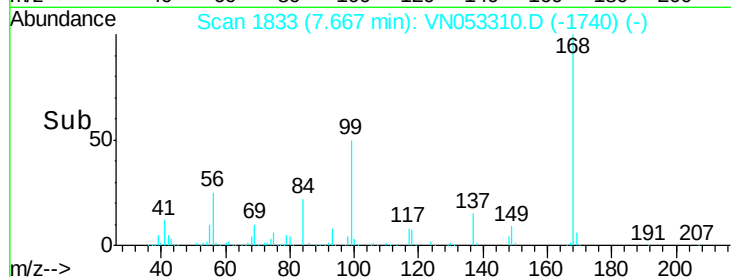
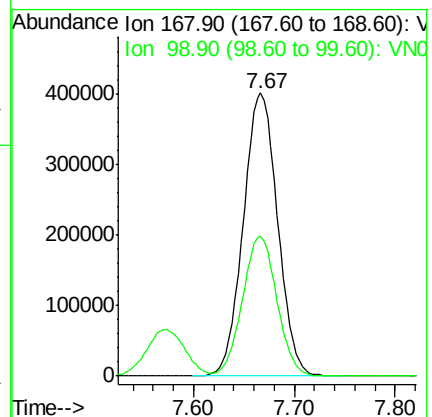
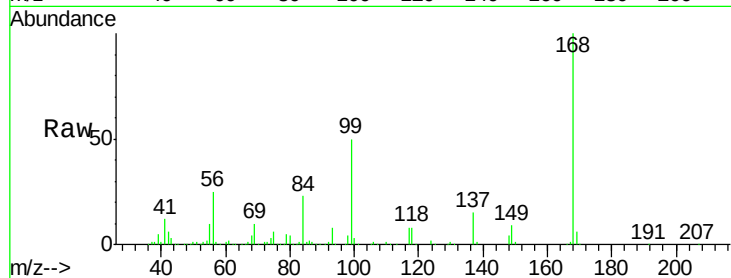
99 49.5 39.1 58.7

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#2

Dichlorodifluoromethane

Concen: 18.357 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053310.D

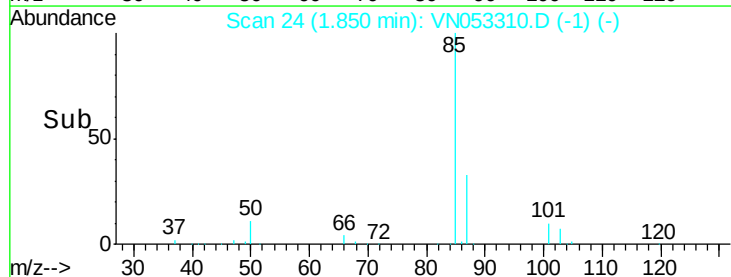
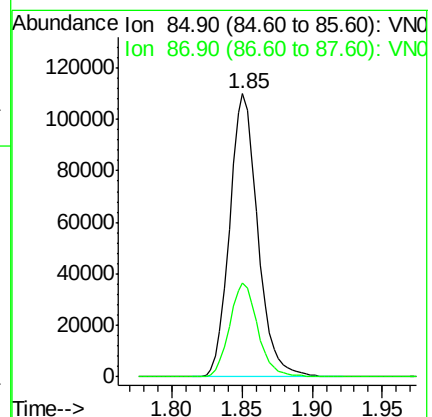
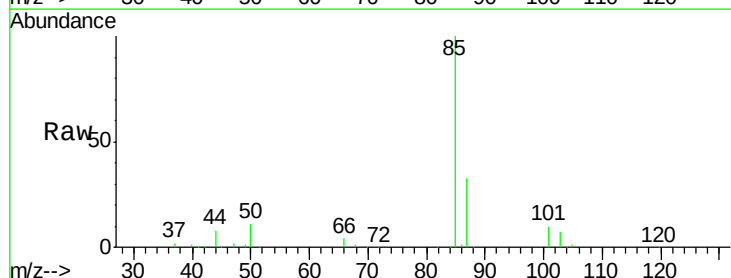
Acq: 8 Jan 2019 11:30

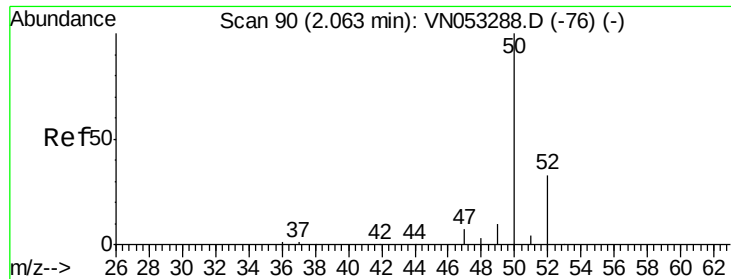
Tgt Ion: 85 Resp: 153145

Ion Ratio Lower Upper

85 100

87 33.0 16.0 47.9





#3

Chloromethane

Concen: 17.651 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 50 Resp: 205640

Ion Ratio Lower Upper

50 100

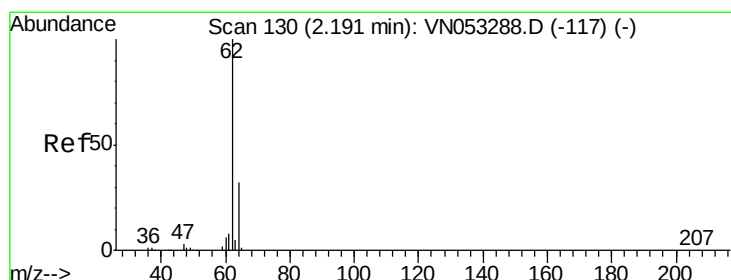
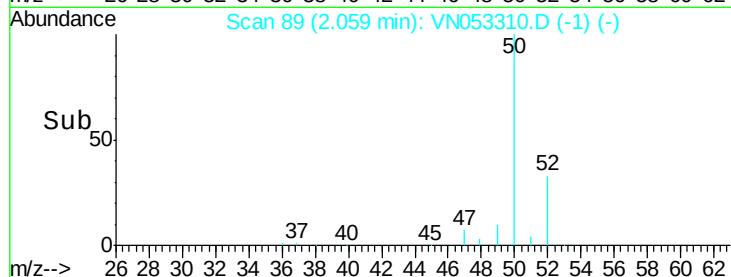
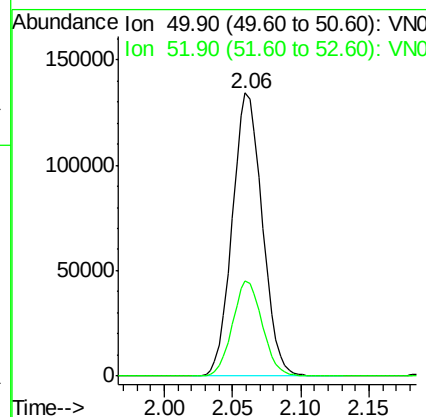
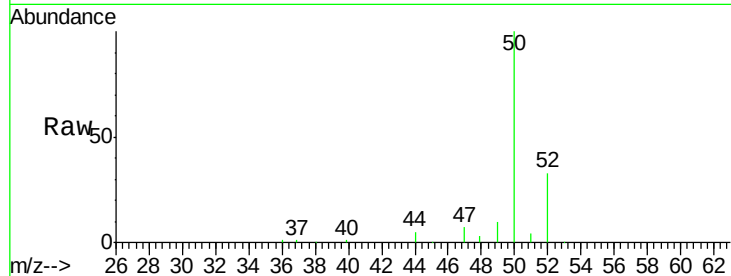
52 33.4 26.6 40.0

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#4

Vinyl Chloride

Concen: 18.982 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053310.D

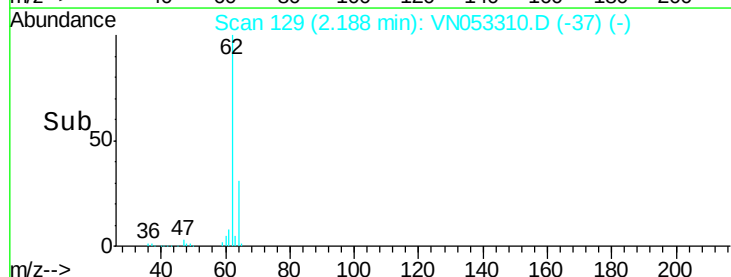
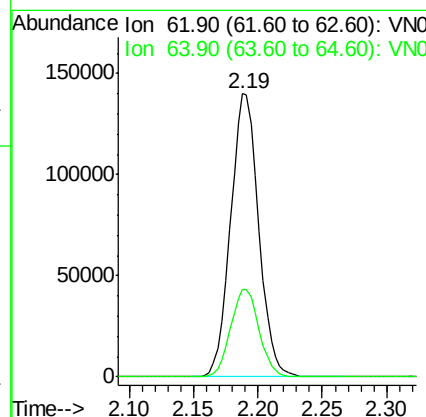
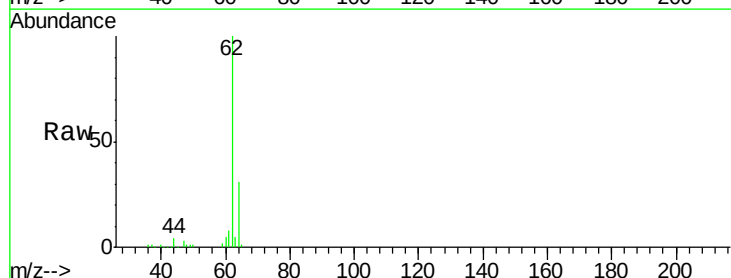
Acq: 8 Jan 2019 11:30

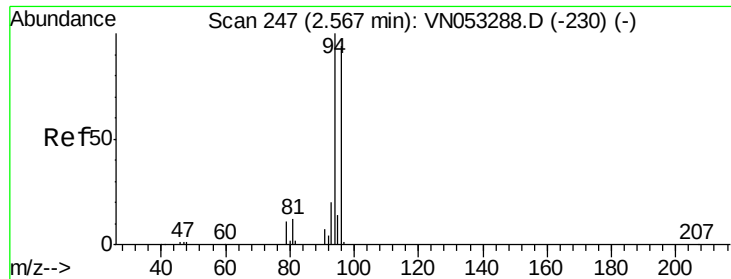
Tgt Ion: 62 Resp: 211075

Ion Ratio Lower Upper

62 100

64 30.7 25.6 38.4





#5

Bromomethane

Concen: 18.438 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion: 94 Resp: 133972

Ion Ratio Lower Upper

94 100

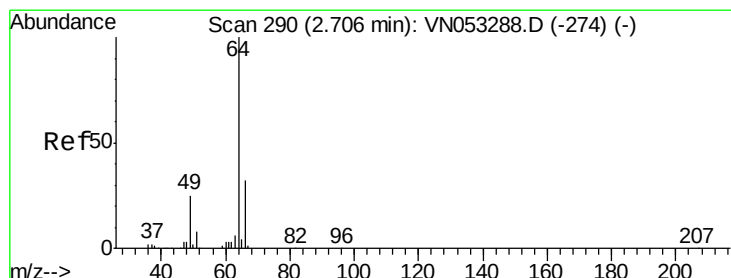
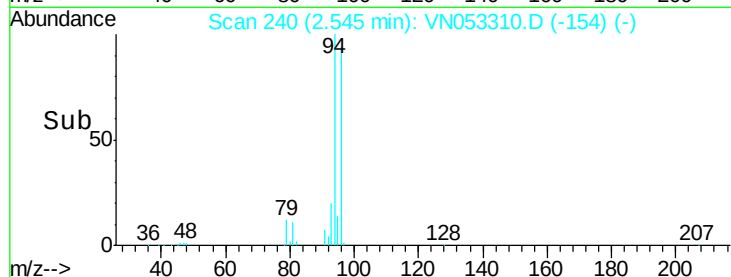
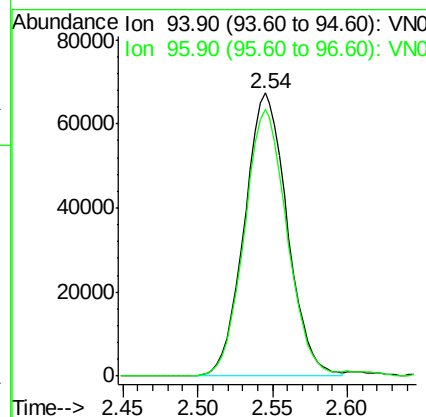
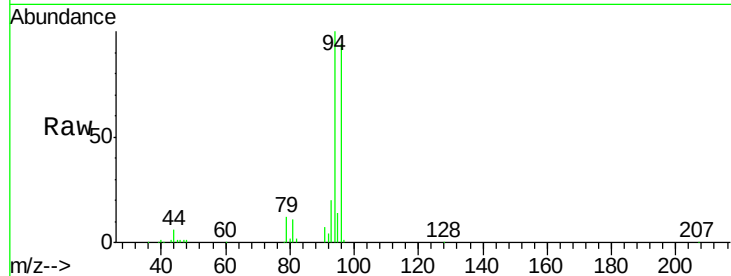
96 93.8 74.9 112.3

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#6

Chloroethane

Concen: 18.013 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN053310.D

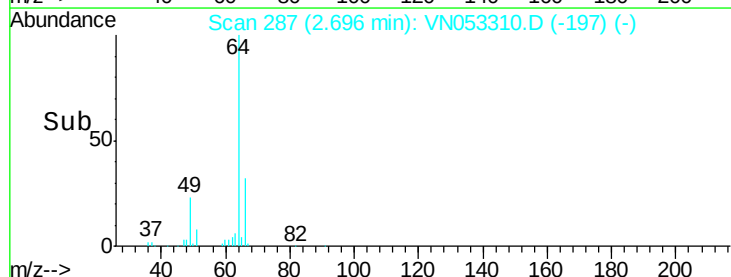
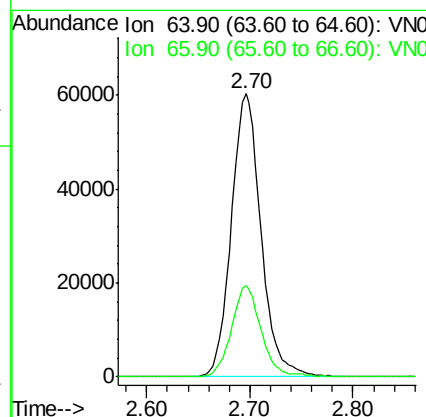
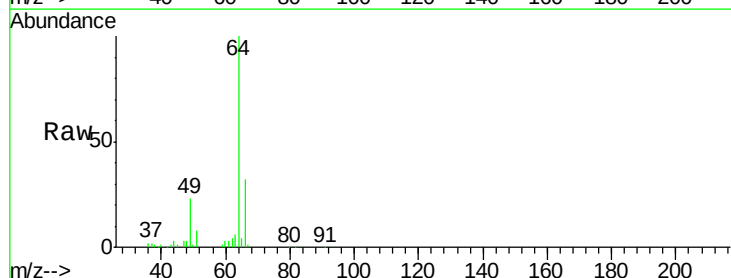
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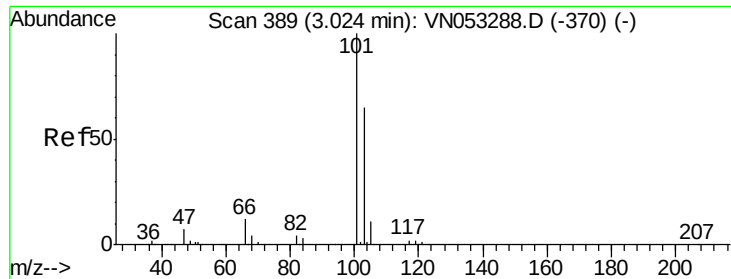
Tgt Ion: 64 Resp: 120901

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

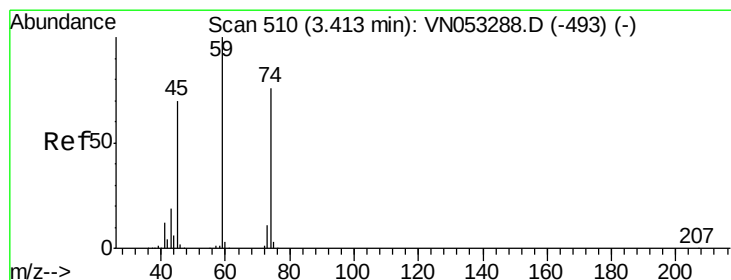
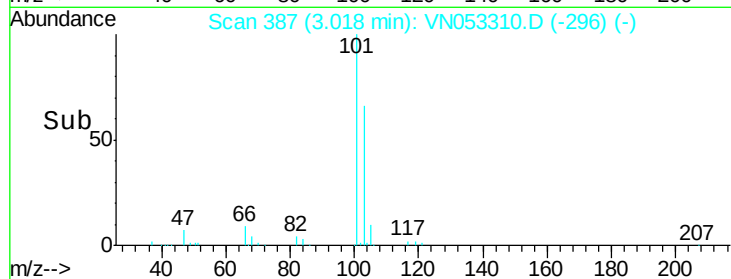
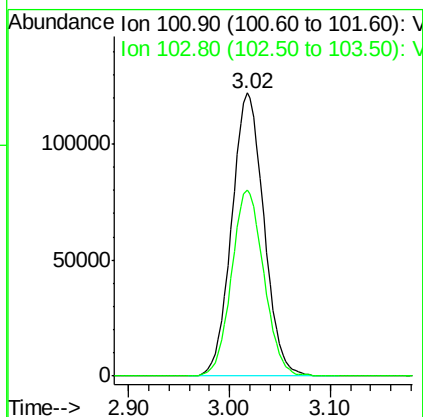
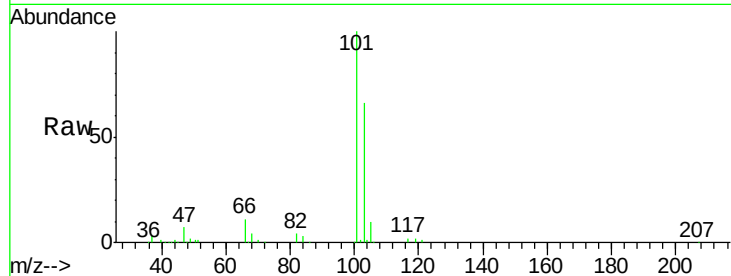
Trichlorofluoromethane
Concen: 18.798 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.01 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

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ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	270750		
103	65.9	52.1	78.1	

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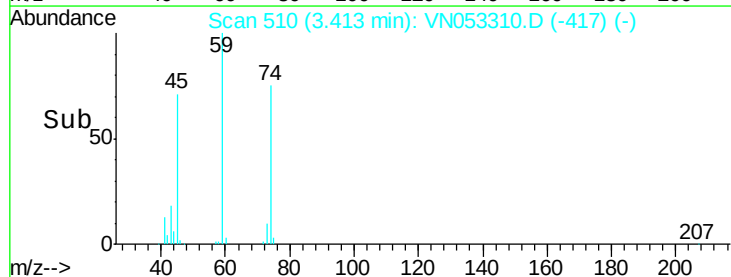
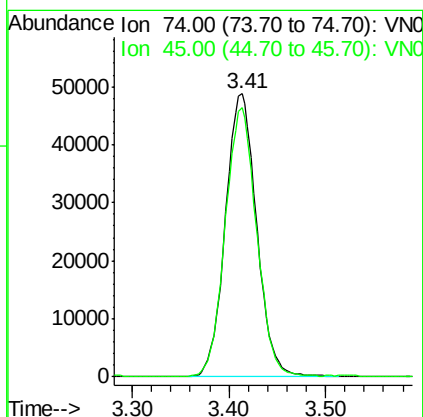
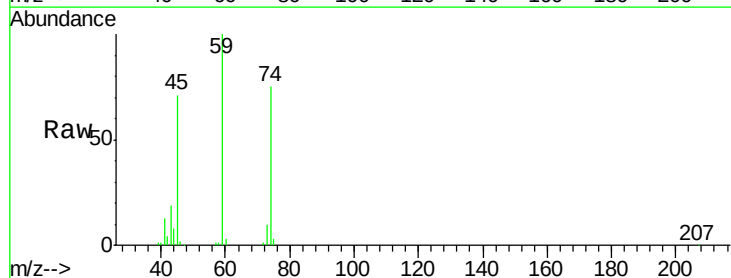
MMDadoda
1/9/2019 10:57:36 AM

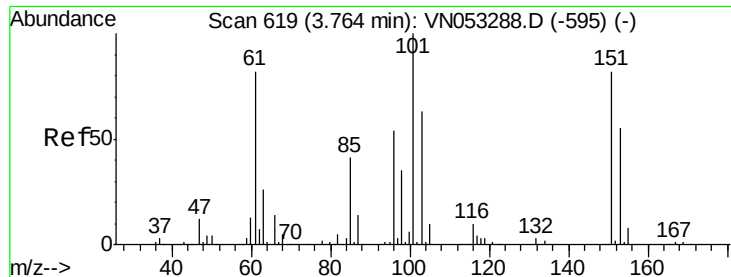


#8

Diethyl Ether
Concen: 19.404 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109545		
45	95.7	48.3	144.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.873 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053310.D

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MSVOA_N

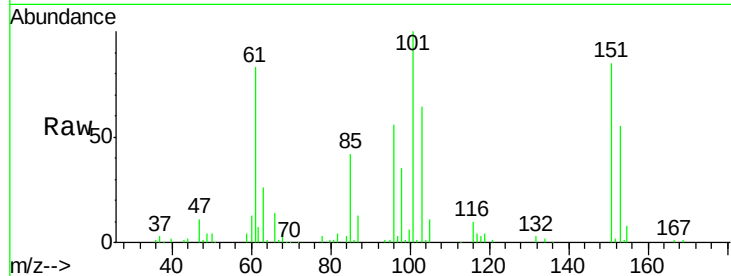
ClientSampled :

VN0108MBS01

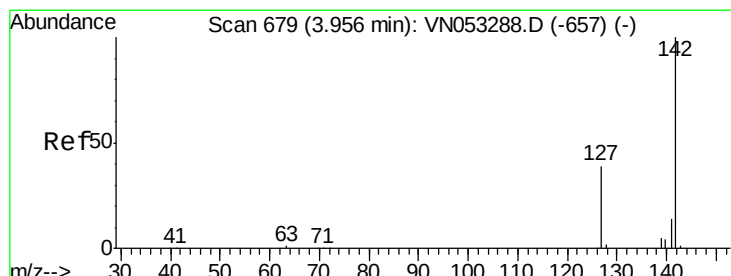
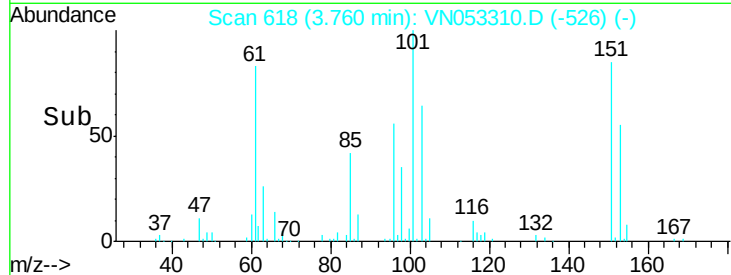
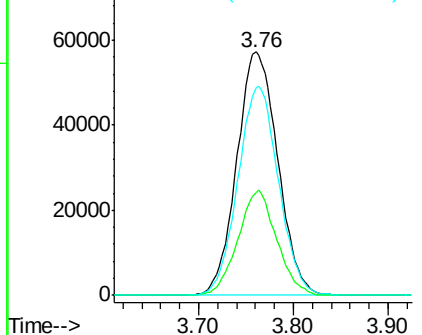
Tot Ion:	101	Resp:	172281
Ion Ratio	Lower	Upper	
101	100		
85	40.7	33.3	49.9
151	85.0	67.0	100.4

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



#10

Methyl Iodide

Concen: 19.902 ug/l

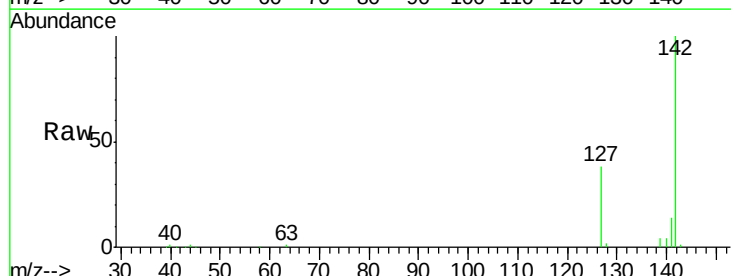
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

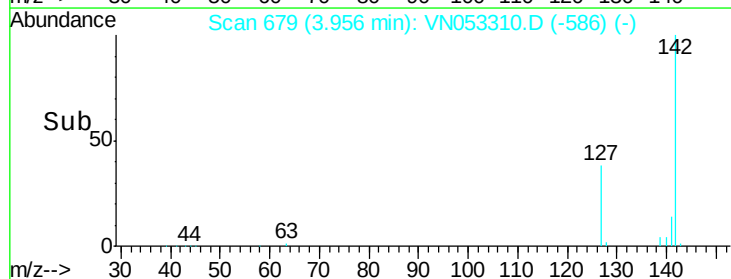
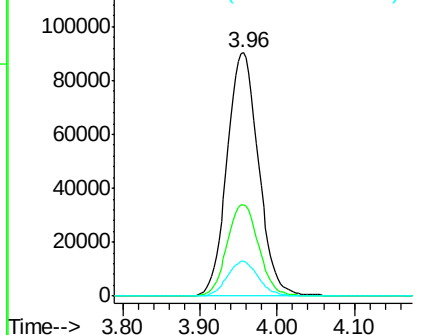
Lab File: VN053310.D

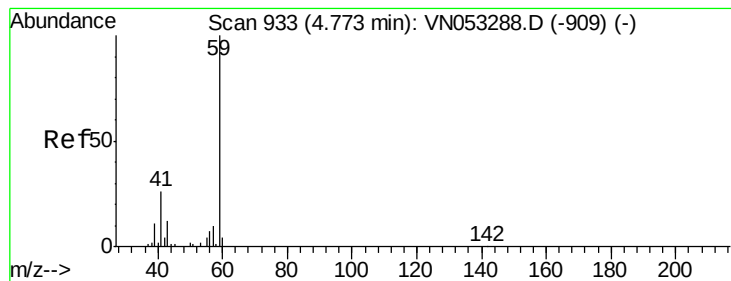
Acq: 8 Jan 2019 11:30

Tgt Ion:	142	Resp:	254655
Ion Ratio	Lower	Upper	
142	100		
127	37.8	30.9	46.3
141	14.1	11.2	16.8



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

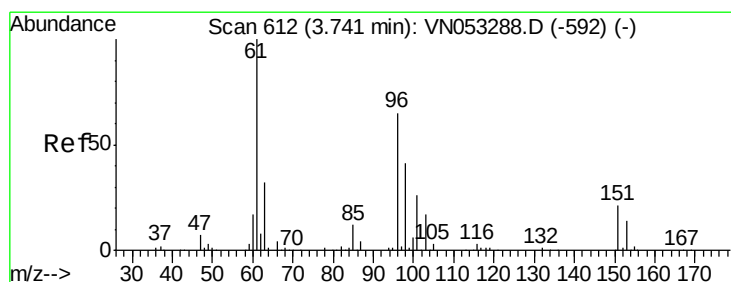
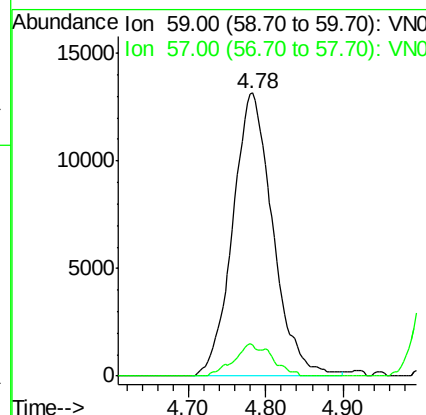
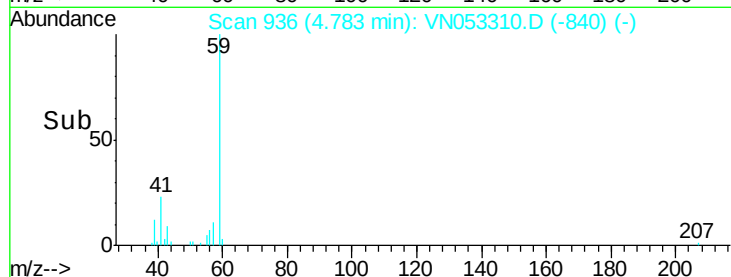
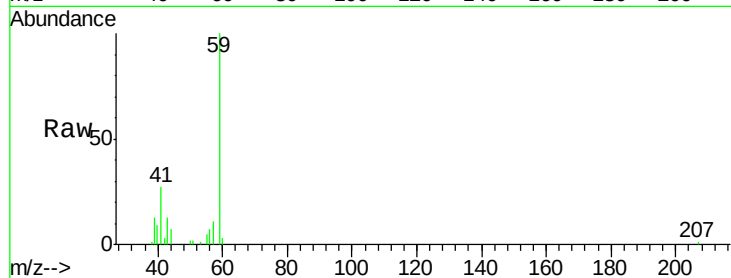
Tert butyl alcohol
Concen: 79.839 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion: 59 Resp: 47278
Ion Ratio Lower Upper
59 100
57 7.0 8.0 12.0#

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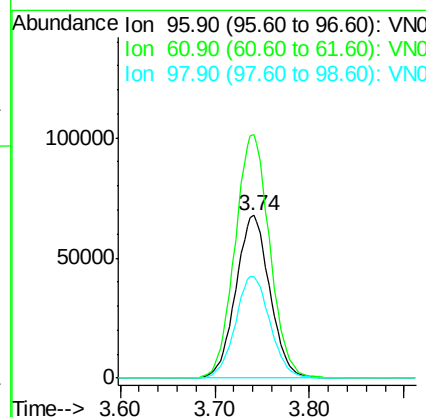
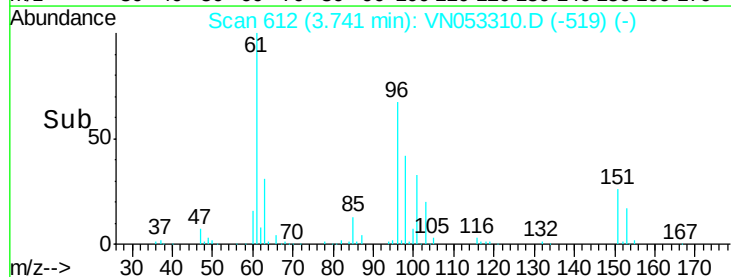
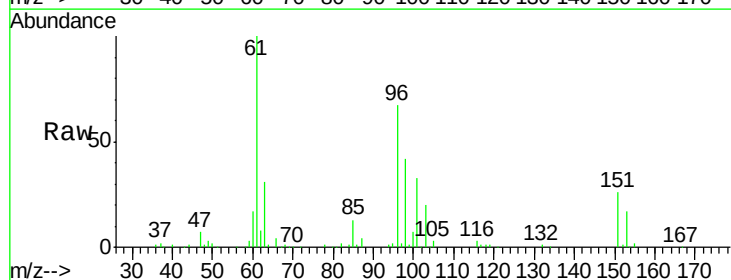
MMDadoda
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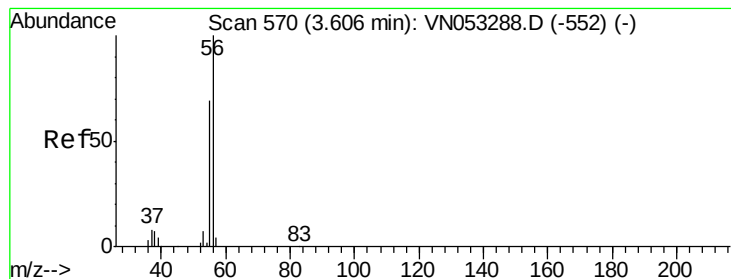


#12

1,1-Dichloroethene
Concen: 19.203 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 96 Resp: 169560
Ion Ratio Lower Upper
96 100
61 149.8 123.2 184.8
98 62.4 50.5 75.7





#13

Acrolein

Concen: 95.834 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion: 56 Resp: 71353

Ion Ratio Lower Upper

56 100

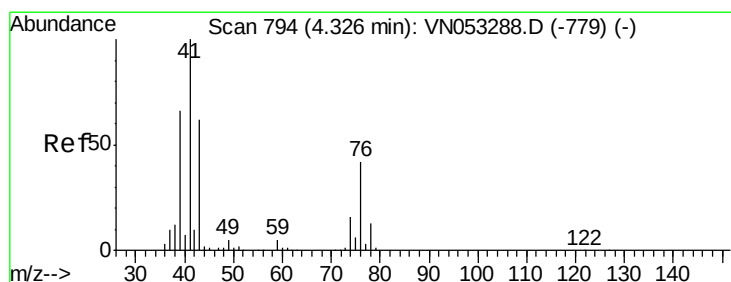
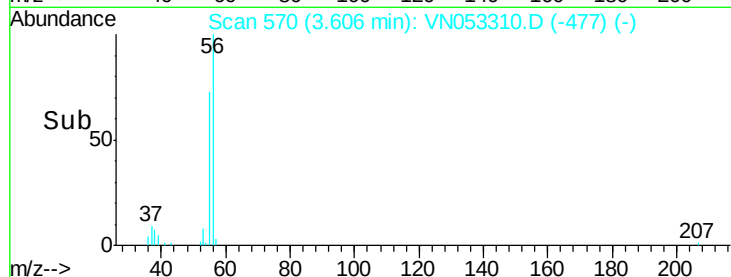
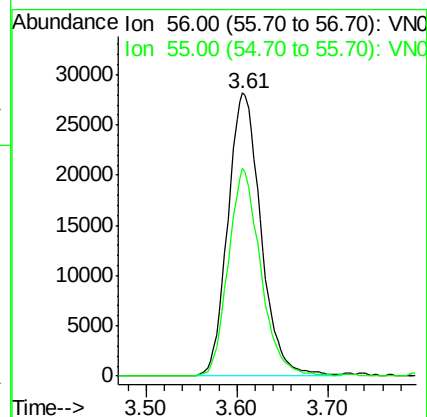
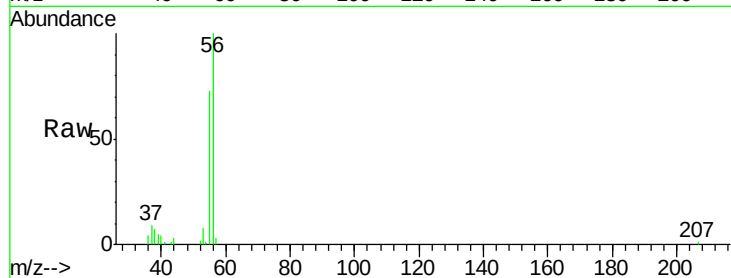
55 71.4 56.3 84.5

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#14

Allyl chloride

Concen: 19.208 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

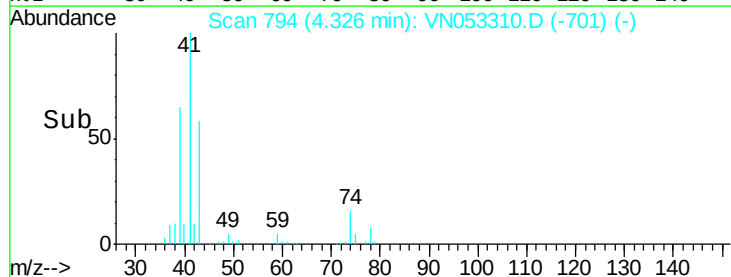
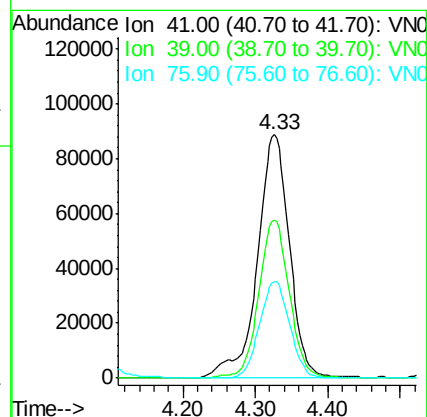
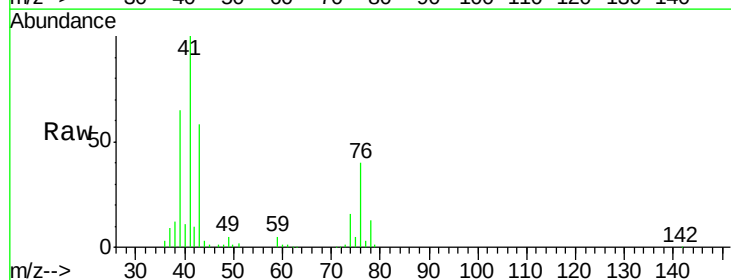
Tgt Ion: 41 Resp: 273351

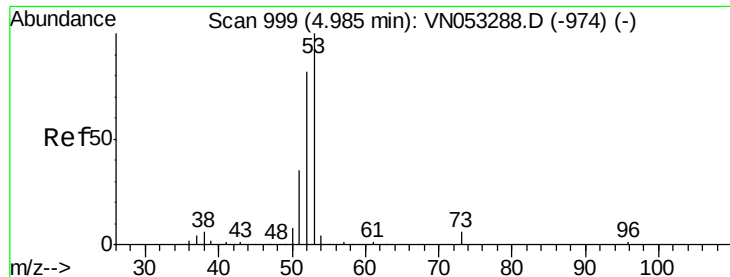
Ion Ratio Lower Upper

41 100

39 61.9 51.9 77.9

76 37.5 31.2 46.8





#15

Acrylonitrile

Concen: 92.975 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

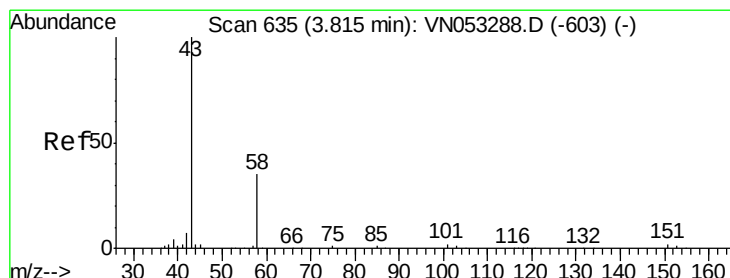
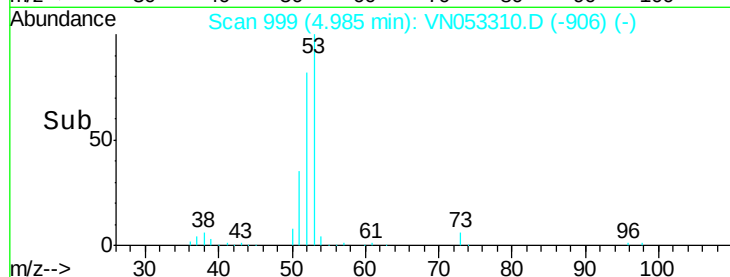
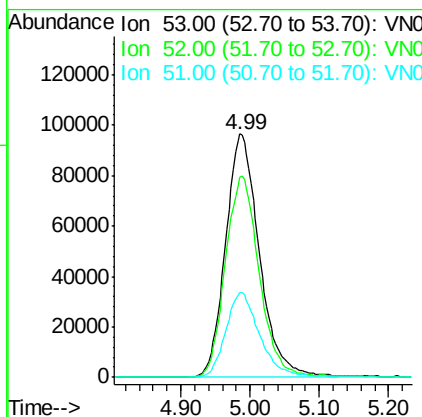
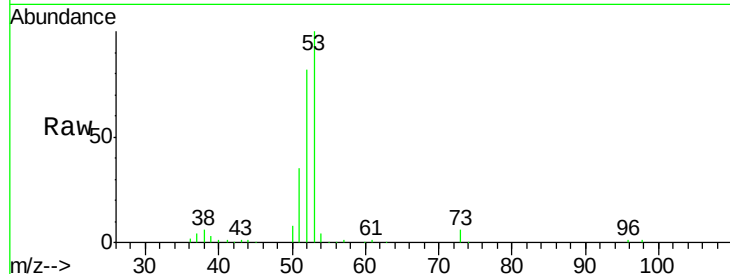
ClientSampleId :

VN0108MBS01

Tot Ion:	53	Resp:	328663
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	35.1	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 92.784 ug/l

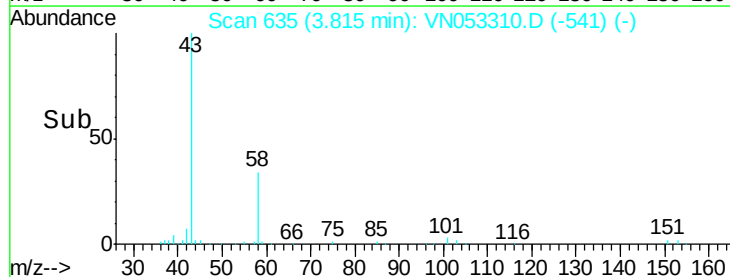
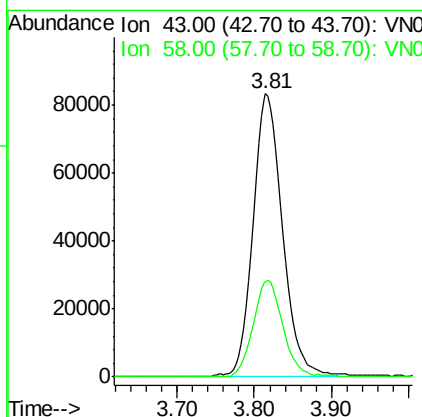
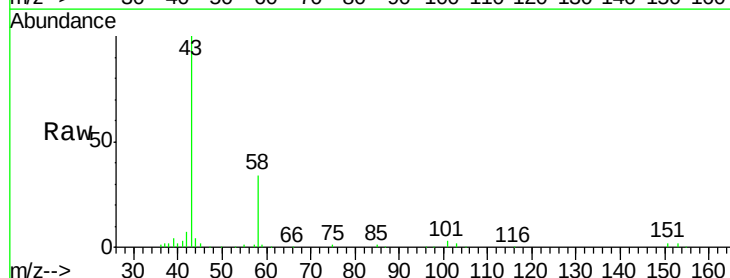
RT: 3.81 min Scan# 635

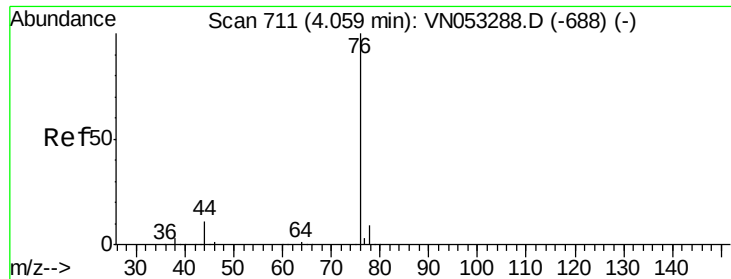
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	43	Resp:	223178
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.8	41.6





#17

Carbon Disulfide

Concen: 17.314 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion: 76 Resp: 471333

Ion Ratio Lower Upper

76 100

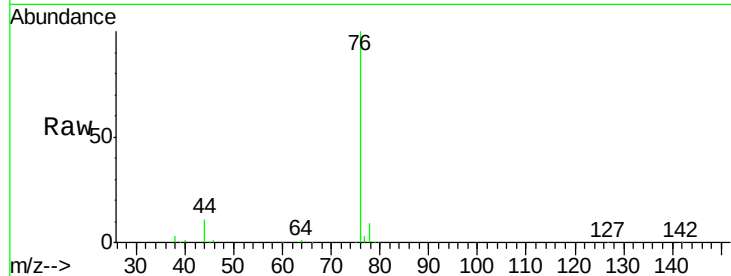
78 9.4 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

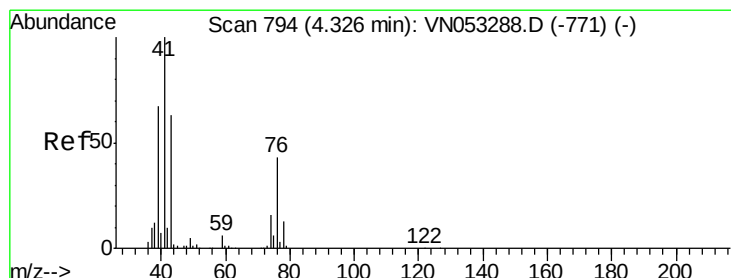
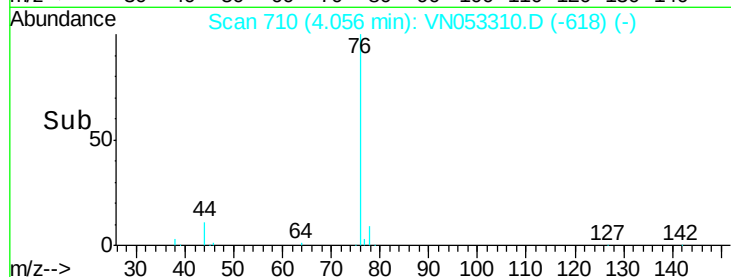
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 17.507 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053310.D

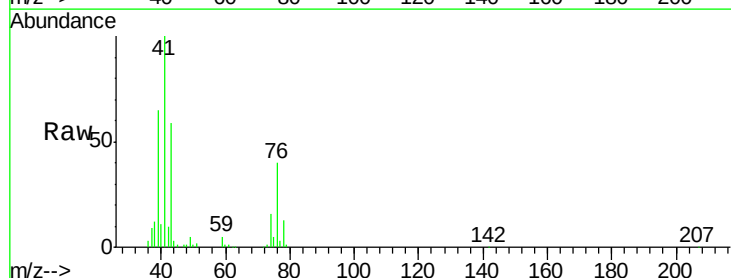
Acq: 8 Jan 2019 11:30

Tgt Ion: 43 Resp: 155993

Ion Ratio Lower Upper

43 100

74 25.5 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

60000

50000

40000

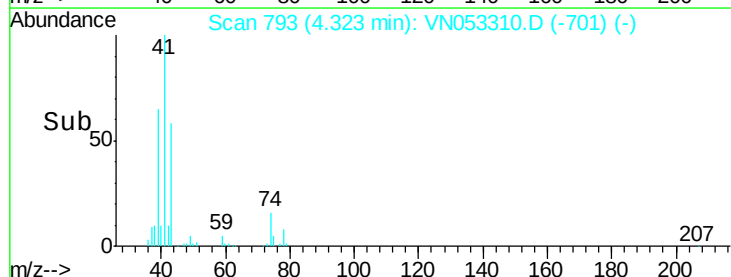
30000

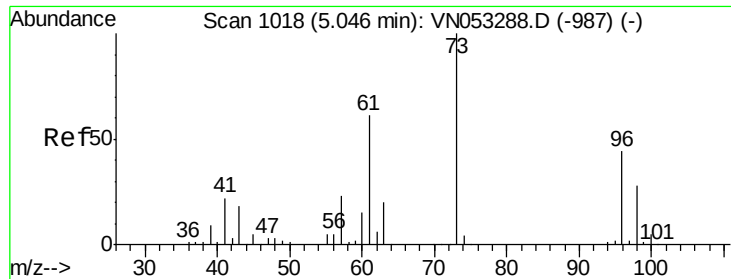
20000

10000

0

Time-->





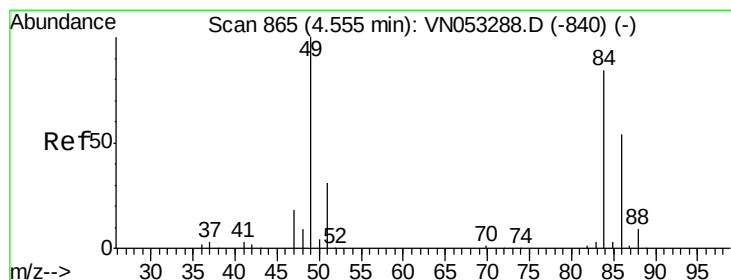
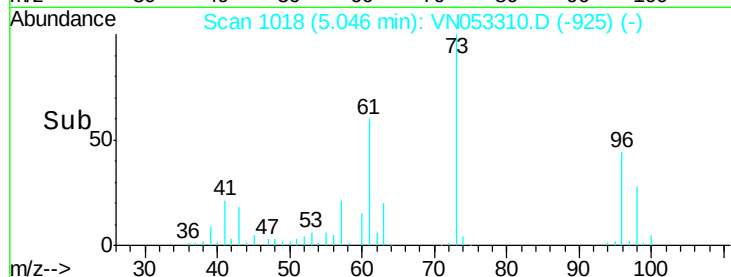
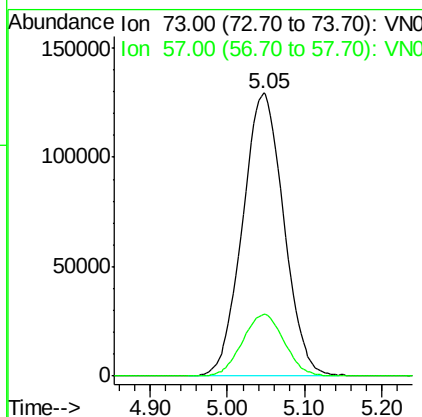
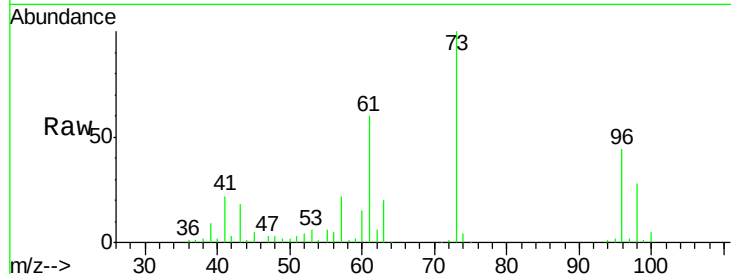
#19
Methyl tert-butyl Ether
Concen: 19.357 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion: 73 Resp: 479686
Ion Ratio Lower Upper
73 100
57 21.8 18.5 27.7

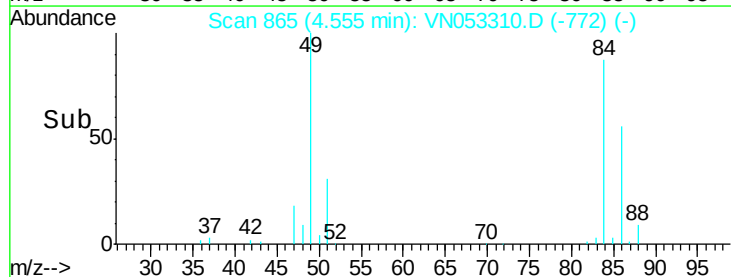
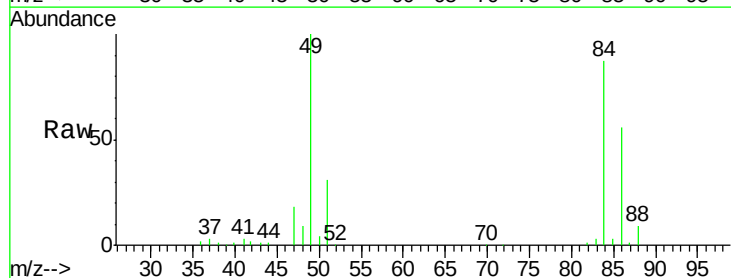
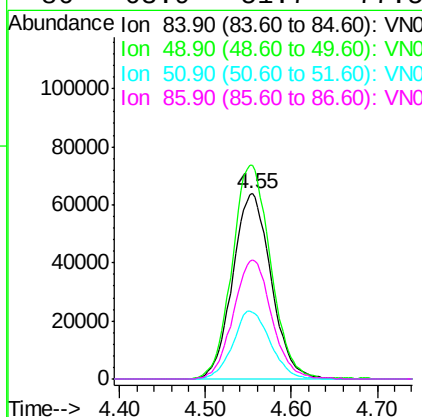
Manual Integrations
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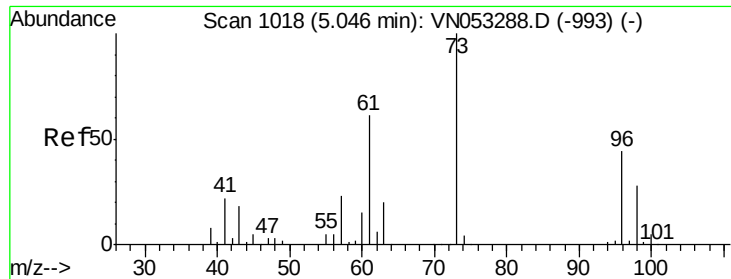
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#20
Methylene Chloride
Concen: 18.776 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 84 Resp: 198532
Ion Ratio Lower Upper
84 100
49 115.1 95.3 142.9
51 36.0 29.0 43.6
86 63.9 51.7 77.5





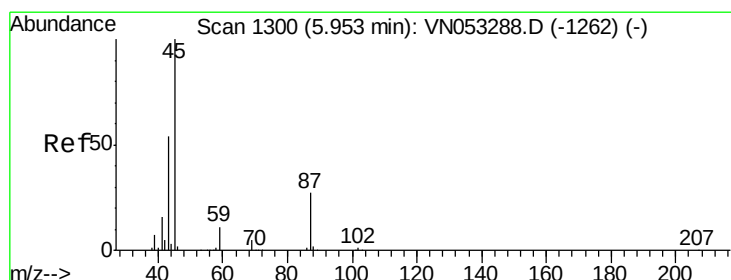
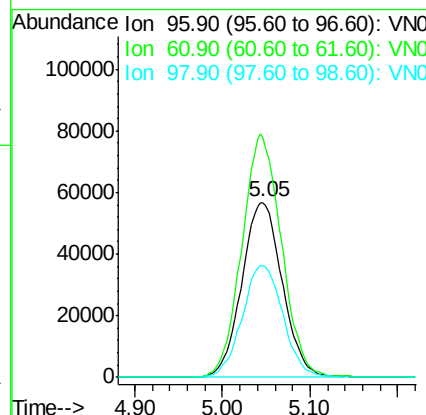
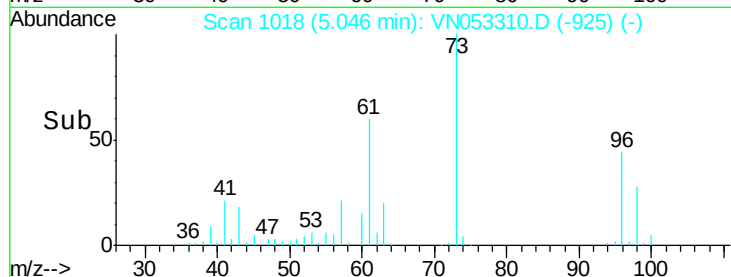
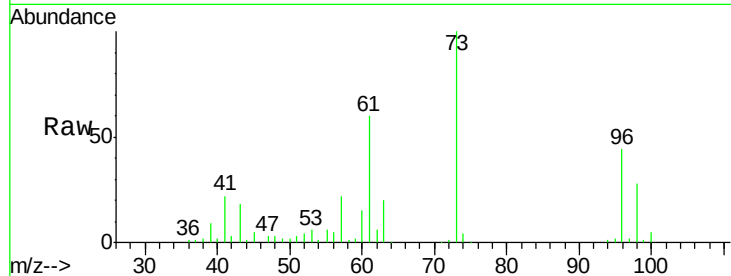
#21
trans-1,2-Dichloroethene
Concen: 19.224 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	110.2	165.4
98	64.3	50.7	76.1

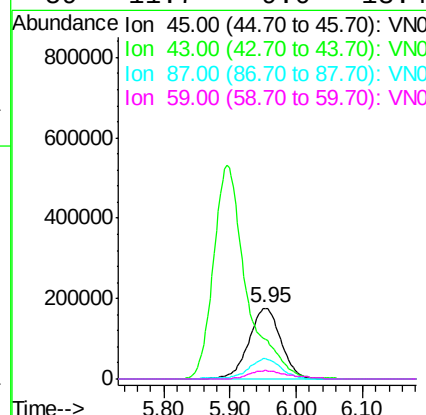
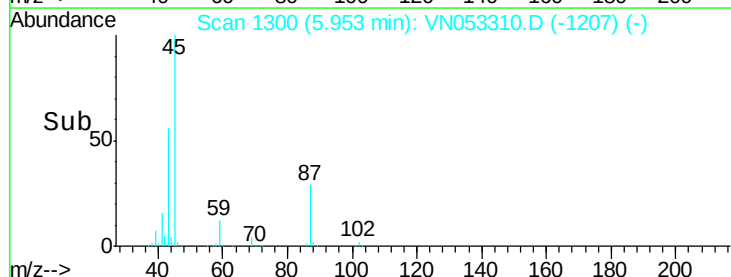
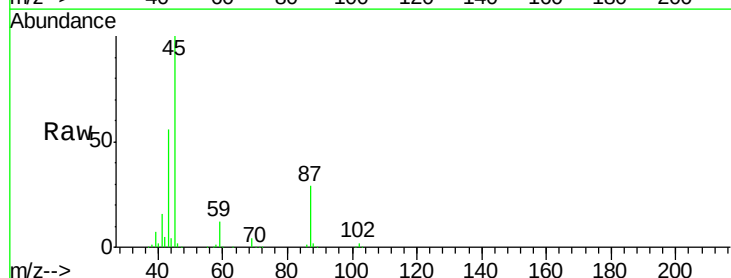
Manual Integrations
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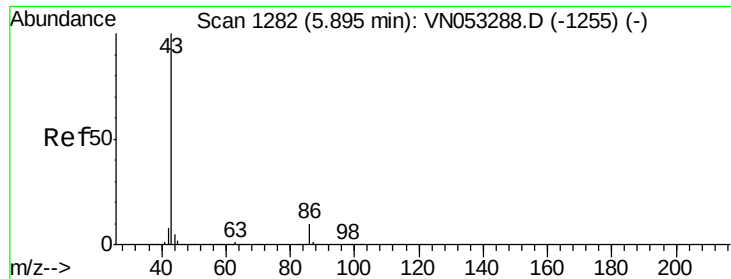
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#22
Diisopropyl ether
Concen: 19.324 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.6	43.0	64.6
87	28.7	22.1	33.1
59	11.7	9.0	13.4





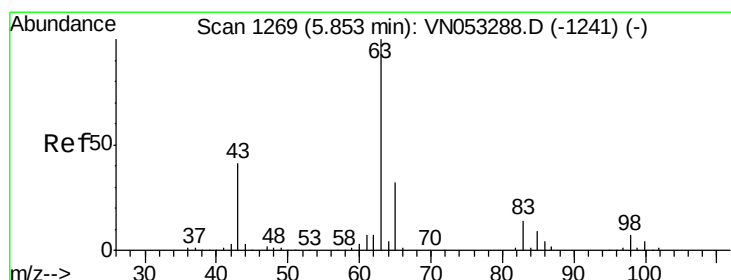
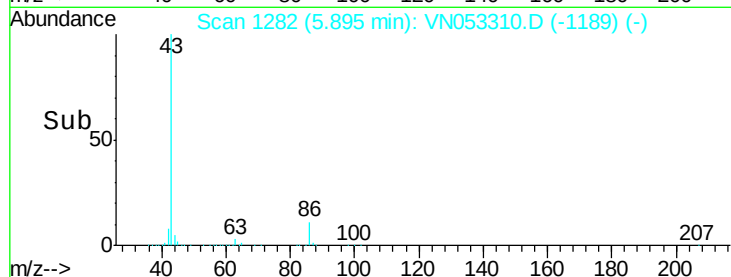
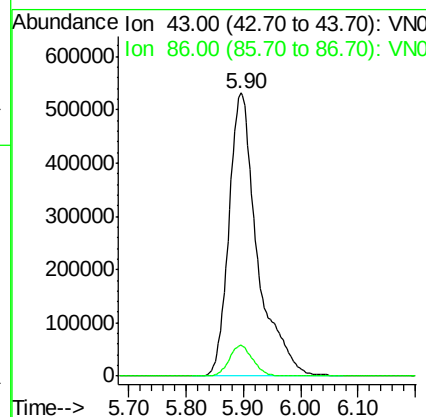
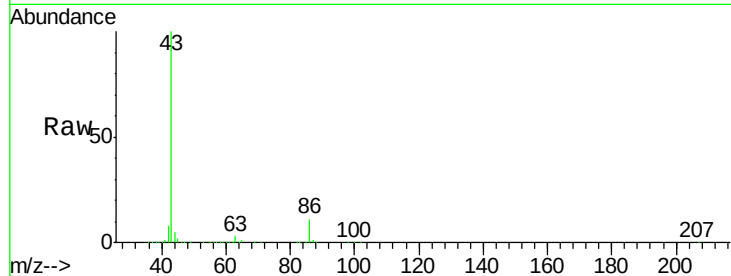
#23
 Vinyl Acetate
 Concen: 95.119 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBS01

Tot Ion: 43 Resp: 1834902
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.4 12.6

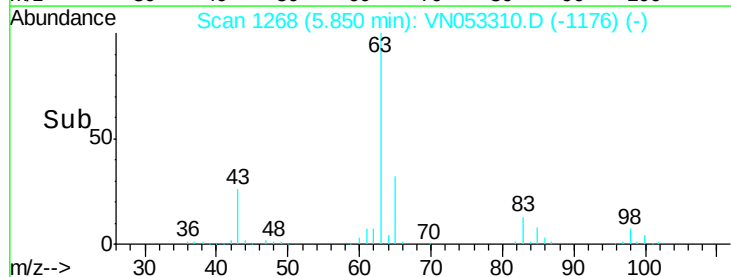
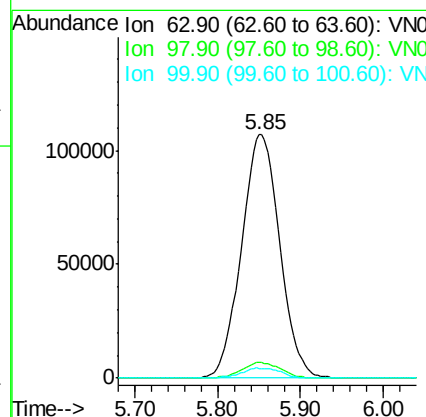
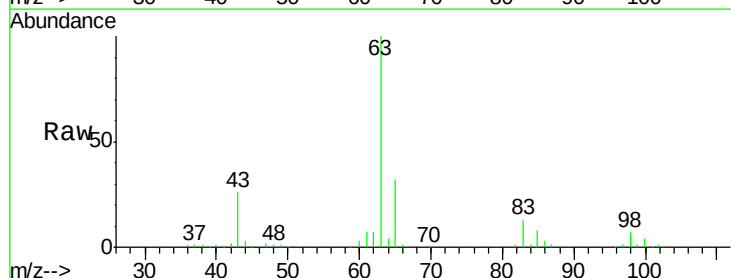
Manual Integrations
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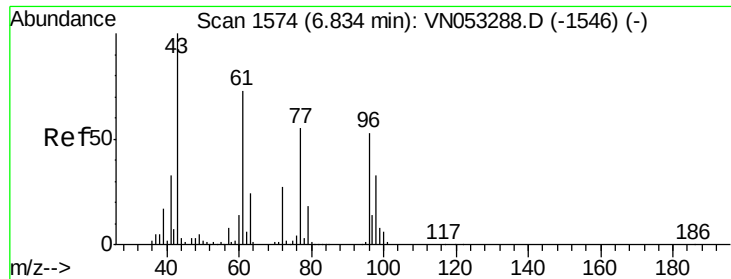
MMDadoda
 1/9/2019 10:57:36 AM



#24
 1,1-Dichloroethane
 Concen: 19.389 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion: 63 Resp: 342834
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 91.023 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 43 Resp: 367650

Ion Ratio Lower Upper

43 100

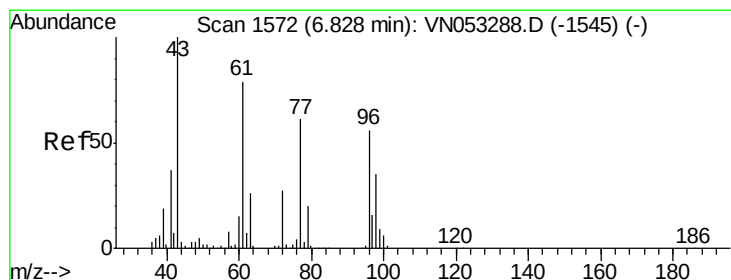
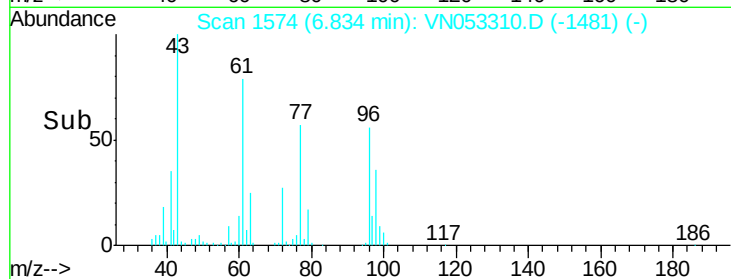
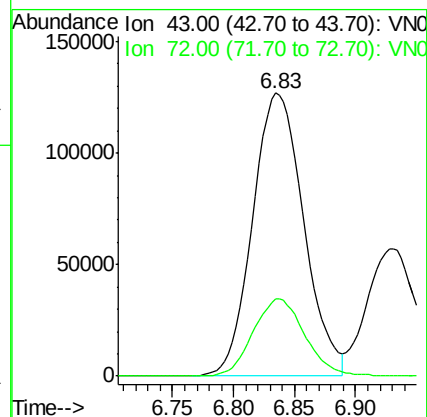
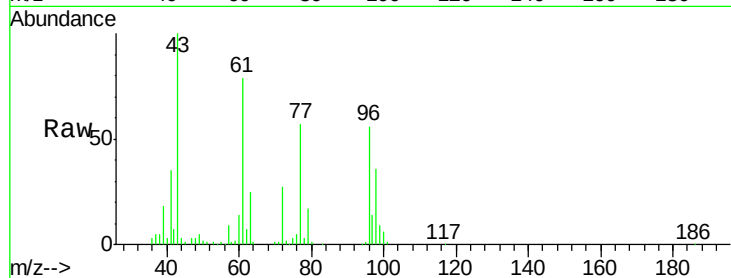
72 27.3 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.954 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053310.D

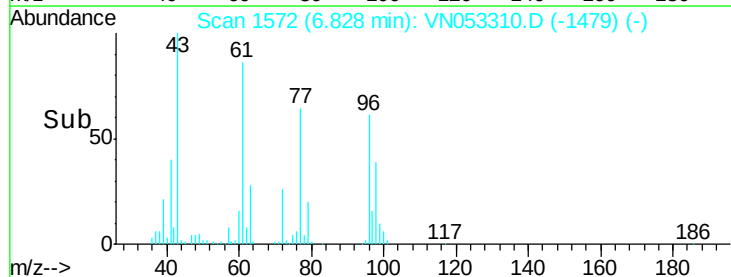
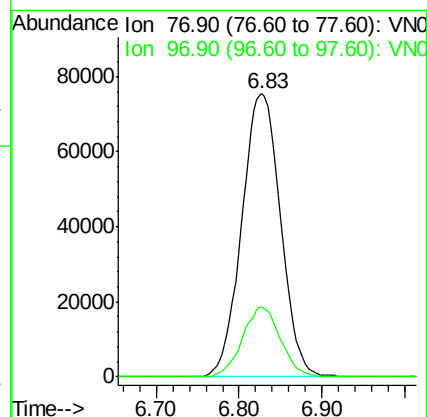
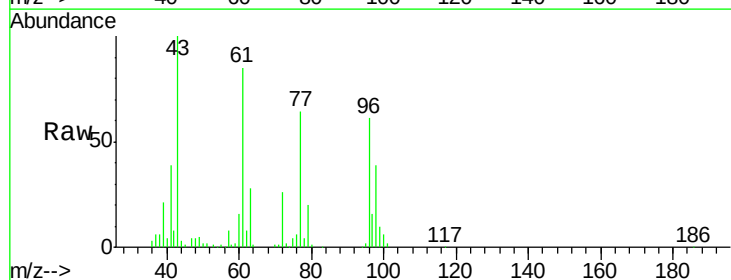
Acq: 8 Jan 2019 11:30

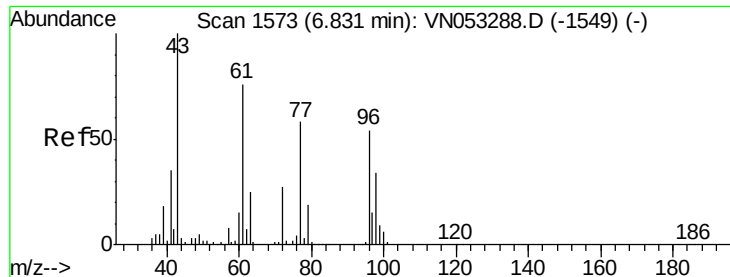
Tgt Ion: 77 Resp: 244986

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.396 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

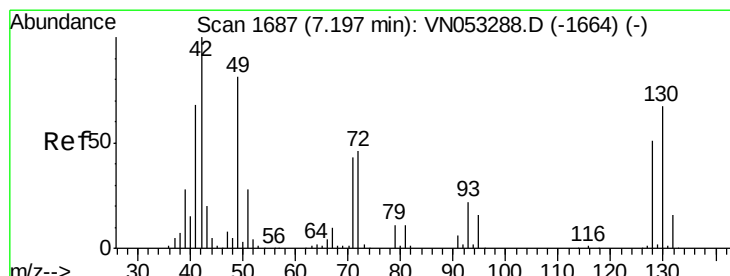
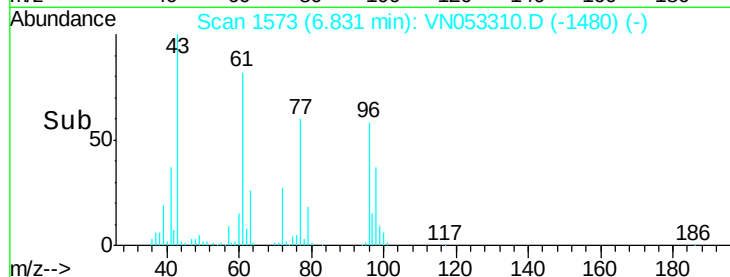
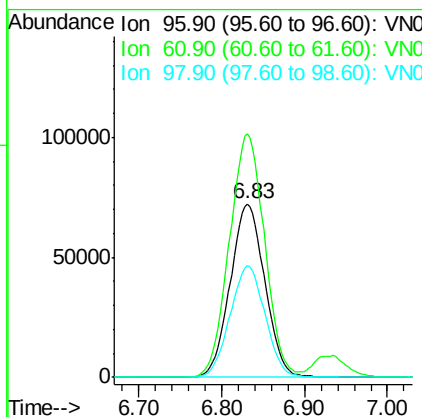
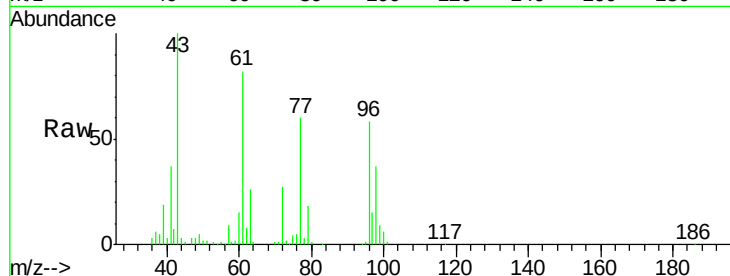
ClientSampled :

VN0108MBS01

Tot Ion:	96	Resp:	209990
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	280.6
98	65.0	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.121 ug/l

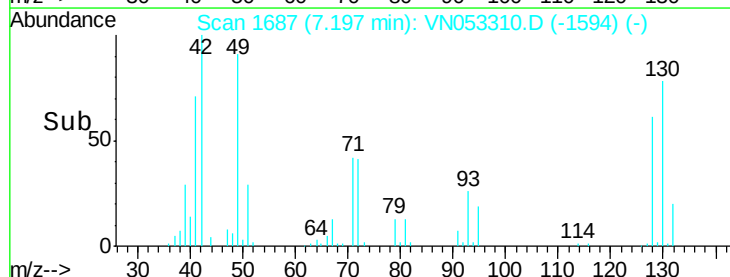
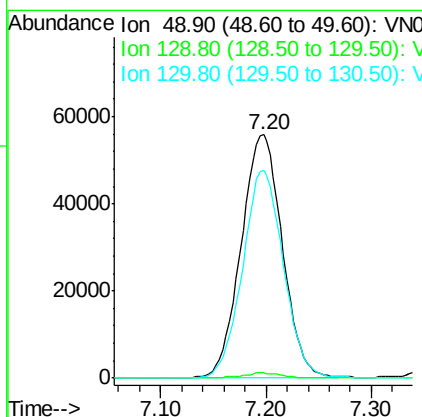
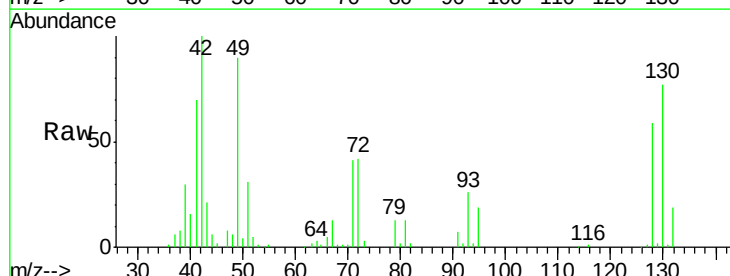
RT: 7.20 min Scan# 1687

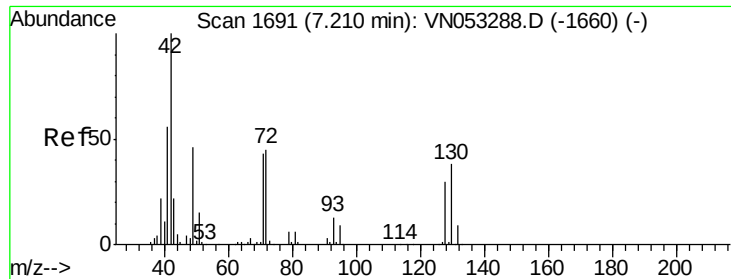
Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	49	Resp:	151611
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	84.5	65.4	98.0





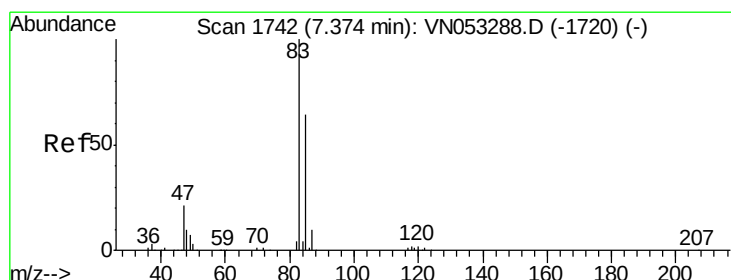
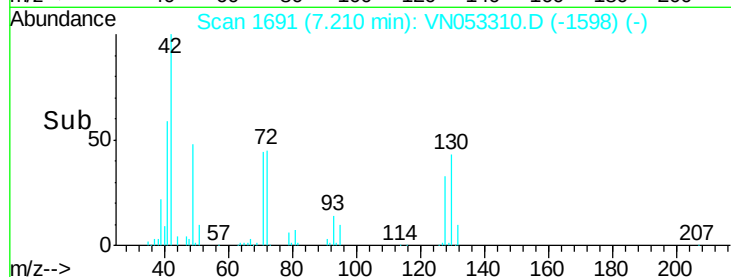
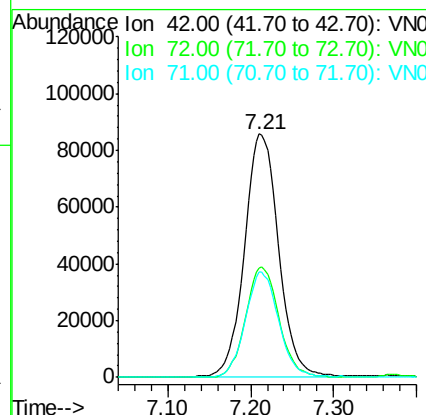
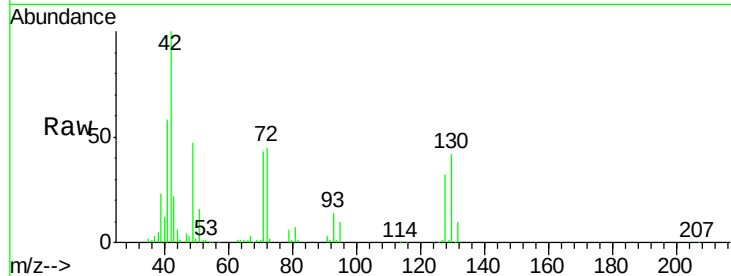
#29
Tetrahydrofuran
Concen: 92.499 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	41.8	33.8	50.8

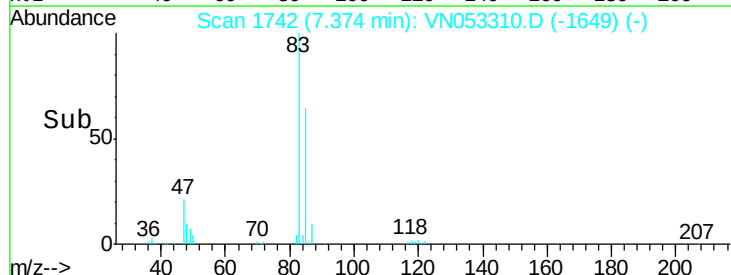
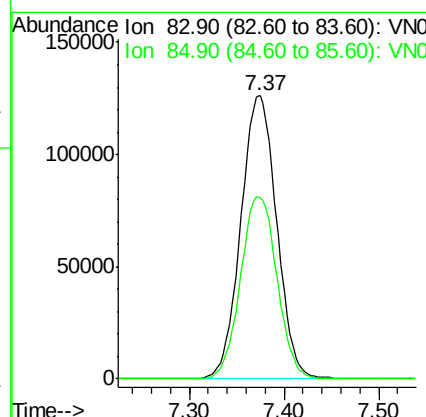
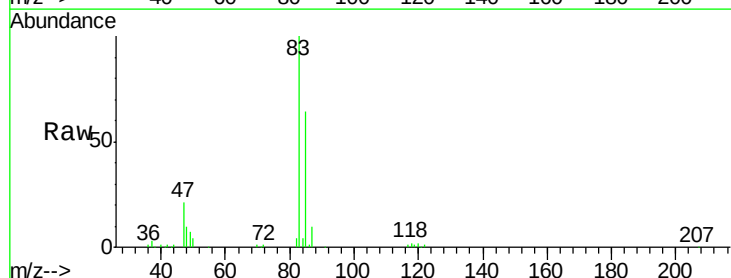
Manual Integrations
APPROVED

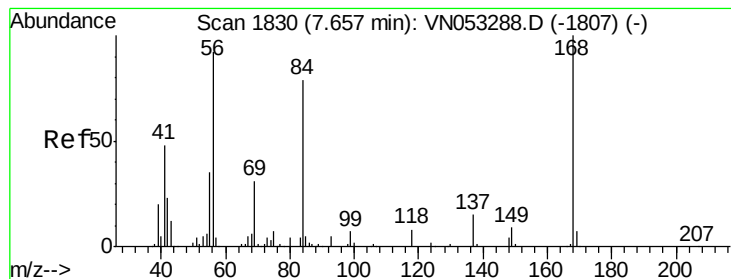
MMDadoda
1/9/2019 10:57:36 AM



#30
Chloroform
Concen: 19.092 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.3	76.9





#31

Cyclohexane

Concen: 19.229 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

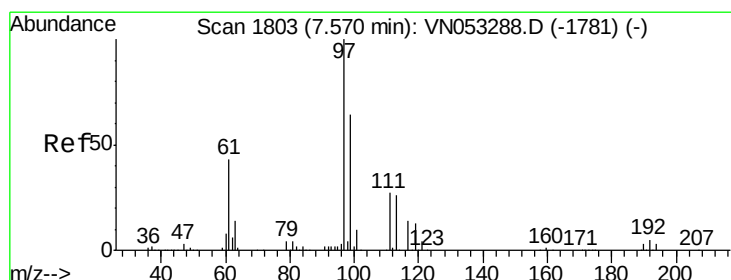
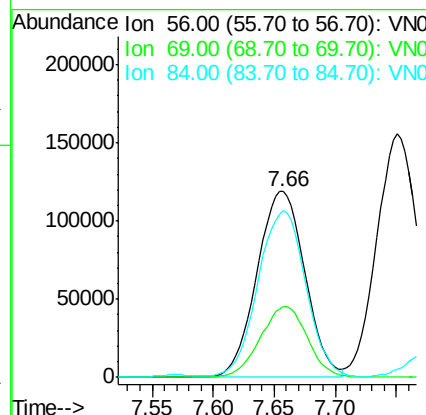
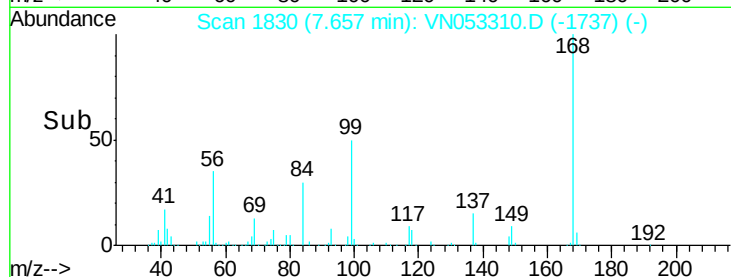
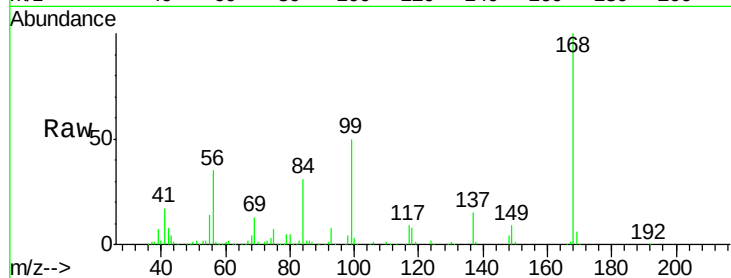
ClientSampled :

VN0108MBS01

Tot Ion:	56	Resp:	325118
Ion Ratio	Lower	Upper	
56	100		
69	38.0	26.7	40.1
84	88.5	68.2	102.4

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:57:36 AM



#32

1,1,1-Trichloroethane

Concen: 19.116 ug/l

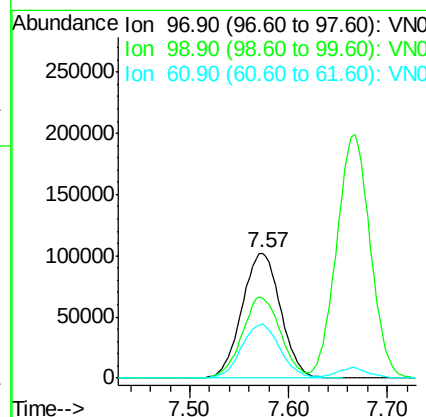
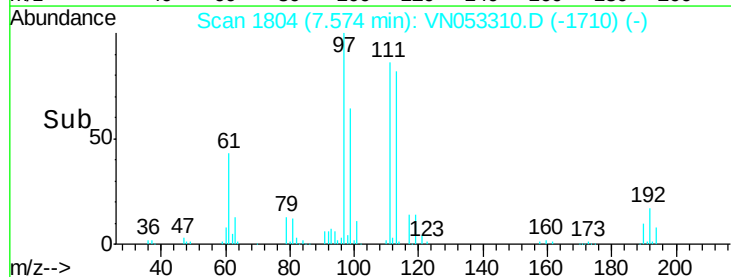
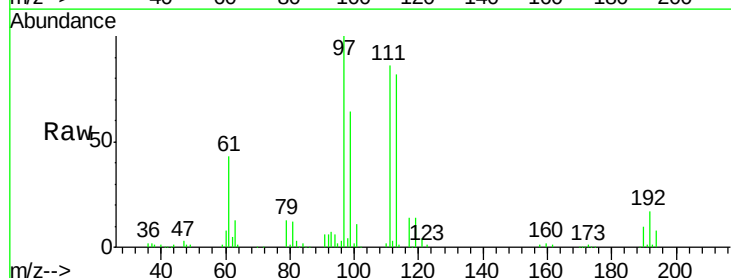
RT: 7.57 min Scan# 1804

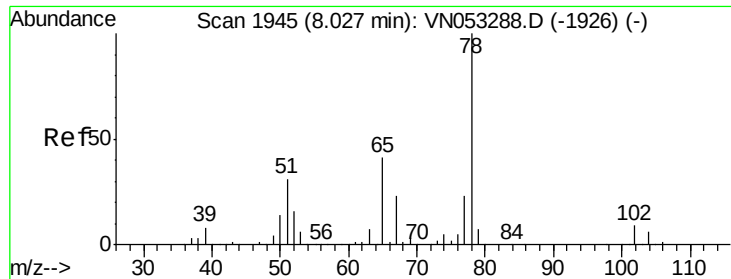
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	97	Resp:	277237
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.6	77.4
61	42.9	34.6	52.0





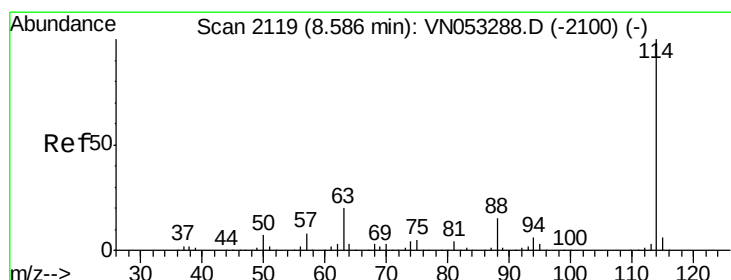
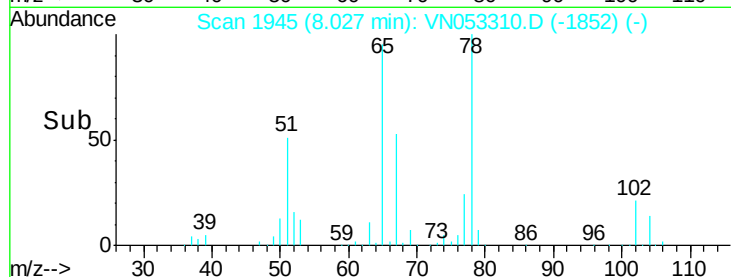
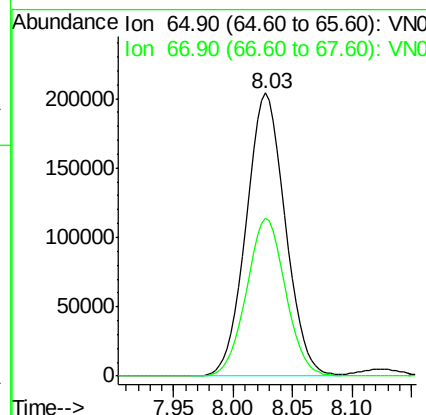
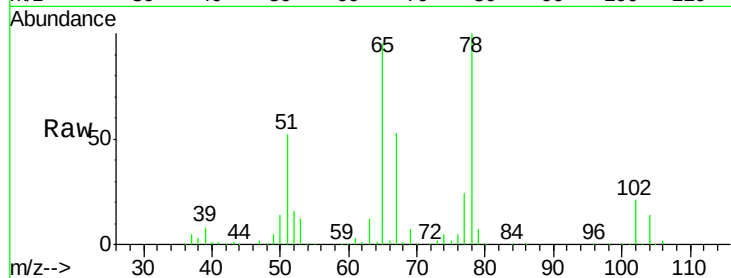
#33
 1,2-Dichloroethane-d4
 Concen: 19.116 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	464321		
67	55.8	0.0	111.0	

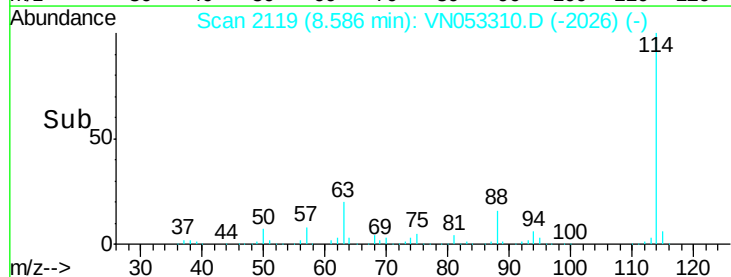
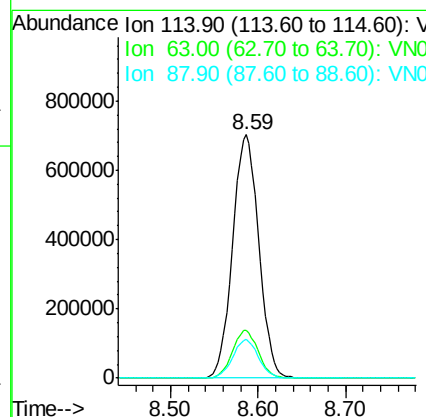
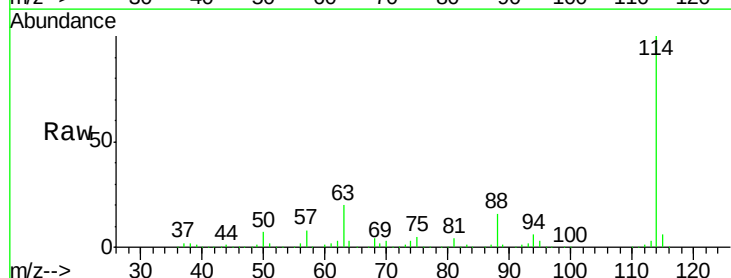
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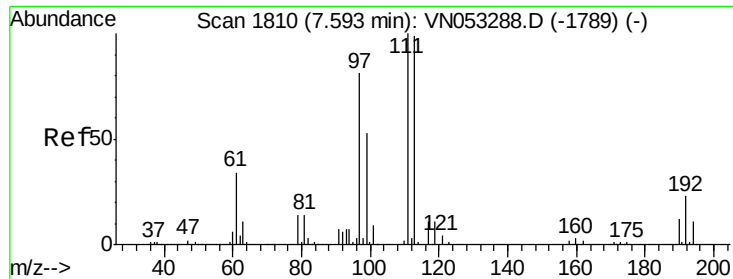
MMDadoda
 1/9/2019 10:57:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1458074		
63	19.6	0.0	39.0	
88	15.8	0.0	30.8	





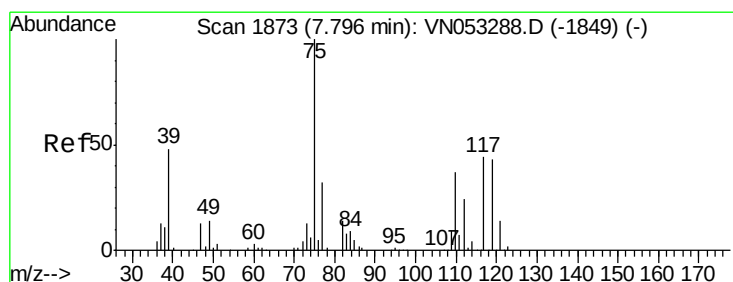
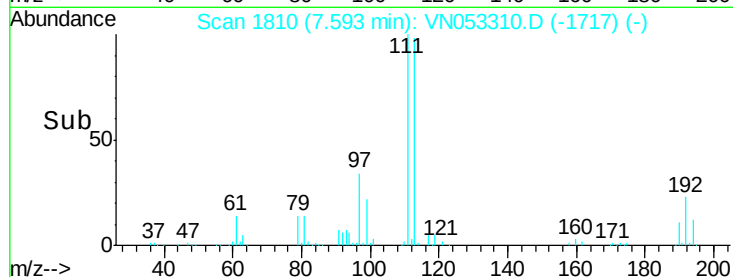
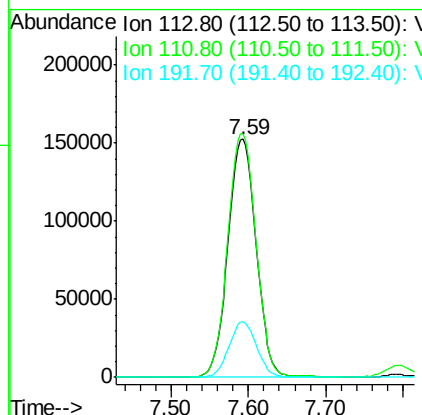
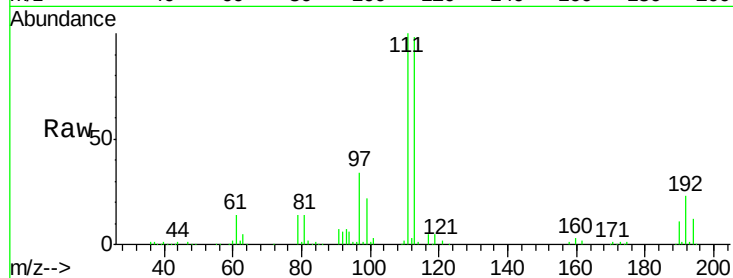
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	386111		
111	102.6	81.4	122.2	
192	22.7	17.9	26.9	

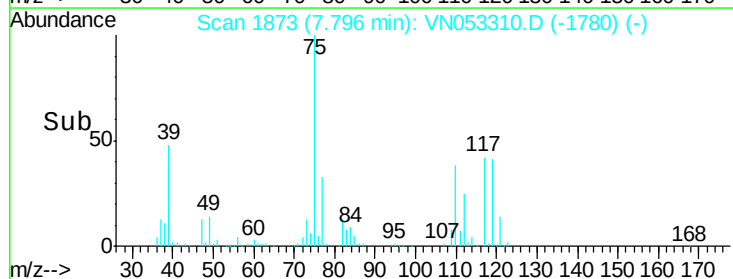
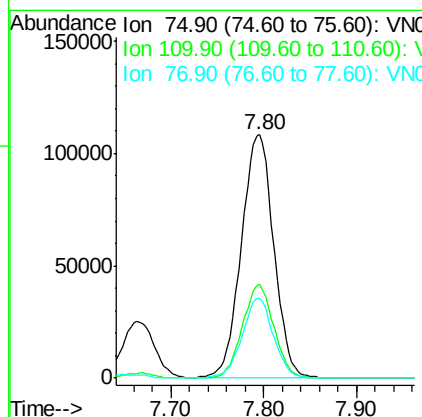
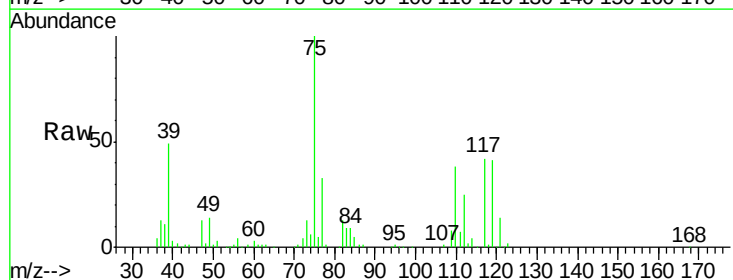
Manual Integrations
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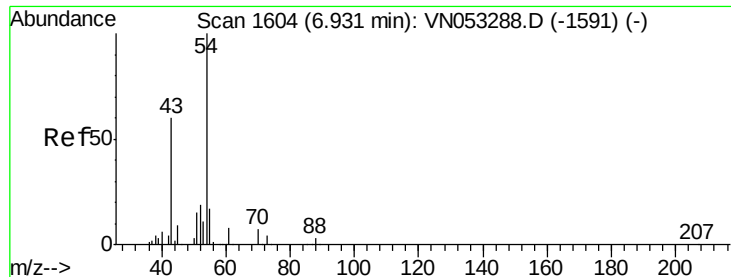
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.265 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	262238		
110	37.3	18.4	55.0	
77	31.9	25.3	37.9	





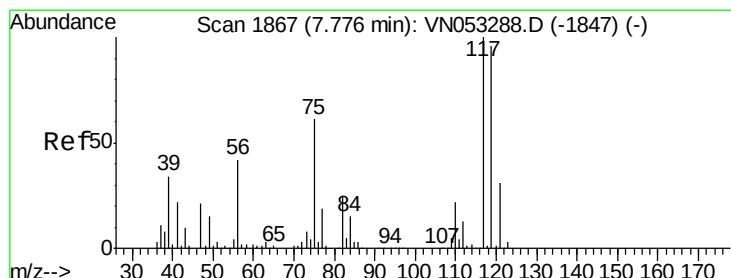
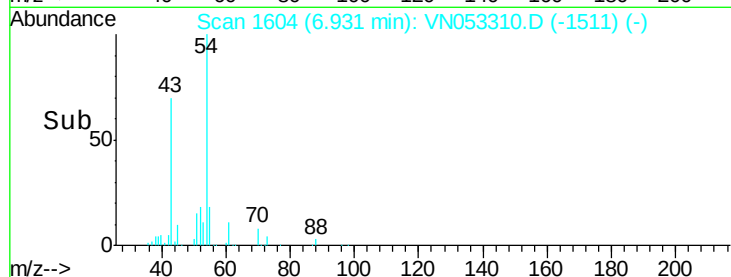
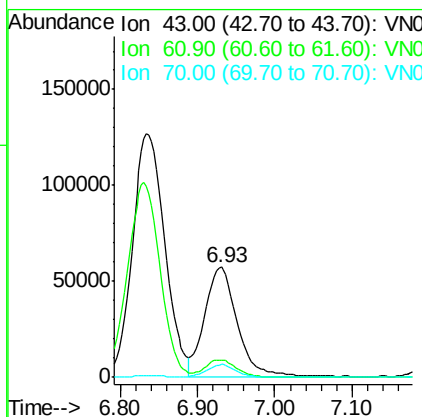
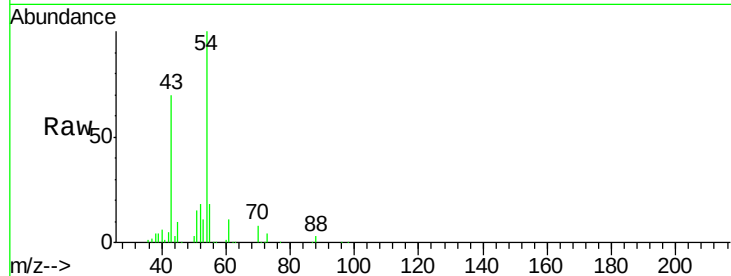
#37
Ethyl Acetate
Concen: 18.913 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.9	17.9
70	10.8	8.6	13.0

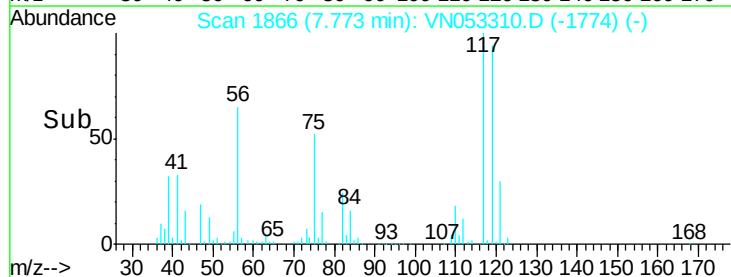
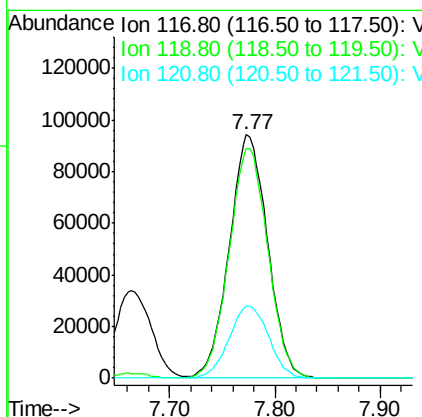
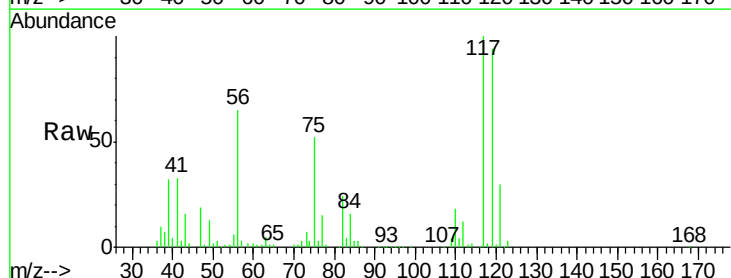
Manual Integrations
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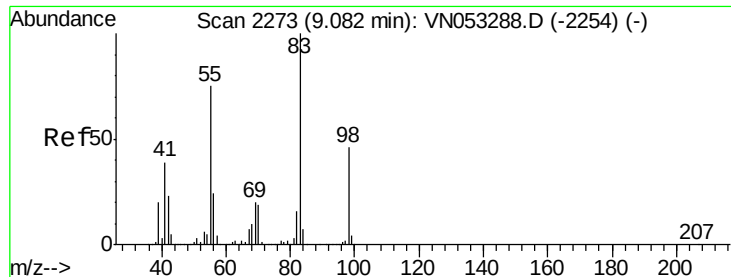
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.811 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.6	115.0
121	29.7	25.0	37.4





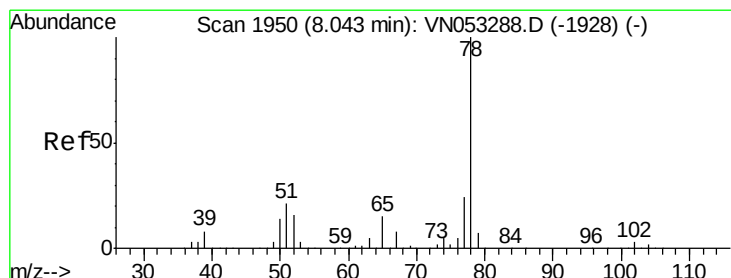
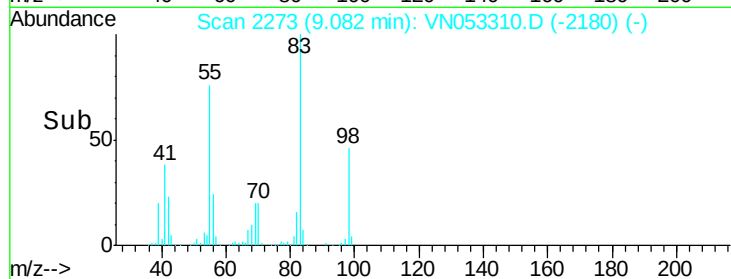
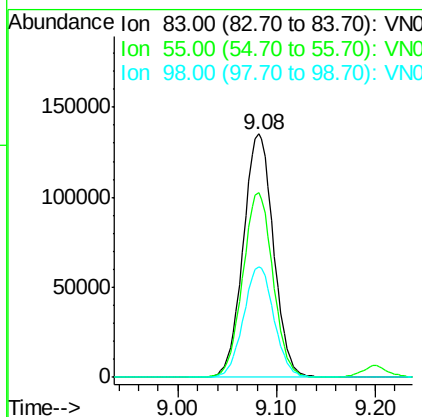
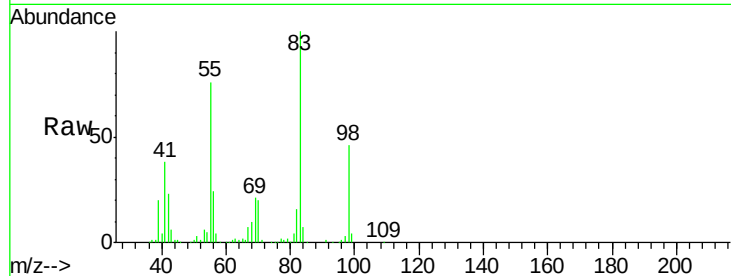
#39
Methylvlcyclohexane
Concen: 18.143 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.6	60.1	90.1	
98	45.6	36.7	55.1	

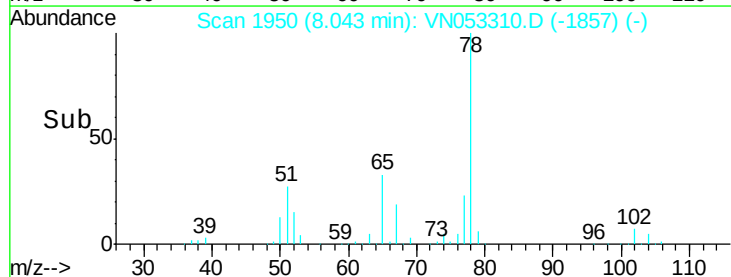
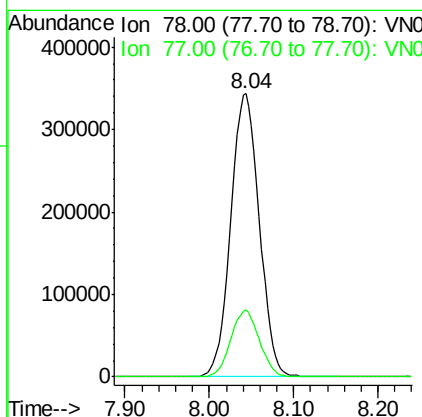
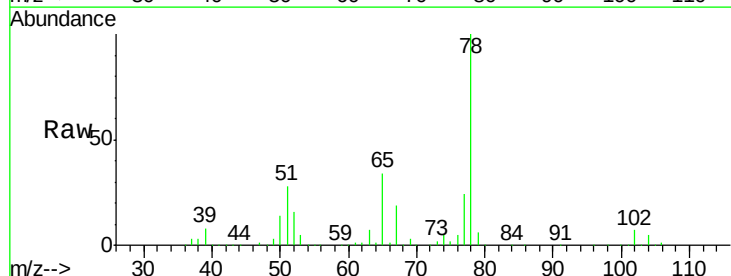
Manual Integrations
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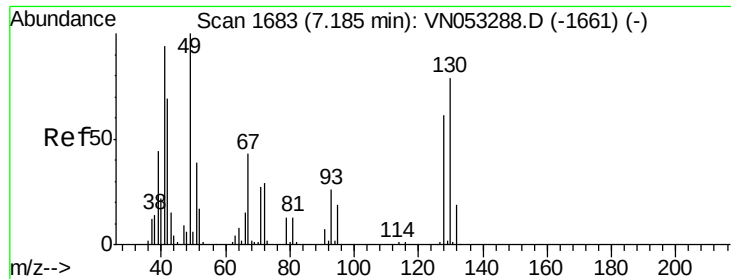
MMDadoda
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#40
Benzene
Concen: 19.445 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	19.0	28.4	





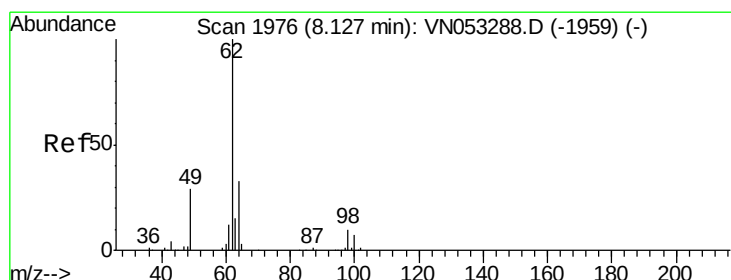
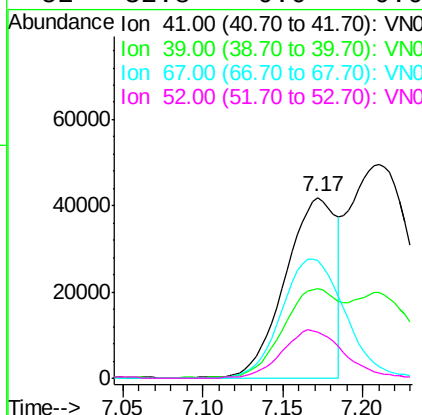
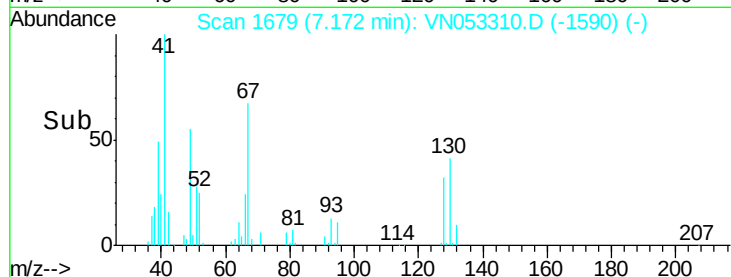
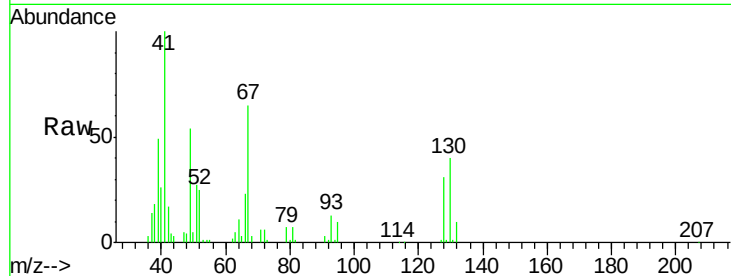
#41
Methacrylonitrile
Concen: 16.905 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	41	Resp	93056
Ion	Ratio	Lower	Upper
41	100		
39	55.0	0.0	0.0#
67	83.0	0.0	0.0#
52	32.8	0.0	0.0#

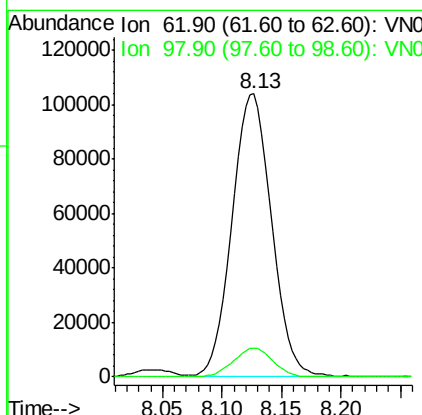
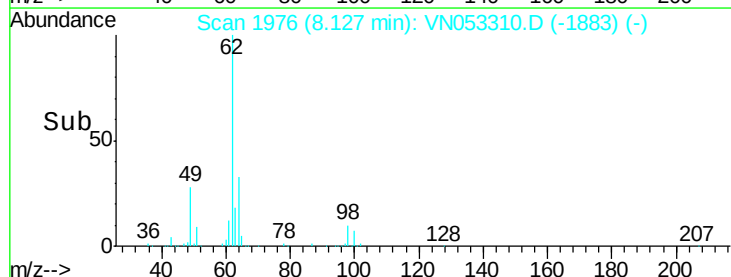
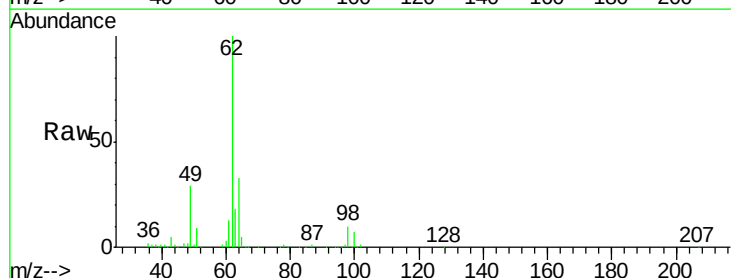
Manual Integrations
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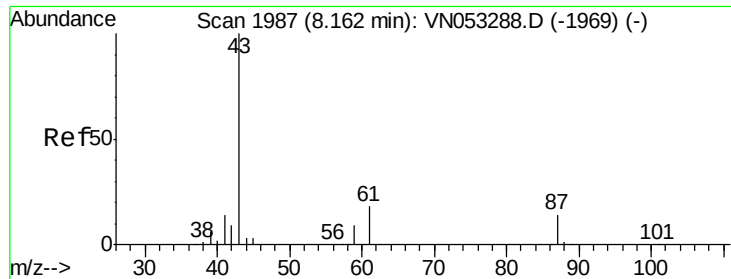
MMDadoda
1/9/2019 10:57:36 AM



#42
1,2-Dichloroethane
Concen: 19.303 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	62	Resp	238074
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 17.444 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

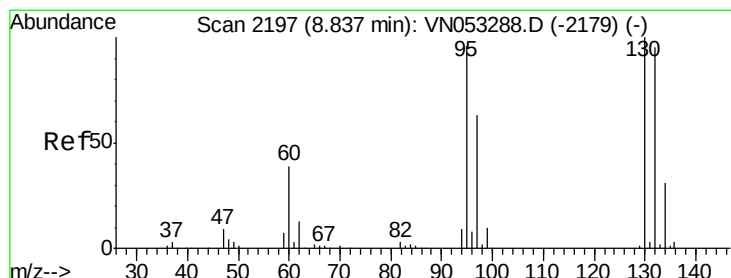
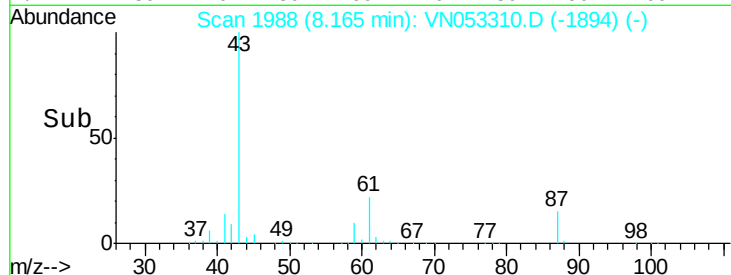
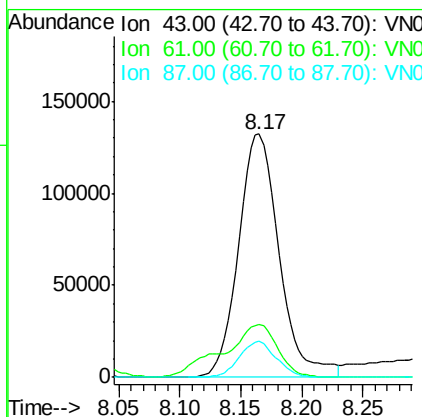
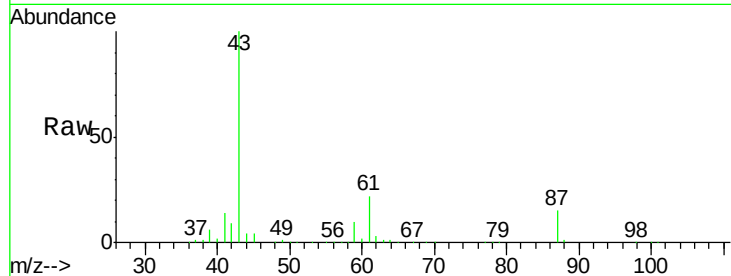
ClientSampled :

VN0108MBS01

Tot Ion:	43	Resp:	304268
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.3	34.9
87	13.4	10.8	16.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.335 ug/l

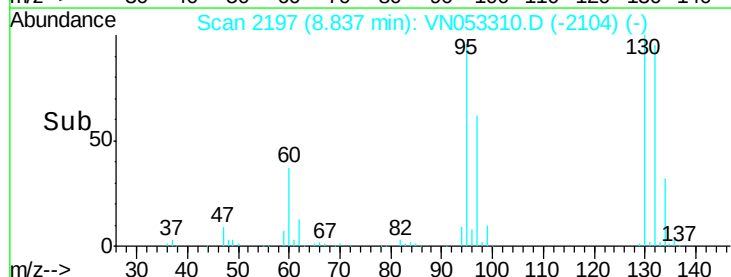
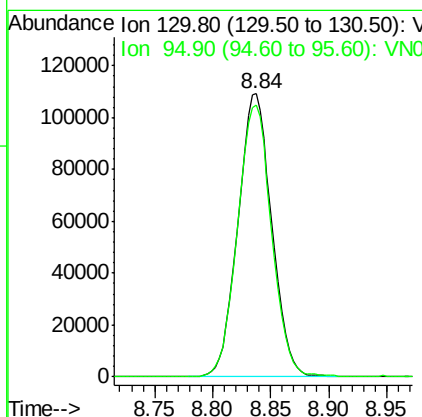
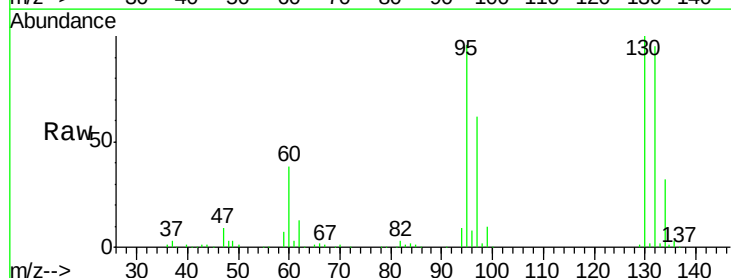
RT: 8.84 min Scan# 2197

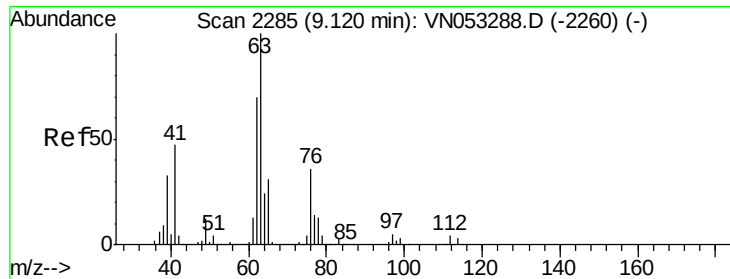
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	130	Resp:	220753
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	191.8





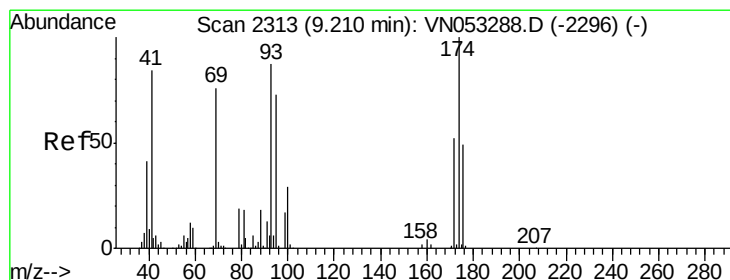
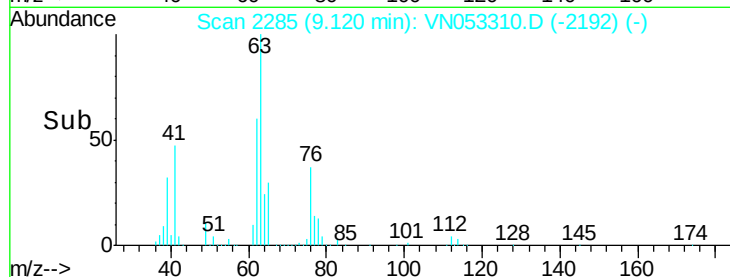
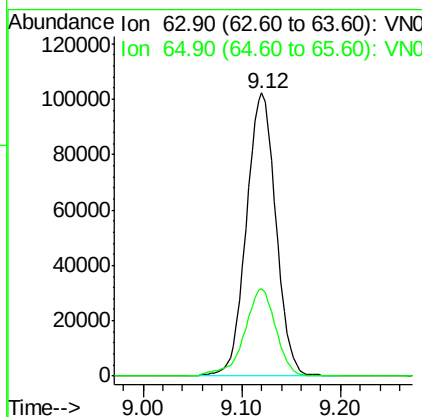
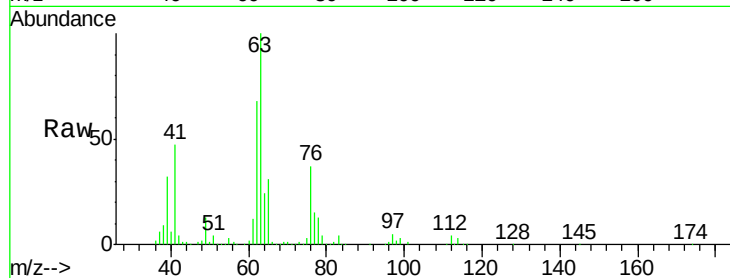
#45
 1,2-Dichloropropane
 Concen: 19.360 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.0	37.6

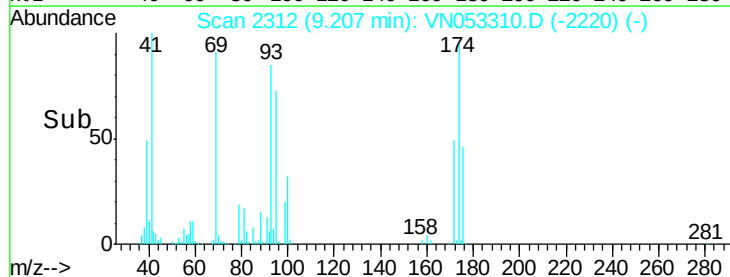
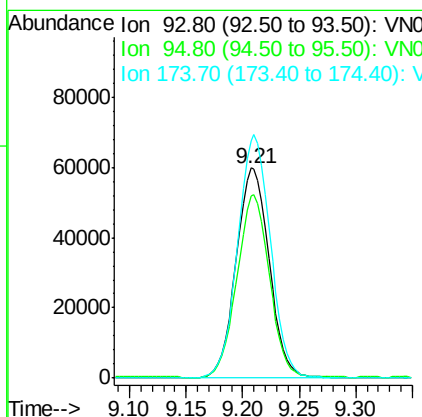
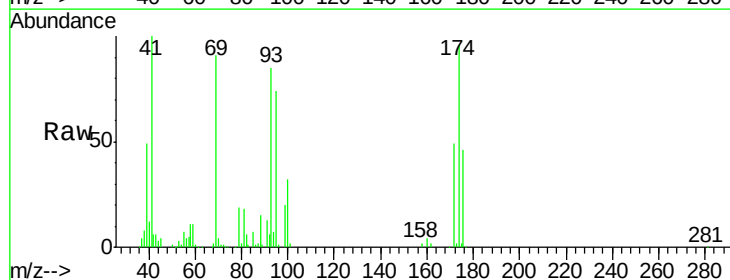
Manual Integrations
 APPROVED

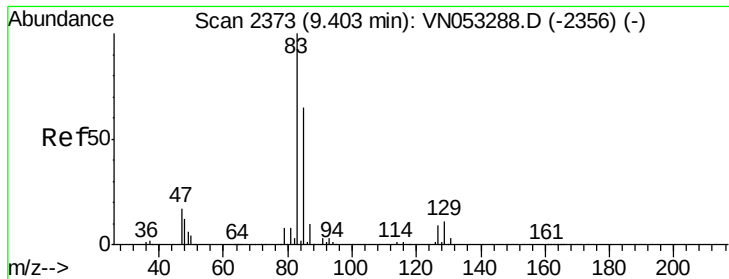
MMDadoda
 1/9/2019 10:57:36 AM



#46
 Dibromomethane
 Concen: 19.242 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.6	100.0
174	114.4	91.4	137.0





#47

Bromodichloromethane

Concen: 18.658 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

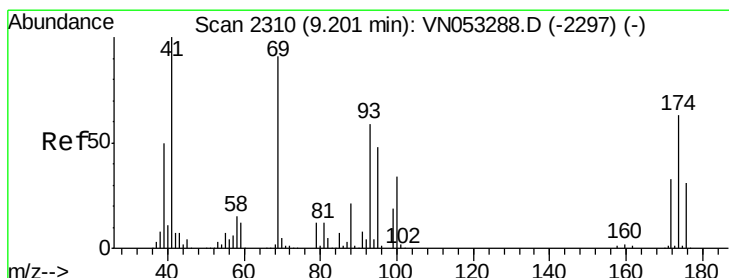
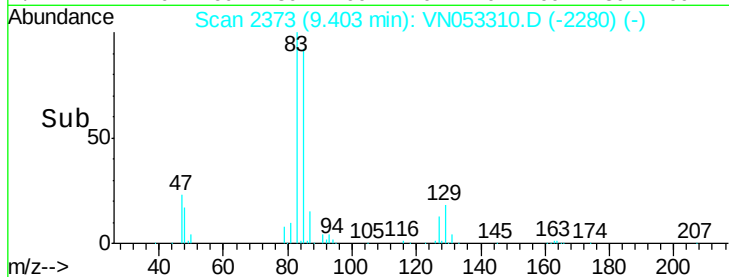
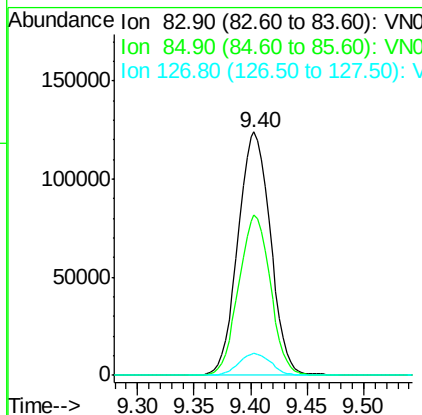
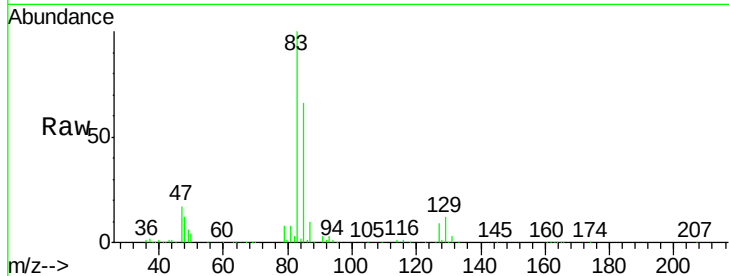
ClientSampleId :

VN0108MBS01

Tot Ion:	83	Resp:	247229
Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.7	77.5
127	9.1	7.0	10.6

Manual Integrations
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MMDadoda
1/9/2019 10:57:36 AM



#48

Methyl methacrylate

Concen: 18.979 ug/l

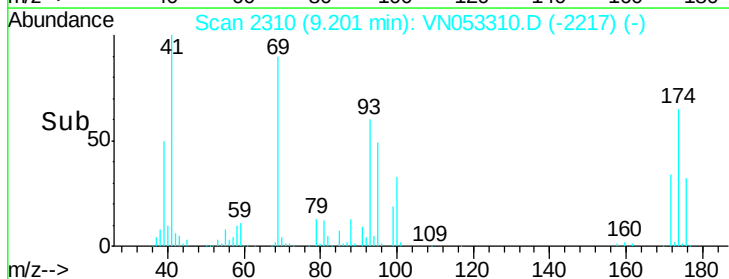
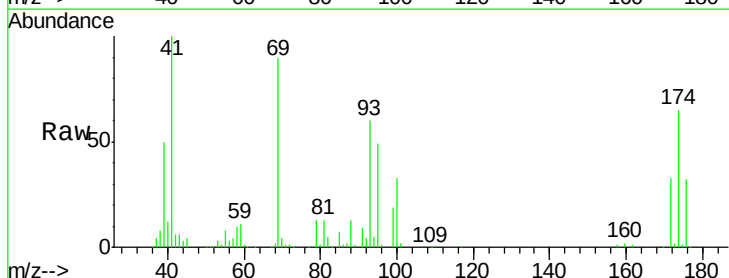
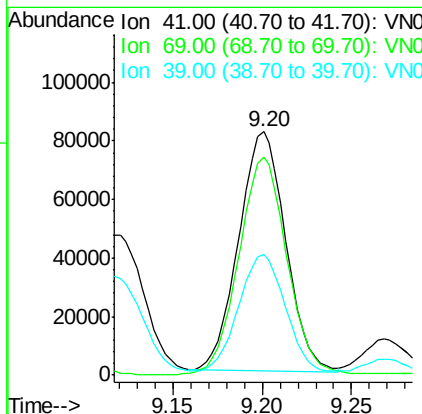
RT: 9.20 min Scan# 2310

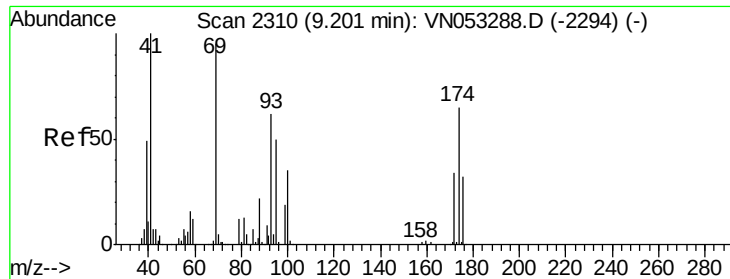
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	41	Resp:	150394
Ion	Ratio	Lower	Upper
41	100		
69	93.9	73.5	110.3
39	51.6	41.6	62.4





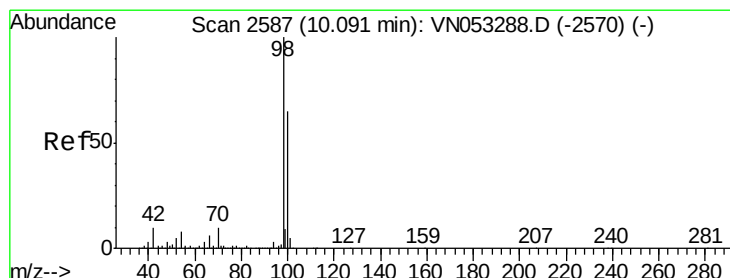
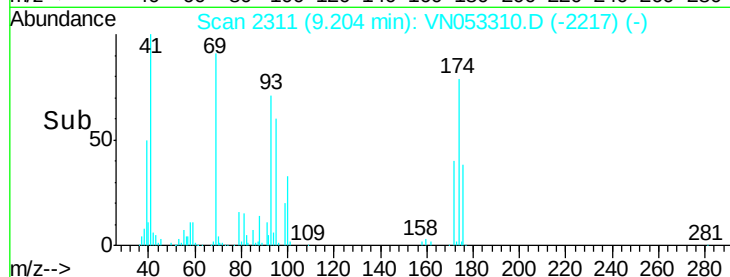
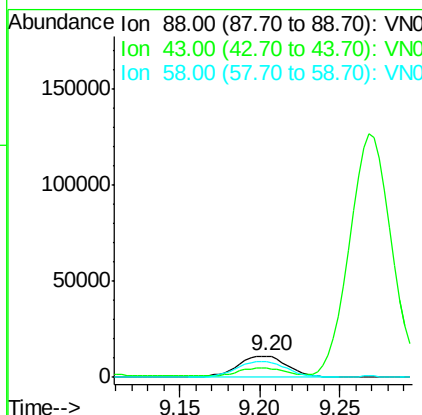
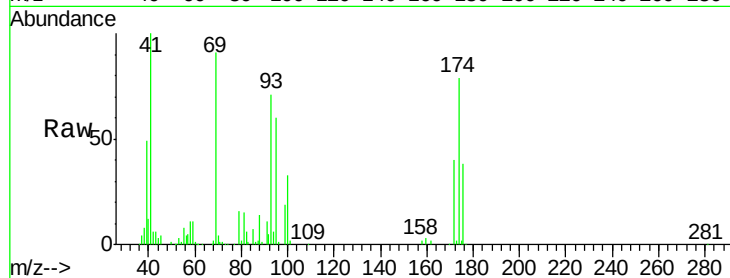
#49
1,4-Dioxane
Concen: 281.212 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	88	Resp	23742
Ion	Ratio	Lower	Upper
88	100		
43	37.0	26.2	39.4
58	75.1	55.5	83.3

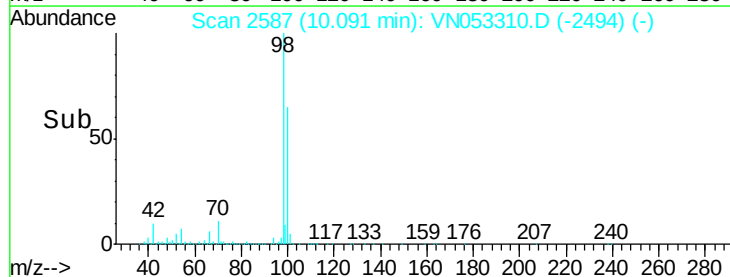
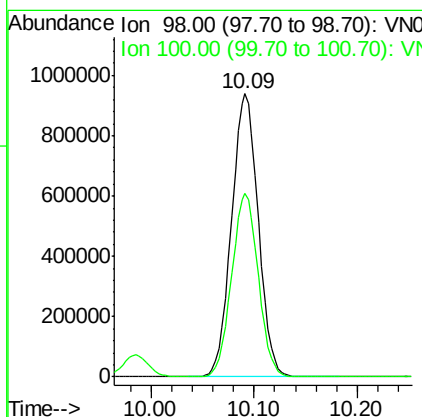
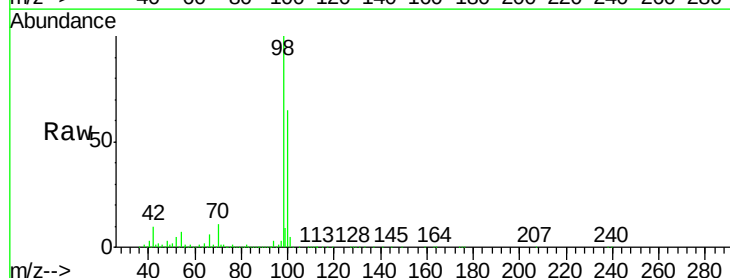
Manual Integrations
APPROVED

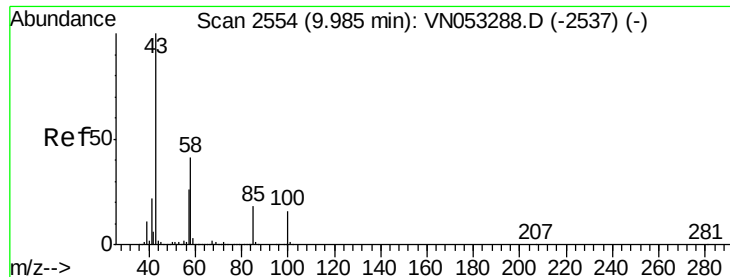
MMDadoda
1/9/2019 10:57:36 AM



#50
Toluene-d8
Concen: 281.212 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	98	Resp	1693520
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 94.762 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 43 Resp: 831196

Ion Ratio Lower Upper

43 100

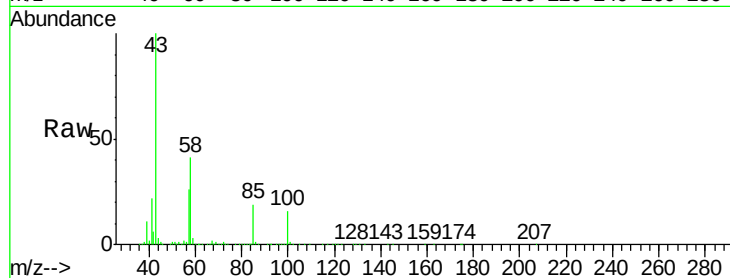
58 41.2 32.7 49.1

Manual Integrations

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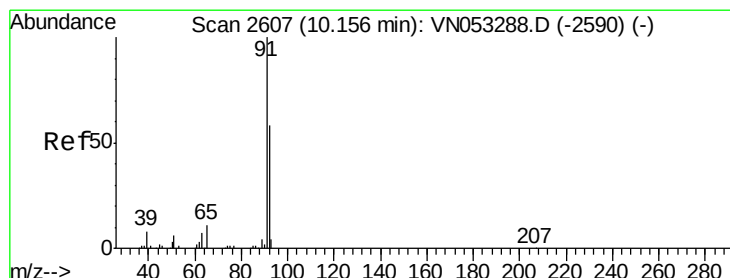
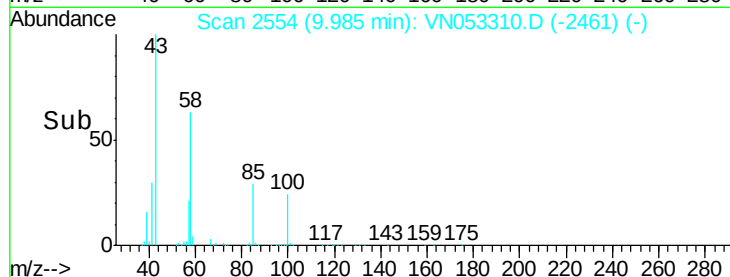
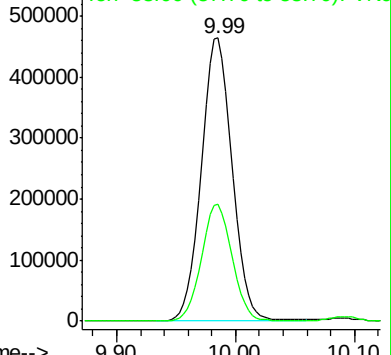
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.600 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053310.D

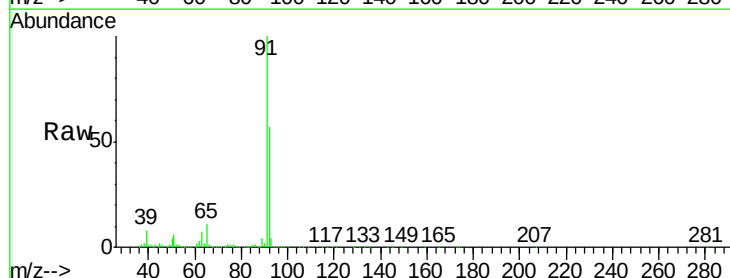
Acq: 8 Jan 2019 11:30

Tgt Ion: 92 Resp: 499982

Ion Ratio Lower Upper

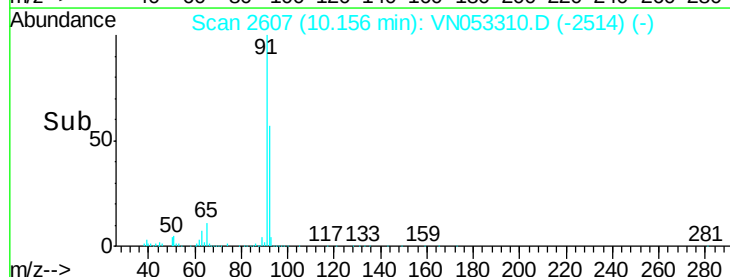
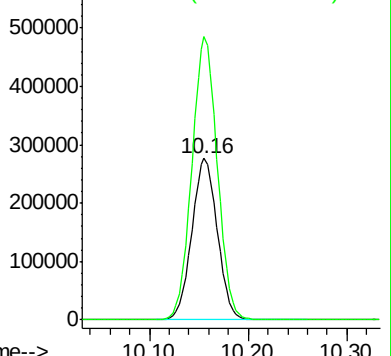
92 100

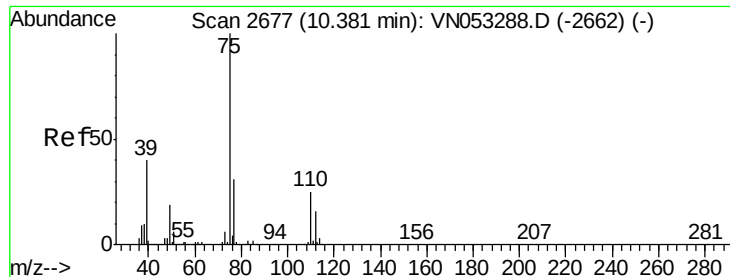
91 174.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





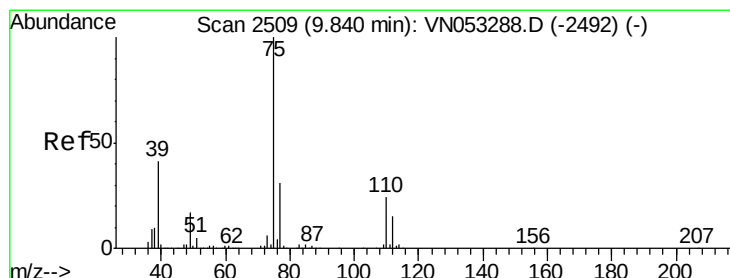
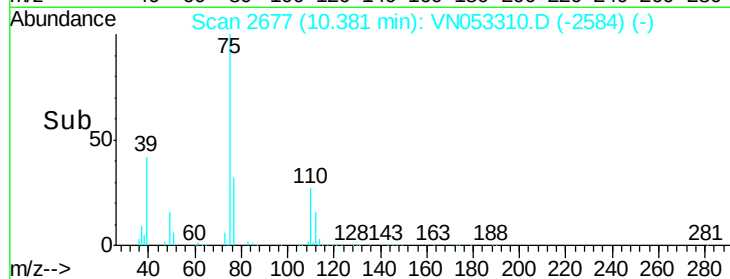
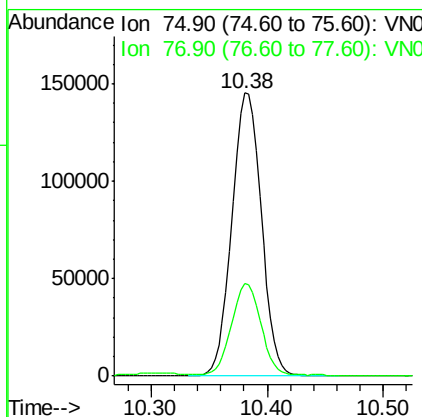
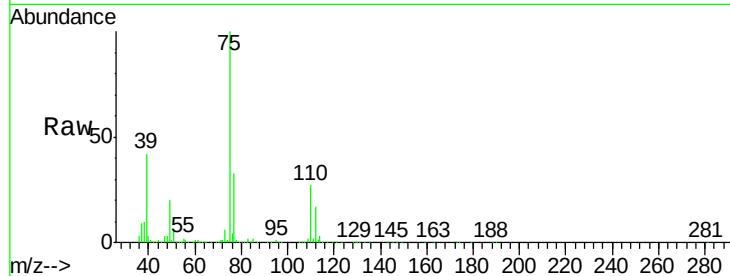
#53
t-1,3-Dichloropropene
Concen: 18.863 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

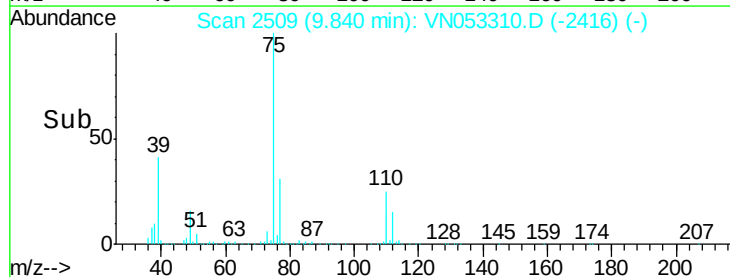
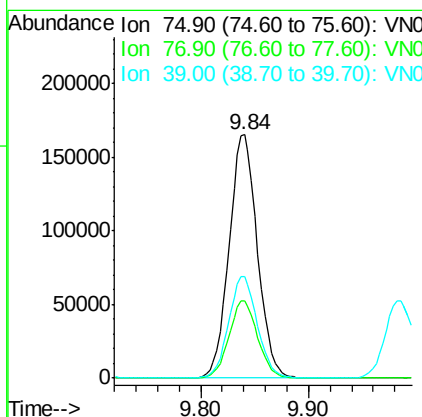
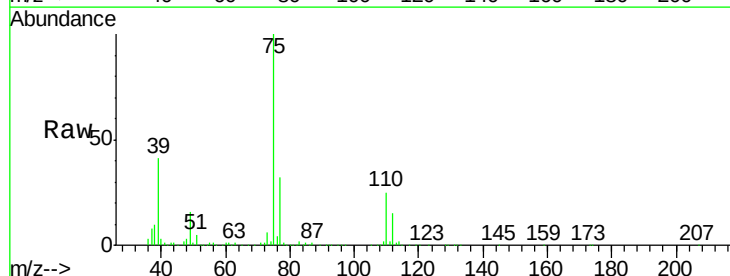
Manual Integrations
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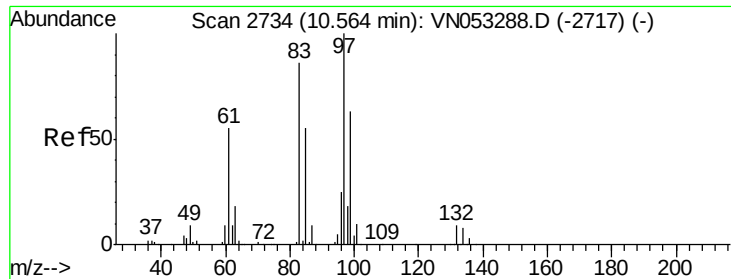
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#54
cis-1,3-Dichloropropene
Concen: 19.290 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	41.3	33.1	49.7





#55

1,1,2-Trichloroethane

Concen: 18.936 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

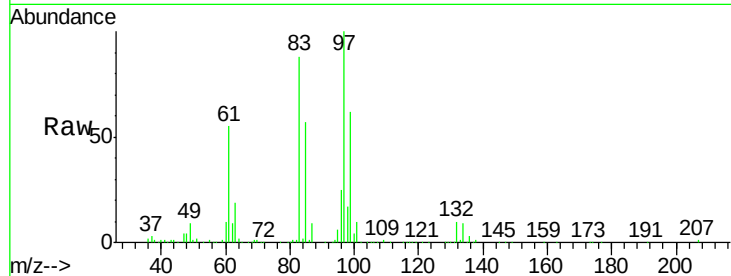
ClientSampled :

VN0108MBS01

Tot Ion:	97	Resp:	177612
Ion	Ratio	Lower	Upper
97	100		
83	88.2	69.1	103.7
85	56.7	44.2	66.4
99	62.2	50.3	75.5

Manual Integrations
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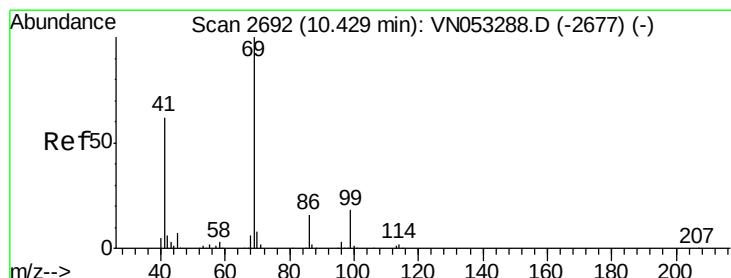
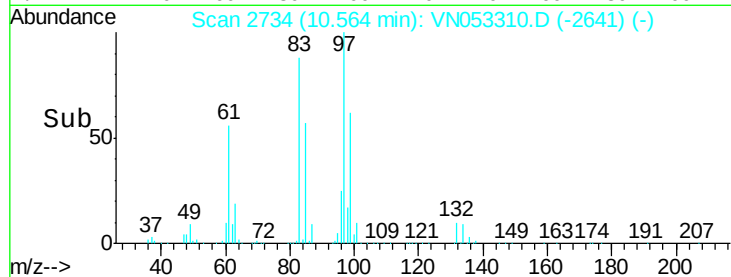
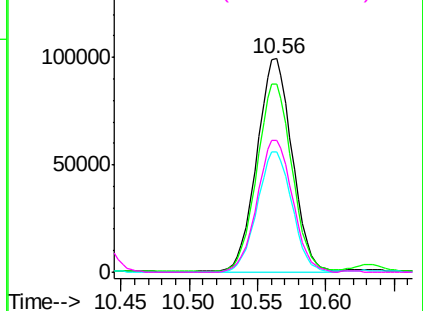
Abundance

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: 19.811 ug/l

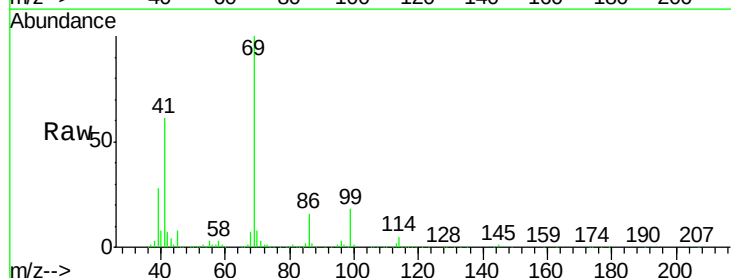
RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	69	Resp:	241475
Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.2	73.8
39	28.1	23.4	35.0

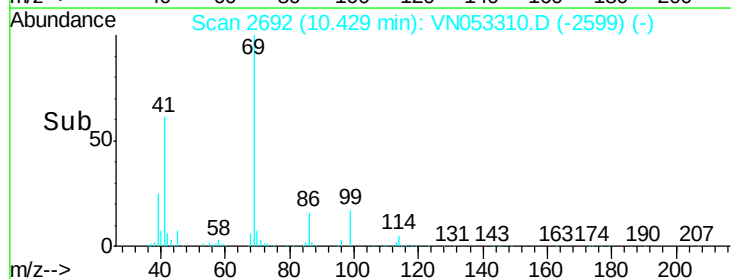
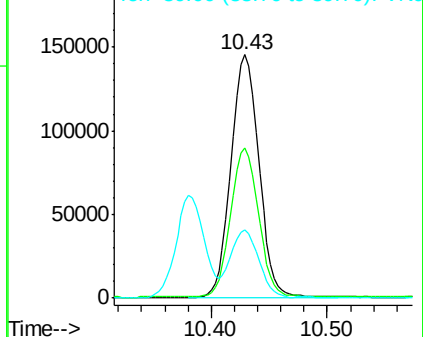


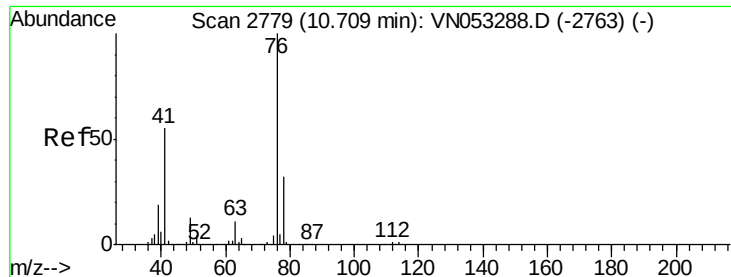
Abundance

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





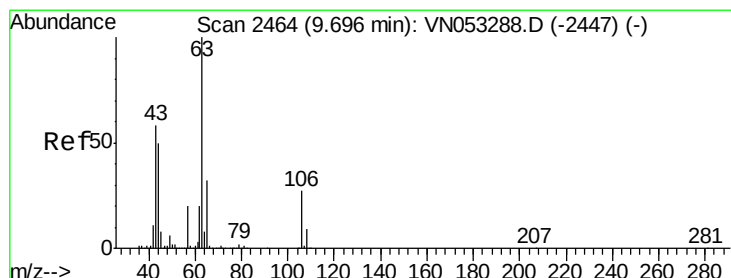
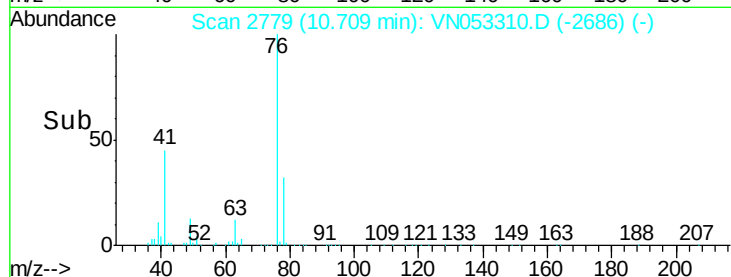
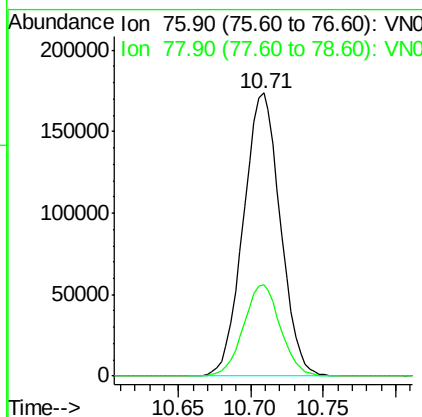
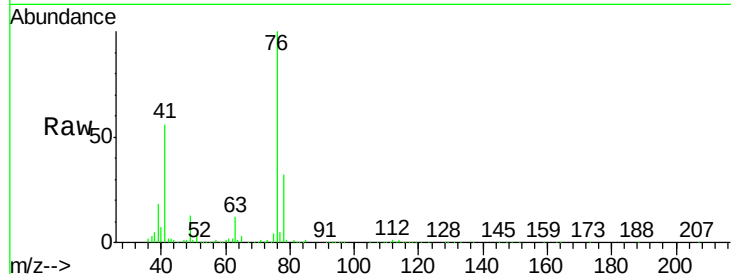
#57
 1,3-Dichloropropane
 Concen: 19.622 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

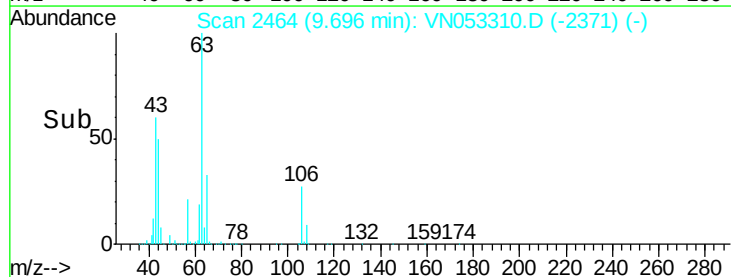
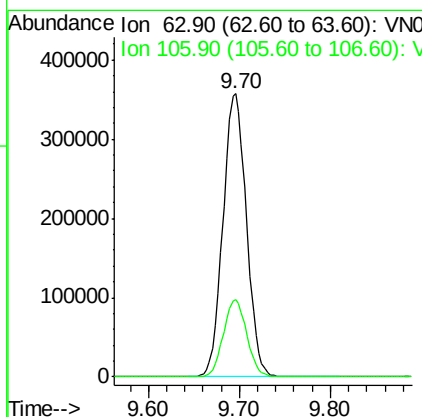
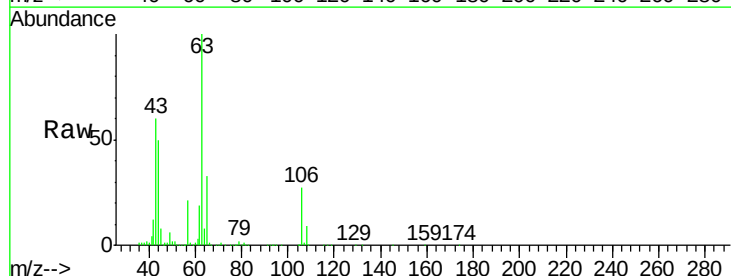
Manual Integrations
 APPROVED

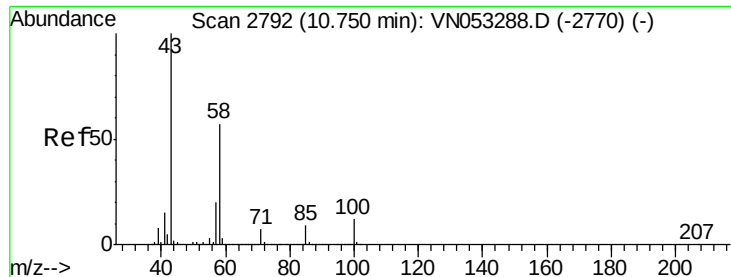
MMDadoda
 1/9/2019 10:57:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.117 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.1	21.7	32.5





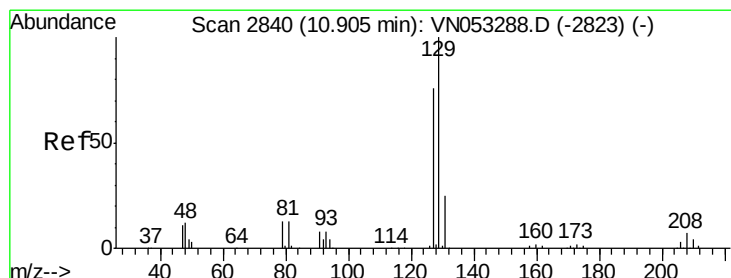
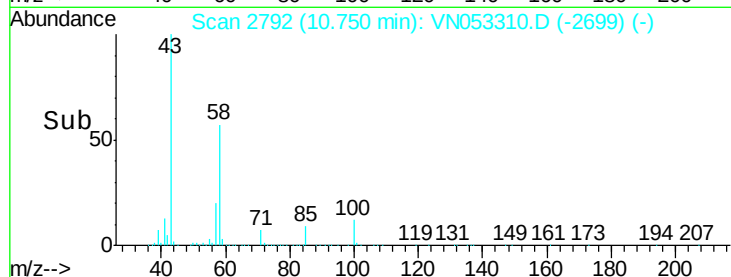
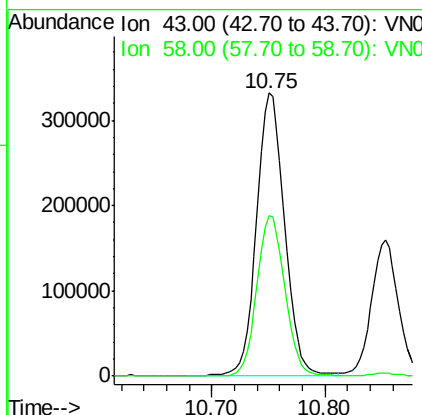
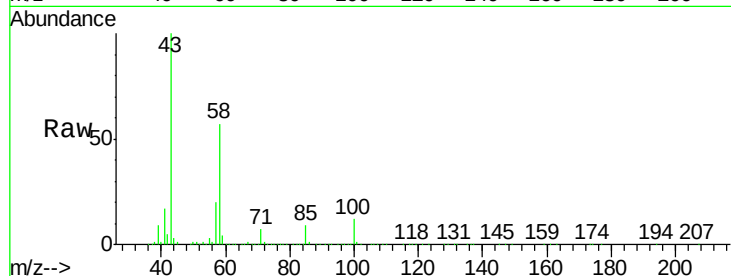
#59
2-Hexanone
Concen: 94.976 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0108MBS01

Tot Ion: 43 Resp: 570788
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0

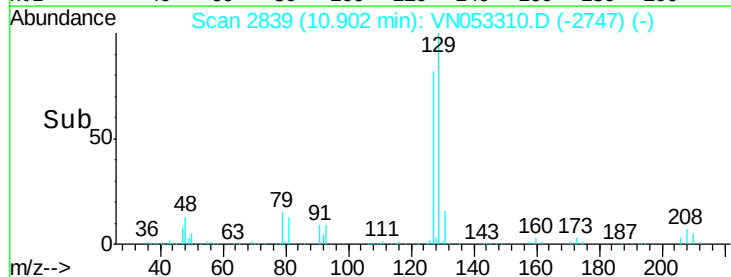
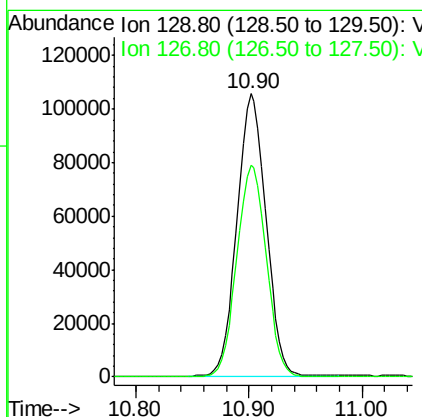
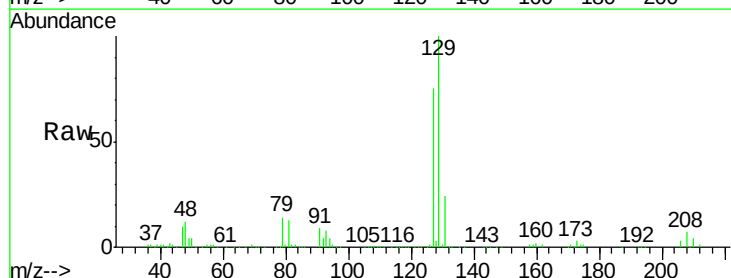
Manual Integrations
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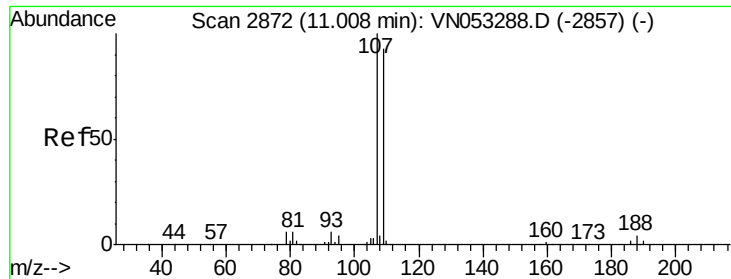
MMDadoda
1/9/2019 10:57:36 AM



#60
Dibromochloromethane
Concen: 18.615 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion: 129 Resp: 188316
Ion Ratio Lower Upper
129 100
127 76.4 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.208 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion:107 Resp: 177787

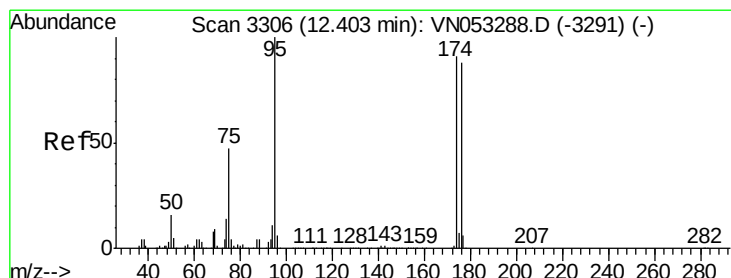
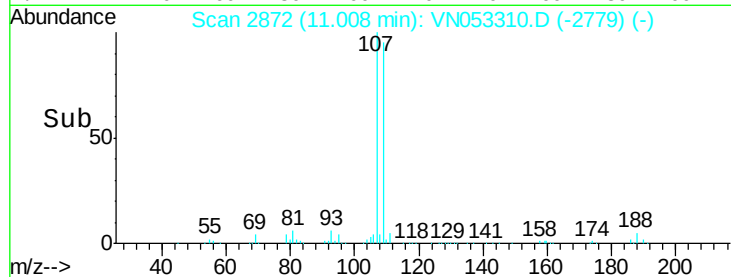
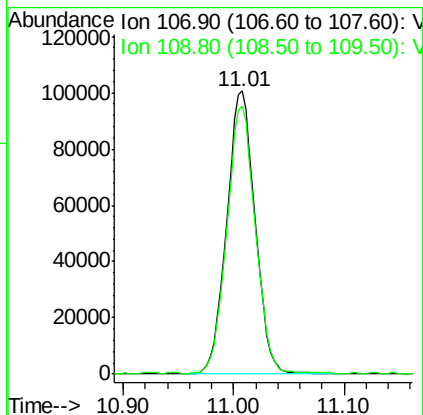
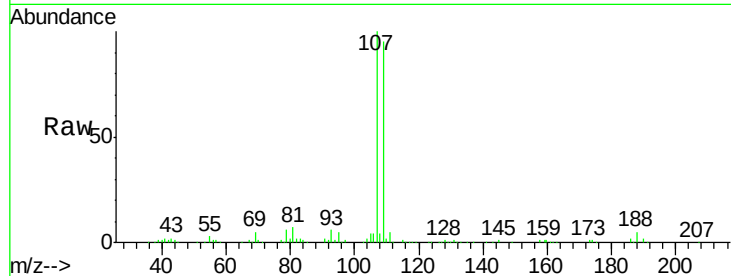
Ion Ratio Lower Upper

107 100

109 95.2 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:57:36 AM



#62

4-Bromofluorobenzene

Concen: 19.208 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

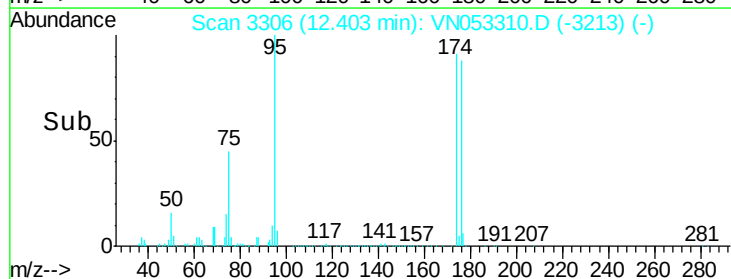
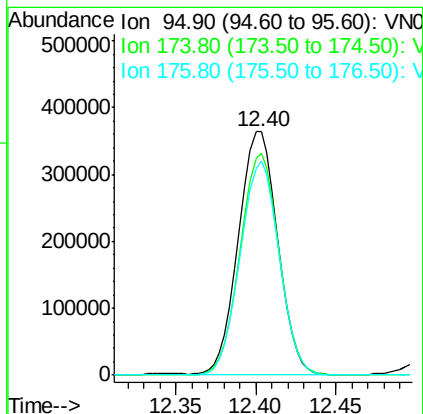
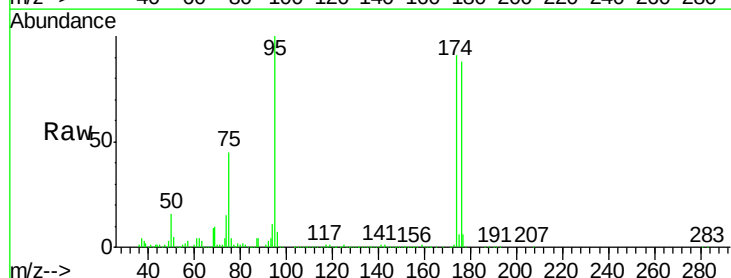
Tgt Ion: 95 Resp: 605897

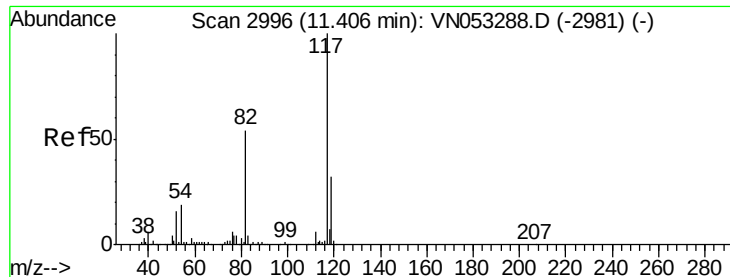
Ion Ratio Lower Upper

95 100

174 90.8 0.0 180.4

176 87.4 0.0 175.6





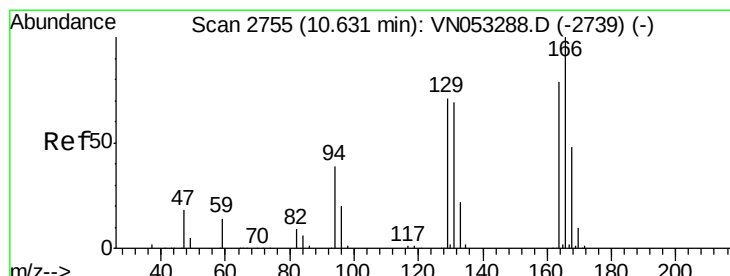
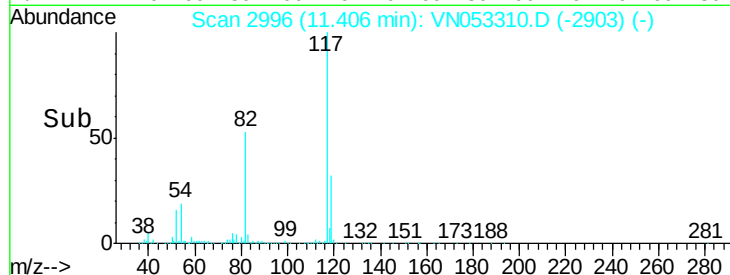
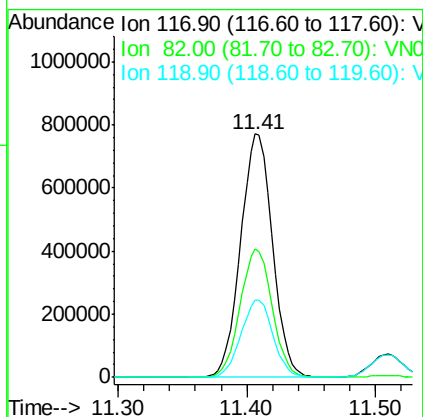
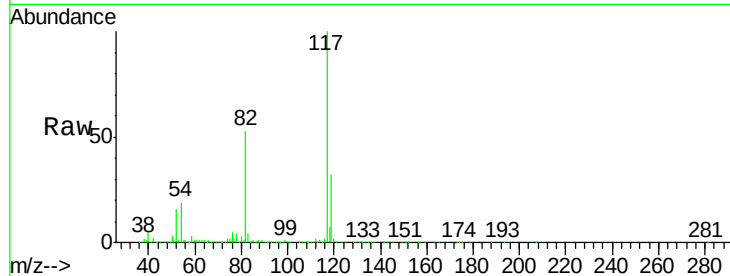
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion:117 Resp: 1324792
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 31.7 25.6 38.4

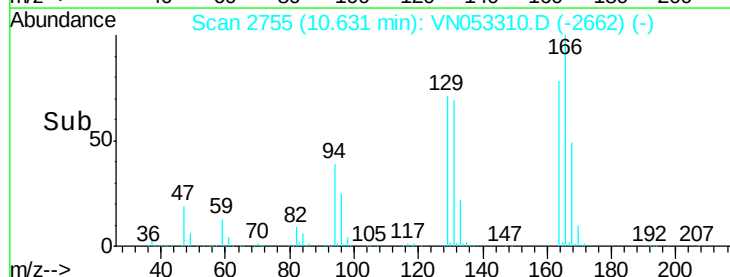
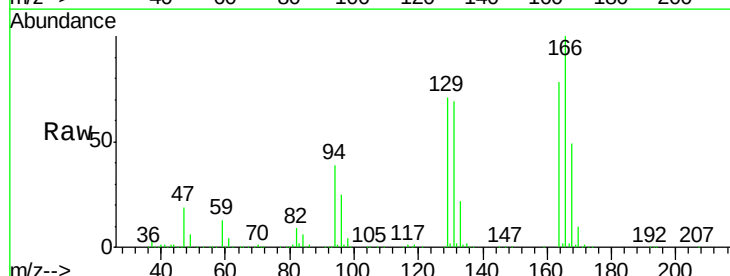
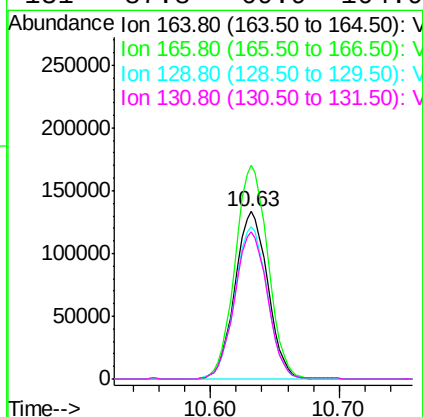
Manual Integrations
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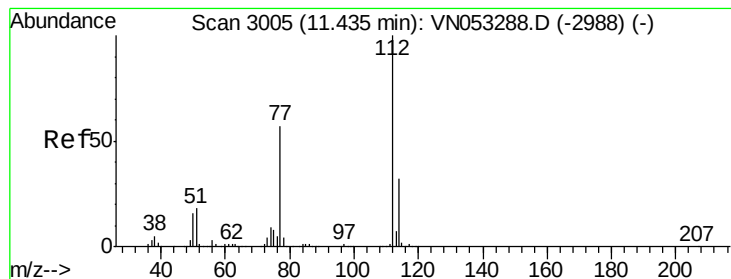
MMDadoda
1/9/2019 10:57:36 AM



#64
Tetrachloroethene
Concen: 18.937 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion:164 Resp: 236121
Ion Ratio Lower Upper
164 100
166 127.7 101.7 152.5
129 91.1 72.1 108.1
131 87.8 69.9 104.9





#65

Chlorobenzene

Concen: 19.536 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion:112 Resp: 562225

Ion Ratio Lower Upper

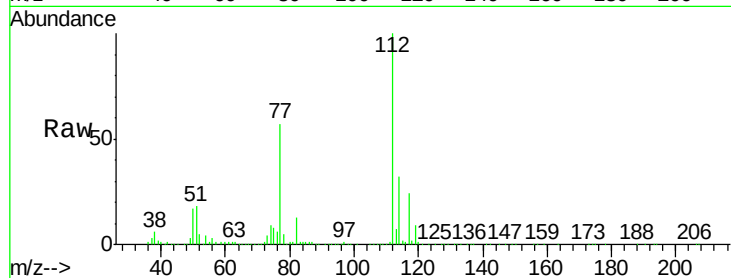
112 100

114 32.2 25.6 38.4

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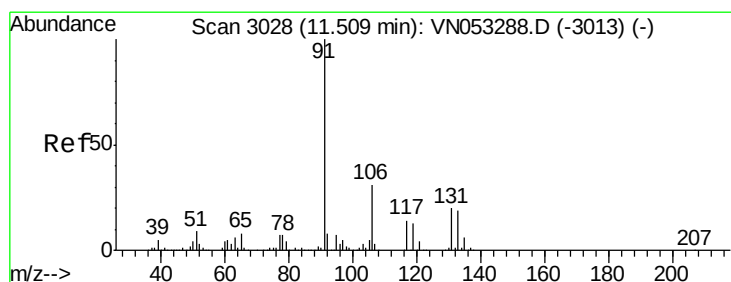
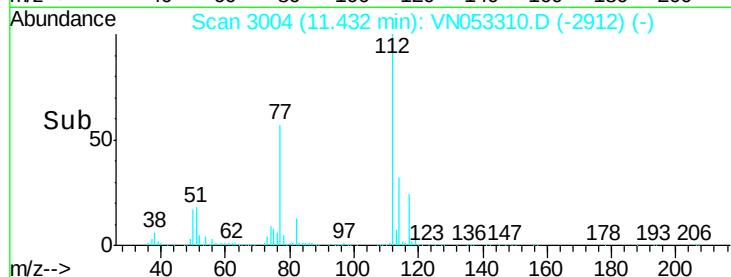
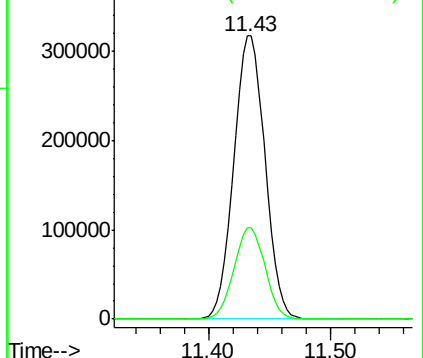
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.641 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

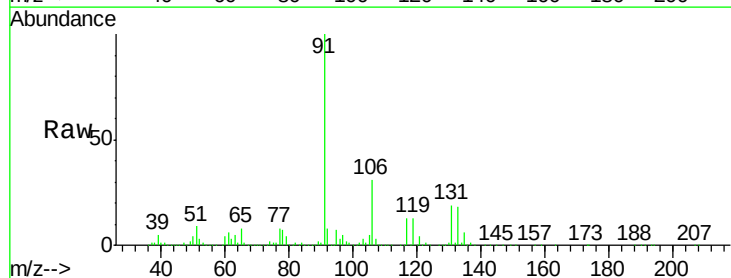
Tgt Ion:131 Resp: 187770

Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.0

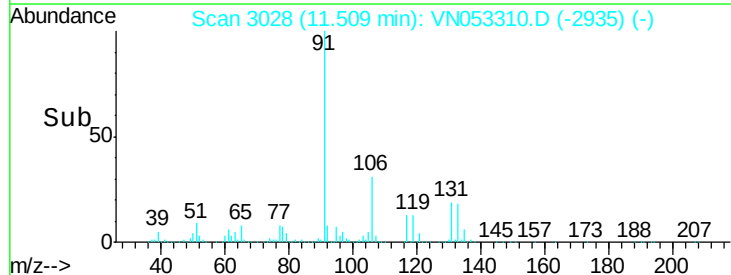
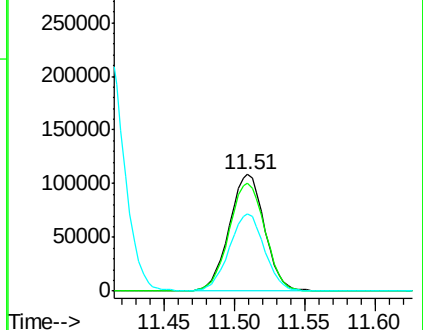
119 66.2 33.3 99.9

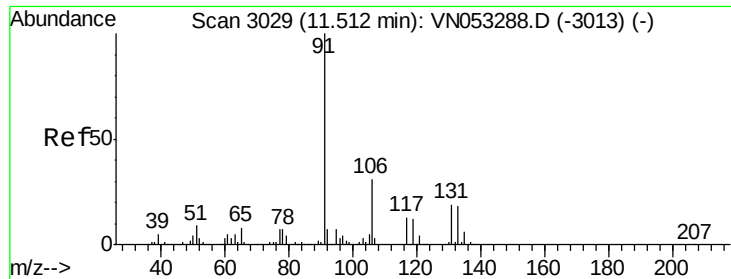


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.628 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 91 Resp: 959868

Ion Ratio Lower Upper

91 100

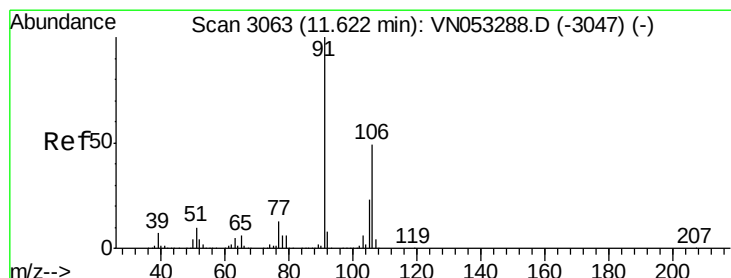
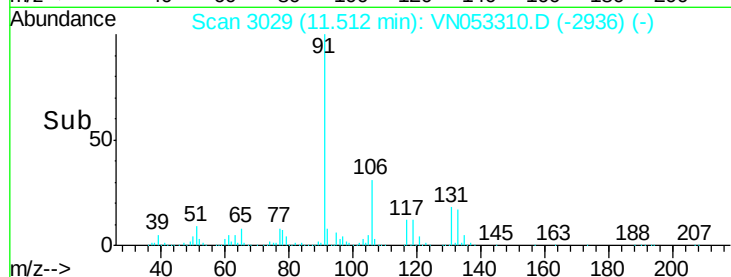
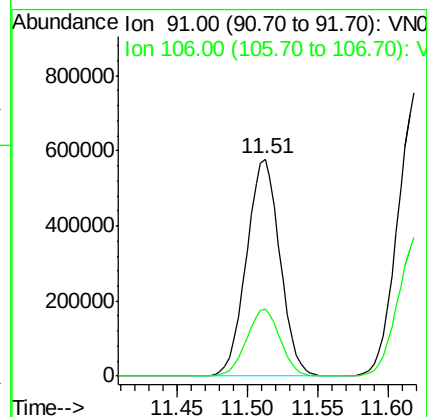
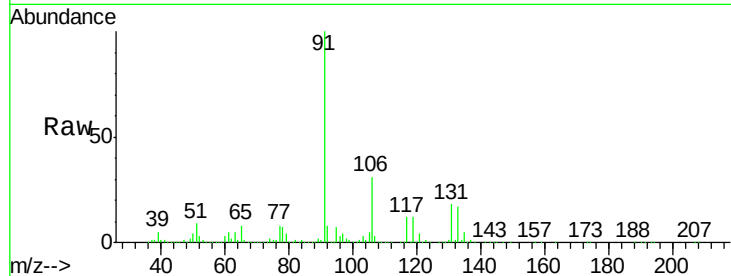
106 30.7 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 39.769 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053310.D

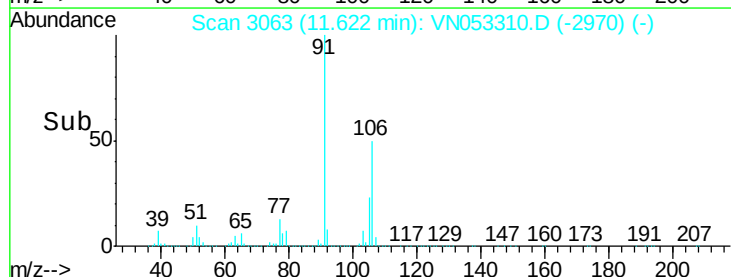
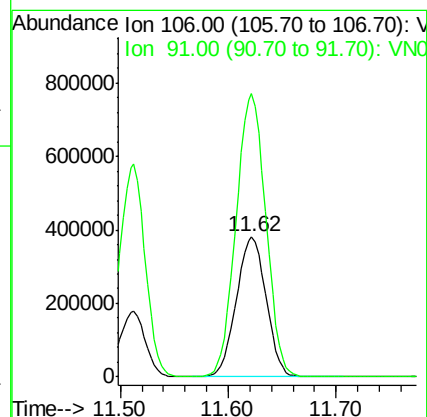
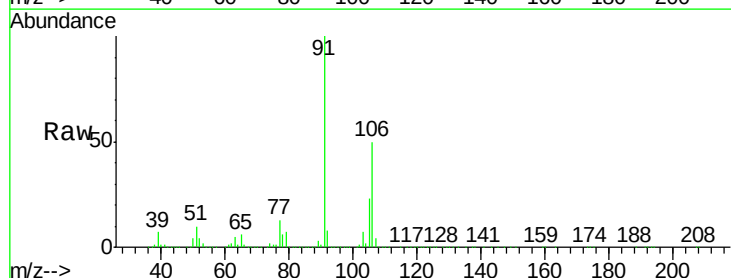
Acq: 8 Jan 2019 11:30

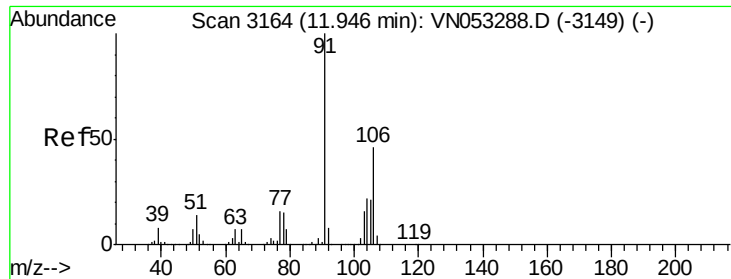
Tgt Ion: 106 Resp: 731295

Ion Ratio Lower Upper

106 100

91 202.2 161.4 242.2





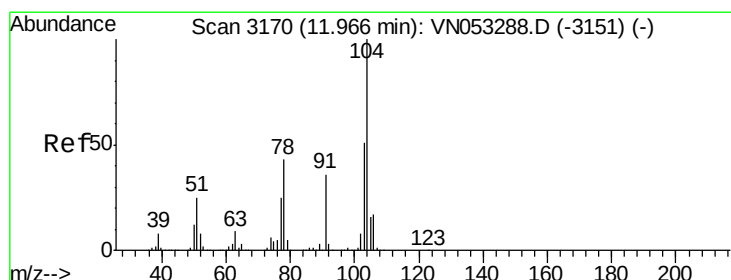
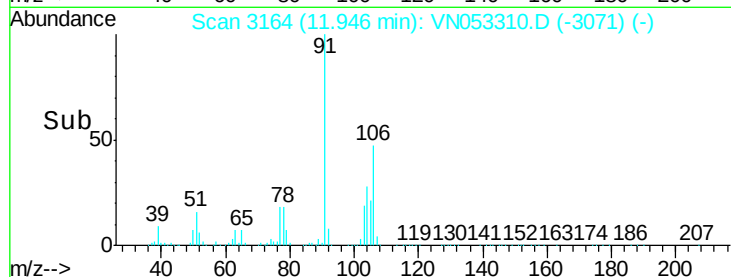
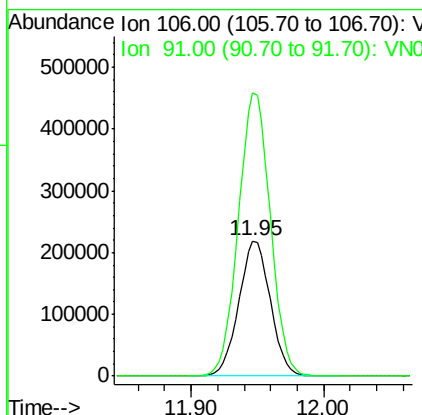
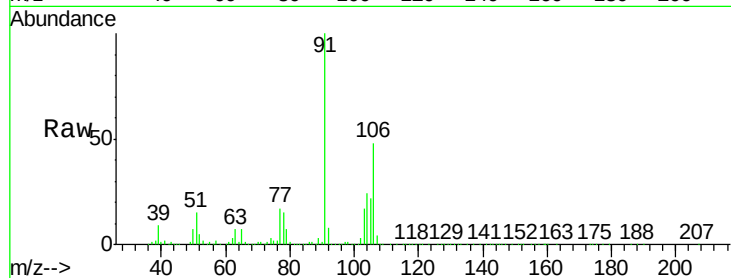
#69
o-Xylene
Concen: 20.038 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		360731		
91	211.7	106.8	320.4		

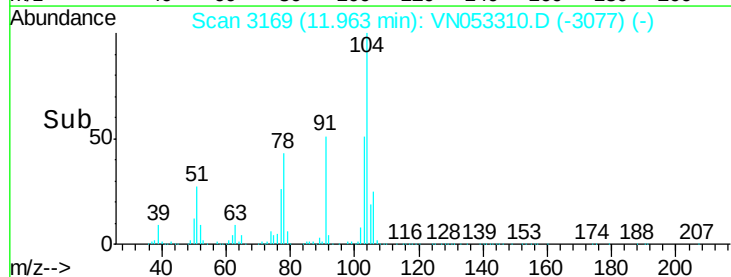
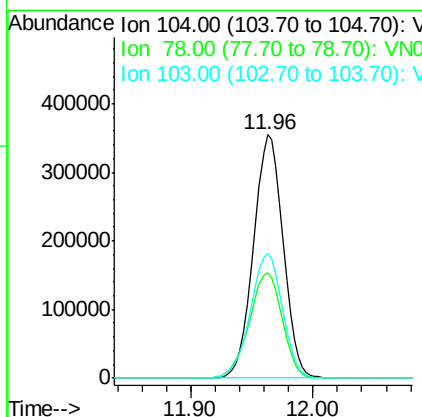
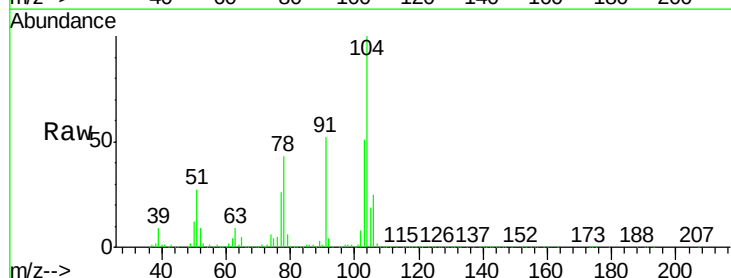
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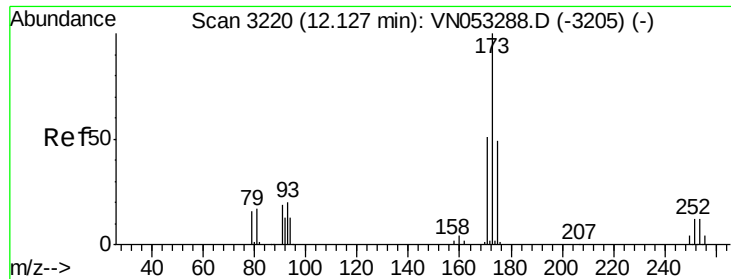
MMDadoda
1/9/2019 10:57:36 AM



#70
Styrene
Concen: 20.165 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		590825		
78	48.2	38.5	57.7		
103	55.5	44.5	66.7		





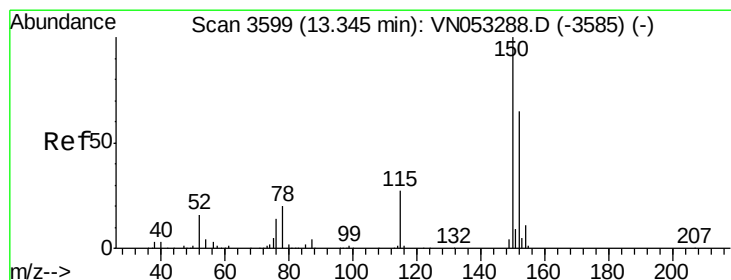
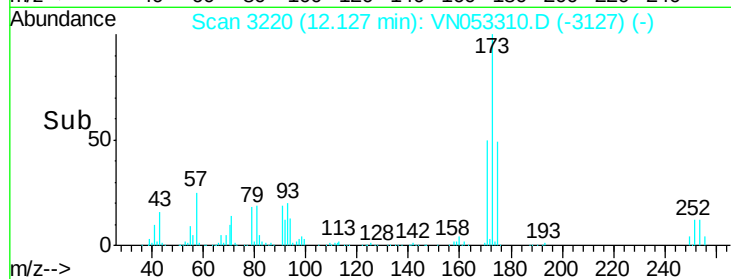
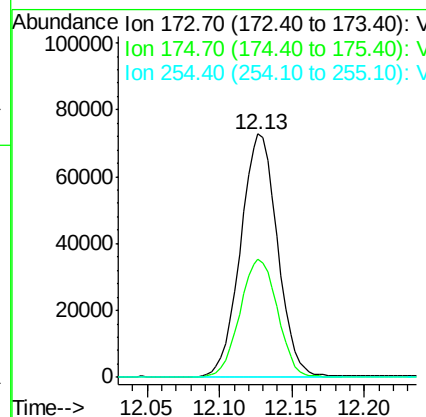
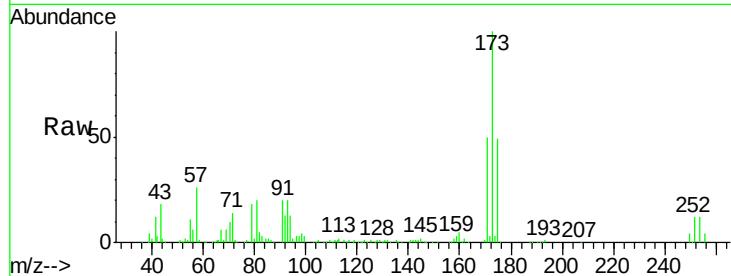
#71
Bromoform
Concen: 18.037 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.8
254	0.0	0.2	0.2#

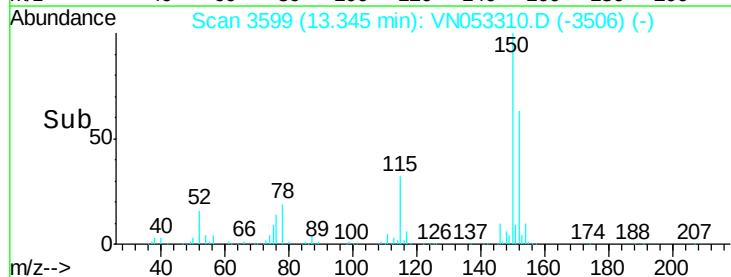
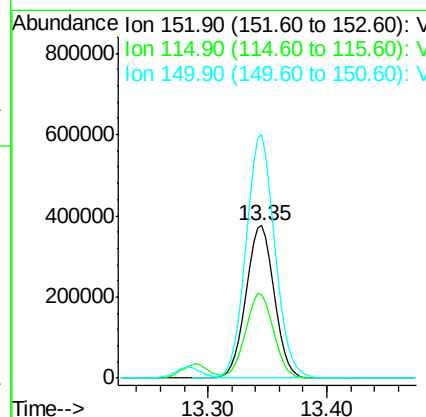
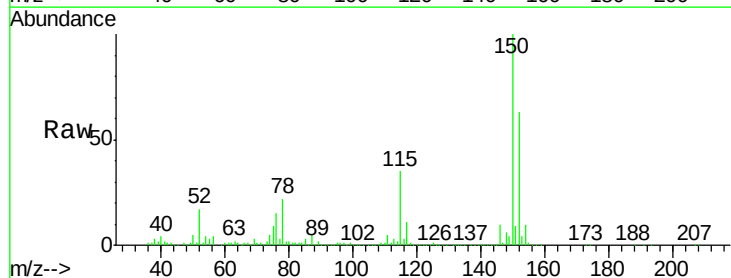
Manual Integrations
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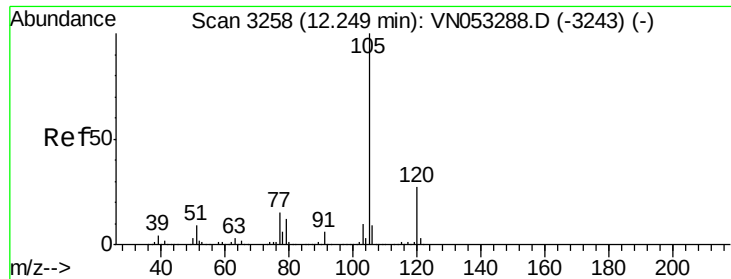
MMDadoda
1/9/2019 10:57:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	28.0	84.0
150	164.0	0.0	346.6





#73

Isopropylbenzene

Concen: 20.311 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

VN0108MBS01

Tot Ion:105 Resp: 929838

Ion Ratio Lower Upper

105 100

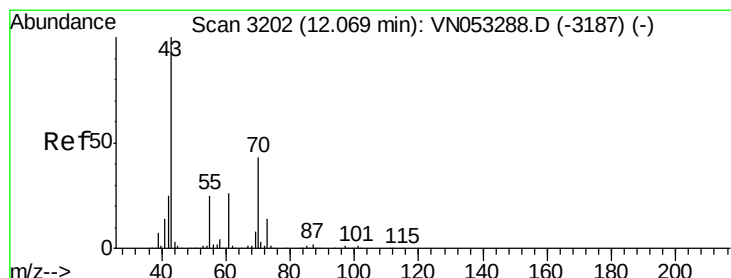
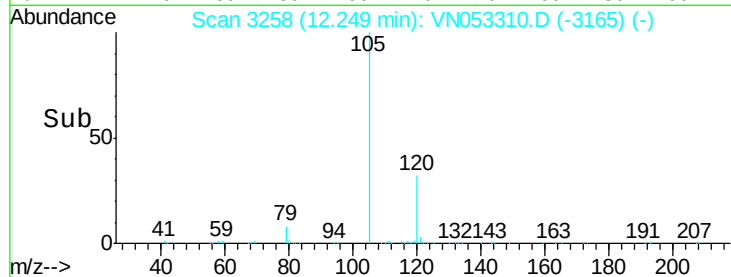
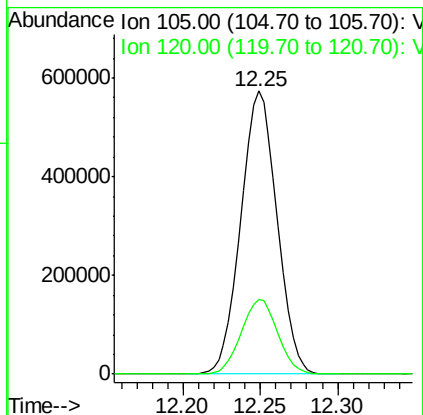
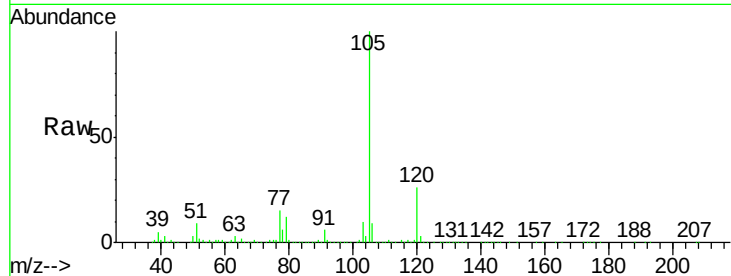
120 26.8 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.601 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion: 43 Resp: 295280

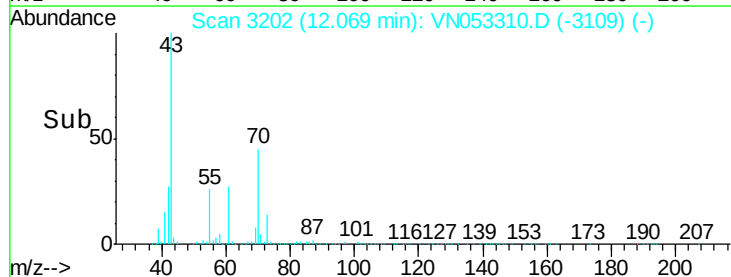
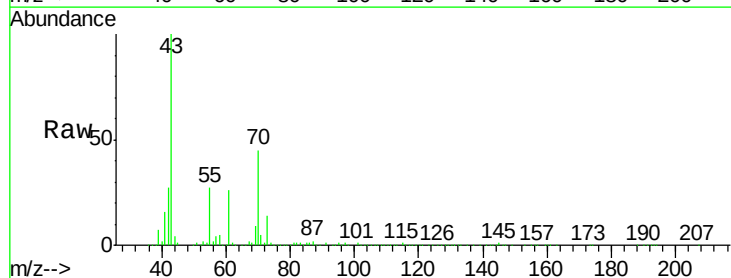
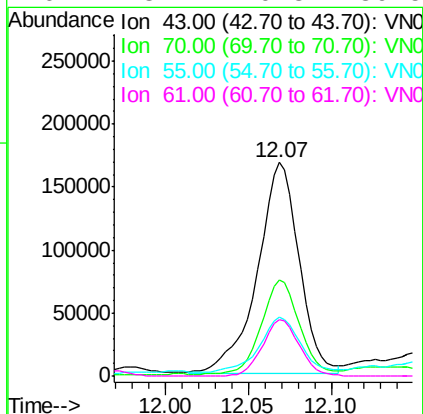
Ion Ratio Lower Upper

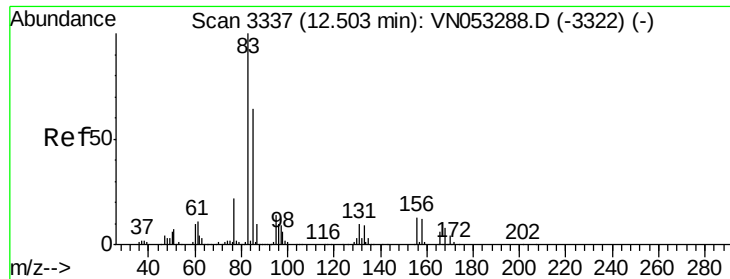
43 100

70 40.3 35.0 52.6

55 27.2 20.0 30.0

61 23.4 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.756 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

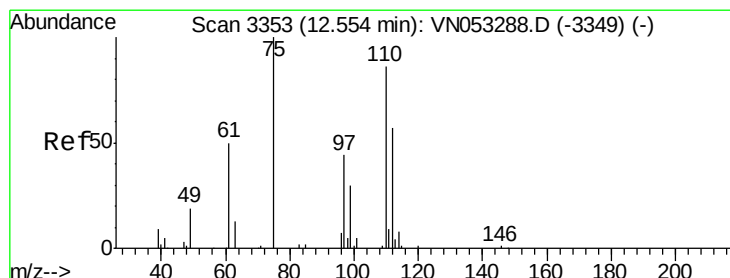
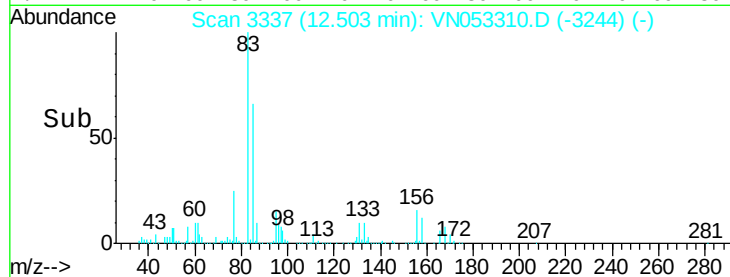
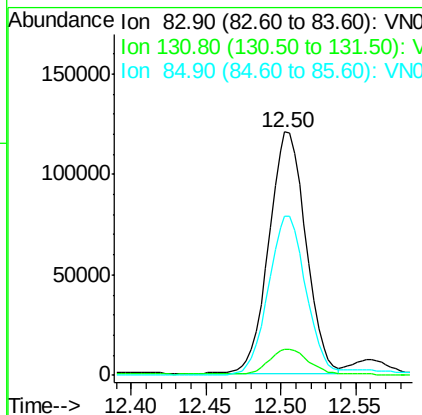
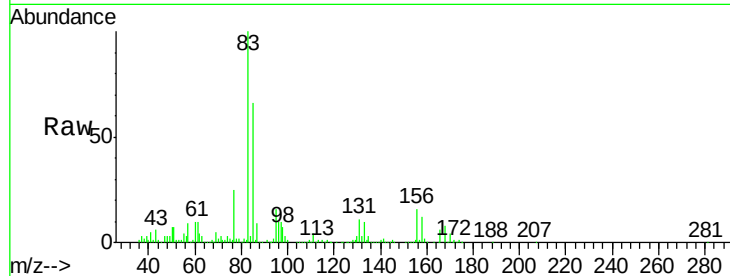
ClientSampleId :

VN0108MBS01

Tot Ion:	83	Resp:	208049
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.9
85	67.2	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.161 ug/l m

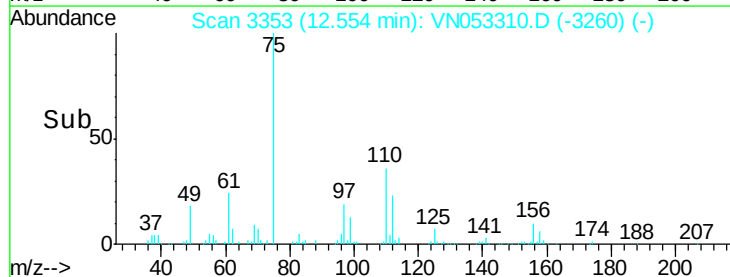
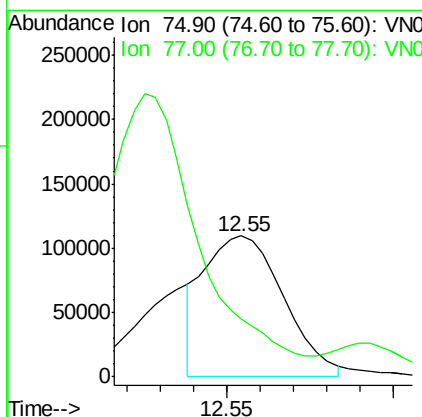
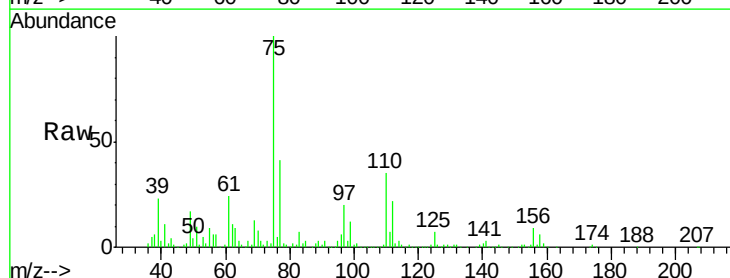
RT: 12.55 min Scan# 3353

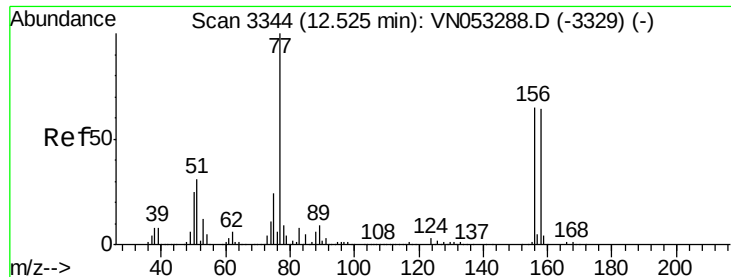
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	75	Resp:	180807
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.188 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

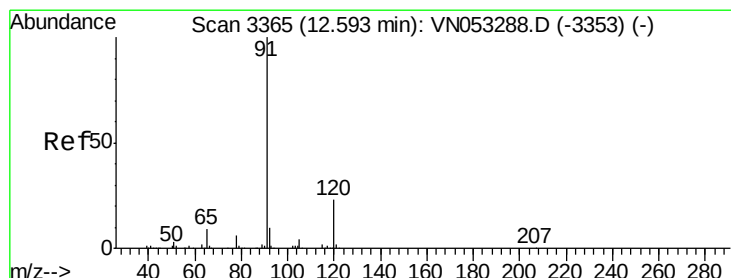
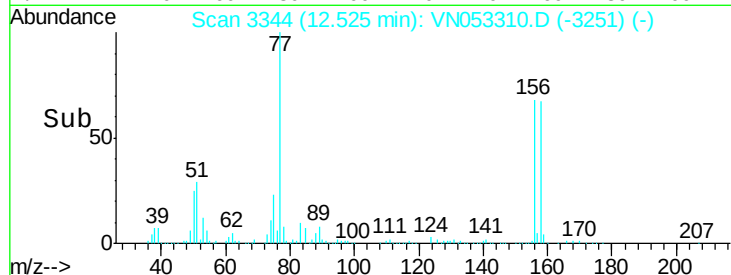
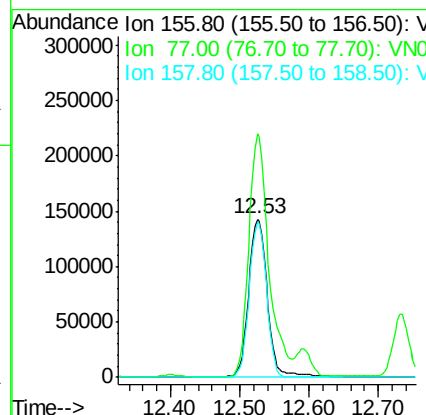
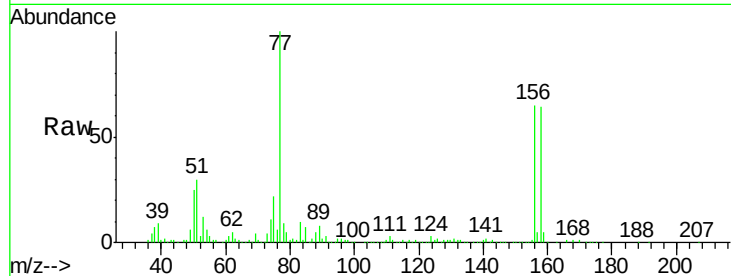
ClientSampleId :

VN0108MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.3	89.3	268.1
158	89.4	48.9	146.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.509 ug/l

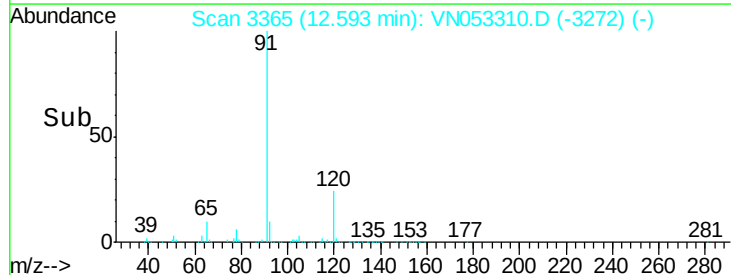
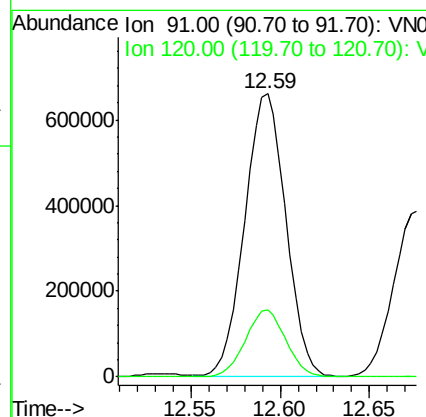
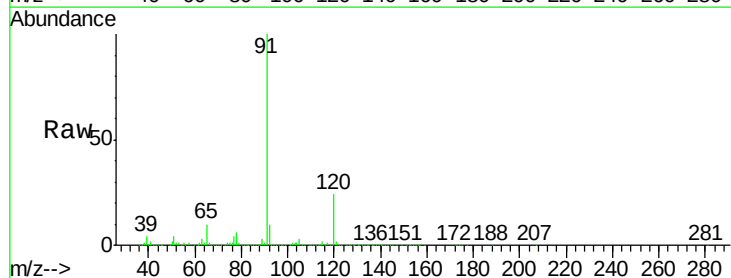
RT: 12.59 min Scan# 3365

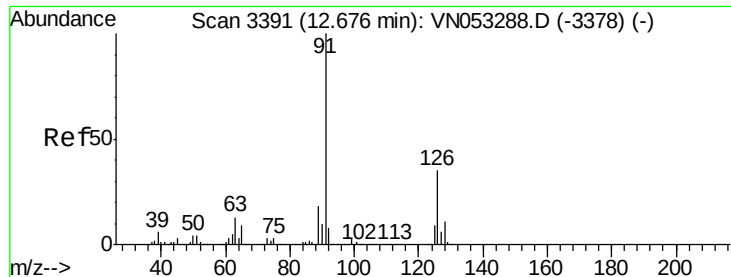
Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 20.243 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion: 91 Resp: 634272

Ion Ratio Lower Upper

91 100

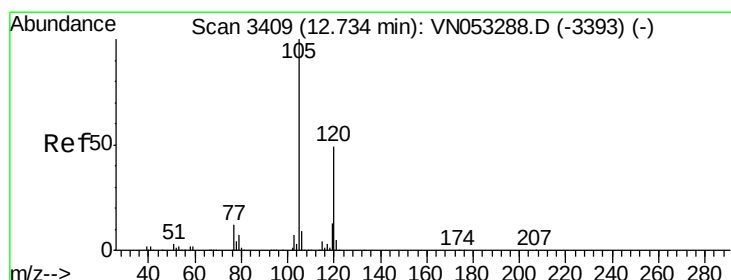
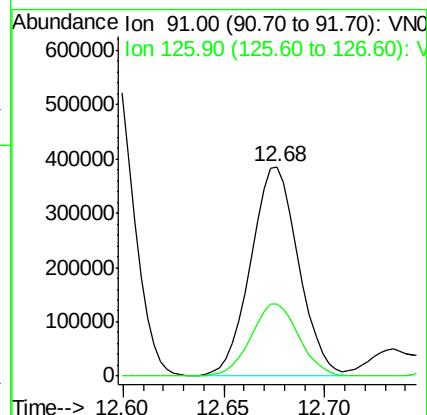
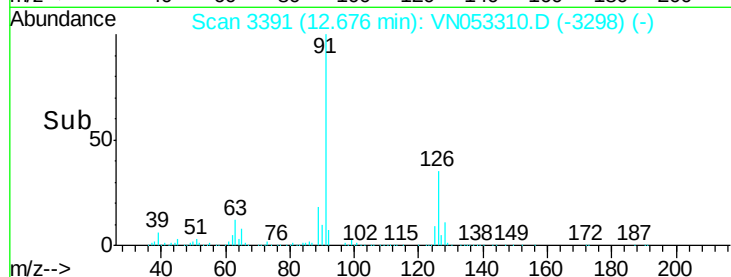
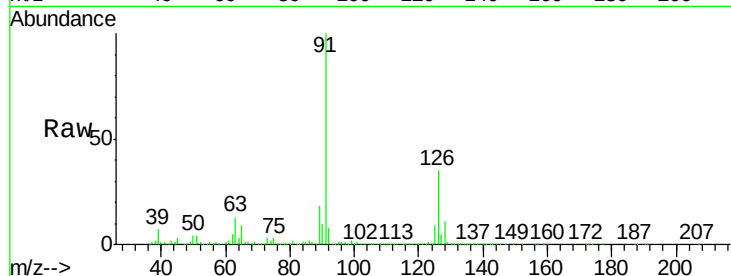
126 35.0 17.5 52.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.295 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053310.D

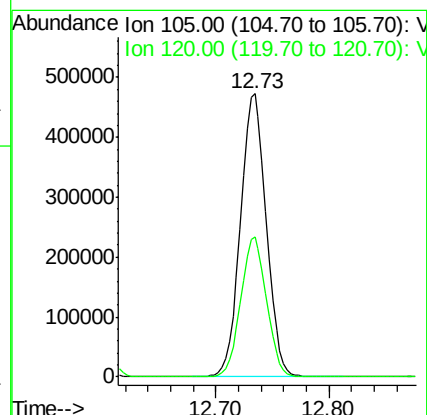
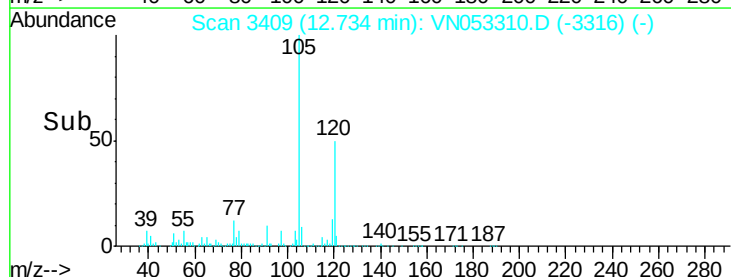
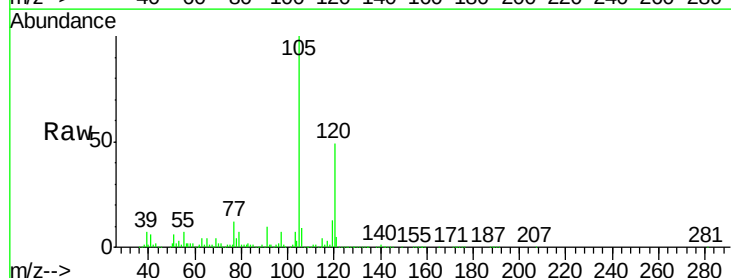
Acq: 8 Jan 2019 11:30

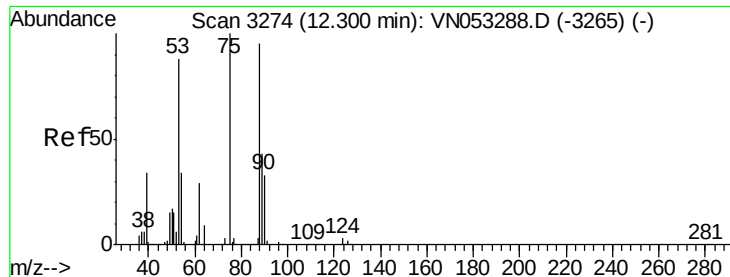
Tgt Ion: 105 Resp: 748379

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.065 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

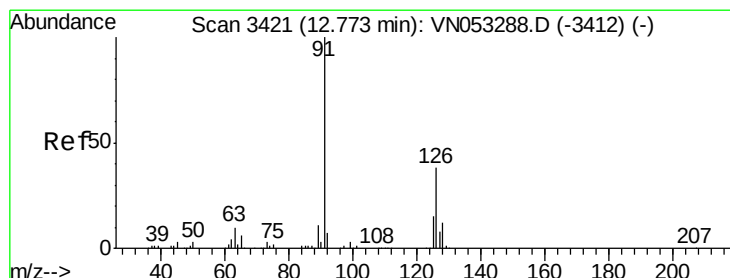
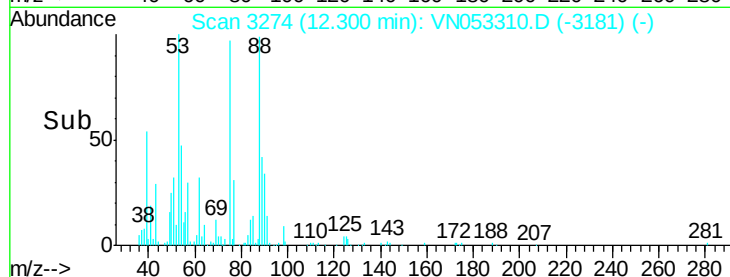
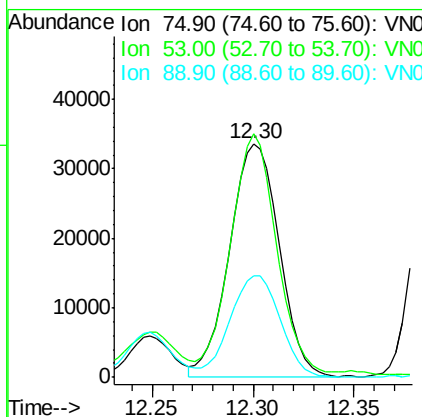
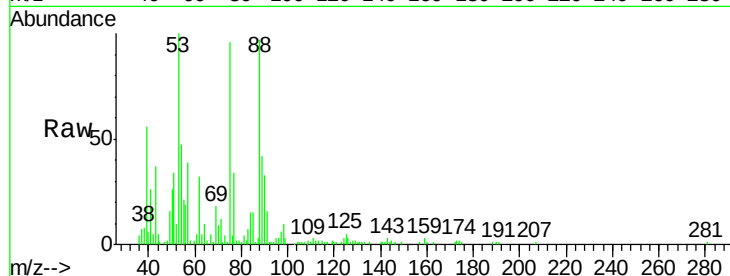
ClientSampleId :

VN0108MBS01

Tot Ion:	75	Resp:	58114
Ion Ratio	Lower	Upper	
75	100		
53	93.1	70.5	105.7
89	43.8	35.4	53.0

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#82

4-Chlorotoluene

Concen: 20.216 ug/l

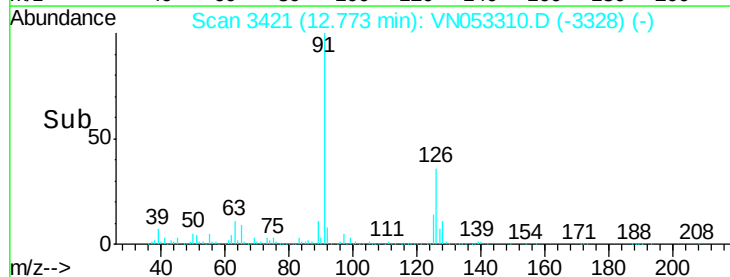
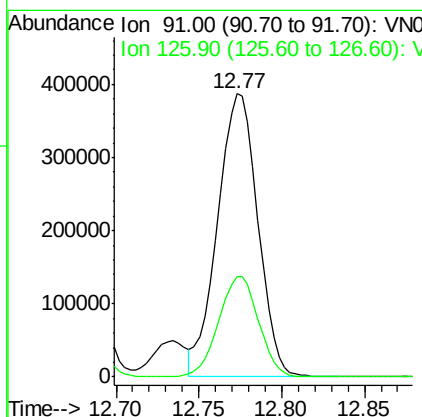
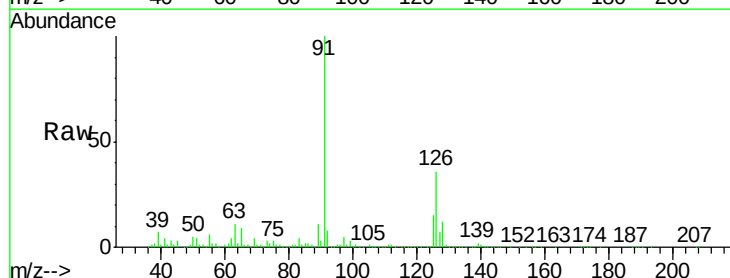
RT: 12.77 min Scan# 3421

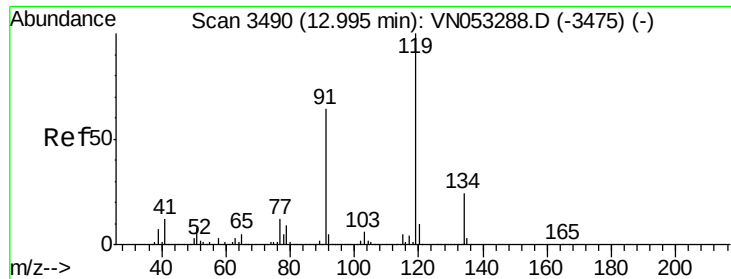
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	91	Resp:	649527
Ion Ratio	Lower	Upper	
91	100		
126	35.4	17.4	52.2





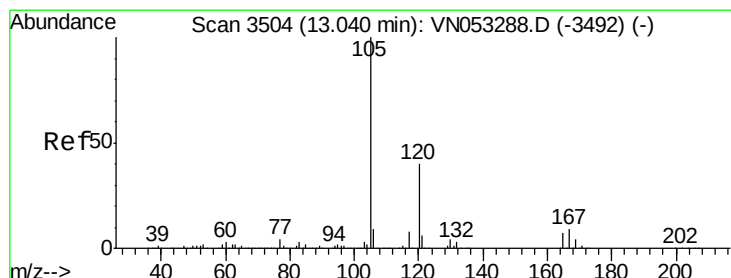
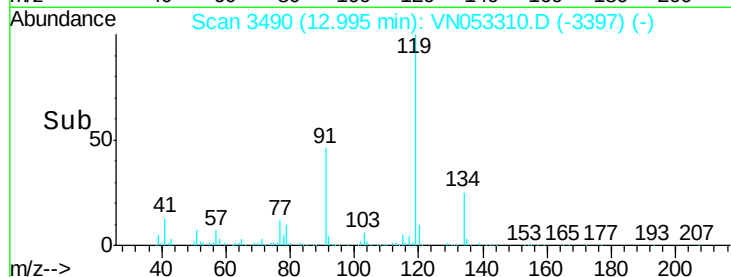
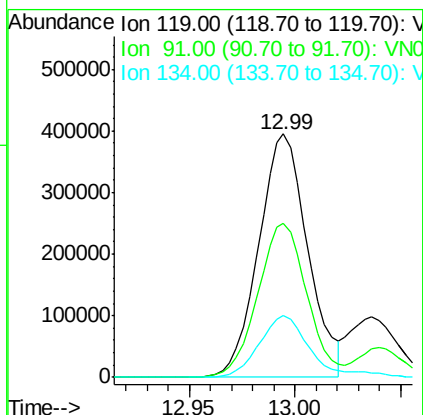
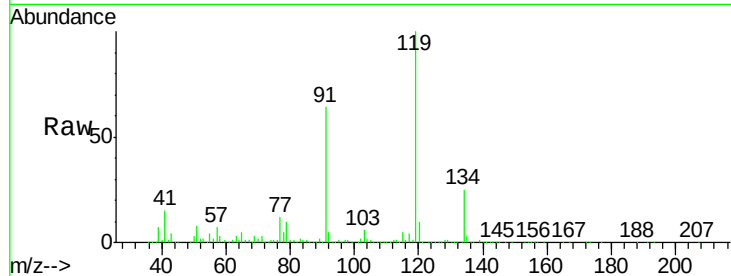
#83
tert-Butylbenzene
Concen: 19.727 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	31.6	95.0
134	26.6	12.9	38.6

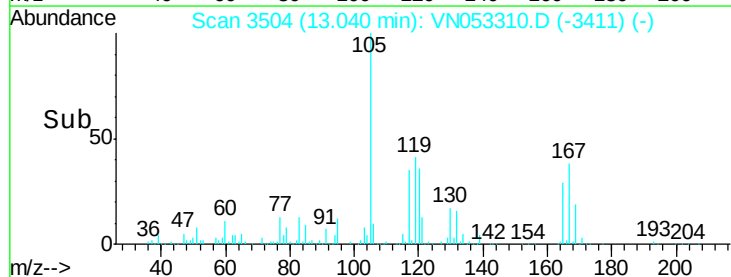
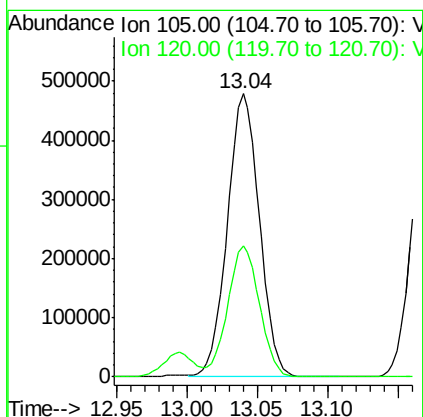
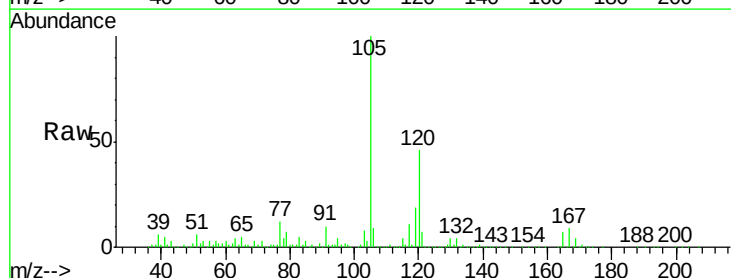
Manual Integrations
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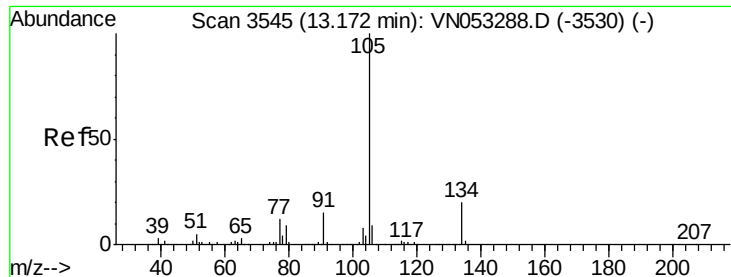
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#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0





#85

sec-Butylbenzene

Concen: 20.100 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

VN0108MBS01

Tot Ion:105 Resp: 857599

Ion Ratio Lower Upper

105 100

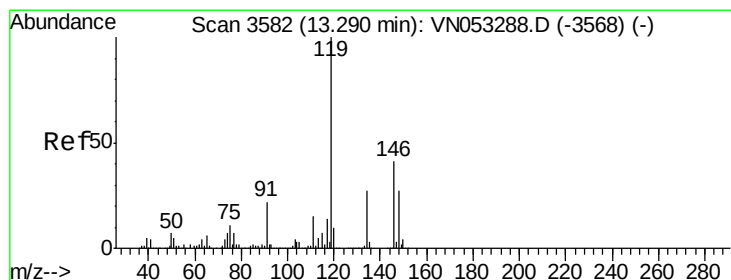
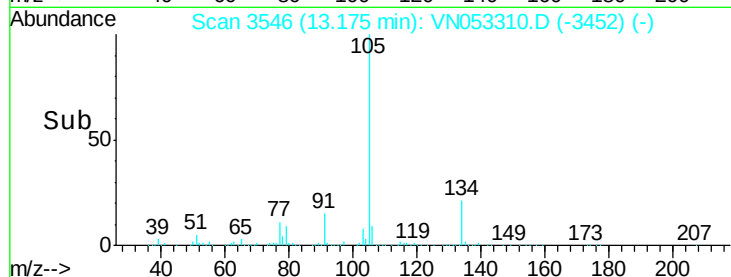
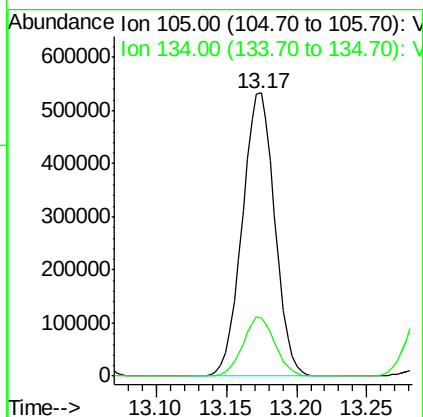
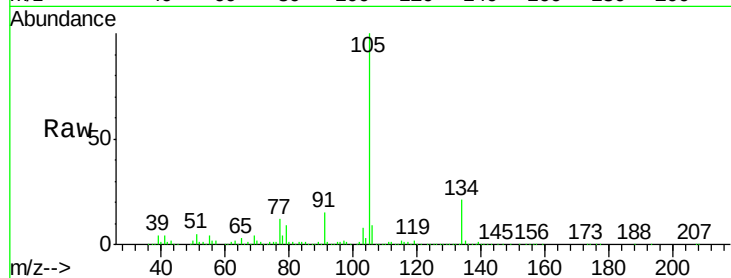
134 20.7 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 20.187 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

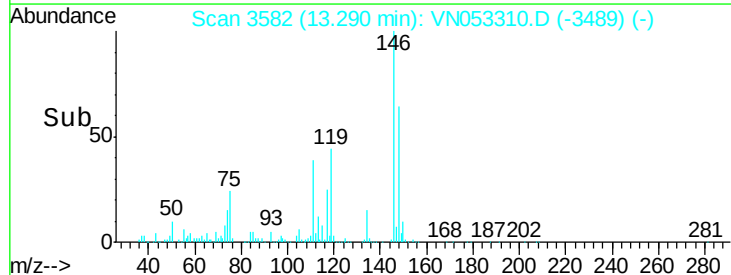
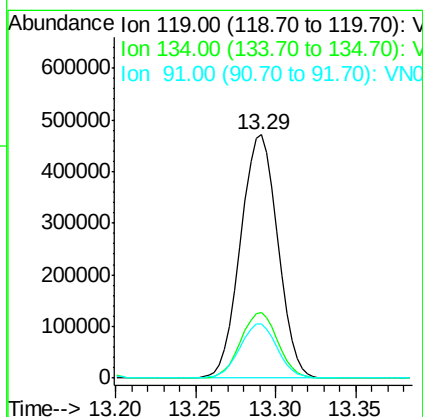
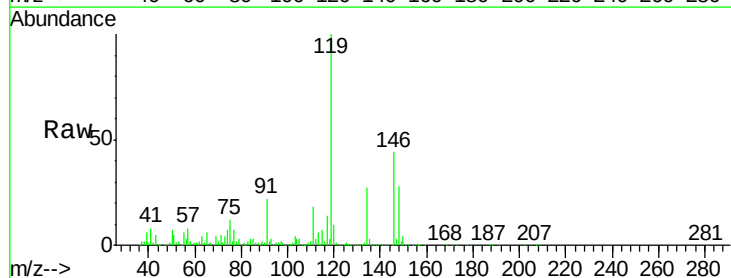
Tgt Ion:119 Resp: 745754

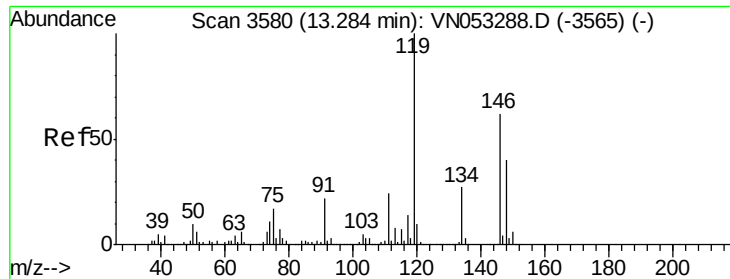
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.9 11.1 33.1





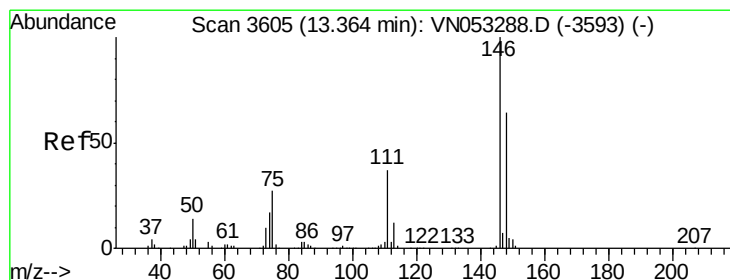
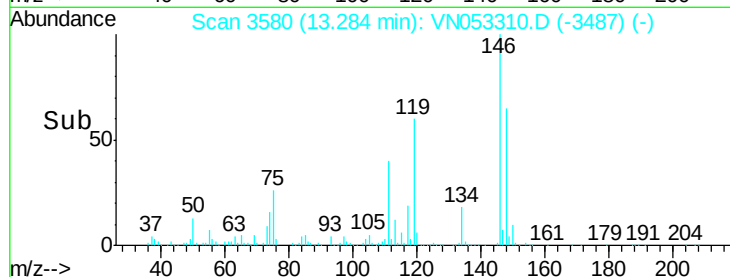
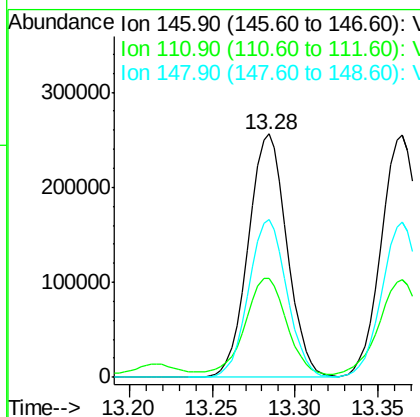
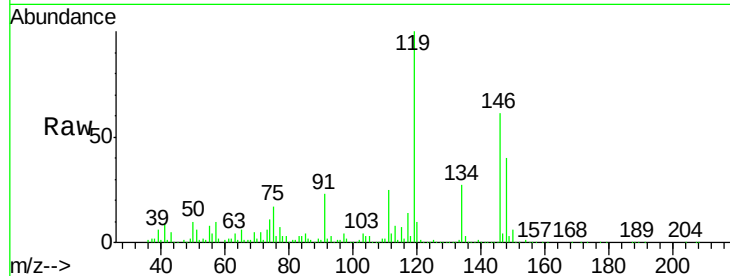
#87
 1,3-Dichlorobenzene
 Concen: 19.360 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	18.9	56.5	
148	64.2	32.0	96.2	

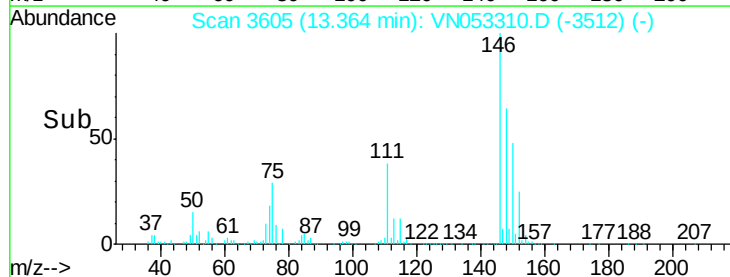
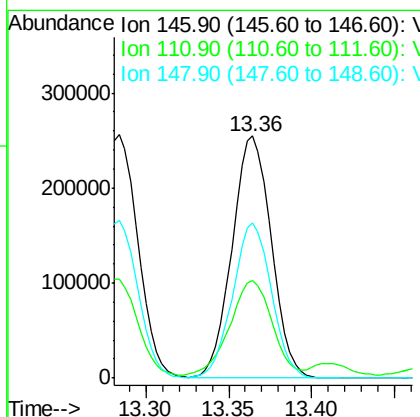
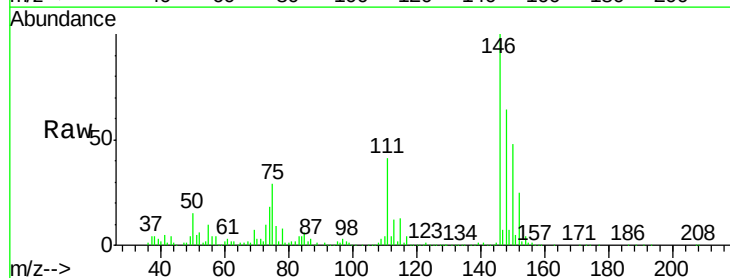
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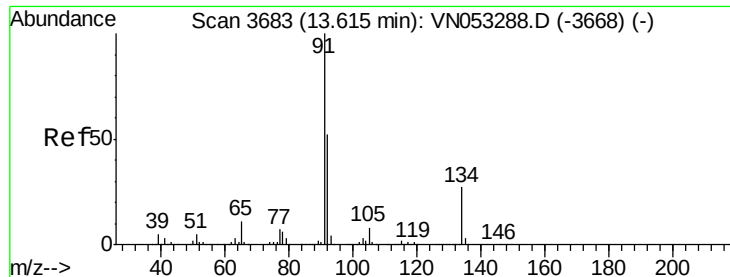
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#88
 1,4-Dichlorobenzene
 Concen: 19.612 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.1	18.6	55.8	
148	63.5	32.0	96.0	





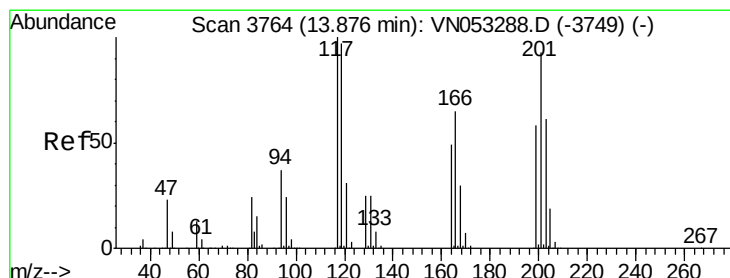
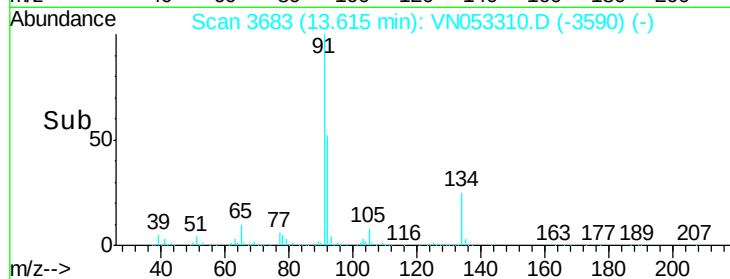
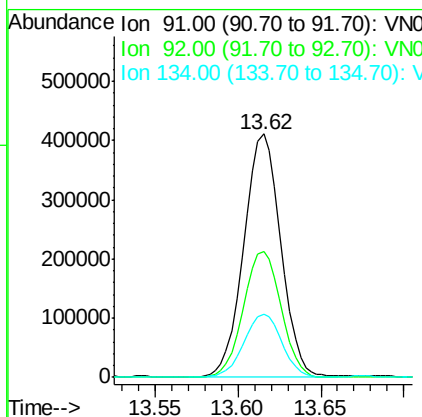
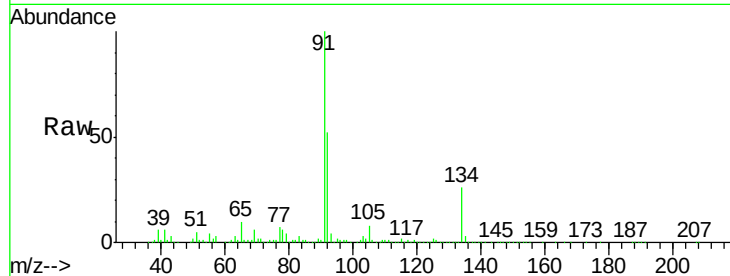
#89
n-Butylbenzene
Concen: 20.450 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Instrument :
MSVOA_N
ClientSampled :
VN0108MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.8
134	26.9	13.5	40.5

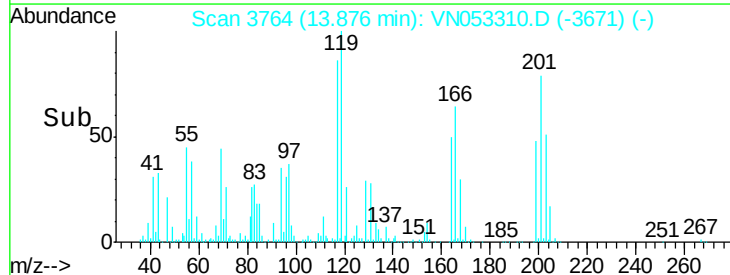
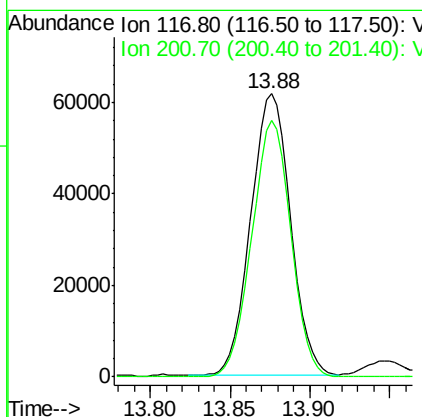
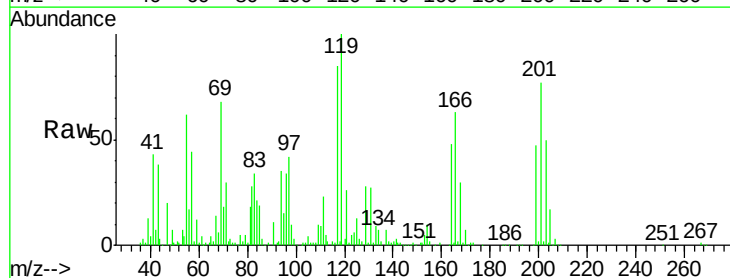
Manual Integrations
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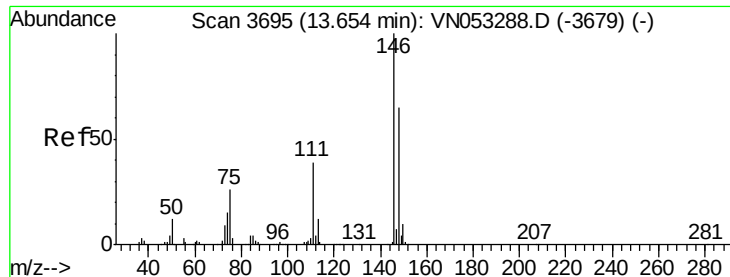
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#90
Hexachloroethane
Concen: 17.787 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053310.D
Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	46.1	138.3





#91

1,2-Dichlorobenzene

Concen: 19.247 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

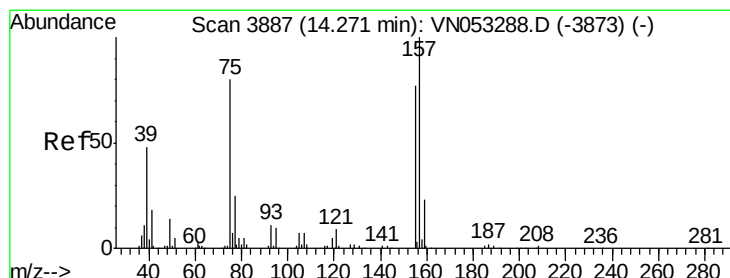
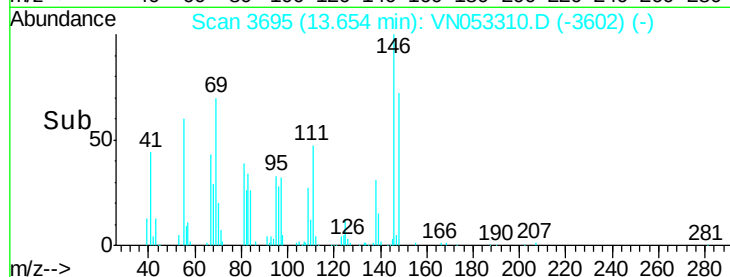
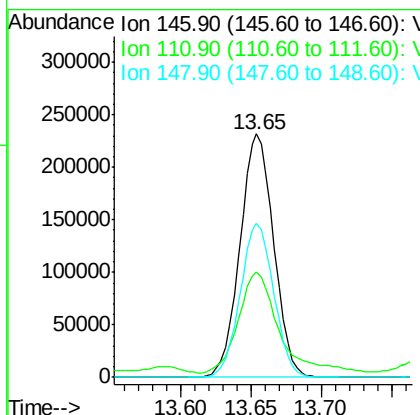
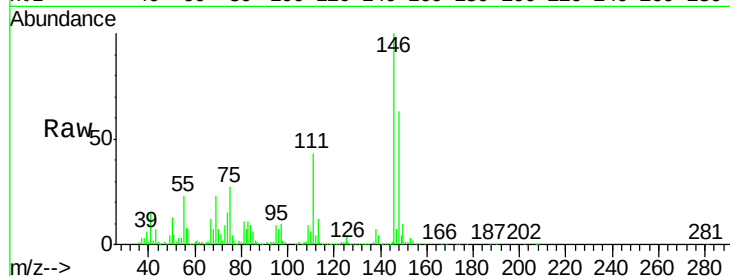
ClientSampled :

VN0108MBS01

Tot Ion:	146	Resp:	387916
Ion Ratio		Lower	Upper
146	100		
111	51.1	19.4	58.2
148	63.1	32.2	96.6

Manual Integrations
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1/9/2019 10:57:36 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.929 ug/l

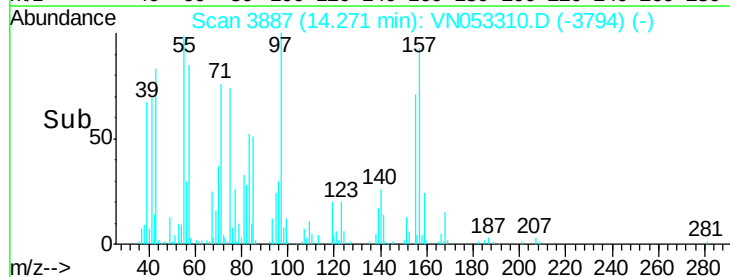
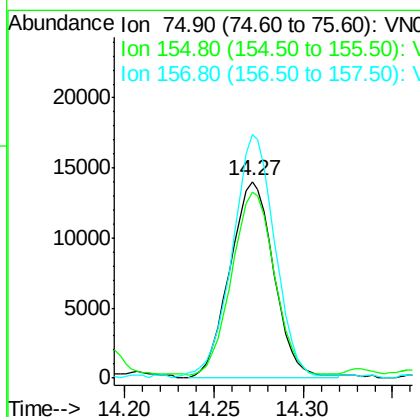
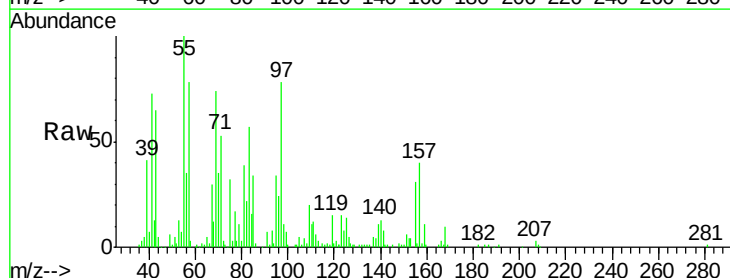
RT: 14.27 min Scan# 3887

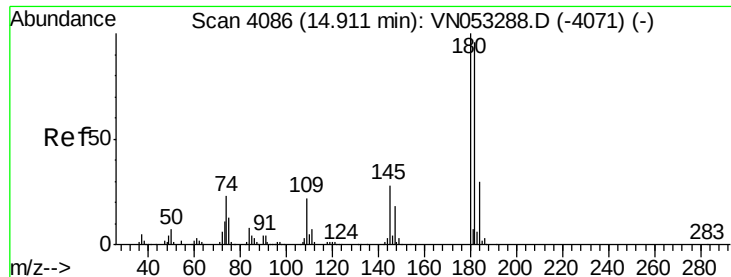
Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	75	Resp:	24178
Ion Ratio		Lower	Upper
75	100		
155	90.2	48.1	144.3
157	120.3	61.5	184.4





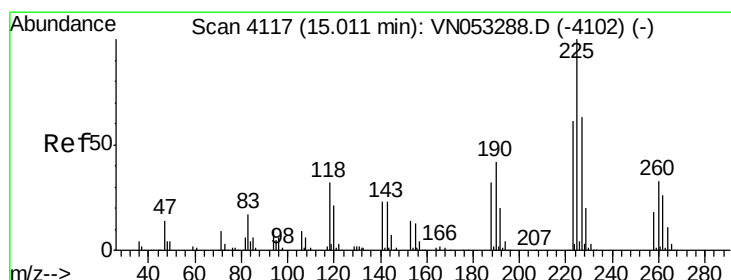
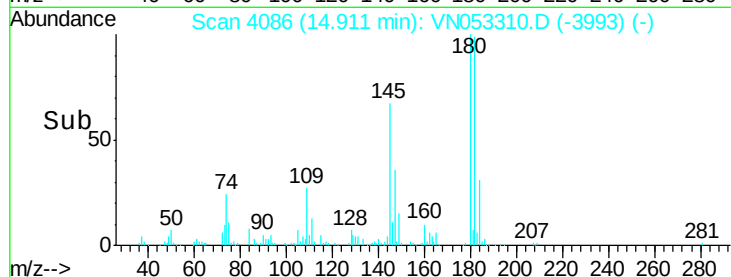
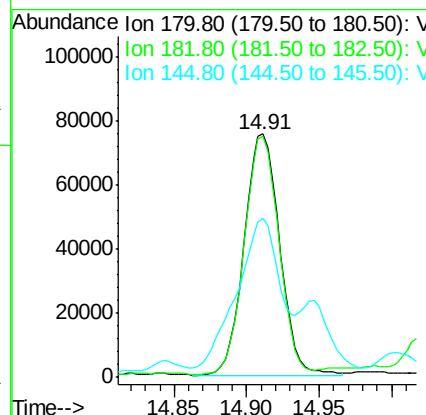
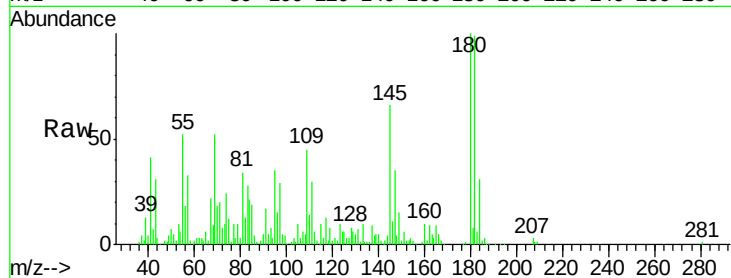
#93
 1,2,4-Trichlorobenzene
 Concen: 20.228 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0108MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.8	143.4	
145	75.3	14.4	43.0#	

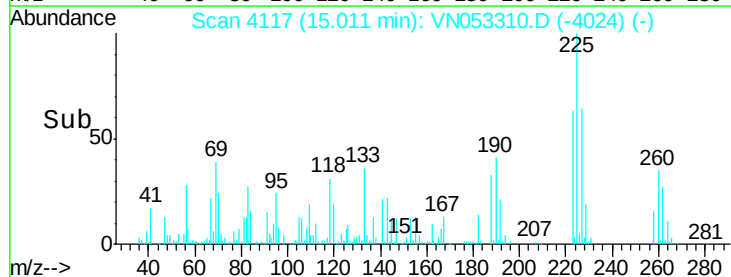
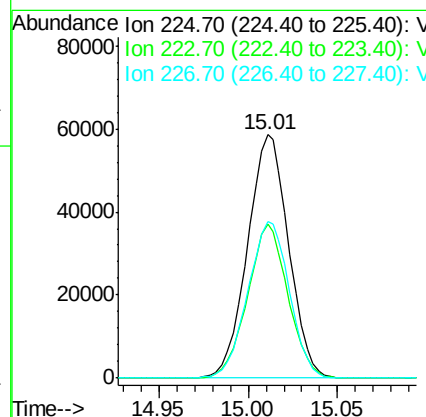
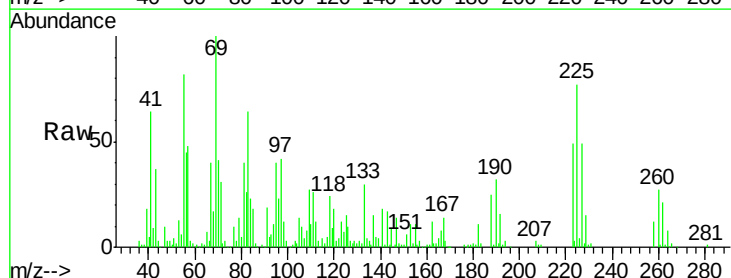
Manual Integrations
 APPROVED

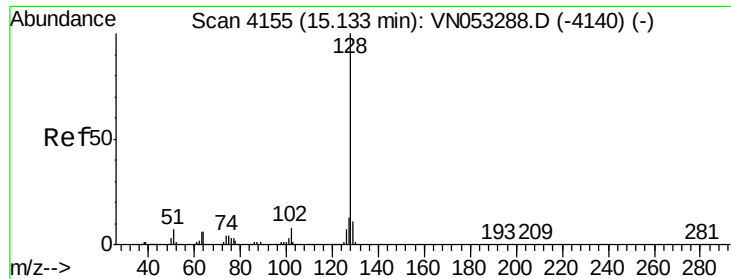
MMDadoda
 1/9/2019 10:57:36 AM



#94
 Hexachlorobutadiene
 Concen: 18.150 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053310.D
 Acq: 8 Jan 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	30.9	92.8	
227	65.1	31.4	94.2	





#95

Naphthalene

Concen: 22.900 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Instrument :

MSVOA_N

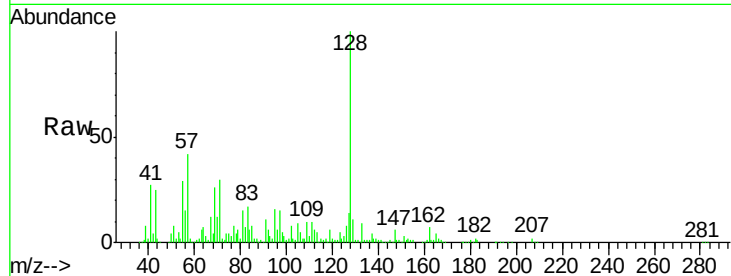
ClientSampled :

VN0108MBS01

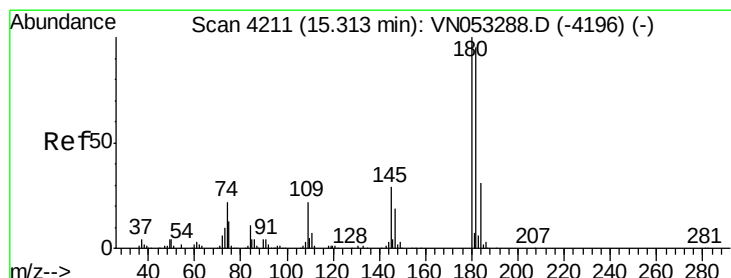
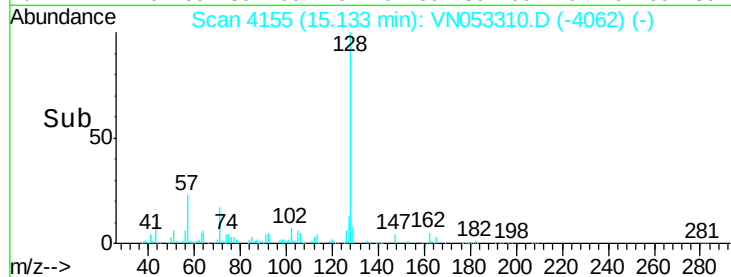
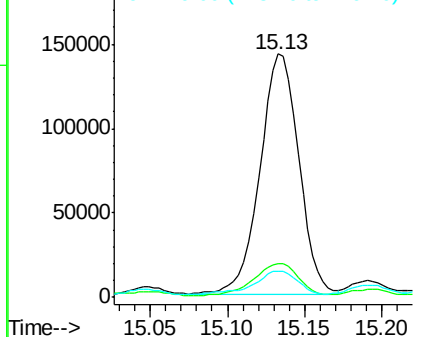
Tot Ion:	128	Resp:	247559
Ion Ratio	Lower	Upper	
128	100		
127	15.5	10.4	15.6
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/9/2019 10:57:36 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.546 ug/l

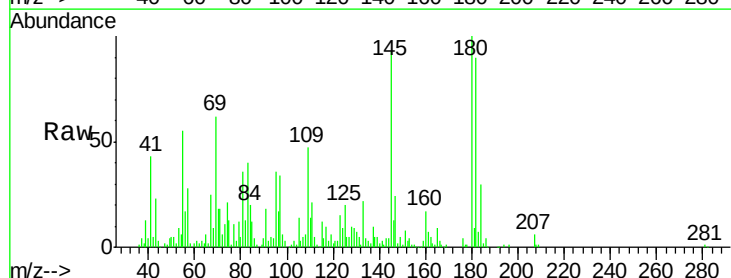
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053310.D

Acq: 8 Jan 2019 11:30

Tgt Ion:	180	Resp:	97692
Ion Ratio	Lower	Upper	
180	100		
182	88.4	48.4	145.0
145	154.3	14.9	44.5#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

