

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052690.D
 Acq On : 6 Dec 2018 10:37
 Operator : MD\SY
 Sample : VN1206WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Manual Integrations
 APPROVED

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 12/7/2018 1:12:44 PM

Quant Time: Dec 07 06:54:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1018219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1532031	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1365757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	624516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	559381	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
35) Dibromofluoromethane	7.59	113	506985	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.09	98	1921921	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
62) 4-Bromofluorobenzene	12.40	95	649780	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	165805	17.391	ug/l	97
3) Chloromethane	2.06	50	211974	16.844	ug/l	96
4) Vinyl Chloride	2.19	62	228894	17.706	ug/l	100
5) Bromomethane	2.57	94	141952	17.598	ug/l	99
6) Chloroethane	2.71	64	138797	17.725	ug/l	100
7) Trichlorofluoromethane	3.02	101	304702	19.188	ug/l	99
8) Diethyl Ether	3.41	74	113243	19.311	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194755	19.655	ug/l	98
10) Methyl Iodide	3.96	142	264436	20.037	ug/l	99
11) Tert butyl alcohol	4.78	59	58445	105.302	ug/l	98
12) 1,1-Dichloroethene	3.74	96	180879	18.964	ug/l	99
13) Acrolein	3.61	56	56696	58.775	ug/l	98
14) Allyl chloride	4.33	41	308892	18.790	ug/l	99
15) Acrylonitrile	4.99	53	340643	96.956	ug/l	100
16) Acetone	3.82	43	308603	105.535	ug/l	99
17) Carbon Disulfide	4.06	76	481414	16.039	ug/l	98
18) Methyl Acetate	4.33	43	172781	20.599	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	499770	19.694	ug/l	100
20) Methylene Chloride	4.55	84	212765	18.593	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	192916	18.938	ug/l	95
22) Diisopropyl ether	5.95	45	669929	19.401	ug/l	99
23) Vinyl Acetate	5.90	43	2013978	93.642	ug/l	99
24) 1,1-Dichloroethane	5.85	63	385386	19.547	ug/l	99
25) 2-Butanone	6.83	43	408003	98.439	ug/l	97
26) 2,2-Dichloropropane	6.83	77	278015	20.373	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	227437	19.167	ug/l	100
28) Bromochloromethane	7.19	49	172393	19.144	ug/l	97
29) Tetrahydrofuran	7.21	42	250975	93.881	ug/l	98
30) Chloroform	7.37	83	379996	19.318	ug/l	100
31) Cyclohexane	7.66	56	352540	18.242	ug/l #	94
32) 1,1,1-Trichloroethane	7.57	97	310092	19.897	ug/l	99
36) 1,1-Dichloropropene	7.79	75	283688	19.609	ug/l	99
37) Ethyl Acetate	6.93	43	168714	19.108	ug/l	98
38) Carbon Tetrachloride	7.77	117	269189	20.554	ug/l	98

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Manual Integrations
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 12/7/2018 1:12:44 PM

Quant Time: Dec 07 06:54:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	343509	19.535	ug/l	99
40) Benzene	8.04	78	866280	20.092	ug/l	99
41) Methacrylonitrile	7.17	41	99585	20.630	ug/l	94
42) 1,2-Dichloroethane	8.12	62	267489	20.490	ug/l	100
43) Isopropyl Acetate	8.16	43	300235	20.093	ug/l #	87
44) Trichloroethene	8.83	130	231303	20.944	ug/l	99
45) 1,2-Dichloropropane	9.12	63	233675	20.385	ug/l	98
46) Dibromomethane	9.21	93	130483	20.563	ug/l	98
47) Bromodichloromethane	9.40	83	285896	20.722	ug/l	98
48) Methyl methacrylate	9.20	41	154207	19.793	ug/l	98
49) 1,4-Dioxane	9.20	88	36192	447.596	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	864713	103.145	ug/l	100
52) Toluene	10.16	92	530216	20.698	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	273960	20.641	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	331508	20.842	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	188221	20.888	ug/l	98
56) Ethyl methacrylate	10.43	69	234371	20.415	ug/l	98
57) 1,3-Dichloropropane	10.71	76	324225	20.378	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	697311	106.647	ug/l	98
59) 2-Hexanone	10.75	43	596043	105.933	ug/l	100
60) Dibromochloromethane	10.90	129	210016	21.459	ug/l	99
61) 1,2-Dibromoethane	11.00	107	183937	20.552	ug/l	99
64) Tetrachloroethene	10.63	164	222954	21.055	ug/l	98
65) Chlorobenzene	11.43	112	585536	20.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	206389	21.077	ug/l	100
67) Ethyl Benzene	11.51	91	1001901	20.316	ug/l	99
68) m/p-Xylenes	11.62	106	758286	41.303	ug/l	100
69) o-Xylene	11.95	106	370355	20.773	ug/l	99
70) Styrene	11.96	104	603356	21.248	ug/l	99
71) Bromoform	12.13	173	137125	21.150	ug/l #	100
73) Isopropylbenzene	12.25	105	1000081	20.411	ug/l	99
74) N-amyl acetate	12.07	43	242393	19.582	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219229	19.669	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	186820m	19.399	ug/l	
77) Bromobenzene	12.53	156	248755	20.540	ug/l	97
78) n-propylbenzene	12.59	91	1145385	20.577	ug/l	99
79) 2-Chlorotoluene	12.67	91	668988	20.182	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820367	20.993	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	59094	20.492	ug/l	98
82) 4-Chlorotoluene	12.77	91	680637	20.374	ug/l	99
83) tert-Butylbenzene	12.99	119	721603	20.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	819740	20.932	ug/l	100
85) sec-Butylbenzene	13.17	105	991395	20.894	ug/l	100
86) p-Isopropyltoluene	13.29	119	847363	20.967	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	435433	20.554	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	425623	20.397	ug/l	99
89) n-Butylbenzene	13.62	91	697030	20.738	ug/l	100
90) Hexachloroethane	13.88	117	141004	20.605	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	425103	21.004	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32342	20.289	ug/l	99

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Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

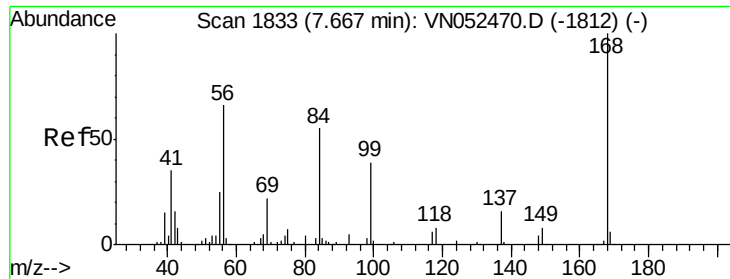
Manual Integrations
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Quant Time: Dec 07 06:54:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	208861	20.601	ug/l	99
94) Hexachlorobutadiene	15.01	225	141461	21.726	ug/l	98
95) Naphthalene	15.13	128	409253	19.641	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	198007	21.091	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion:168 Resp: 1018219

Ion Ratio Lower Upper

168 100

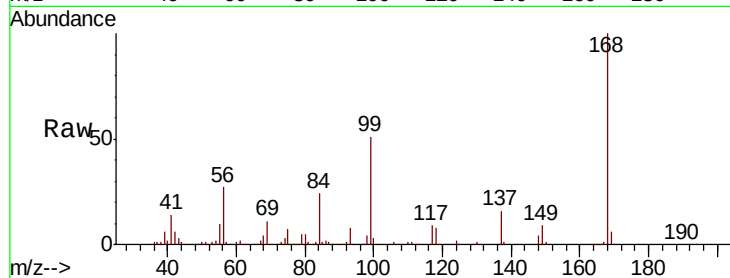
99 50.9 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

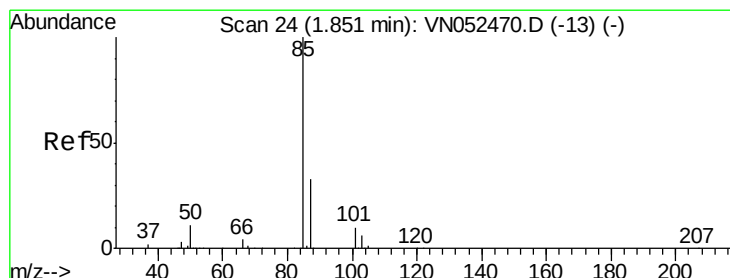
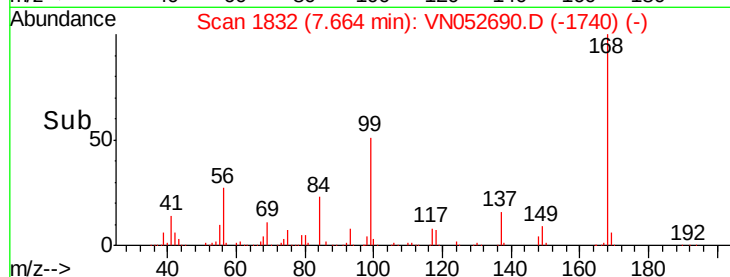
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.391 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052690.D

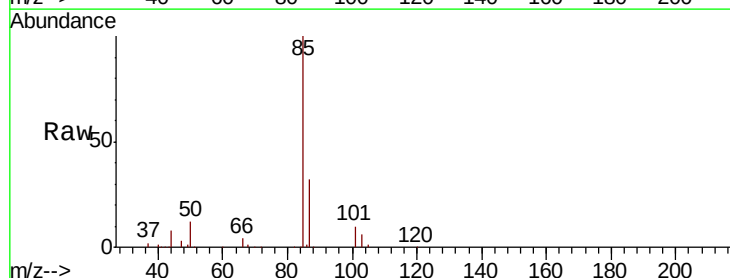
Acq: 6 Dec 2018 10:37

Tgt Ion: 85 Resp: 165805

Ion Ratio Lower Upper

85 100

87 31.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

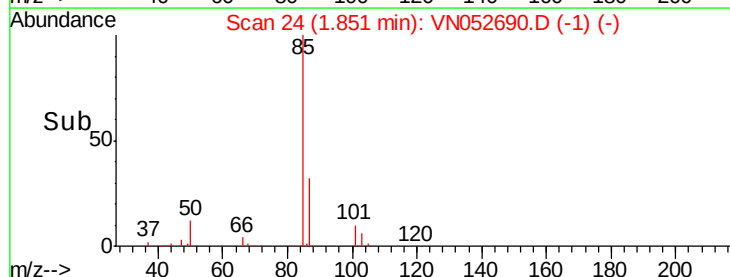
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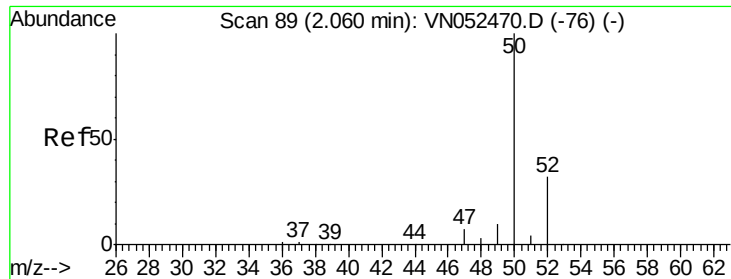
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50000

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Time-->





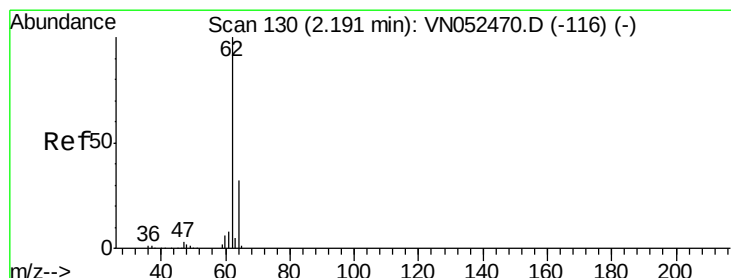
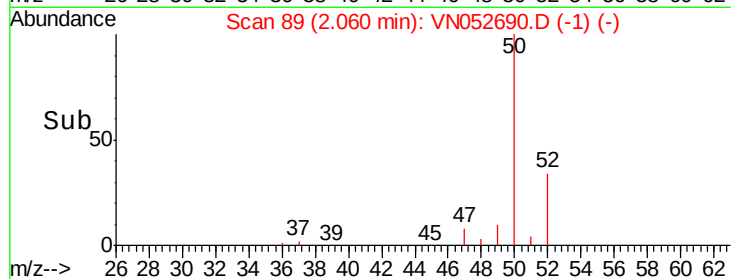
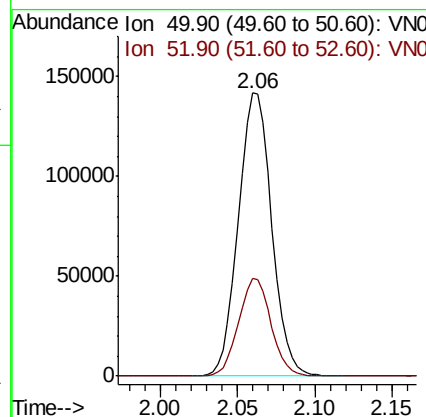
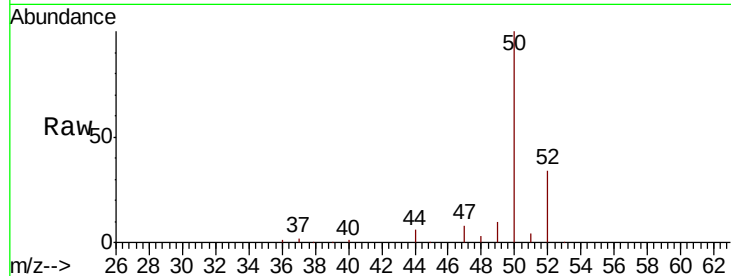
#3
Chloromethane
Concen: 16.844 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	34.4	25.9	38.9

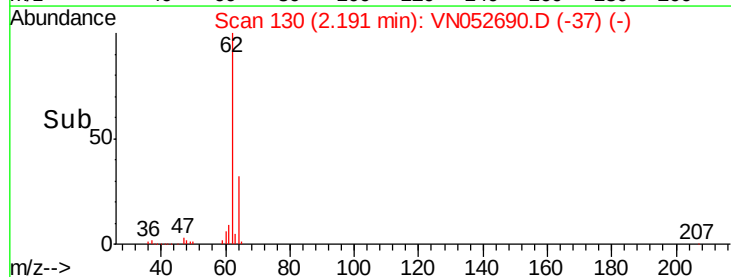
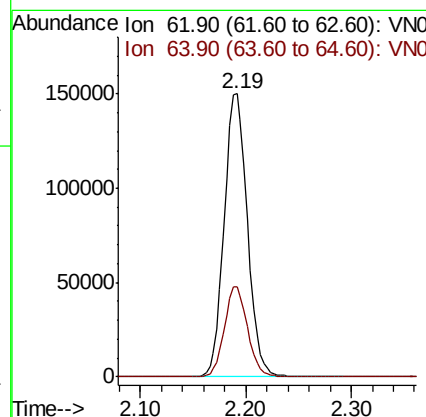
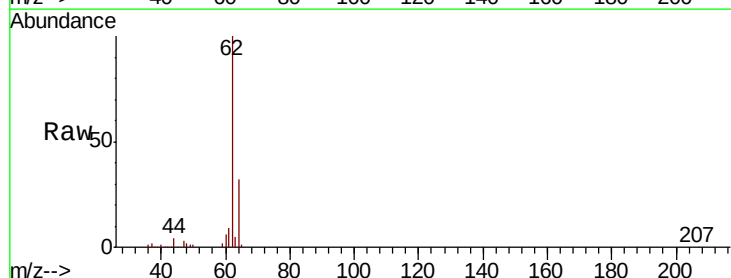
Manual Integrations
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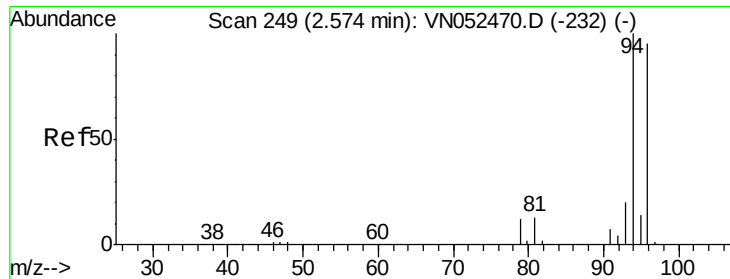
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#4
Vinyl Chloride
Concen: 17.706 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.4	38.2





#5

Bromomethane

Concen: 17.598 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 94 Resp: 141952

Ion Ratio Lower Upper

94 100

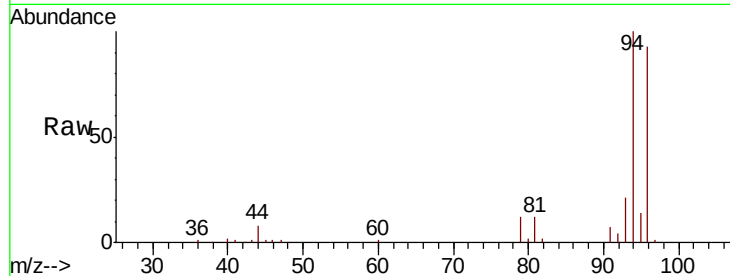
96 93.5 75.8 113.8

Manual Integrations

APPROVED

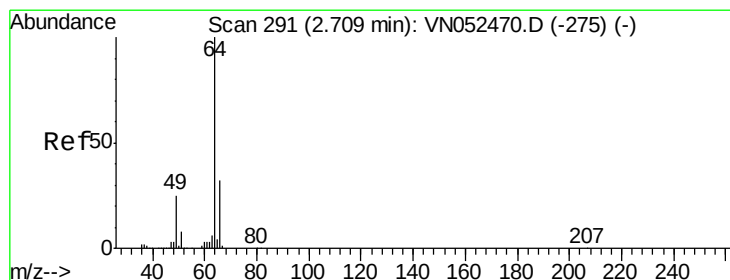
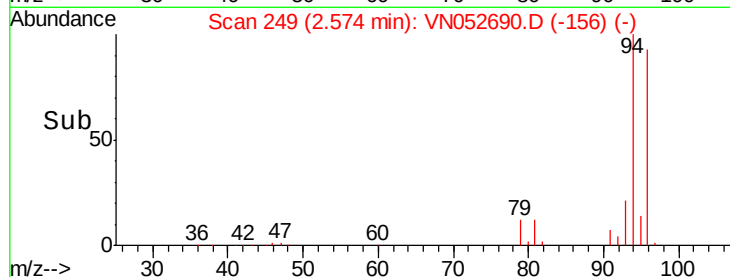
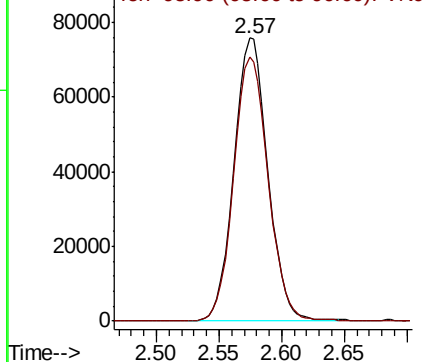
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.725 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052690.D

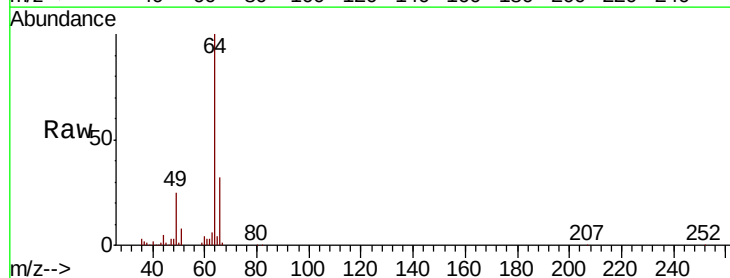
Acq: 6 Dec 2018 10:37

Tgt Ion: 64 Resp: 138797

Ion Ratio Lower Upper

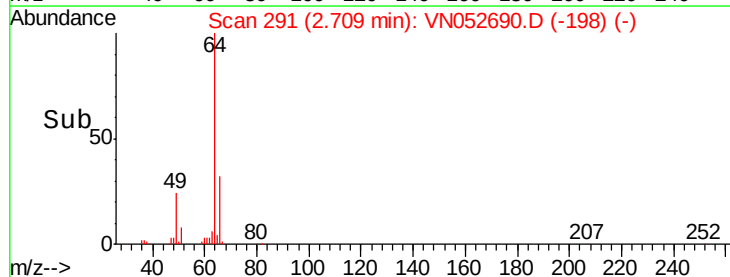
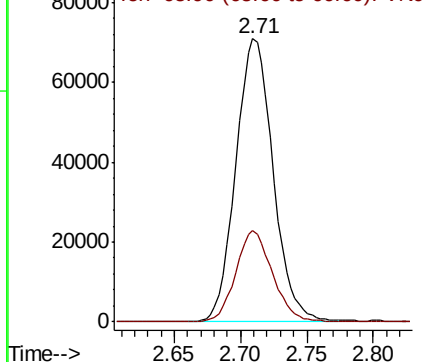
64 100

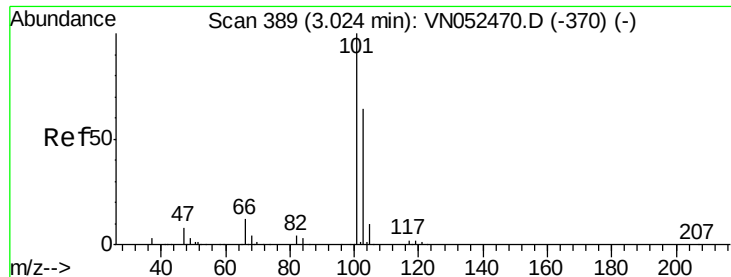
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

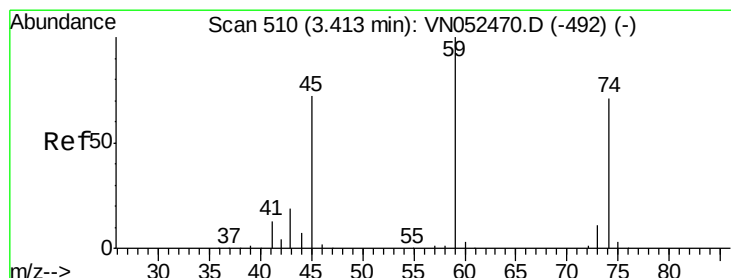
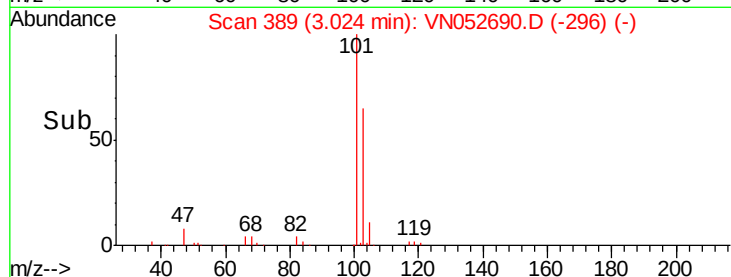
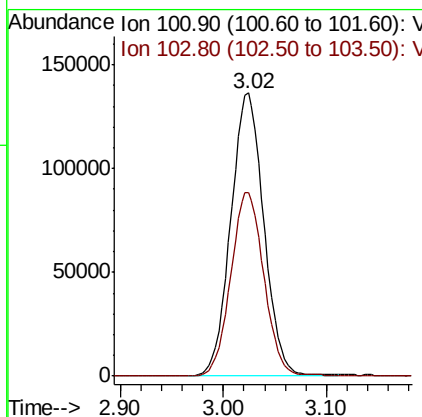
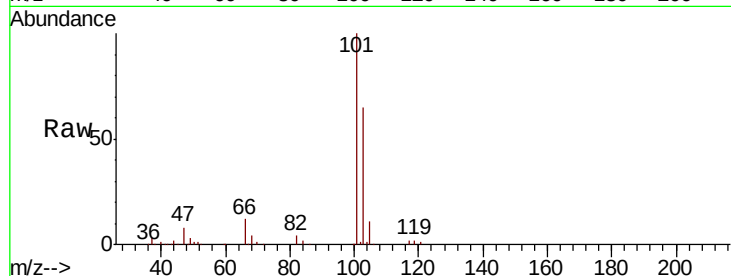
Trichlorofluoromethane
 Concen: 19.188 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1206WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.4	77.2

Manual Integrations
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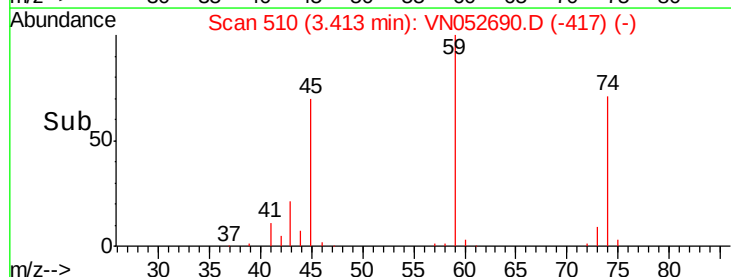
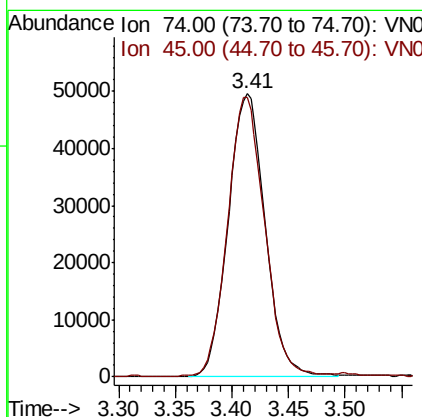
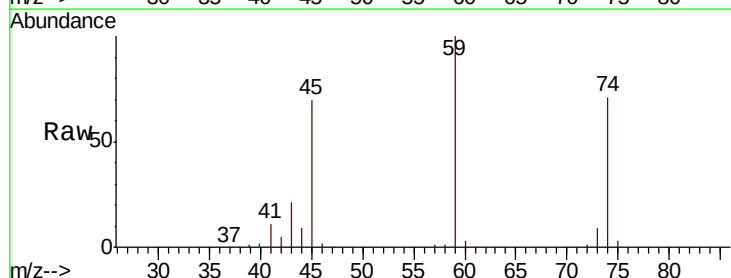
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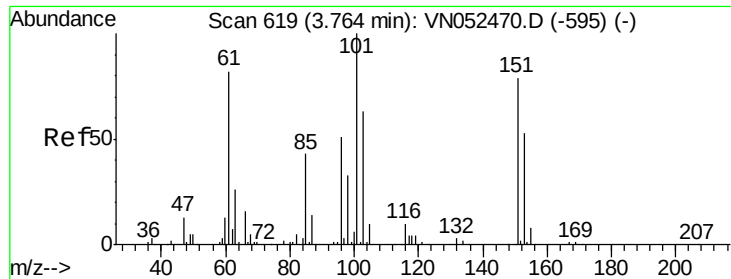


#8

Diethyl Ether
 Concen: 19.311 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.655 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

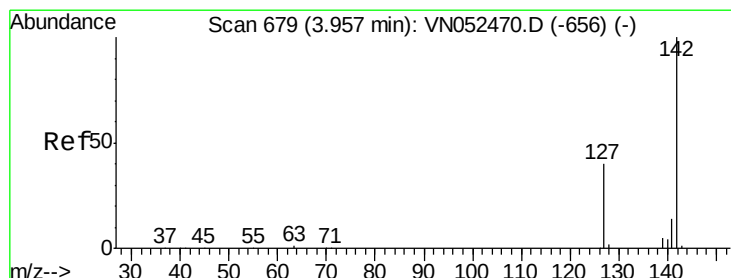
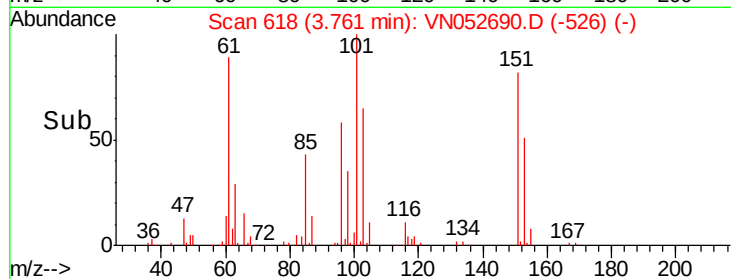
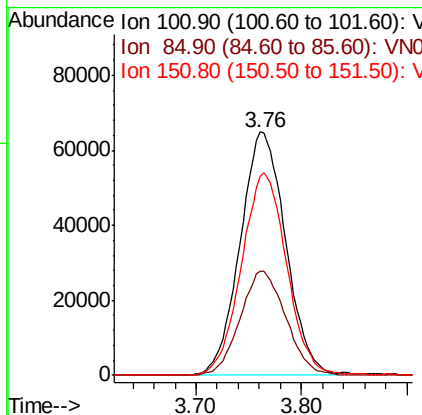
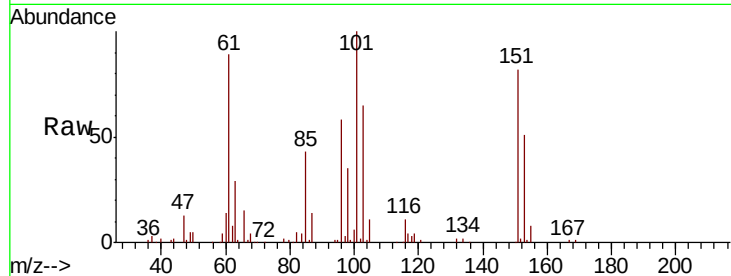
ClientSampleId :

VN1206WBS01

Tot Ion:	101	Resp:	194755
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	82.9	64.6	96.8

Manual Integrations
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12/7/2018 1:12:44 PM



#10

Methyl Iodide

Concen: 20.037 ug/l

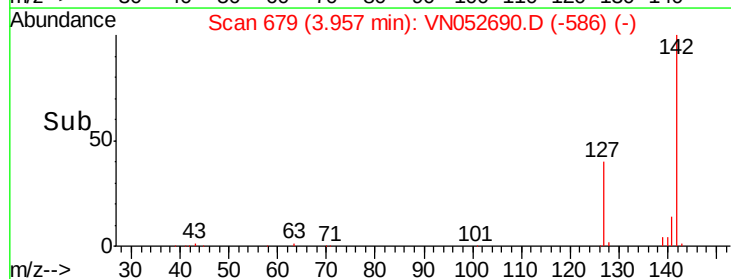
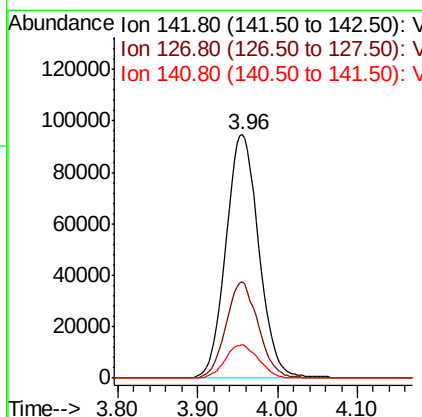
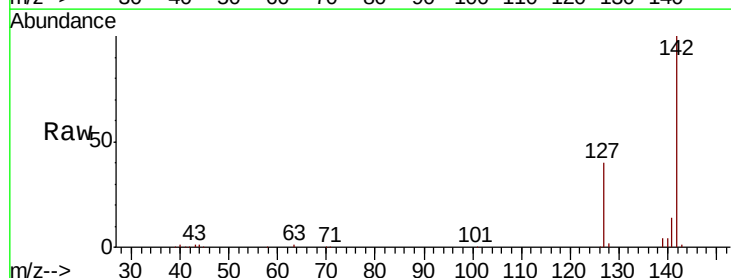
RT: 3.96 min Scan# 679

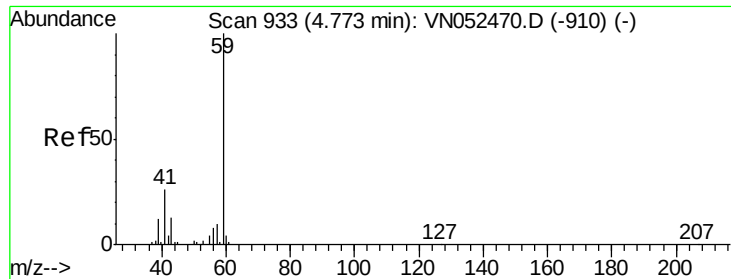
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion:	142	Resp:	264436
Ion Ratio	Lower	Upper	
142	100		
127	38.9	31.8	47.6
141	14.0	11.4	17.0





#11

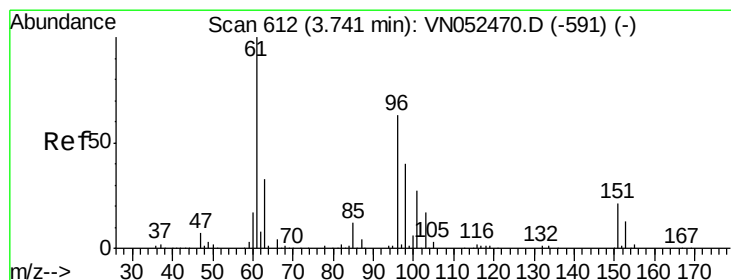
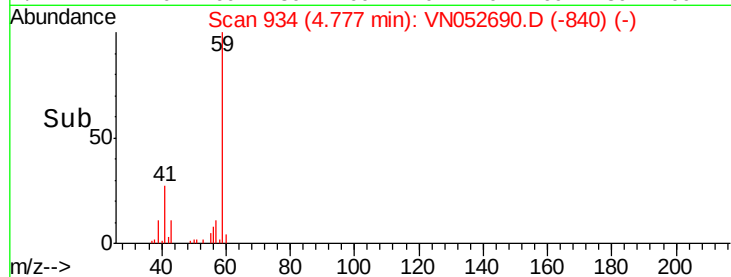
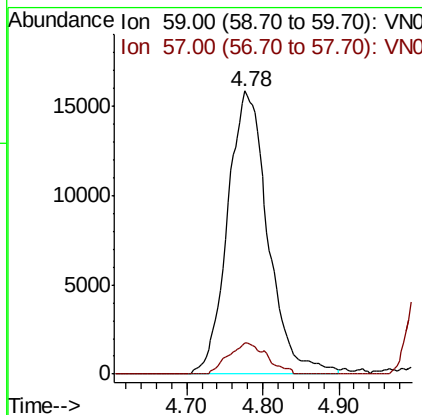
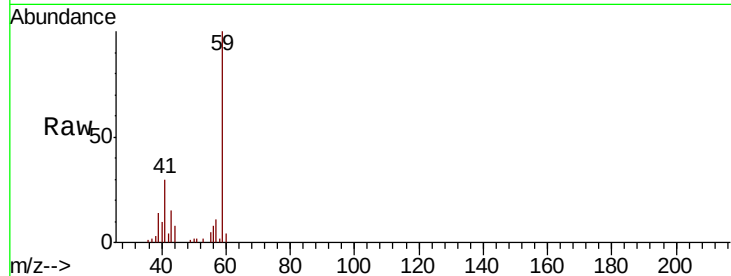
Tert butyl alcohol
 Concen: 105.302 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	58445
Ion Ratio	59	100	Lower Upper
	57	10.6	7.9 11.9

Manual Integrations
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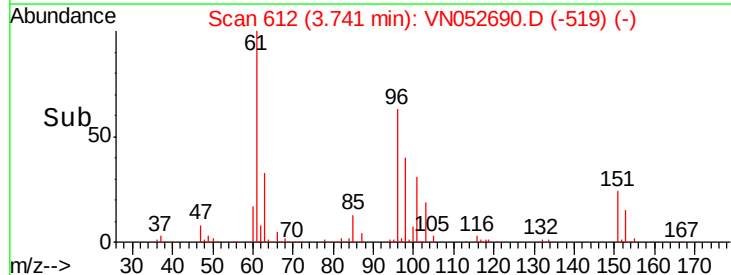
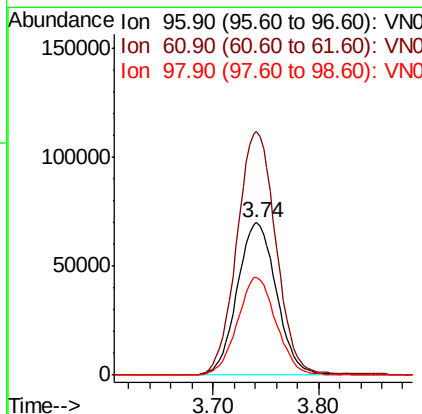
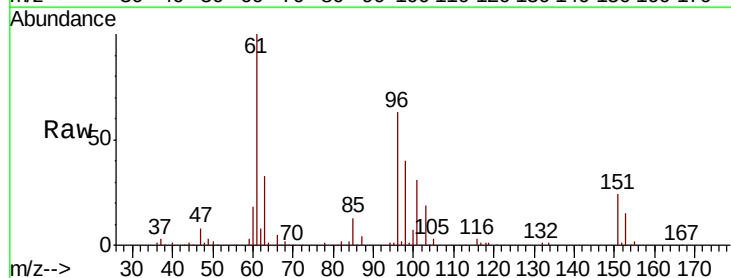
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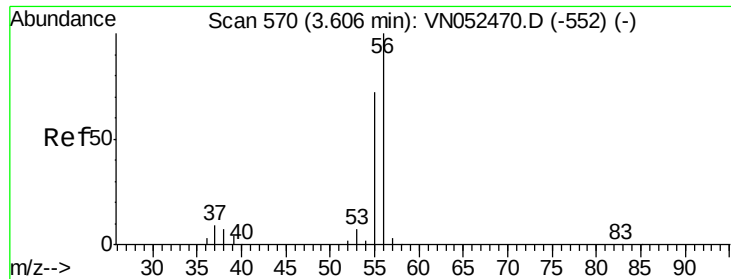


#12

1,1-Dichloroethene
 Concen: 18.964 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	96	Resp	180879
Ion Ratio	96	100	Lower Upper
	61	159.8	127.0 190.6
	98	64.5	50.3 75.5





#13

Acrolein

Concen: 58.775 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

VN1206WBS01

Tot Ion: 56 Resp: 56696

Ion Ratio Lower Upper

56 100

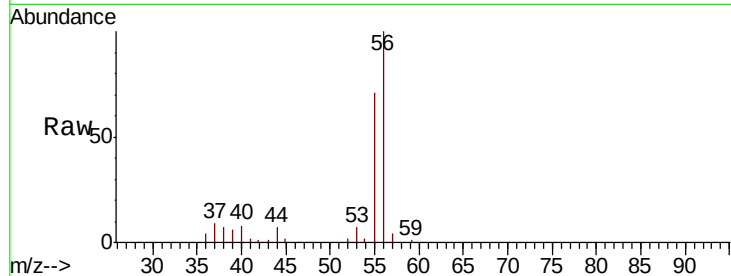
55 72.7 56.8 85.2

Manual Integrations

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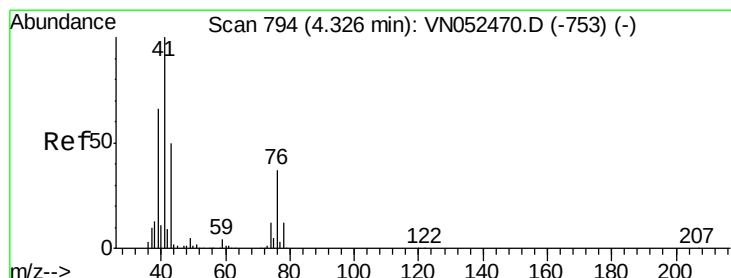
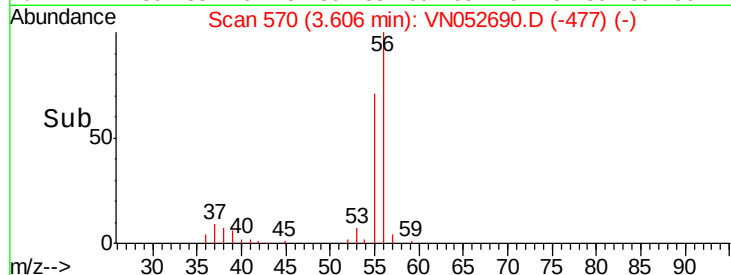
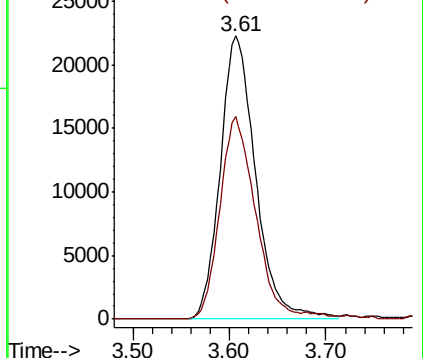
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.790 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

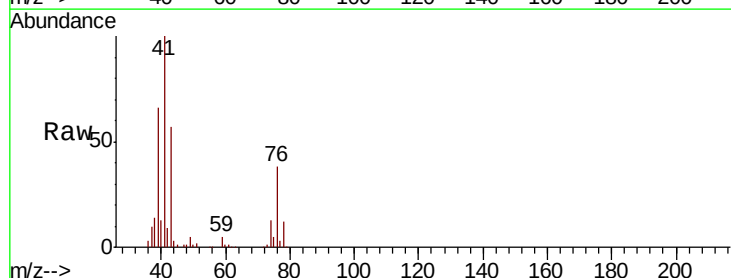
Tgt Ion: 41 Resp: 308892

Ion Ratio Lower Upper

41 100

39 64.1 50.6 76.0

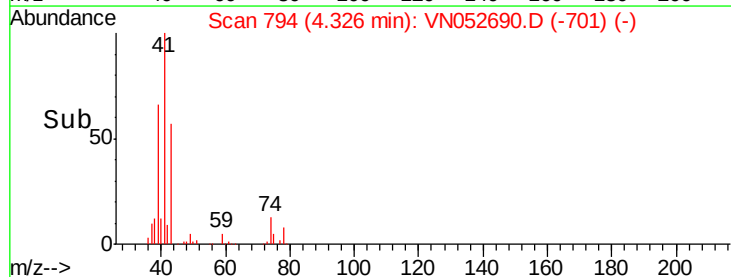
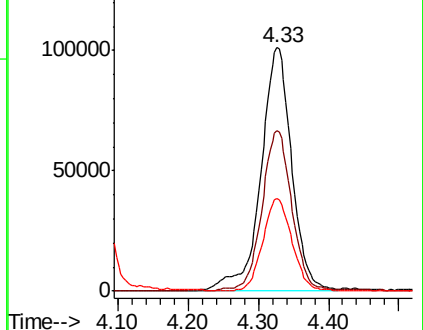
76 35.4 27.4 41.2

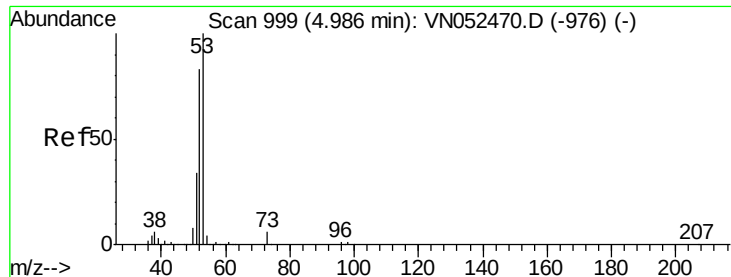


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





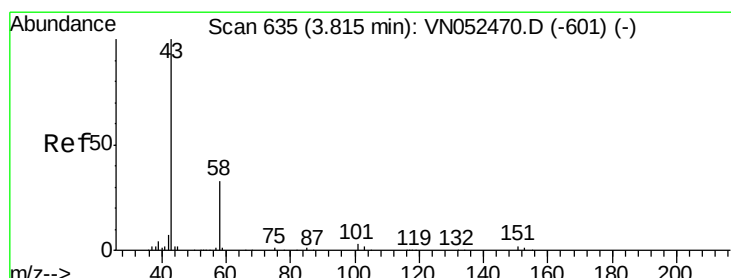
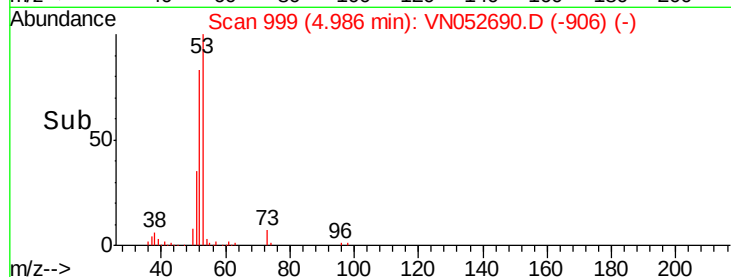
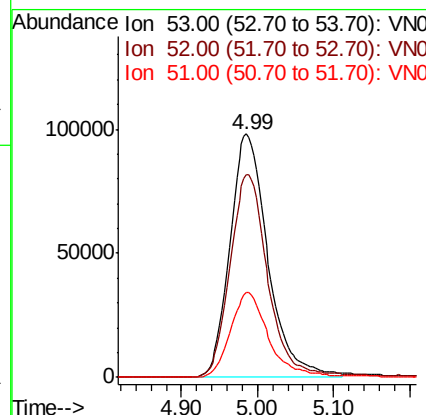
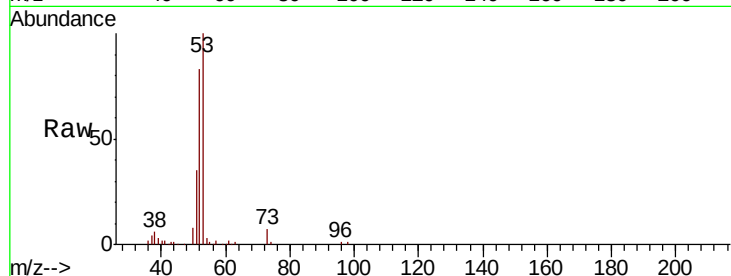
#15
 Acrylonitrile
 Concen: 96.956 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion:	53	Resp:	340643
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.2	99.2
51	35.2	28.1	42.1

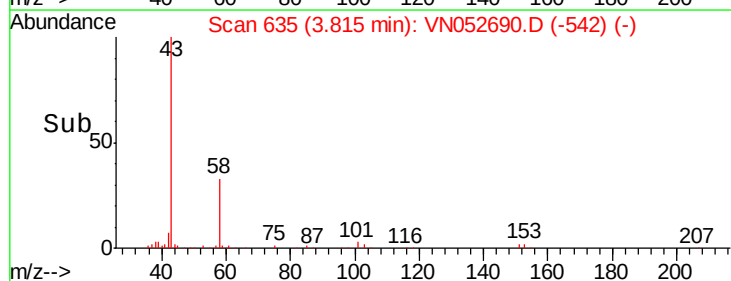
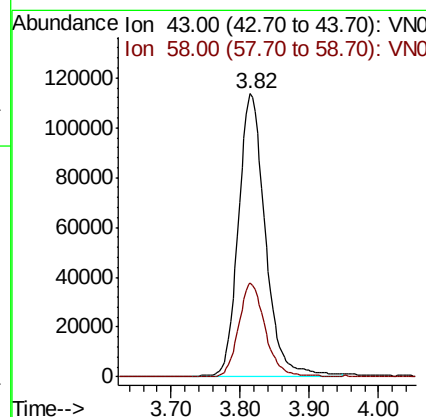
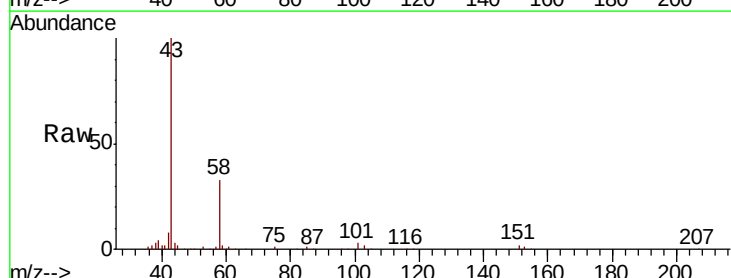
Manual Integrations
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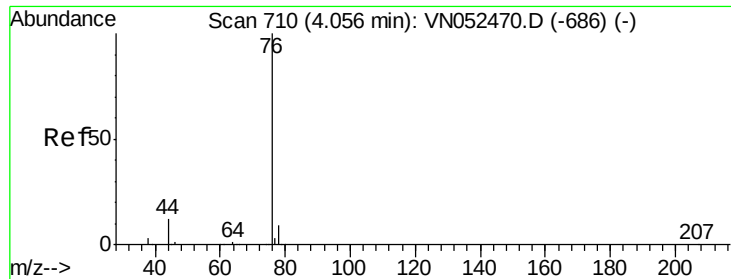
MMDadoda
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#16
 Acetone
 Concen: 105.535 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion:	43	Resp:	308603
Ion Ratio	Lower	Upper	
43	100		
58	33.3	26.0	39.0





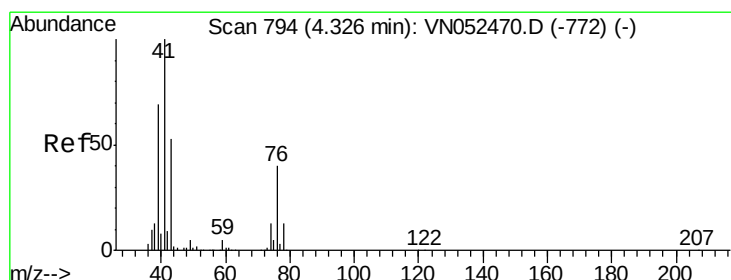
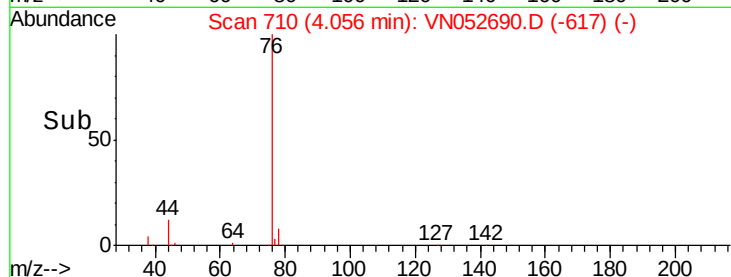
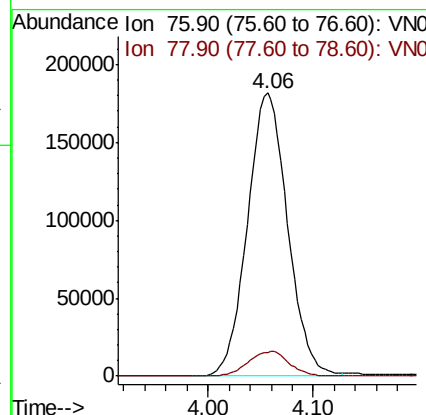
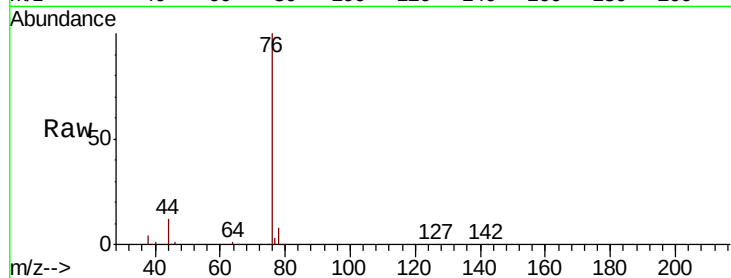
#17
Carbon Disulfide
Concen: 16.039 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

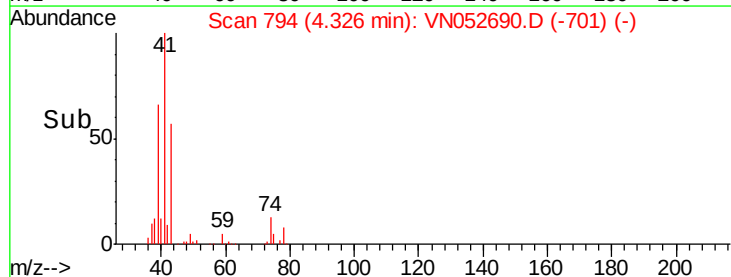
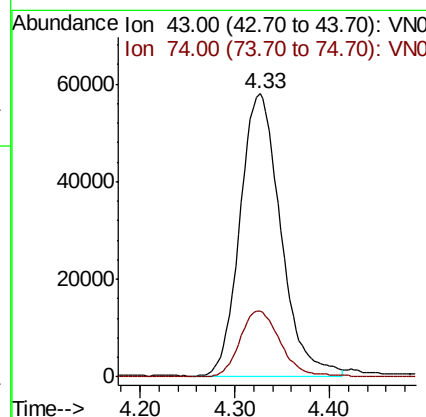
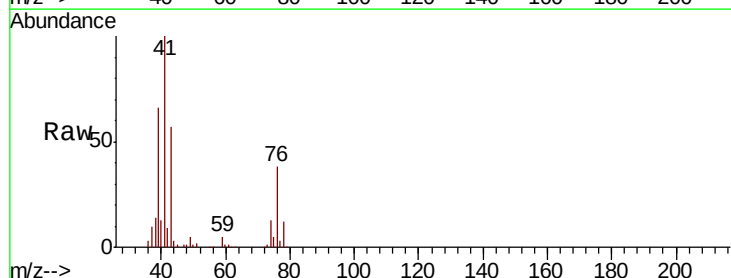
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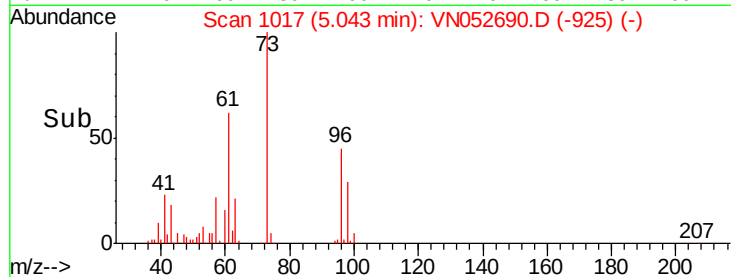
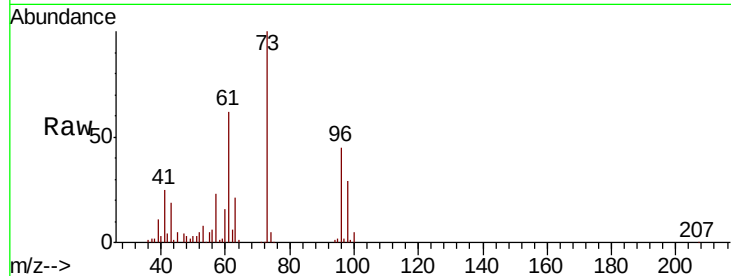
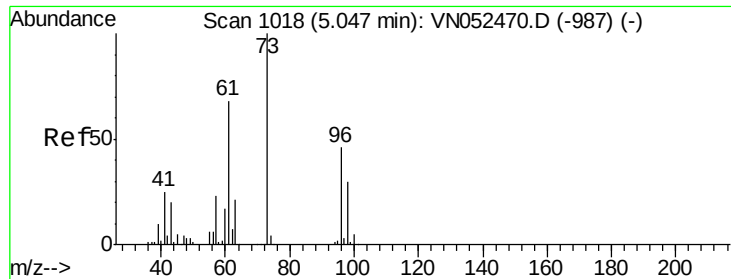
MMDadoda
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#18
Methyl Acetate
Concen: 20.599 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	27.8





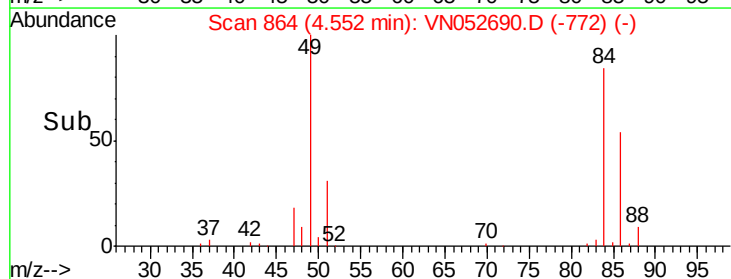
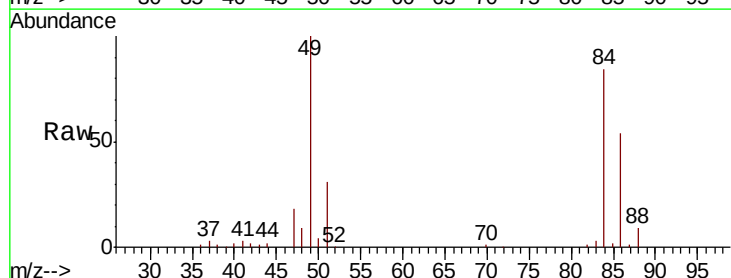
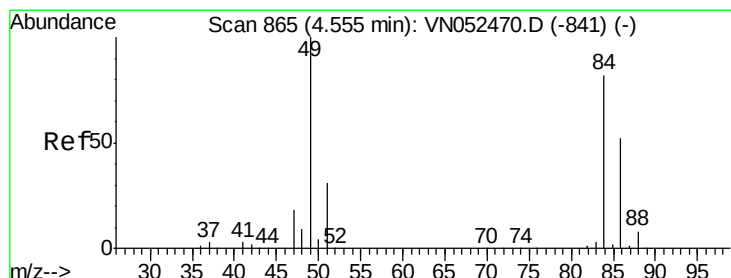
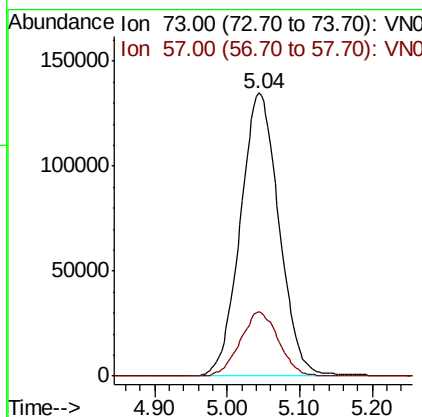
#19
Methyl tert-butyl Ether
Concen: 19.694 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tot Ion: 73 Resp: 499770
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

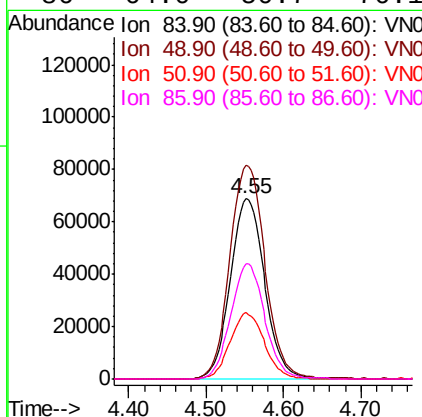
Manual Integrations
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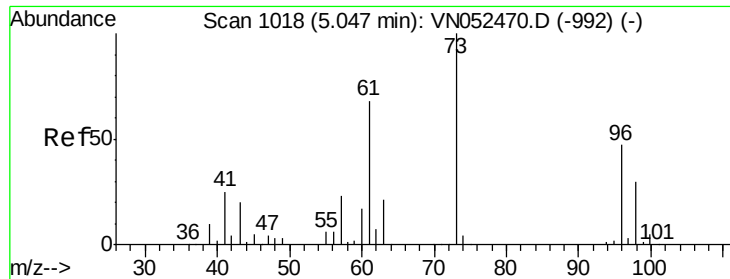
MMDadoda
12/7/2018 1:12:44 PM



#20
Methylene Chloride
Concen: 18.593 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 84 Resp: 212765
Ion Ratio Lower Upper
84 100
49 118.5 98.0 147.0
51 36.8 30.1 45.1
86 64.0 50.7 76.1





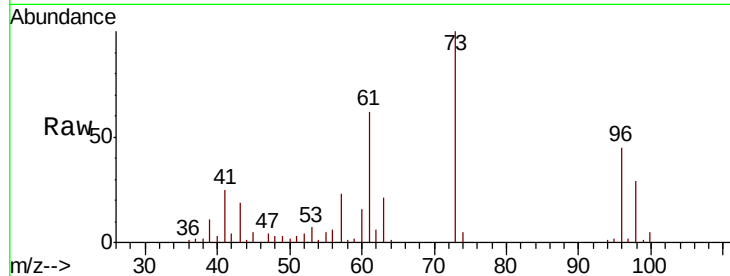
#21
trans-1,2-Dichloroethene
Concen: 18.938 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	117.0	175.4
98	63.9	51.8	77.6

Manual Integrations
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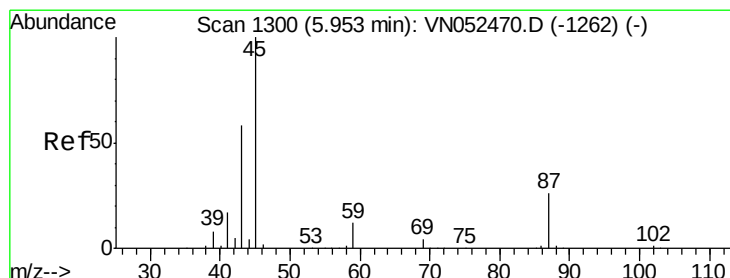
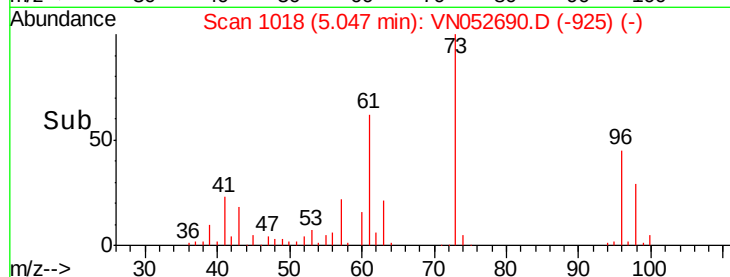
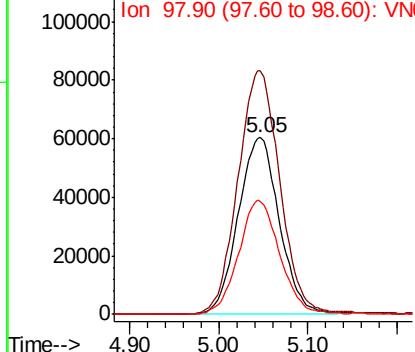


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 19.401 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	46.1	69.1
87	26.3	21.3	31.9
59	11.8	9.5	14.3

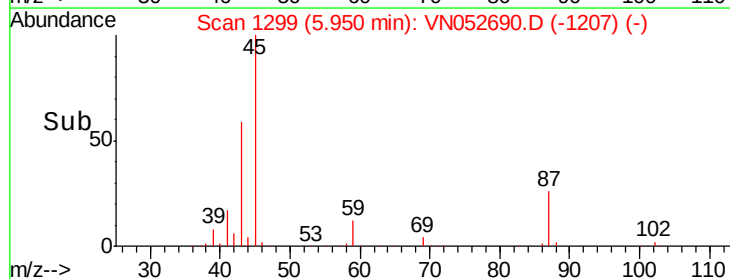
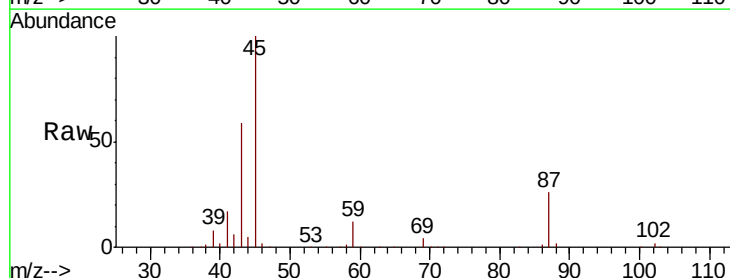
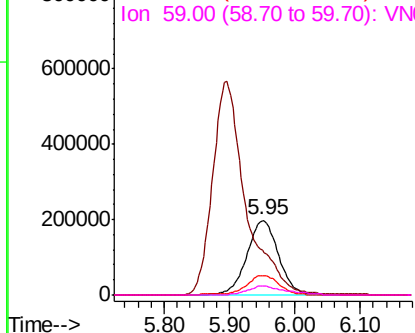
Abundance

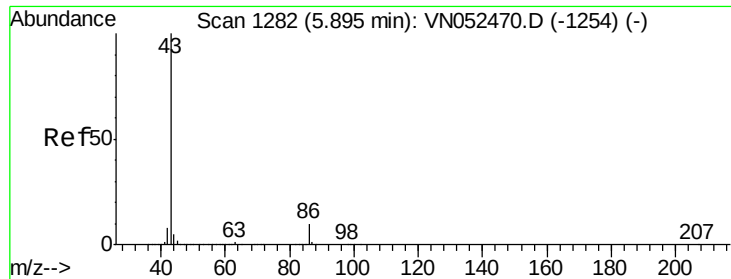
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 93.642 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 43 Resp: 2013978

Ion Ratio Lower Upper

43 100

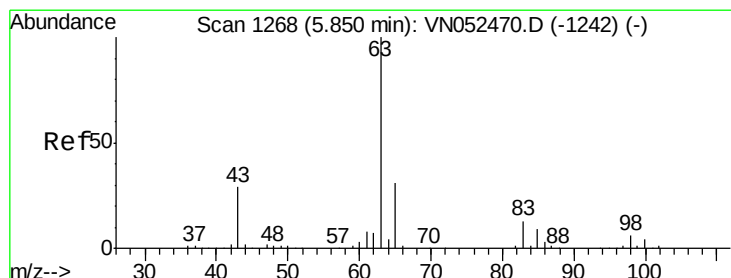
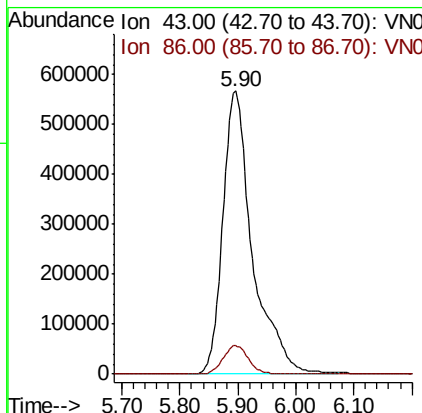
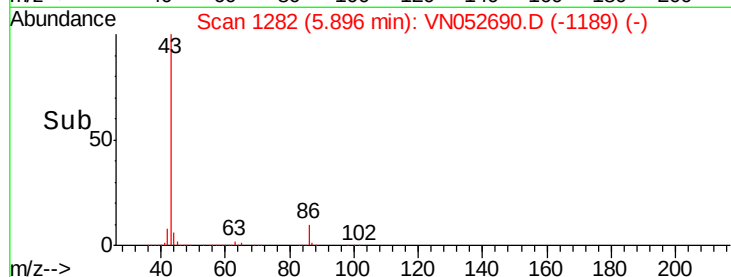
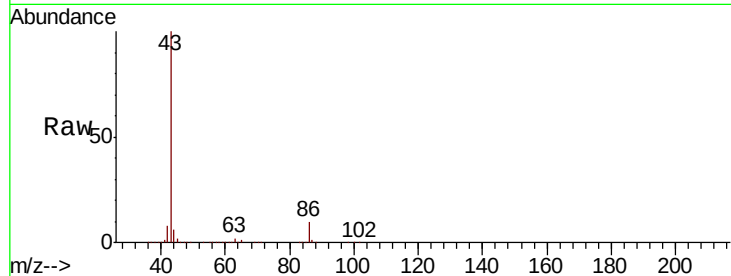
86 10.1 7.8 11.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.547 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

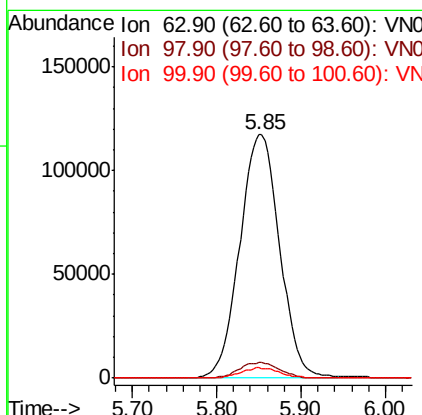
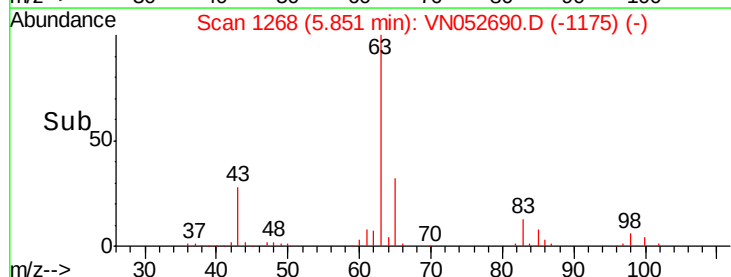
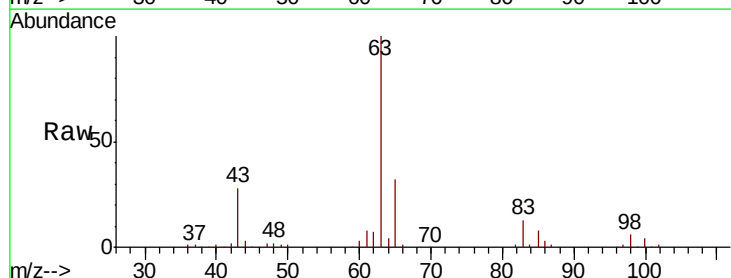
Tgt Ion: 63 Resp: 385386

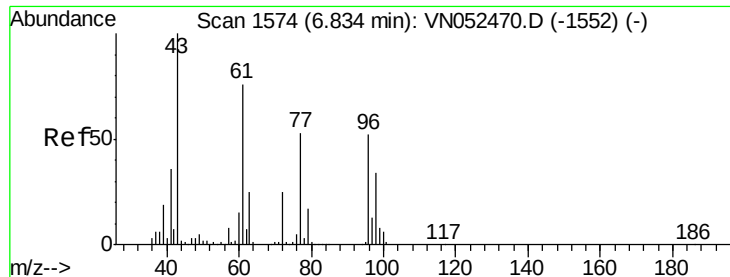
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.3 2.0 5.8





#25

2-Butanone

Concen: 98.439 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 43 Resp: 408003

Ion Ratio Lower Upper

43 100

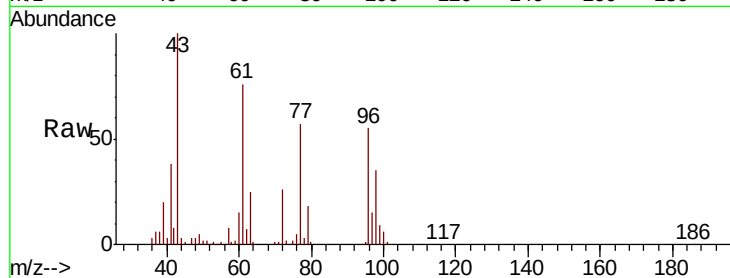
72 26.5 20.1 30.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

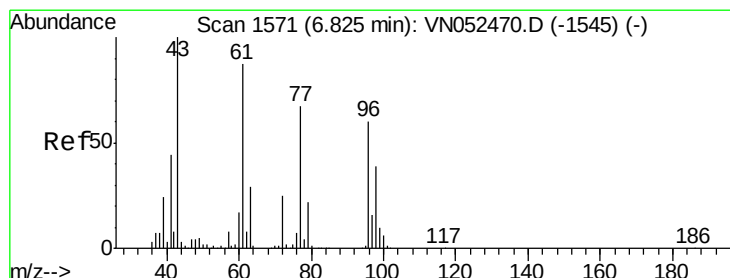
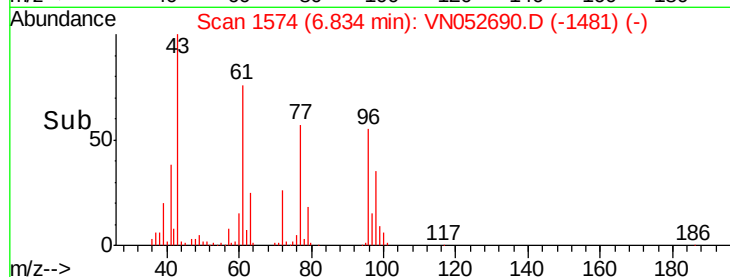
100000

50000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.373 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052690.D

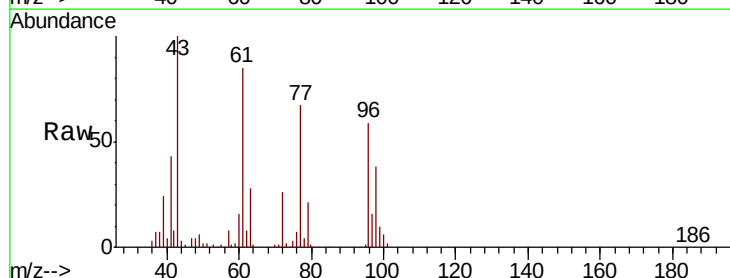
Acq: 6 Dec 2018 10:37

Tgt Ion: 77 Resp: 278015

Ion Ratio Lower Upper

77 100

97 24.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

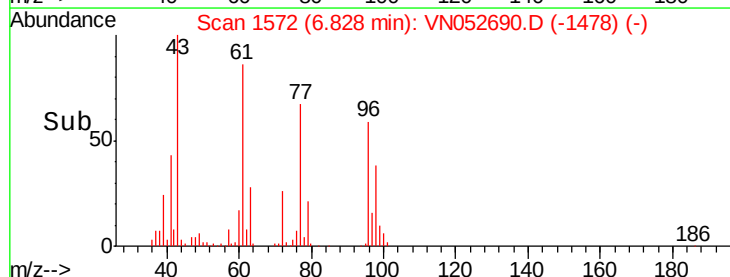
40000

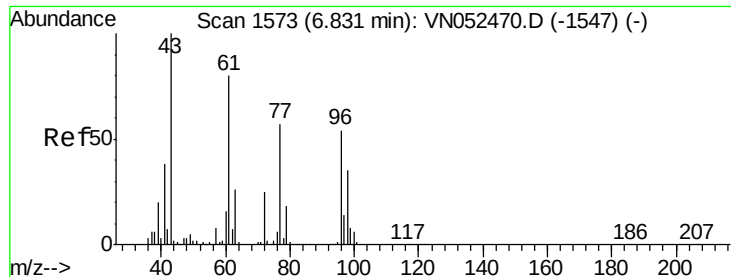
20000

0

6.70 6.80 6.90 7.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.167 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

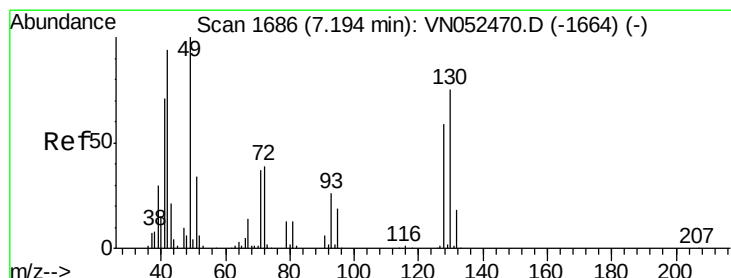
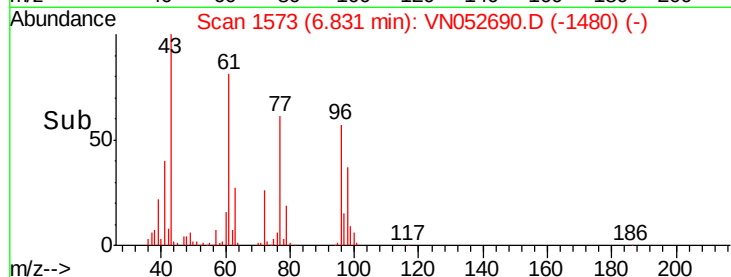
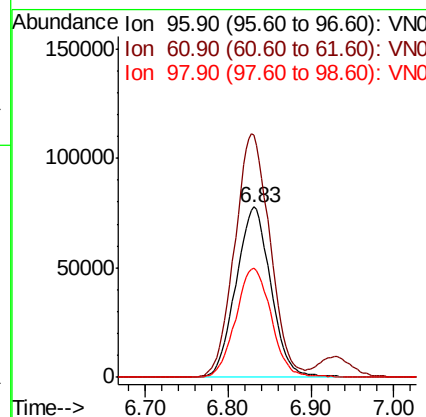
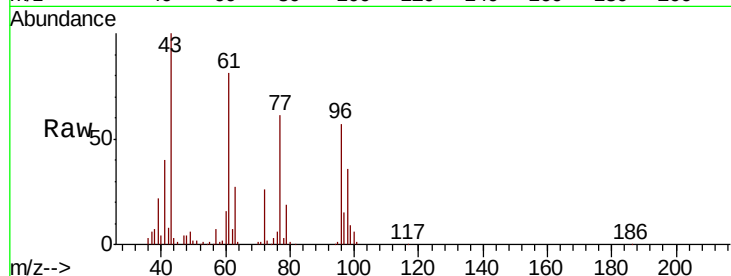
ClientSampleId :

VN1206WBS01

Tot Ion:	96	Resp:	227437
Ion Ratio	Lower	Upper	
96	100		
61	144.9	0.0	291.0
98	65.3	0.0	130.0

Manual Integrations
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MMDadoda
12/7/2018 1:12:44 PM



#28

Bromochloromethane

Concen: 19.144 ug/l

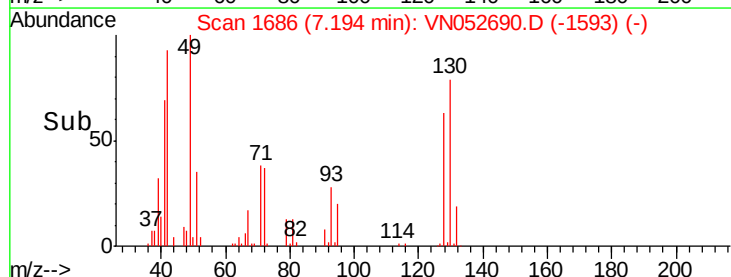
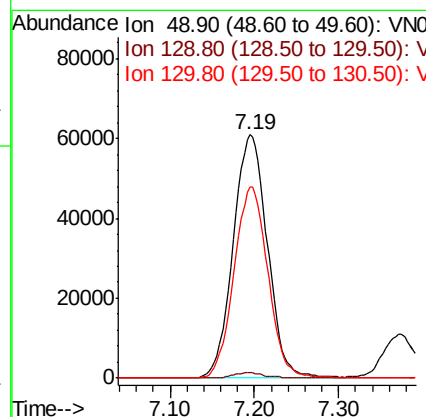
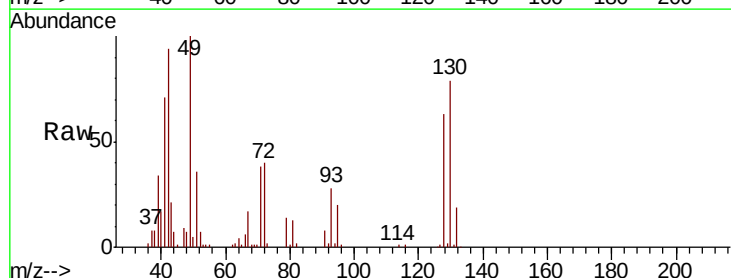
RT: 7.19 min Scan# 1686

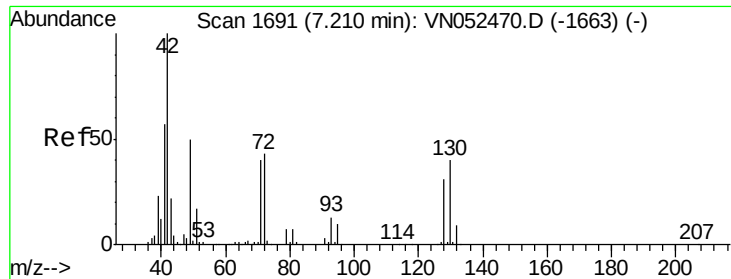
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion:	49	Resp:	172393
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	77.7	60.2	90.2





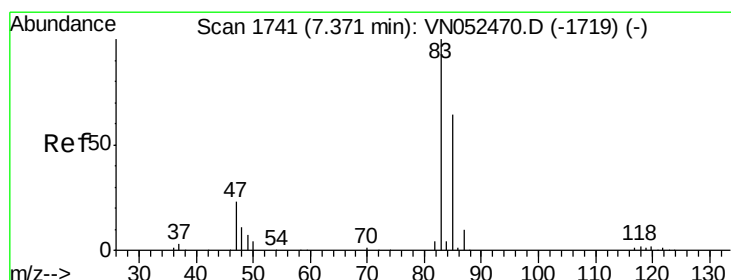
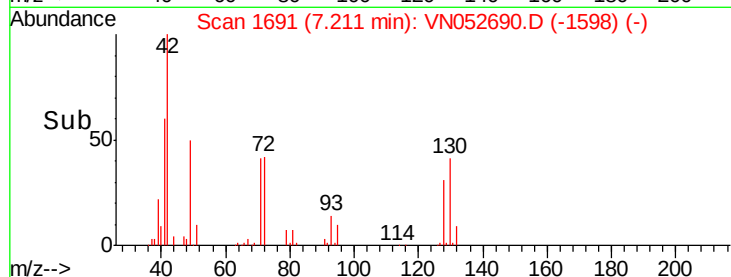
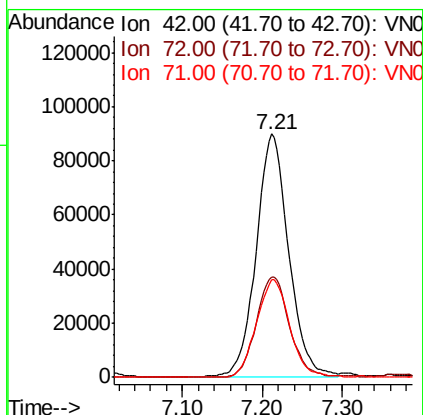
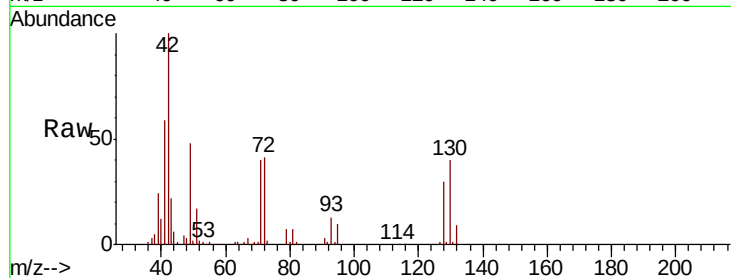
#29
Tetrahydrofuran
Concen: 93.881 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.3	49.9
71	41.3	32.0	48.0

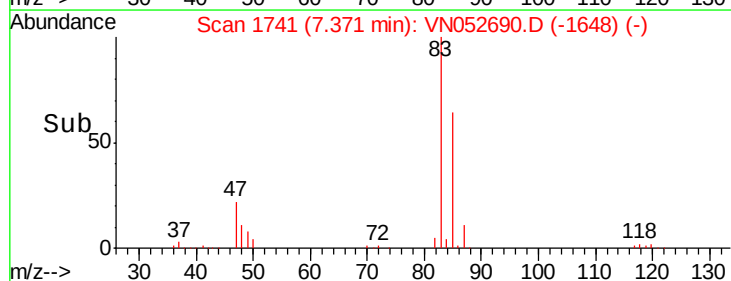
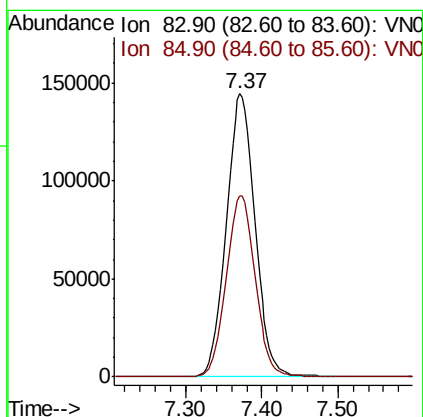
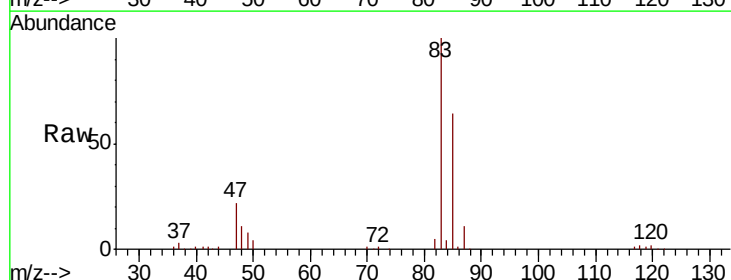
Manual Integrations
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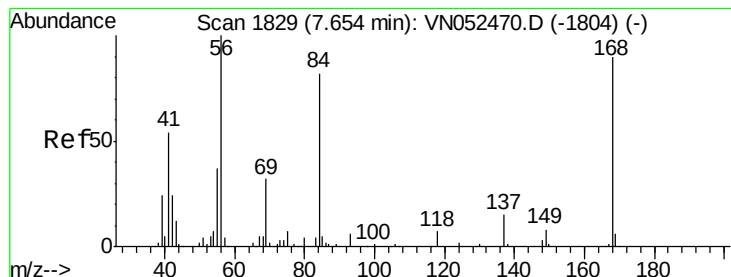
MMDadoda
12/7/2018 1:12:44 PM



#30
Chloroform
Concen: 19.318 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.4





#31

Cyclohexane

Concen: 18.242 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampled :

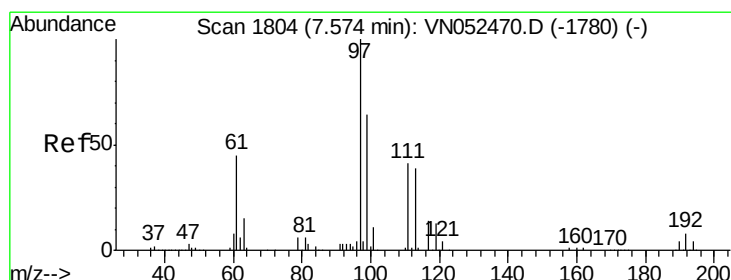
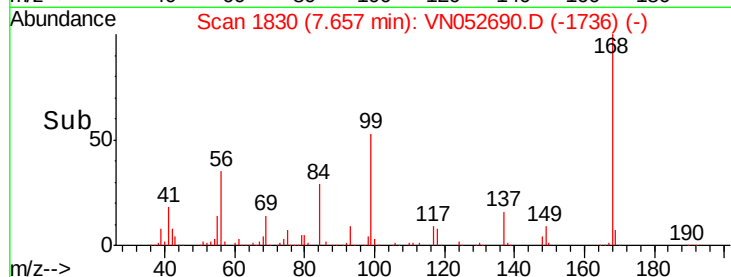
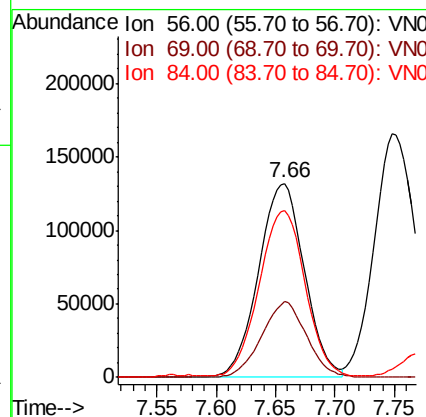
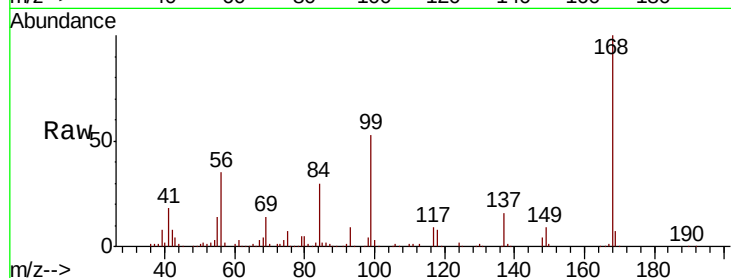
VN1206WBS01

Tot Ion: 56 Resp: 352540

Ion	Ratio	Lower	Upper
56	100		
69	39.1	25.8	38.6#
84	84.7	65.3	97.9

Manual Integrations
APPROVED

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12/7/2018 1:12:44 PM



#32

1,1,1-Trichloroethane

Concen: 19.897 ug/l

RT: 7.57 min Scan# 1803

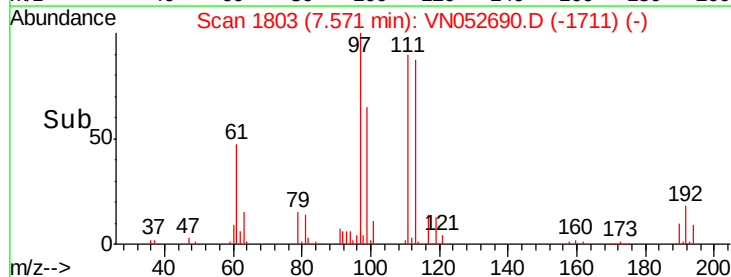
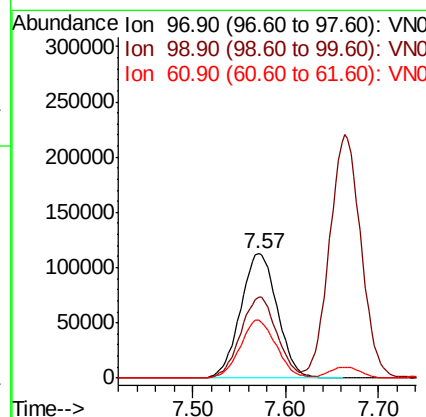
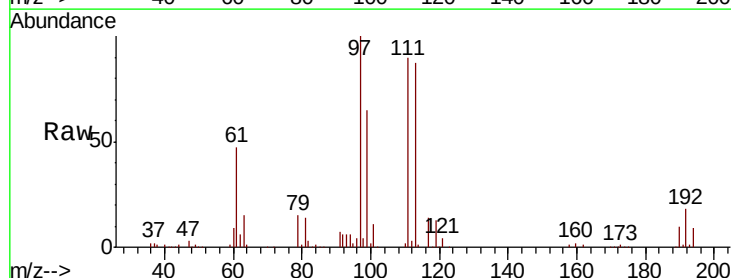
Delta R.T. -0.00 min

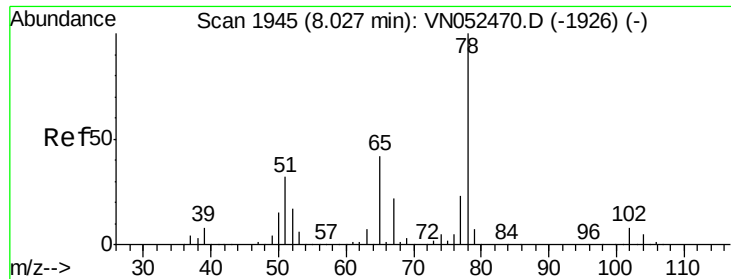
Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion: 97 Resp: 310092

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.7	77.5
61	45.7	36.8	55.2





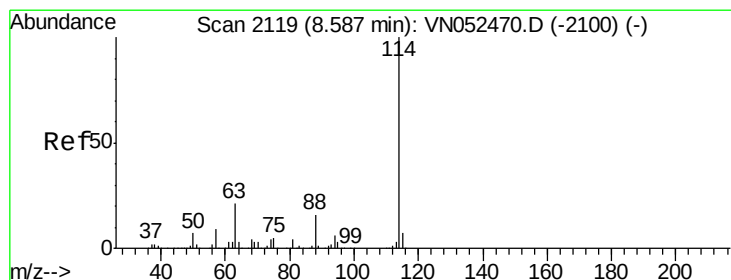
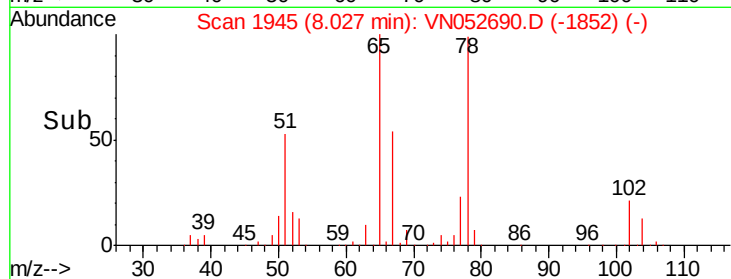
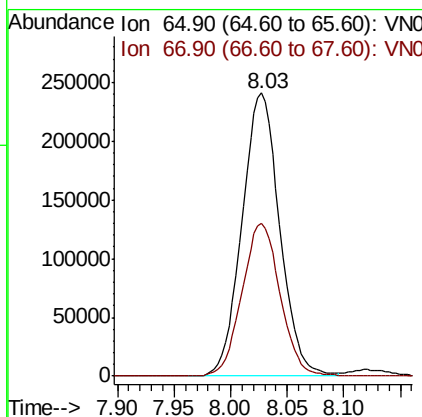
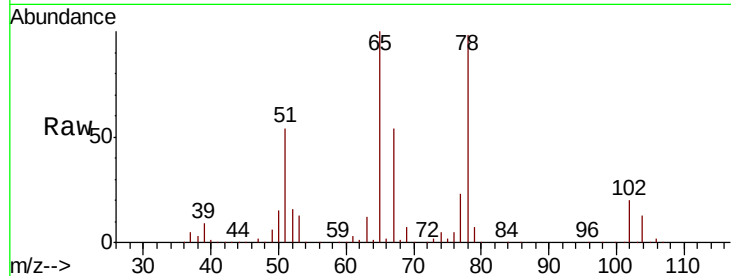
#33
 1,2-Dichloroethane-d4
 Concen: 19.897 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	109.8	

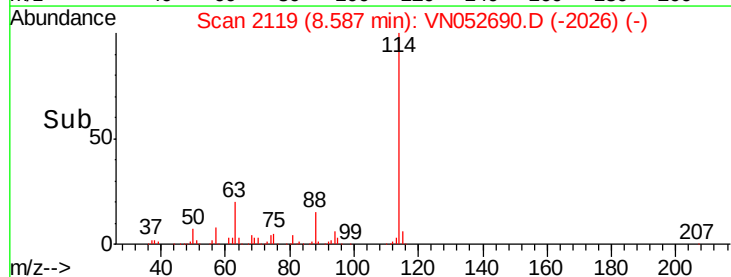
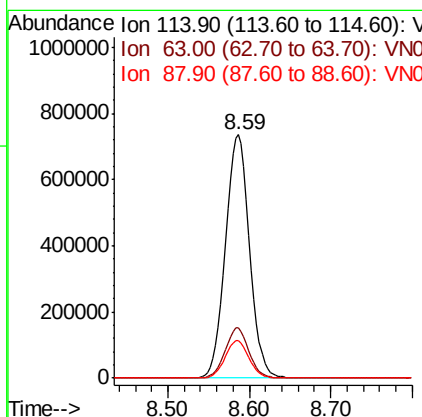
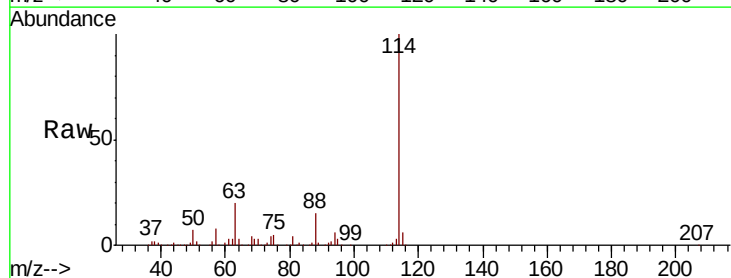
Manual Integrations
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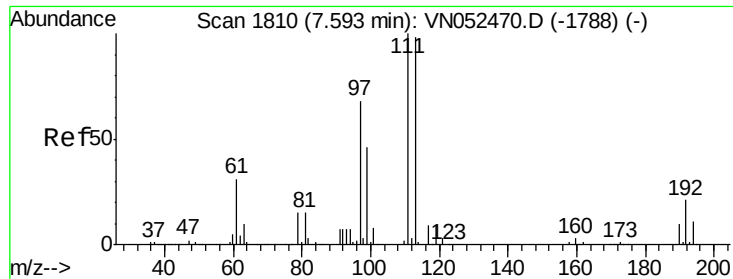
MMDadoda
 12/7/2018 1:12:44 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	41.8	
88	15.2	0.0	31.6	





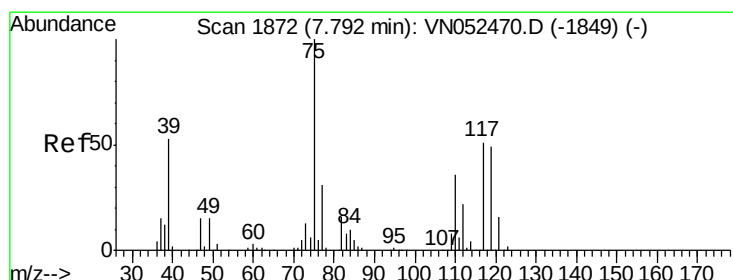
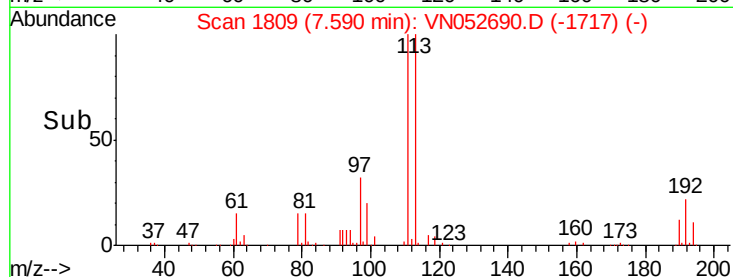
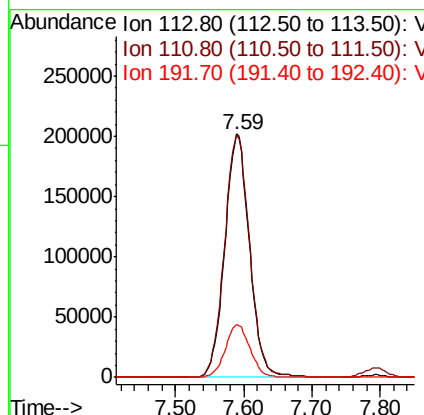
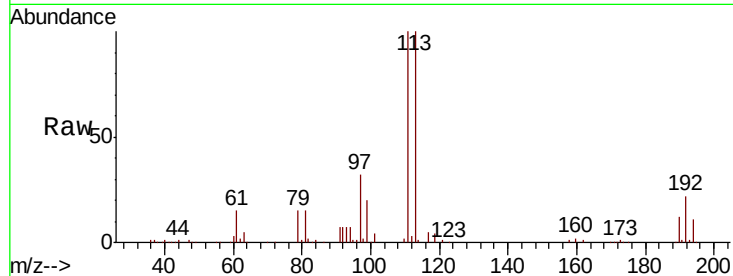
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.8	82.0	123.0	
192	21.9	17.0	25.6	

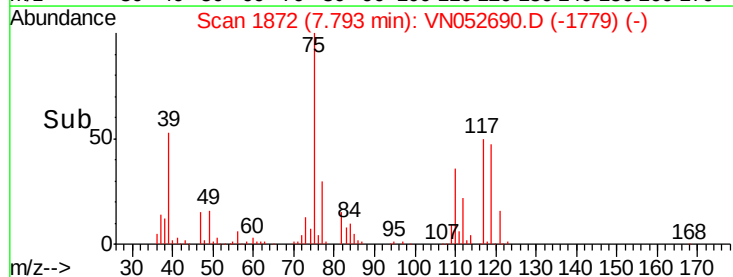
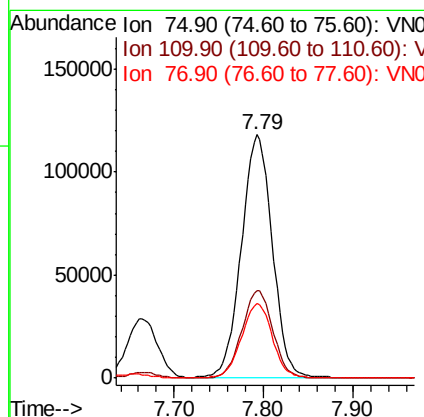
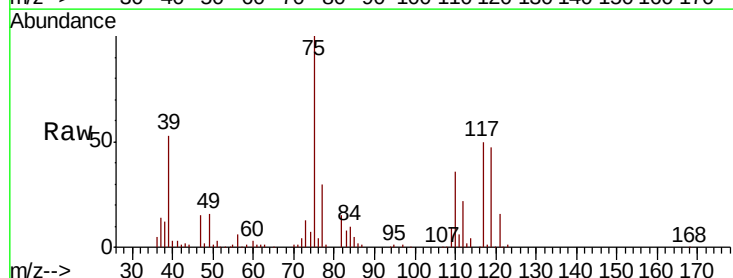
Manual Integrations
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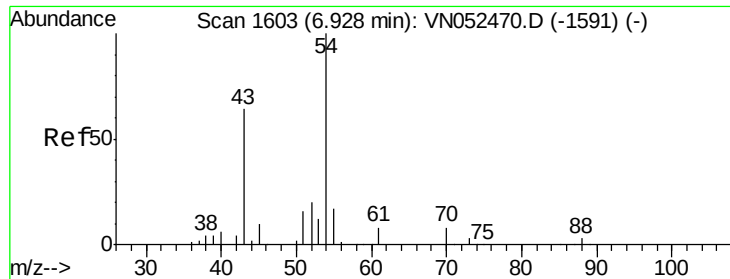
MMDadoda
 12/7/2018 1:12:44 PM



#36
 1,1-Dichloropropene
 Concen: 19.609 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	17.5	52.6	
77	30.8	24.5	36.7	





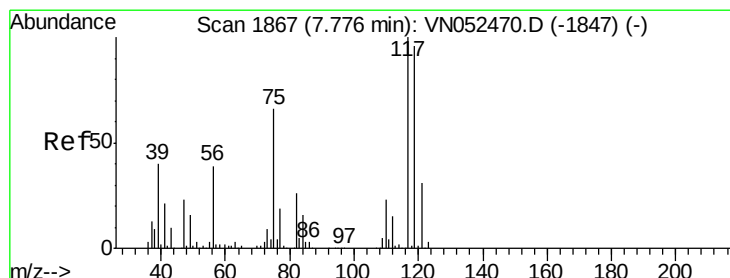
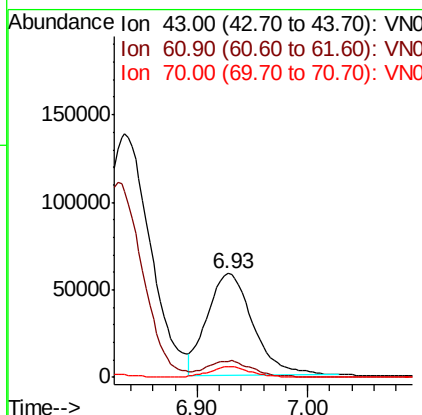
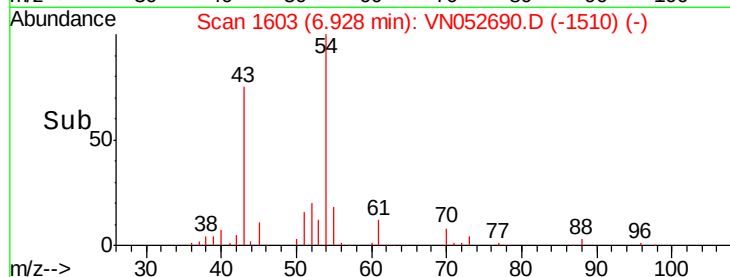
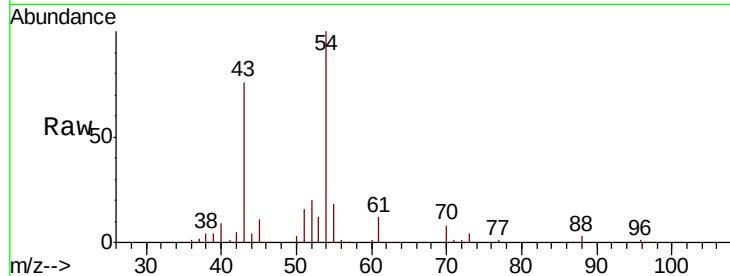
#37
Ethyl Acetate
Concen: 19.108 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.6	11.8	17.8	
70	9.2	7.8	11.8	

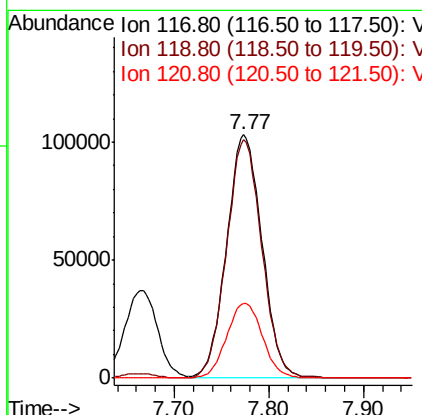
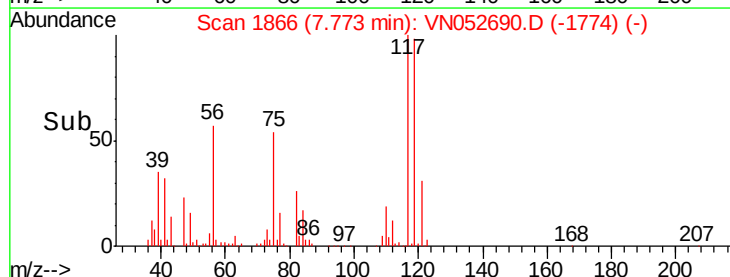
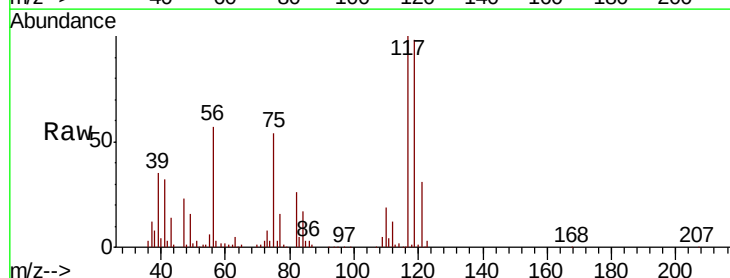
Manual Integrations
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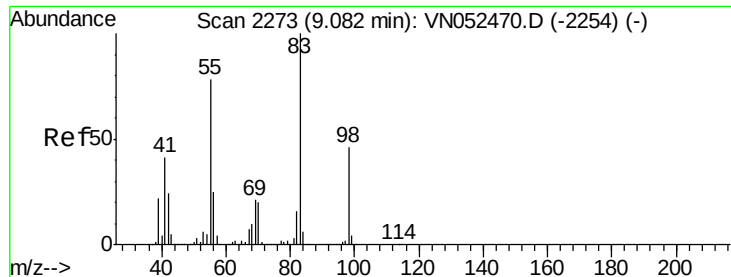
MMDadoda
12/7/2018 1:12:44 PM



#38
Carbon Tetrachloride
Concen: 20.554 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	97.8	76.8	115.2	
121	30.6	24.9	37.3	





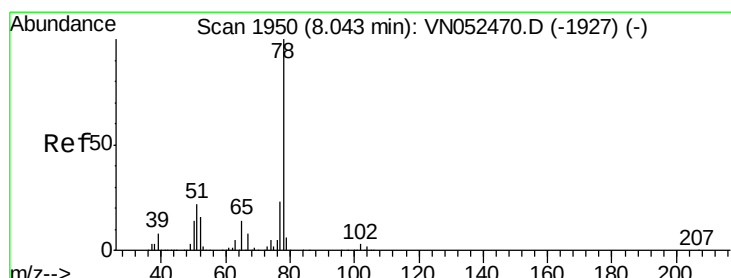
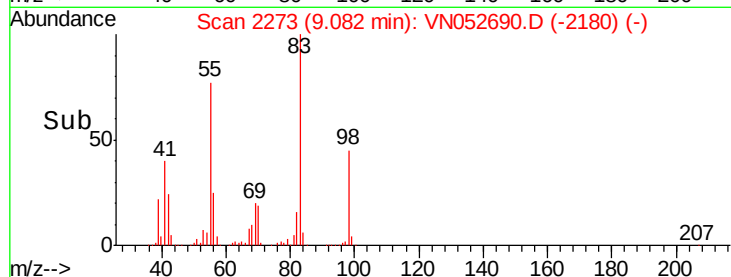
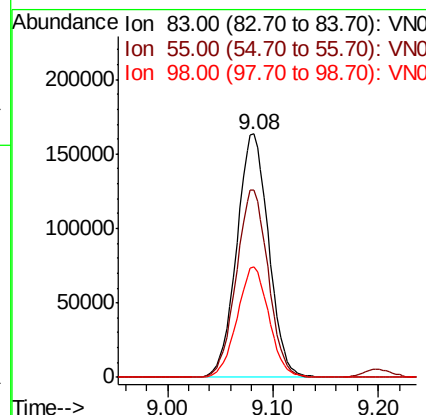
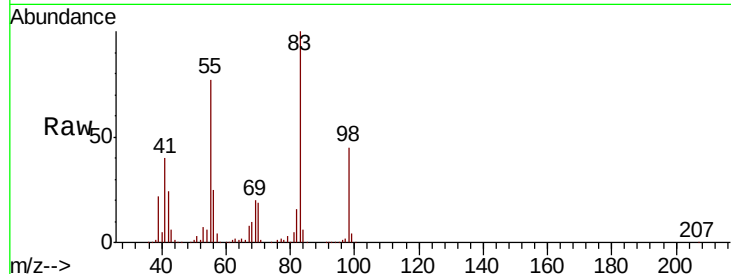
#39
Methylvlcyclohexane
Concen: 19.535 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.7	62.2	93.2	
98	45.4	36.4	54.6	

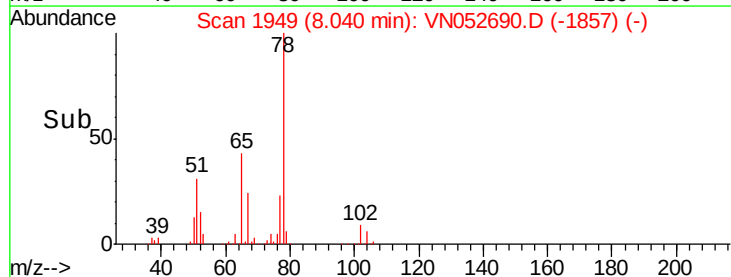
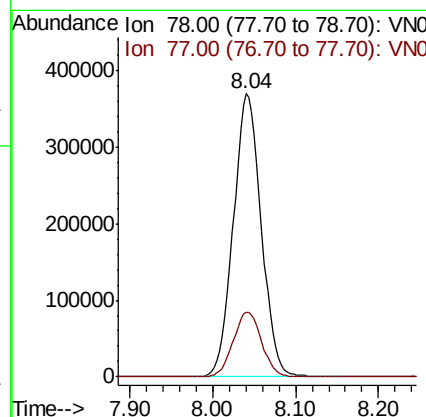
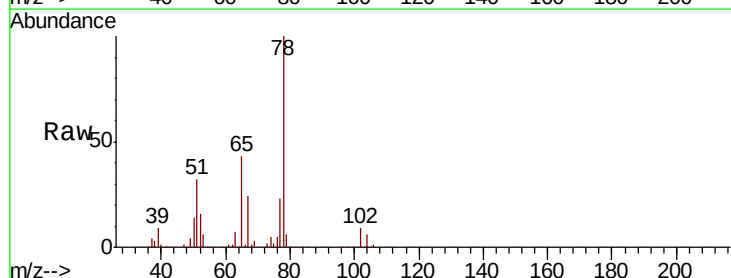
Manual Integrations
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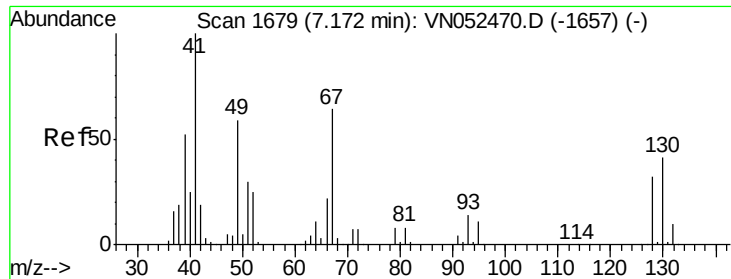
MMDadoda
12/7/2018 1:12:44 PM



#40
Benzene
Concen: 20.092 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





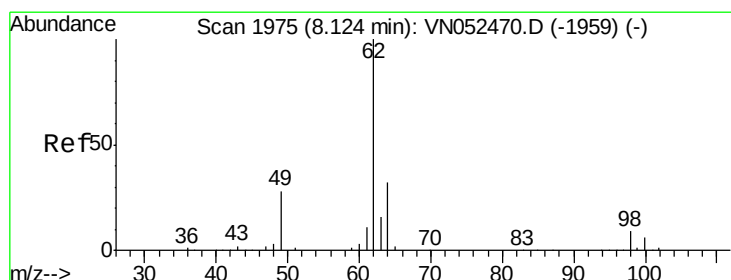
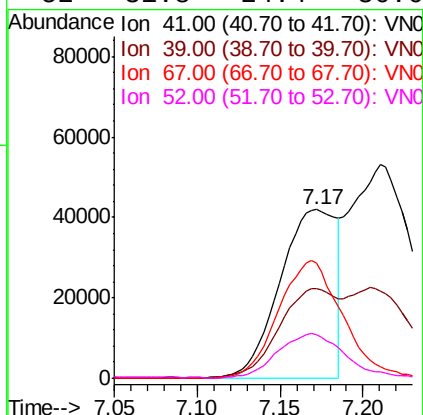
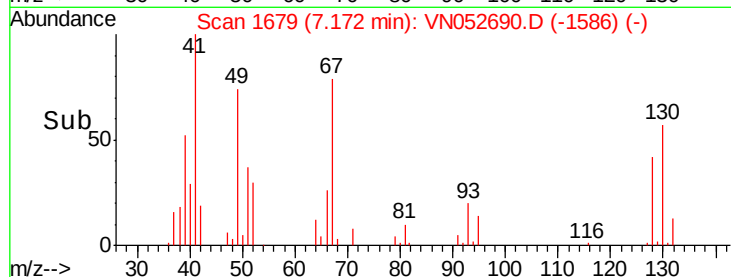
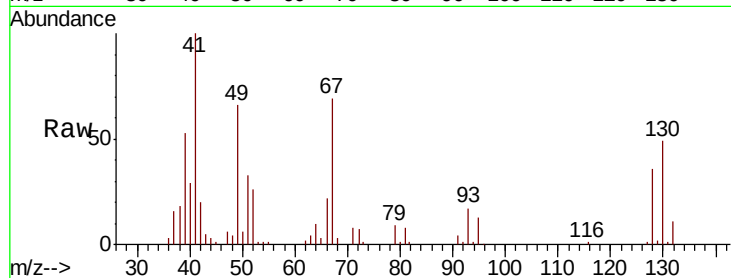
#41
Methacrylonitrile
Concen: 20.630 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		99585		
39	53.0	50.9	76.3		
67	80.7	63.6	95.4		
52	31.8	24.4	36.6		

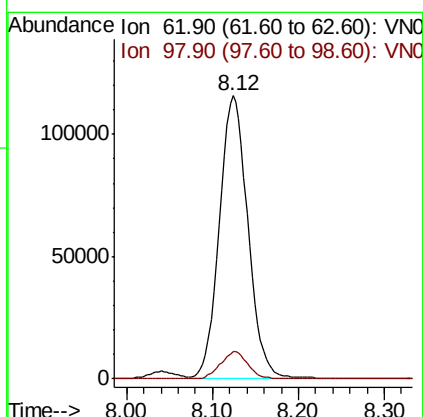
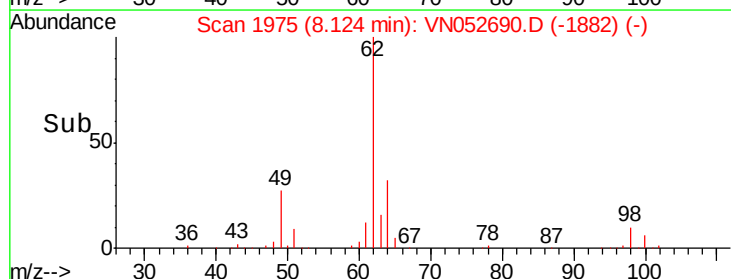
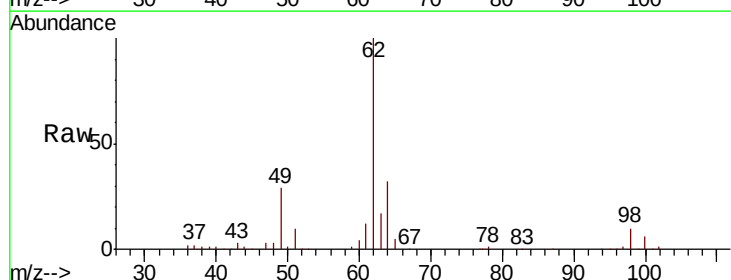
Manual Integrations
APPROVED

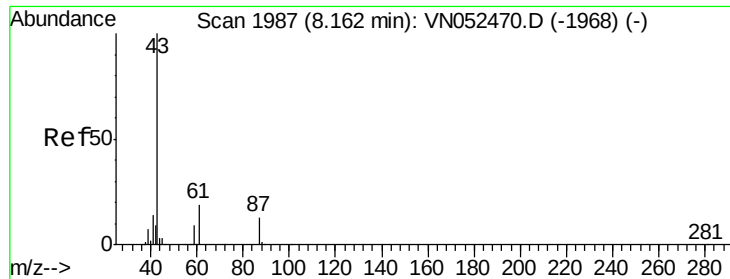
MMDadoda
12/7/2018 1:12:44 PM



#42
1,2-Dichloroethane
Concen: 20.490 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		267489		
98	9.3	0.0	18.6		





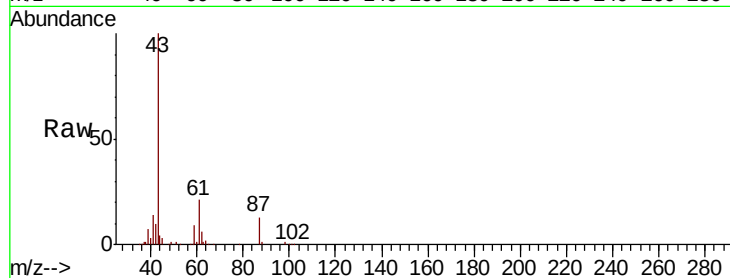
#43
Isopropyl Acetate
Concen: 20.093 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

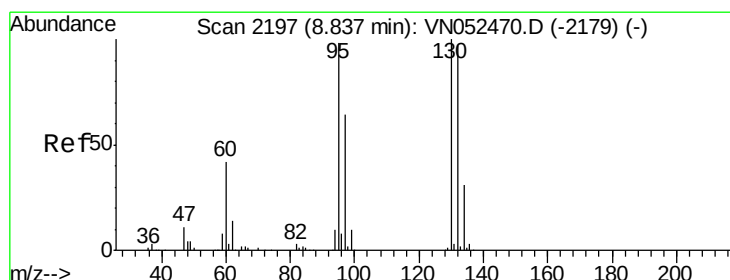
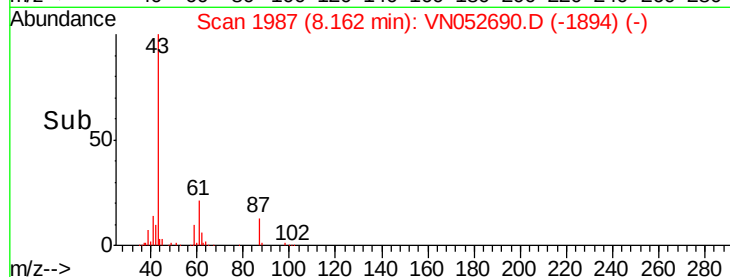
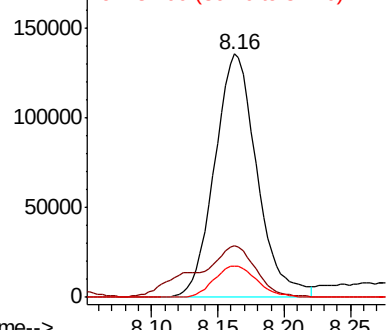
Tot Ion	Ratio	Lower	Upper
43	100		
61	20.0	24.1	36.1#
87	13.2	10.6	15.8

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MMDadoda
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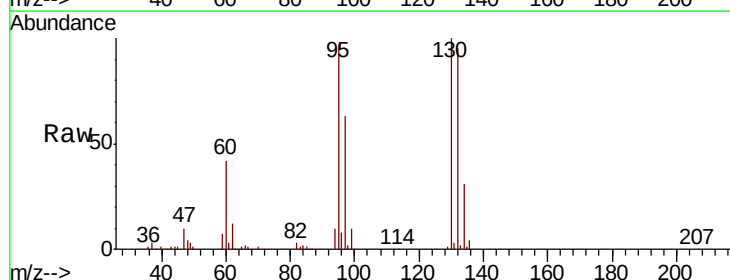


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

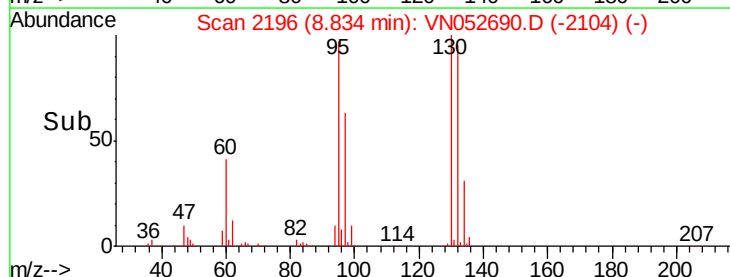
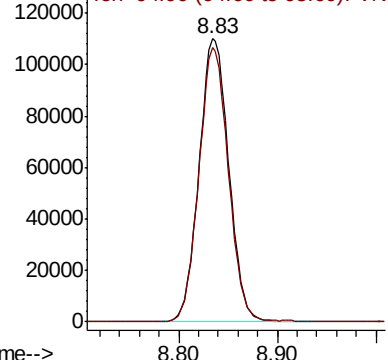


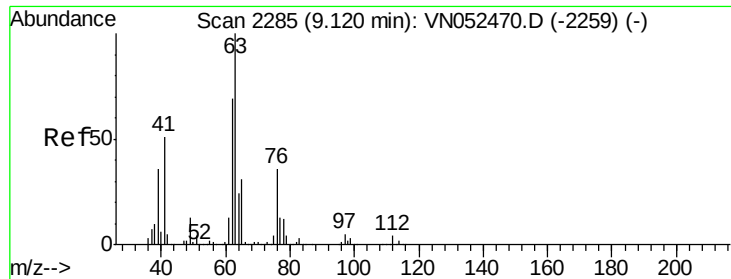
#44
Trichloroethene
Concen: 20.944 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)





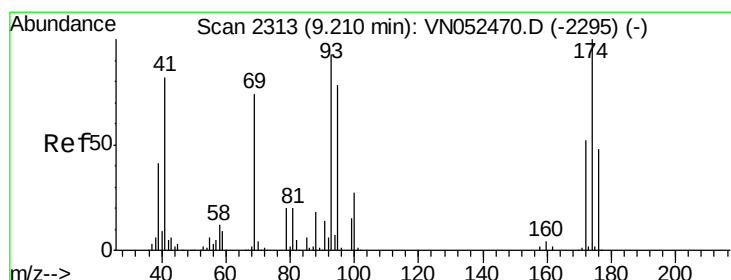
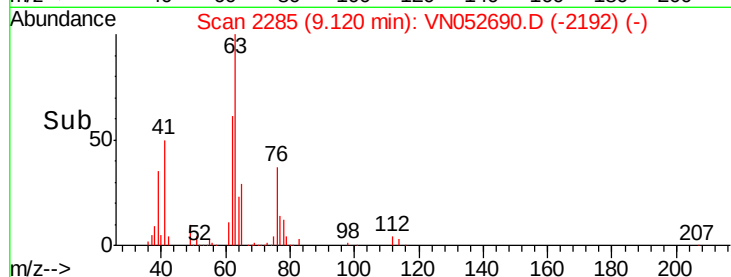
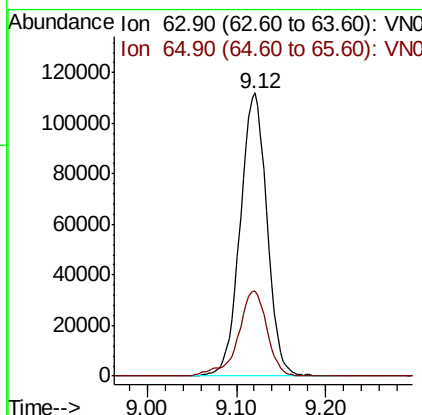
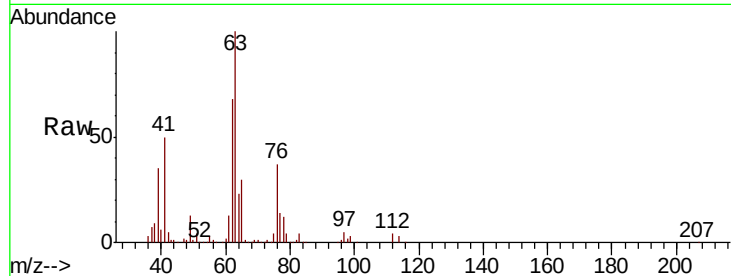
#45
 1,2-Dichloropropane
 Concen: 20.385 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion: 63 Resp: 233675
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6

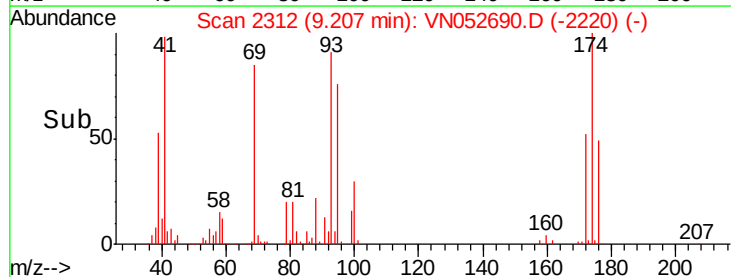
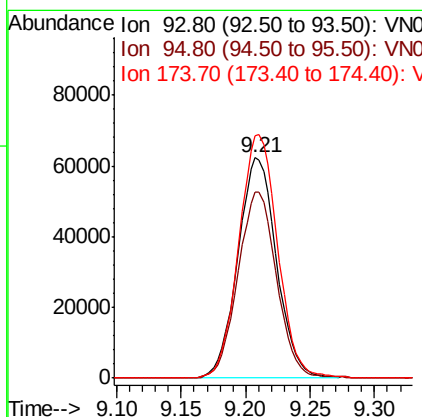
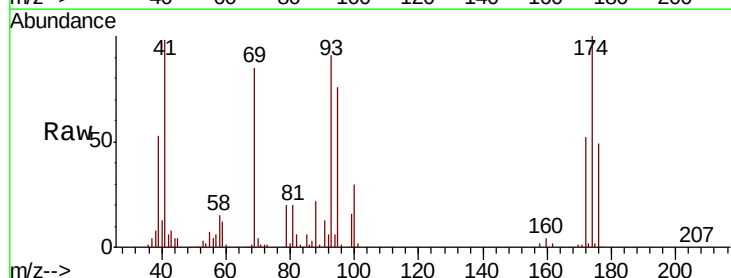
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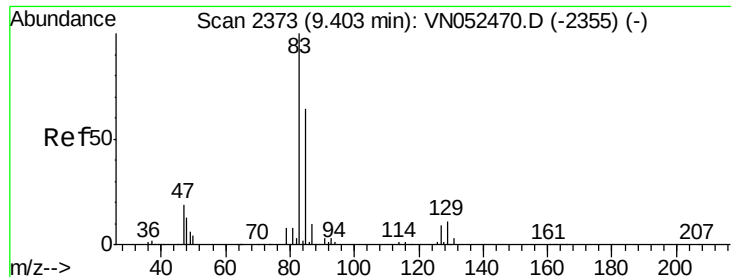
MMDadoda
 12/7/2018 1:12:44 PM



#46
 Dibromomethane
 Concen: 20.563 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 93 Resp: 130483
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.1 100.7
 174 110.6 85.8 128.8





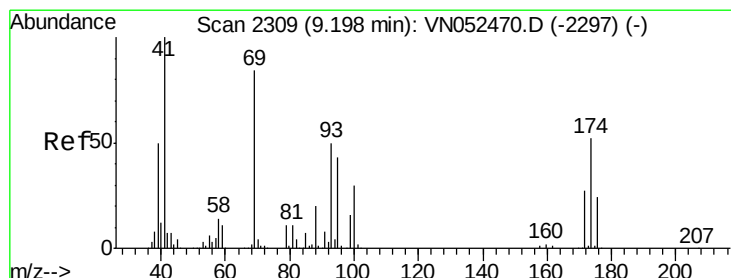
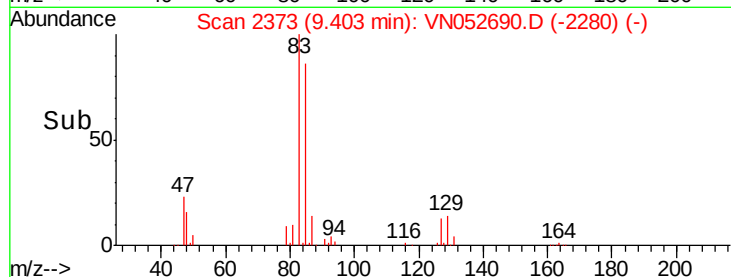
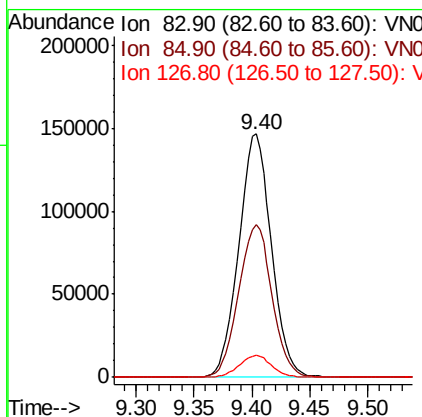
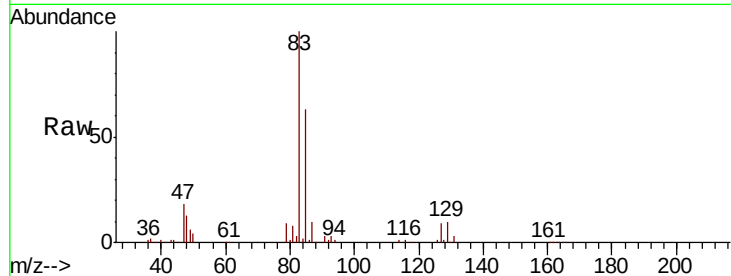
#47
Bromodichloromethane
Concen: 20.722 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	285896		
85	62.6	51.3	76.9	
127	9.1	6.9	10.3	

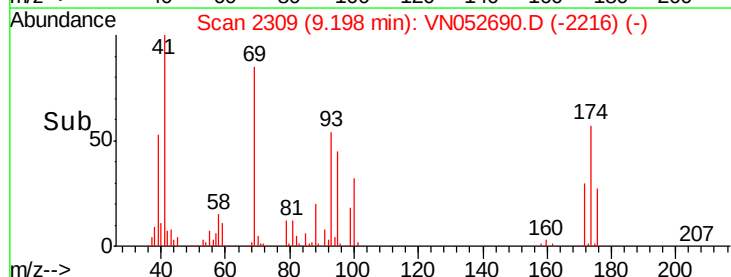
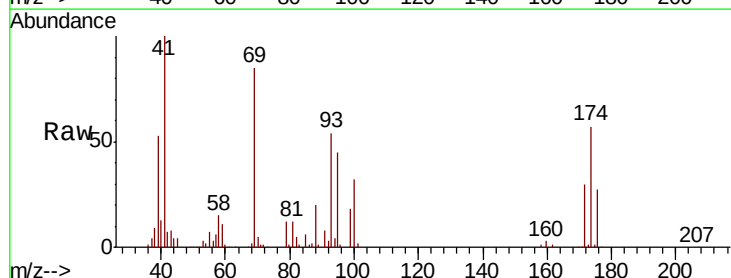
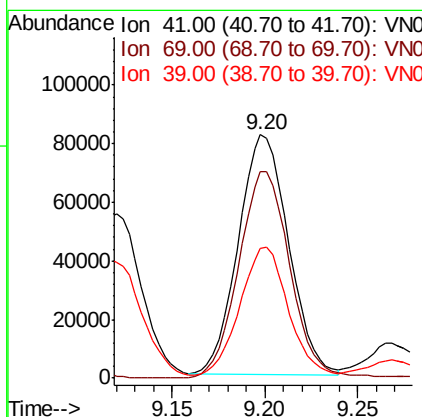
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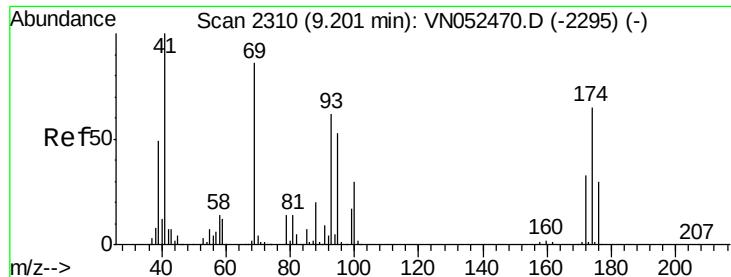
MMDadoda
12/7/2018 1:12:44 PM



#48
Methyl methacrylate
Concen: 19.793 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	154207		
69	88.3	70.0	105.0	
39	51.0	42.6	64.0	





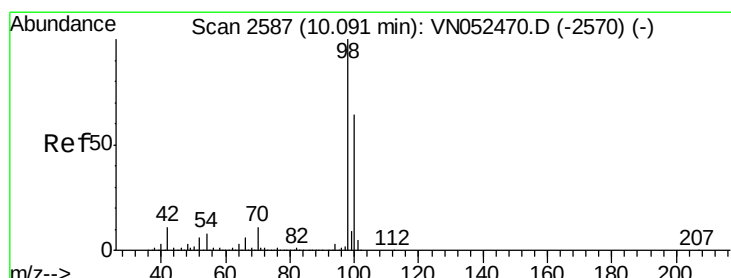
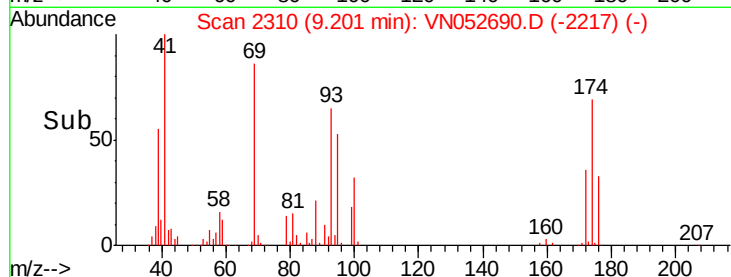
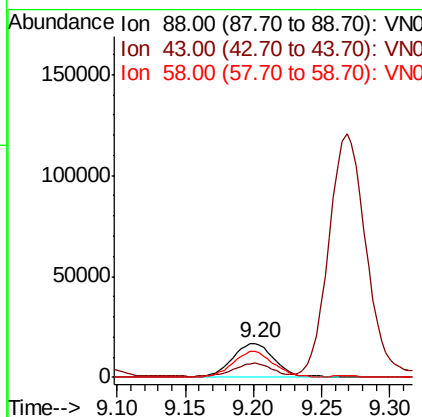
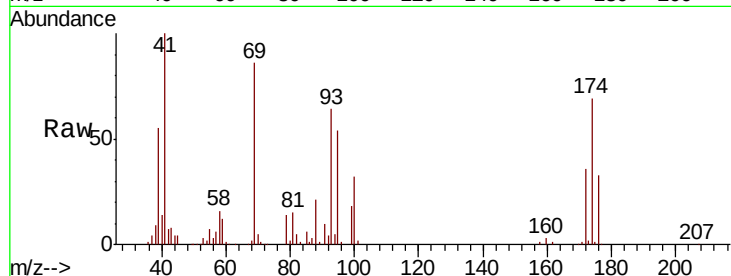
#49
1,4-Dioxane
Concen: 447.596 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.8	26.4	39.6
58	73.5	55.4	83.0

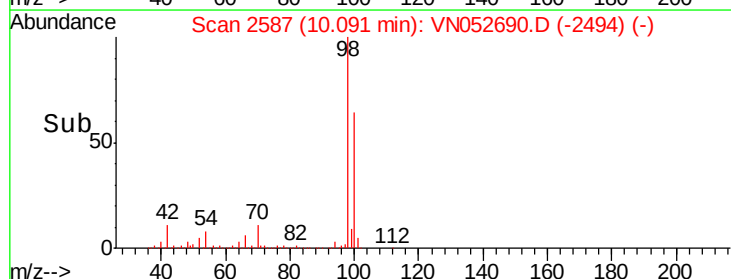
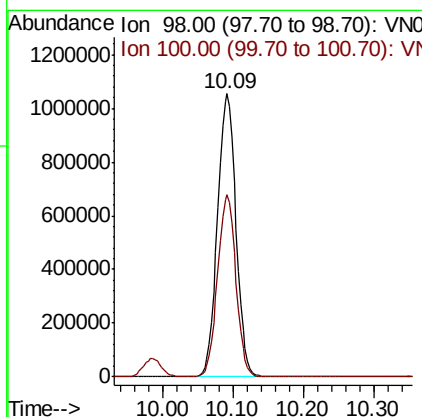
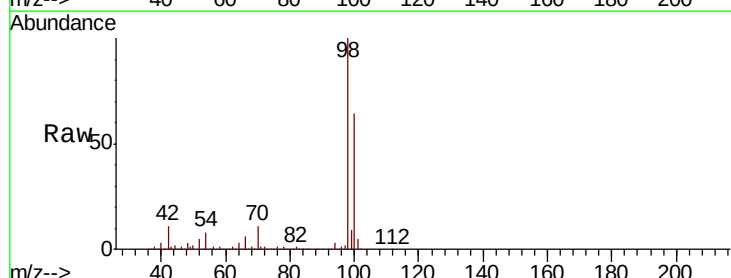
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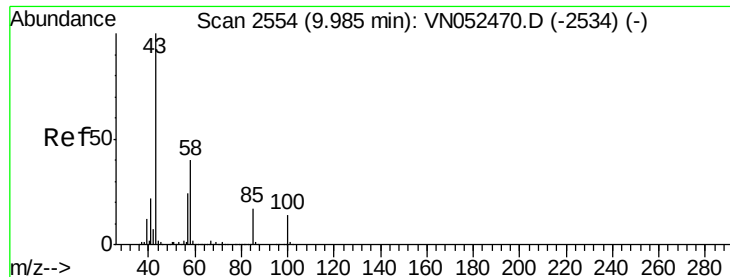
MMDadoda
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#50
Toluene-d8
Concen: 447.596 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 103.145 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 43 Resp: 864713

Ion Ratio Lower Upper

43 100

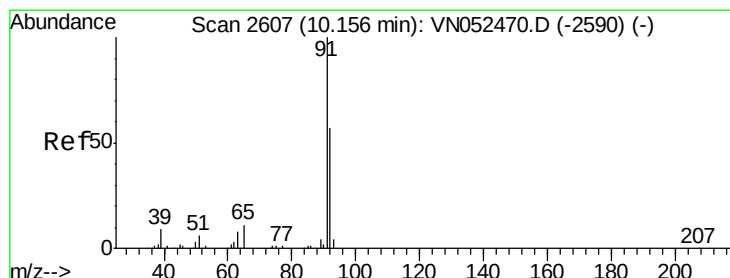
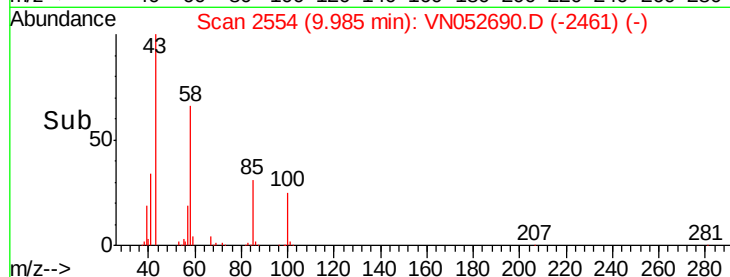
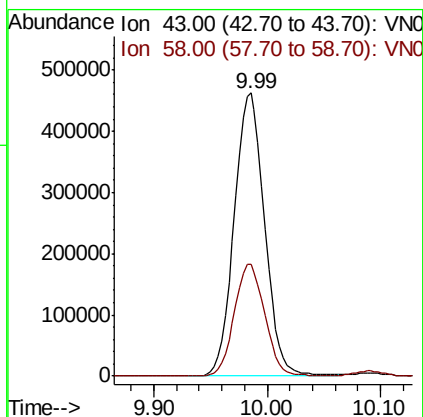
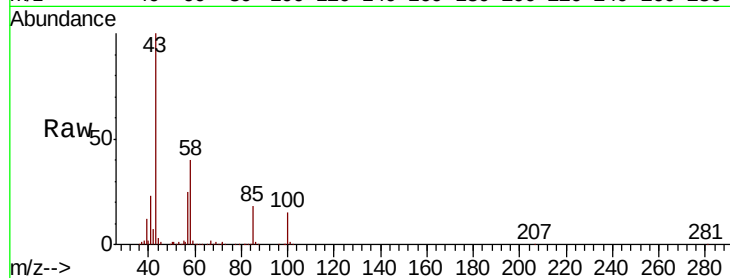
58 39.7 31.5 47.3

Manual Integrations

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#52

Toluene

Concen: 20.698 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052690.D

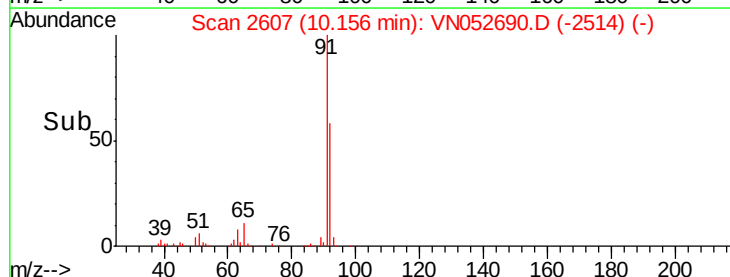
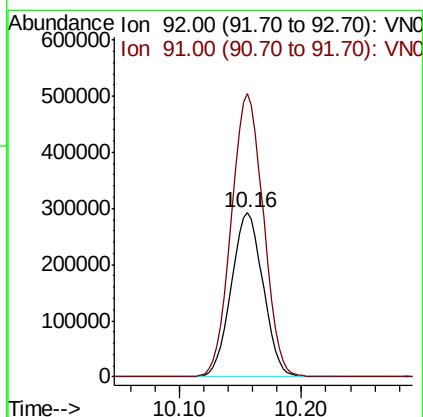
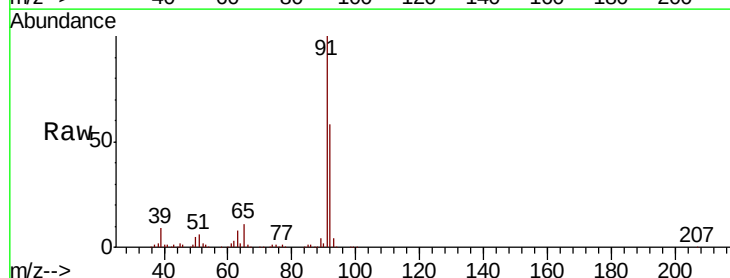
Acq: 6 Dec 2018 10:37

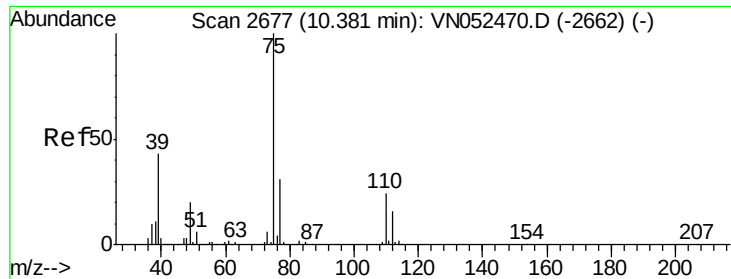
Tgt Ion: 92 Resp: 530216

Ion Ratio Lower Upper

92 100

91 173.6 141.0 211.4





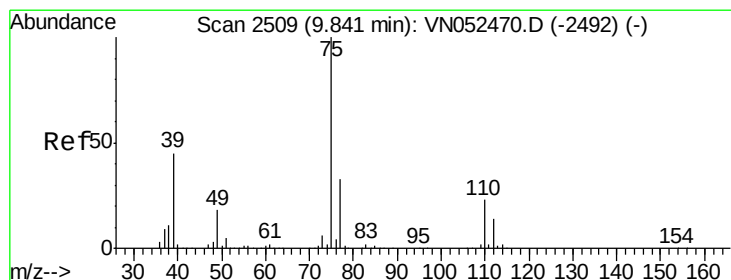
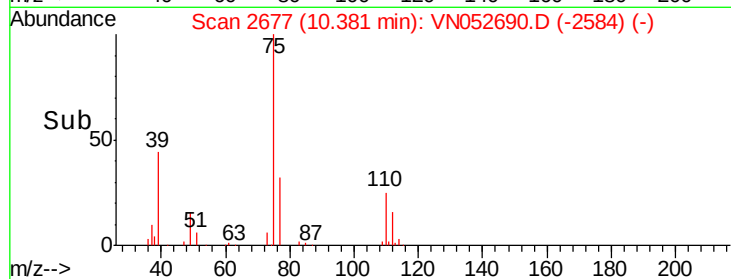
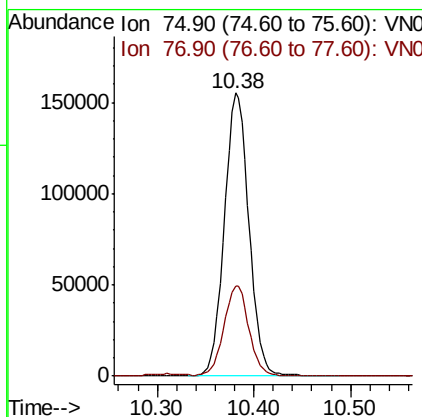
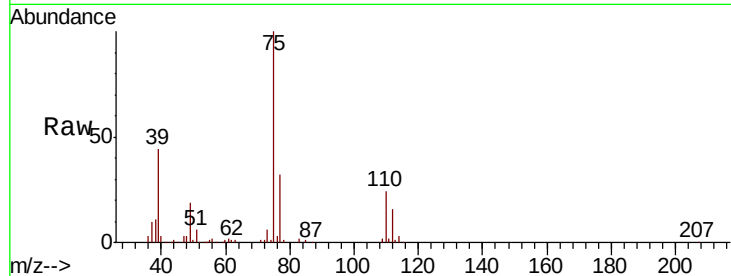
#53
t-1,3-Dichloropropene
Concen: 20.641 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion: 75 Resp: 273960
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.4

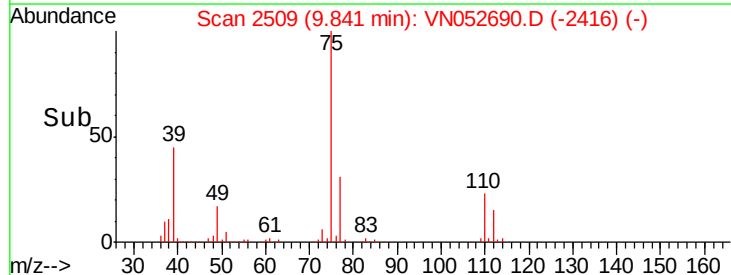
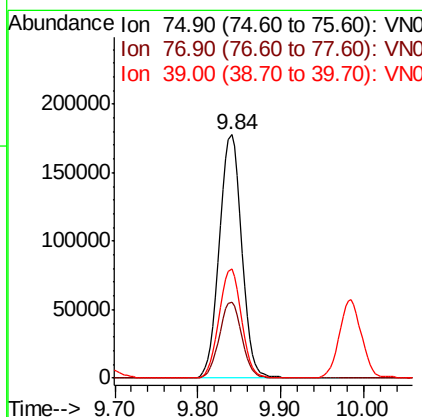
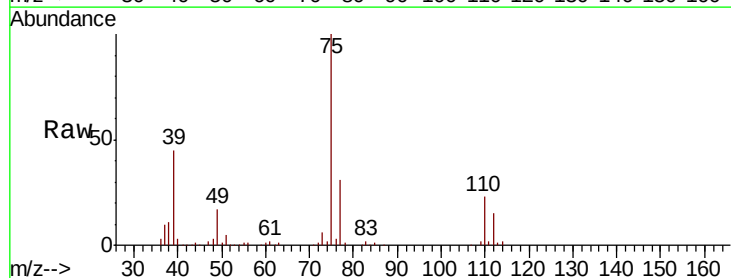
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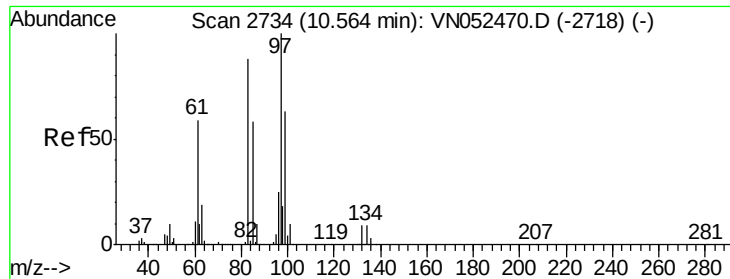
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.842 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion: 75 Resp: 331508
Ion Ratio Lower Upper
75 100
77 31.1 26.2 39.2
39 44.6 36.0 54.0





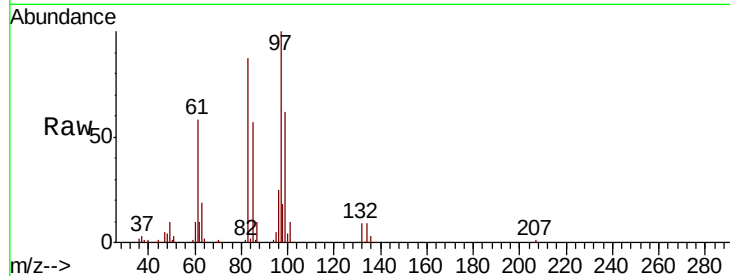
#55
 1,1,2-Trichloroethane
 Concen: 20.888 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

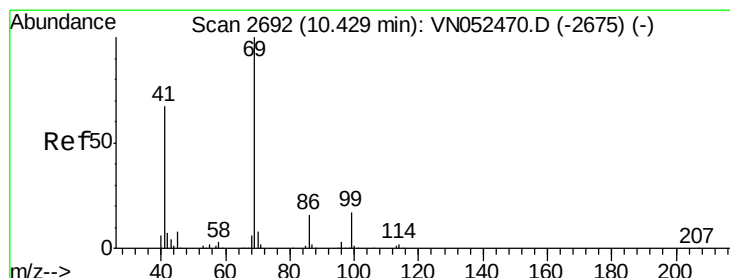
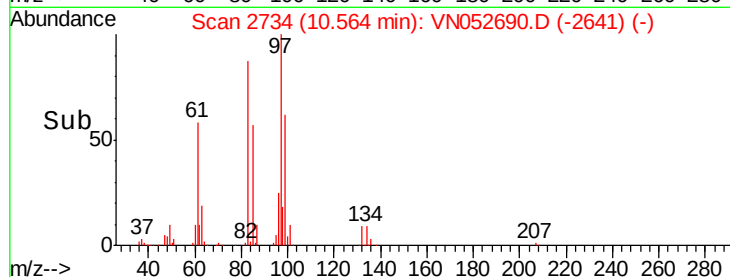
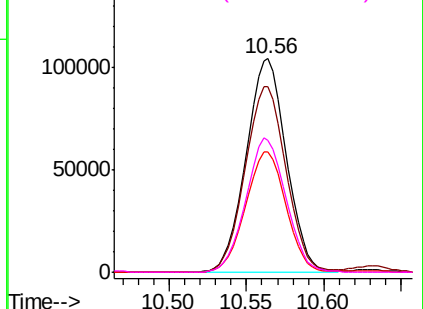
Tot Ion:	97	Resp:	188221
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.7	106.1
85	56.6	46.1	69.1
99	62.0	50.8	76.2

Manual Integrations
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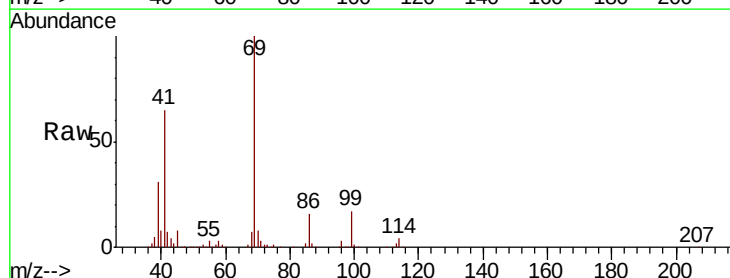


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

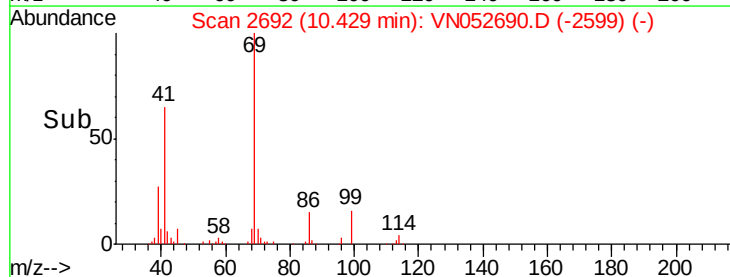
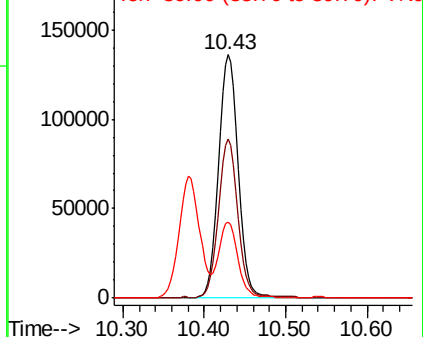


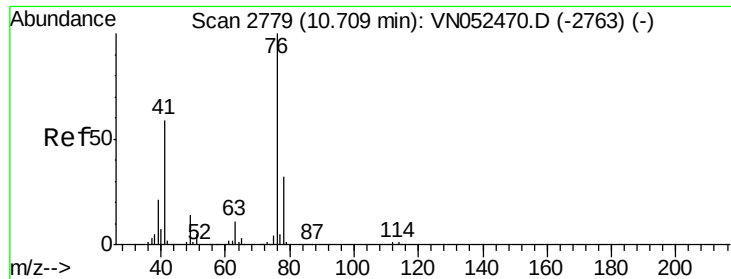
#56
 Ethyl methacrylate
 Concen: 20.415 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion:	69	Resp:	234371
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	30.8	25.9	38.9



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: 20.378 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 76 Resp: 324225

Ion Ratio Lower Upper

76 100

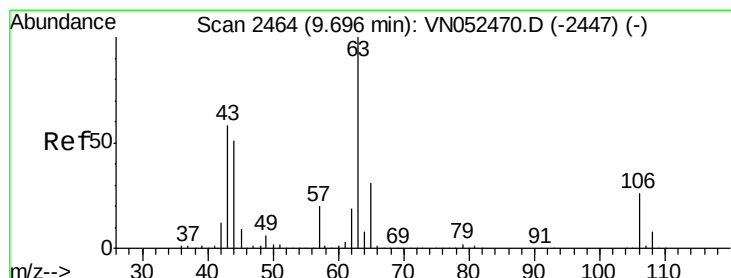
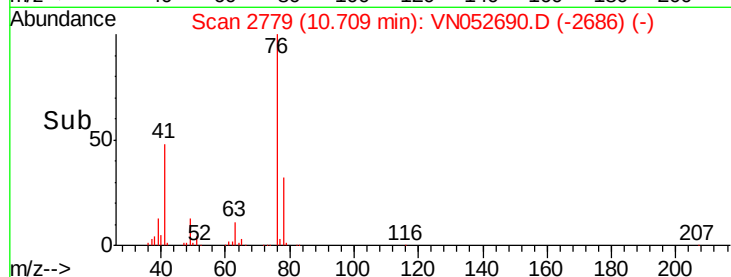
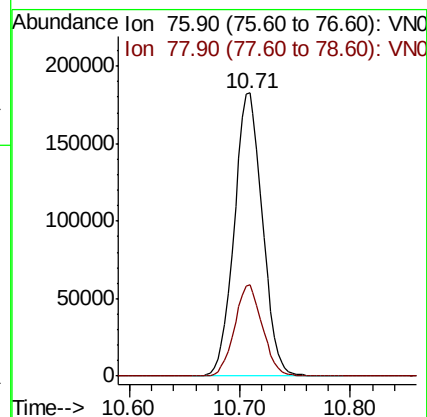
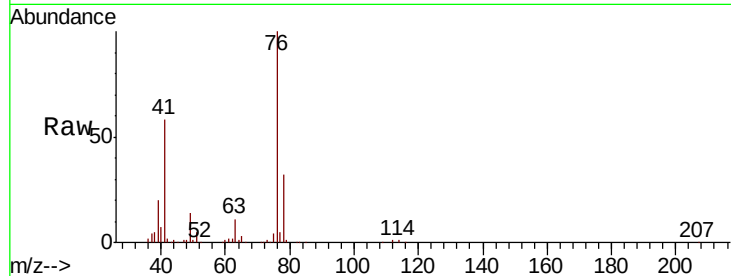
78 31.8 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 106.647 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052690.D

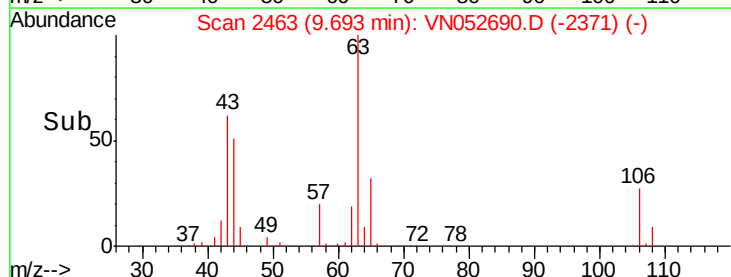
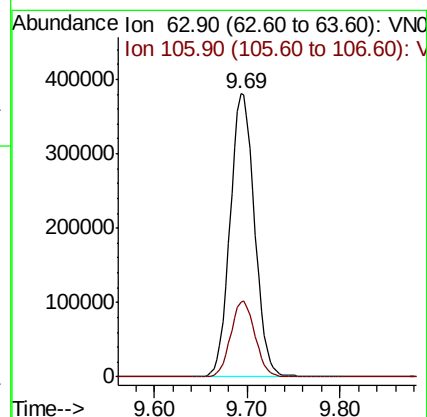
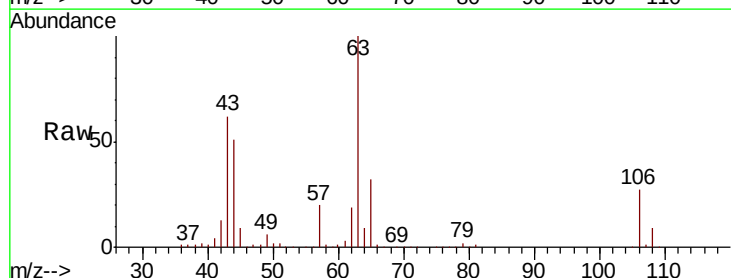
Acq: 6 Dec 2018 10:37

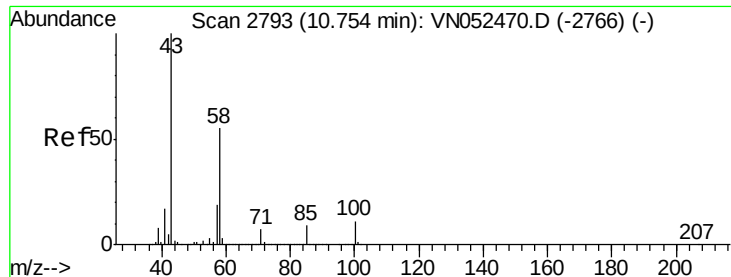
Tgt Ion: 63 Resp: 697311

Ion Ratio Lower Upper

63 100

106 26.7 20.6 30.8





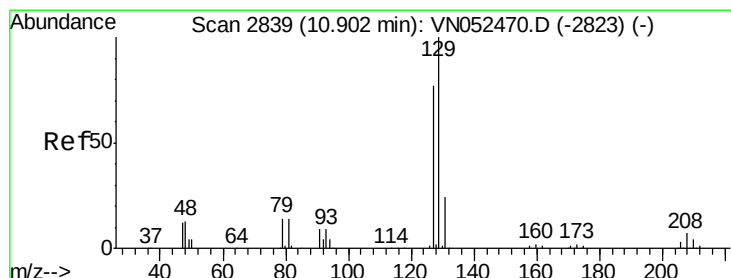
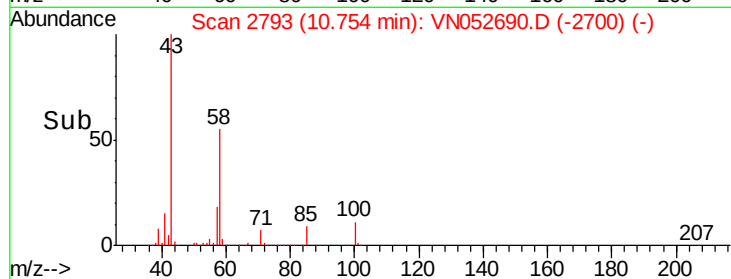
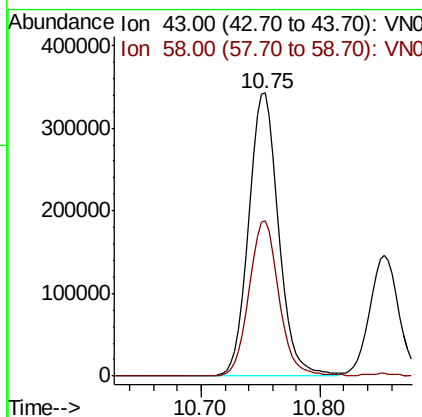
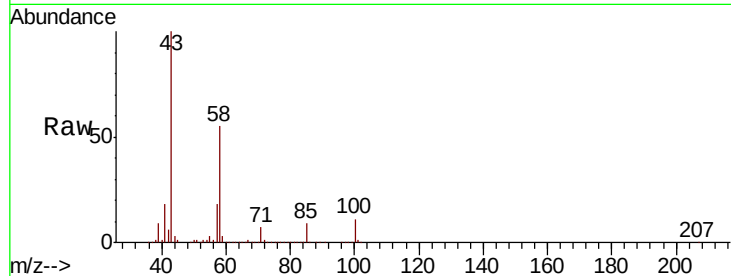
#59
2-Hexanone
Concen: 105.933 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	43	Resp	596043
Ion Ratio	43	100	
Lower	58	54.9	27.4
Upper			82.0

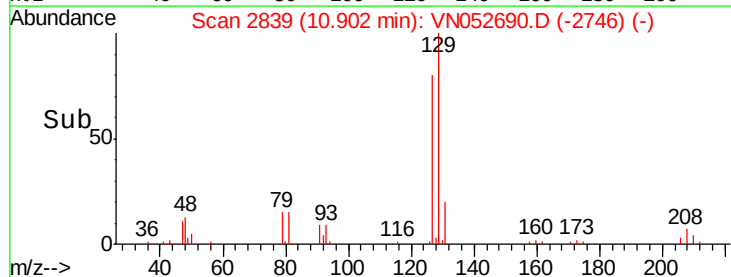
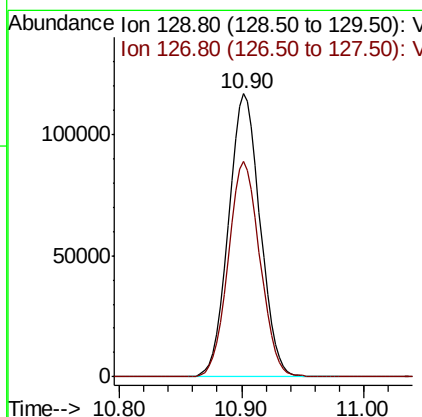
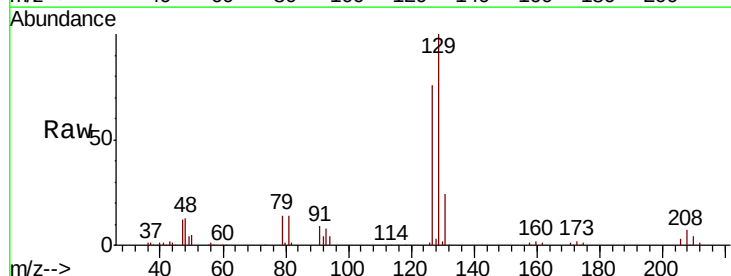
Manual Integrations
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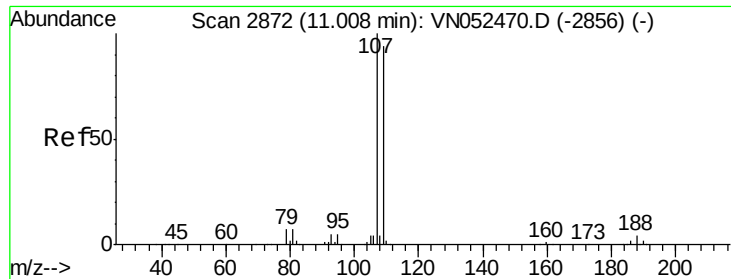
MMDadoda
12/7/2018 1:12:44 PM



#60
Dibromochloromethane
Concen: 21.459 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	129	Resp	210016
Ion Ratio	129	100	
Lower	127	76.6	38.9
Upper			116.6





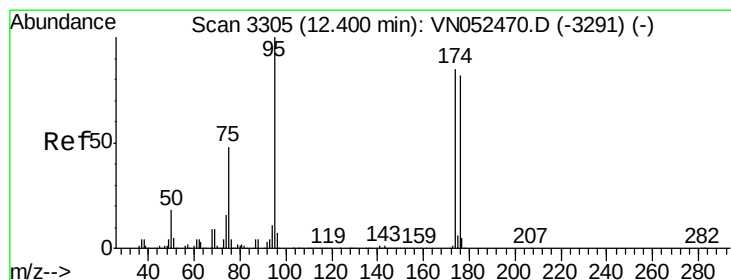
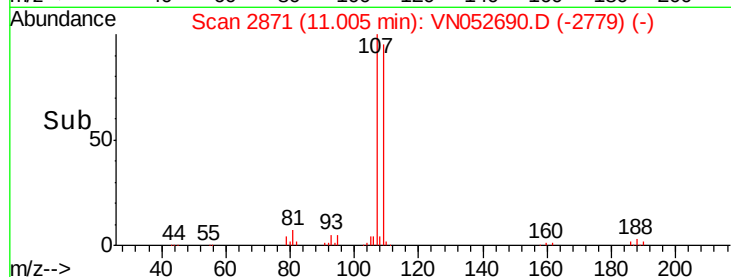
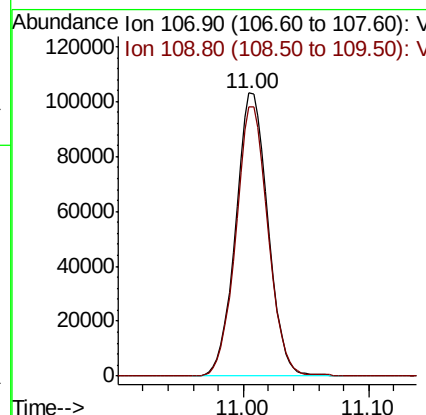
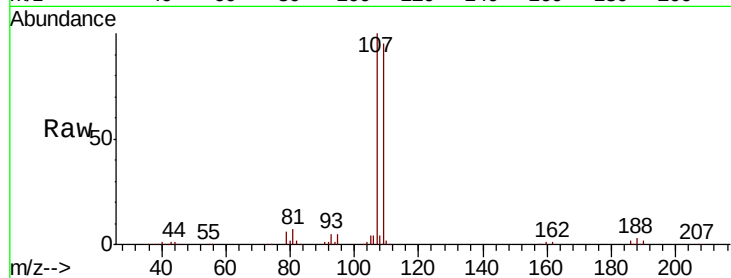
#61
 1,2-Dibromoethane
 Concen: 20.552 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

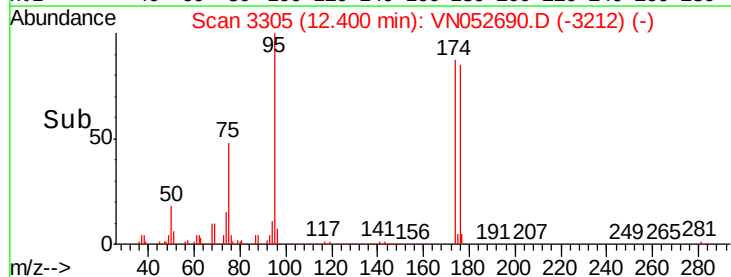
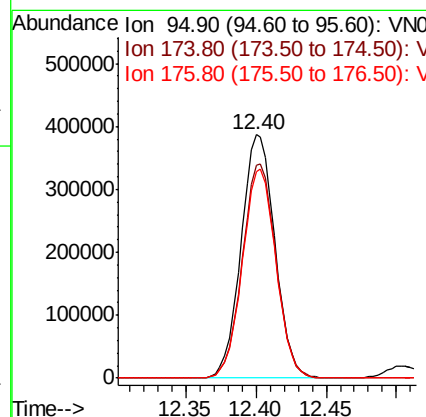
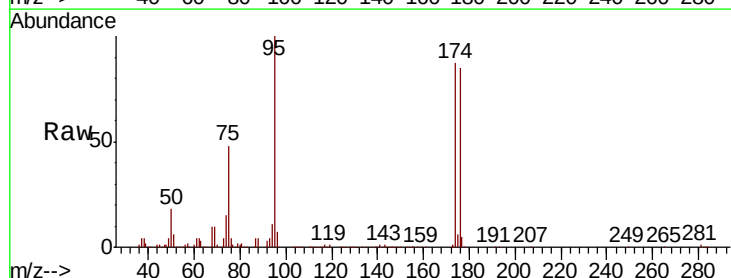
Manual Integrations
 APPROVED

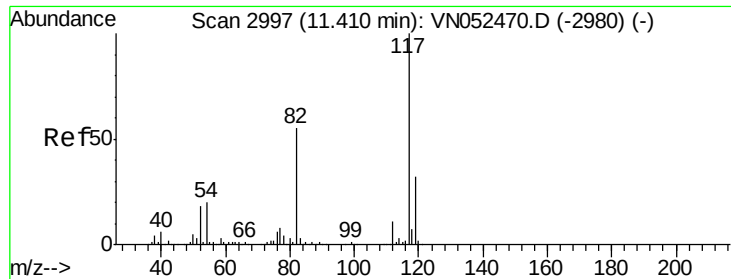
MMDadoda
 12/7/2018 1:12:44 PM



#62
 4-Bromofluorobenzene
 Concen: 20.552 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	173.0
176	85.5	0.0	166.2





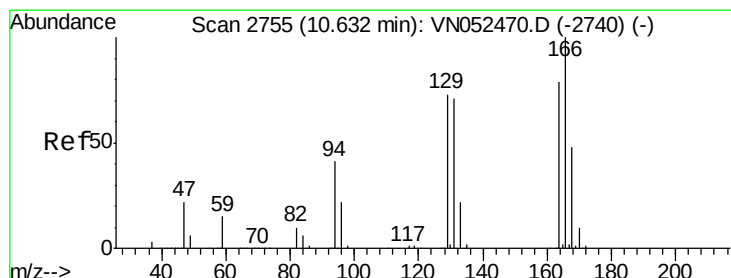
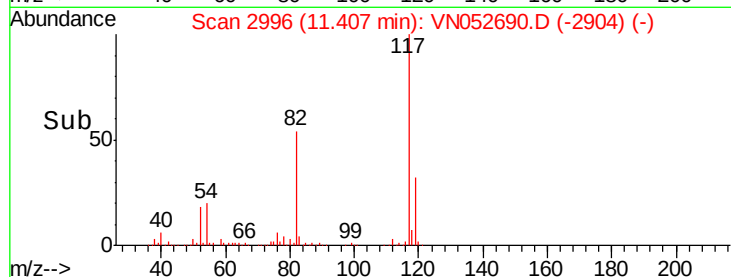
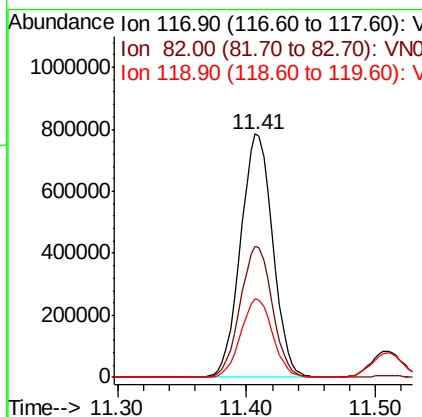
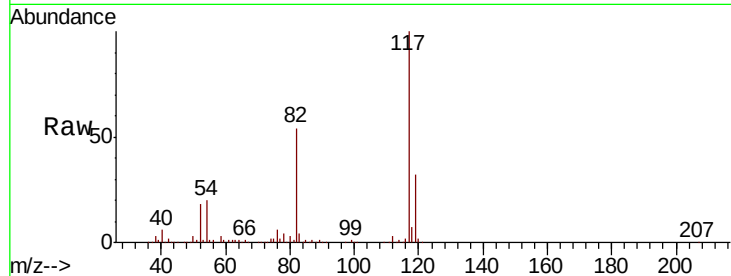
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.6	65.4
119	32.2	25.4	38.2

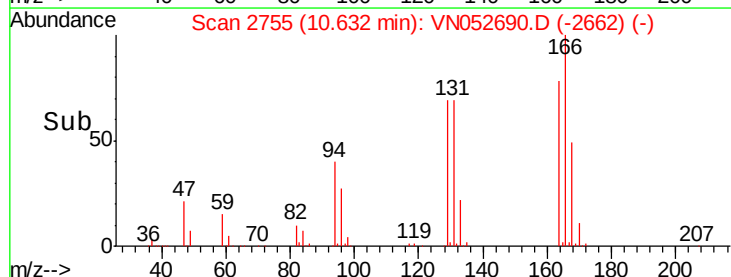
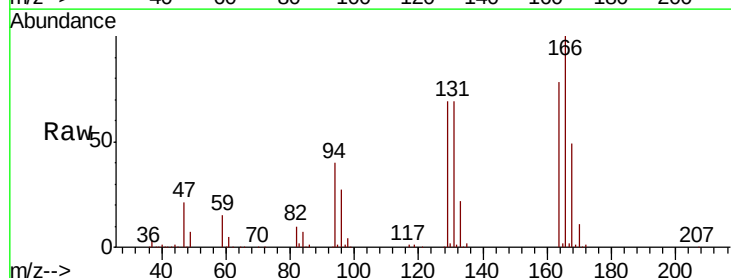
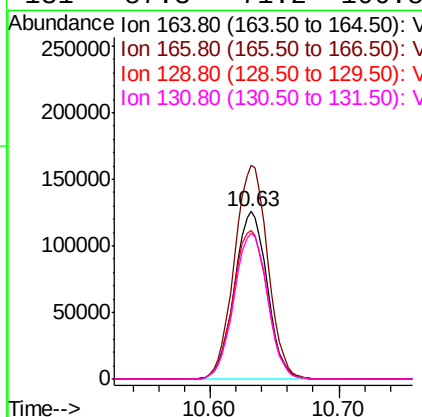
Manual Integrations
APPROVED

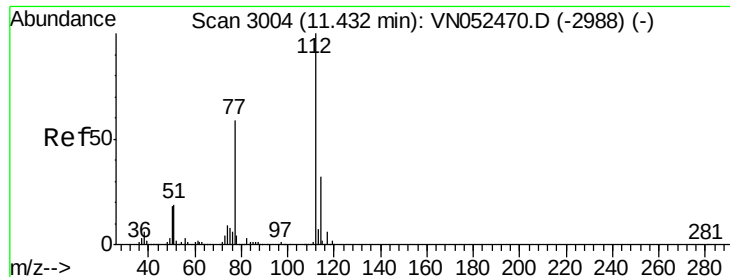
MMDadoda
12/7/2018 1:12:44 PM



#64
Tetrachloroethene
Concen: 21.055 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.0	151.4
129	88.5	73.8	110.6
131	87.3	71.2	106.8





#65

Chlorobenzene

Concen: 20.792 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion:112 Resp: 585536

Ion Ratio Lower Upper

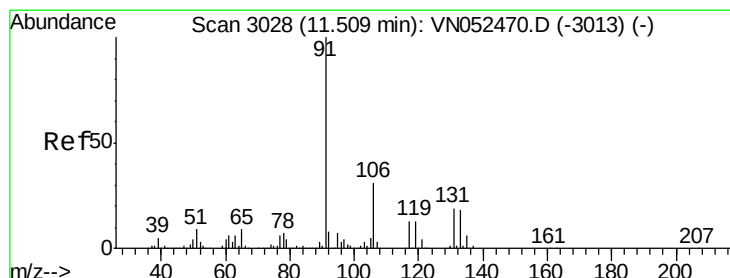
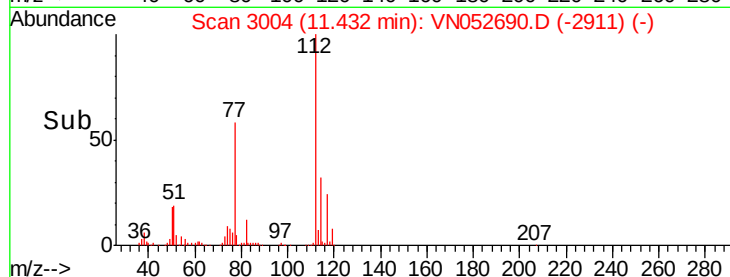
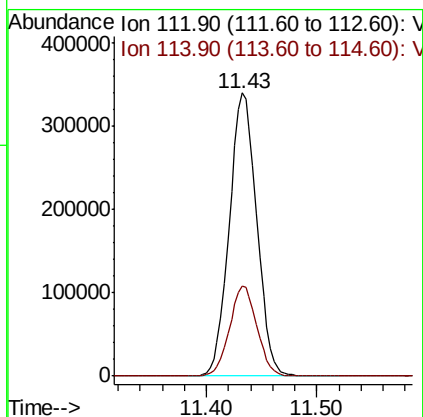
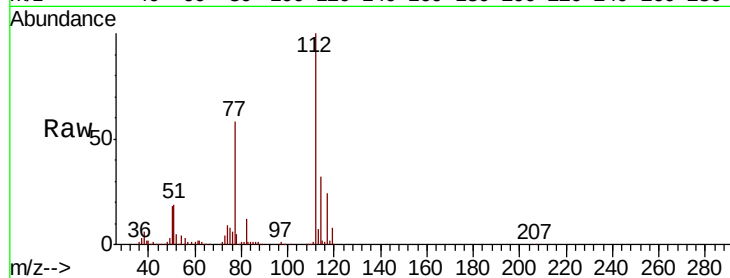
112 100

114 31.8 25.8 38.6

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 21.077 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

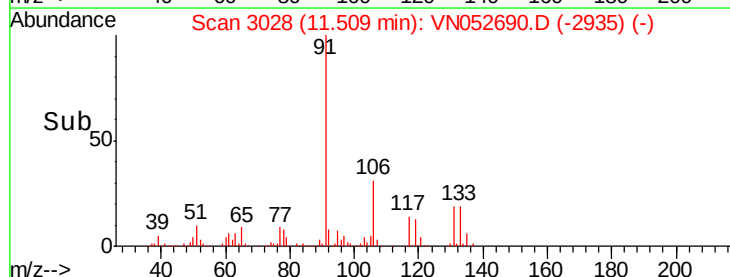
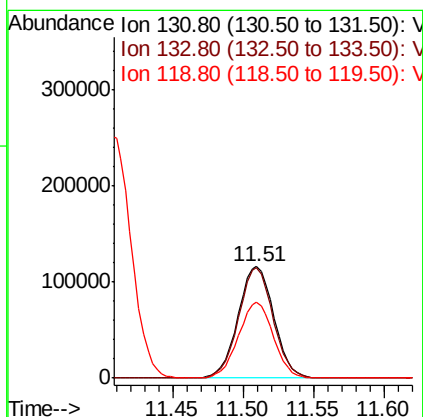
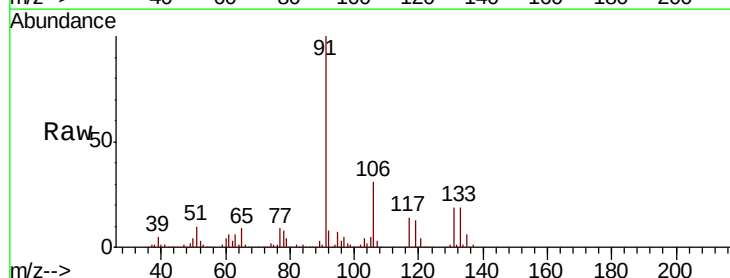
Tgt Ion:131 Resp: 206389

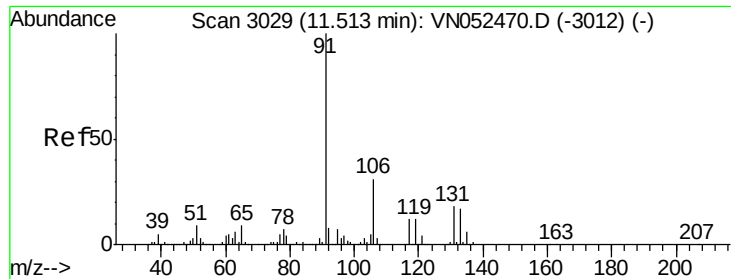
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

119 66.5 33.2 99.6





#67

Ethyl Benzene

Concen: 20.316 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion: 91 Resp: 1001901

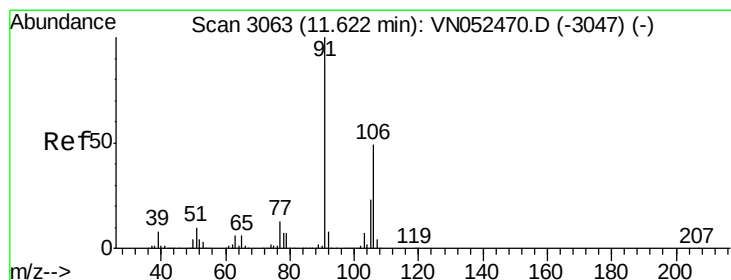
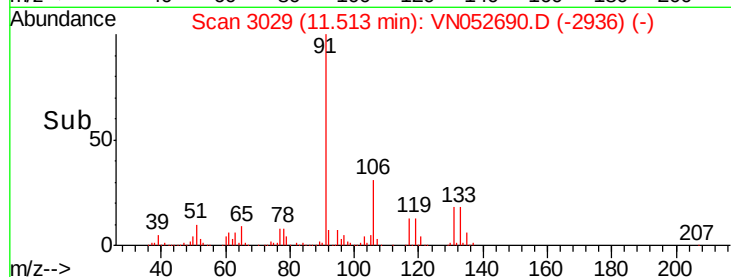
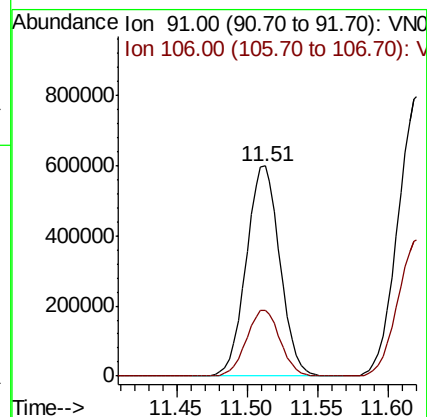
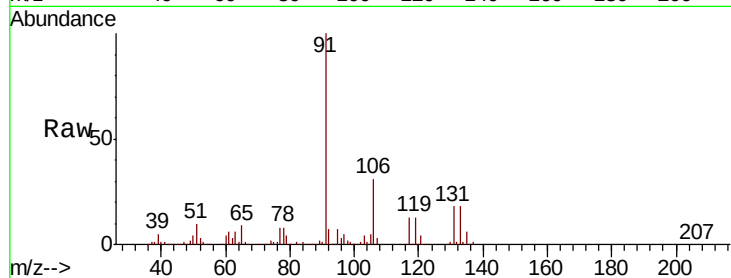
Ion Ratio Lower Upper

91 100

106 31.5 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 41.303 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052690.D

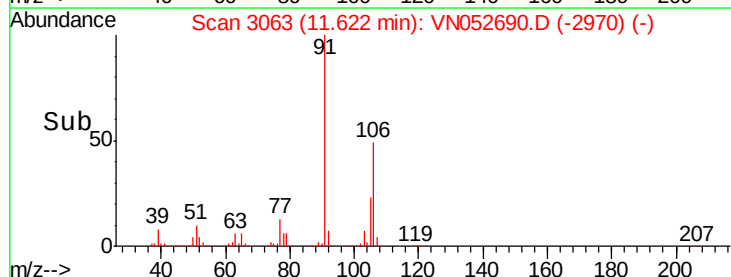
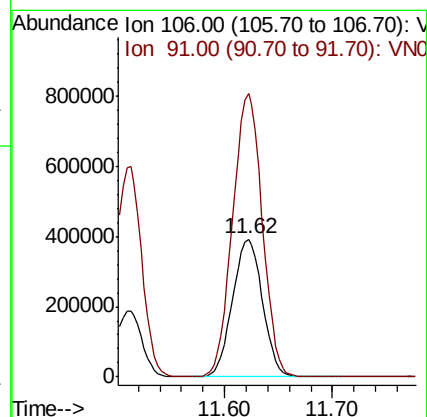
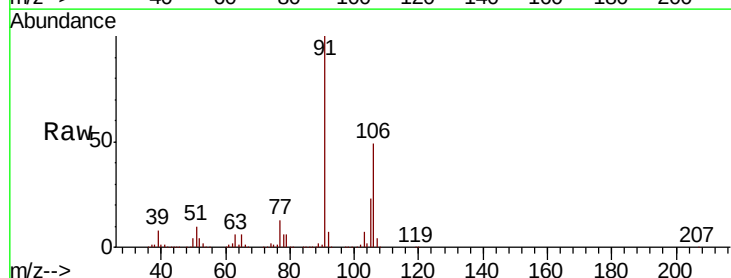
Acq: 6 Dec 2018 10:37

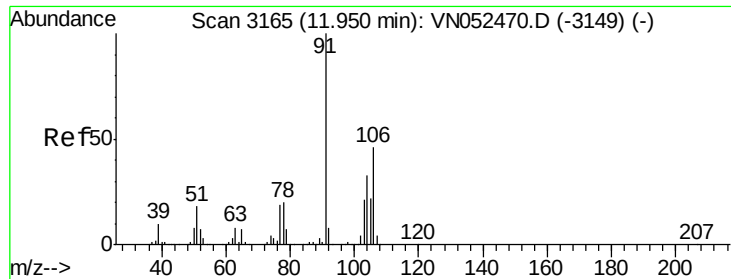
Tgt Ion: 106 Resp: 758286

Ion Ratio Lower Upper

106 100

91 203.9 163.2 244.8





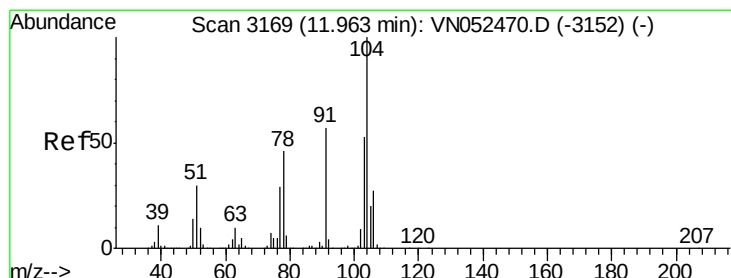
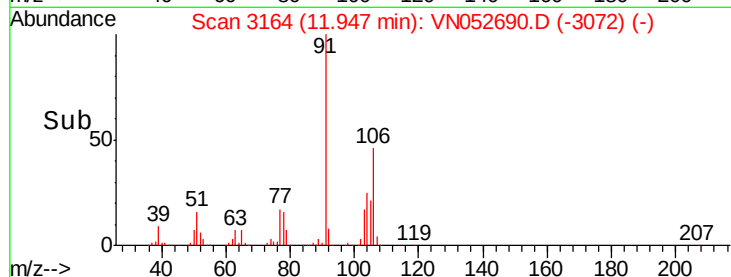
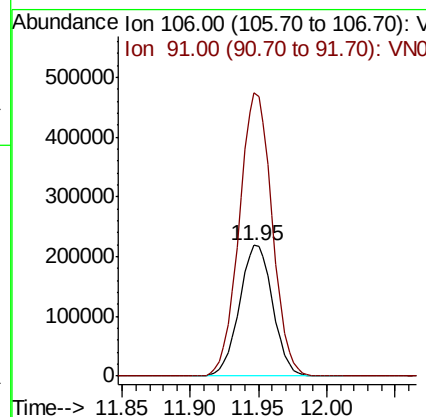
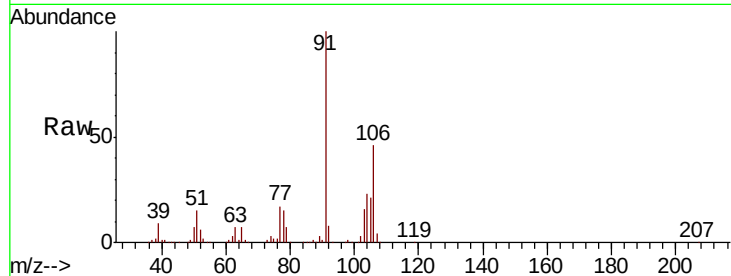
#69
o-Xylene
Concen: 20.773 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	107.7	323.1

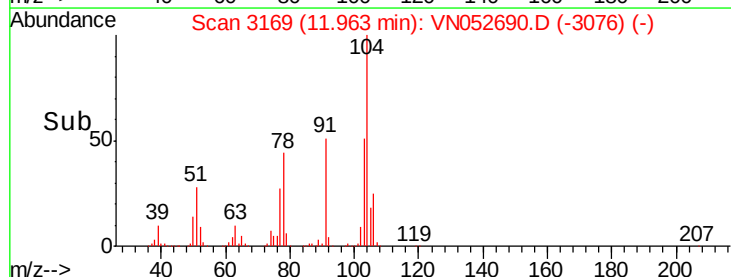
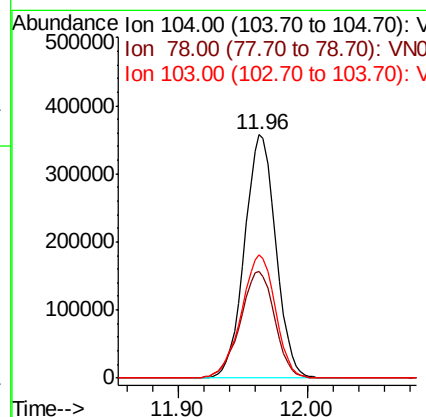
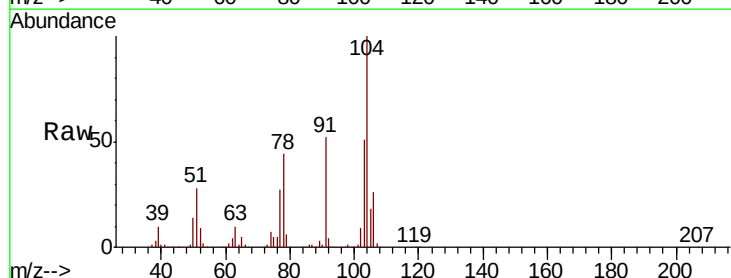
Manual Integrations
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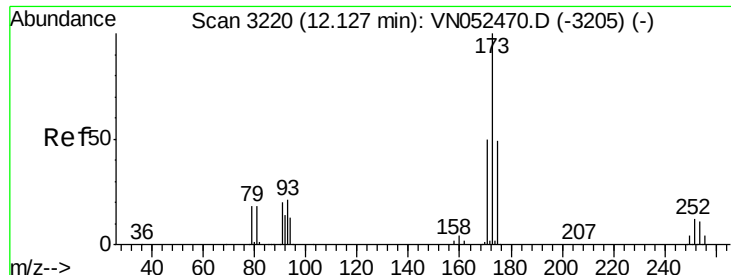
MMDadoda
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#70
Styrene
Concen: 21.248 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.4	59.2
103	55.1	44.9	67.3





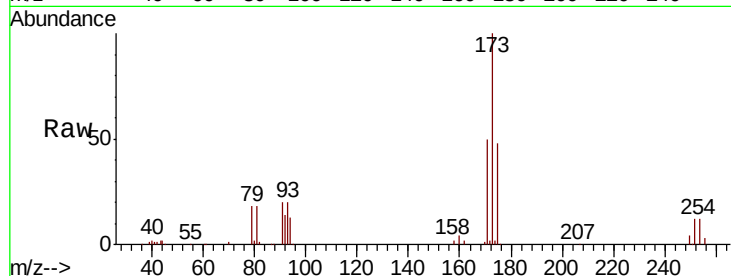
#71
Bromoform
Concen: 21.150 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampled :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.0	0.1	0.1#

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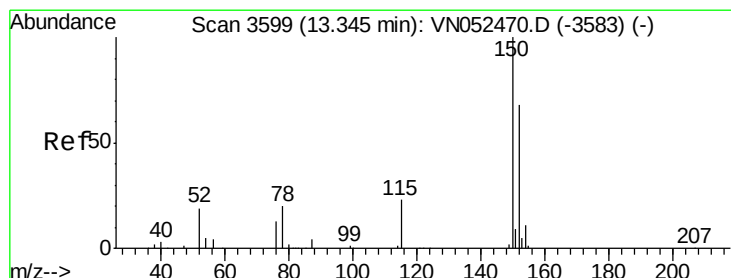
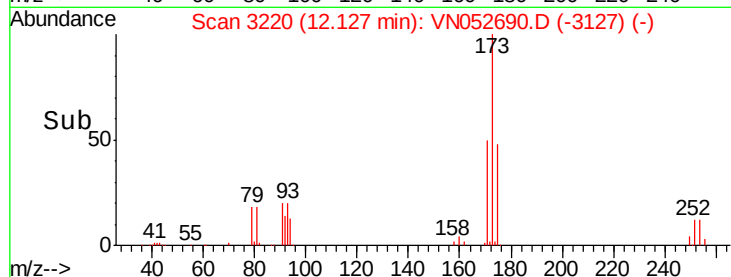
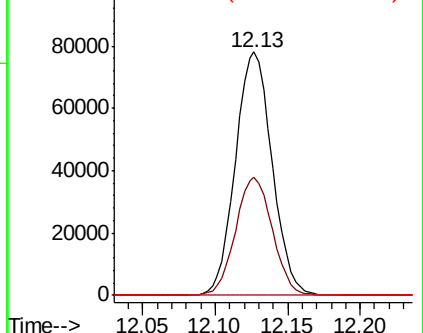


Abundance

Ion 172.70 (172.40 to 173.40): V

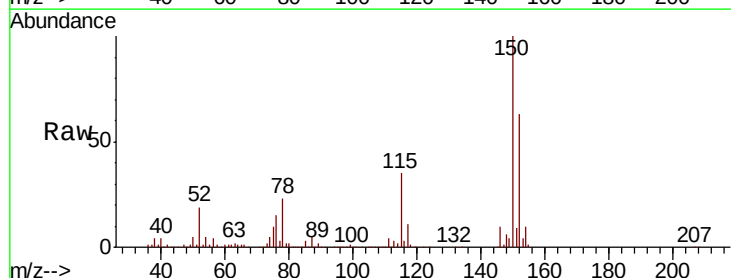
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.4	85.2
150	165.2	0.0	346.0

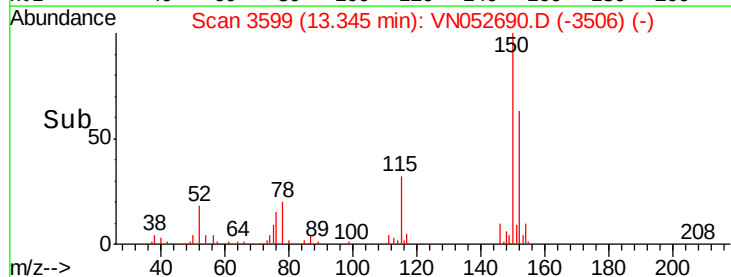
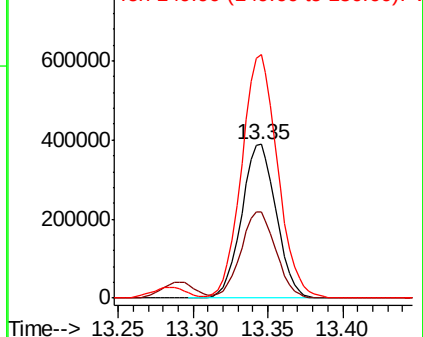


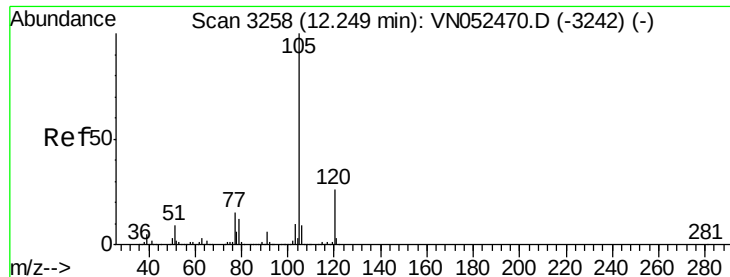
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.411 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

ClientSampleId :

VN1206WBS01

Tot Ion:105 Resp: 1000081

Ion Ratio Lower Upper

105 100

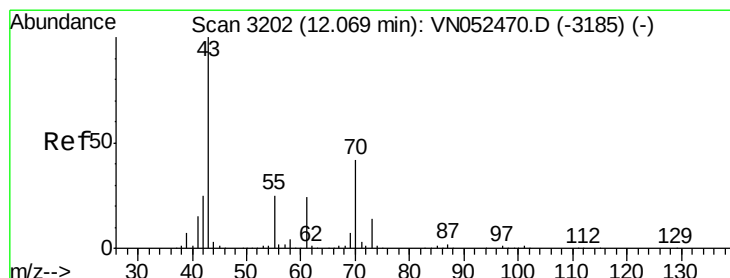
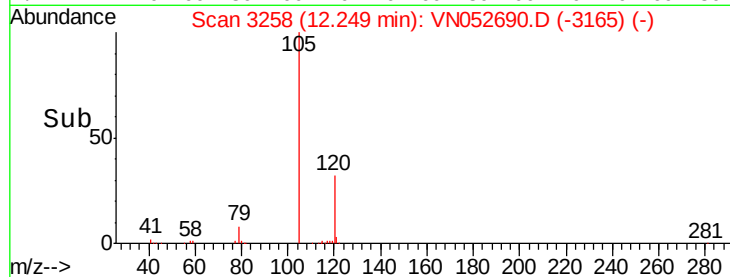
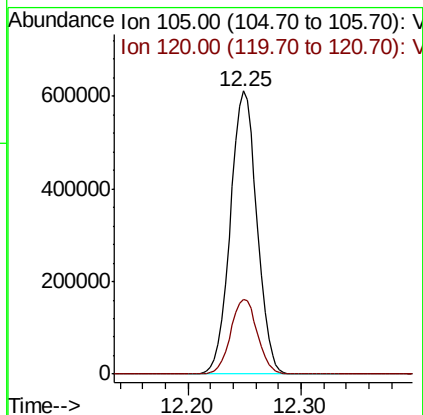
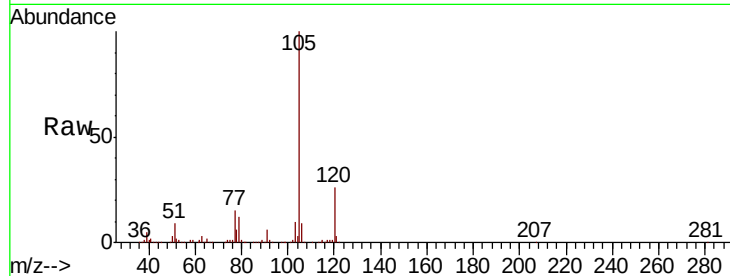
120 26.5 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.582 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion: 43 Resp: 242393

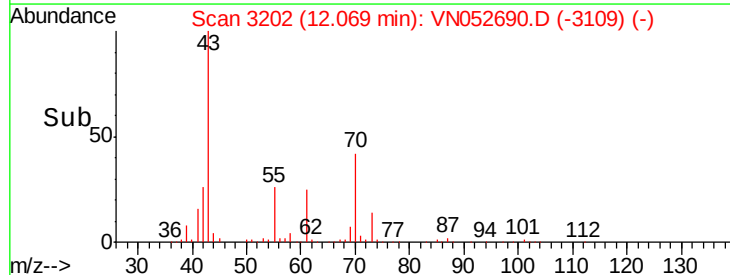
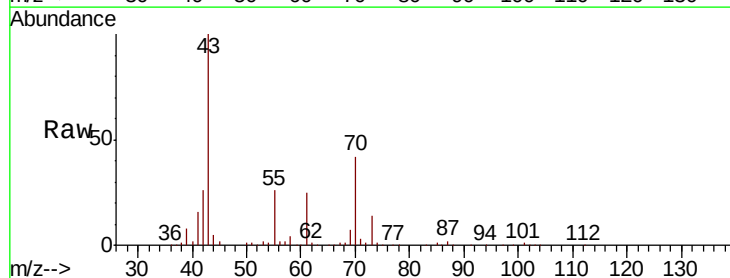
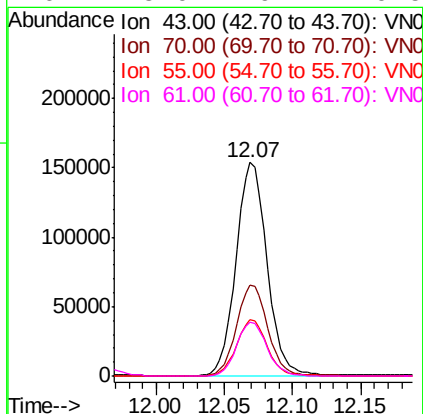
Ion Ratio Lower Upper

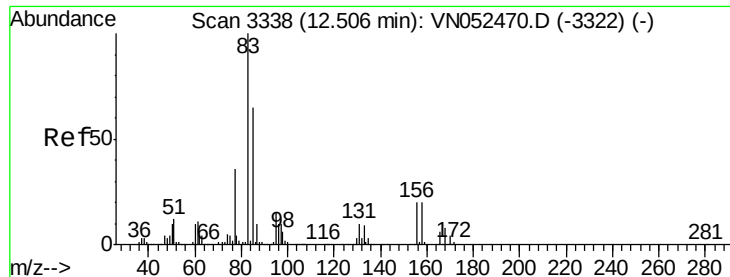
43 100

70 43.0 33.8 50.8

55 26.2 20.0 30.0

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.669 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

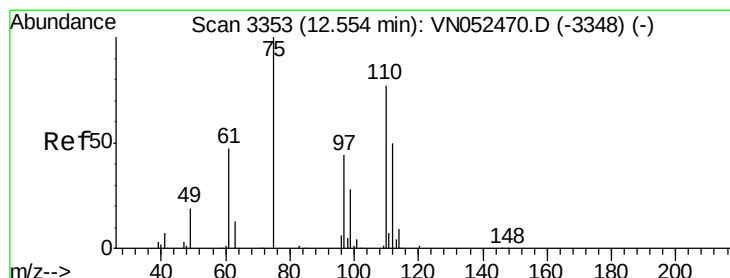
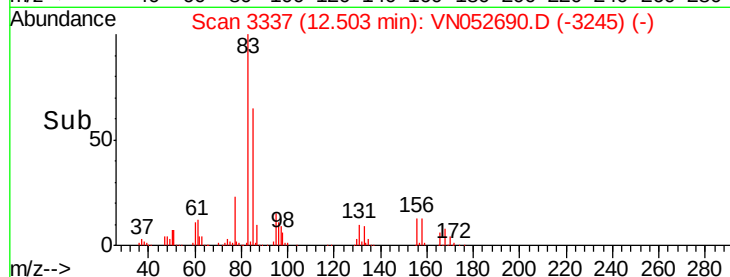
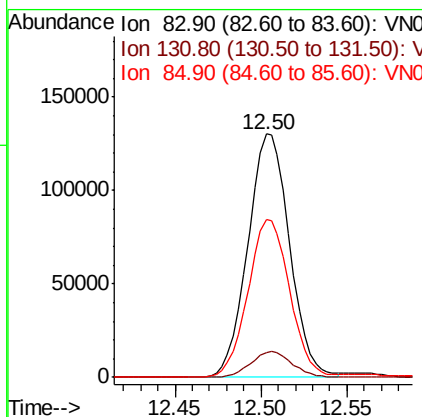
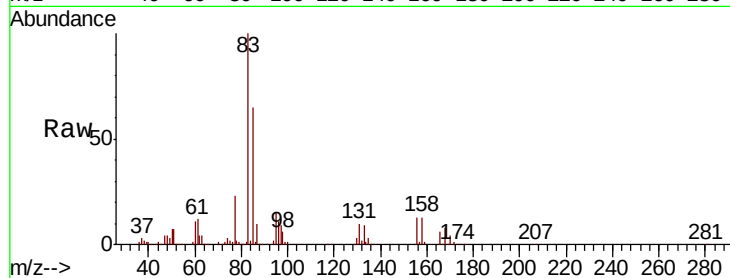
ClientSampleId :

VN1206WBS01

Tot Ion:	83	Resp:	219229
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.399 ug/l m

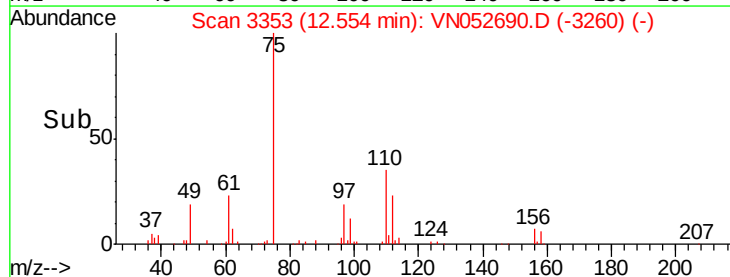
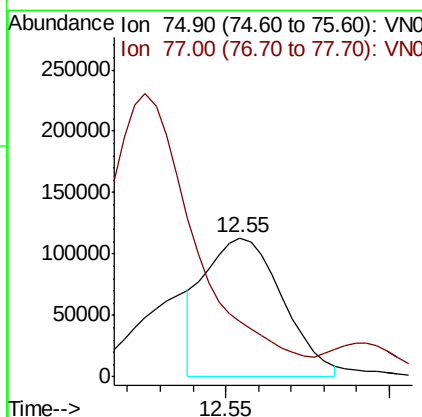
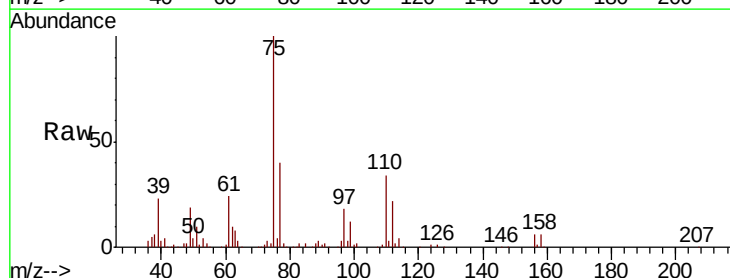
RT: 12.55 min Scan# 3353

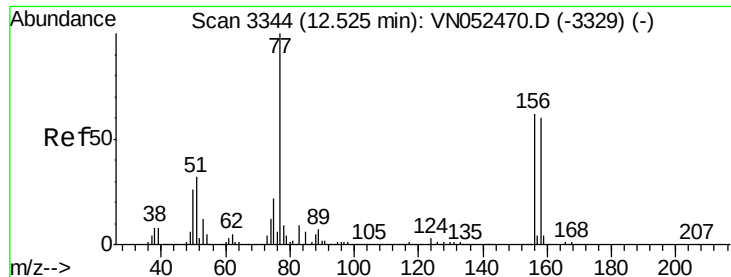
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion:	75	Resp:	186820
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

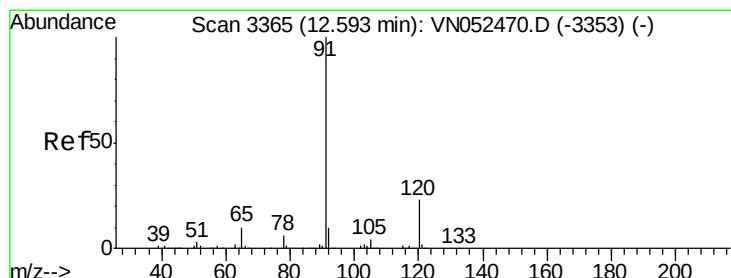
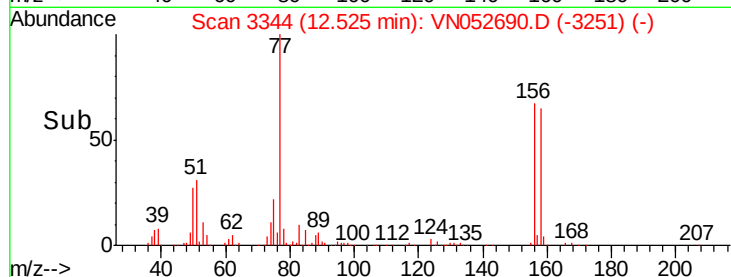
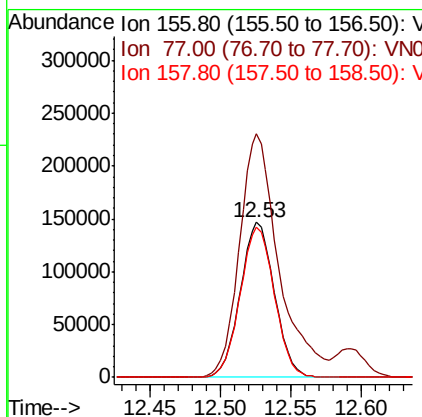
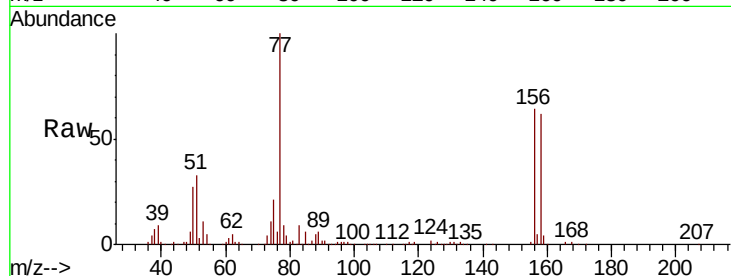
ClientSampled :

VN1206WBS01

Tot Ion:	156	Resp:	248755
Ion Ratio	Lower	Upper	
156	100		
77	181.4	93.5	280.4
158	97.4	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.577 ug/l

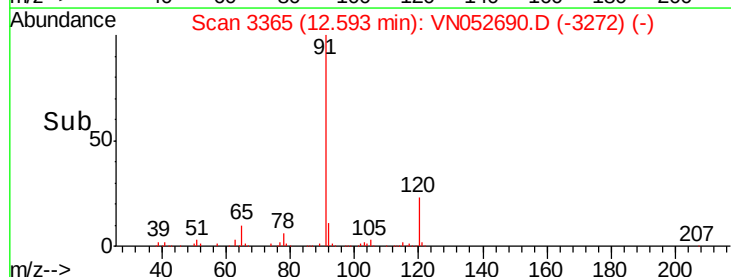
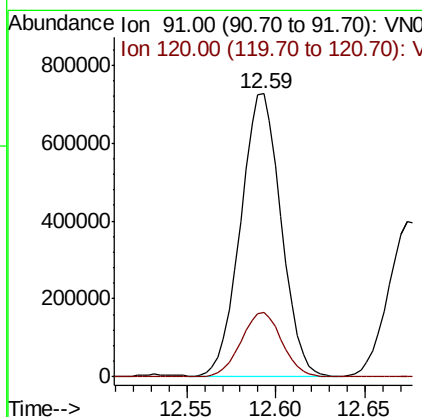
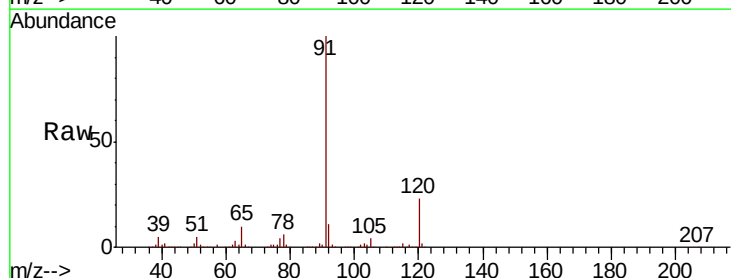
RT: 12.59 min Scan# 3365

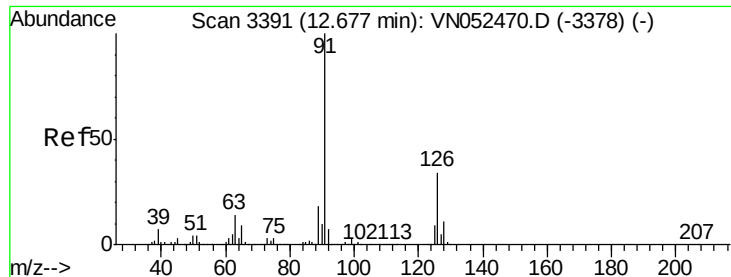
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion:	91	Resp:	1145385
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





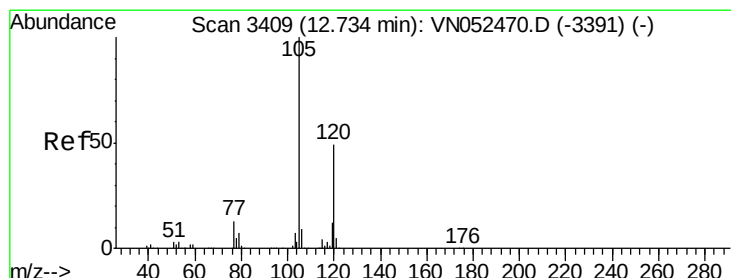
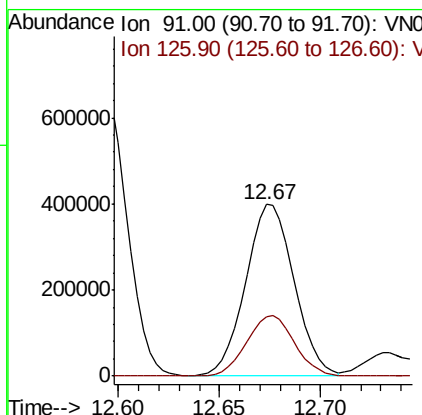
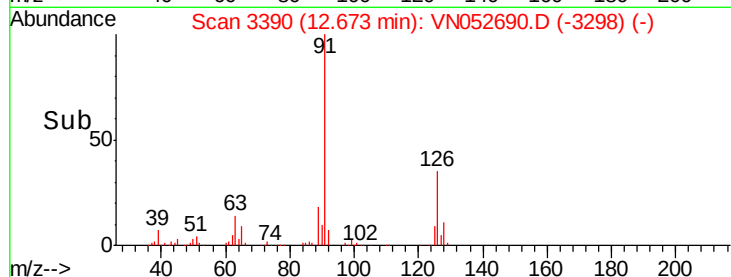
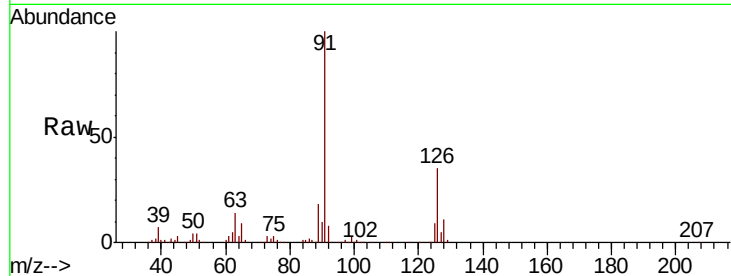
#79
 2-Chlorotoluene
 Concen: 20.182 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion: 91 Resp: 668988
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.2 51.6

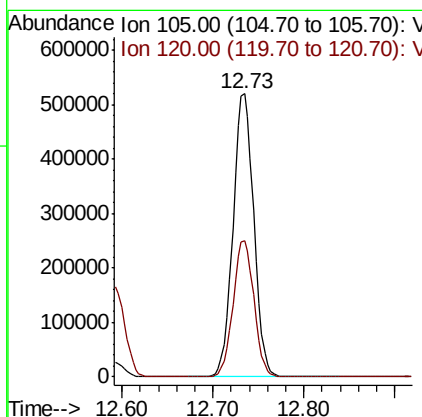
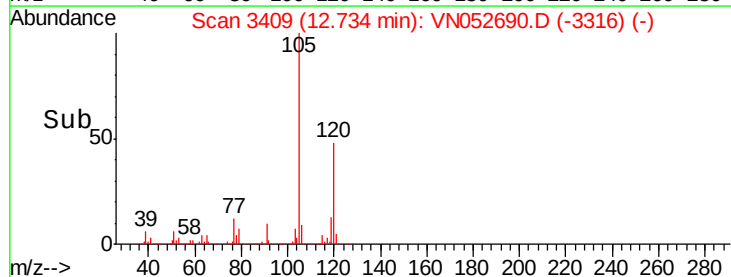
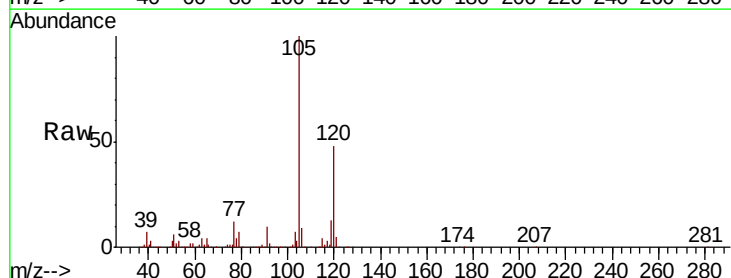
Manual Integrations
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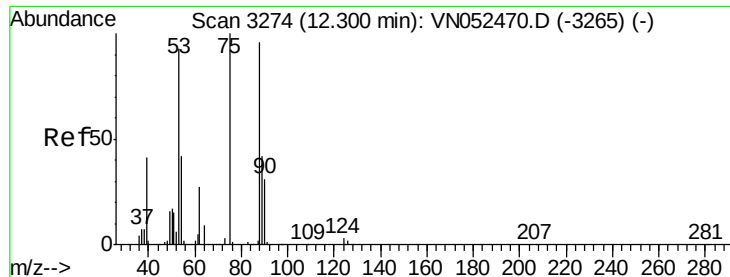
MMDadoda
 12/7/2018 1:12:44 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.993 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion: 105 Resp: 820367
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.3 73.0





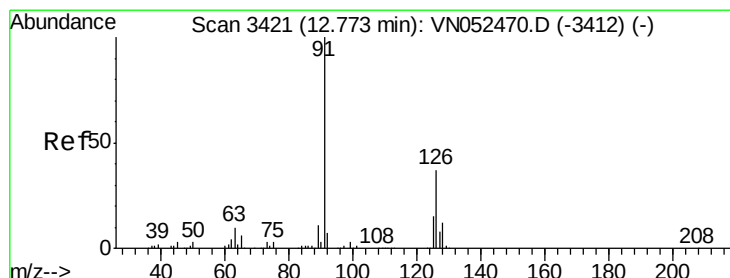
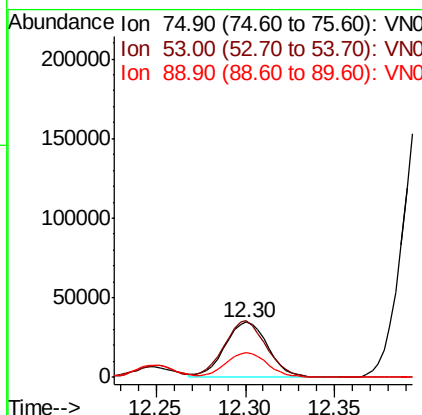
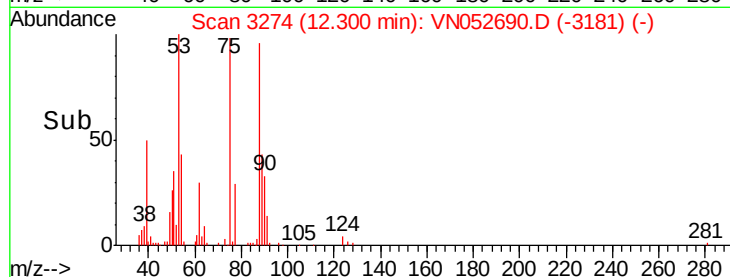
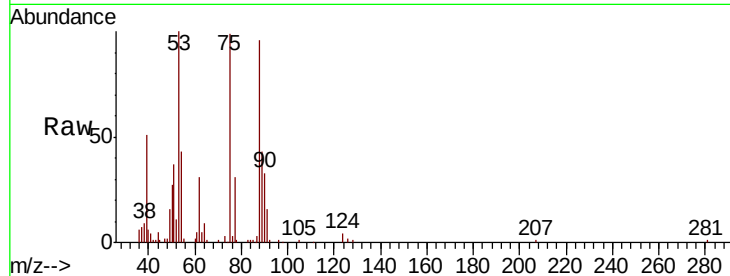
#81
trans-1,4-Dichloro-2-butene
Concen: 20.492 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.6	77.4	116.0
89	42.5	35.4	53.2

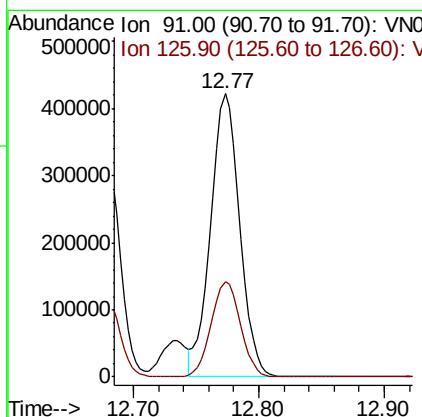
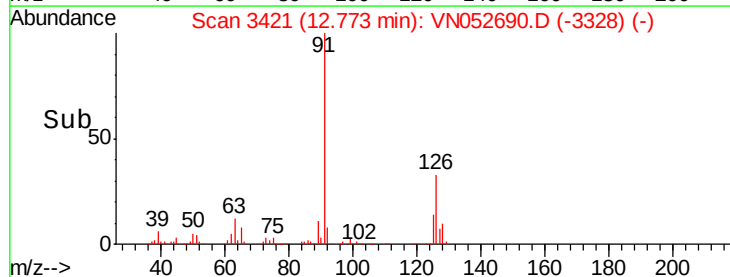
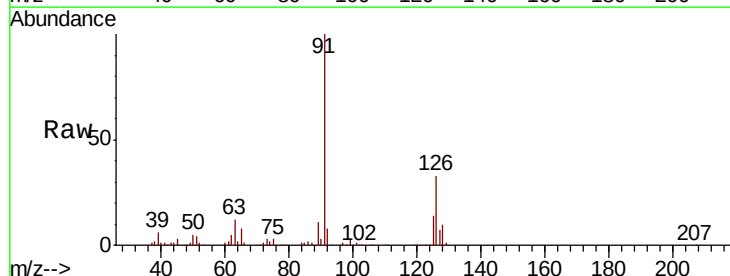
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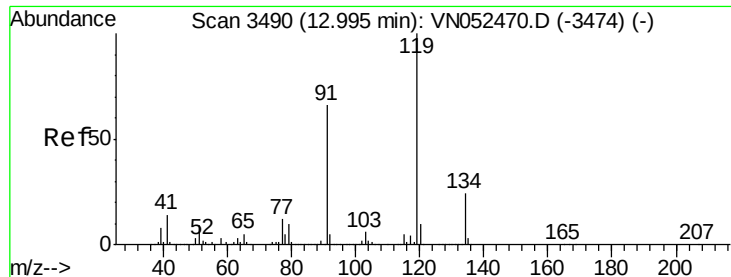
MMDadoda
12/7/2018 1:12:44 PM



#82
4-Chlorotoluene
Concen: 20.374 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.9	50.6





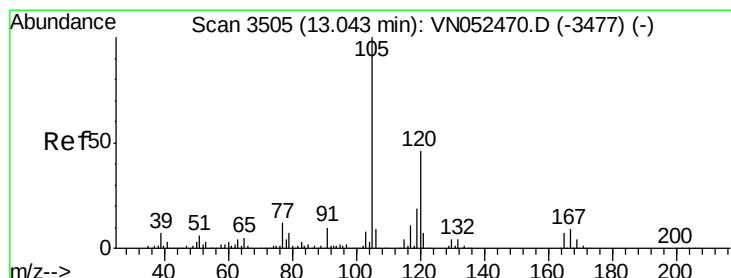
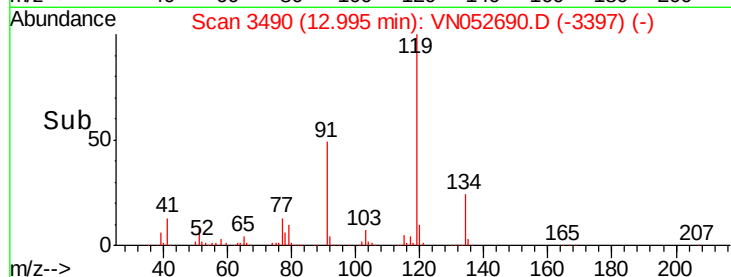
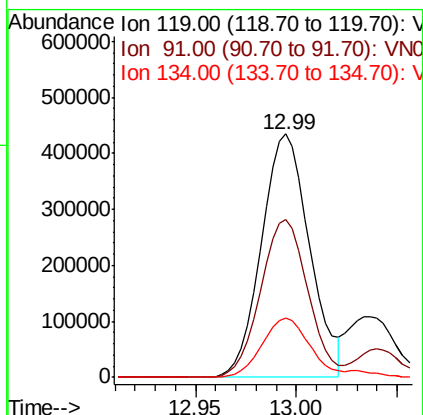
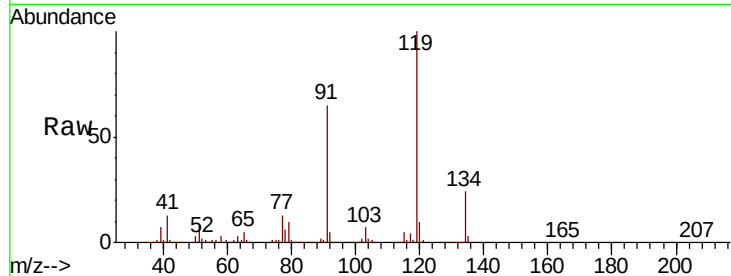
#83
tert-Butylbenzene
Concen: 20.713 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.3	96.9
134	25.9	13.0	38.9

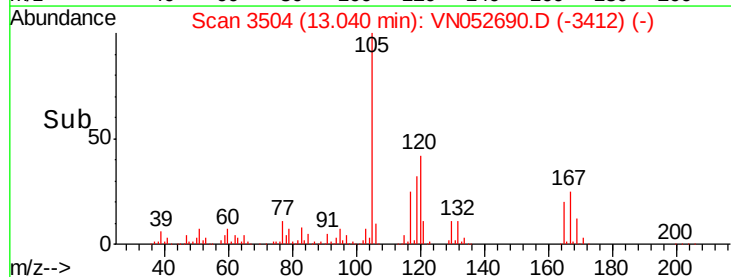
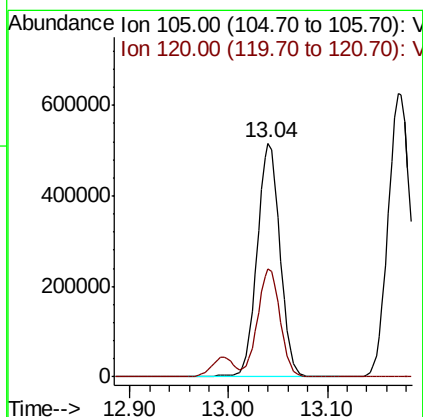
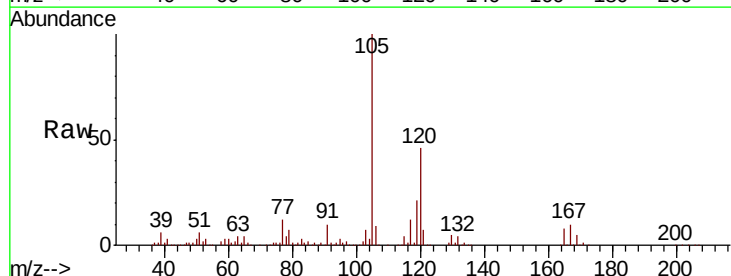
Manual Integrations
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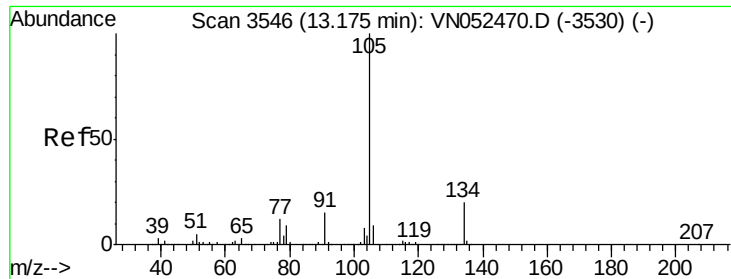
MMDadoda
12/7/2018 1:12:44 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.932 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.4





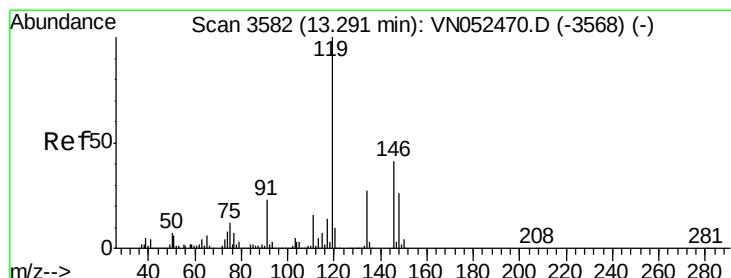
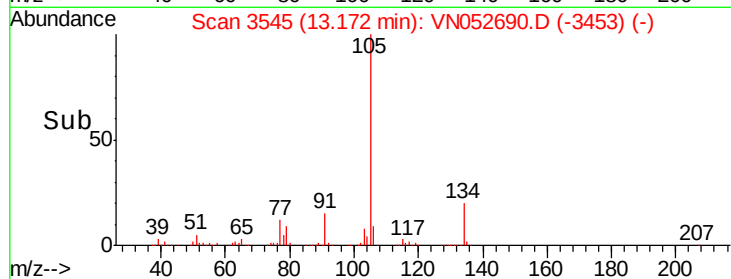
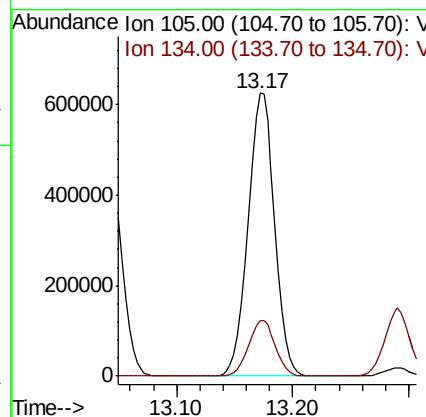
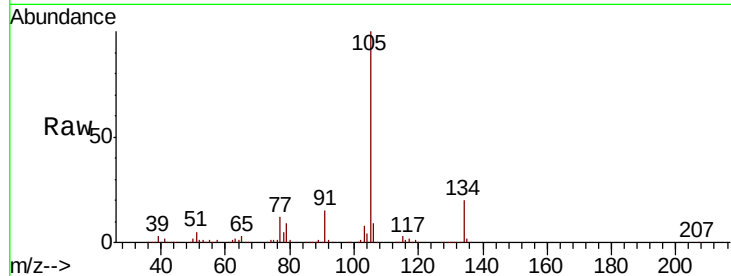
#85
 sec-Butylbenzene
 Concen: 20.894 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	991395		
134	20.0	9.9	29.7	

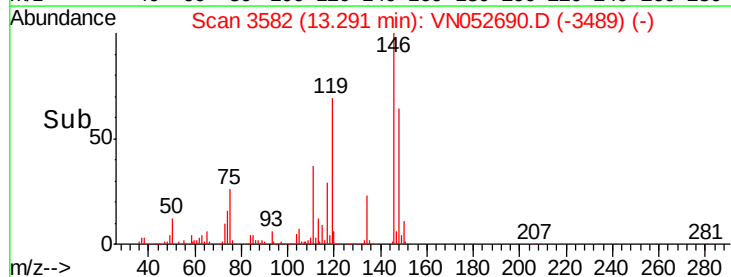
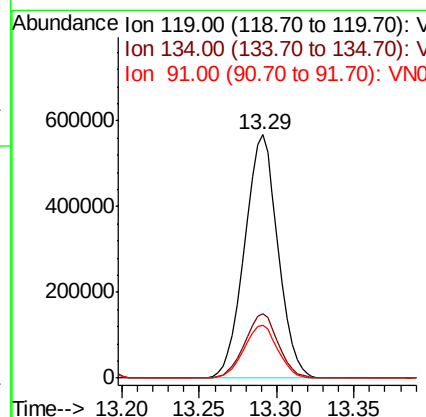
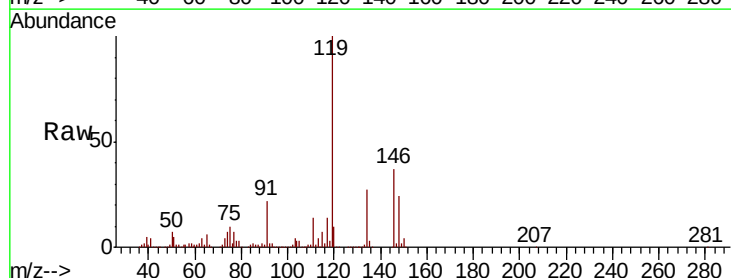
Manual Integrations
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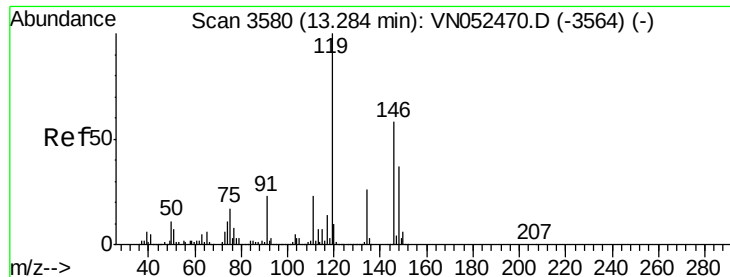
MMDadoda
 12/7/2018 1:12:44 PM



#86
 p-Isopropyltoluene
 Concen: 20.967 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	847363		
134	26.7	13.4	40.2	
91	22.0	11.4	34.2	





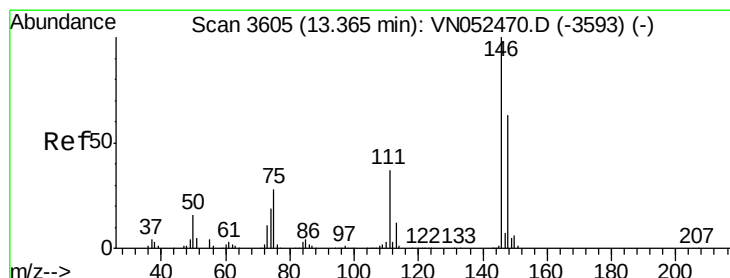
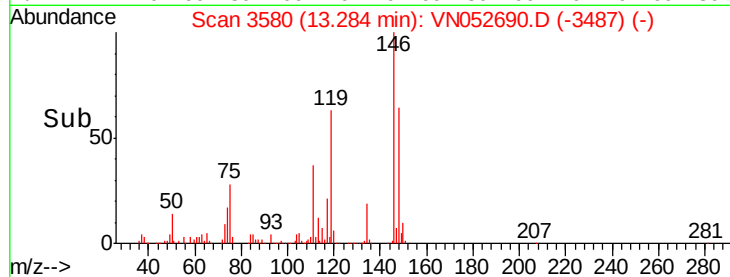
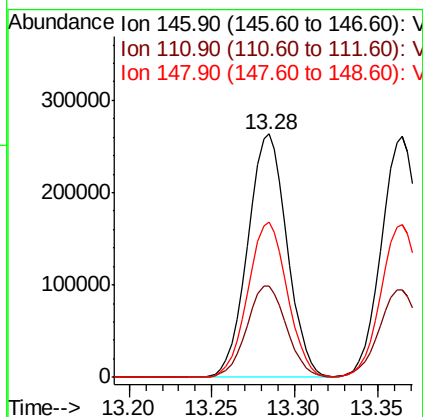
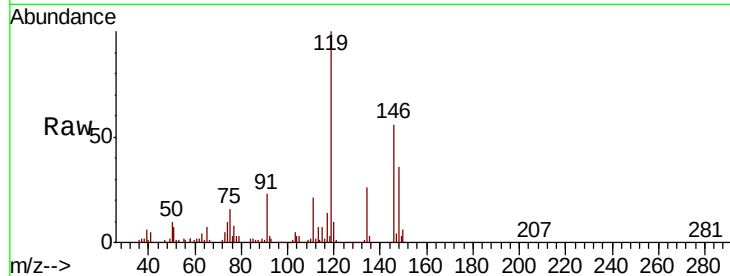
#87
 1,3-Dichlorobenzene
 Concen: 20.554 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.4	58.4
148	64.0	31.8	95.4

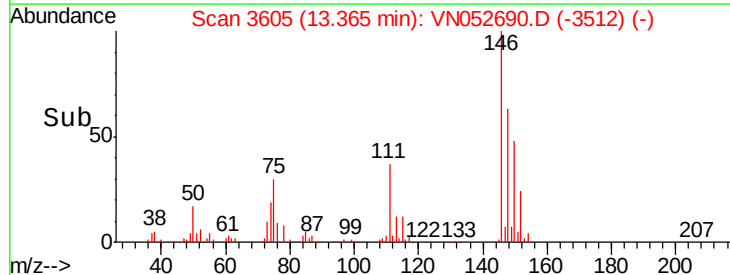
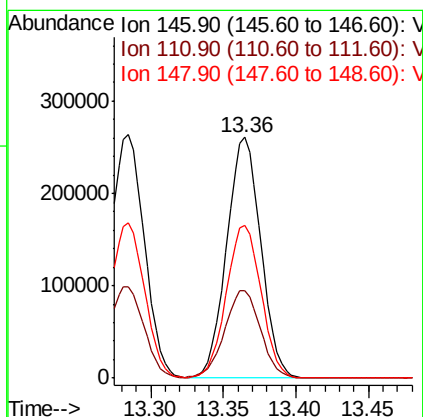
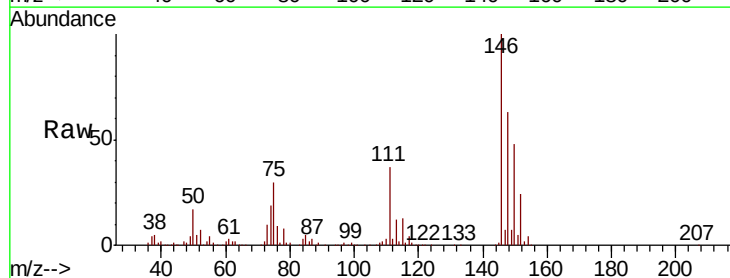
Manual Integrations
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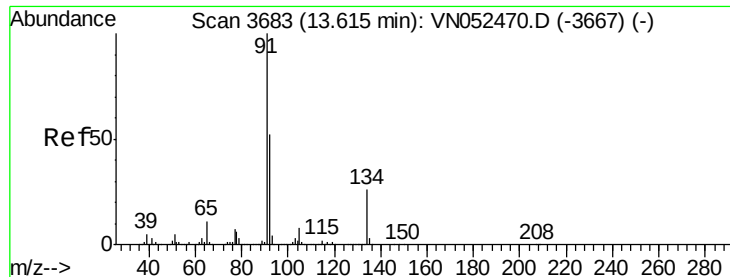
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 12/7/2018 1:12:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.397 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	56.0
148	64.5	31.9	95.9





#89

n-Butylbenzene

Concen: 20.738 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Instrument :

MSVOA_N

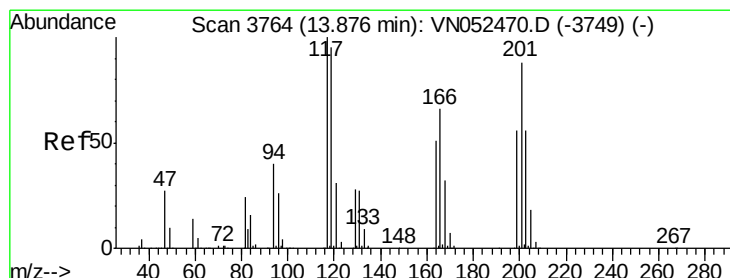
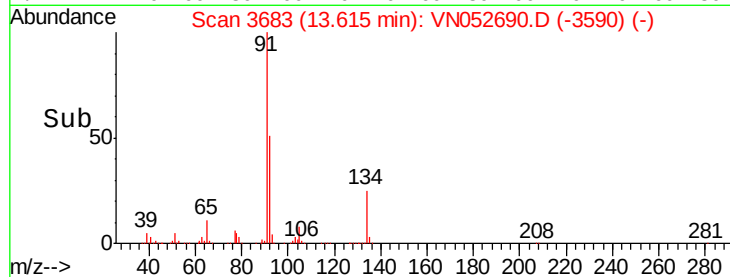
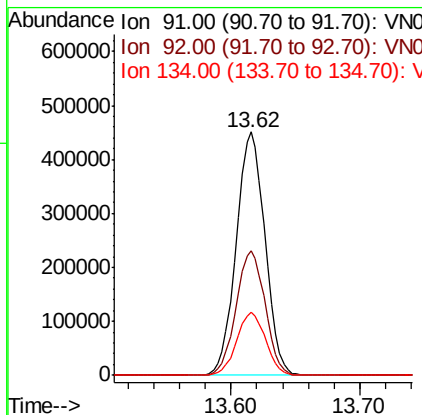
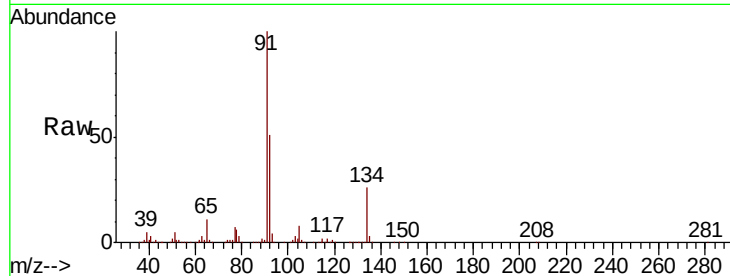
ClientSampleId :

VN1206WBS01

Tot Ion:	91	Resp:	697030
Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	25.9	13.0	38.9

Manual Integrations
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12/7/2018 1:12:44 PM



#90

Hexachloroethane

Concen: 20.605 ug/l

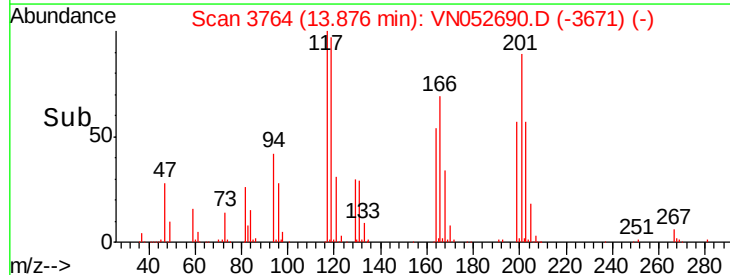
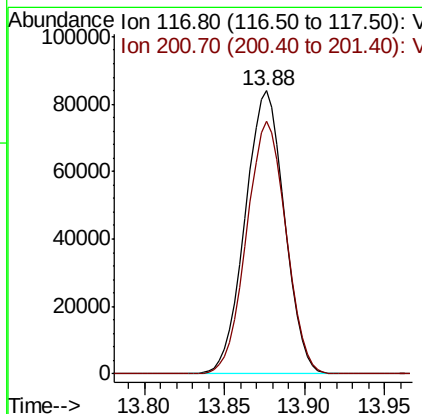
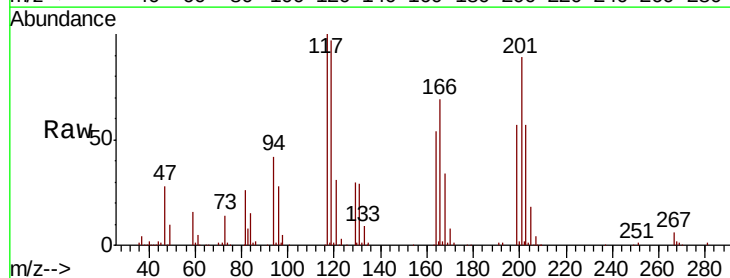
RT: 13.88 min Scan# 3764

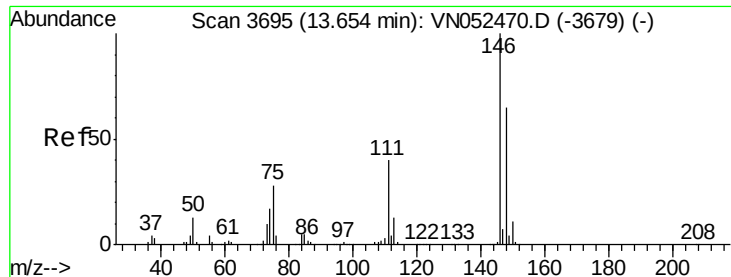
Delta R.T. 0.00 min

Lab File: VN052690.D

Acq: 6 Dec 2018 10:37

Tgt Ion:	117	Resp:	141004
Ion	Ratio	Lower	Upper
117	100		
201	89.6	43.6	130.9





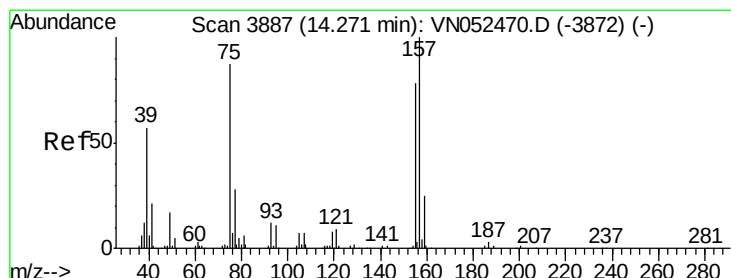
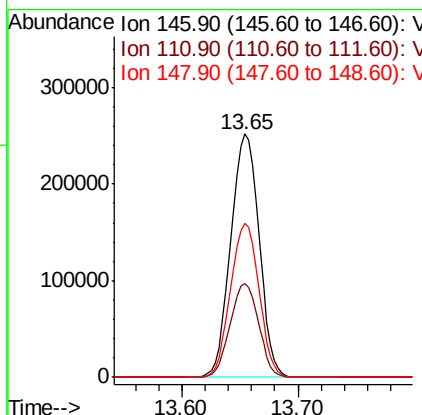
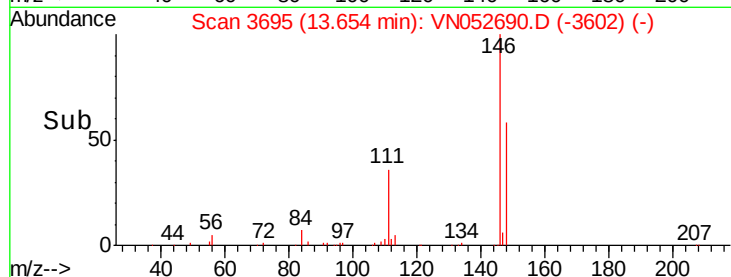
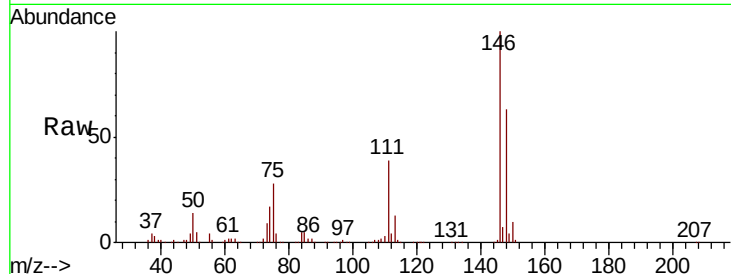
#91
 1,2-Dichlorobenzene
 Concen: 21.004 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1206WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.0	60.0
148	63.5	32.0	96.2

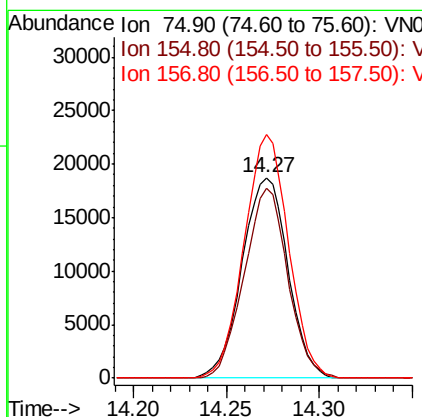
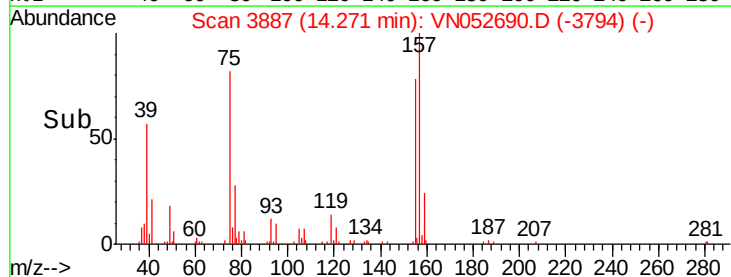
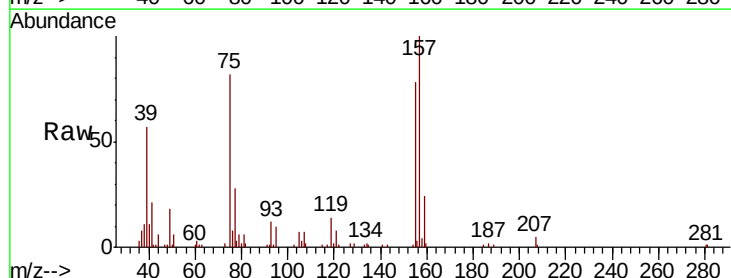
Manual Integrations
 APPROVED

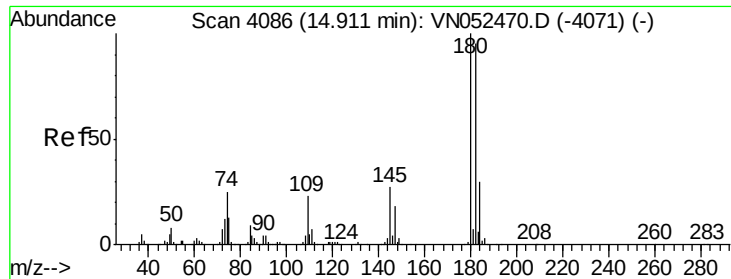
MMDadoda
 12/7/2018 1:12:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.289 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052690.D
 Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	45.3	135.9
157	117.0	58.1	174.2





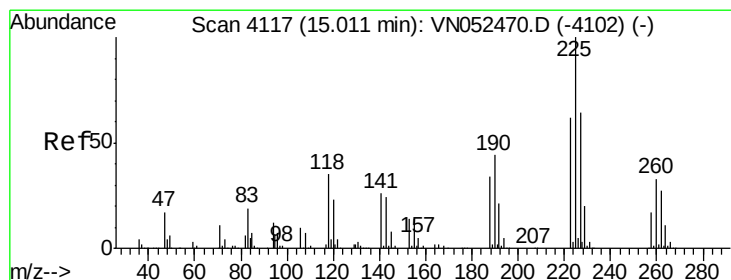
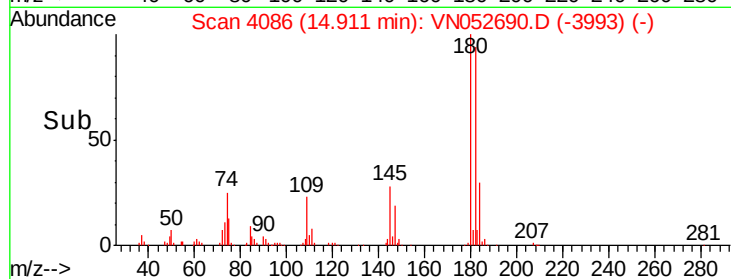
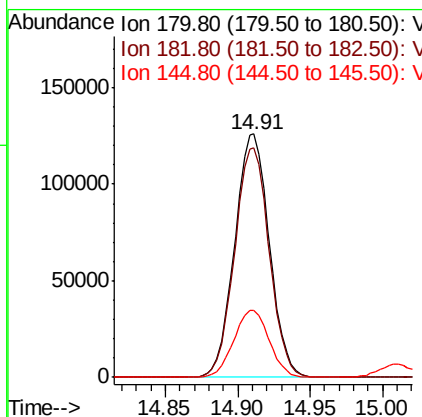
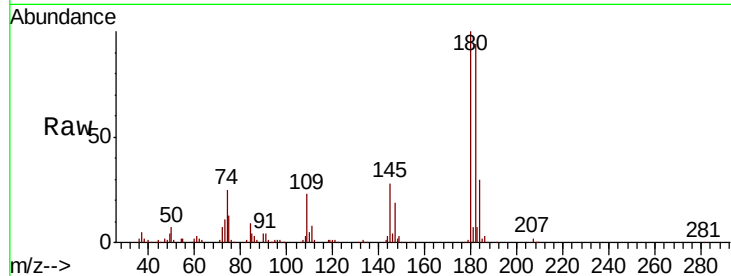
#93
1,2,4-Trichlorobenzene
Concen: 20.601 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.3	47.8	143.4	
145	28.2	14.1	42.3	

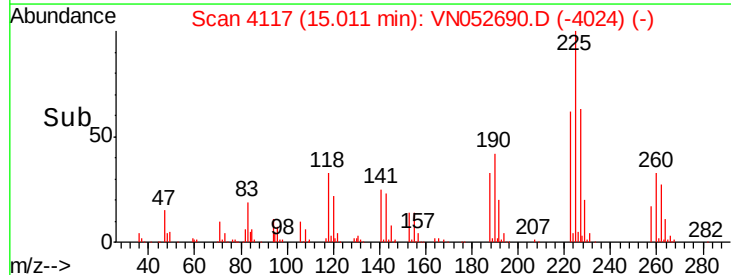
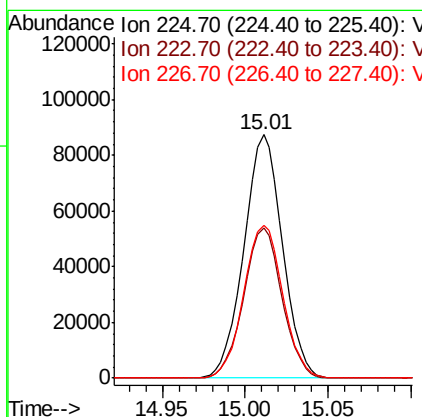
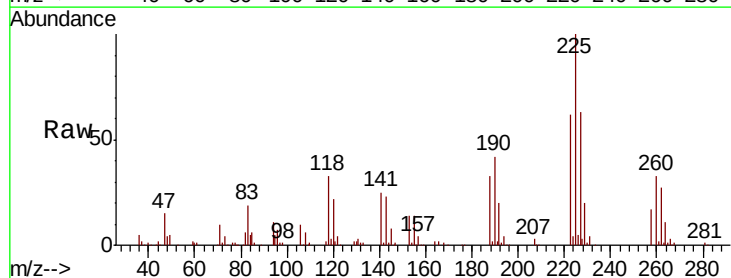
Manual Integrations
APPROVED

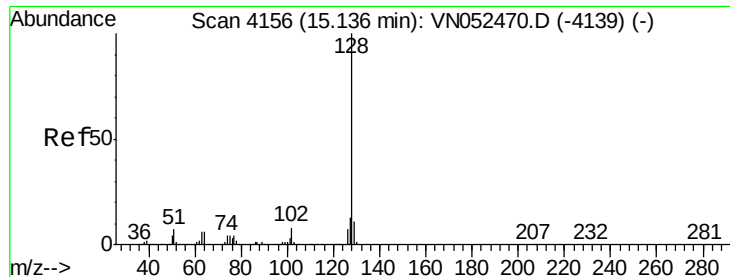
MMDadoda
12/7/2018 1:12:44 PM



#94
Hexachlorobutadiene
Concen: 21.726 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.4	31.4	94.2	
227	63.7	32.5	97.4	





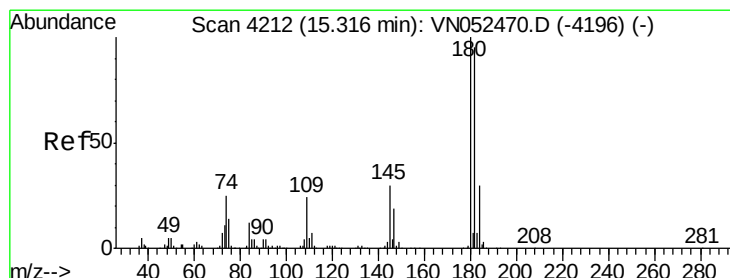
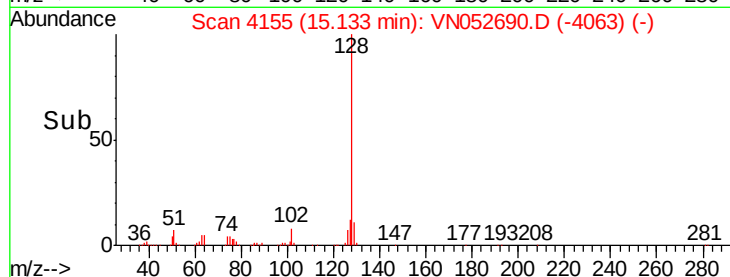
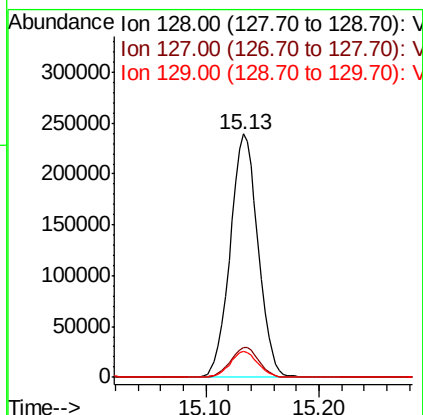
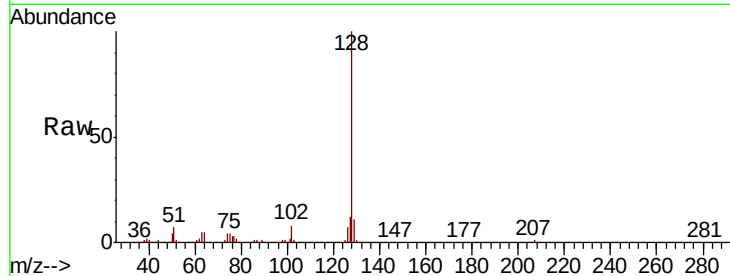
#95
Naphthalene
Concen: 19.641 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Instrument :
MSVOA_N
ClientSampleId :
VN1206WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2018 1:12:44 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.091 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052690.D
Acq: 6 Dec 2018 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.8	143.3
145	29.9	15.2	45.5

