

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052830.D
 Acq On : 12 Dec 2018 16:36
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:36:28 PM

Quant Time: Dec 13 04:18:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1100375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1652577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1477066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	711647	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	565263	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.59	113	466141	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.09	98	2024776	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	702384	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	558533	49.309	ug/l	100
3) Chloromethane	2.06	50	651142	47.896	ug/l	99
4) Vinyl Chloride	2.19	62	651896	47.930	ug/l	100
5) Bromomethane	2.57	94	398994	47.562	ug/l	99
6) Chloroethane	2.71	64	374649	46.602	ug/l	99
7) Trichlorofluoromethane	3.02	101	830218	49.235	ug/l	99
8) Diethyl Ether	3.41	74	309535	50.322	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	527366	50.462	ug/l	99
10) Methyl Iodide	3.96	142	685842	46.861	ug/l	100
11) Tert butyl alcohol	4.78	59	142816	218.456	ug/l	99
12) 1,1-Dichloroethene	3.74	96	494945	48.923	ug/l	100
13) Acrolein	3.61	56	169293	275.045	ug/l	100
14) Allyl chloride	4.33	41	845047	51.140	ug/l	95
15) Acrylonitrile	4.99	53	910558	248.271	ug/l	99
16) Acetone	3.82	43	627369	238.746	ug/l	97
17) Carbon Disulfide	4.06	76	1521081	48.943	ug/l	100
18) Methyl Acetate	4.32	43	464662	48.182	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1356030	49.373	ug/l	99
20) Methylene Chloride	4.55	84	554129	46.859	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	522588	47.679	ug/l	100
22) Diisopropyl ether	5.95	45	1708540	48.466	ug/l	100
23) Vinyl Acetate	5.90	43	5367040	255.860	ug/l	99
24) 1,1-Dichloroethane	5.85	63	987549	48.578	ug/l	100
25) 2-Butanone	6.83	43	998682	244.933	ug/l	98
26) 2,2-Dichloropropane	6.83	77	752226	50.247	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	600757	48.293	ug/l	99
28) Bromochloromethane	7.20	49	442721	48.498	ug/l	98
29) Tetrahydrofuran	7.21	42	686388	246.587	ug/l	100
30) Chloroform	7.37	83	954794	48.163	ug/l	99
31) Cyclohexane	7.65	56	969440	48.883	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	808278	48.732	ug/l	99
36) 1,1-Dichloropropene	7.79	75	774444	50.890	ug/l	99
37) Ethyl Acetate	6.93	43	468335	51.229	ug/l	99
38) Carbon Tetrachloride	7.78	117	718220	51.274	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	983098	52.642	ug/l	98
40) Benzene	8.04	78	2278179	49.878	ug/l	100
41) Methacrylonitrile	7.17	41	224172	44.256	ug/l	90
42) 1,2-Dichloroethane	8.13	62	682088	49.604	ug/l	100
43) Isopropyl Acetate	8.16	43	856185	45.678	ug/l	100
44) Trichloroethene	8.84	130	614615	49.818	ug/l	98
45) 1,2-Dichloropropane	9.12	63	597814	49.970	ug/l	99
46) Dibromomethane	9.21	93	342707	49.395	ug/l	100
47) Bromodichloromethane	9.40	83	724067	50.326	ug/l	99
48) Methyl methacrylate	9.20	41	432229	52.583	ug/l	99
49) 1,4-Dioxane	9.20	88	73541	788.195	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	2219034	258.184	ug/l	100
52) Toluene	10.16	92	1391093	50.286	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	763411	52.729	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	889118	51.536	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	492481	49.871	ug/l	98
56) Ethyl methacrylate	10.43	69	671651	52.998	ug/l	100
57) 1,3-Dichloropropane	10.71	76	849687	50.176	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1837678	259.877	ug/l	100
59) 2-Hexanone	10.75	43	1555712	264.121	ug/l	100
60) Dibromochloromethane	10.90	129	548182	51.363	ug/l	100
61) 1,2-Dibromoethane	11.01	107	499223	51.144	ug/l	100
64) Tetrachloroethene	10.63	164	623726	49.132	ug/l	99
65) Chlorobenzene	11.43	112	1531293	49.971	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	536850	50.373	ug/l	100
67) Ethyl Benzene	11.51	91	2688440	51.087	ug/l	100
68) m/p-Xylenes	11.62	106	2037660	103.120	ug/l	100
69) o-Xylene	11.95	106	976019	50.583	ug/l	99
70) Styrene	11.96	104	1622573	52.311	ug/l	100
71) Bromoform	12.13	173	376305	51.973	ug/l #	100
73) Isopropylbenzene	12.25	105	2638779	49.663	ug/l	100
74) N-amyl acetate	12.07	43	758704	52.011	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	574653	48.257	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	499481m	47.572	ug/l	
77) Bromobenzene	12.53	156	662130	48.994	ug/l	100
78) n-propylbenzene	12.59	91	3079194	50.813	ug/l	100
79) 2-Chlorotoluene	12.68	91	1758808	49.094	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2153194	50.200	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	174807	53.485	ug/l	98
82) 4-Chlorotoluene	12.77	91	1820753	49.708	ug/l	100
83) tert-Butylbenzene	12.99	119	1891562	49.993	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2170944	49.995	ug/l	100
85) sec-Butylbenzene	13.17	105	2607021	50.877	ug/l	100
86) p-Isopropyltoluene	13.29	119	2282538	51.415	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1198362	49.898	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1185956	49.865	ug/l	100
89) n-Butylbenzene	13.62	91	1967493	52.645	ug/l	100
90) Hexachloroethane	13.88	117	376825	50.691	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1132367	49.016	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	92254	51.394	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	696354	55.452	ug/l	100
94) Hexachlorobutadiene	15.01	225	379522	52.213	ug/l	99
95) Naphthalene	15.13	128	1436506	55.231	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	635231	55.128	ug/l	100

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

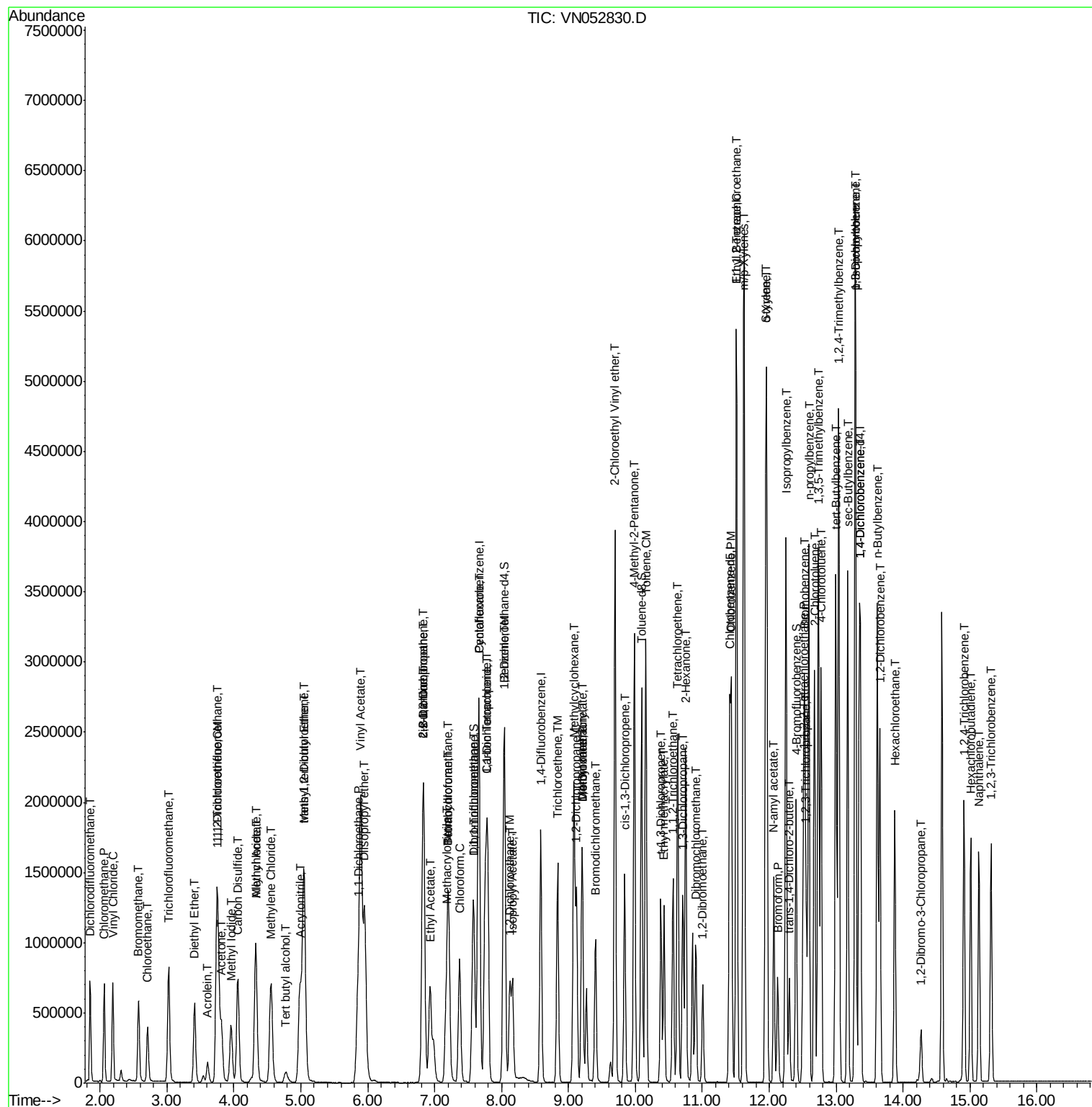
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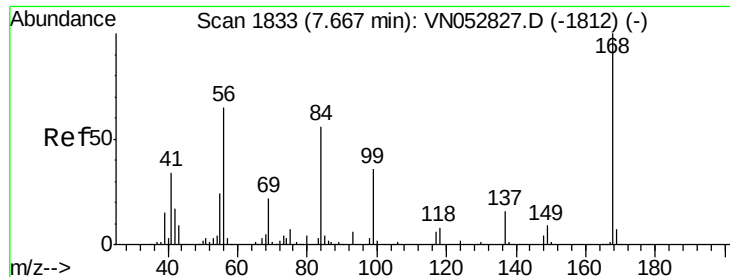
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion:168 Resp: 1100375

Ion Ratio Lower Upper

168 100

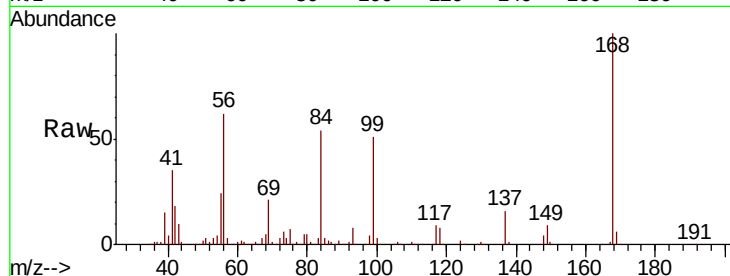
99 51.0 40.2 60.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

300000

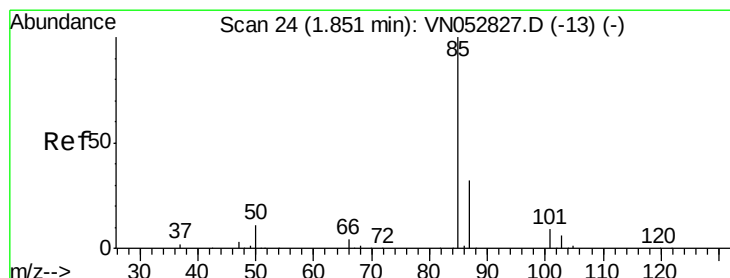
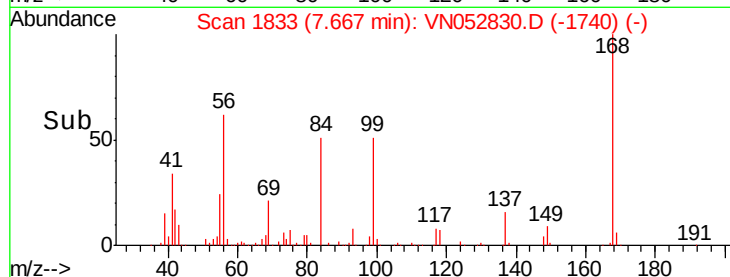
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.309 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052830.D

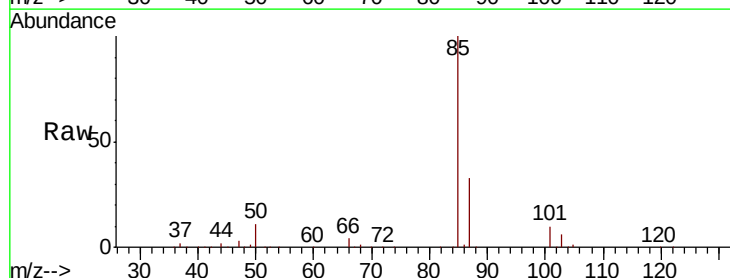
Acq: 12 Dec 2018 16:36

Tgt Ion: 85 Resp: 558533

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

300000

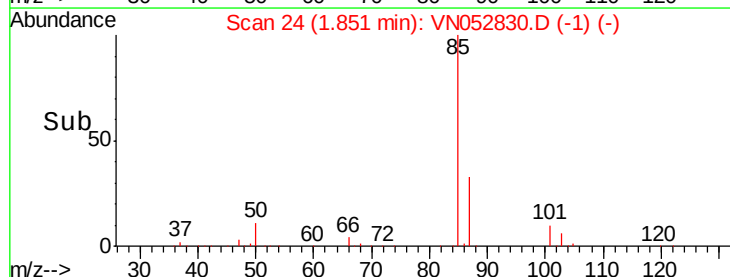
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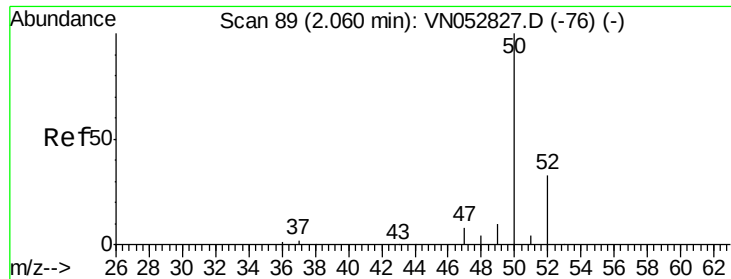
100000

0

1.80 1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 47.896 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion: 50 Resp: 651142

Ion Ratio Lower Upper

50 100

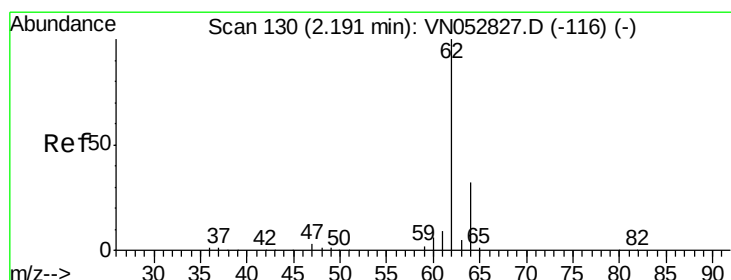
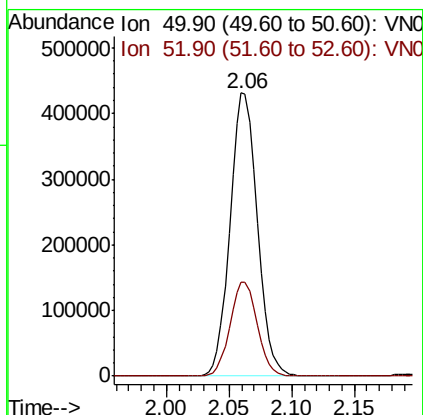
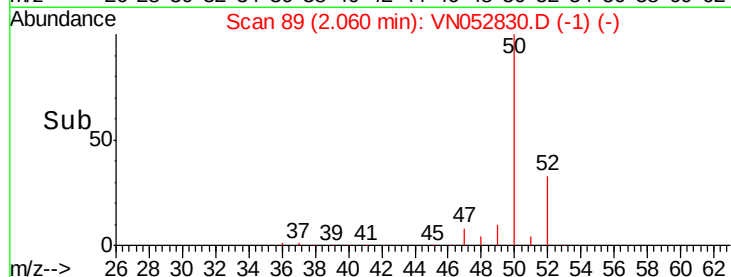
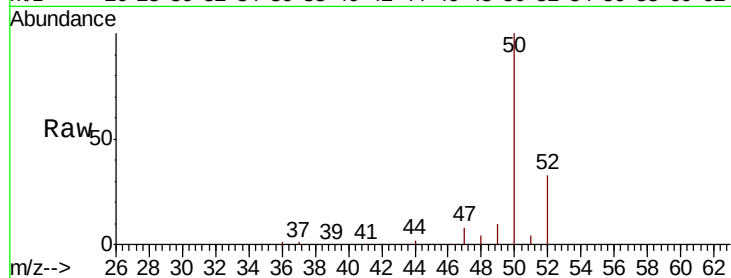
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.930 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052830.D

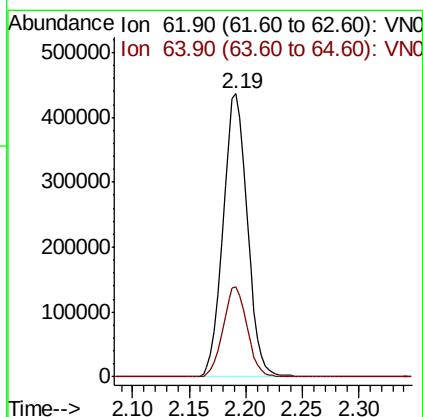
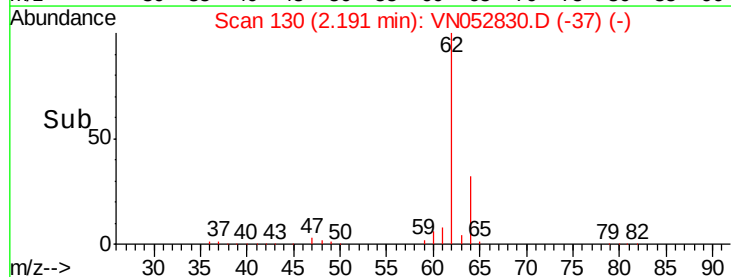
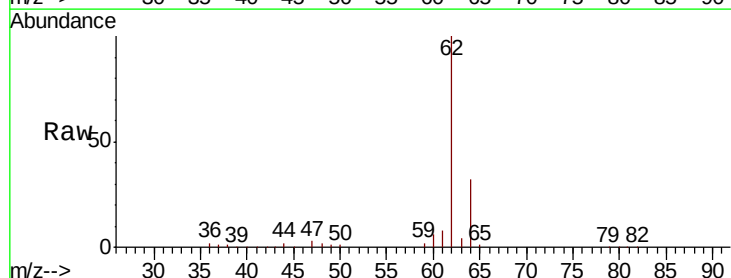
Acq: 12 Dec 2018 16:36

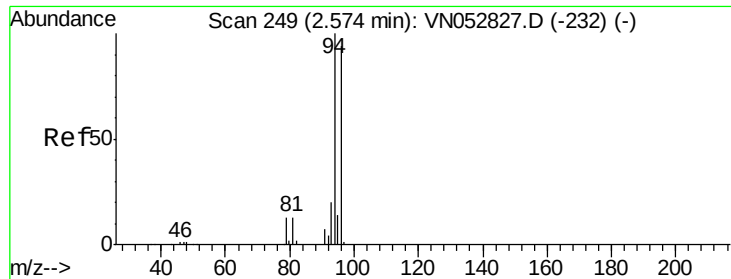
Tgt Ion: 62 Resp: 651896

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3





#5

Bromomethane

Concen: 47.562 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 398994

Ion Ratio Lower Upper

94 100

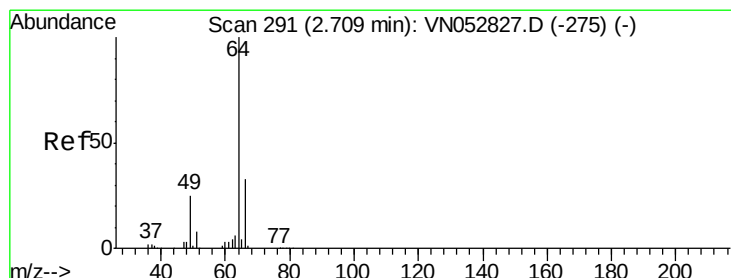
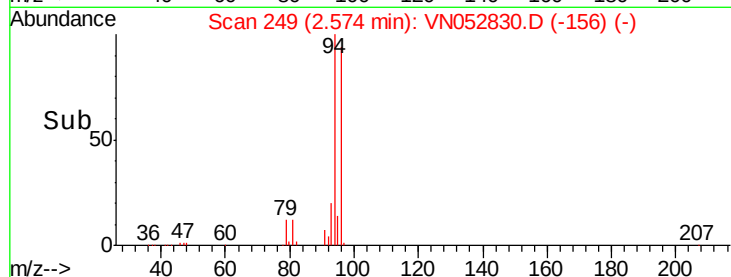
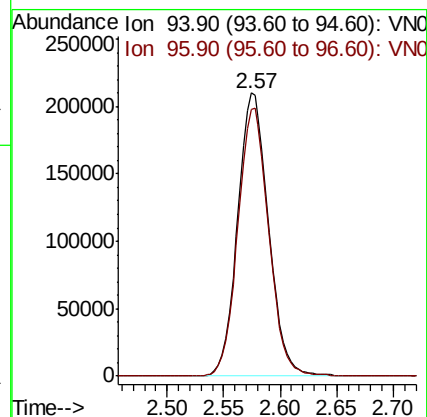
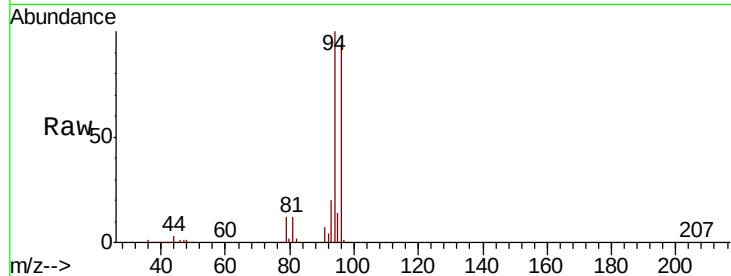
96 94.2 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 46.602 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052830.D

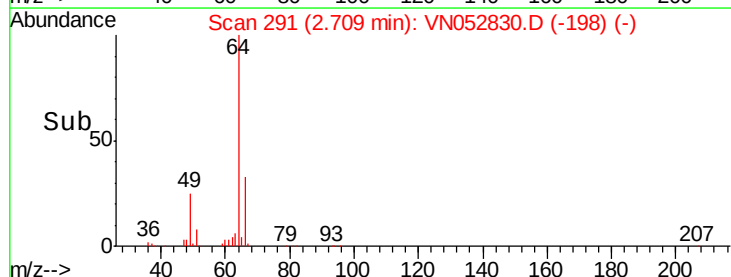
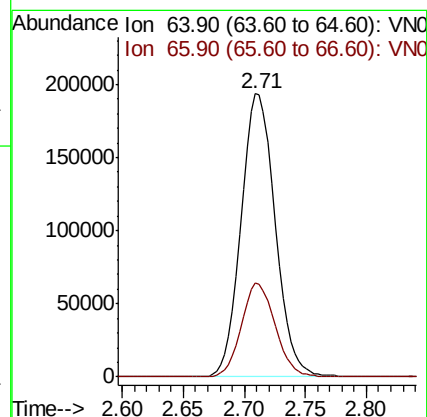
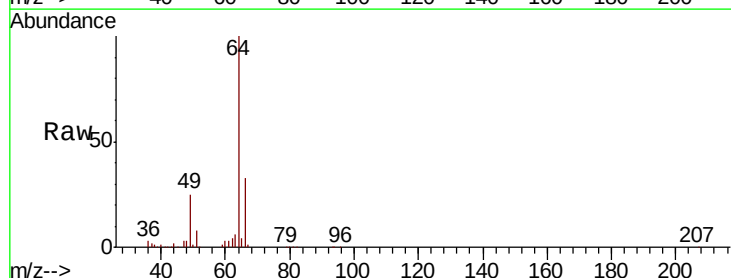
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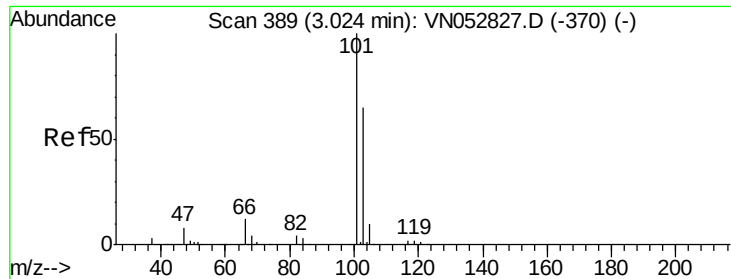
Tgt Ion: 64 Resp: 374649

Ion Ratio Lower Upper

64 100

66 33.1 26.2 39.2





#7

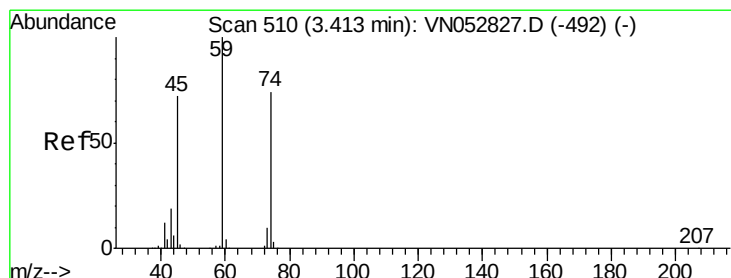
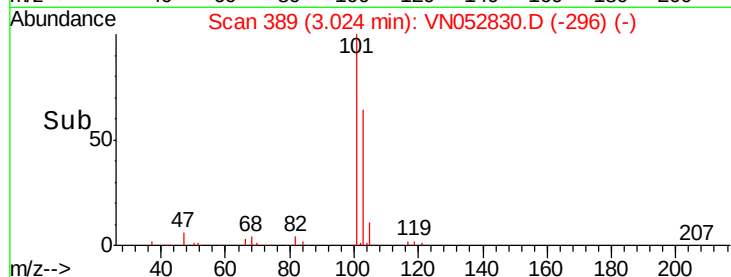
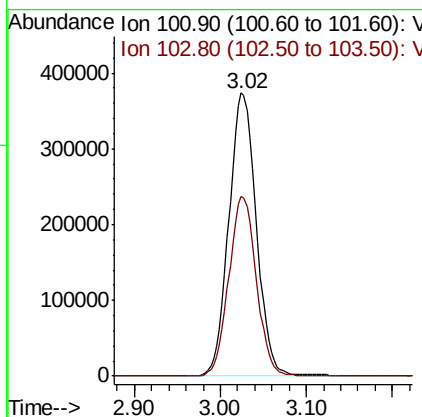
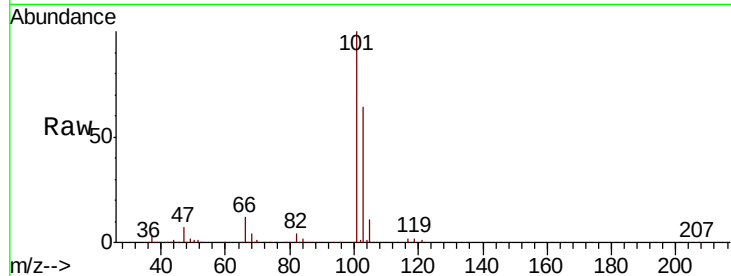
Trichlorofluoromethane
 Concen: 49.235 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	51.8	77.6

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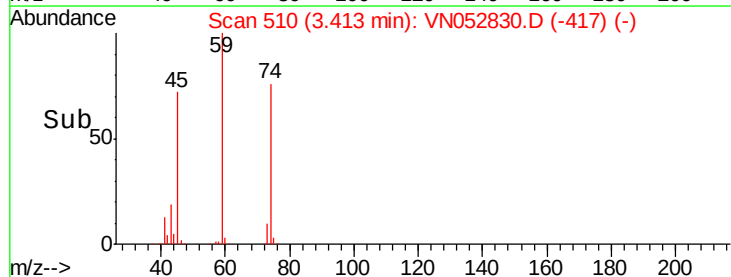
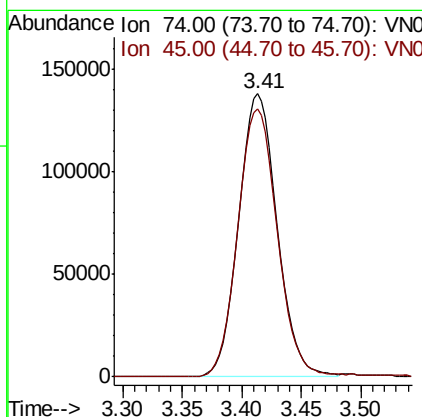
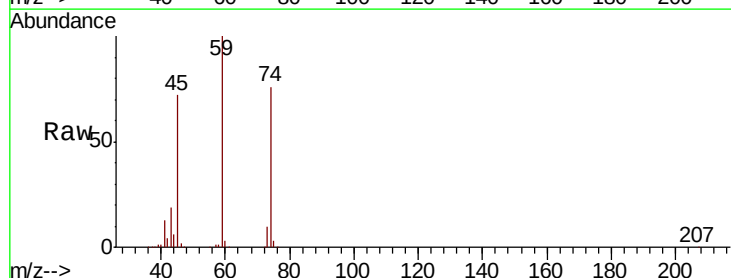
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 12/13/2018 1:36:28 PM

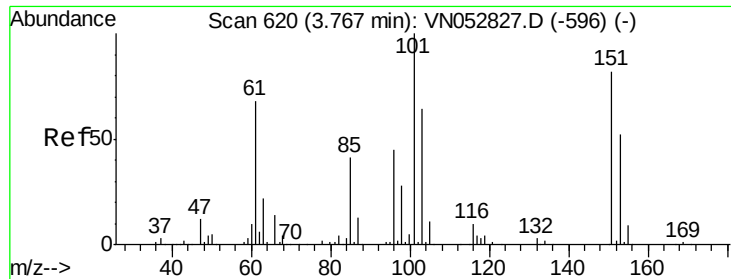


#8

Diethyl Ether
 Concen: 50.322 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052830.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	49.4	148.0





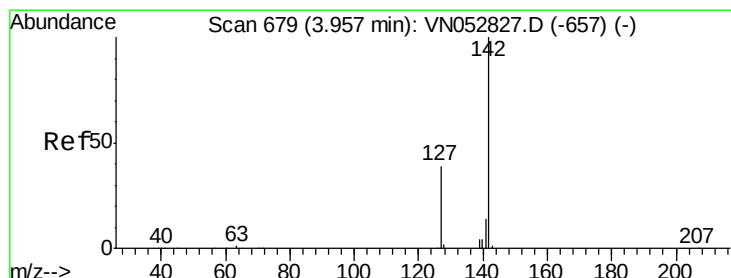
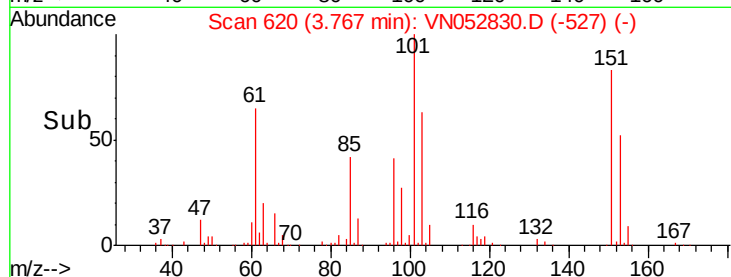
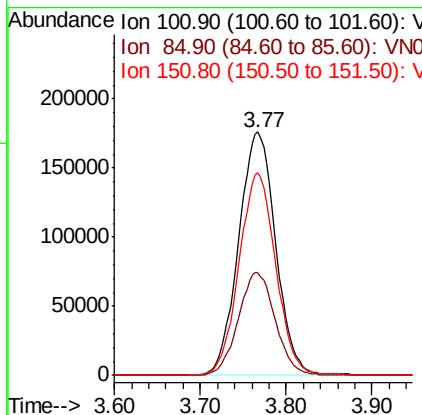
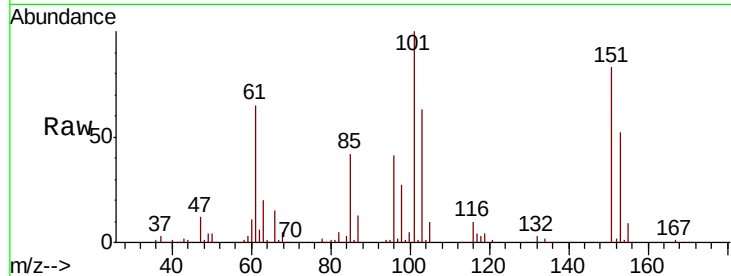
#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.462 ug/l
RT: 3.77 min Scan# 620
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Resp	Lower	Upper
101	100	527366		
85	41.9		33.6	50.4
151	82.7		65.5	98.3

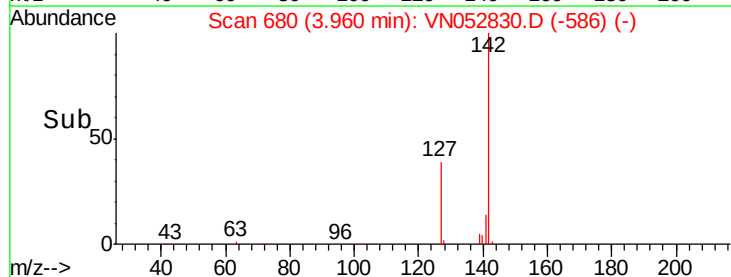
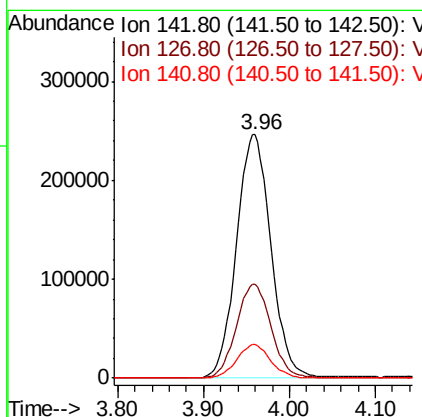
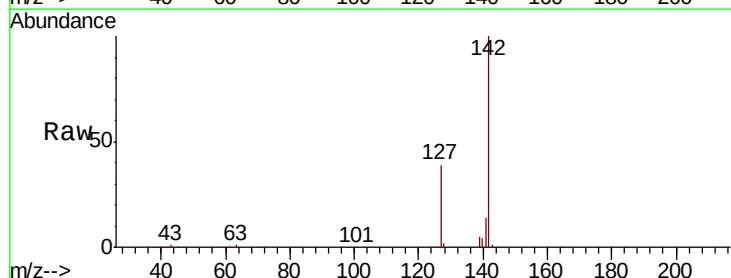
Manual Integrations
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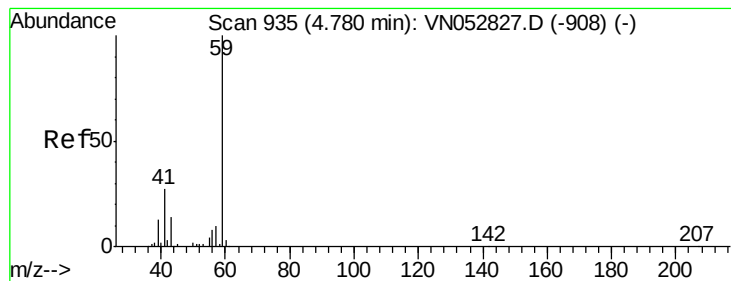
MMDadoda
12/13/2018 1:36:28 PM



#10
Methyl Iodide
Concen: 46.861 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	685842		
127	38.9		31.0	46.6
141	13.6		11.2	16.8





#11

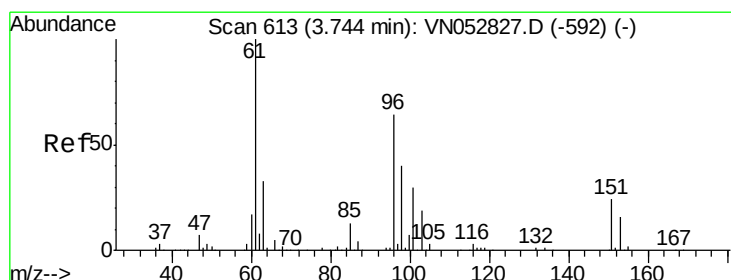
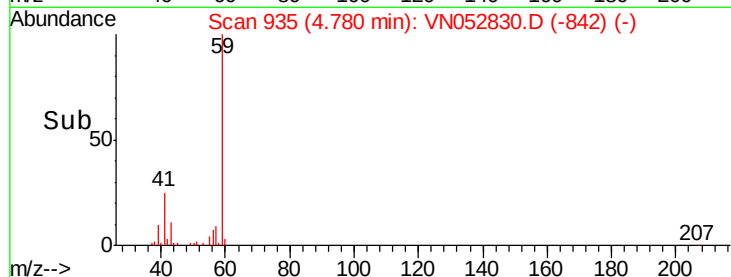
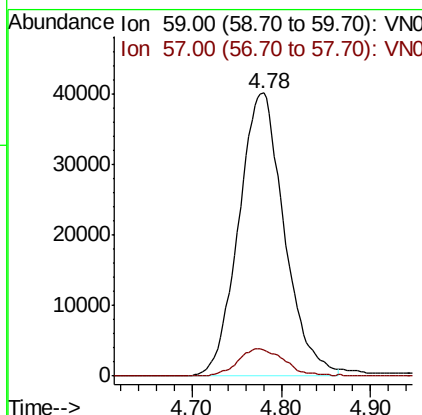
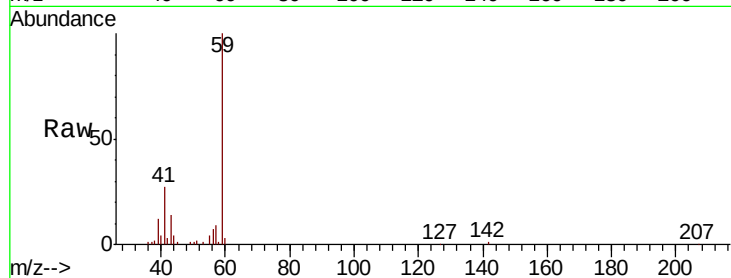
Tert butyl alcohol
 Concen: 218.456 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5

Manual Integrations
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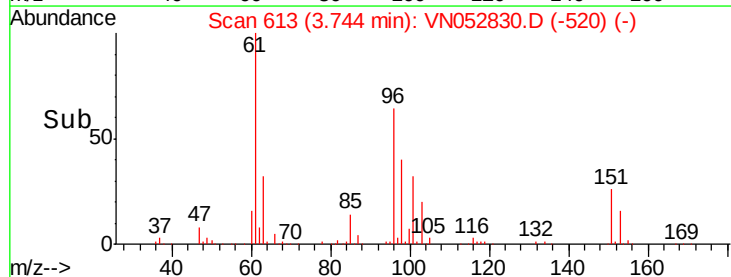
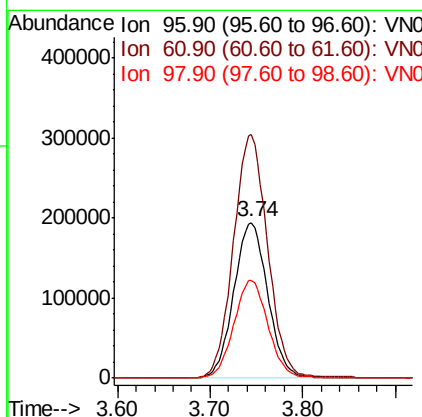
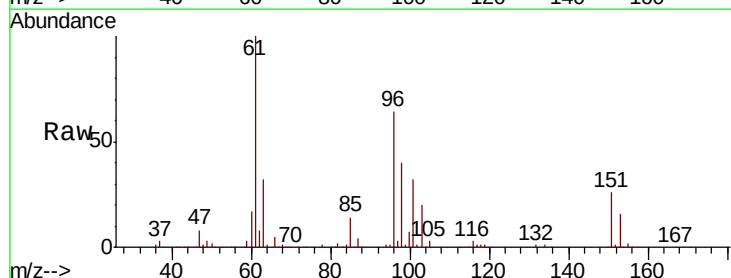
MMDadoda
 12/13/2018 1:36:28 PM

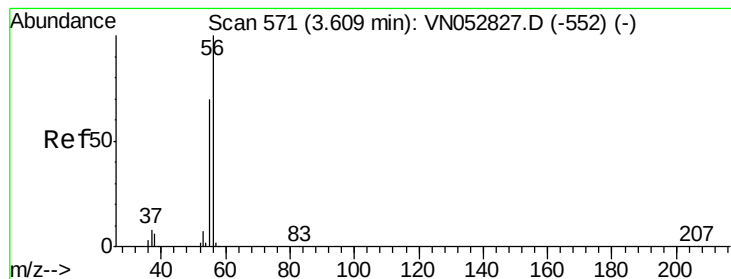


#12

1,1-Dichloroethene
 Concen: 48.923 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	125.6	188.4
98	63.0	50.6	75.8





#13

Acrolein

Concen: 275.045 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion: 56 Resp: 169293

Ion Ratio Lower Upper

56 100

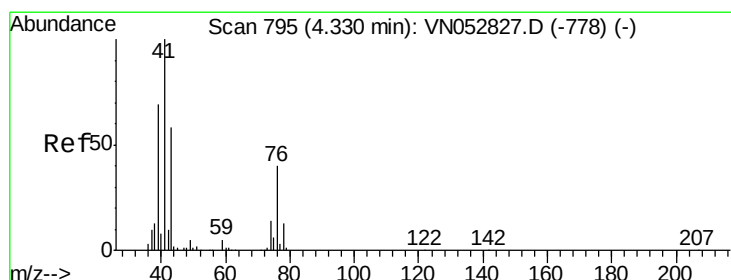
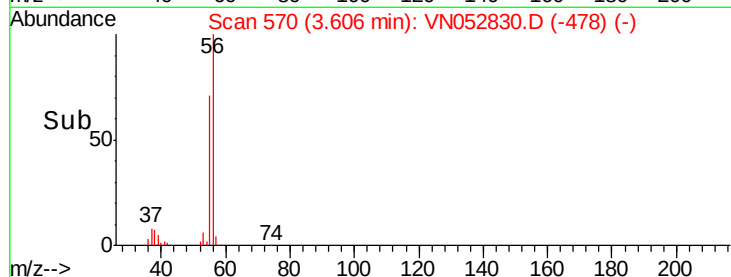
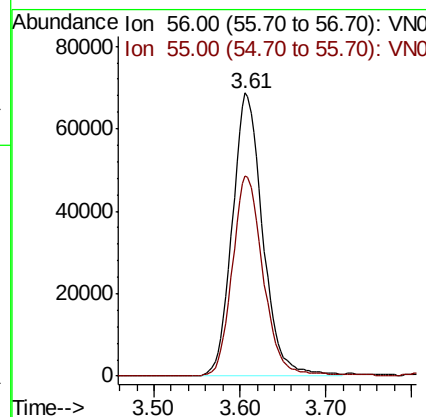
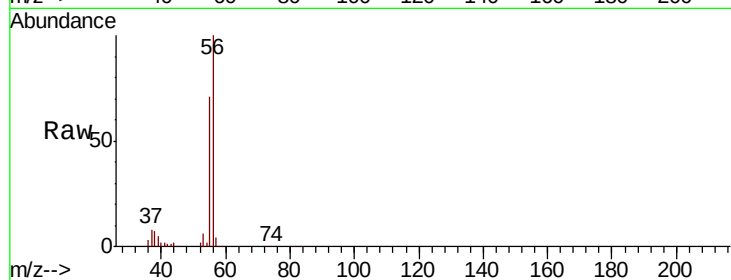
55 70.5 56.6 85.0

Manual Integrations

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12/13/2018 1:36:28 PM



#14

Allyl chloride

Concen: 51.140 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

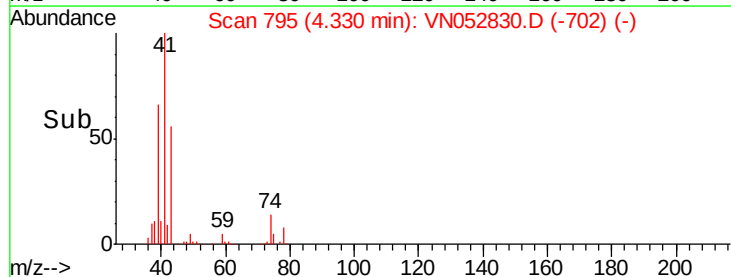
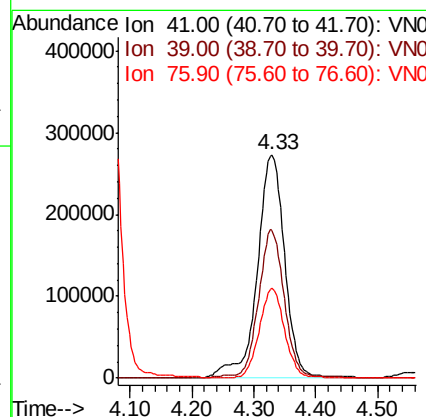
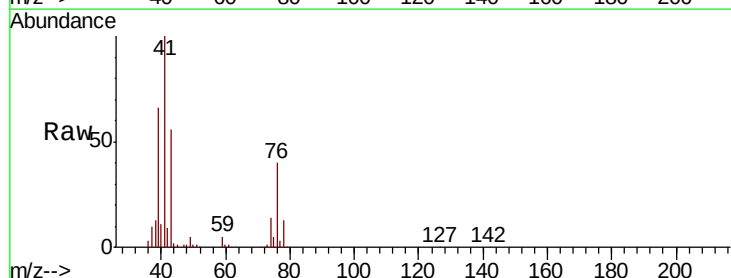
Tgt Ion: 41 Resp: 845047

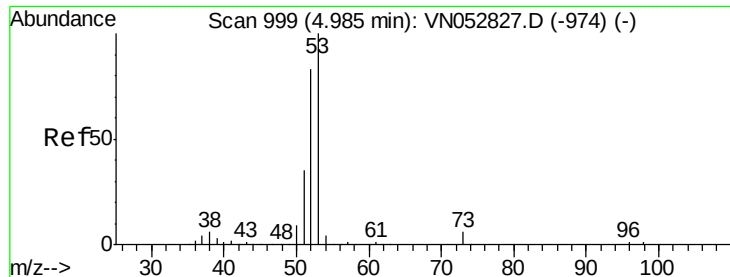
Ion Ratio Lower Upper

41 100

39 62.4 54.1 81.1

76 35.9 30.3 45.5





#15

Acrylonitrile

Concen: 248.271 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

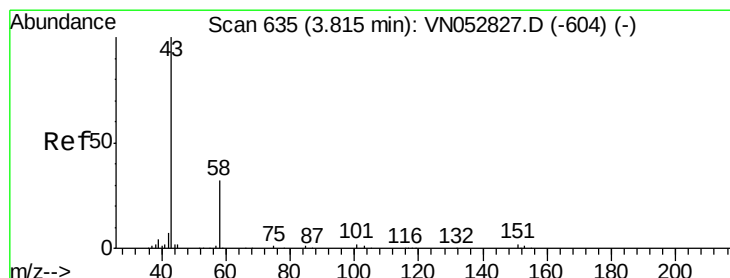
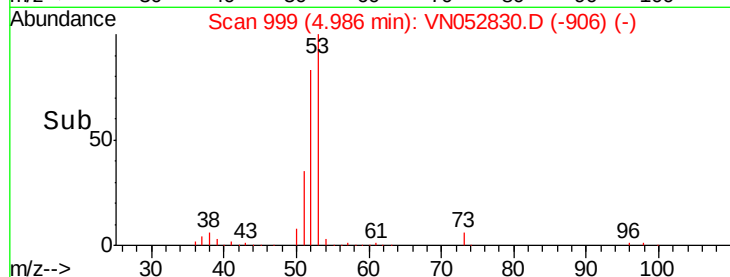
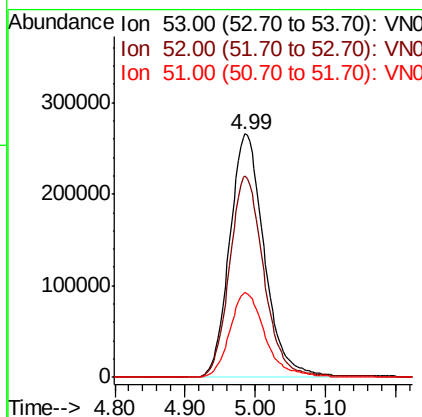
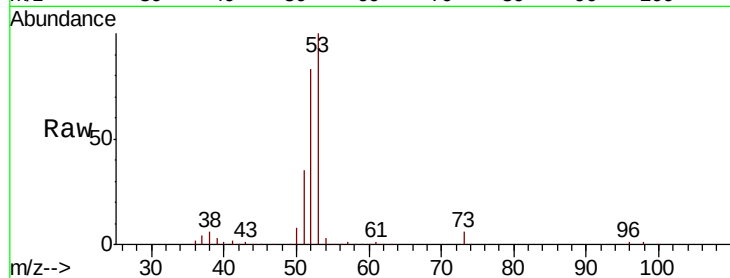
ClientSampleId :

ICVVN121218

Tot Ion:	53	Resp:	910558
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.1	97.7
51	35.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 238.746 ug/l

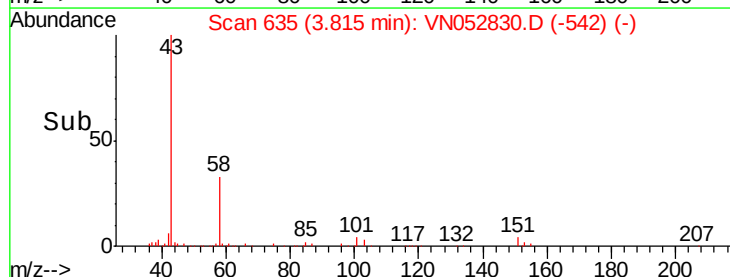
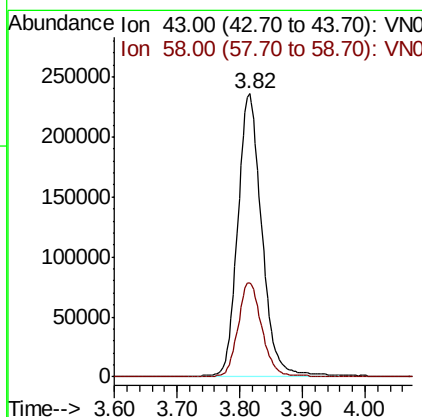
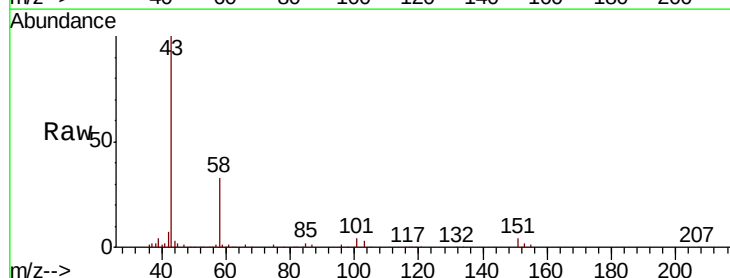
RT: 3.82 min Scan# 635

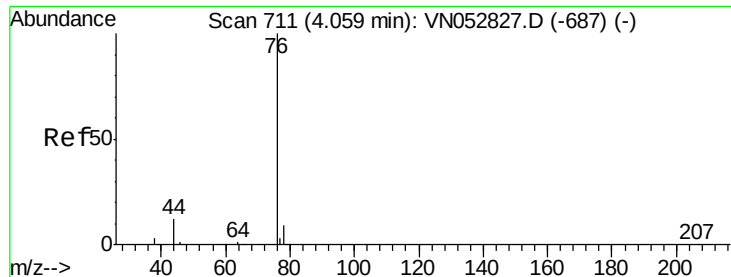
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion:	43	Resp:	627369
Ion	Ratio	Lower	Upper
43	100		
58	33.3	25.4	38.0





#17

Carbon Disulfide

Concen: 48.943 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tot Ion: 76 Resp: 1521081

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

Instrument :

MSVOA_N

ClientSampleId :

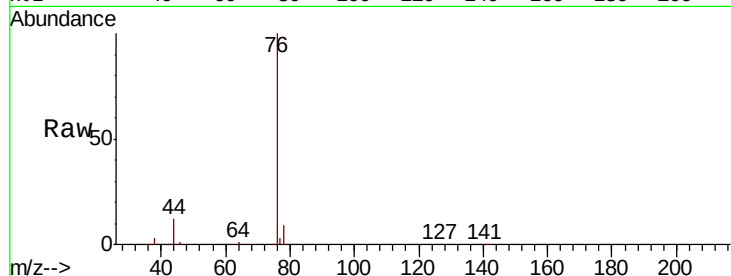
ICVVN121218

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052827.D (-687) (-)

Ion 77.90 (77.60 to 78.60): VN052827.D (-687) (-)

4.06

600000

500000

400000

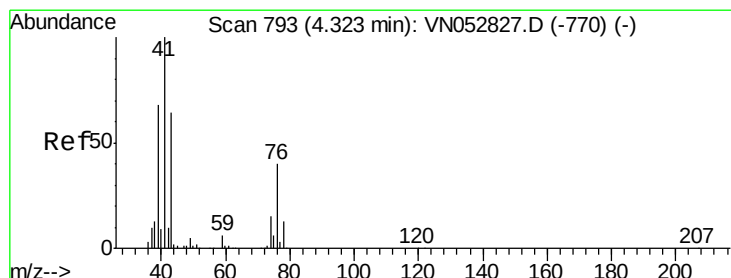
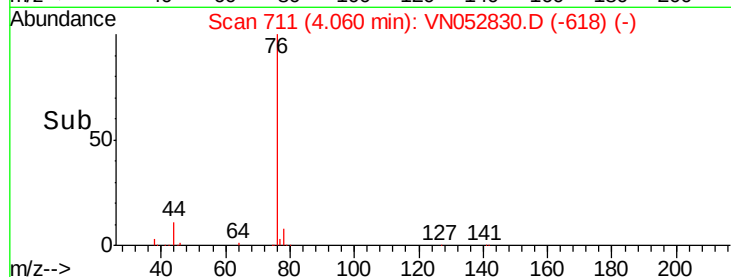
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 48.182 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN052830.D

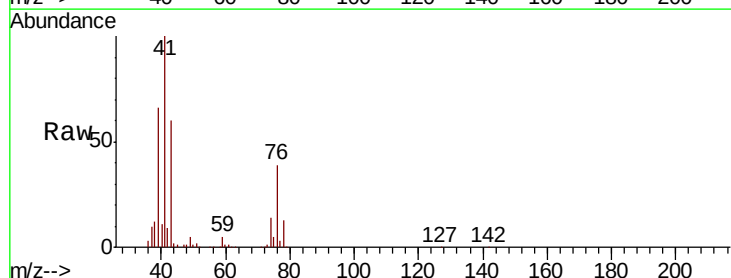
Acq: 12 Dec 2018 16:36

Tgt Ion: 43 Resp: 464662

Ion Ratio Lower Upper

43 100

74 23.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-770) (-)

Ion 74.00 (73.70 to 74.70): VN052827.D (-770) (-)

4.32

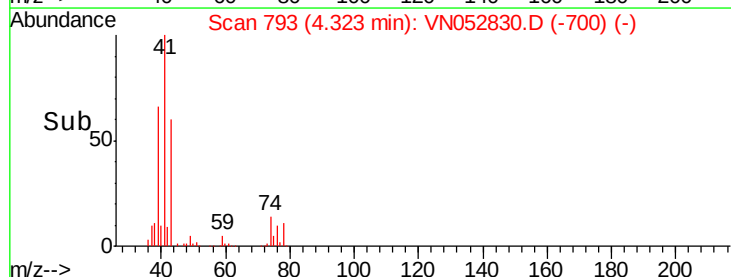
150000

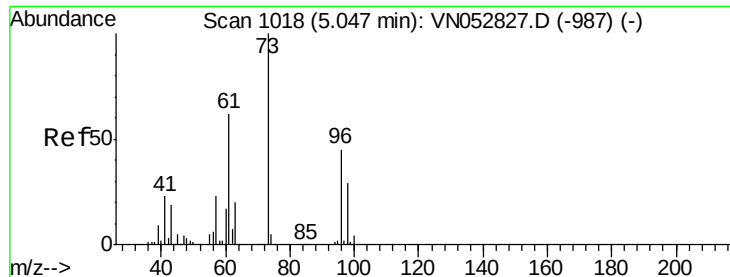
100000

50000

0

Time-->





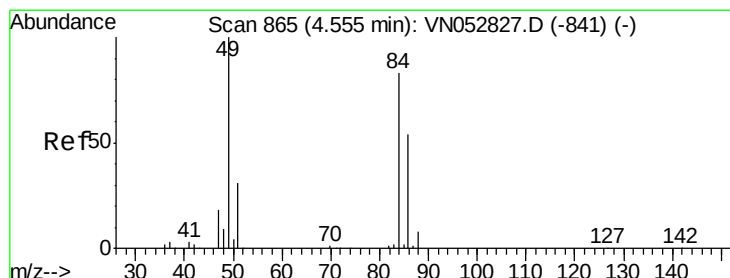
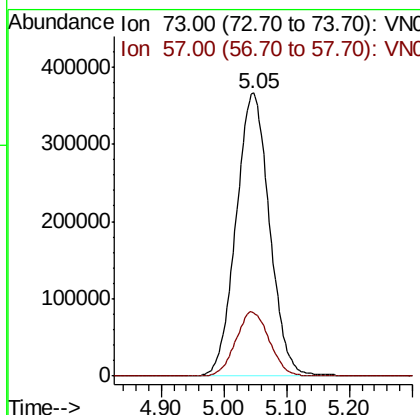
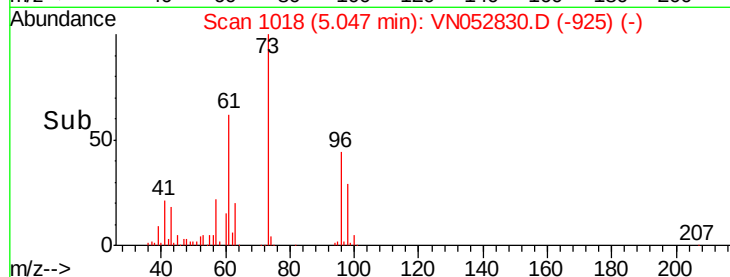
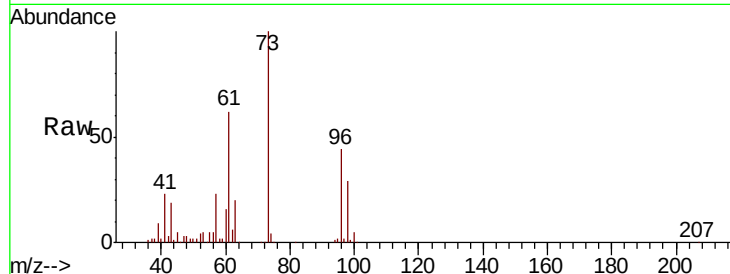
#19
Methvl tert-butvl Ether
Concen: 49.373 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion: 73 Resp: 1356030
Ion Ratio Lower Upper
73 100
57 22.6 18.4 27.6

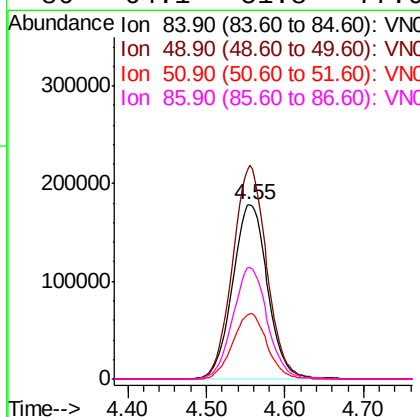
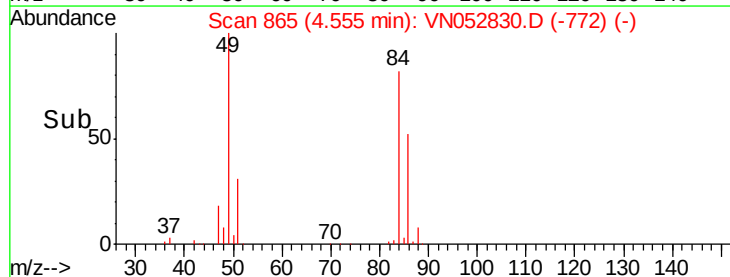
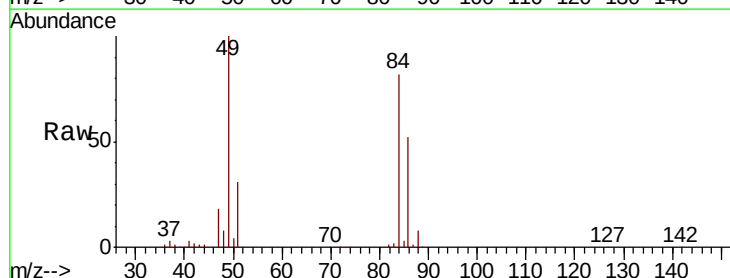
Manual Integrations
APPROVED

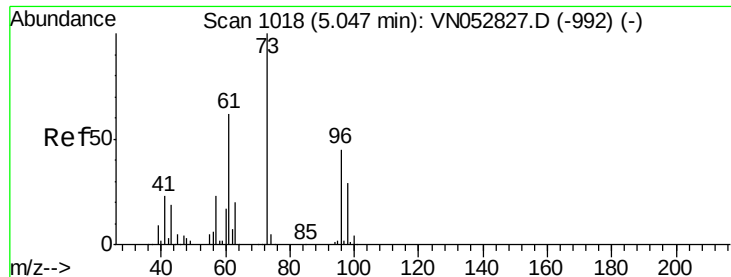
MMDadoda
12/13/2018 1:36:28 PM



#20
Methylene Chloride
Concen: 46.859 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion: 84 Resp: 554129
Ion Ratio Lower Upper
84 100
49 122.3 96.8 145.2
51 37.3 29.9 44.9
86 64.1 51.8 77.6





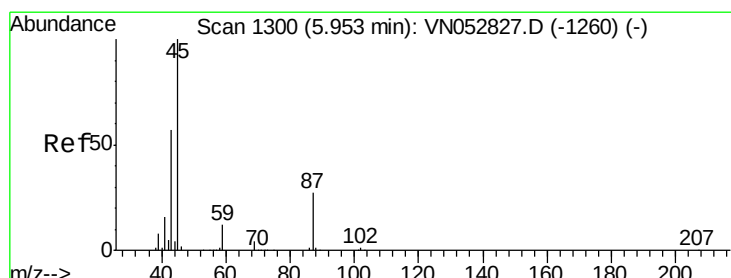
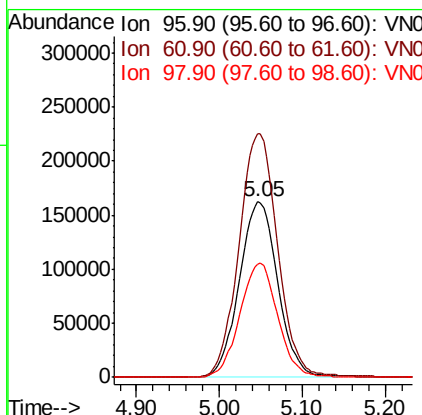
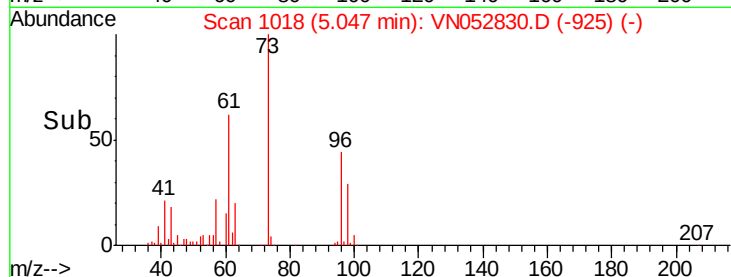
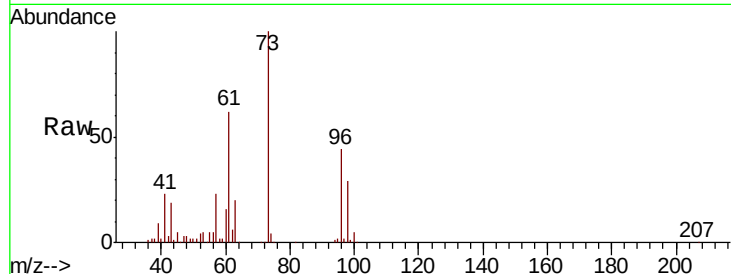
#21
trans-1,2-Dichloroethene
Concen: 47.679 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.7	110.8	166.2
98	64.8	51.4	77.2

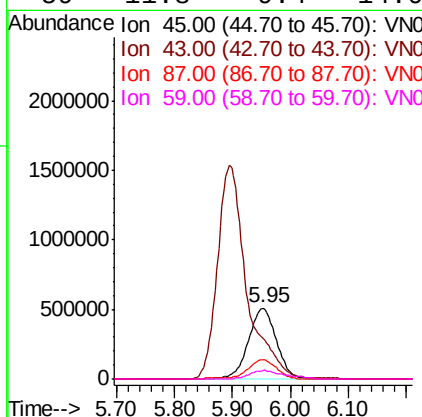
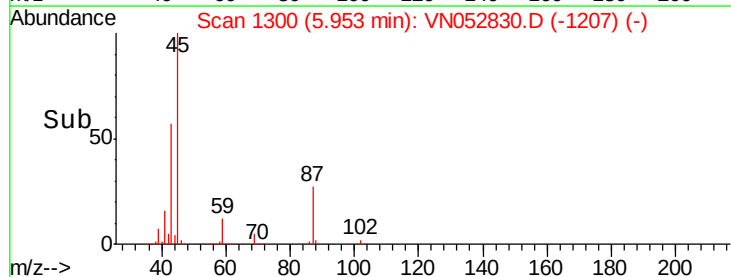
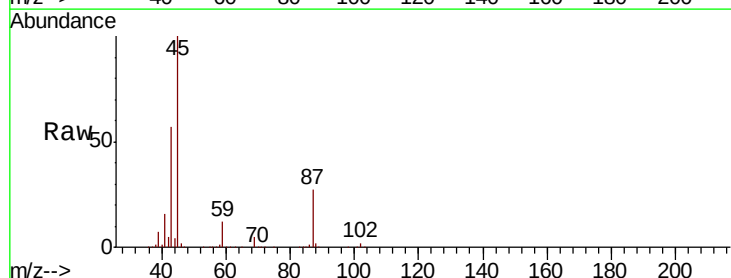
Manual Integrations
APPROVED

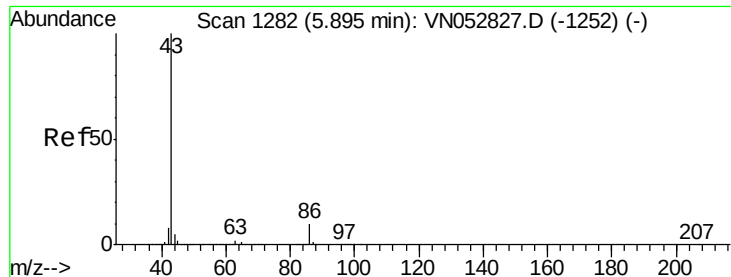
MMDadoda
12/13/2018 1:36:28 PM



#22
Diisopropyl ether
Concen: 48.466 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.6	45.5	68.3
87	27.3	22.0	33.0
59	11.8	9.4	14.0





#23

Vinyl Acetate

Concen: 255.860 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion: 43 Resp: 5367040

Ion Ratio Lower Upper

43 100

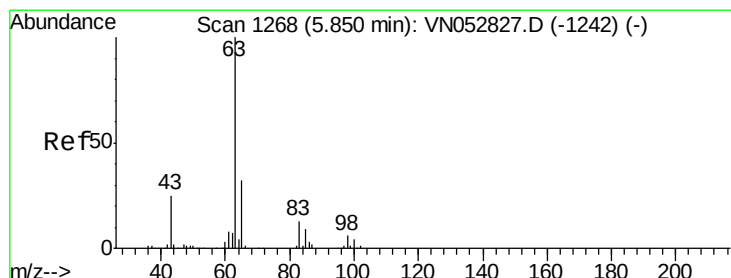
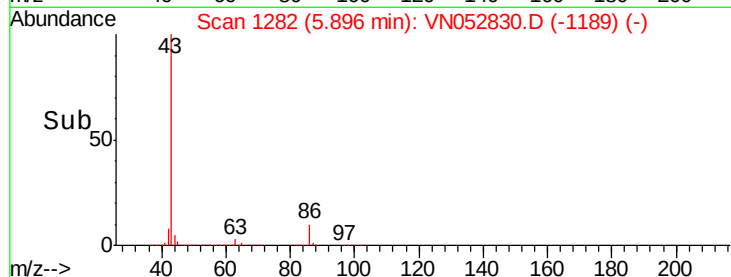
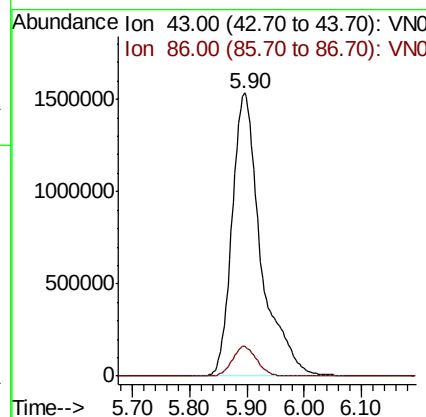
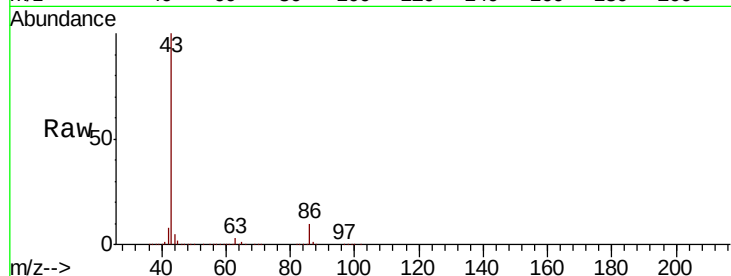
86 10.5 8.1 12.1

Manual Integrations

APPROVED

MMDadoda

12/13/2018 1:36:28 PM



#24

1,1-Dichloroethane

Concen: 48.578 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

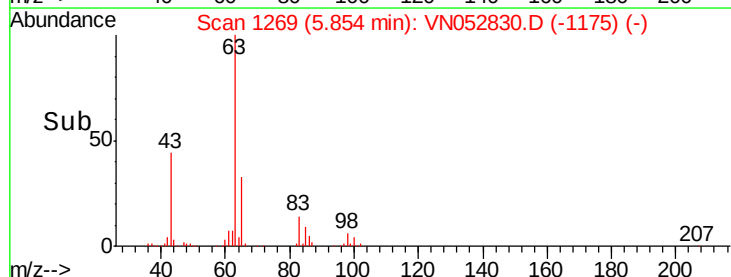
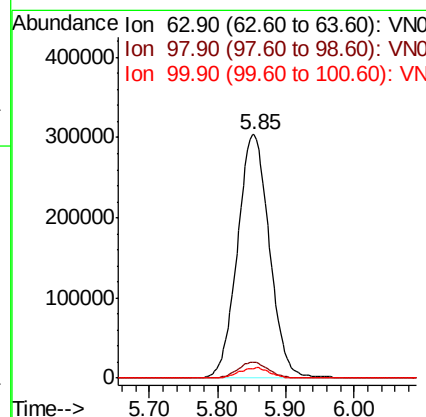
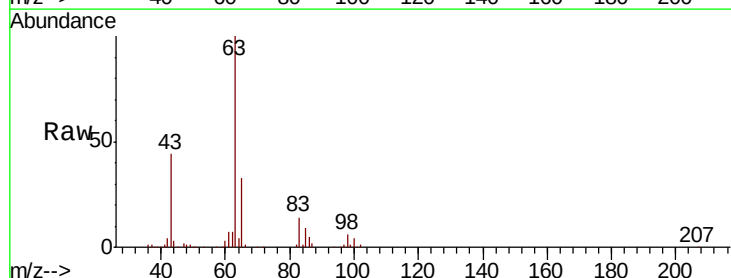
Tgt Ion: 63 Resp: 987549

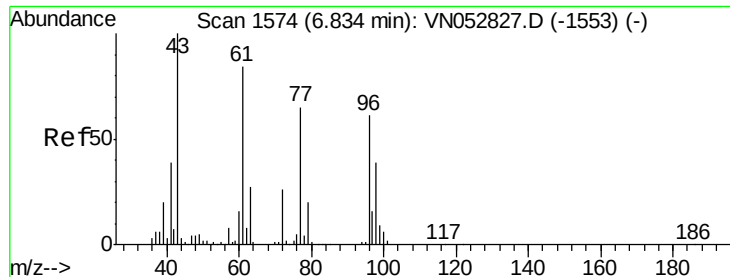
Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

100 4.1 2.0 5.8





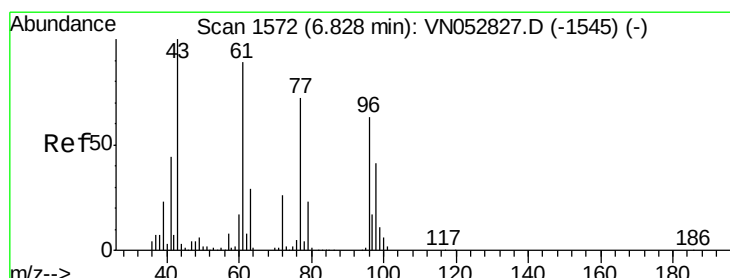
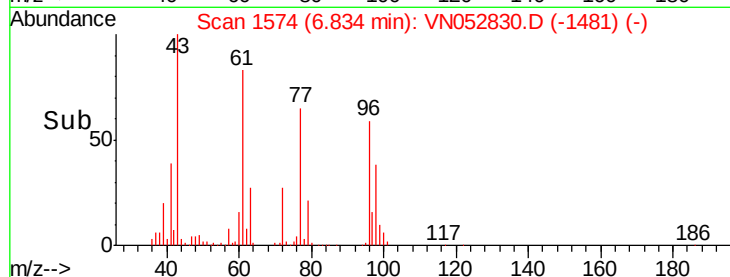
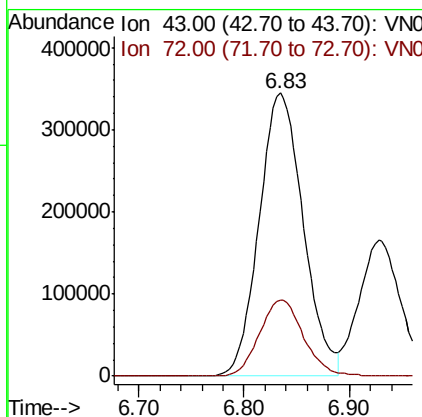
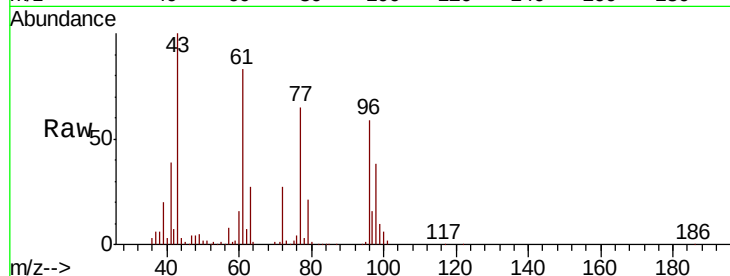
#25
2-Butanone
Concen: 244.933 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion: 43 Resp: 998682
Ion Ratio Lower Upper
43 100
72 27.1 21.0 31.6

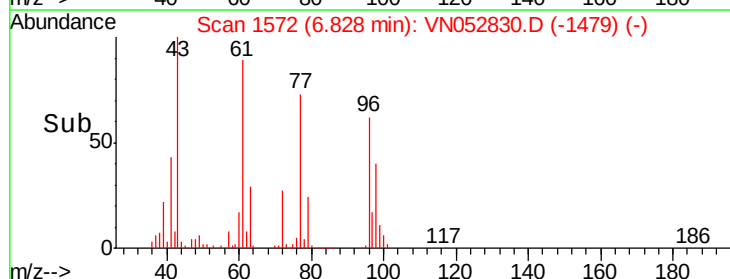
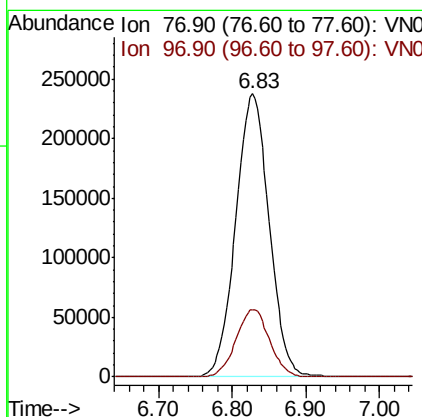
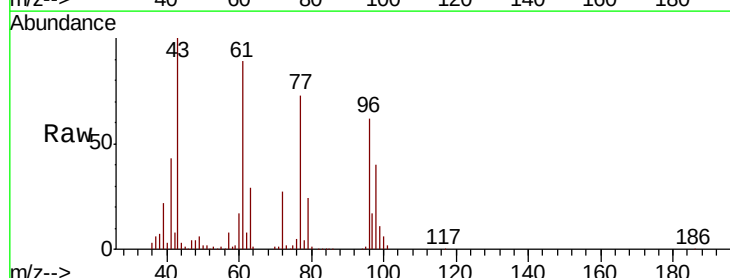
Manual Integrations
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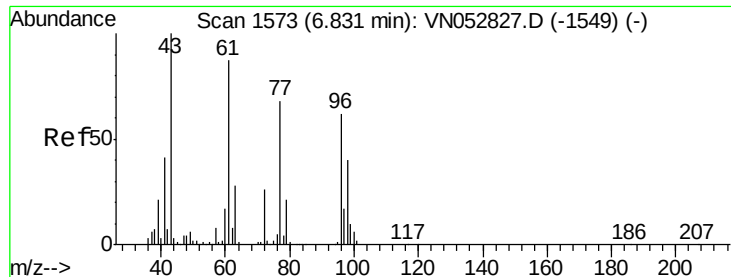
MMDadoda
12/13/2018 1:36:28 PM



#26
2,2-Dichloropropane
Concen: 50.247 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion: 77 Resp: 752226
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 48.293 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

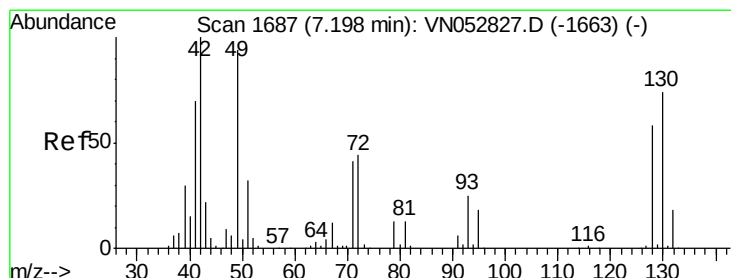
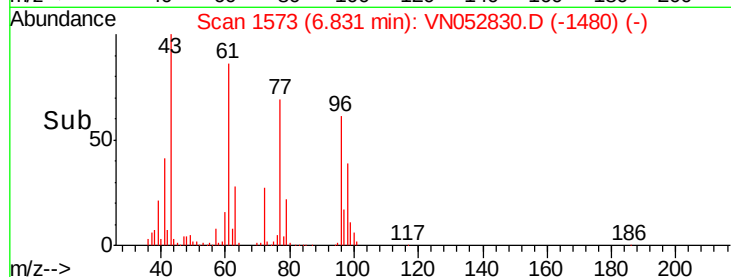
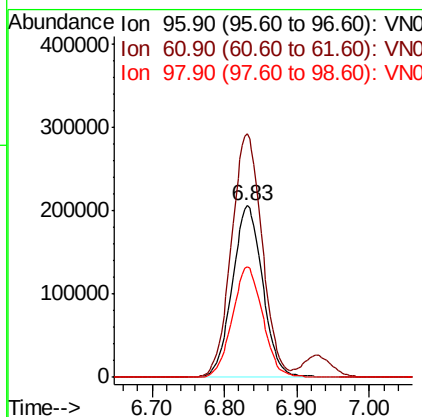
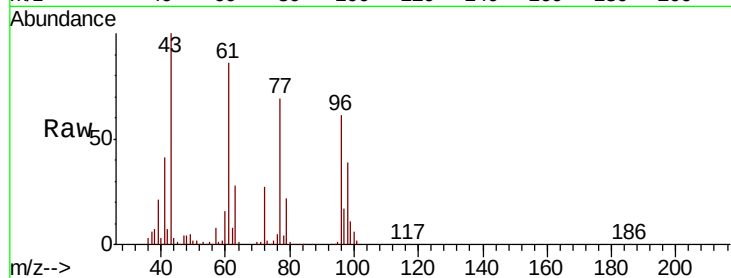
ClientSampleId :

ICVVN121218

Tot Ion:	96	Resp:	600757
Ion Ratio	Lower	Upper	
96	100		
61	143.3	0.0	284.2
98	64.9	0.0	129.2

Manual Integrations
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MMDadoda
12/13/2018 1:36:28 PM



#28

Bromochloromethane

Concen: 48.498 ug/l

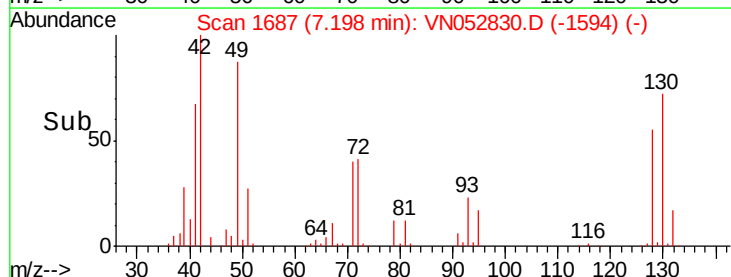
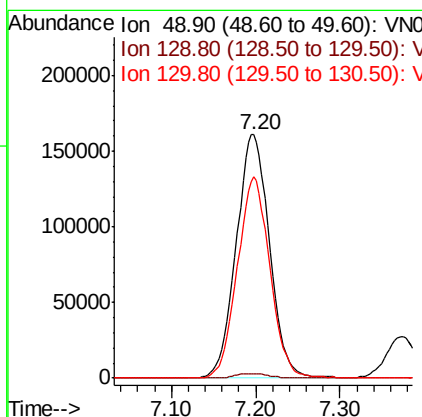
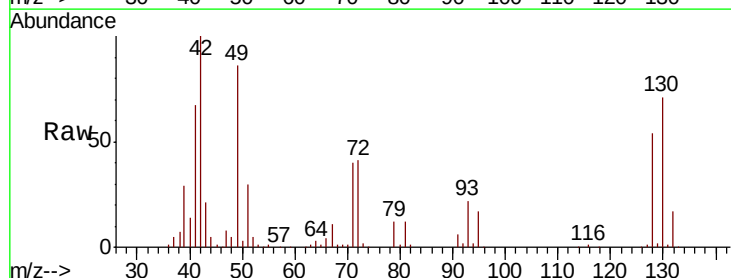
RT: 7.20 min Scan# 1687

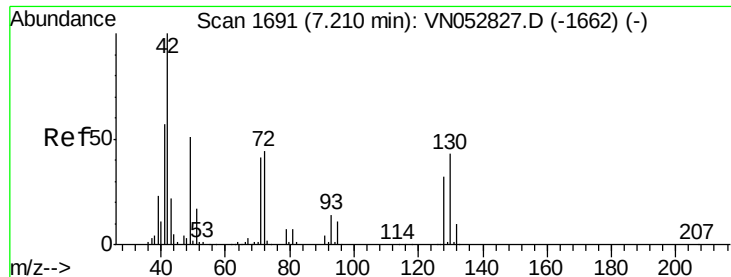
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion:	49	Resp:	442721
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	4.0
130	80.8	63.3	94.9





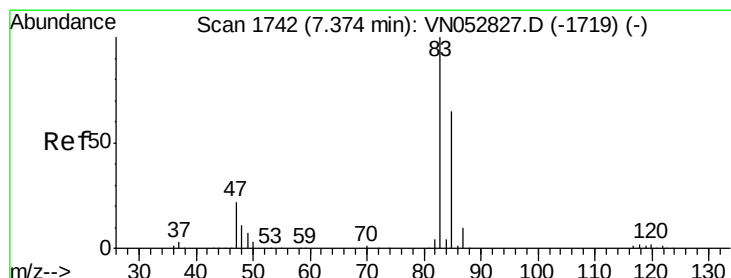
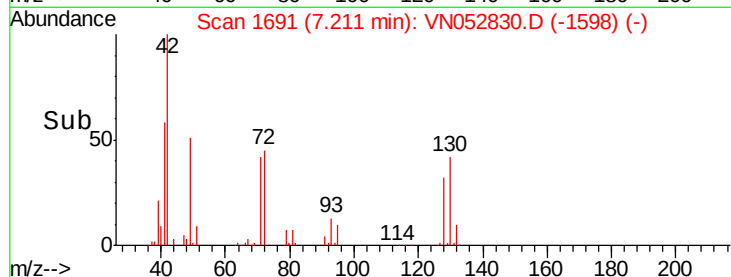
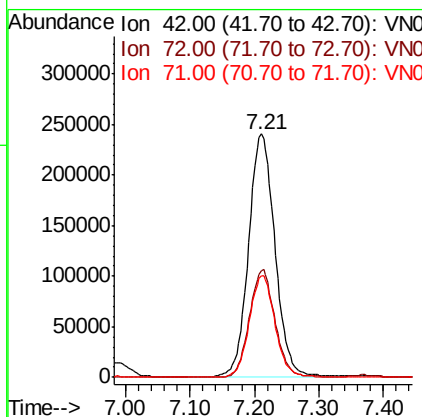
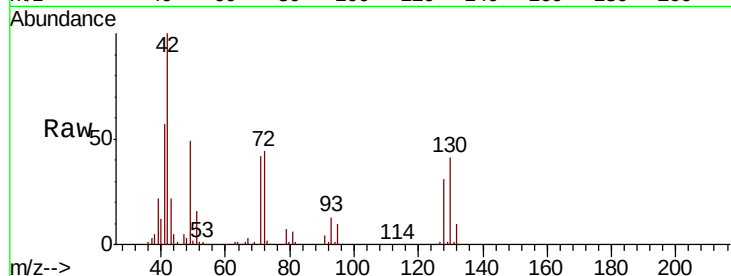
#29
Tetrahydrofuran
Concen: 246.587 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	34.7	52.1
71	40.6	32.3	48.5

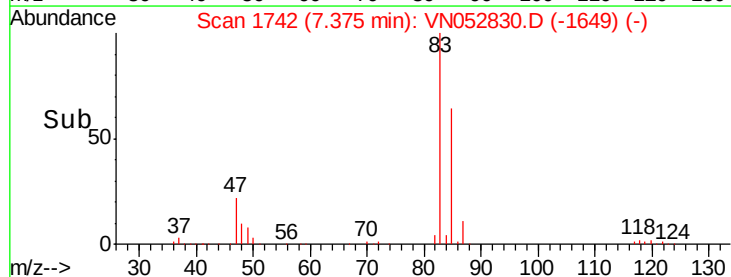
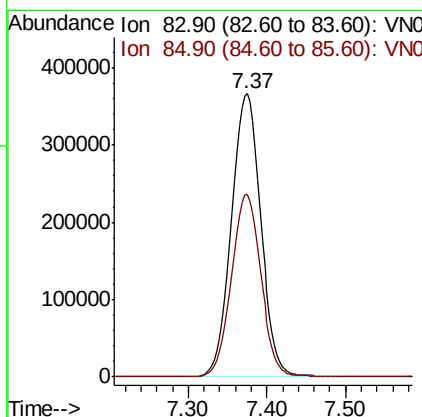
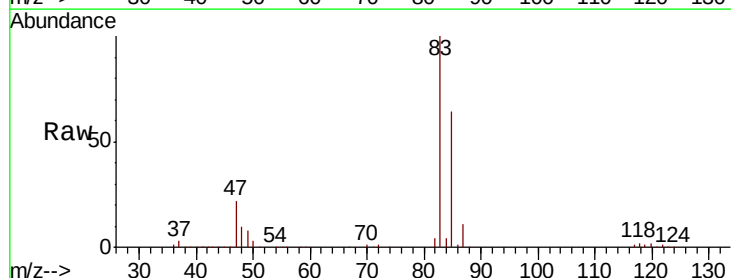
Manual Integrations
APPROVED

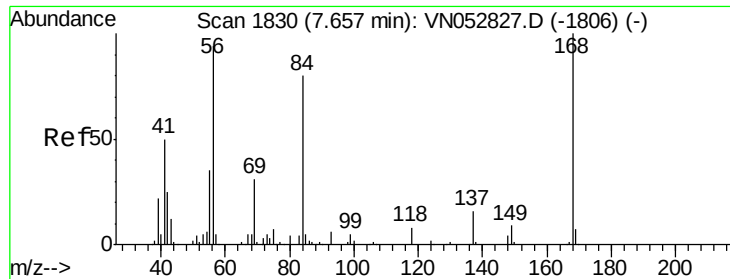
MMDadoda
12/13/2018 1:36:28 PM



#30
Chloroform
Concen: 48.163 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.1	78.1





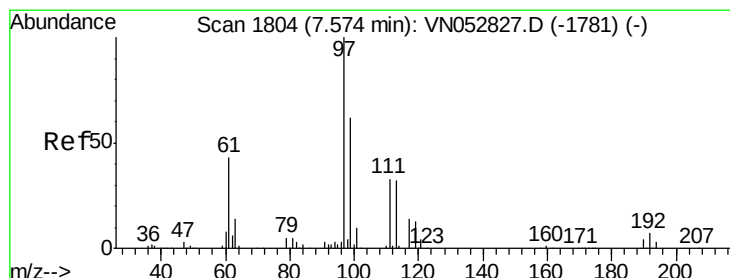
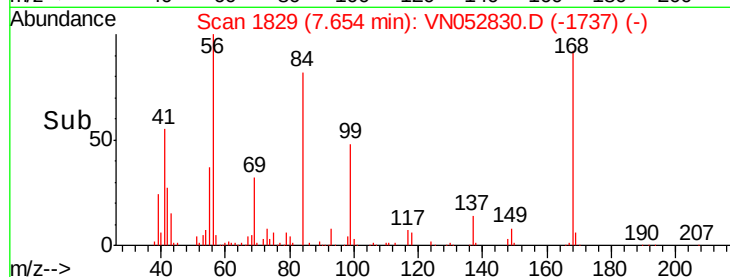
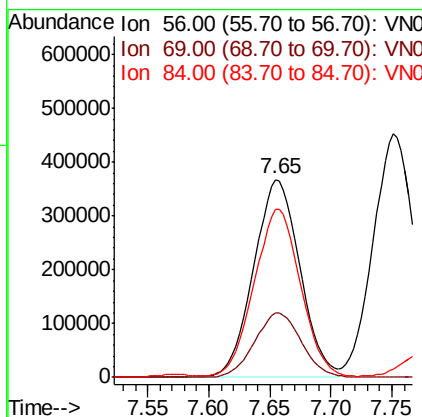
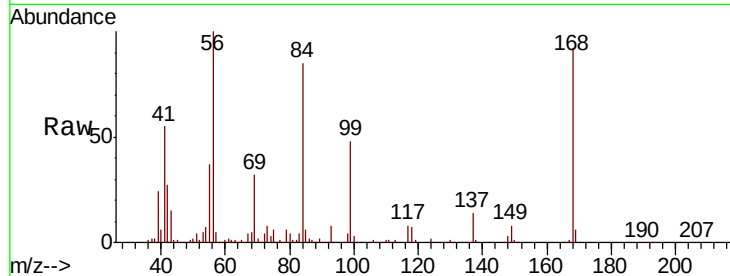
#31
Cyclohexane
Concen: 48.883 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.6	39.8
84	83.5	68.4	102.6

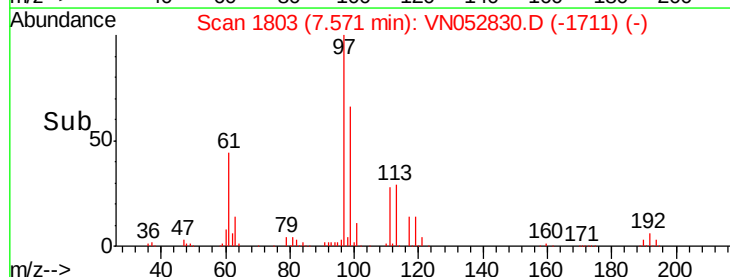
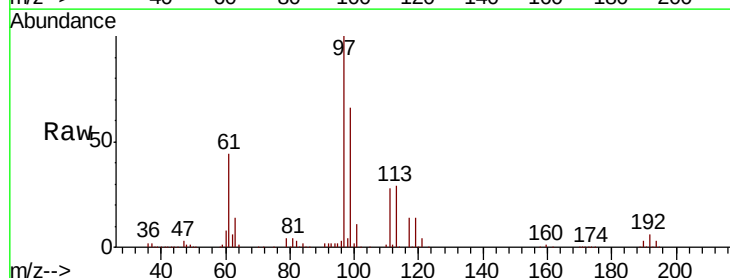
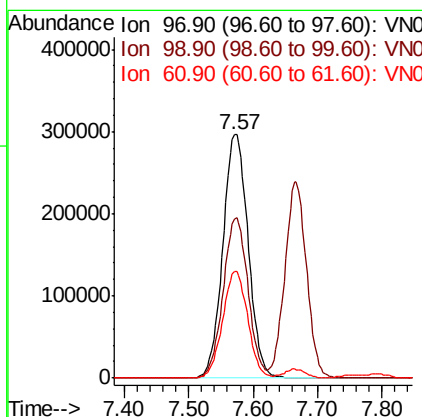
Manual Integrations
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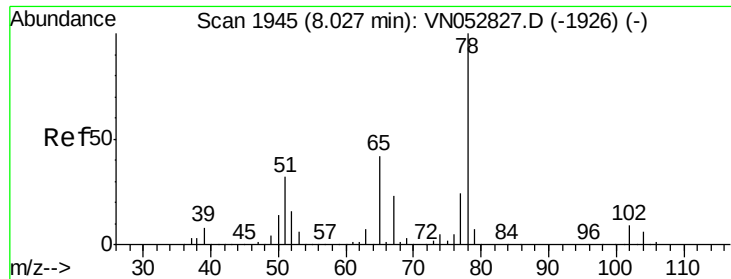
MMDadoda
12/13/2018 1:36:28 PM



#32
1,1,1-Trichloroethane
Concen: 48.732 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.1	76.7
61	43.4	35.0	52.6





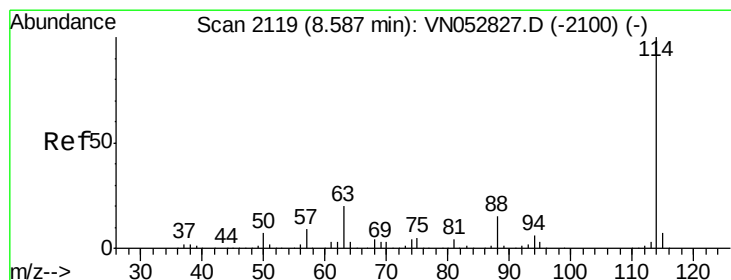
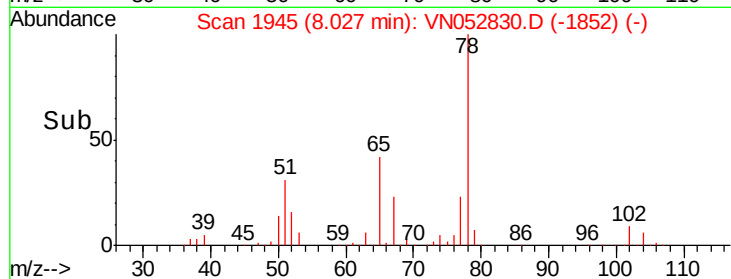
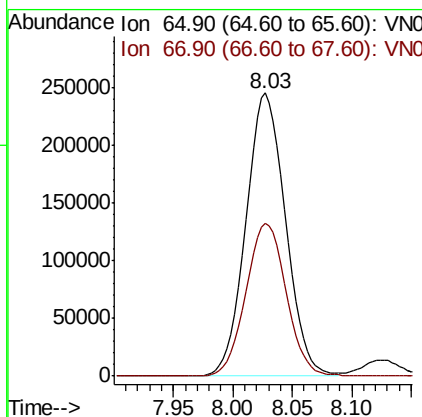
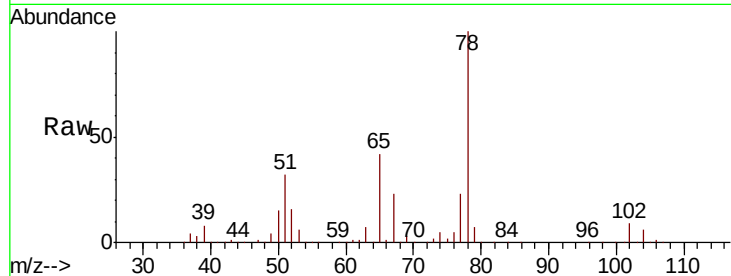
#33
 1,2-Dichloroethane-d4
 Concen: 48.732 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion: 65 Resp: 565263
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4

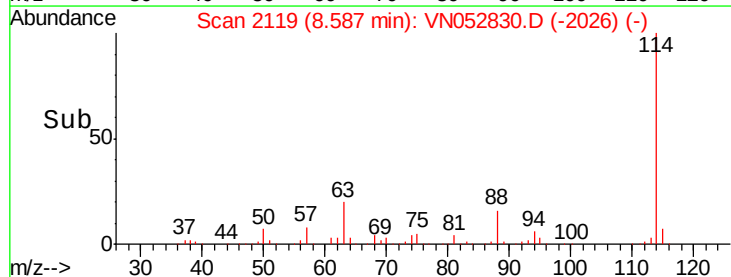
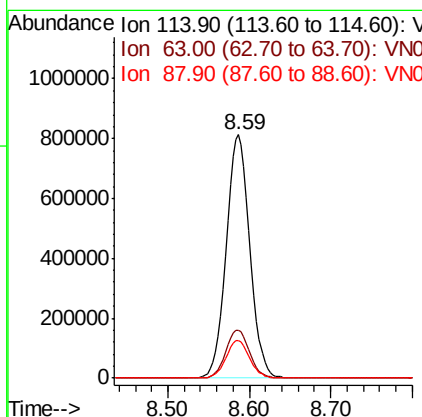
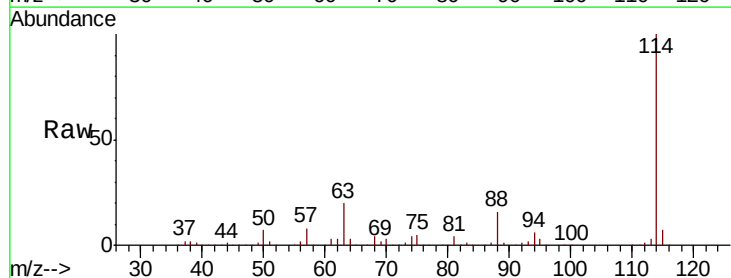
Manual Integrations
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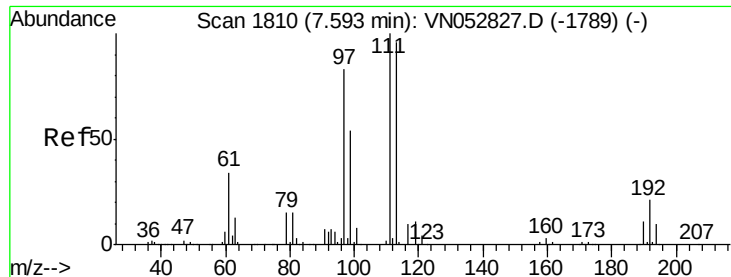
MMDadoda
 12/13/2018 1:36:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion: 114 Resp: 1652577
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.5 0.0 31.0





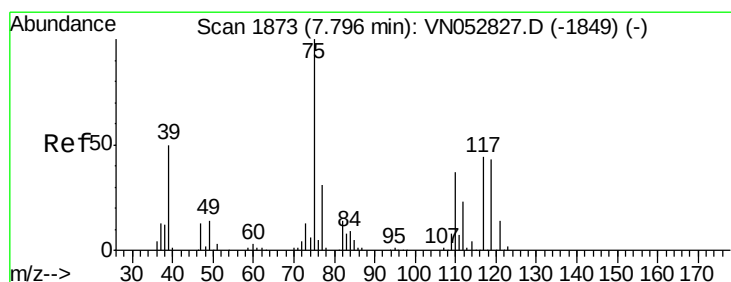
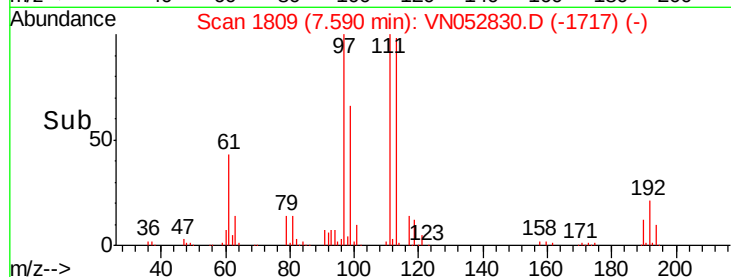
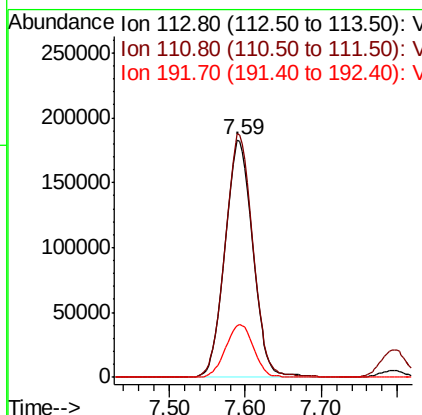
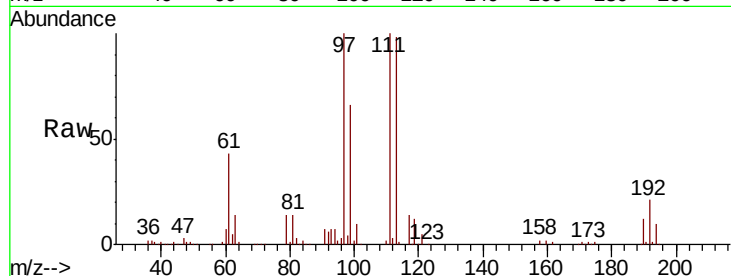
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Resp	Lower	Upper
113	100	466141		
111	102.3	83.0	124.4	
192	22.3	17.5	26.3	

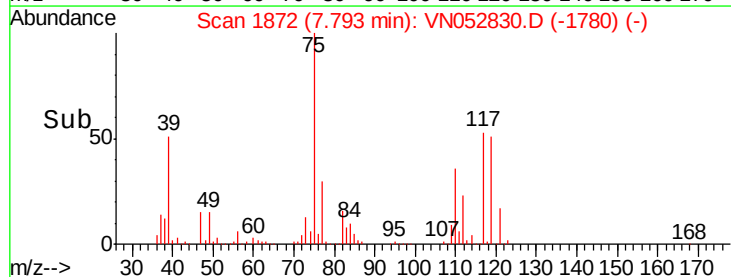
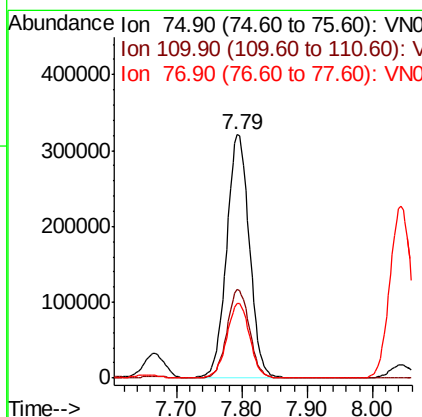
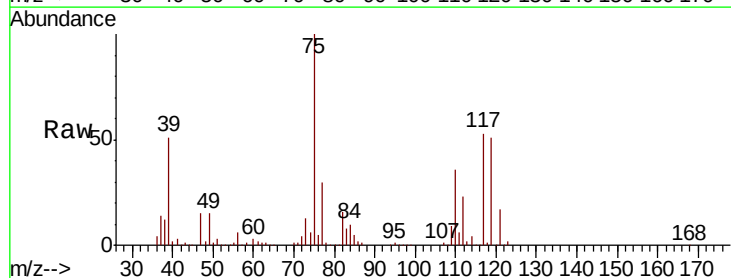
Manual Integrations
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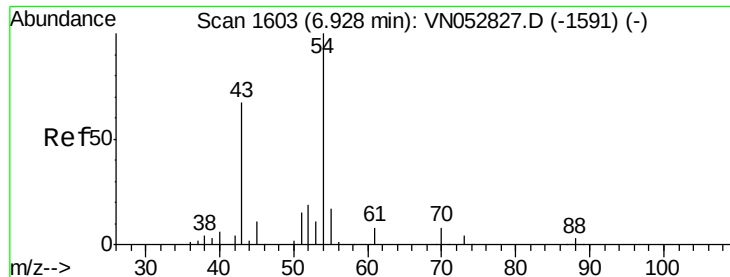
MMDadoda
12/13/2018 1:36:28 PM



#36
1,1-Dichloropropene
Concen: 50.890 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	774444		
110	35.8	18.2	54.6	
77	31.0	24.9	37.3	





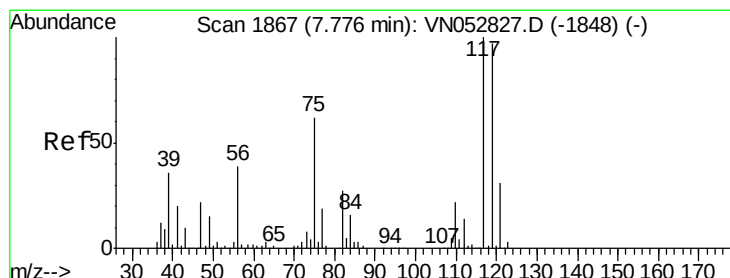
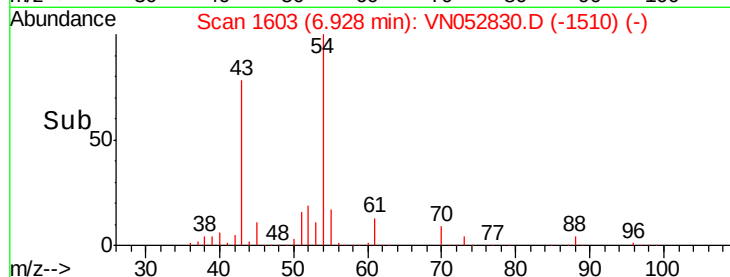
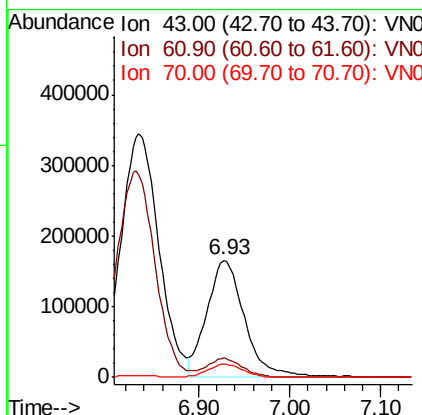
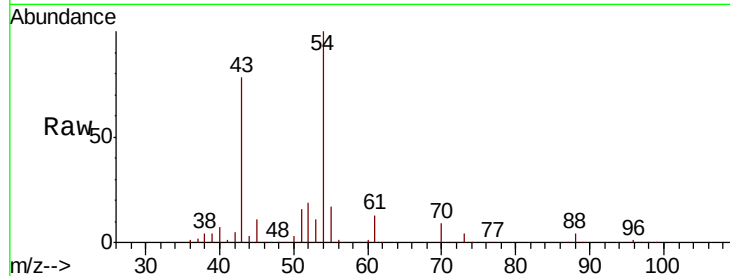
#37
Ethyl Acetate
Concen: 51.229 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	10.9	8.4	12.6

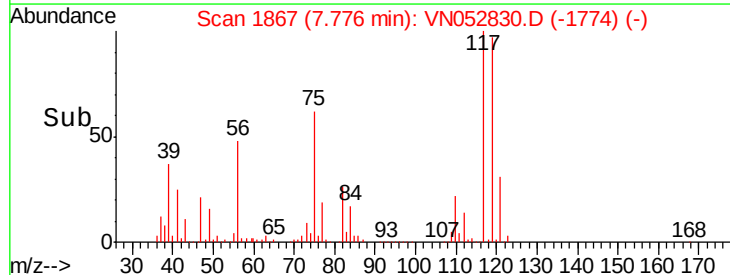
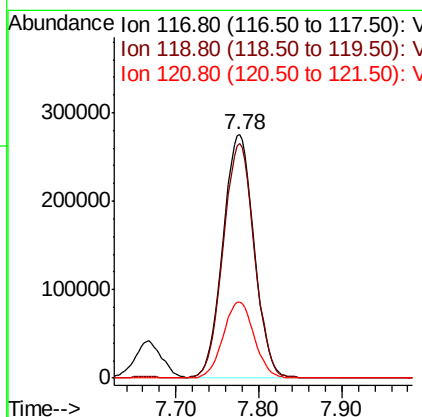
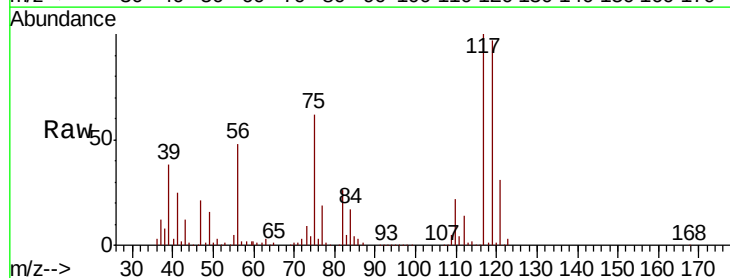
Manual Integrations
APPROVED

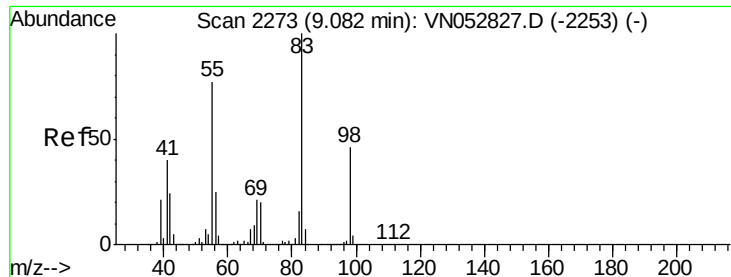
MMDadoda
12/13/2018 1:36:28 PM



#38
Carbon Tetrachloride
Concen: 51.274 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.1	115.7
121	31.3	24.9	37.3





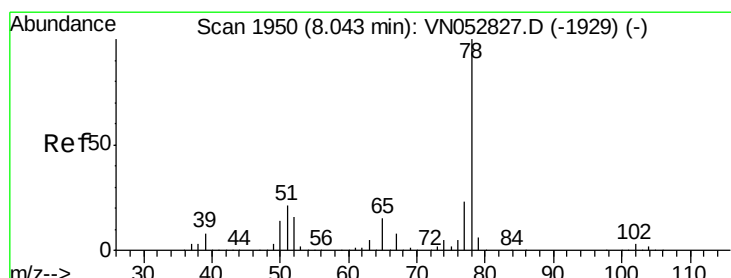
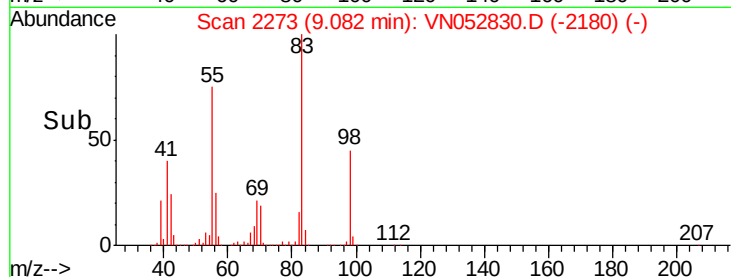
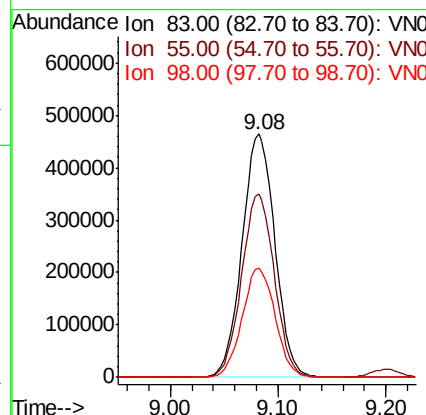
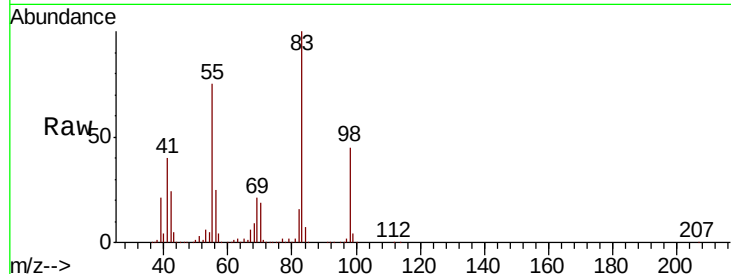
#39
Methylvlcyclohexane
Concen: 52.642 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	61.3	91.9
98	45.0	37.0	55.4

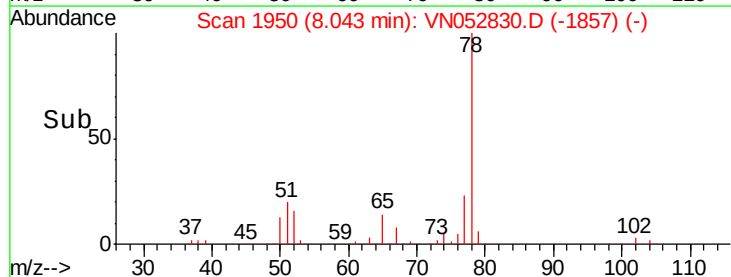
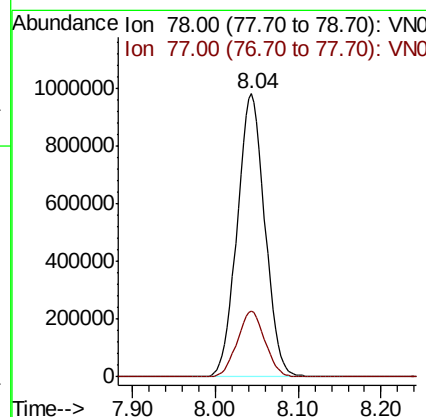
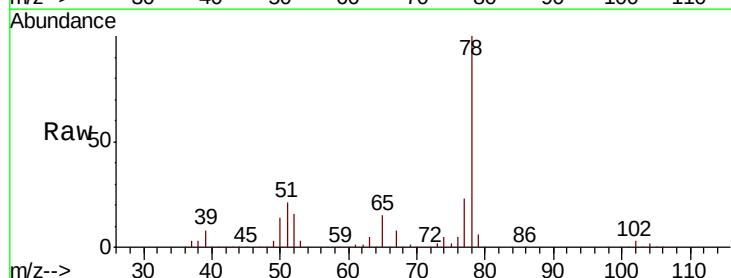
Manual Integrations
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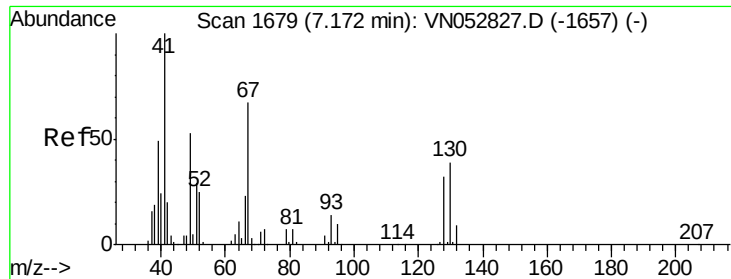
MMDadoda
12/13/2018 1:36:28 PM



#40
Benzene
Concen: 49.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.5	27.7





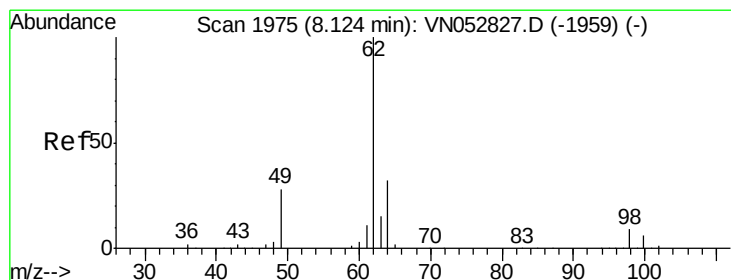
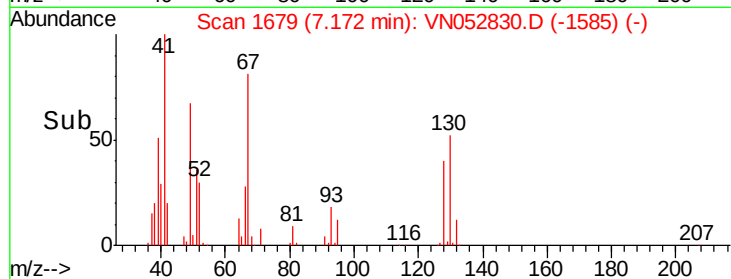
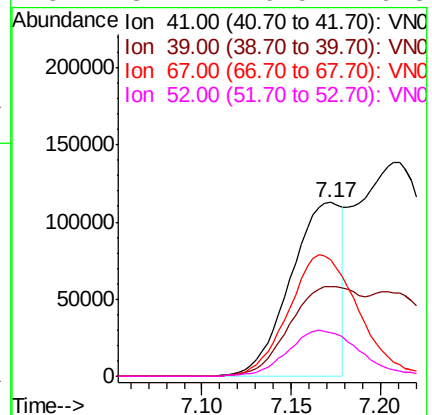
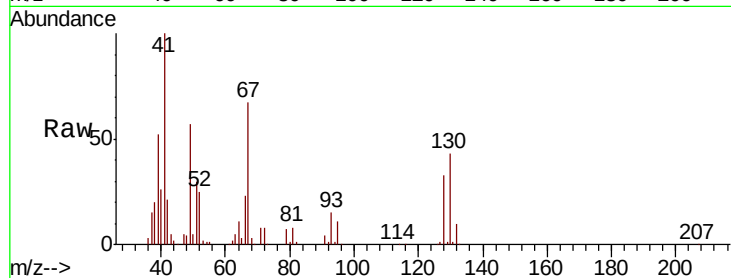
#41
Methacrylonitrile
Concen: 44.256 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		224172		
39	71.0	48.0	72.0		
67	95.9	70.3	105.5		
52	37.1	26.9	40.3		

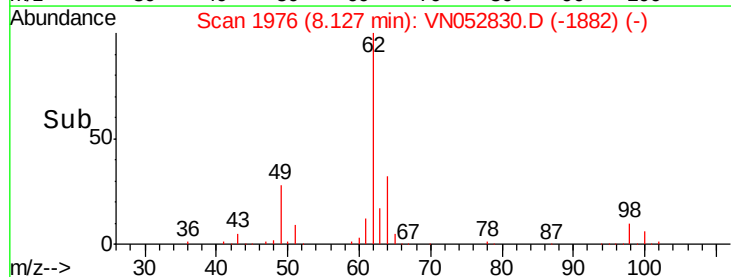
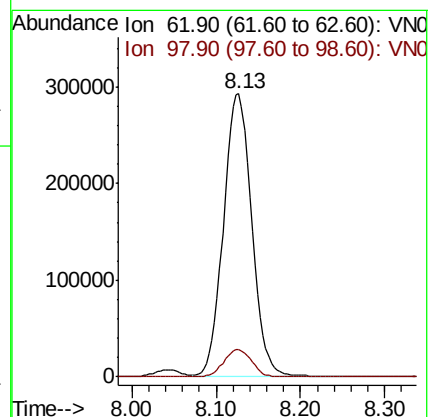
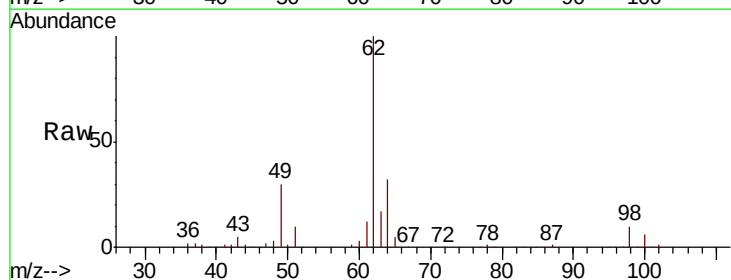
Manual Integrations
APPROVED

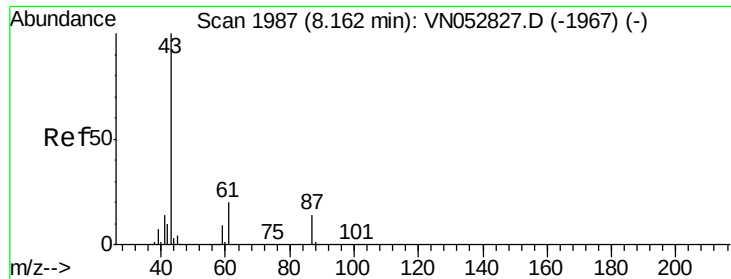
MMDadoda
12/13/2018 1:36:28 PM



#42
1,2-Dichloroethane
Concen: 49.604 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		682088		
98	9.6	0.0	19.0		





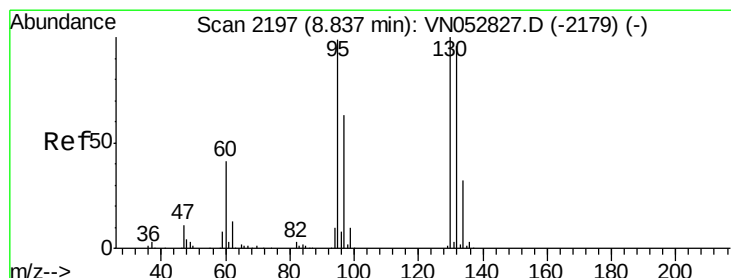
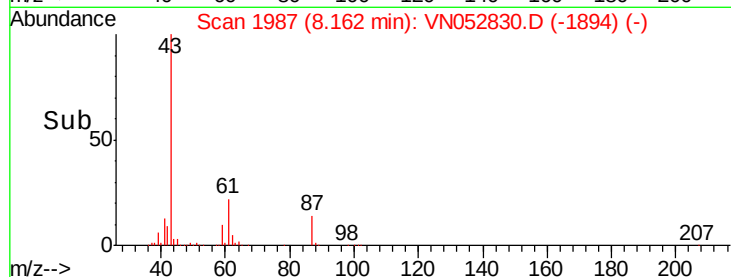
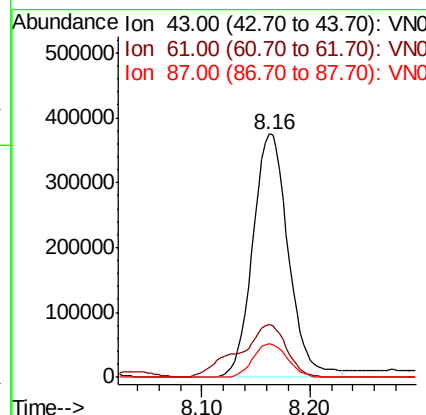
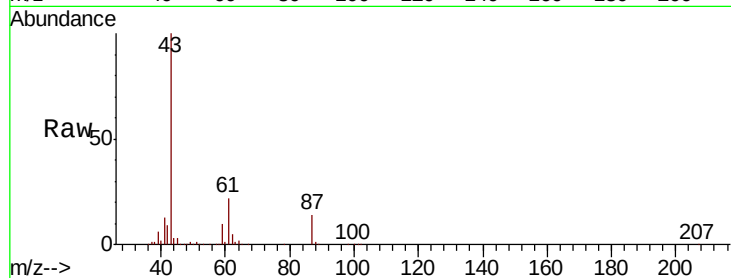
#43
Isopropyl Acetate
Concen: 45.678 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.9	34.3
87	13.5	10.6	15.8

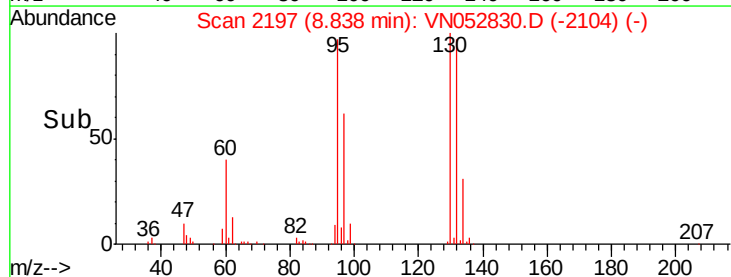
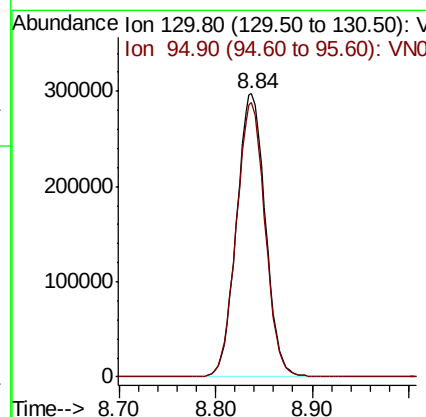
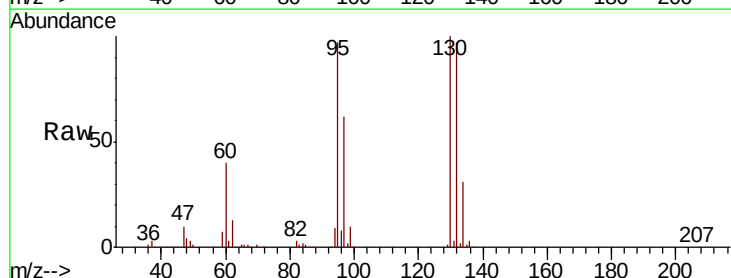
Manual Integrations
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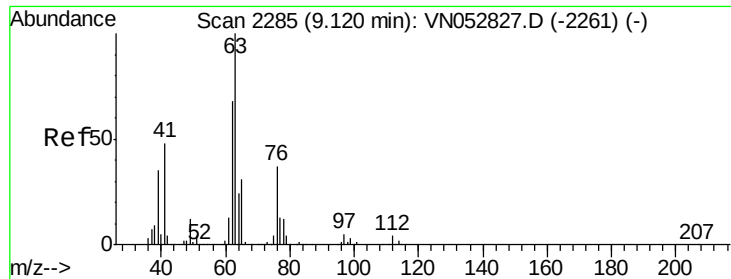
MMDadoda
12/13/2018 1:36:28 PM



#44
Trichloroethene
Concen: 49.818 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	197.8





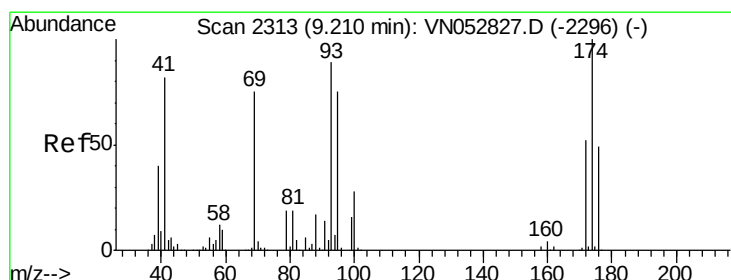
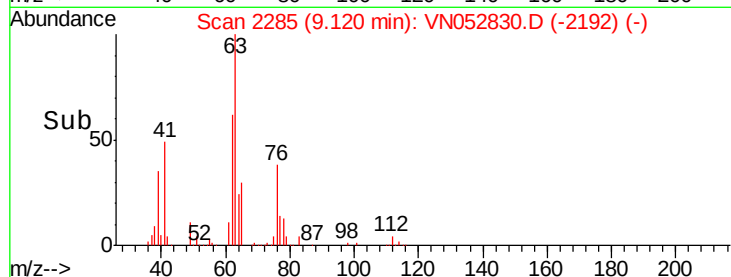
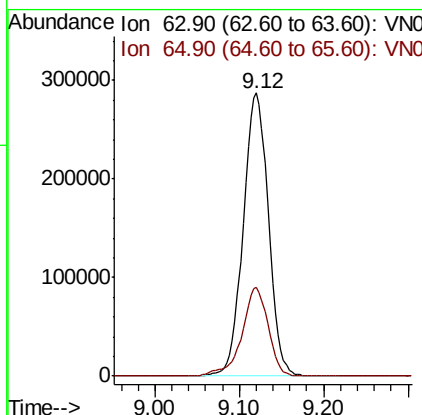
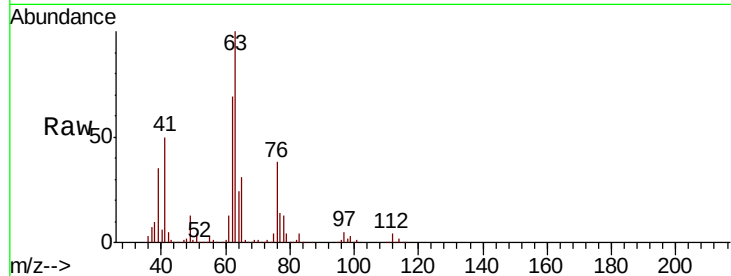
#45
 1,2-Dichloropropane
 Concen: 49.970 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion: 63 Resp: 597814
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0

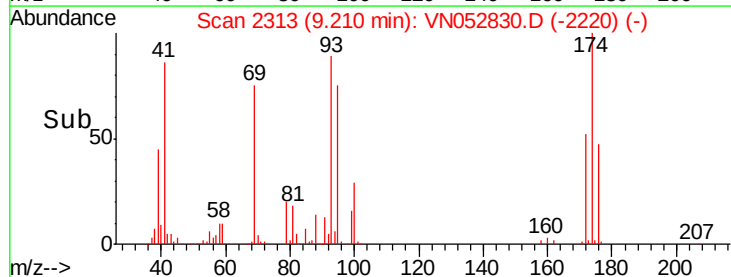
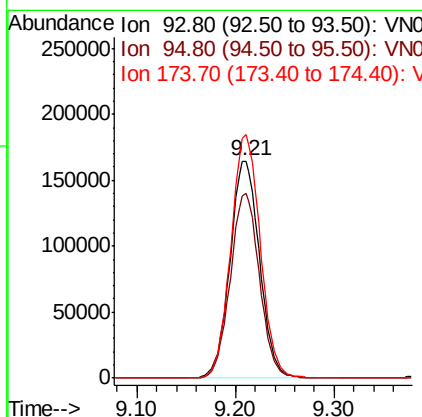
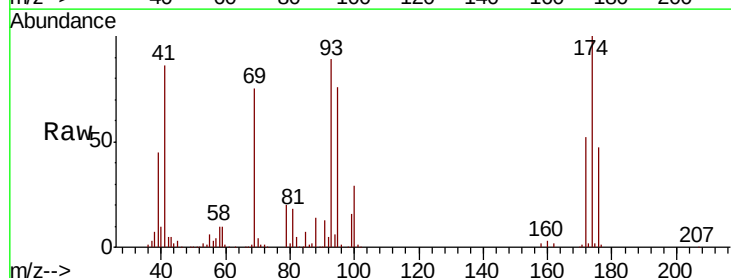
Manual Integrations
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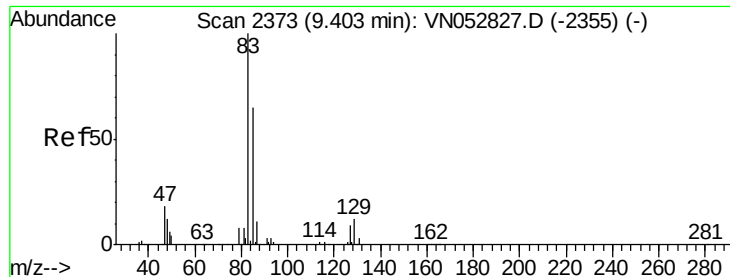
MMDadoda
 12/13/2018 1:36:28 PM



#46
 Dibromomethane
 Concen: 49.395 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion: 93 Resp: 342707
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.8 101.6
 174 111.6 89.0 133.4





#47

Bromodichloromethane

Concen: 50.326 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

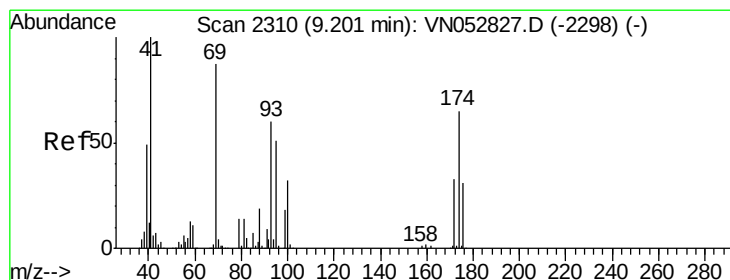
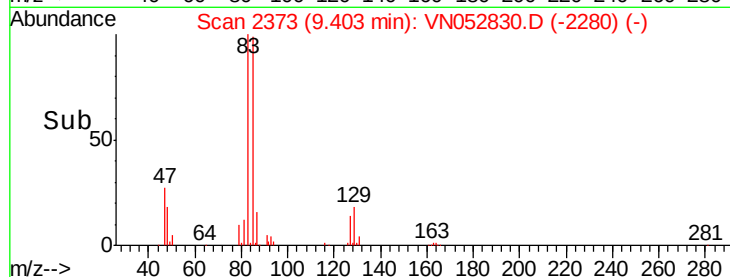
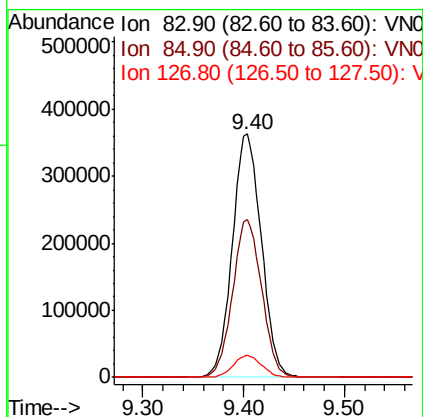
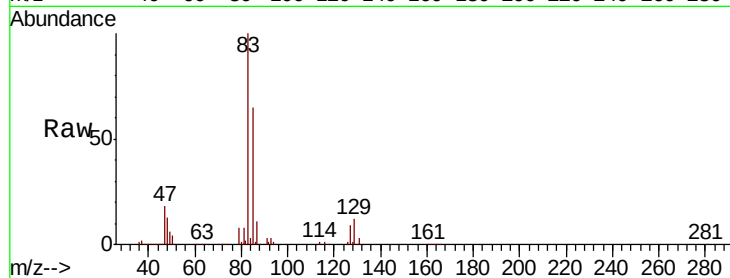
ClientSampleId :

ICVVN121218

Tot Ion:	83	Resp:	724067
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.6	77.4
127	8.8	7.1	10.7

Manual Integrations
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MMDadoda
12/13/2018 1:36:28 PM



#48

Methyl methacrylate

Concen: 52.583 ug/l

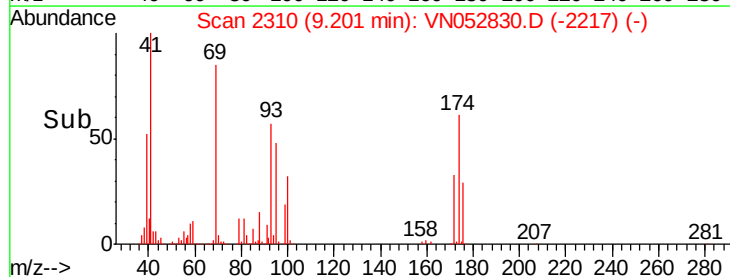
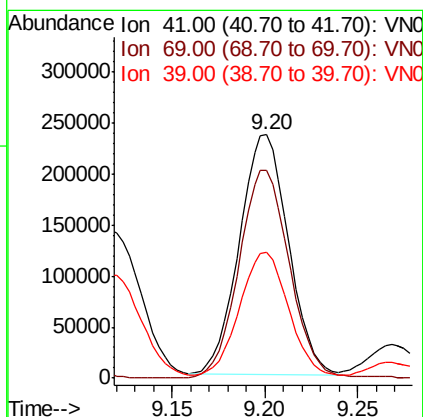
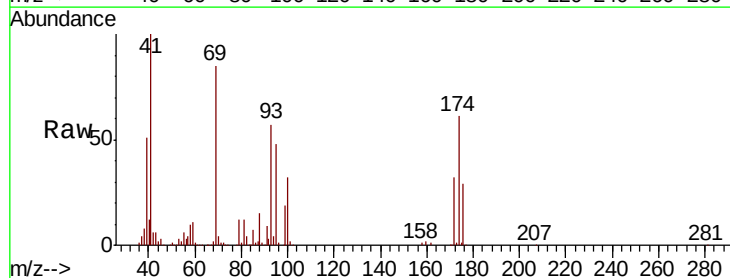
RT: 9.20 min Scan# 2310

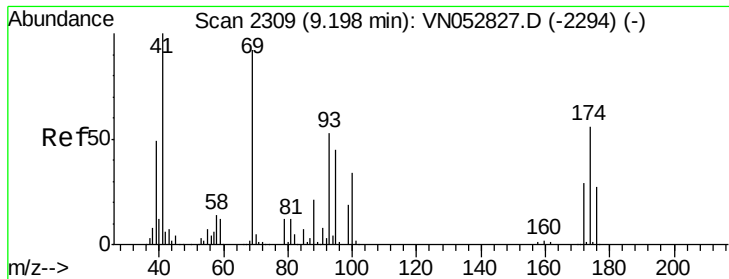
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion:	41	Resp:	432229
Ion Ratio	Lower	Upper	
41	100		
69	89.1	72.2	108.2
39	53.1	41.9	62.9





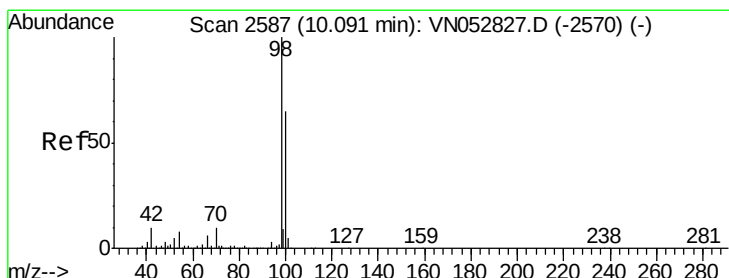
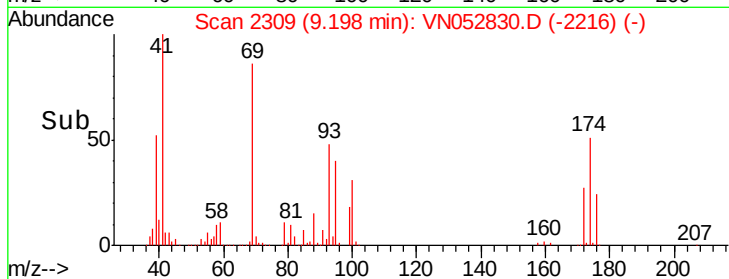
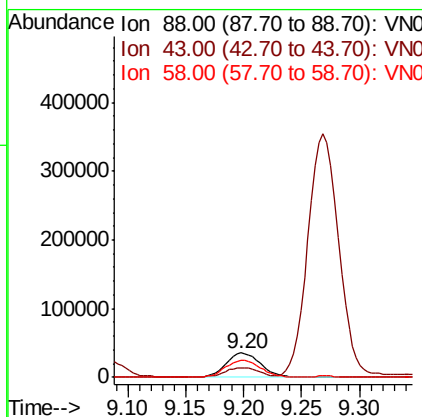
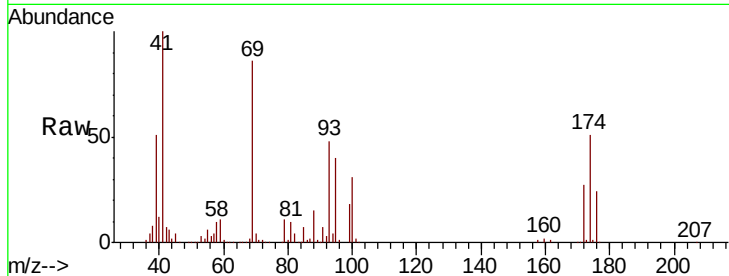
#49
1,4-Dioxane
Concen: 788.195 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	26.6	40.0
58	70.6	58.4	87.6

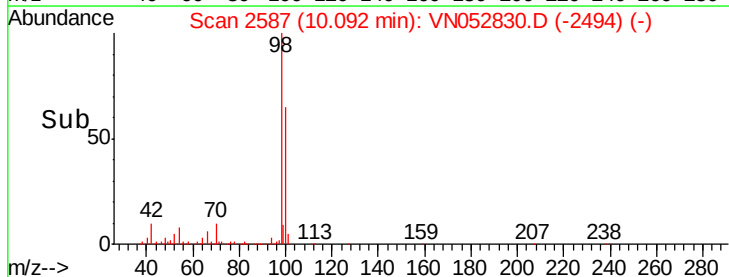
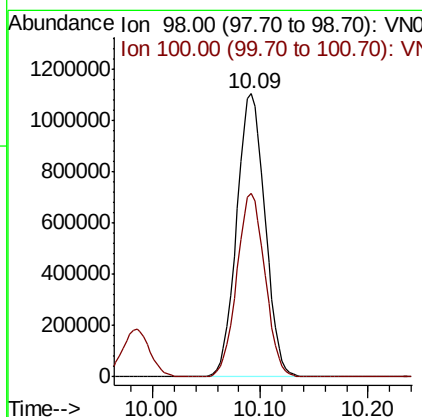
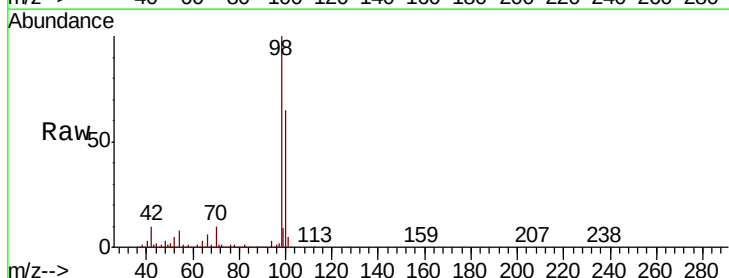
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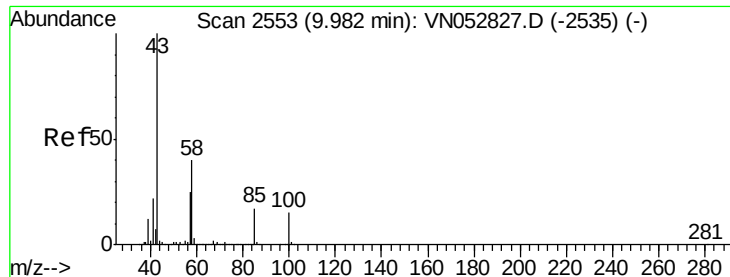
MMDadoda
12/13/2018 1:36:28 PM



#50
Toluene-d8
Concen: 788.195 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





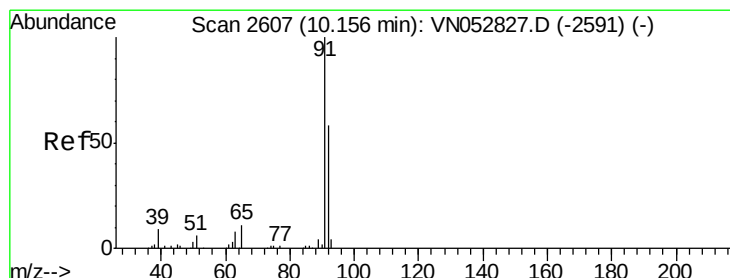
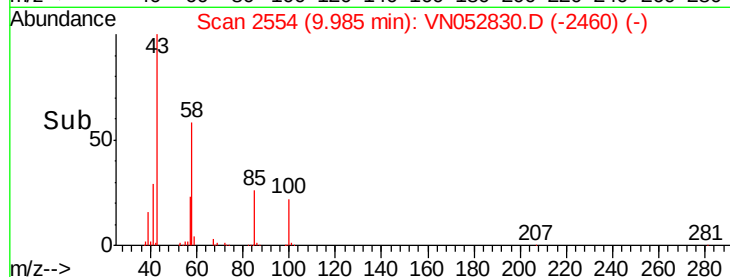
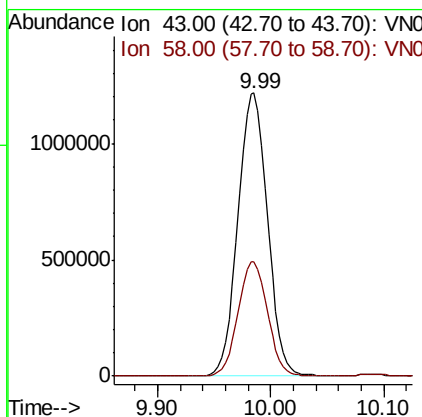
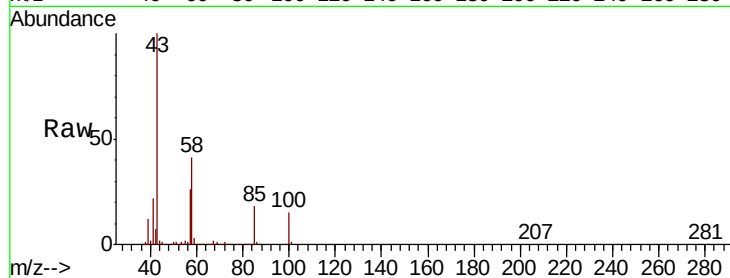
#51
4-Methyl-2-Pentanone
Concen: 258.184 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion: 43 Resp: 2219034
Ion Ratio Lower Upper
43 100
58 40.3 32.2 48.4

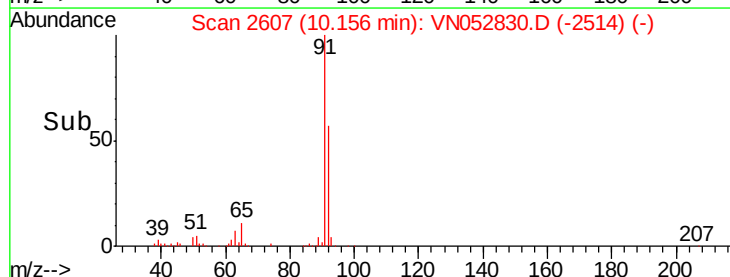
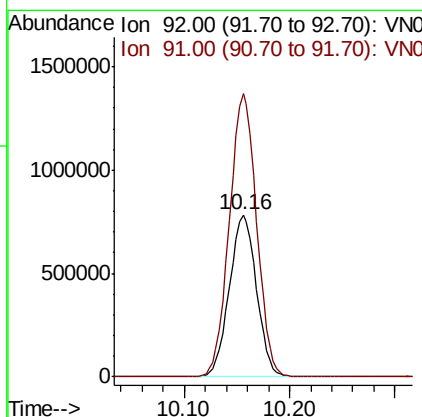
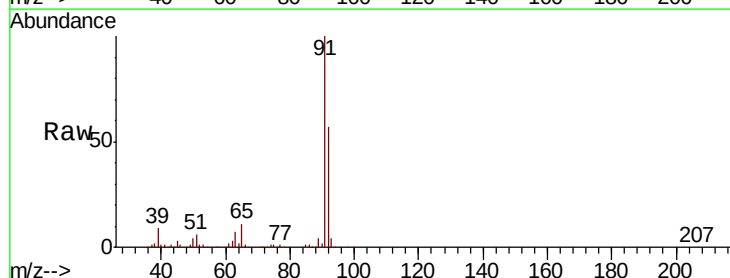
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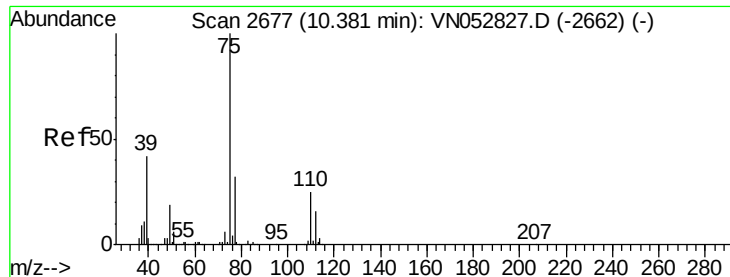
MMDadoda
12/13/2018 1:36:28 PM



#52
Toluene
Concen: 50.286 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion: 92 Resp: 1391093
Ion Ratio Lower Upper
92 100
91 175.8 139.8 209.6





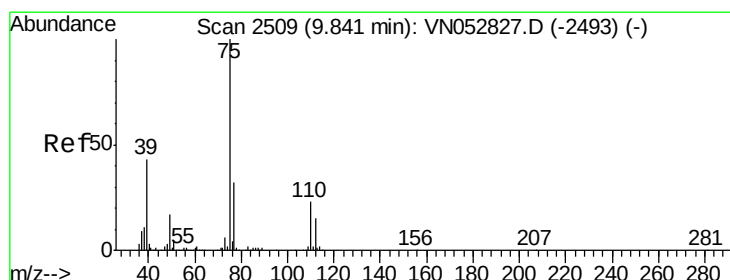
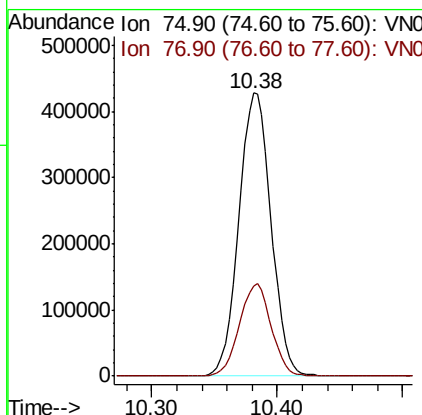
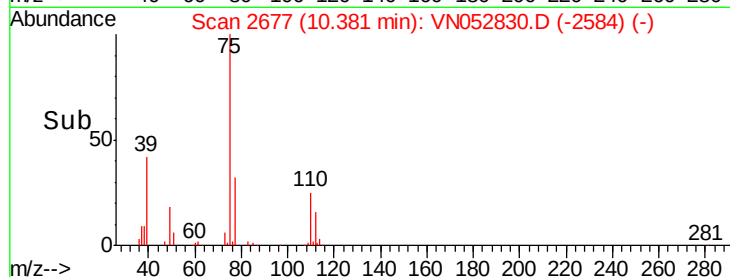
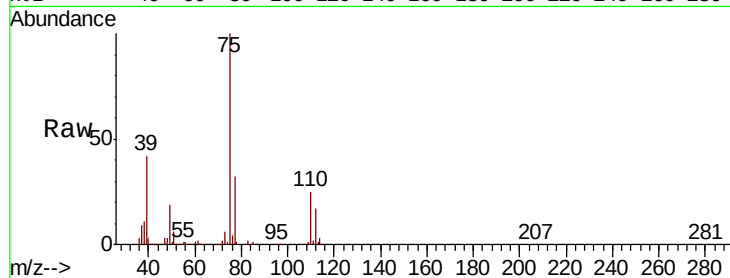
#53
t-1,3-Dichloropropene
Concen: 52.729 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.6	38.4

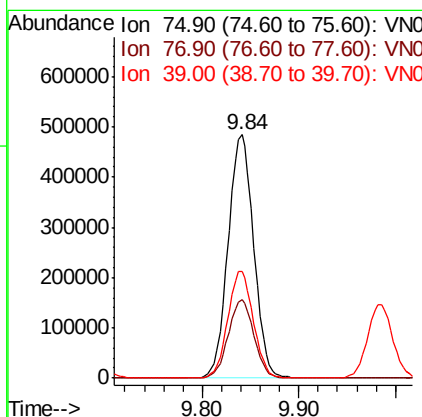
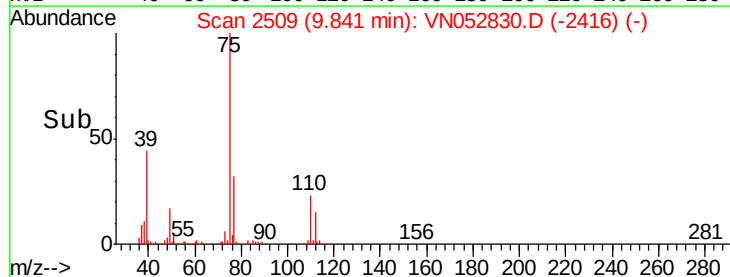
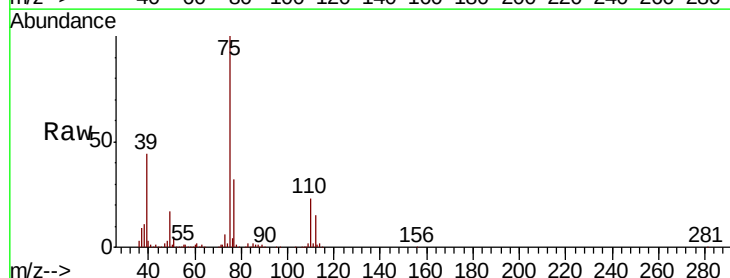
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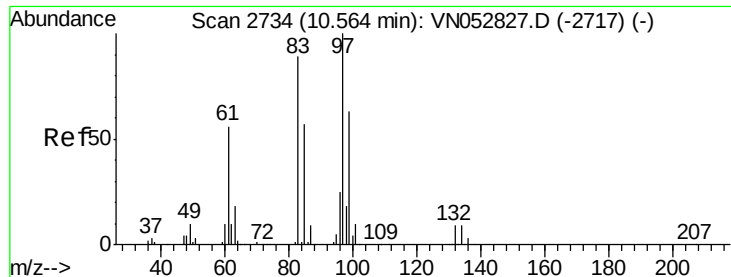
MMDadoda
12/13/2018 1:36:28 PM



#54
cis-1,3-Dichloropropene
Concen: 51.536 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.8
39	43.9	34.8	52.2





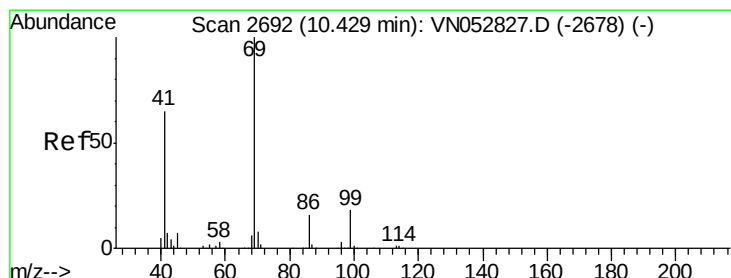
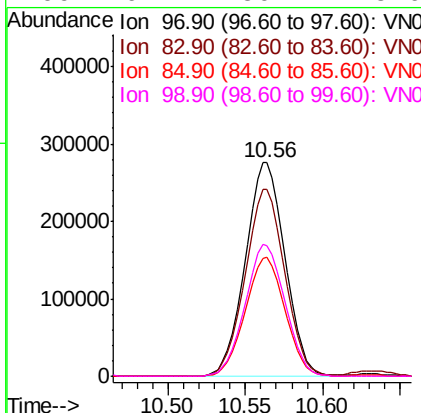
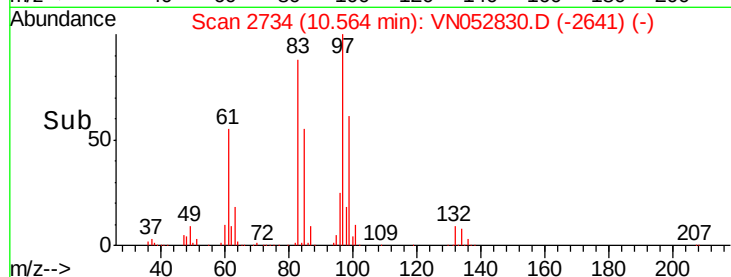
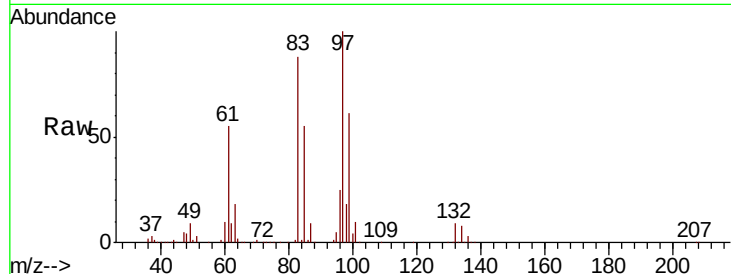
#55
 1,1,2-Trichloroethane
 Concen: 49.871 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.6	70.9	106.3	
85	55.5	45.4	68.2	
99	61.2	50.4	75.6	

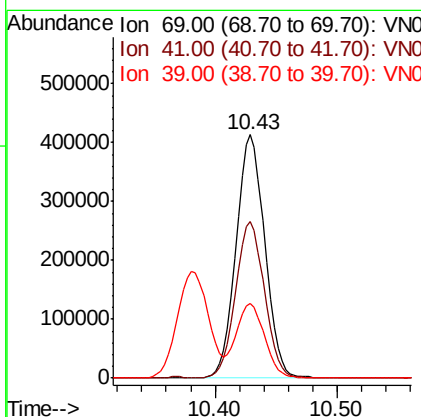
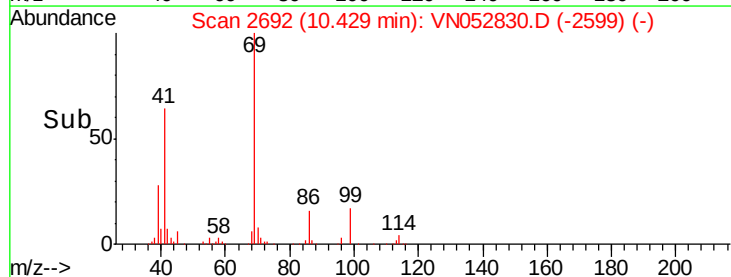
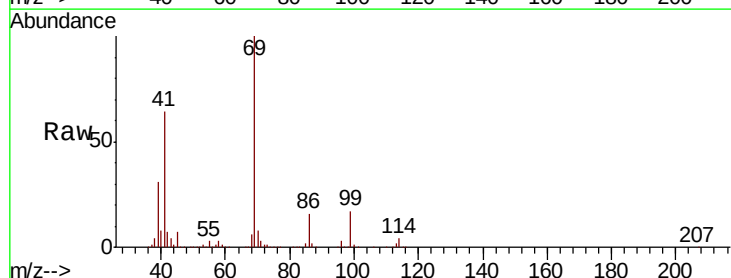
Manual Integrations
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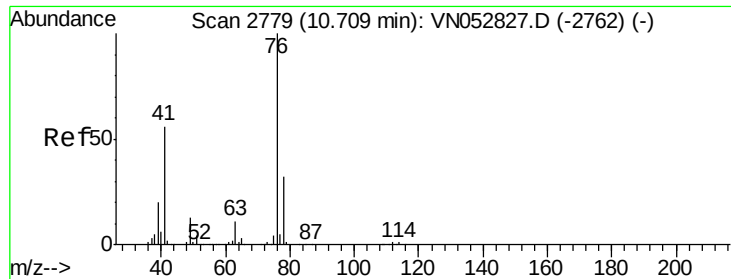
MMDadoda
 12/13/2018 1:36:28 PM



#56
 Ethyl methacrylate
 Concen: 52.998 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	64.4	51.7	77.5	
39	30.6	24.6	37.0	





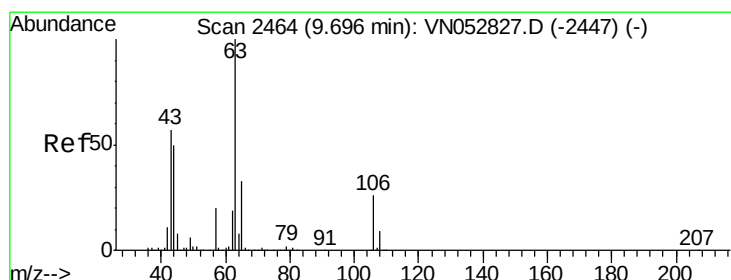
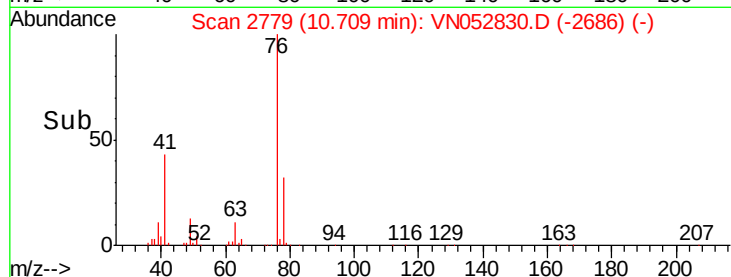
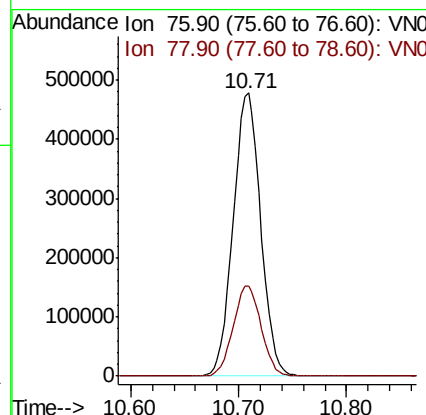
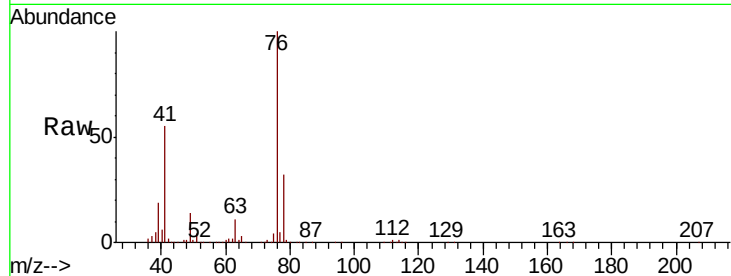
#57
 1,3-Dichloropropane
 Concen: 50.176 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

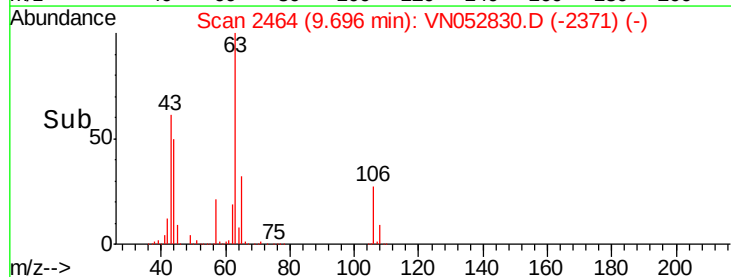
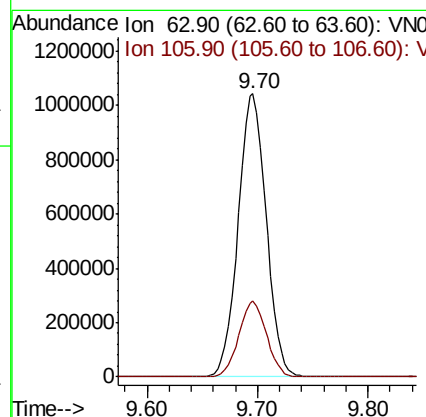
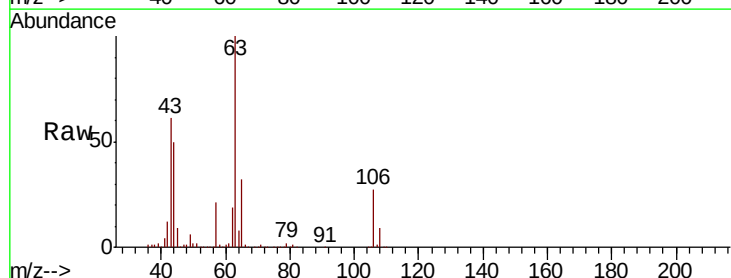
Manual Integrations
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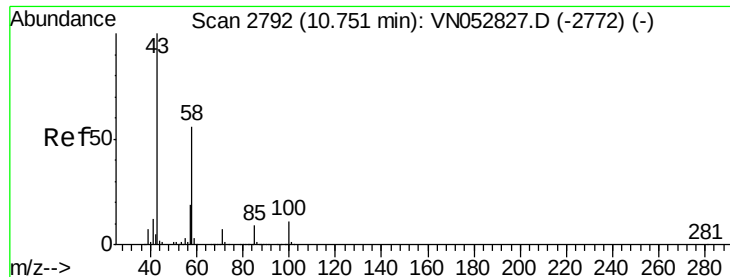
MMDadoda
 12/13/2018 1:36:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.877 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.0	31.6





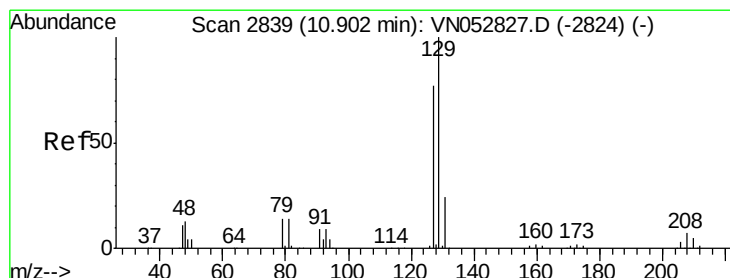
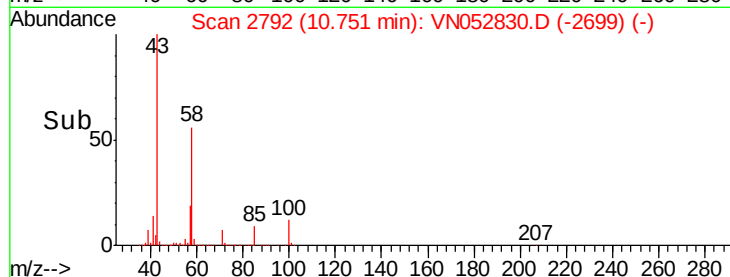
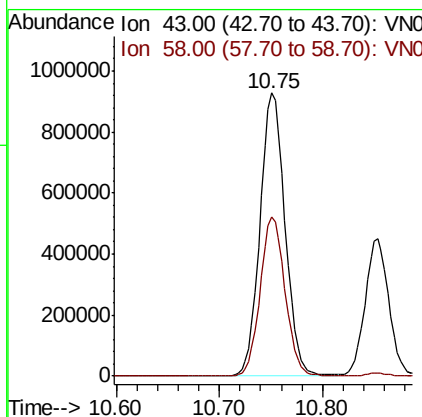
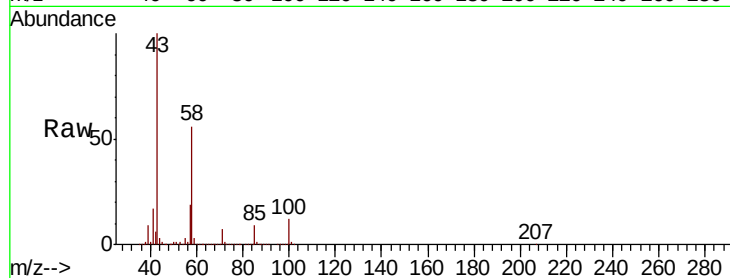
#59
2-Hexanone
Concen: 264.121 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion: 43 Resp: 1555712
Ion Ratio Lower Upper
43 100
58 56.0 28.1 84.3

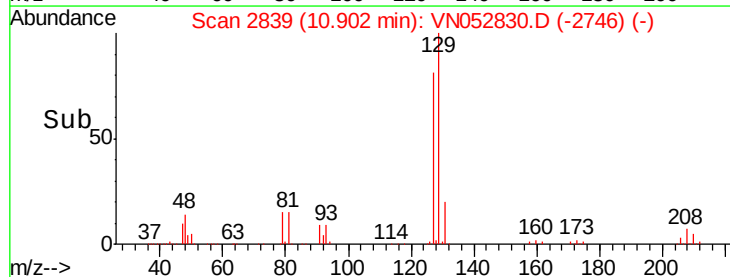
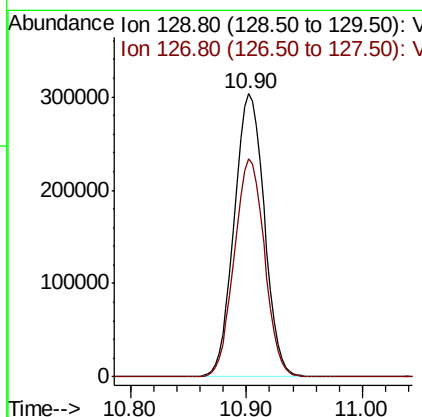
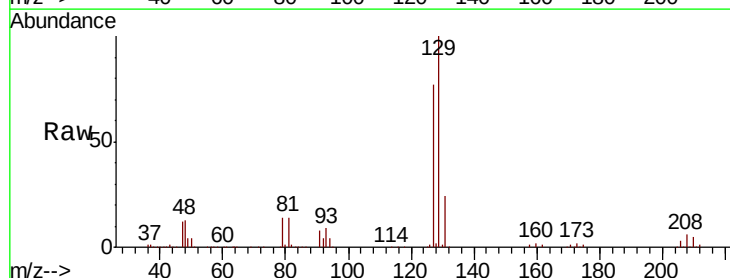
Manual Integrations
APPROVED

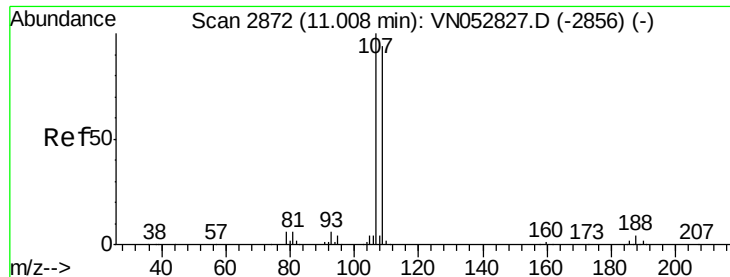
MMDadoda
12/13/2018 1:36:28 PM



#60
Dibromochloromethane
Concen: 51.363 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion: 129 Resp: 548182
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 51.144 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion: 107 Resp: 499223

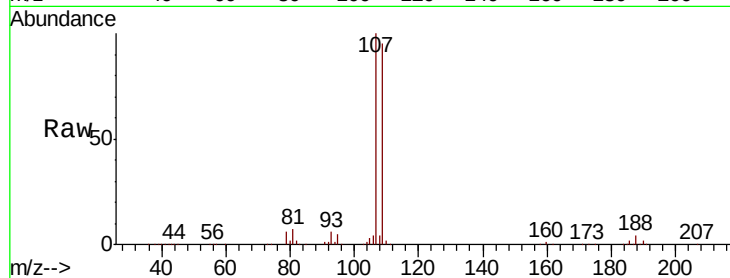
Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

300000

250000

200000

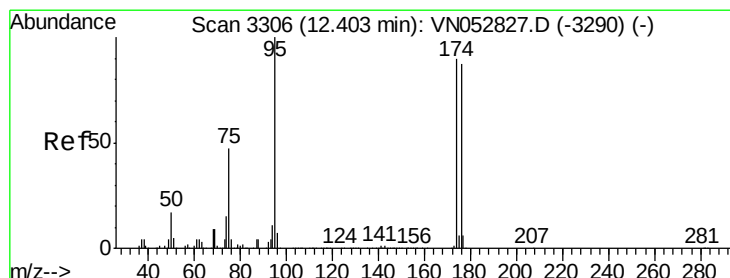
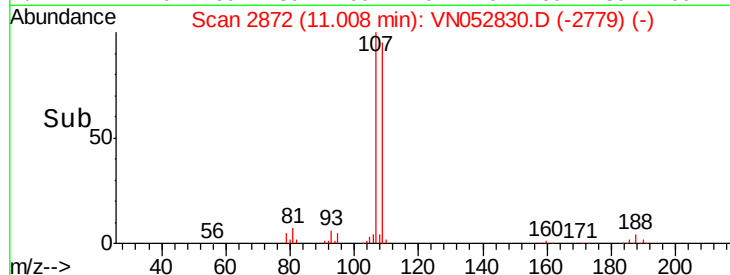
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.144 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

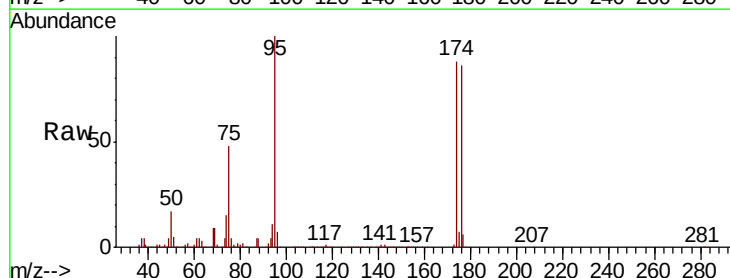
Tgt Ion: 95 Resp: 702384

Ion Ratio Lower Upper

95 100

174 88.1 0.0 178.8

176 86.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

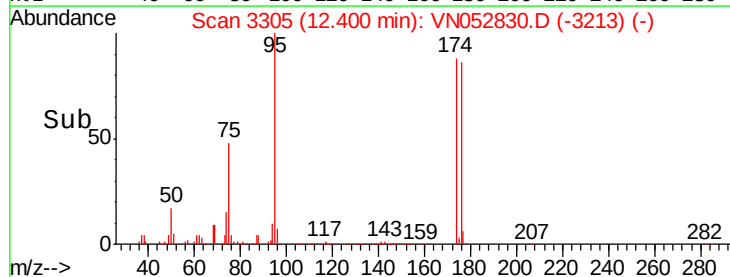
300000

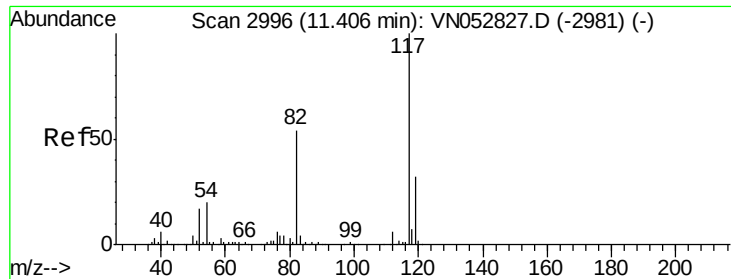
200000

100000

0

Time--> 12.35 12.40 12.45





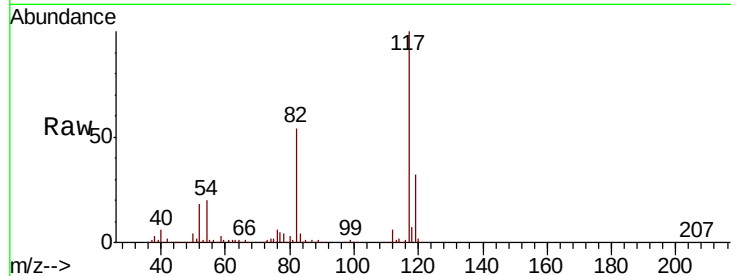
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

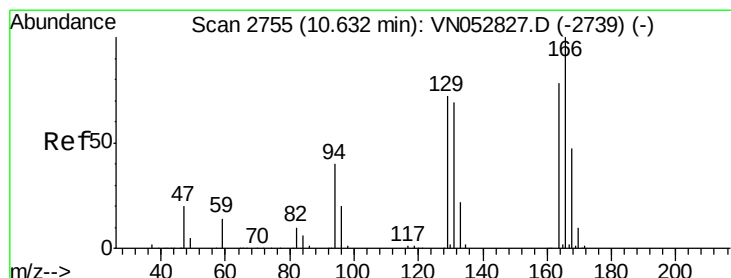
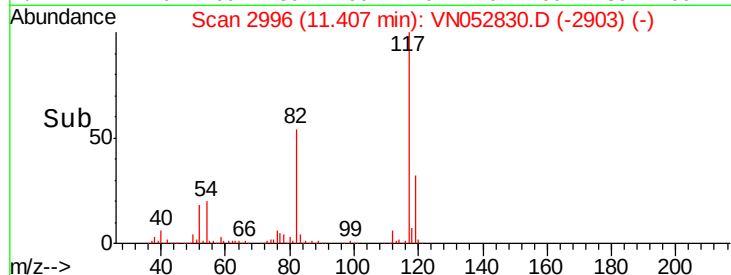
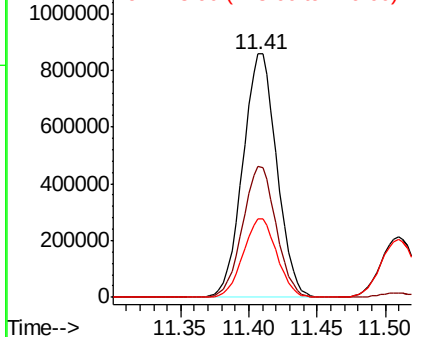
Tot Ion:117 Resp: 1477066
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.3 25.5 38.3

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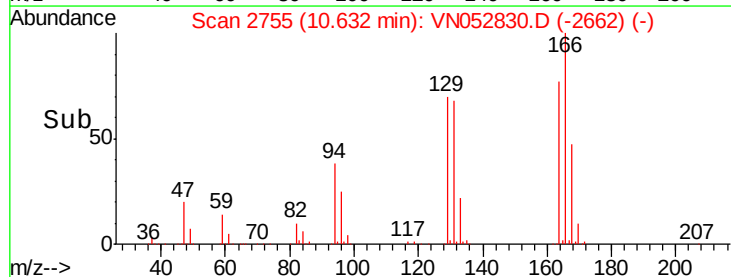
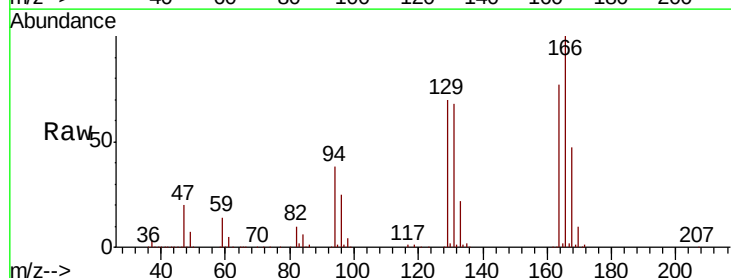
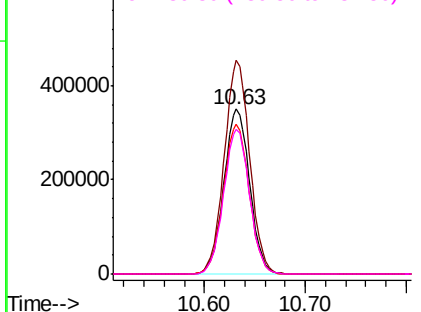
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

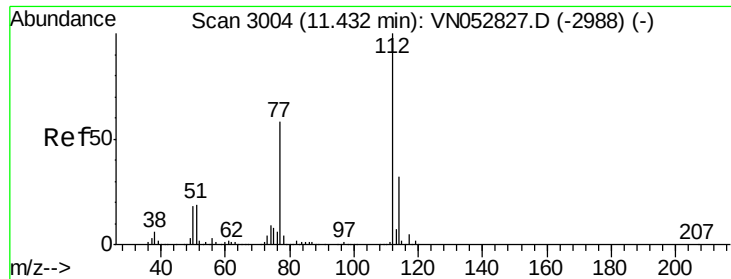


#64
Tetrachloroethene
Concen: 49.132 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion:164 Resp: 623726
Ion Ratio Lower Upper
164 100
166 129.7 102.9 154.3
129 90.7 73.7 110.5
131 88.1 70.7 106.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





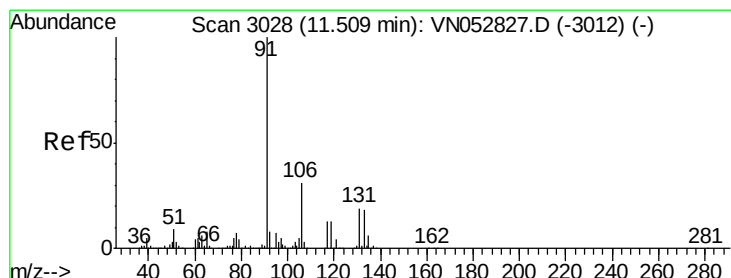
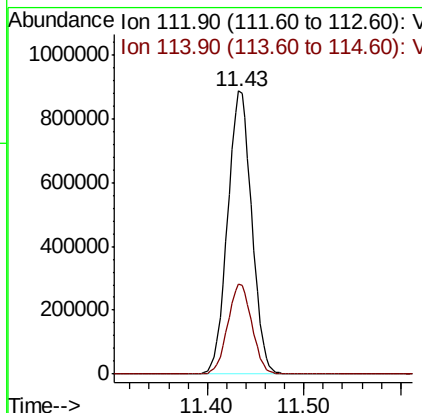
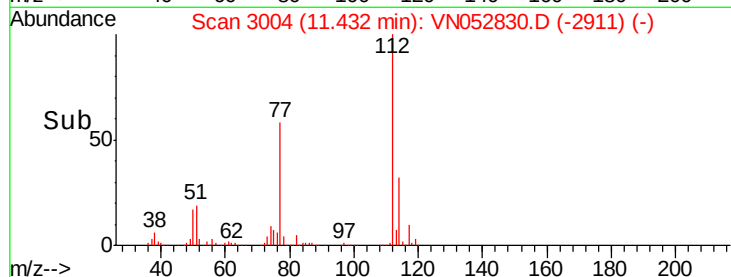
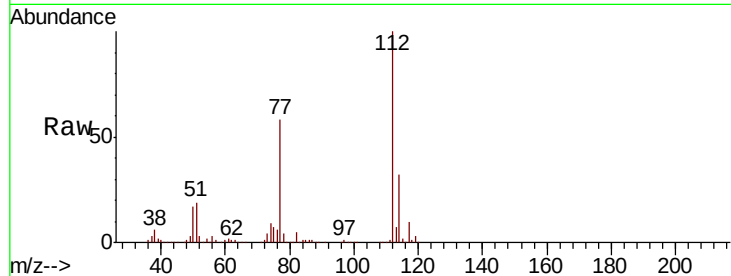
#65
Chlorobenzene
Concen: 49.971 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion:112 Resp: 1531293
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3

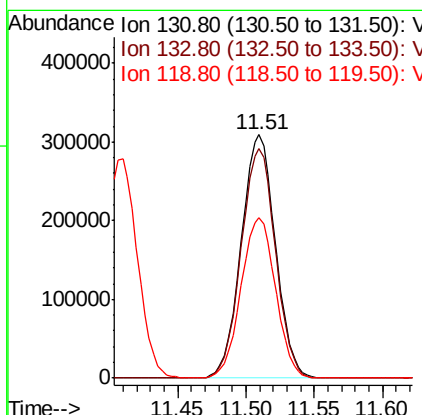
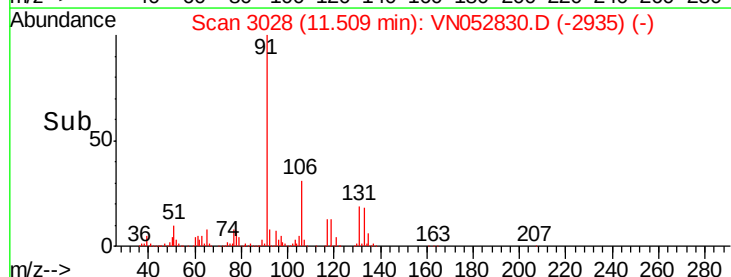
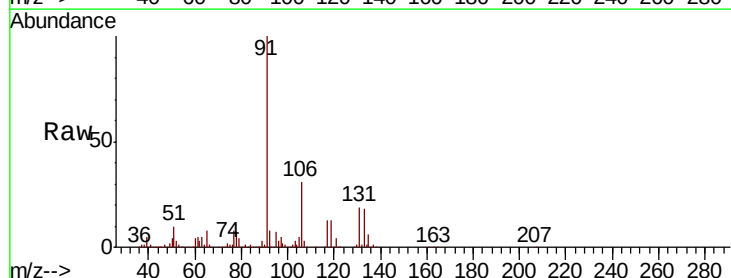
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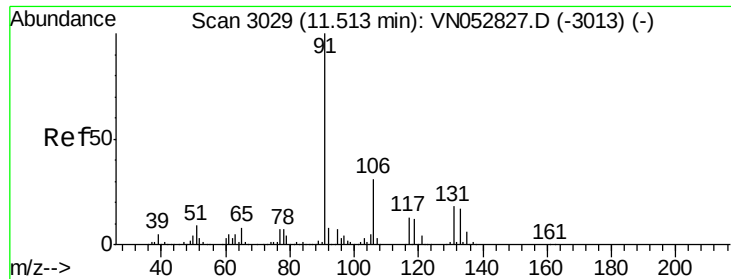
MMDadoda
12/13/2018 1:36:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.373 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion:131 Resp: 536850
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.7 33.3 99.8





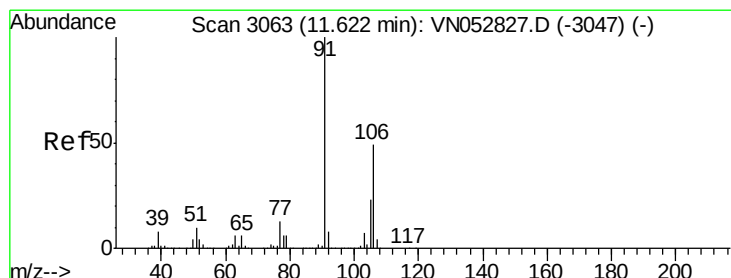
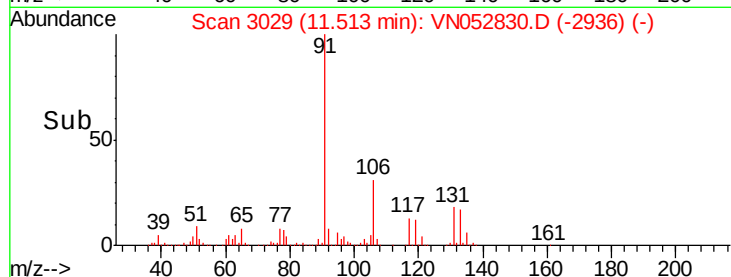
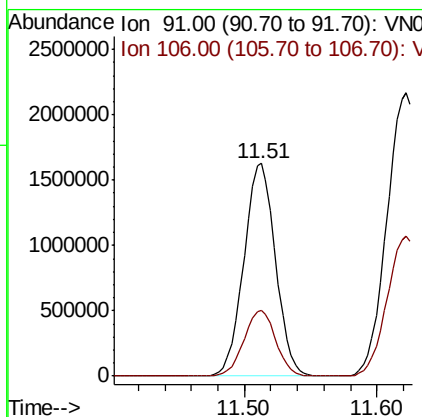
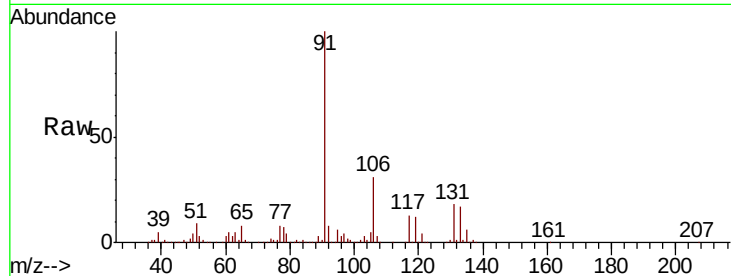
#67
Ethyl Benzene
Concen: 51.087 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion: 91 Resp: 2688440
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

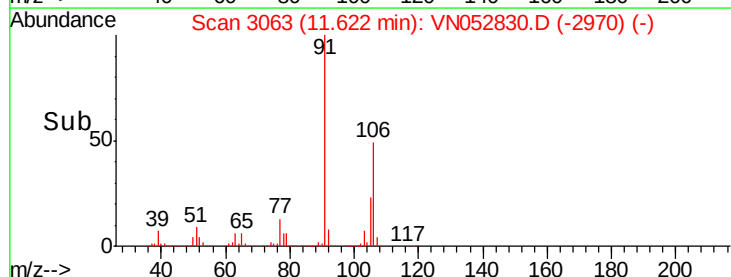
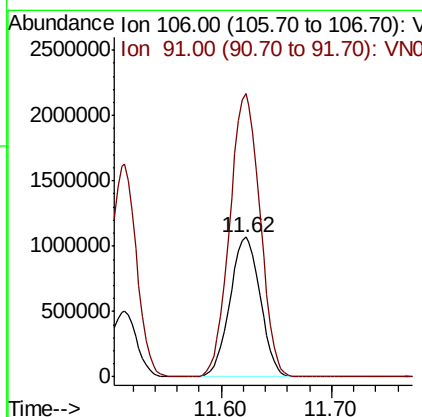
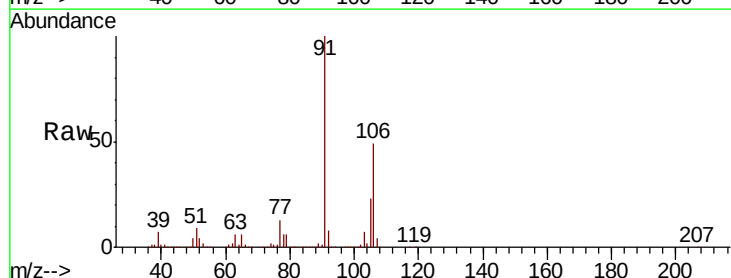
Manual Integrations
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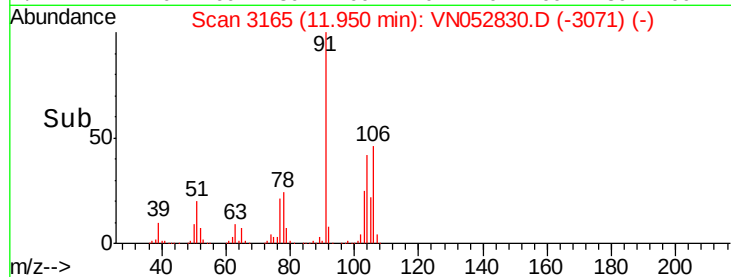
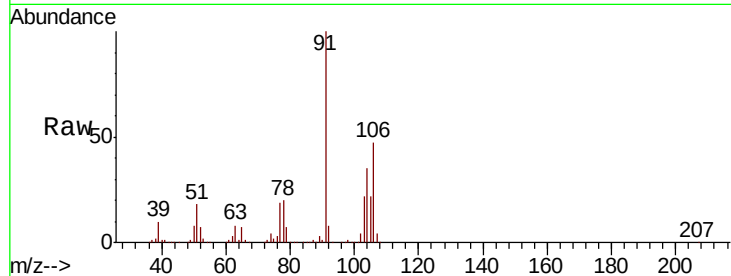
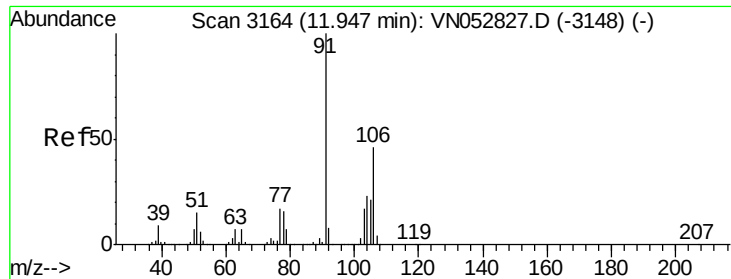
MMDadoda
12/13/2018 1:36:28 PM



#68
m/p-Xylenes
Concen: 103.120 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion: 106 Resp: 2037660
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.4





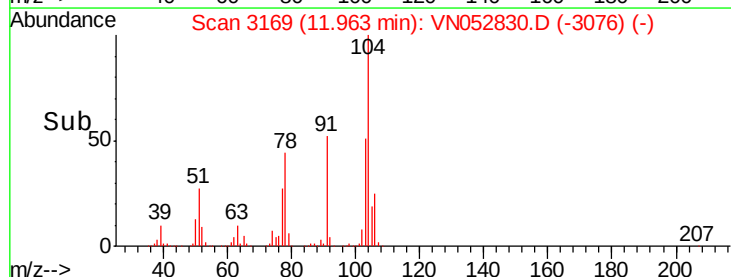
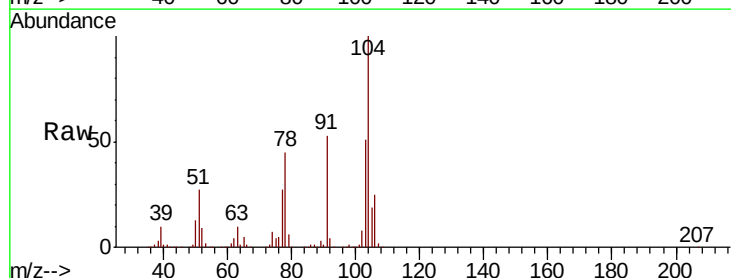
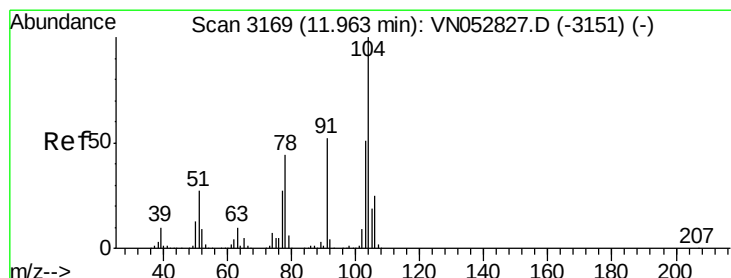
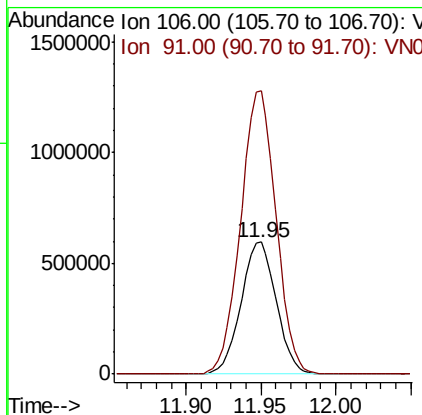
#69
o-Xylene
Concen: 50.583 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampled :
ICVVN121218

Tot Ion:106 Resp: 976019
Ion Ratio Lower Upper
106 100
91 215.4 106.6 319.8

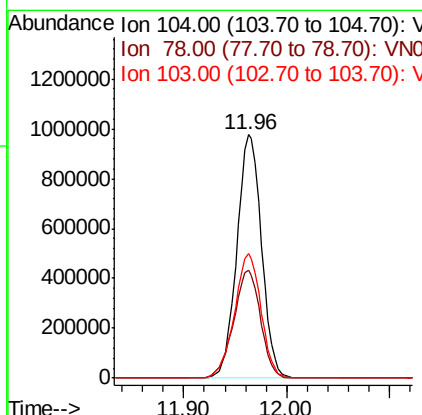
Manual Integrations
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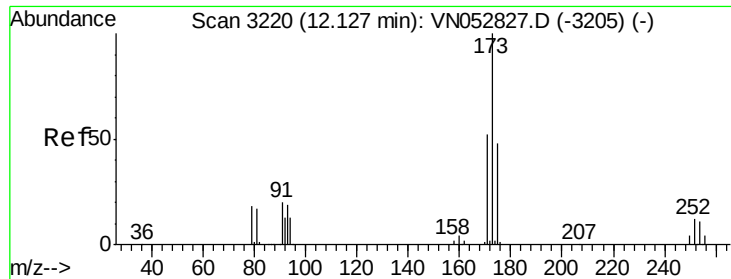
MMDadoda
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#70
Styrene
Concen: 52.311 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion:104 Resp: 1622573
Ion Ratio Lower Upper
104 100
78 48.4 38.9 58.3
103 55.0 44.3 66.5





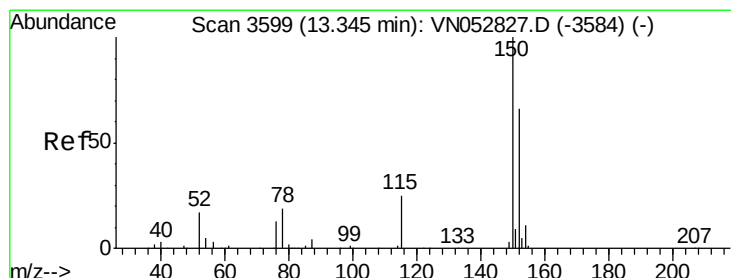
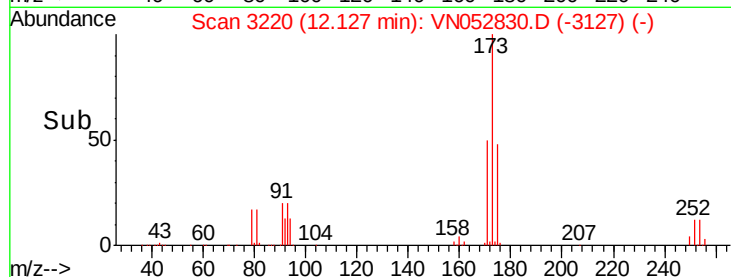
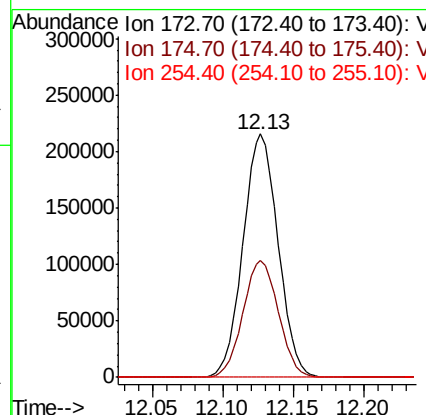
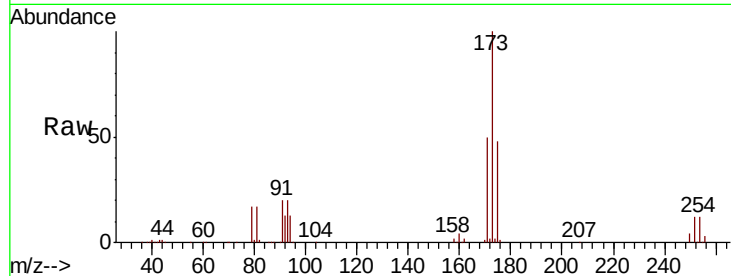
#71
Bromoform
Concen: 51.973 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.9
254	0.1	0.1	0.1#

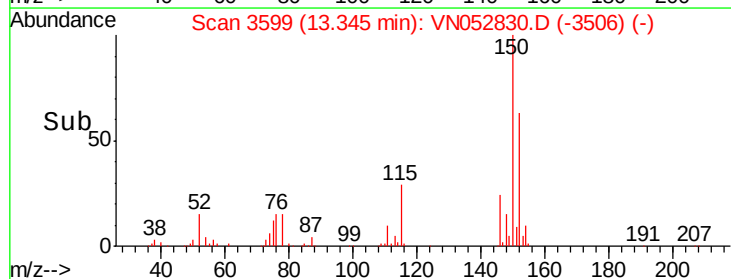
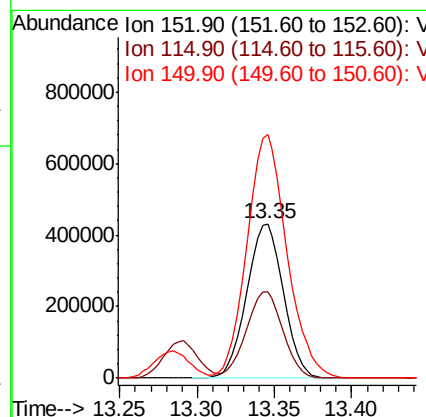
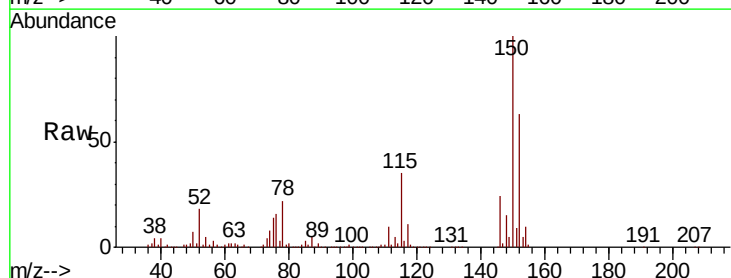
Manual Integrations
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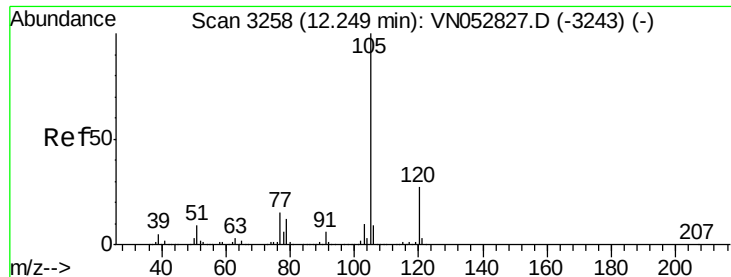
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.3	85.0
150	172.1	0.0	347.8





#73

Isopropylbenzene

Concen: 49.663 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion:105 Resp: 2638779

Ion Ratio Lower Upper

105 100

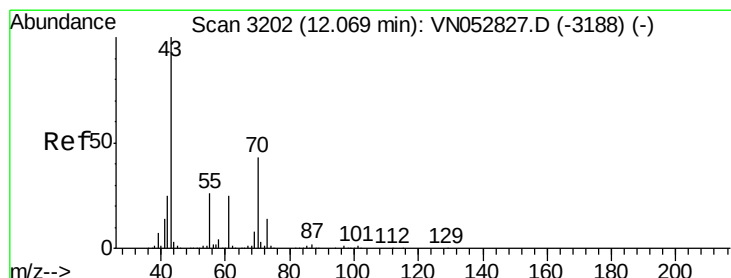
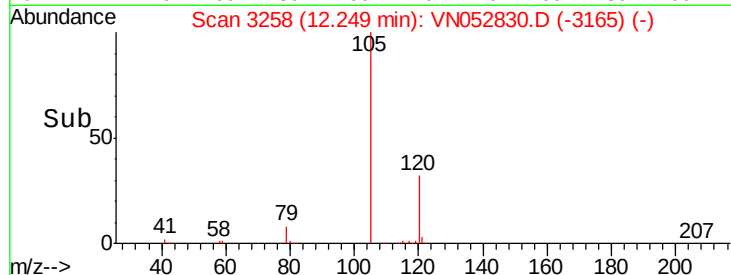
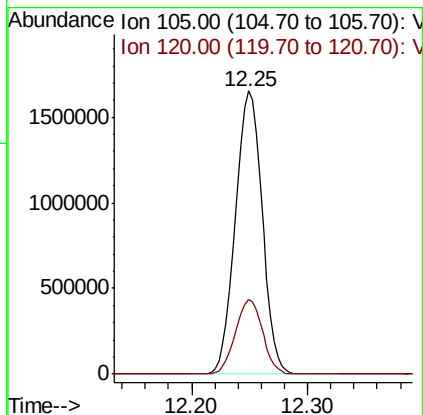
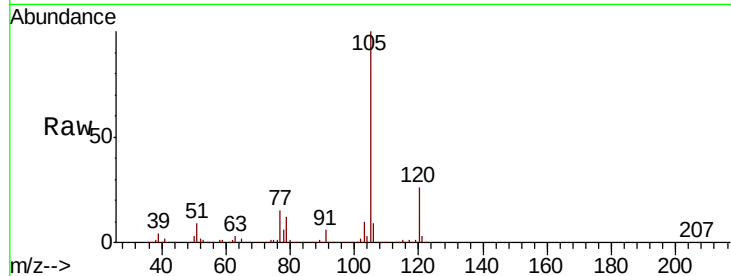
120 26.6 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.011 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion: 43 Resp: 758704

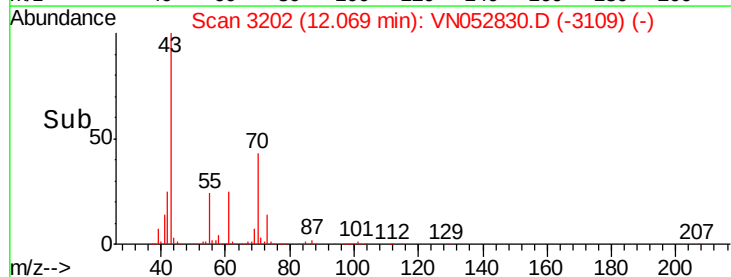
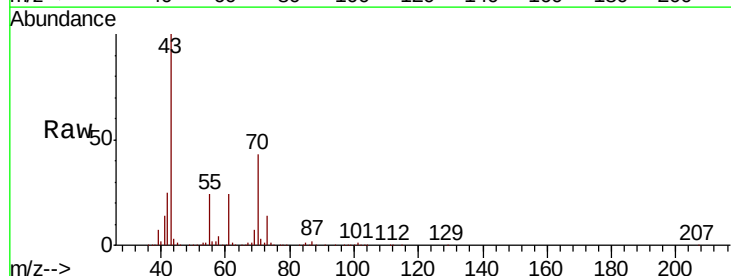
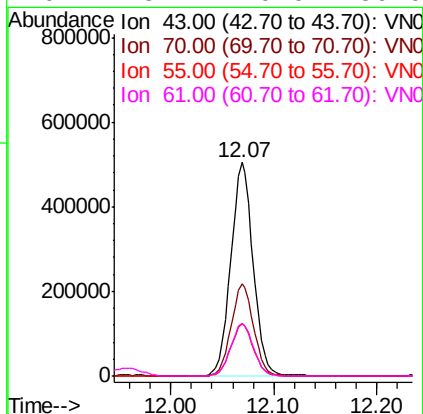
Ion Ratio Lower Upper

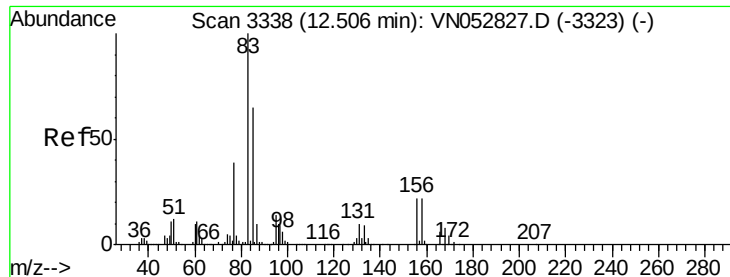
43 100

70 43.3 34.2 51.4

55 25.1 20.3 30.5

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.257 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVFN121218

Tot Ion: 83 Resp: 574653
Ion Ratio Lower Upper

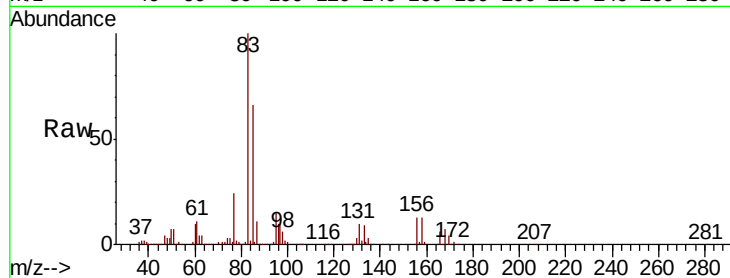
83 100

131 10.4 5.2 15.6

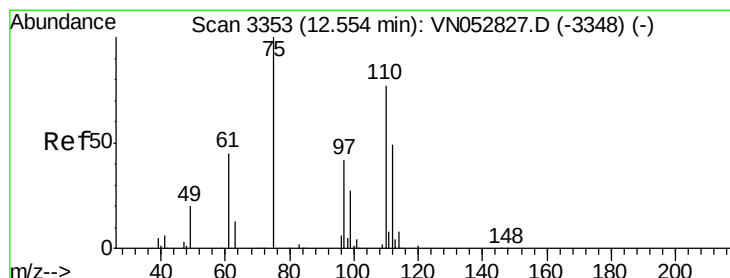
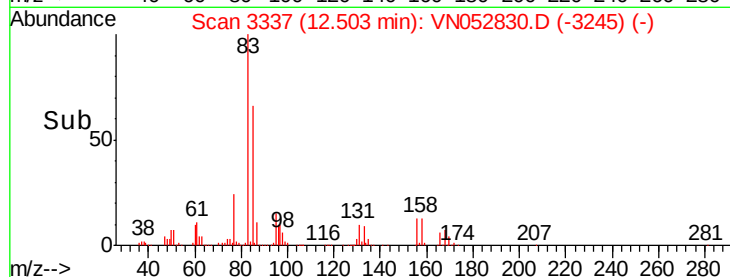
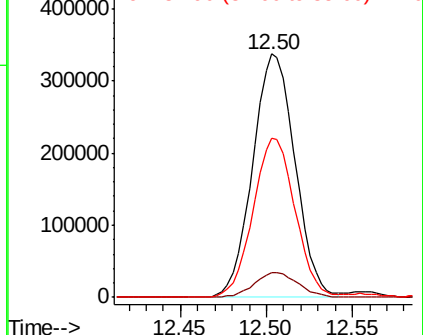
85 64.8 32.4 97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 47.572 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

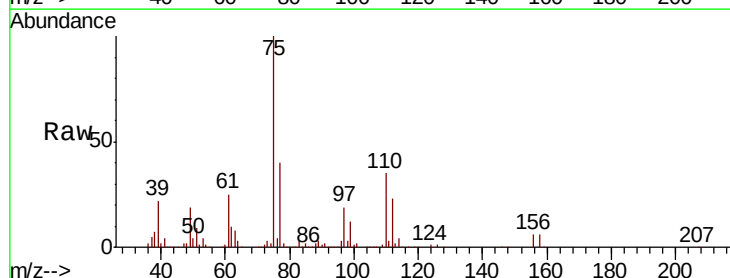
Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

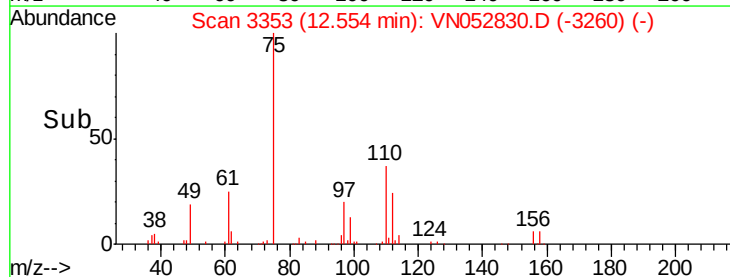
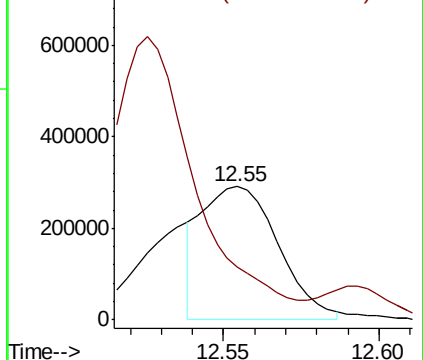
Tgt Ion: 75 Resp: 499481
Ion Ratio Lower Upper

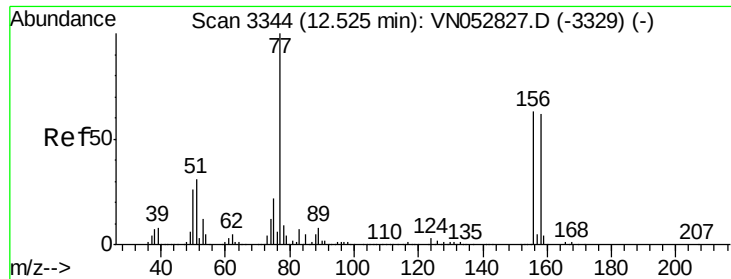
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 48.994 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

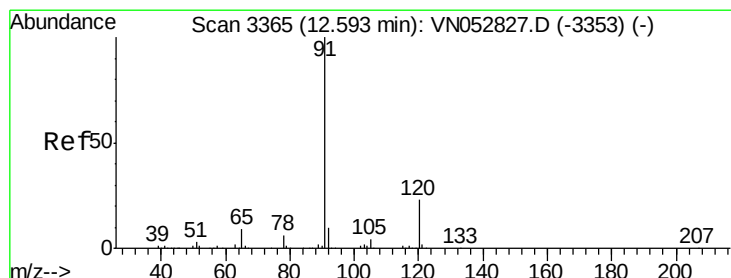
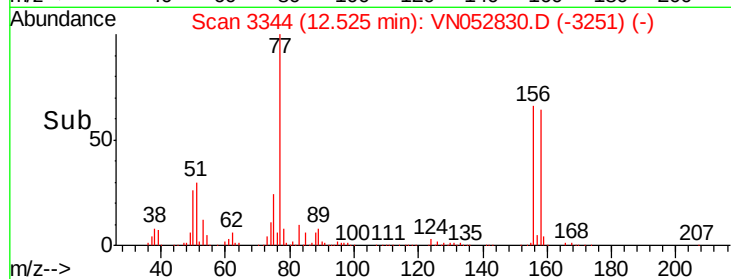
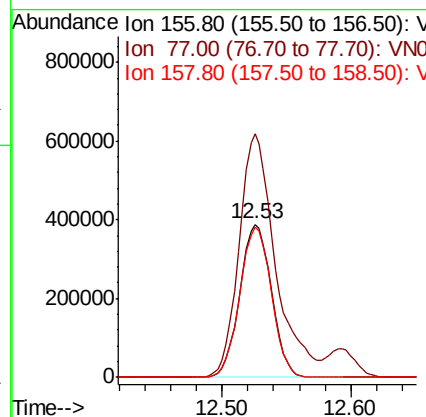
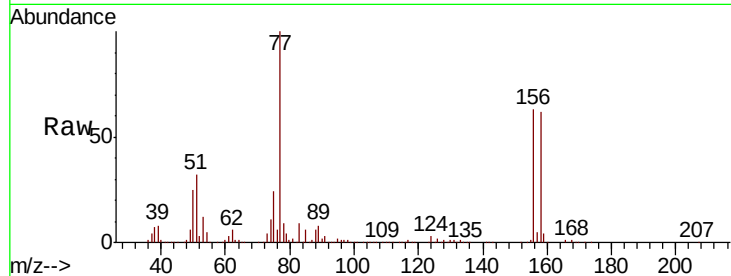
ClientSampleId :

ICVVN121218

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.2	91.3	273.8
158	98.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 50.813 ug/l

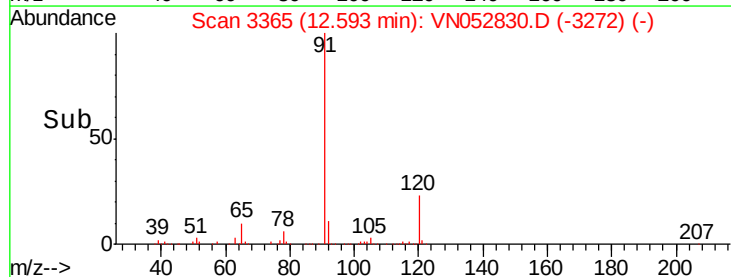
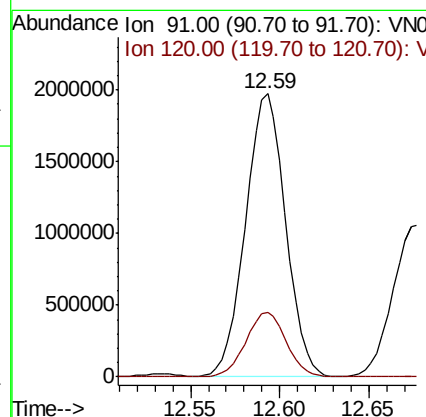
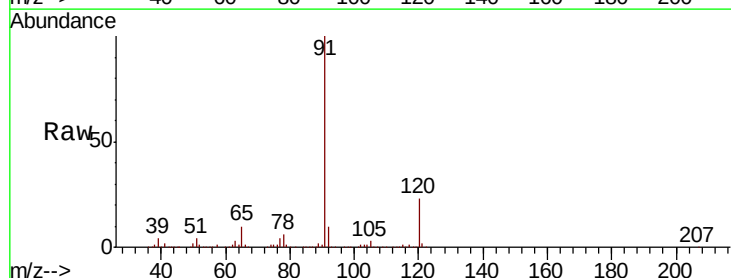
RT: 12.59 min Scan# 3365

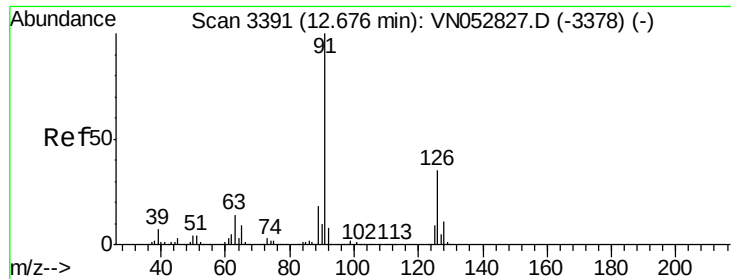
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.094 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion: 91 Resp: 1758808

Ion Ratio Lower Upper

91 100

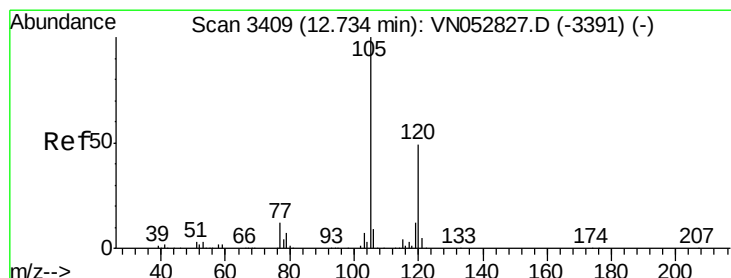
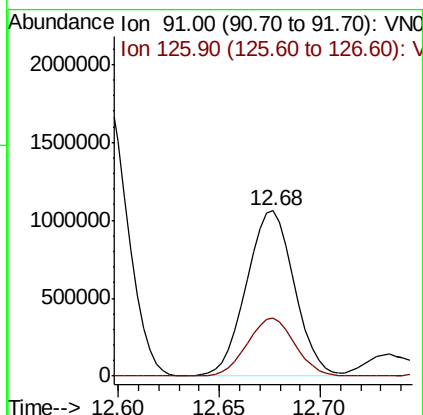
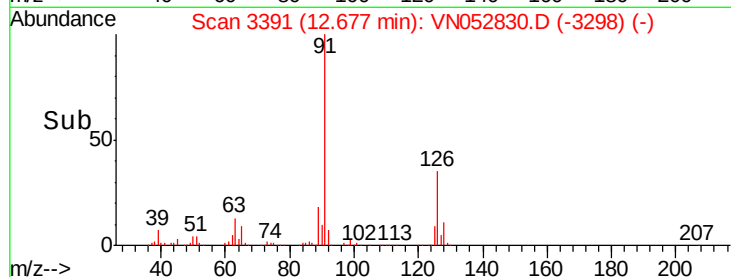
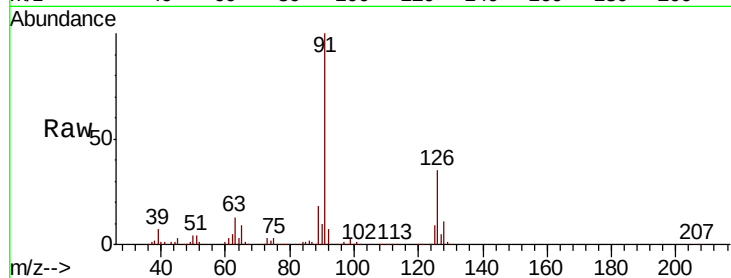
126 35.1 17.4 52.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.200 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052830.D

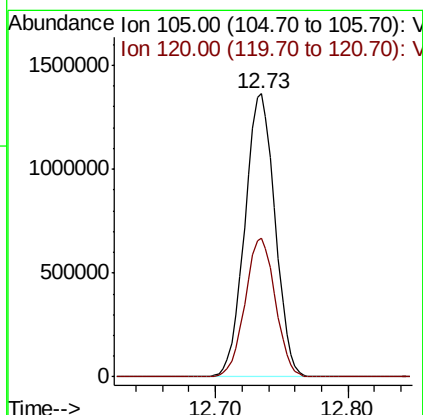
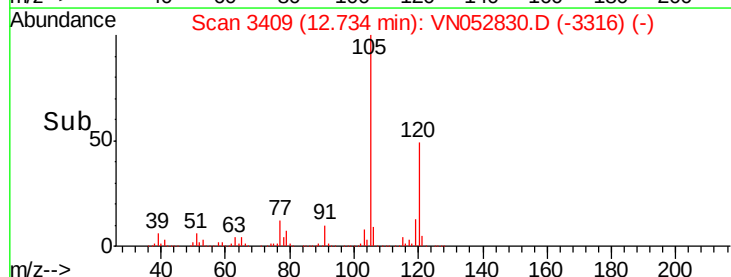
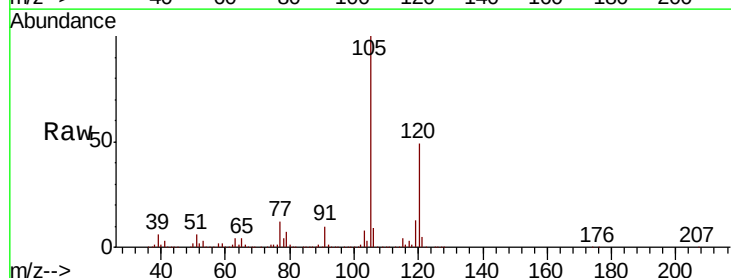
Acq: 12 Dec 2018 16:36

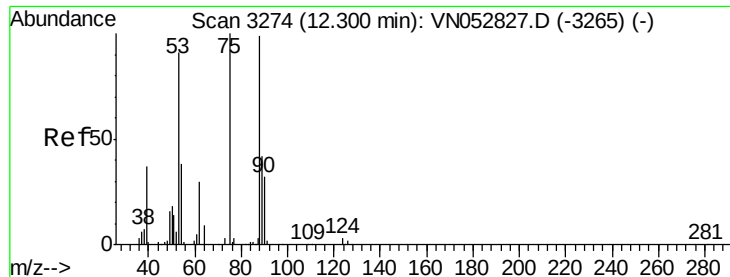
Tgt Ion: 105 Resp: 2153194

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 53.485 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

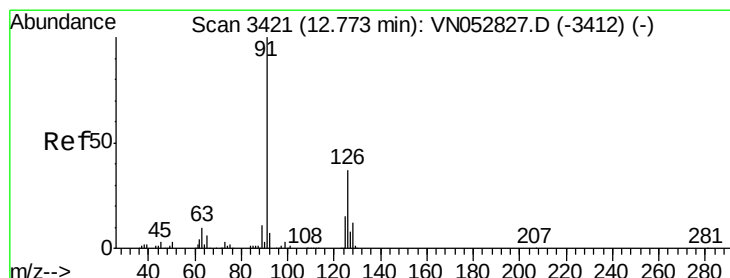
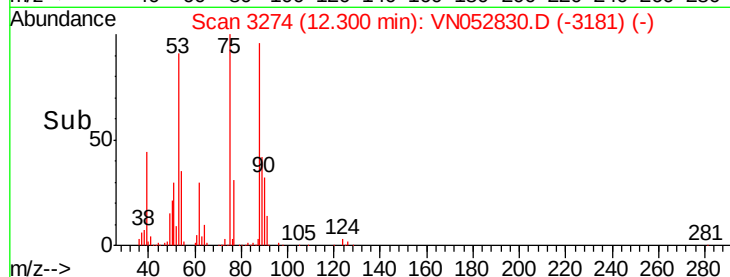
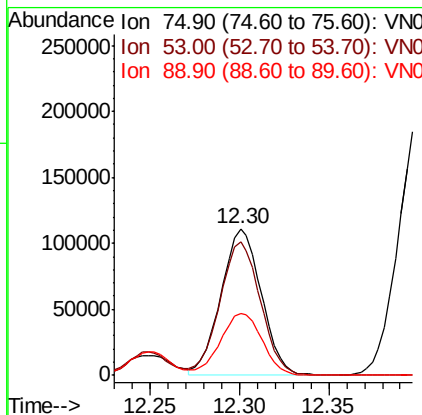
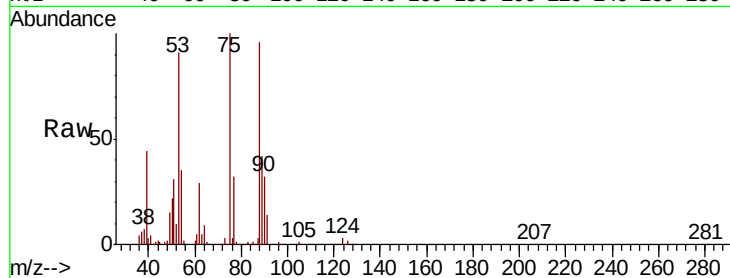
ClientSampleId :

ICVVN121218

Tot Ion:	75	Resp:	174807
Ion	Ratio	Lower	Upper
75	100		
53	92.1	74.7	112.1
89	43.9	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.708 ug/l

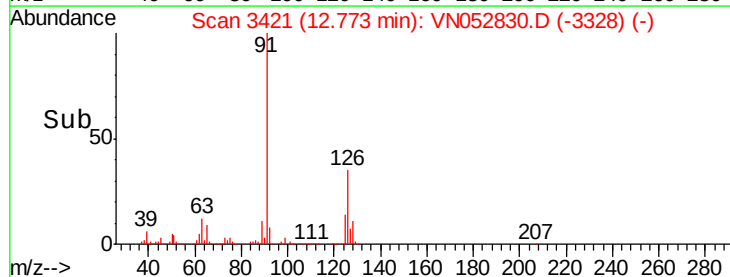
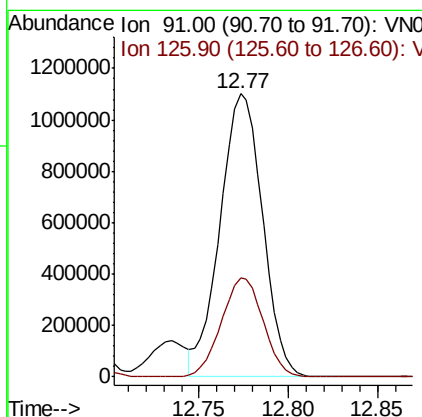
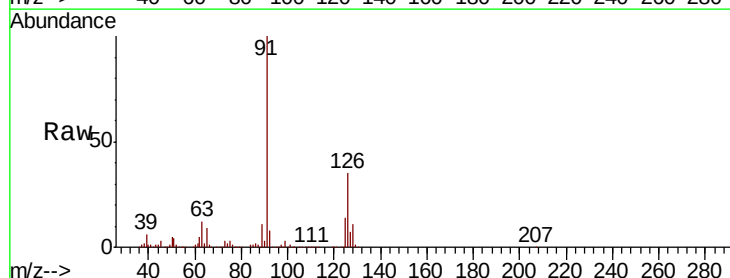
RT: 12.77 min Scan# 3421

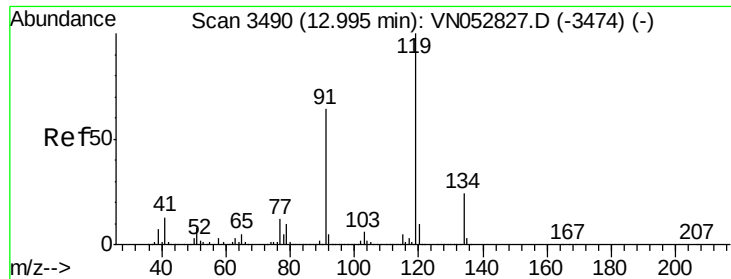
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion:	91	Resp:	1820753
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.3	51.7





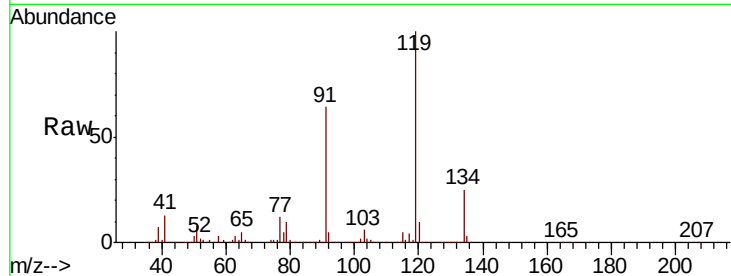
#83
 tert-Butylbenzene
 Concen: 49.993 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	31.9	95.5
134	26.0	12.8	38.4

Manual Integrations
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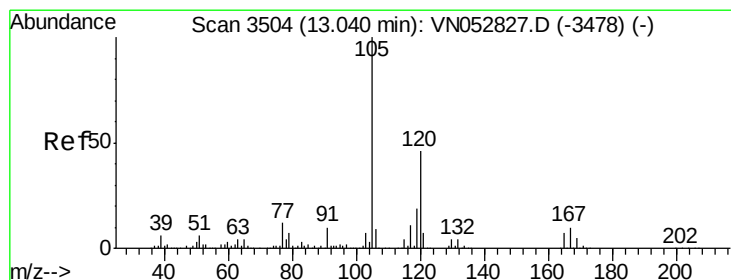
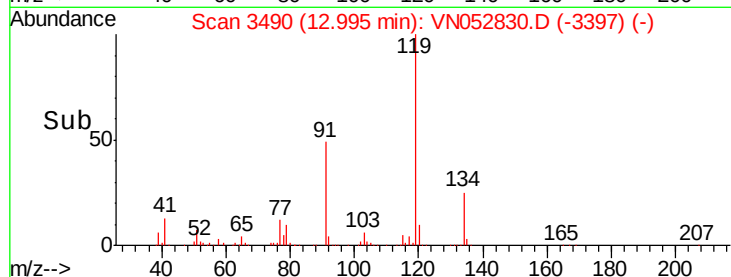
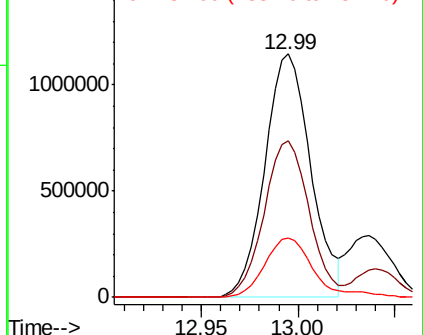


Abundance

Ion 119.00 (118.70 to 119.70): V

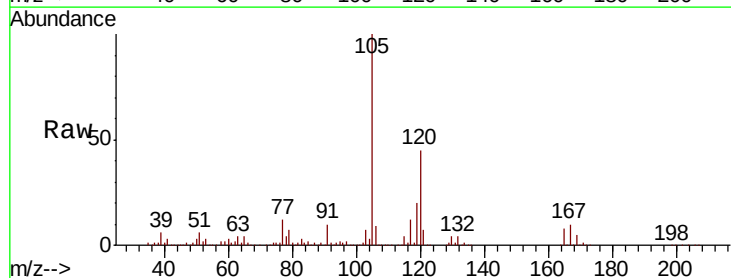
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84
 1,2,4-Trimethylbenzene
 Concen: 49.995 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

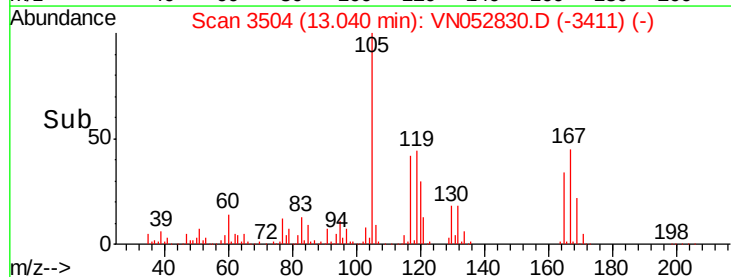
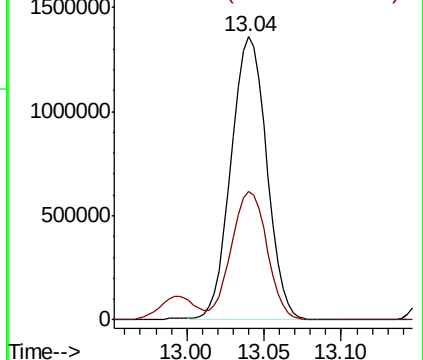
Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.9	68.8

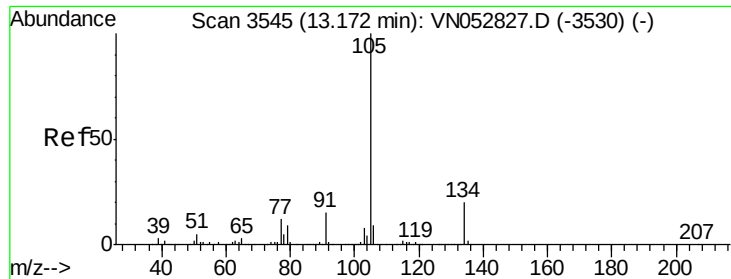


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.877 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

ICVVN121218

Tot Ion:105 Resp: 2607021

Ion Ratio Lower Upper

105 100

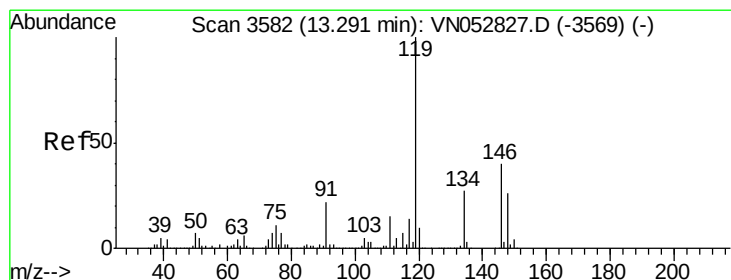
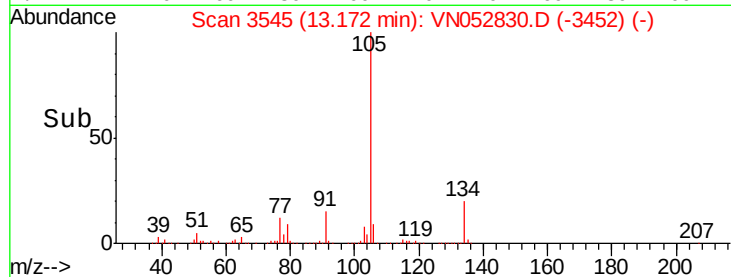
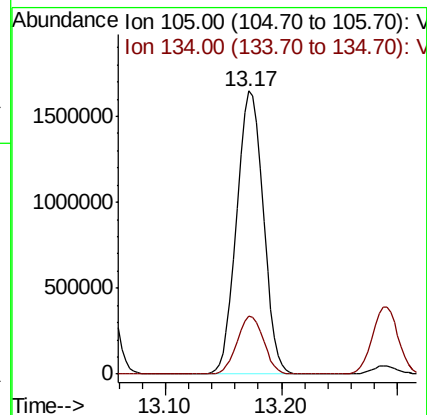
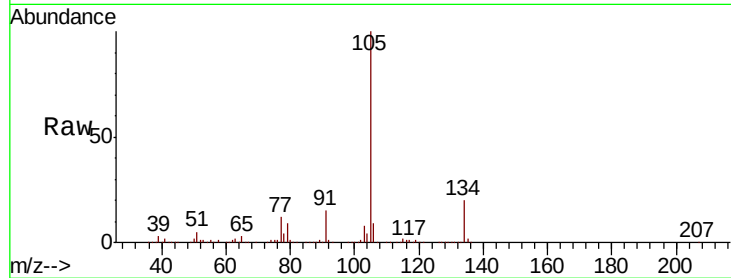
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.415 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

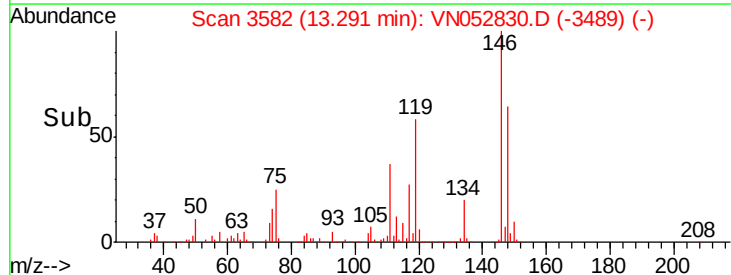
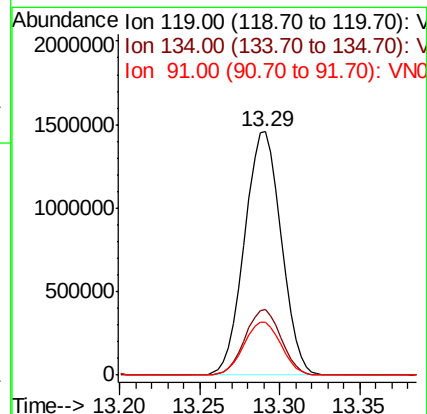
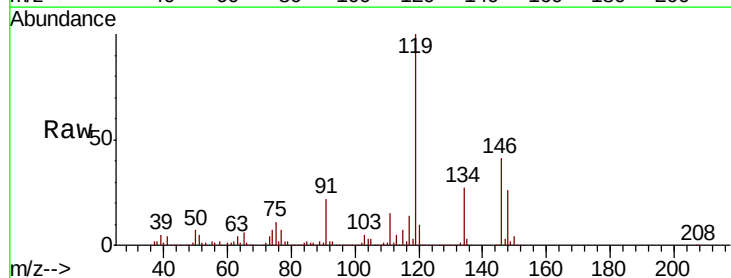
Tgt Ion:119 Resp: 2282538

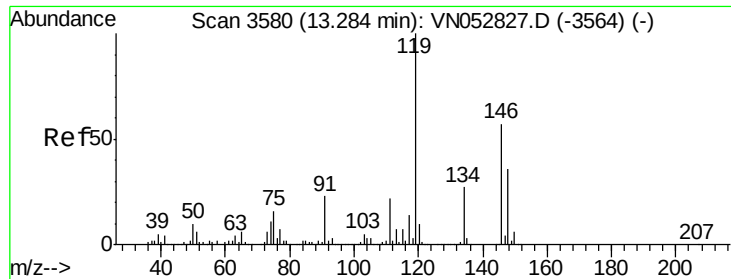
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.898 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052830.D

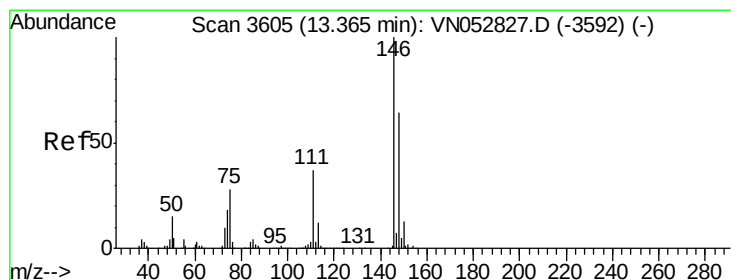
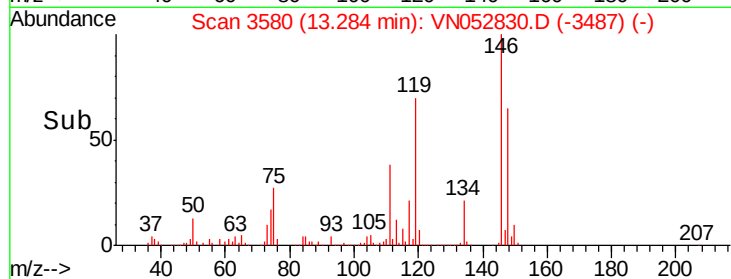
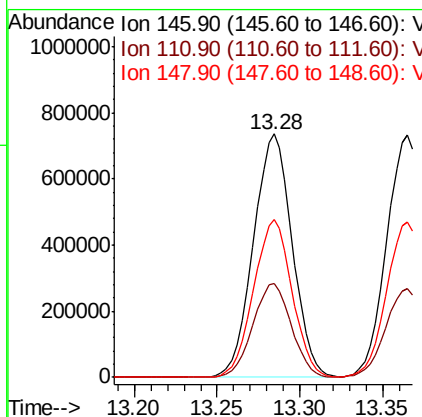
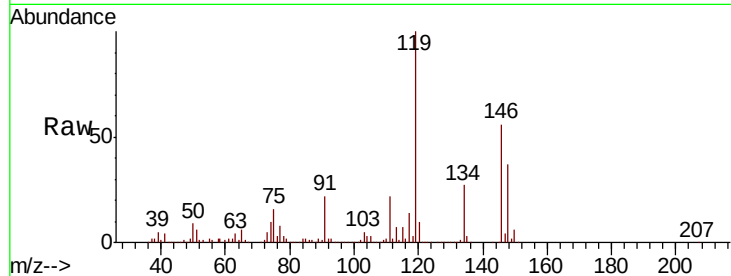
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.1
148	64.5	32.0	96.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.865 ug/l

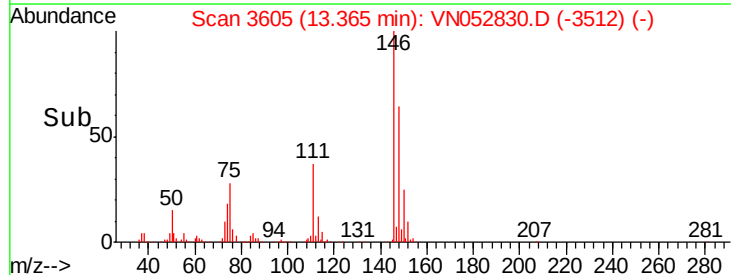
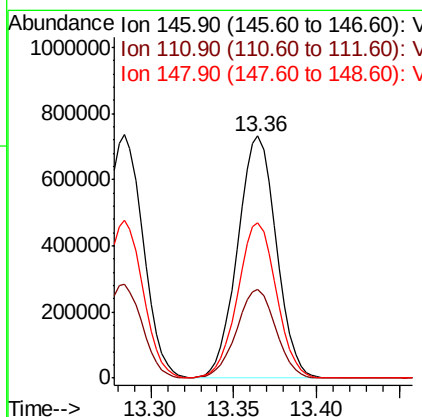
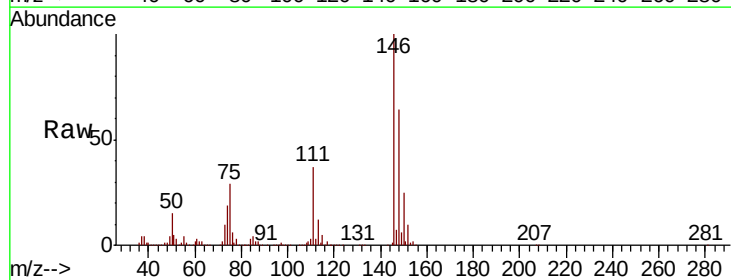
RT: 13.36 min Scan# 3605

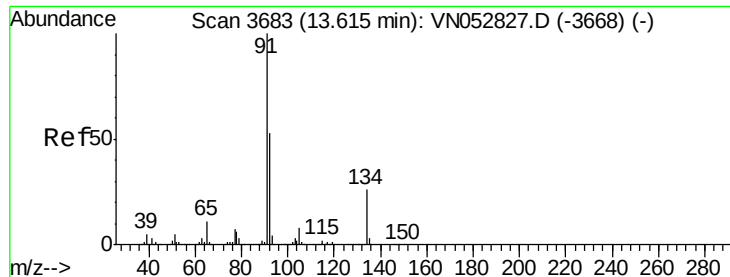
Delta R.T. 0.00 min

Lab File: VN052830.D

Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.2	32.1	96.5





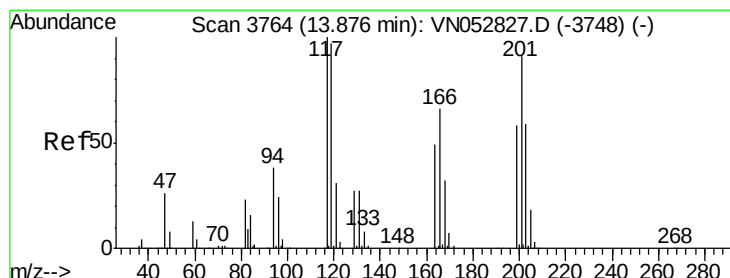
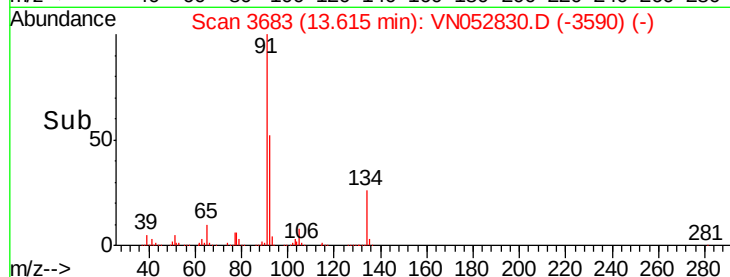
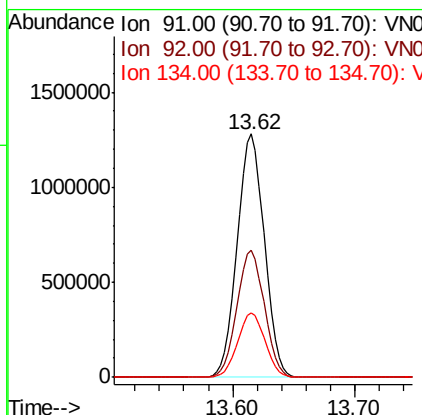
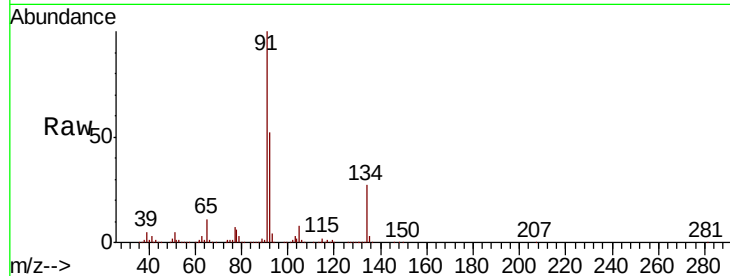
#89
n-Butylbenzene
Concen: 52.645 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.5	13.3	39.8

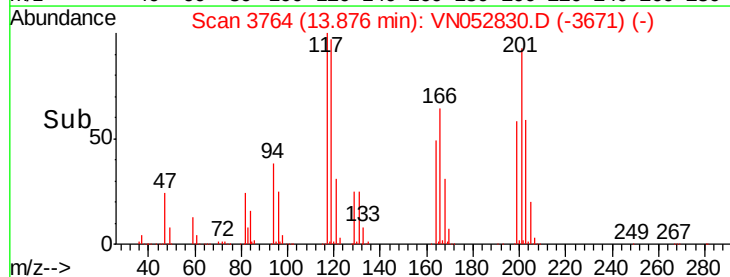
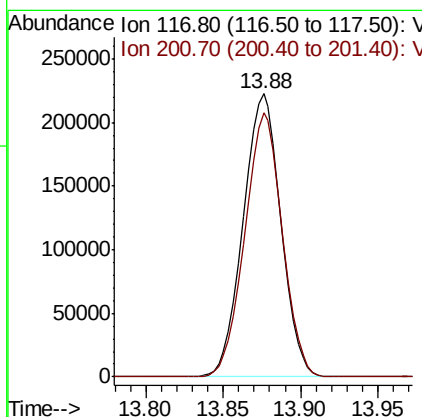
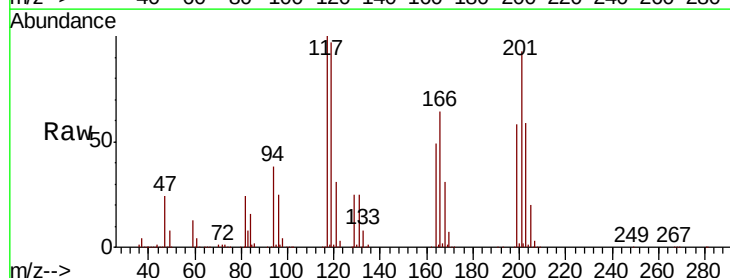
Manual Integrations
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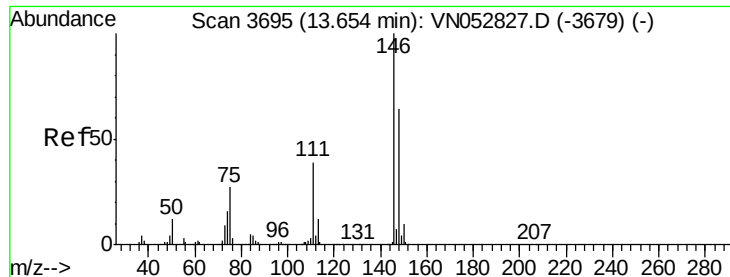
MMDadoda
12/13/2018 1:36:28 PM



#90
Hexachloroethane
Concen: 50.691 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.6	45.7	137.1





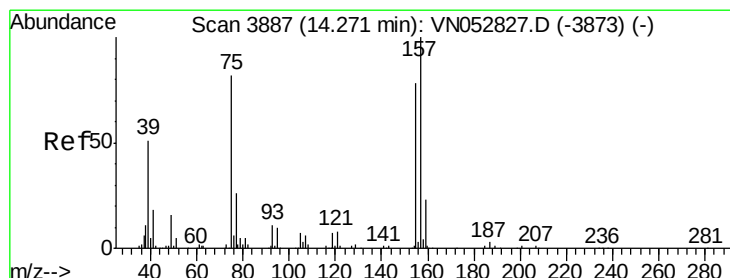
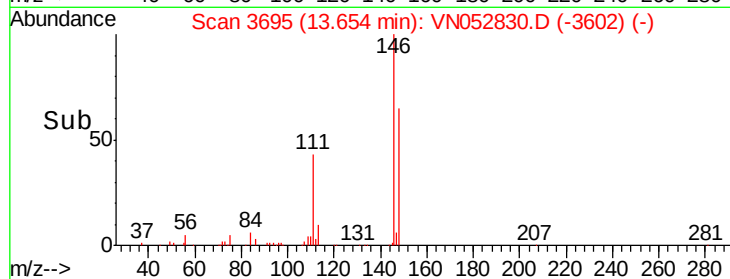
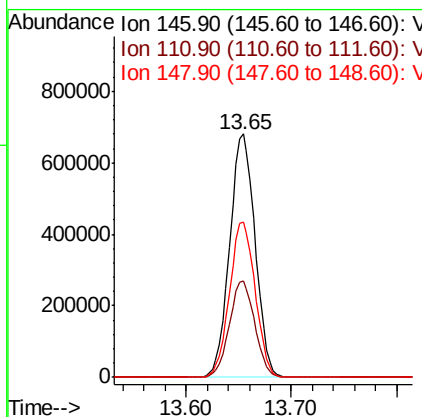
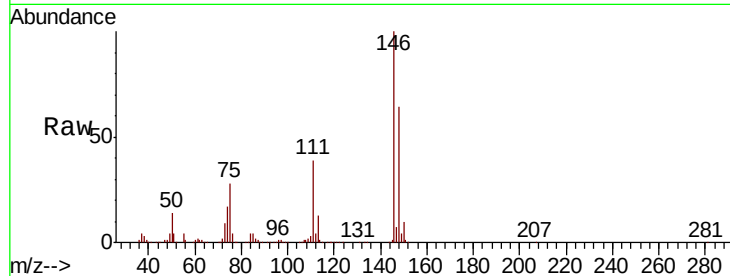
#91
 1,2-Dichlorobenzene
 Concen: 49.016 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.5	32.0	96.0

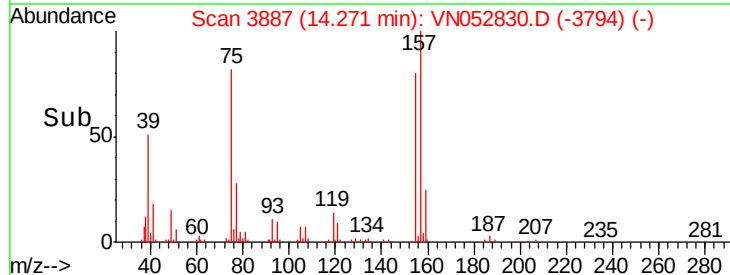
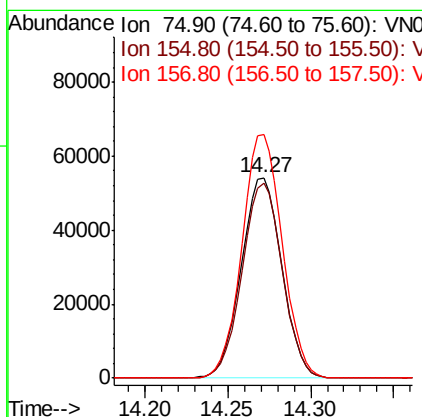
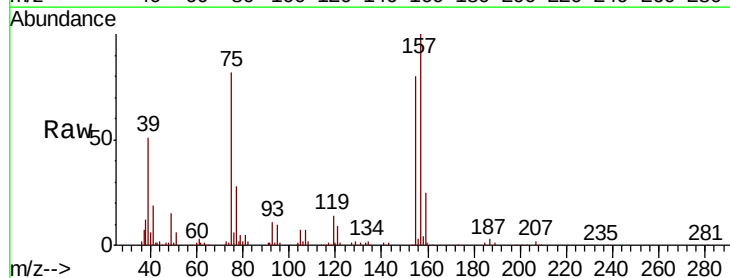
Manual Integrations
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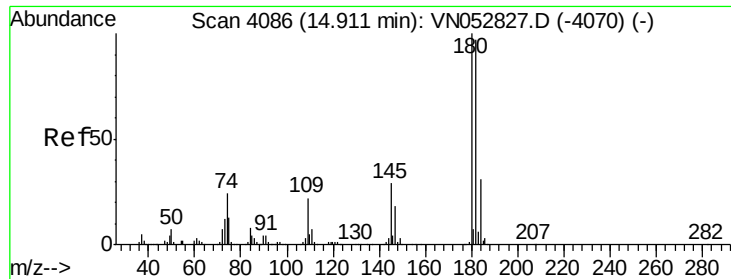
MMDadoda
 12/13/2018 1:36:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.394 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.8	48.2	144.6
157	120.5	61.2	183.5





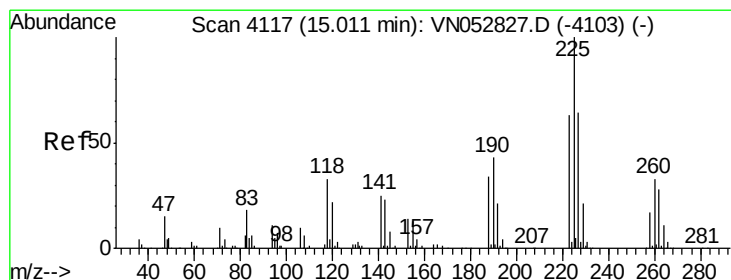
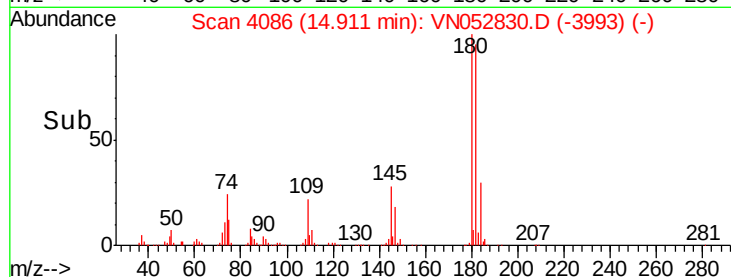
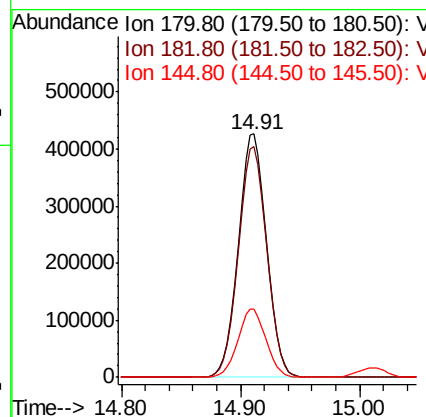
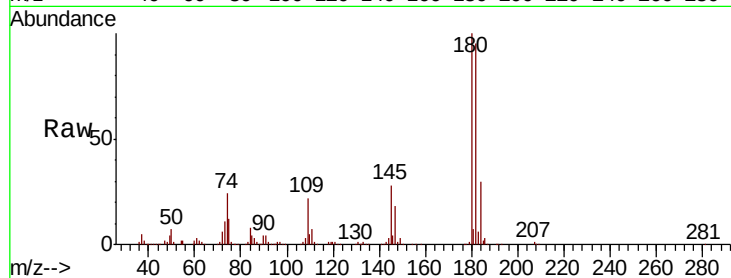
#93
 1,2,4-Trichlorobenzene
 Concen: 55.452 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN121218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	696354		
182	95.8	47.8	143.3	
145	28.0	14.2	42.6	

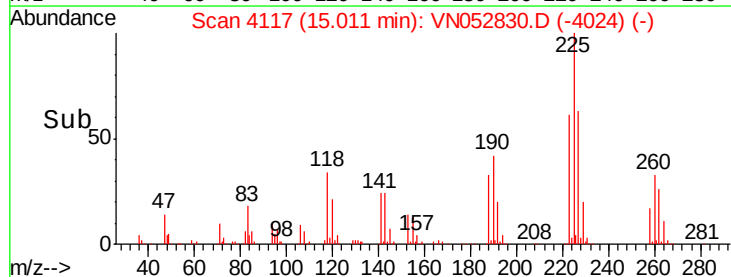
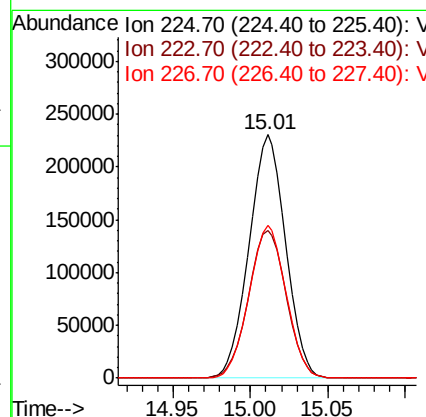
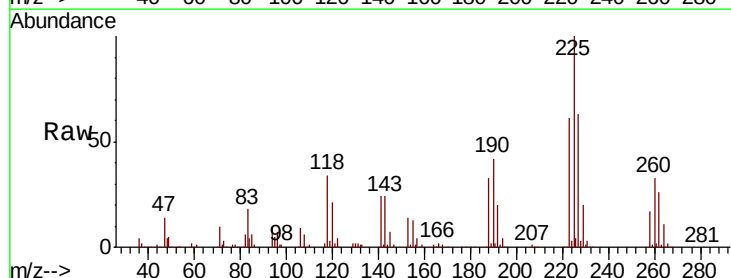
Manual Integrations
 APPROVED

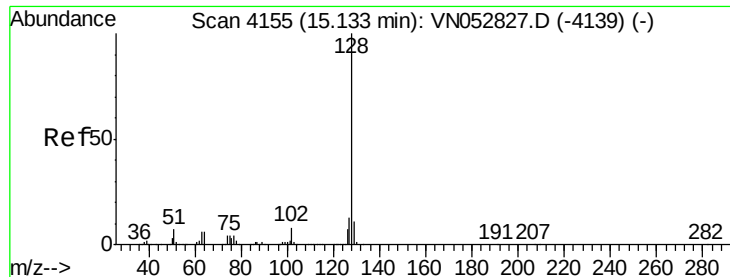
MMDadoda
 12/13/2018 1:36:28 PM



#94
 Hexachlorobutadiene
 Concen: 52.213 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052830.D
 Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	379522		
223	62.5	31.5	94.5	
227	63.3	31.9	95.7	





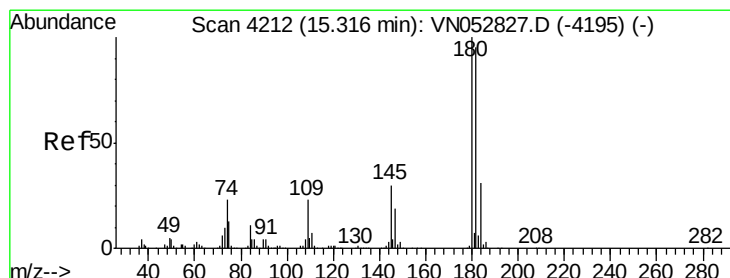
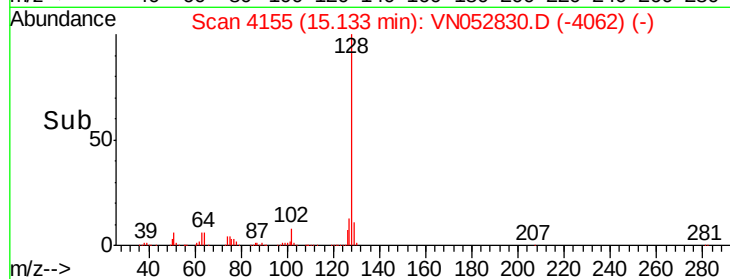
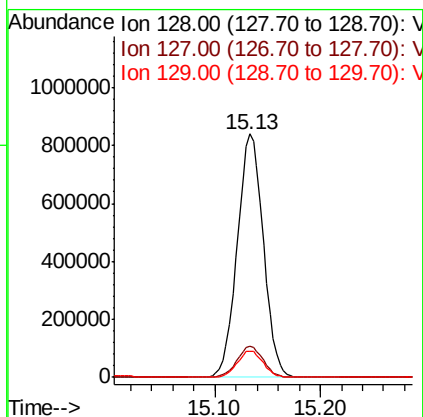
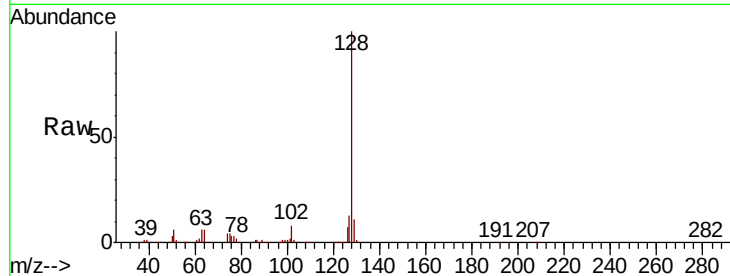
#95
Naphthalene
Concen: 55.231 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Instrument :
MSVOA_N
ClientSampleId :
ICVVN121218

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
12/13/2018 1:36:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 55.128 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052830.D
Acq: 12 Dec 2018 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	30.1	15.0	45.0

