

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120718\
 Data File : VN052722.D
 Acq On : 7 Dec 2018 13:12
 Operator : MD\SY
 Sample : VN1207WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:41 PM

Quant Time: Dec 07 22:39:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	908749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1432384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1260176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	552388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	501945	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
35) Dibromofluoromethane	7.59	113	450947	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1699504	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	567524	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146415	17.207	ug/l	99
3) Chloromethane	2.06	50	193303	17.210	ug/l	99
4) Vinyl Chloride	2.19	62	203944	17.676	ug/l	100
5) Bromomethane	2.57	94	125097	17.377	ug/l	98
6) Chloroethane	2.71	64	124905	17.872	ug/l	99
7) Trichlorofluoromethane	3.02	101	269298	19.001	ug/l	99
8) Diethyl Ether	3.41	74	104181	19.906	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	173656	19.637	ug/l	100
10) Methyl Iodide	3.96	142	236313	20.063	ug/l	100
11) Tert butyl alcohol	4.78	59	53199	107.396	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	161438	18.965	ug/l	97
13) Acrolein	3.61	56	37825	43.935	ug/l	99
14) Allyl chloride	4.33	41	279376	19.042	ug/l	99
15) Acrylonitrile	4.99	53	328023	104.611	ug/l	99
16) Acetone	3.82	43	279966	107.275	ug/l	98
17) Carbon Disulfide	4.06	76	426129	15.907	ug/l	98
18) Methyl Acetate	4.33	43	162606	21.721	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	465693	20.561	ug/l	100
20) Methylene Chloride	4.55	84	195053	19.099	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	172769	19.003	ug/l	95
22) Diisopropyl ether	5.95	45	613541	19.909	ug/l	99
23) Vinyl Acetate	5.90	43	1889628	98.444	ug/l	99
24) 1,1-Dichloroethane	5.85	63	345900	19.658	ug/l	99
25) 2-Butanone	6.84	43	383802	103.755	ug/l	100
26) 2,2-Dichloropropane	6.83	77	250557	20.572	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	205549	19.409	ug/l	100
28) Bromochloromethane	7.20	49	166863	20.762	ug/l	96
29) Tetrahydrofuran	7.21	42	247414	103.698	ug/l	99
30) Chloroform	7.37	83	345588	19.686	ug/l	100
31) Cyclohexane	7.66	56	308375	17.872	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	279386	20.086	ug/l	99
36) 1,1-Dichloropropene	7.79	75	250698	18.534	ug/l	99
37) Ethyl Acetate	6.93	43	163267	19.778	ug/l	99
38) Carbon Tetrachloride	7.77	117	236281	19.296	ug/l	97

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Quant Time: Dec 07 22:39:19 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	295221	17.957	ug/l	99
40) Benzene	8.04	78	772624	19.166	ug/l	99
41) Methacrylonitrile	7.18	41	89581	19.849	ug/l	93
42) 1,2-Dichloroethane	8.13	62	245674	20.128	ug/l	98
43) Isopropyl Acetate	8.17	43	289967	20.756	ug/l #	88
44) Trichloroethene	8.83	130	201816	19.545	ug/l	99
45) 1,2-Dichloropropane	9.12	63	212458	19.824	ug/l	99
46) Dibromomethane	9.21	93	119407	20.126	ug/l	99
47) Bromodichloromethane	9.40	83	256205	19.862	ug/l	99
48) Methyl methacrylate	9.20	41	144628	19.854	ug/l	99
49) 1,4-Dioxane	9.20	88	31677	419.011	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	826884	105.494	ug/l	100
52) Toluene	10.16	92	463632	19.358	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	248340	20.012	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	298809	20.094	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173806	20.630	ug/l	99
56) Ethyl methacrylate	10.43	69	215597	20.130	ug/l	99
57) 1,3-Dichloropropane	10.71	76	298066	20.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	620711	101.536	ug/l	98
59) 2-Hexanone	10.75	43	552875	105.097	ug/l	99
60) Dibromochloromethane	10.90	129	189215	20.679	ug/l	99
61) 1,2-Dibromoethane	11.01	107	169724	20.284	ug/l	99
64) Tetrachloroethene	10.63	164	199436	20.412	ug/l	99
65) Chlorobenzene	11.43	112	513648	19.767	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	184202	20.388	ug/l	99
67) Ethyl Benzene	11.51	91	894022	19.647	ug/l	100
68) m/p-Xylenes	11.62	106	673196	39.740	ug/l	99
69) o-Xylene	11.95	106	328584	19.975	ug/l	99
70) Styrene	11.96	104	526527	20.096	ug/l	99
71) Bromoform	12.13	173	125570	20.990	ug/l #	99
73) Isopropylbenzene	12.25	105	872041	20.122	ug/l	99
74) N-amyl acetate	12.07	43	220641	20.152	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	210723	21.375	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	171068m	20.083	ug/l	
77) Bromobenzene	12.53	156	220174	20.554	ug/l	99
78) n-propylbenzene	12.59	91	995730	20.224	ug/l	99
79) 2-Chlorotoluene	12.67	91	591001	20.157	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	708270	20.491	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52386	20.538	ug/l	97
82) 4-Chlorotoluene	12.77	91	591317	20.011	ug/l	100
83) tert-Butylbenzene	12.99	119	631752	20.502	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	708704	20.460	ug/l	99
85) sec-Butylbenzene	13.17	105	847980	20.205	ug/l	100
86) p-Isopropyltoluene	13.29	119	728061	20.367	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	377797	20.162	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	367137	19.892	ug/l	99
89) n-Butylbenzene	13.62	91	575903	19.372	ug/l	99
90) Hexachloroethane	13.88	117	124263	20.530	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	370561	20.700	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30346	21.522	ug/l	97

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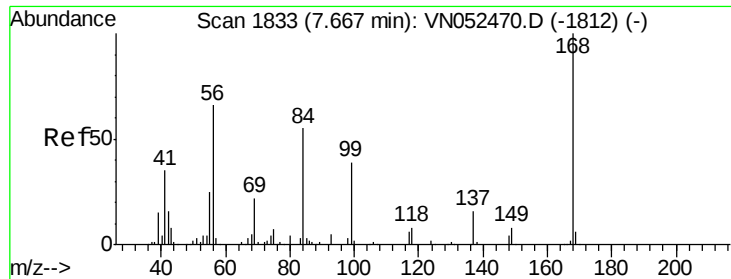
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175294	19.693	ug/l	99
94) Hexachlorobutadiene	15.01	225	118449	20.567	ug/l	99
95) Naphthalene	15.13	128	358572	19.488	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	167191	20.258	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 168 Resp: 908749

Ion Ratio Lower Upper

168 100

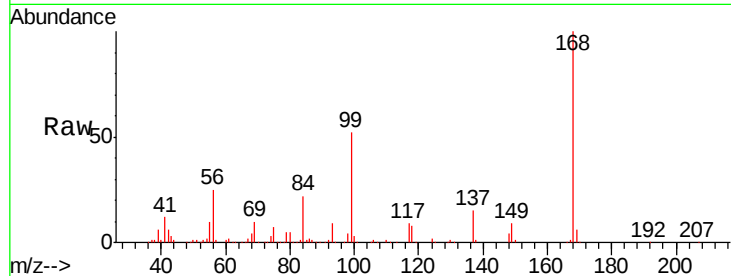
99 51.9 41.7 62.5

Manual Integrations

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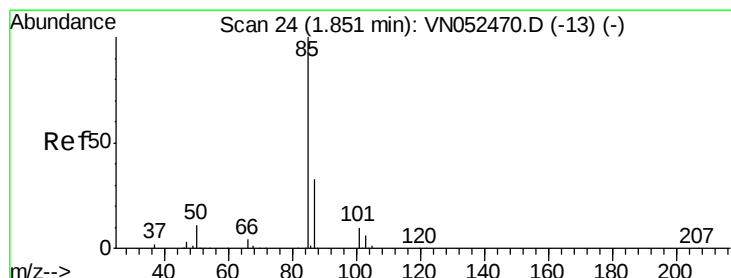
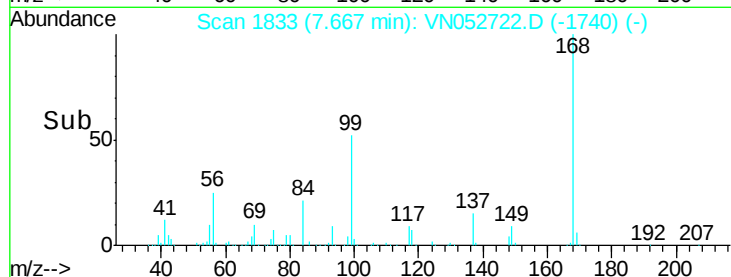
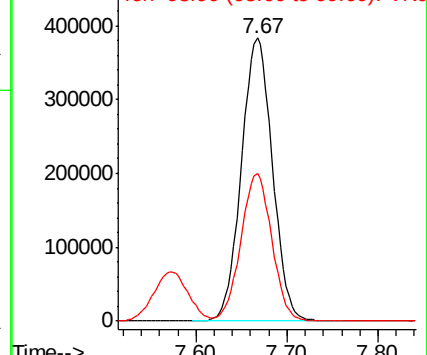
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.207 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052722.D

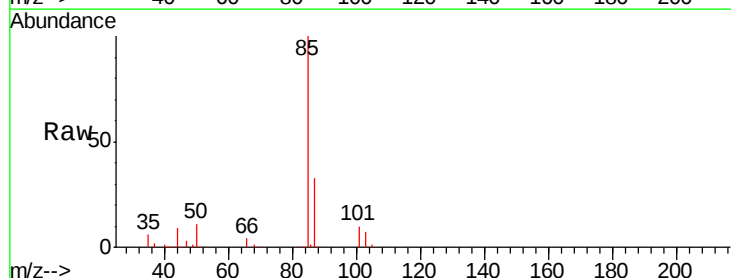
Acq: 7 Dec 2018 13:12

Tgt Ion: 85 Resp: 146415

Ion Ratio Lower Upper

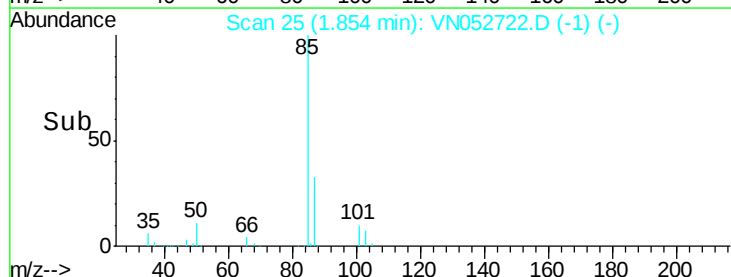
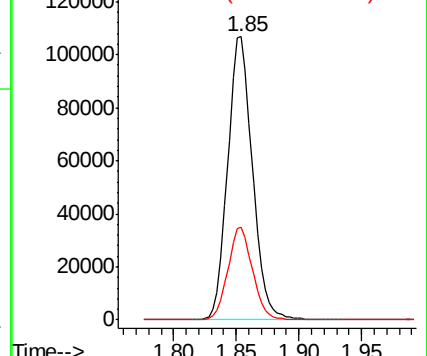
85 100

87 32.8 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.210 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 50 Resp: 193303

Ion Ratio Lower Upper

50 100

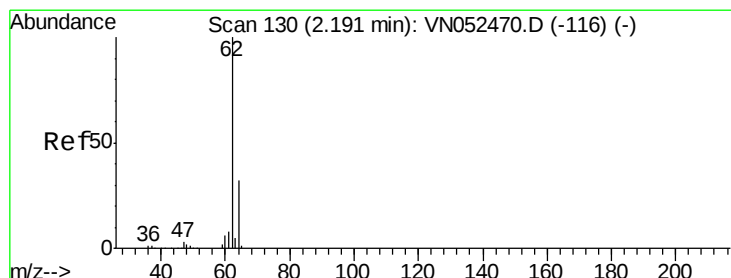
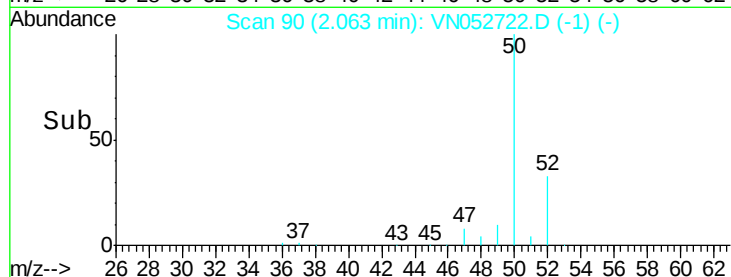
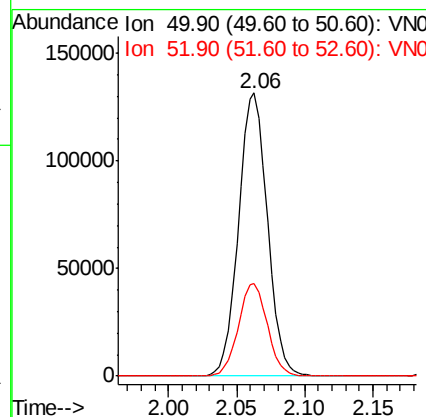
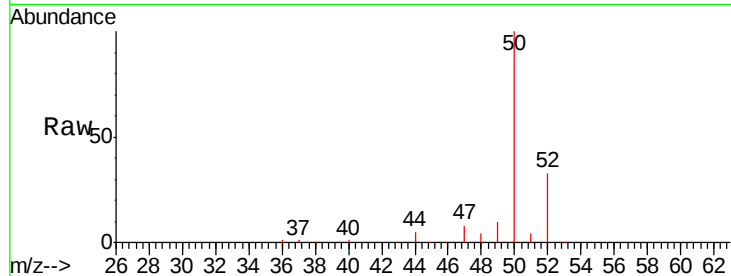
52 32.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.676 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052722.D

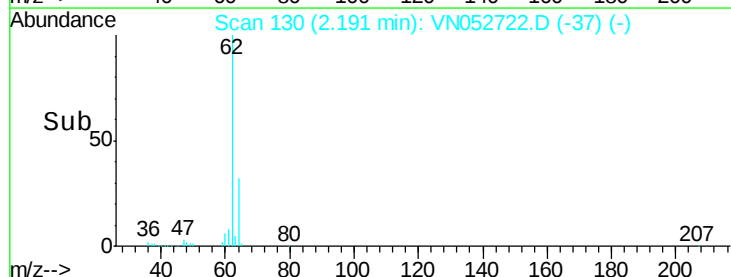
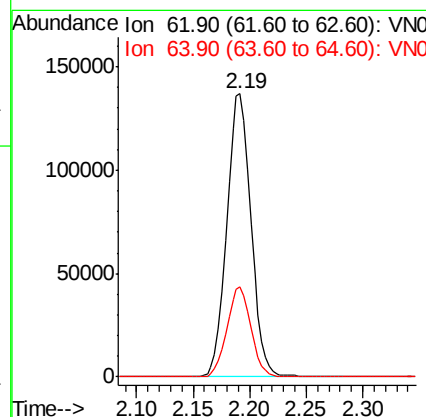
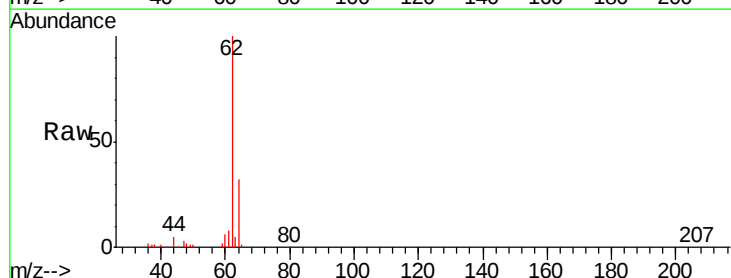
Acq: 7 Dec 2018 13:12

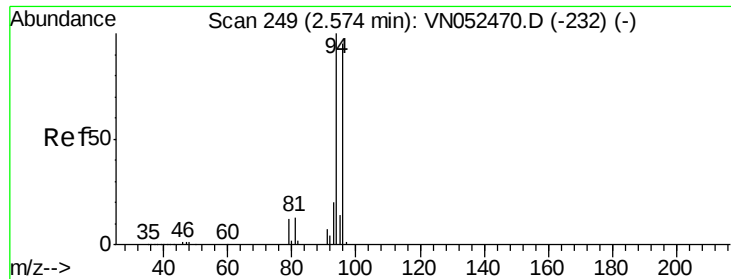
Tgt Ion: 62 Resp: 203944

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 17.377 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 94 Resp: 125097

Ion Ratio Lower Upper

94 100

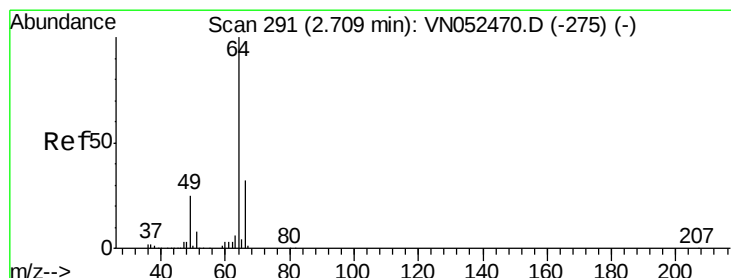
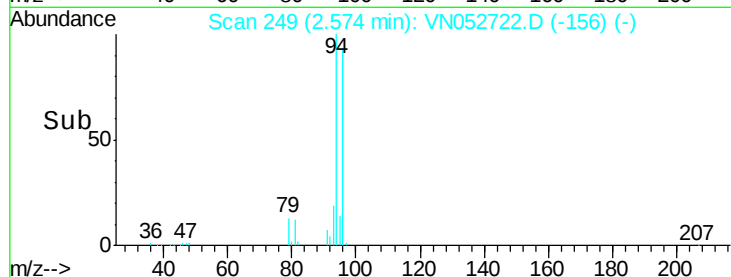
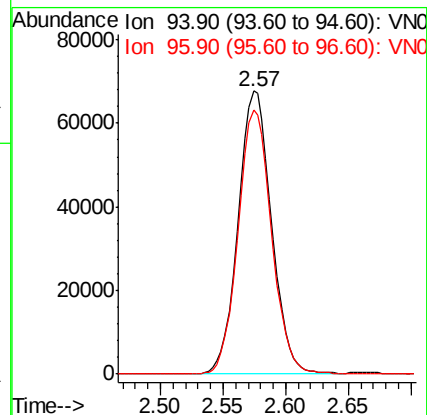
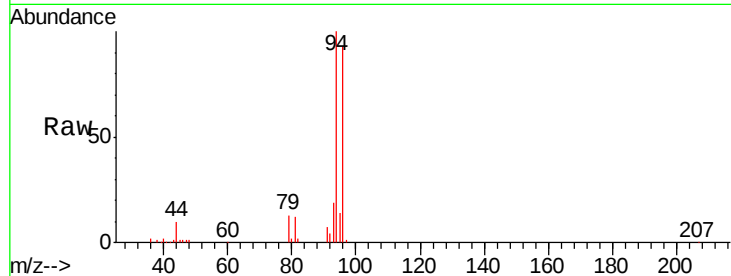
96 93.3 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 17.872 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052722.D

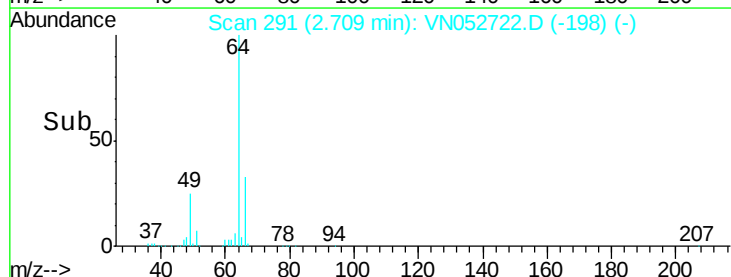
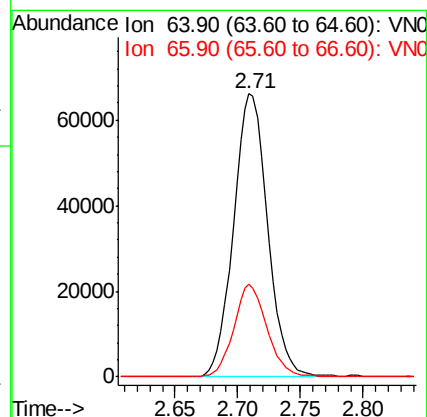
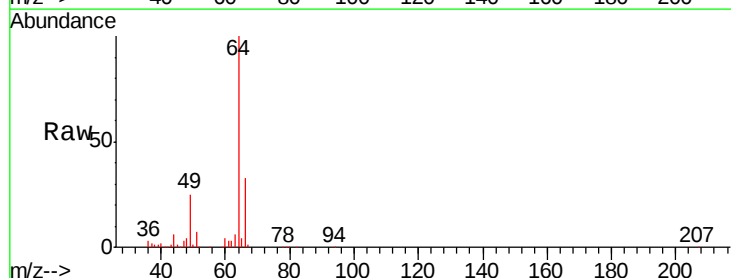
Acq: 7 Dec 2018 13:12

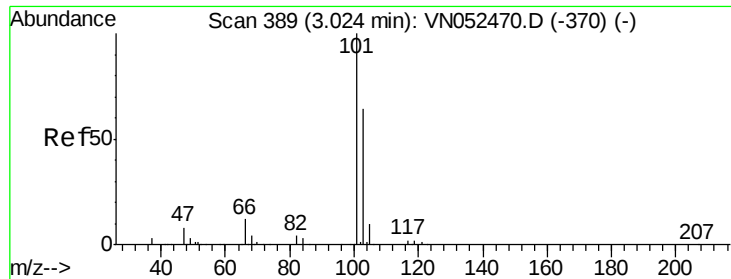
Tgt Ion: 64 Resp: 124905

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5





#7

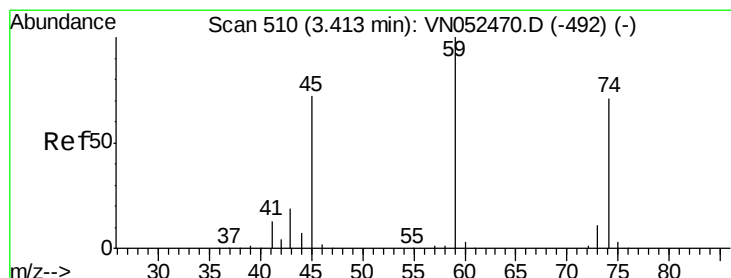
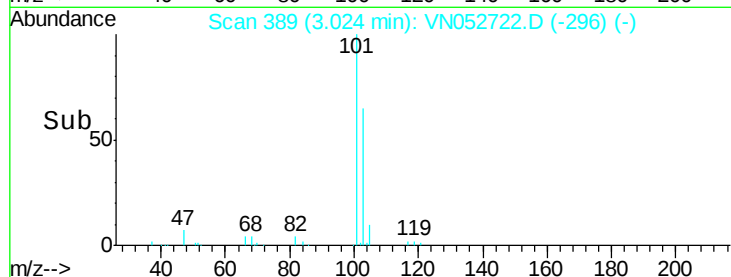
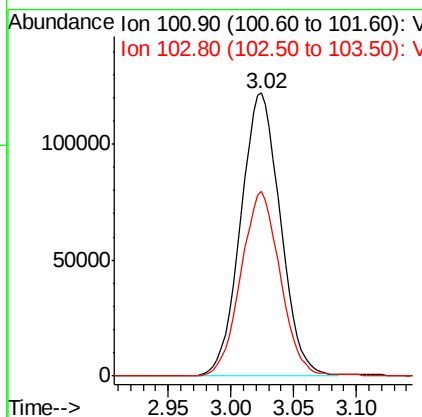
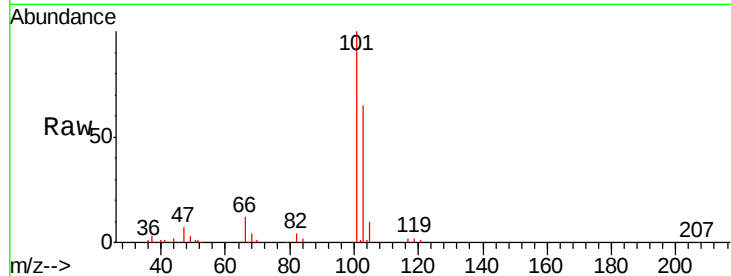
Trichlorofluoromethane
Concen: 19.001 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
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ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	269298		
103	65.2	51.4	77.2	

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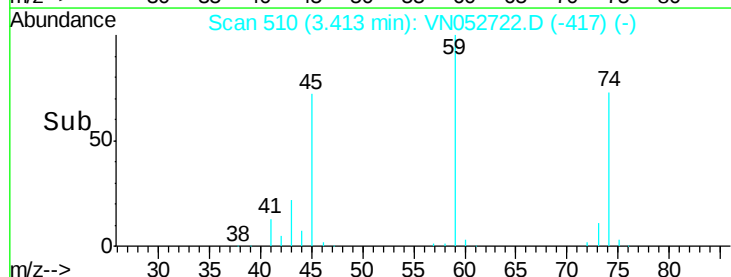
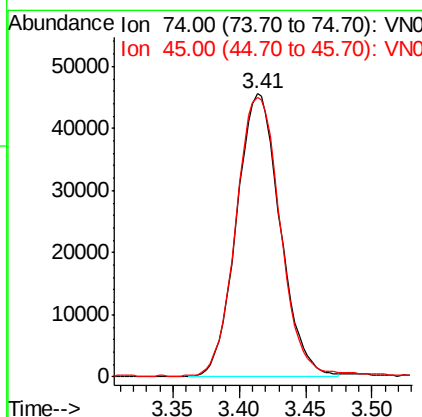
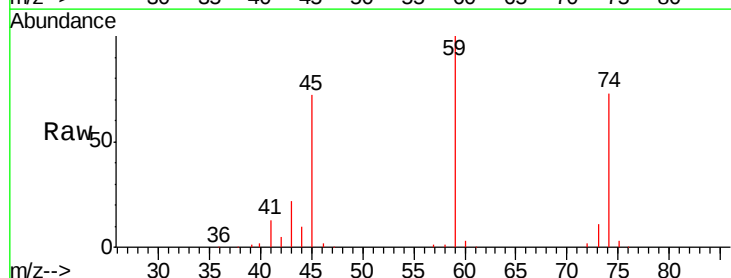
MMDadoda
12/10/2018 12:50:41 PM



#8

Diethyl Ether
Concen: 19.906 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	104181		
45	101.4	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.637 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

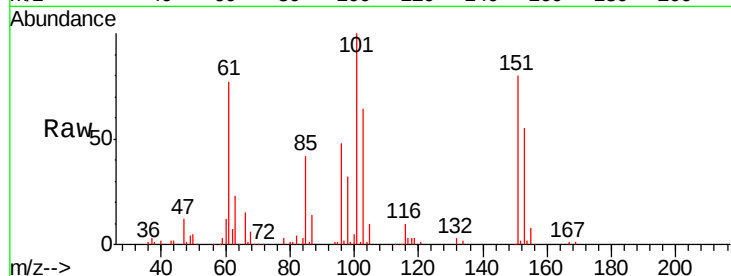
ClientSampleId :

VN1207WBS02

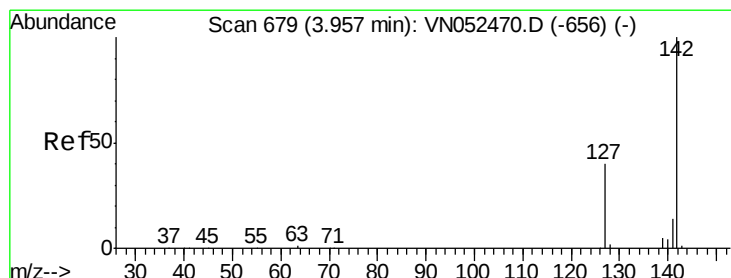
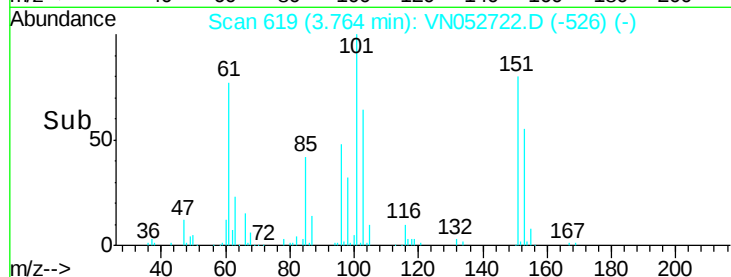
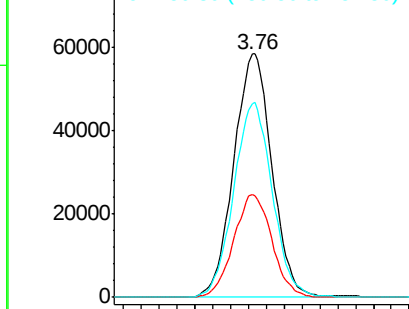
Tgt Ion:	101	Resp:	173656
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	80.7	64.6	96.8

Manual Integrations
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12/10/2018 12:50:41 PM



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



#10

Methyl Iodide

Concen: 20.063 ug/l

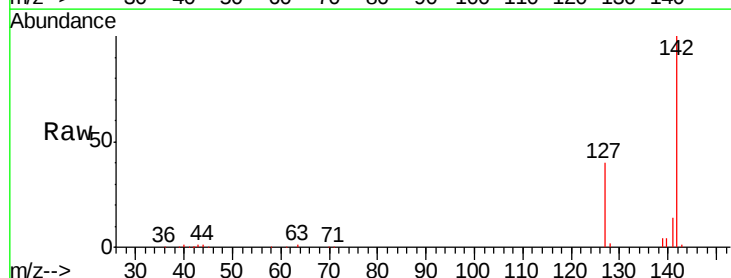
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

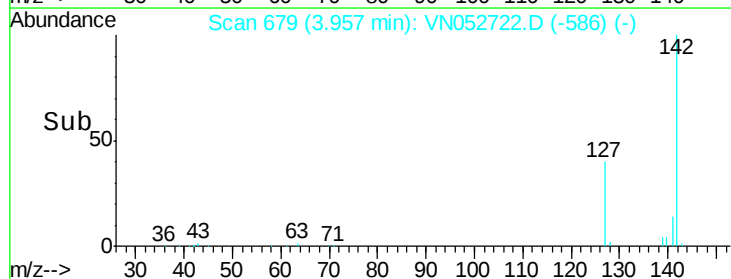
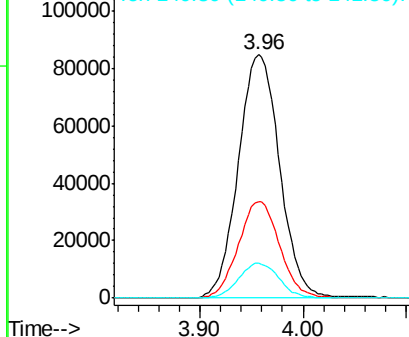
Lab File: VN052722.D

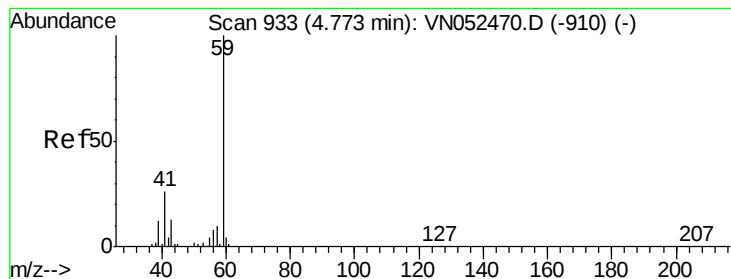
Acq: 7 Dec 2018 13:12

Tgt Ion:	142	Resp:	236313
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.8	47.6
141	13.9	11.4	17.0



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





#11

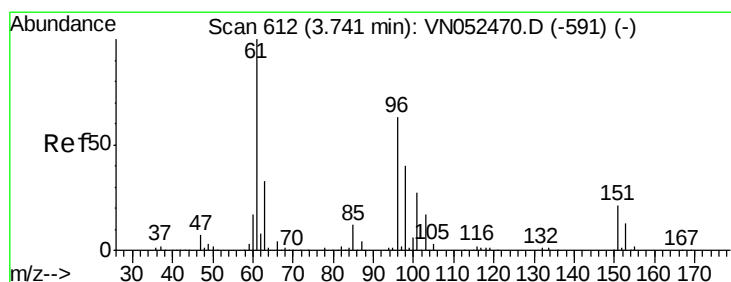
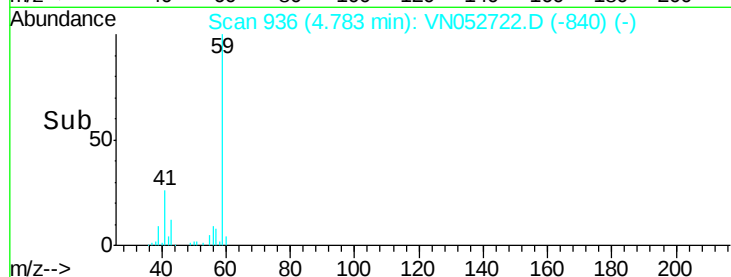
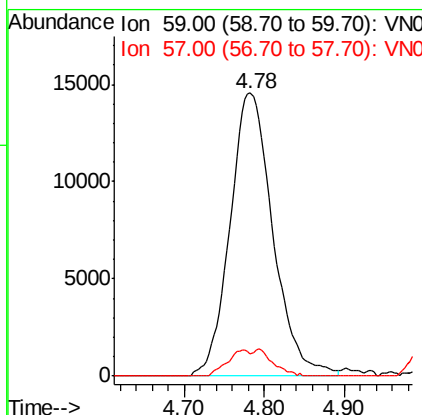
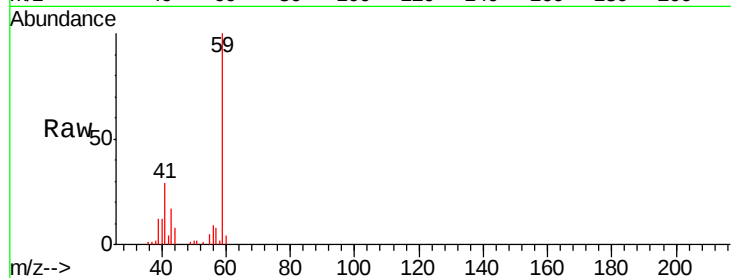
Tert butyl alcohol
Concen: 107.396 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.9	7.9	11.9#

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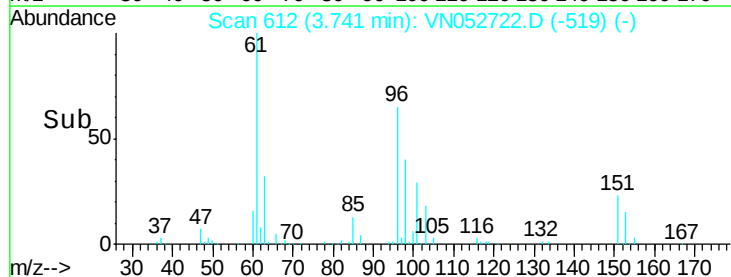
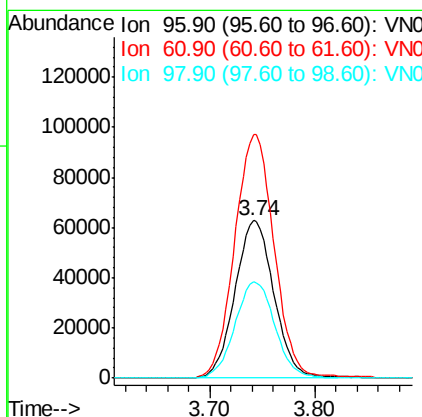
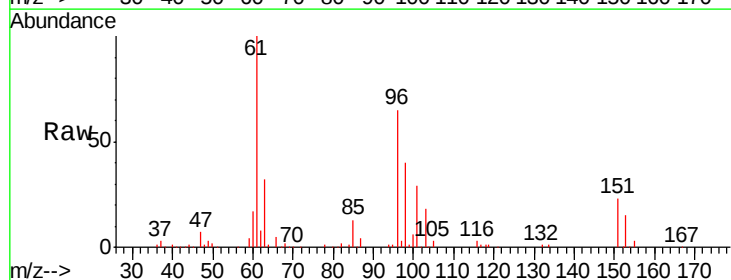
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12/10/2018 12:50:41 PM

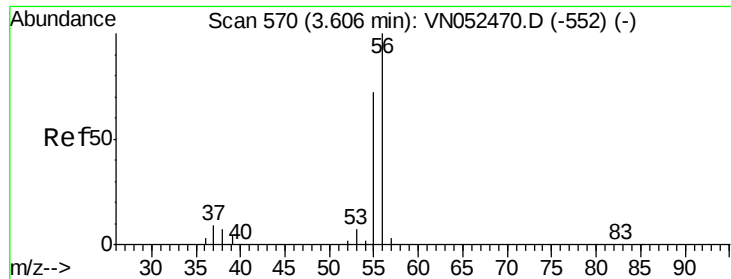


#12

1,1-Dichloroethene
Concen: 18.965 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.8	127.0	190.6
98	61.6	50.3	75.5





#13

Acrolein

Concen: 43.935 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 56 Resp: 37825

Ion Ratio Lower Upper

56 100

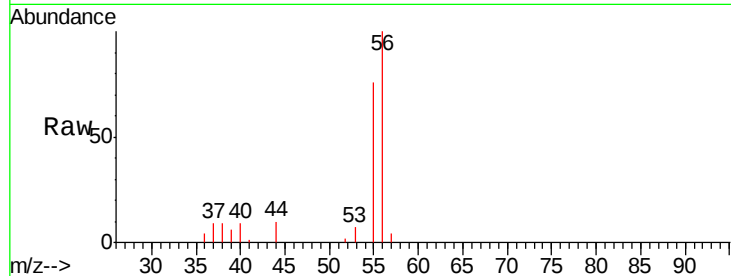
55 71.9 56.8 85.2

Manual Integrations

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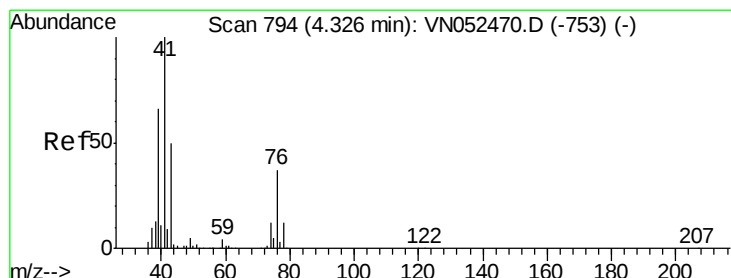
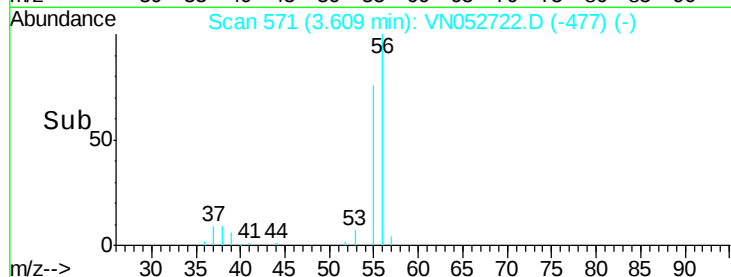
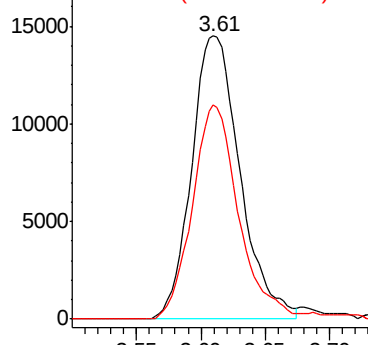
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12/10/2018 12:50:41 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.042 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

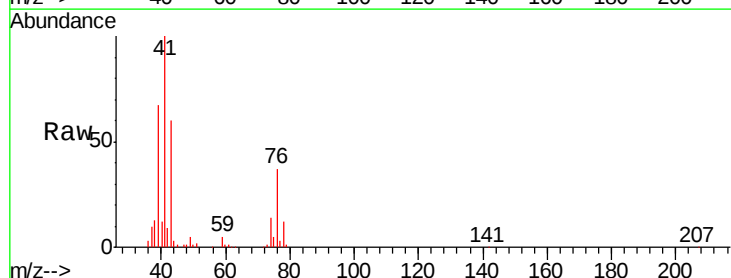
Tgt Ion: 41 Resp: 279376

Ion Ratio Lower Upper

41 100

39 62.2 50.6 76.0

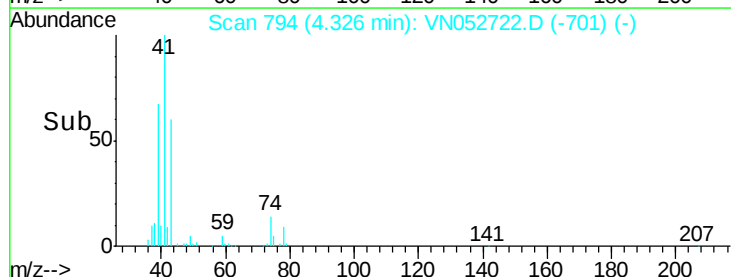
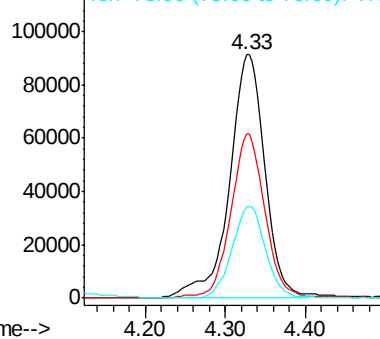
76 35.0 27.4 41.2

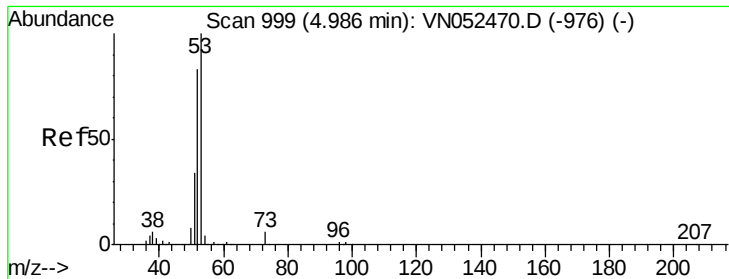


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.611 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

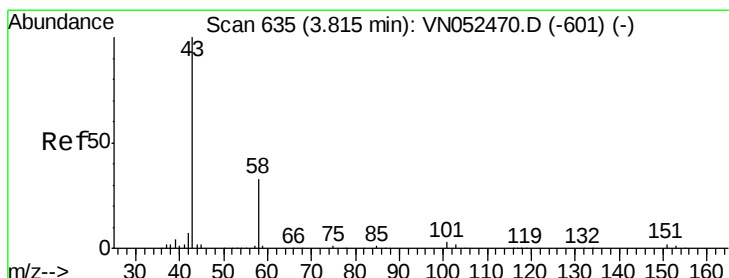
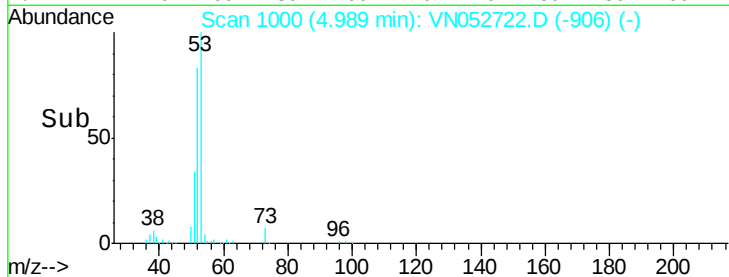
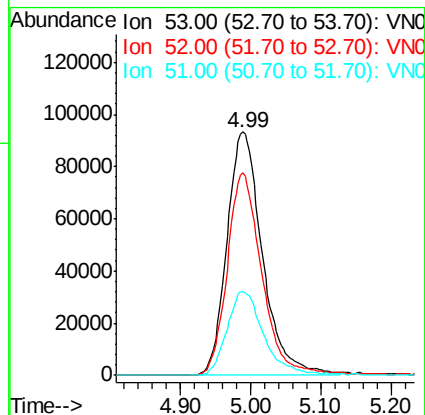
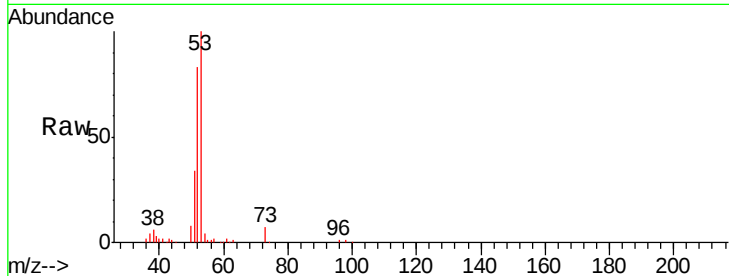
ClientSampleId :

VN1207WBS02

Tgt Ion:	53	Resp:	328023
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.2	99.2
51	35.5	28.1	42.1

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#16

Acetone

Concen: 107.275 ug/l

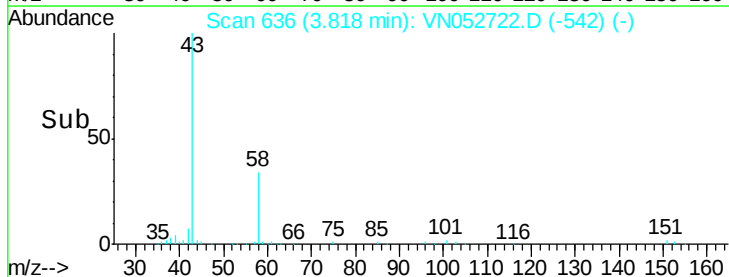
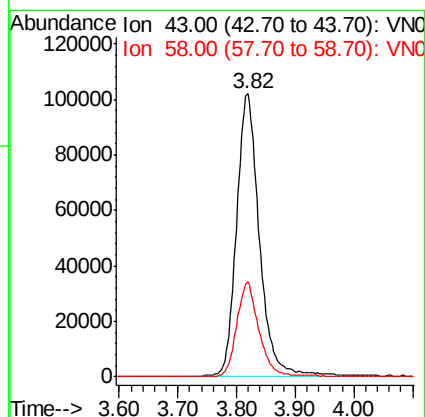
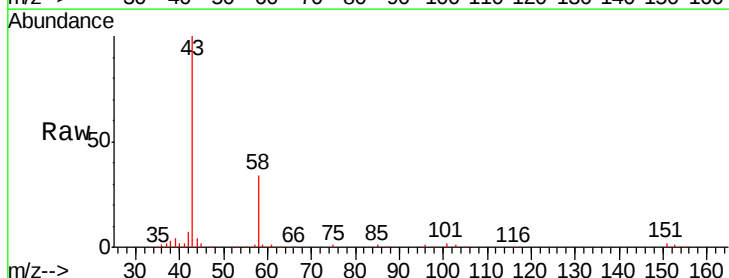
RT: 3.82 min Scan# 636

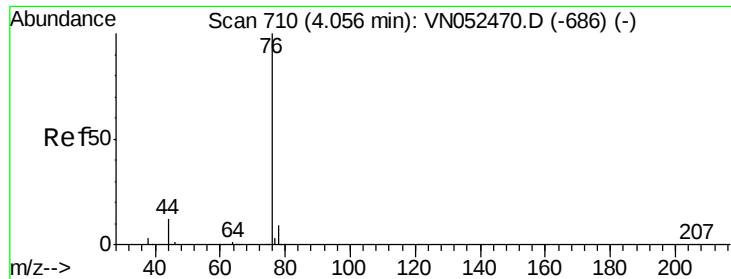
Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	43	Resp:	279966
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.0	39.0





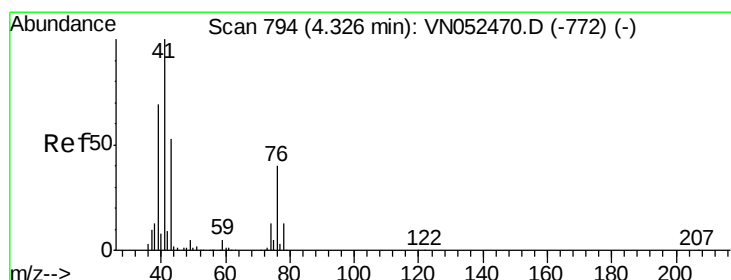
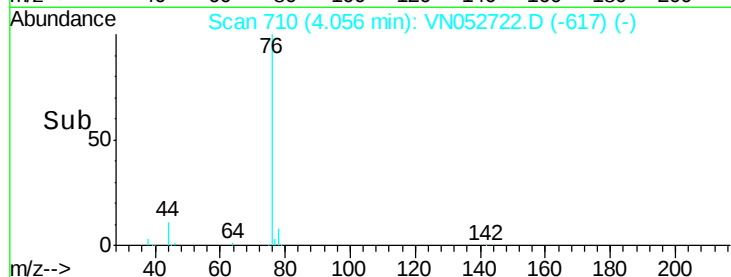
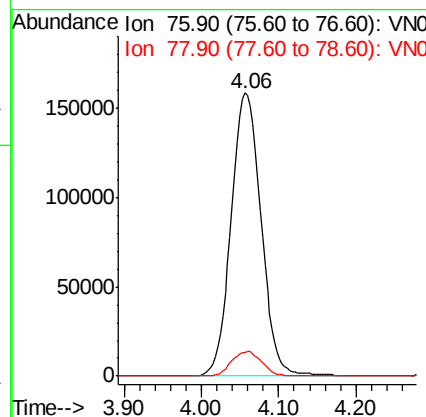
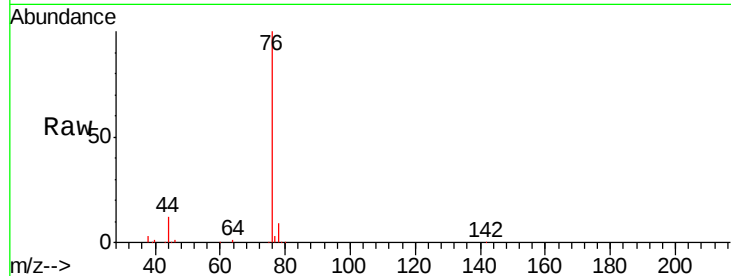
#17
Carbon Disulfide
Concen: 15.907 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion: 76 Resp: 426129
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

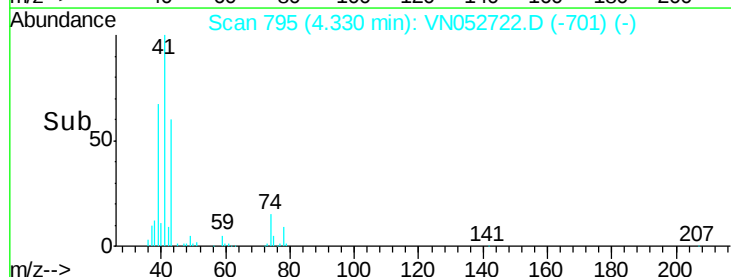
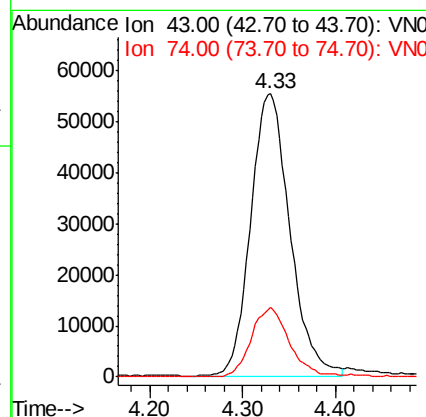
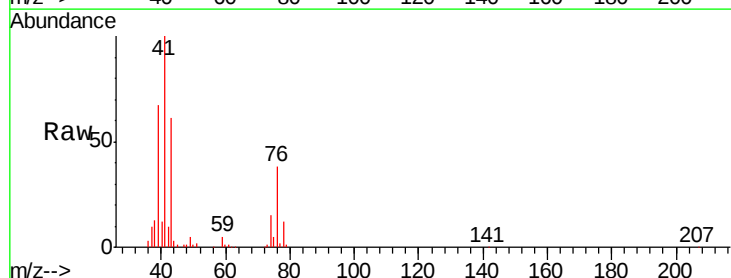
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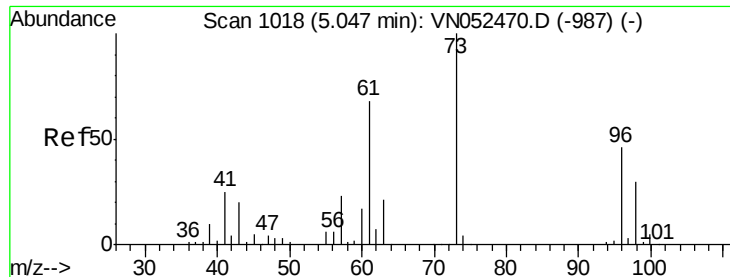
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12/10/2018 12:50:41 PM



#18
Methyl Acetate
Concen: 21.721 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion: 43 Resp: 162606
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 20.561 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 73 Resp: 465693

Ion Ratio Lower Upper

73 100

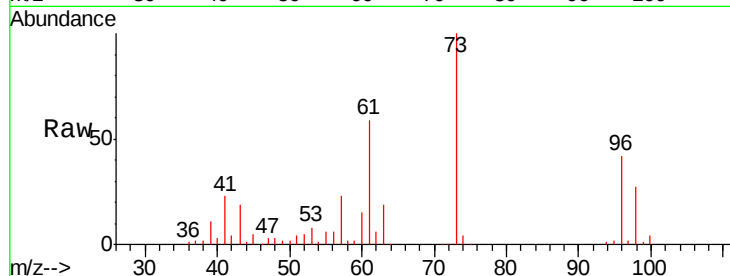
57 22.6 18.2 27.2

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Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-987) (-)

5.05

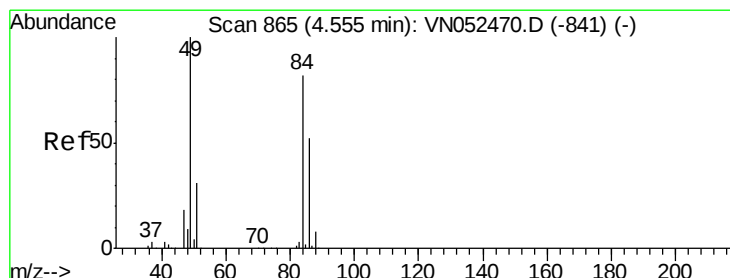
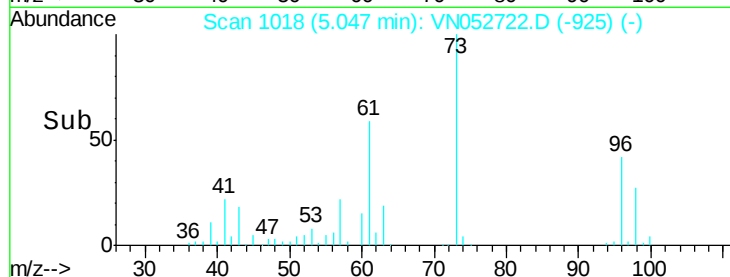
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 19.099 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion: 84 Resp: 195053

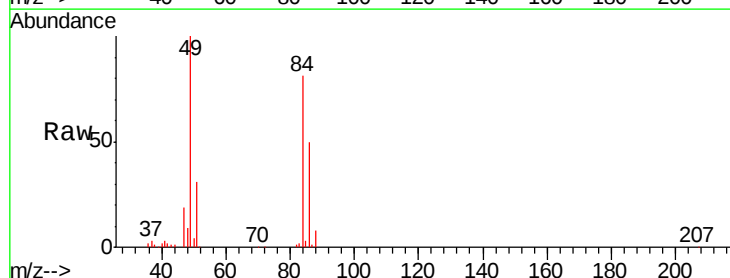
Ion Ratio Lower Upper

84 100

49 122.8 98.0 147.0

51 37.5 30.1 45.1

86 61.8 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

4.55

120000

100000

80000

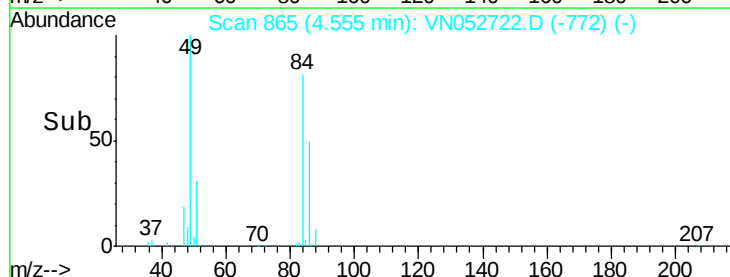
60000

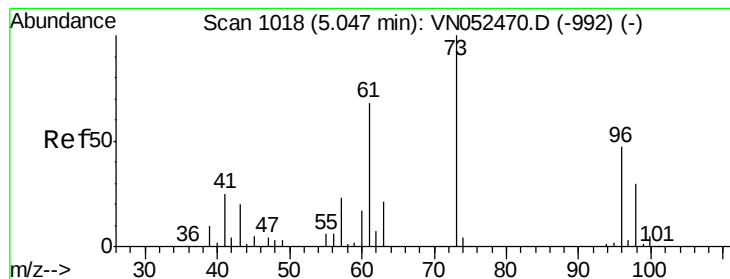
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.003 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 96 Resp: 172769

Ion Ratio Lower Upper

96 100

61 139.5 117.0 175.4

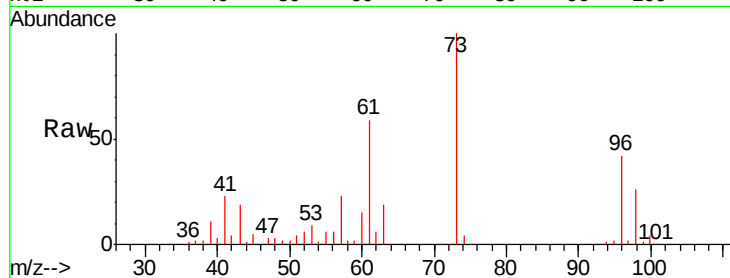
98 62.0 51.8 77.6

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12/10/2018 12:50:41 PM

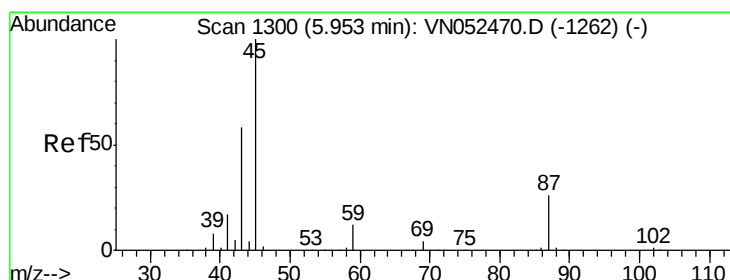
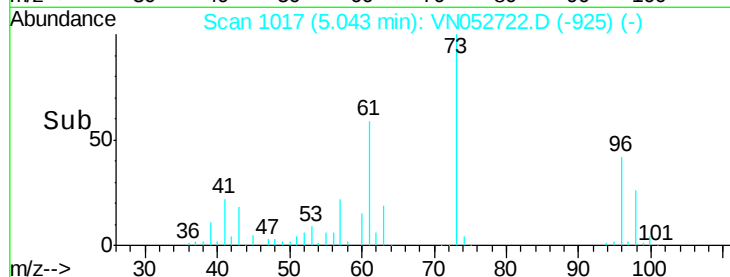
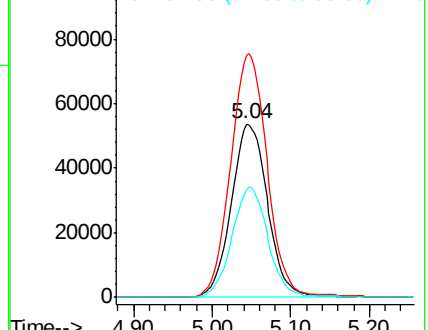


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.909 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion: 45 Resp: 613541

Ion Ratio Lower Upper

45 100

43 57.0 46.1 69.1

87 26.9 21.3 31.9

59 11.5 9.5 14.3

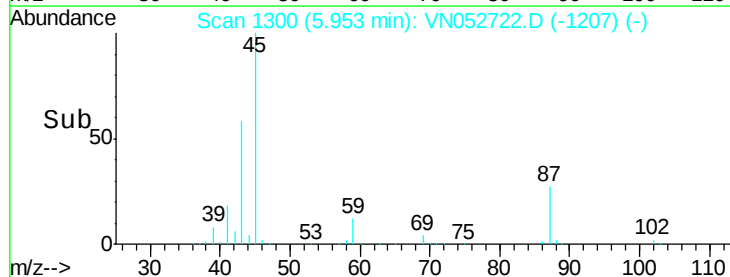
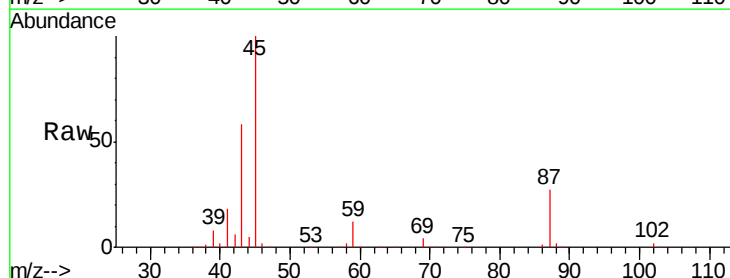
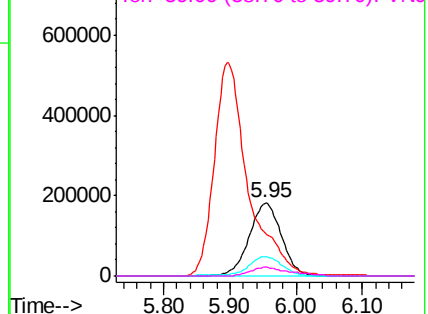
Abundance

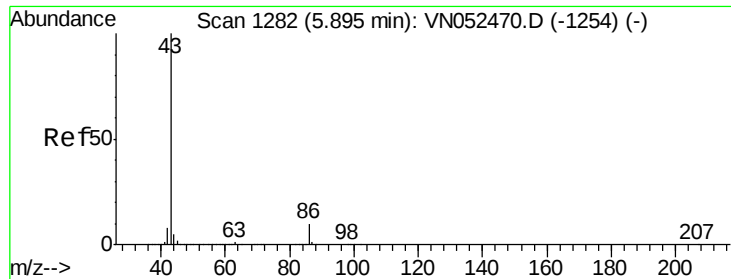
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





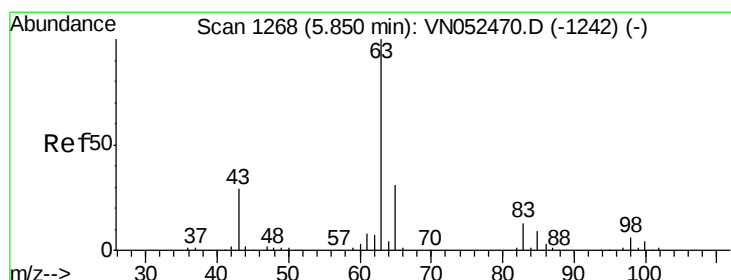
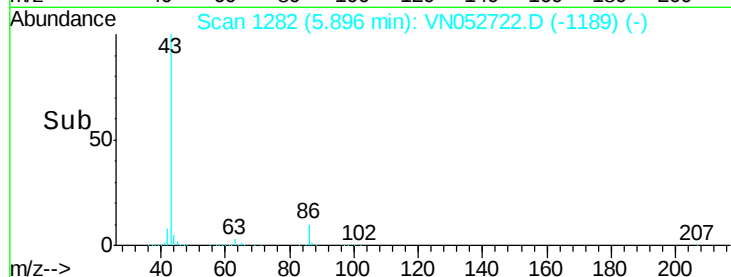
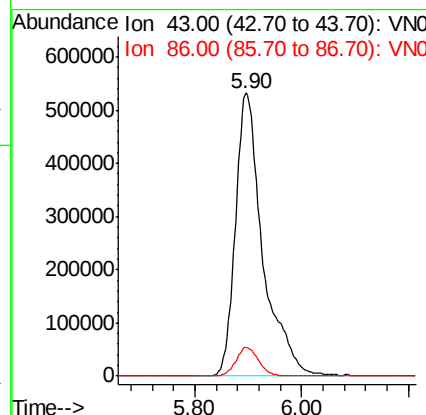
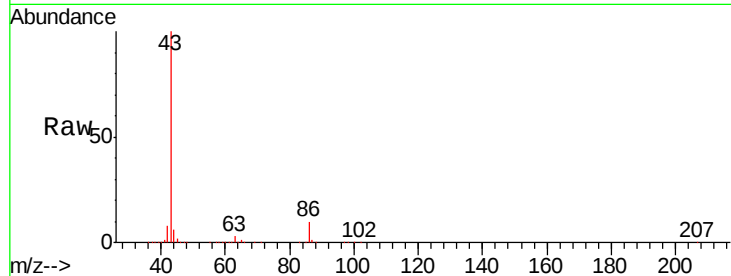
#23
 Vinyl Acetate
 Concen: 98.444 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 43 Resp: 1889628
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

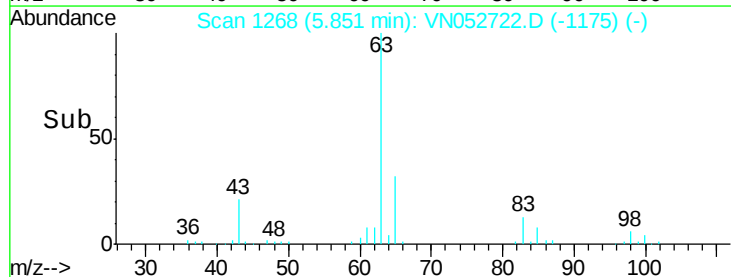
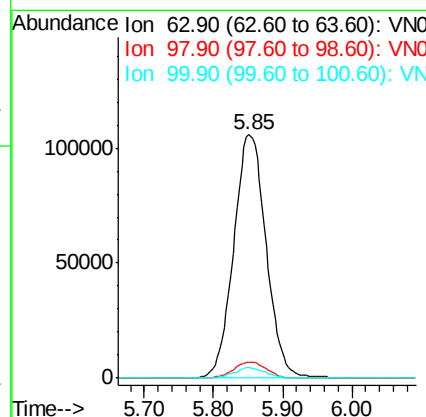
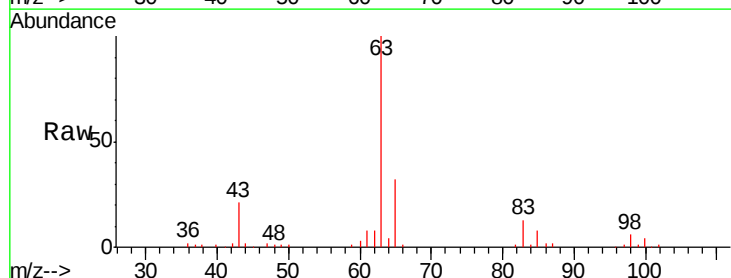
Manual Integrations
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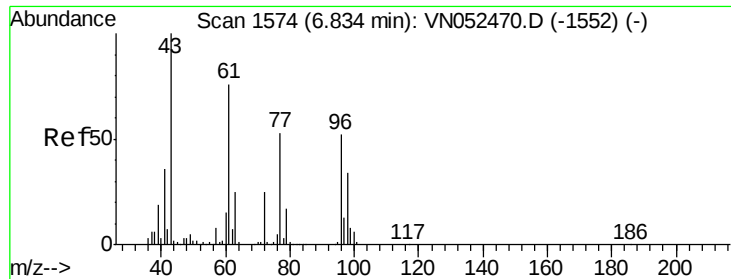
MMDadoda
 12/10/2018 12:50:41 PM



#24
 1,1-Dichloroethane
 Concen: 19.658 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 63 Resp: 345900
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.0 9.2
 100 4.2 2.0 5.8





#25

2-Butanone

Concen: 103.755 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 43 Resp: 383802

Ion Ratio Lower Upper

43 100

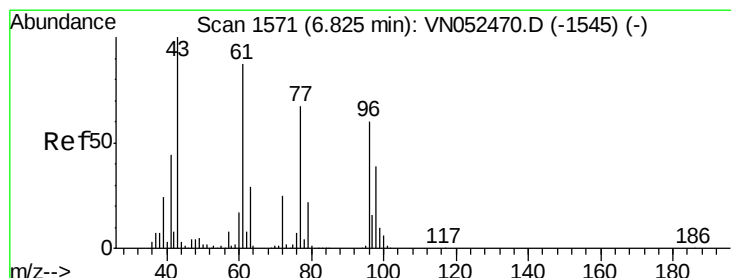
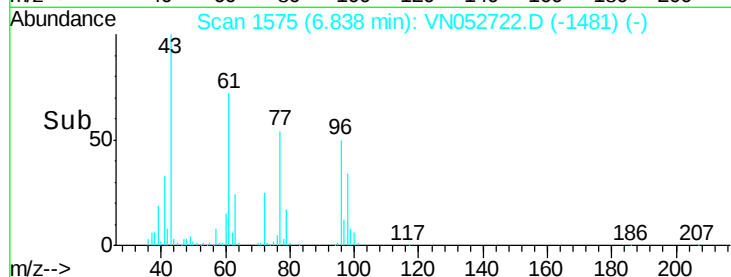
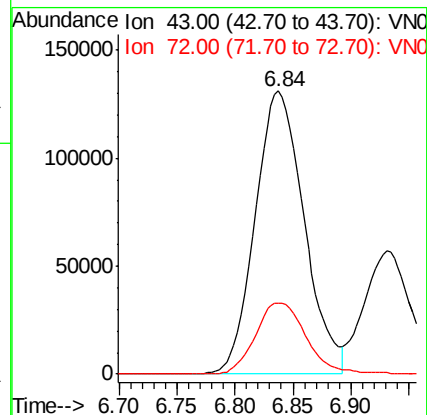
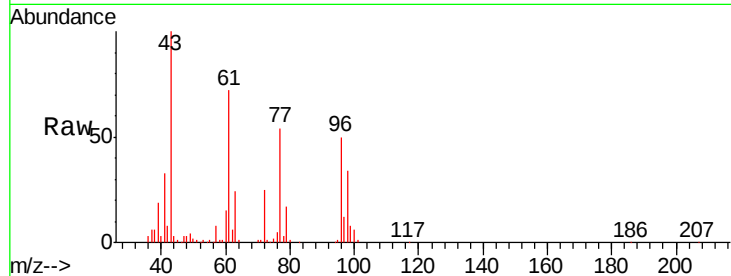
72 25.2 20.1 30.1

Manual Integrations

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12/10/2018 12:50:41 PM



#26

2,2-Dichloropropane

Concen: 20.572 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052722.D

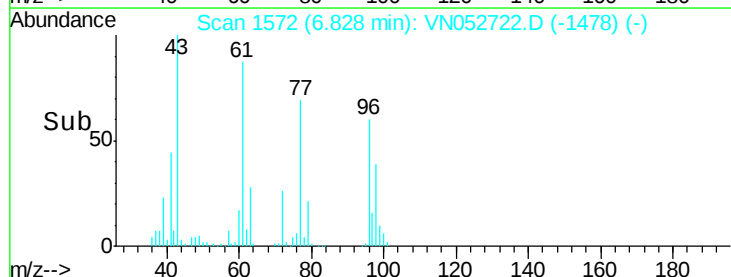
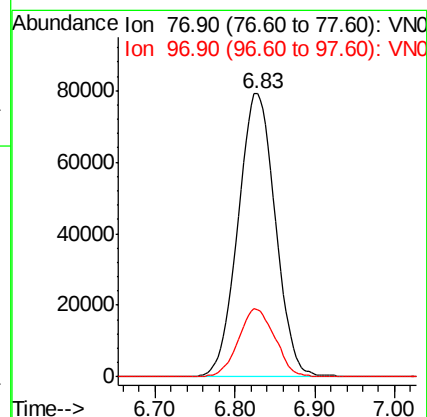
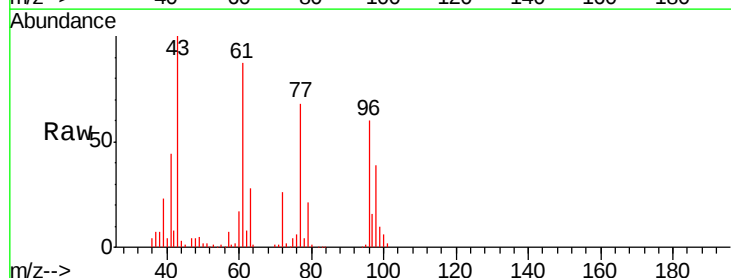
Acq: 7 Dec 2018 13:12

Tgt Ion: 77 Resp: 250557

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.409 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

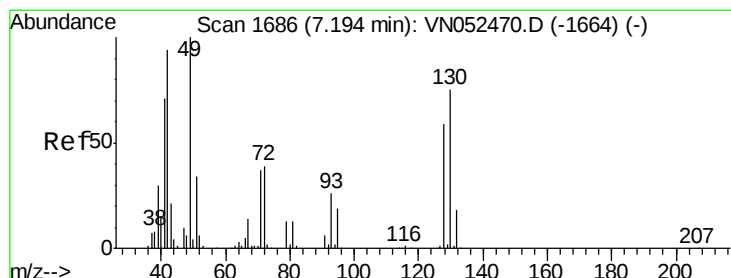
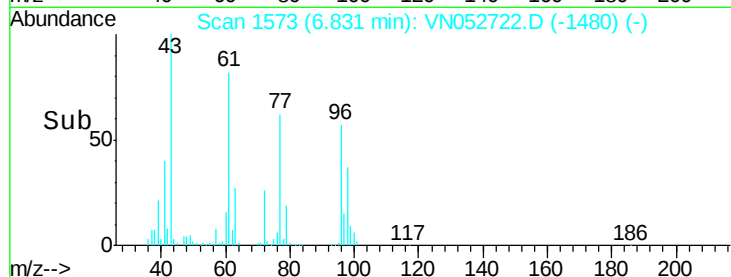
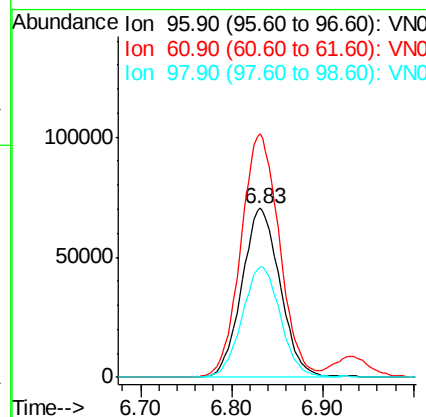
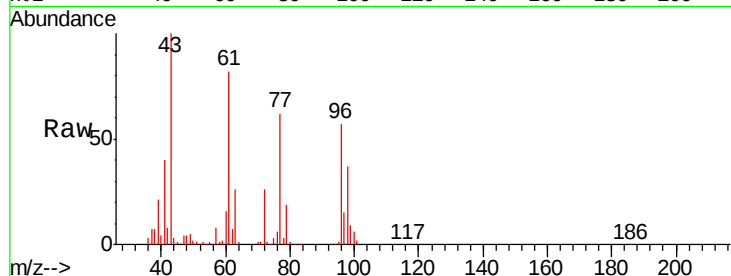
ClientSampleId :

VN1207WBS02

Tgt Ion:	96	Resp:	205549
Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	291.0
98	65.3	0.0	130.0

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#28

Bromochloromethane

Concen: 20.762 ug/l

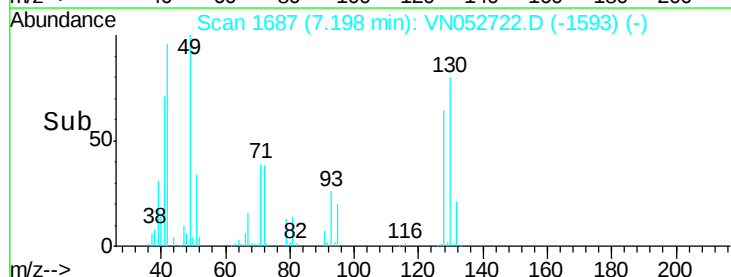
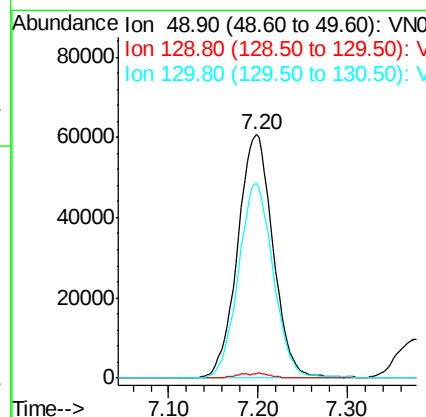
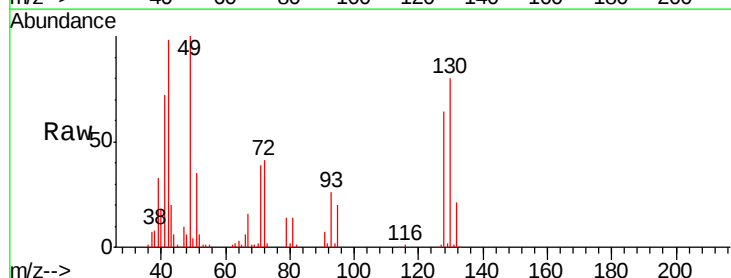
RT: 7.20 min Scan# 1687

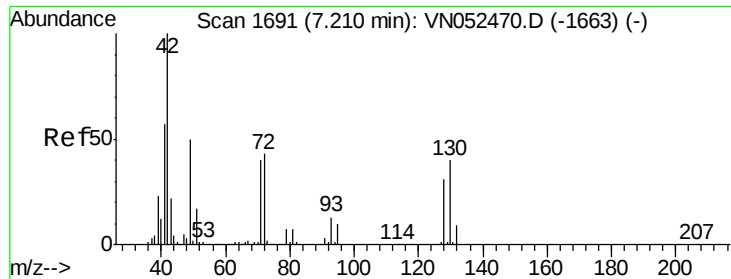
Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	49	Resp:	166863
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	78.4	60.2	90.2





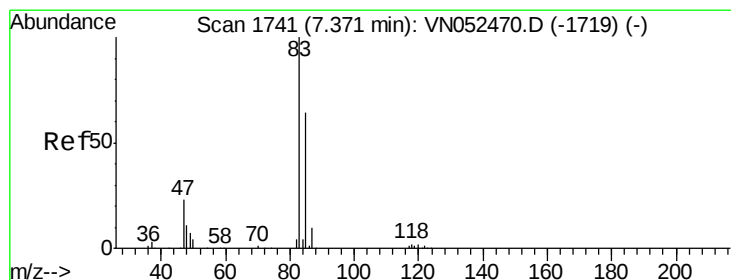
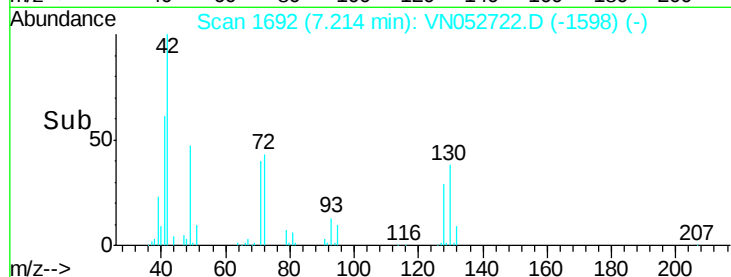
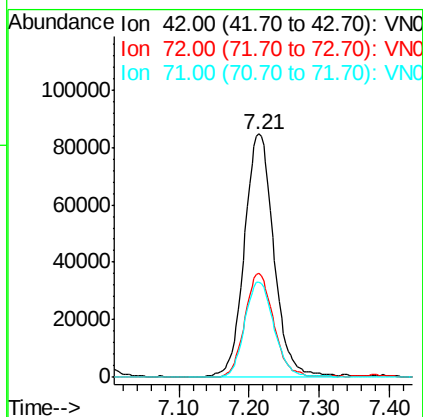
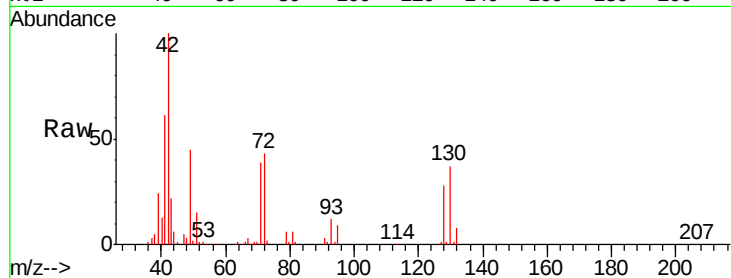
#29
Tetrahydrofuran
Concen: 103.698 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.3	49.9
71	38.7	32.0	48.0

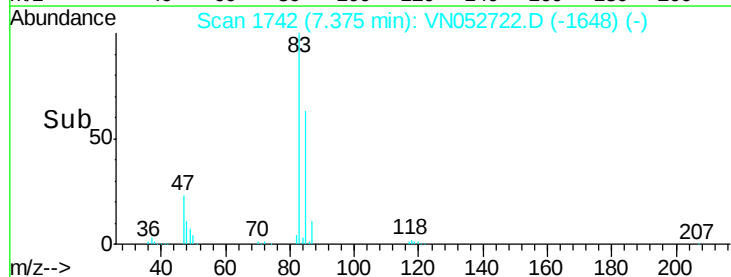
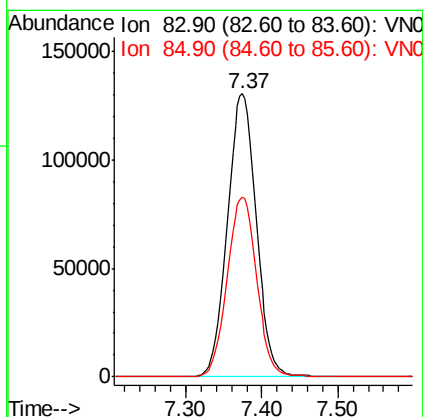
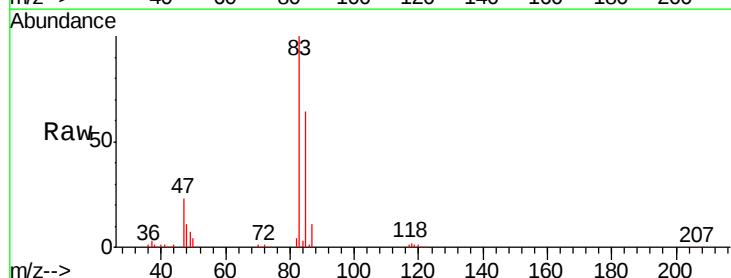
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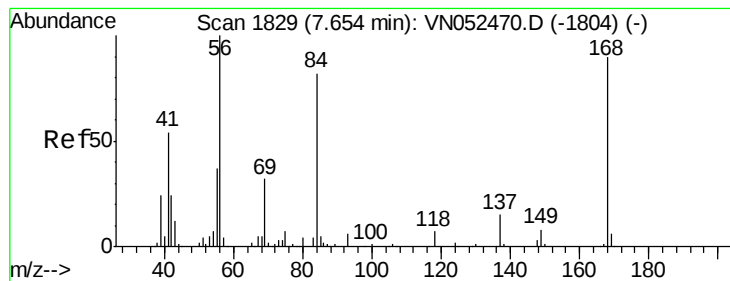
MMDadoda
12/10/2018 12:50:41 PM



#30
Chloroform
Concen: 19.686 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4





#31

Cyclohexane

Concen: 17.872 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 56 Resp: 308375
Ion Ratio Lower Upper

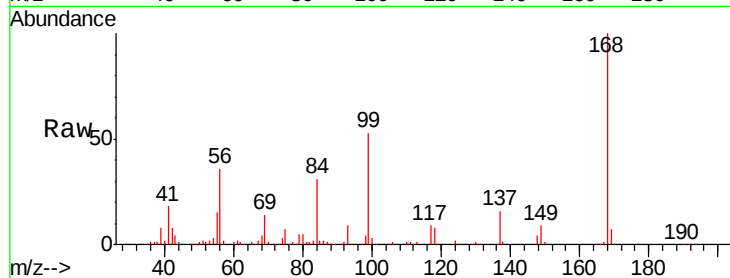
56 100

69 38.2 25.8 38.6

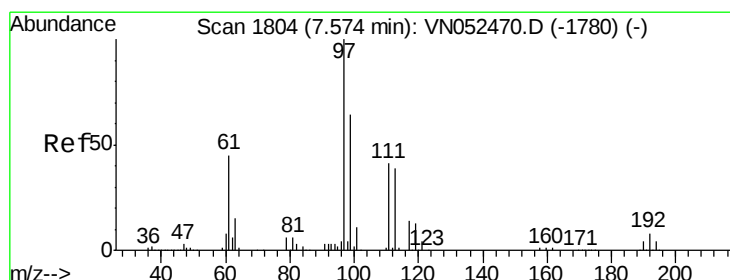
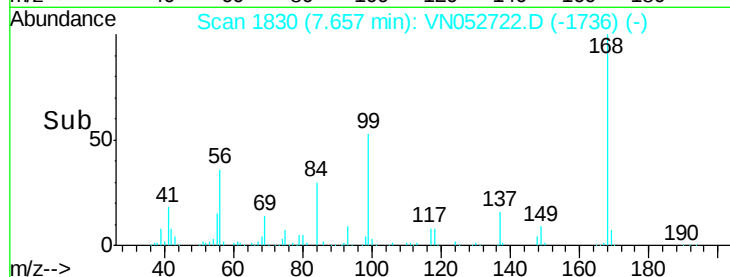
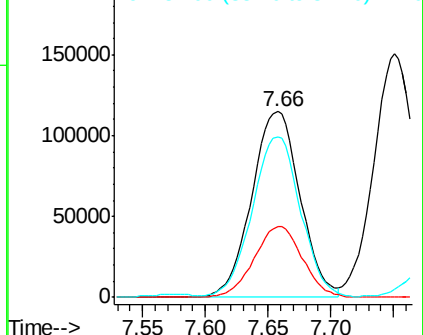
84 85.2 65.3 97.9

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



#32

1,1,1-Trichloroethane

Concen: 20.086 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052722.D

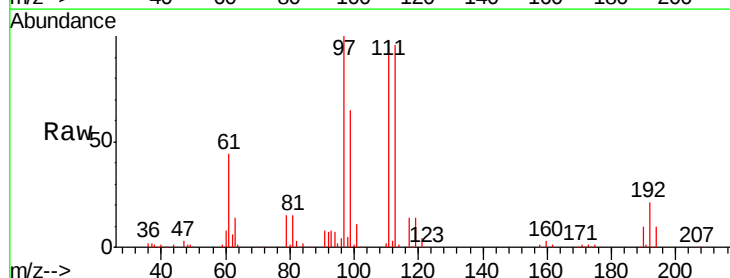
Acq: 7 Dec 2018 13:12

Tgt Ion: 97 Resp: 279386
Ion Ratio Lower Upper

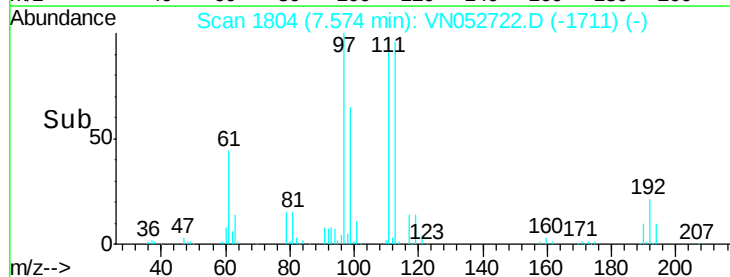
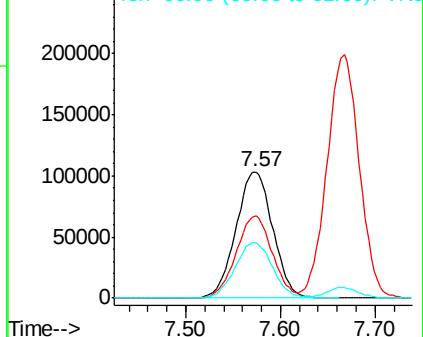
97 100

99 63.9 51.7 77.5

61 44.8 36.8 55.2



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





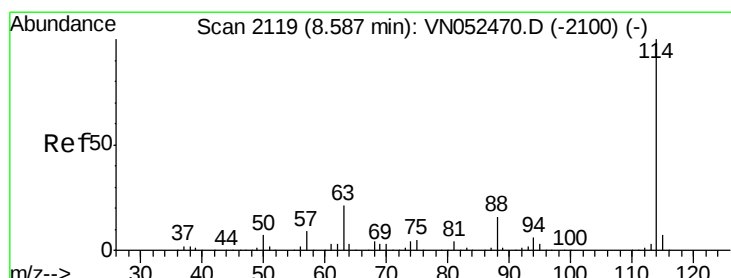
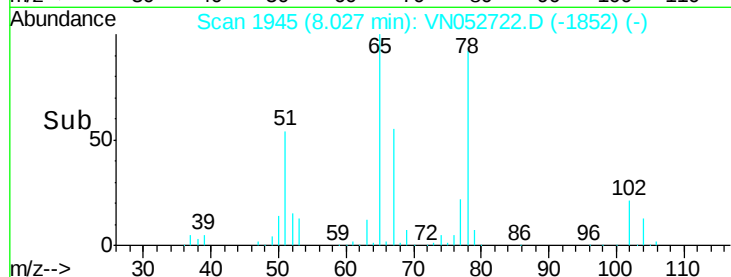
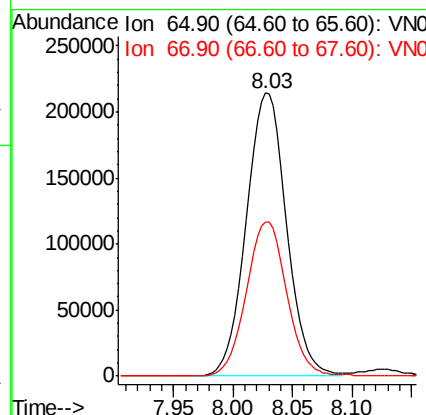
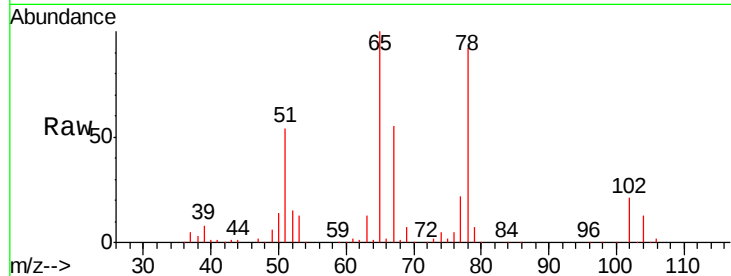
#33
 1,2-Dichloroethane-d4
 Concen: 20.086 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 65 Resp: 501945
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8

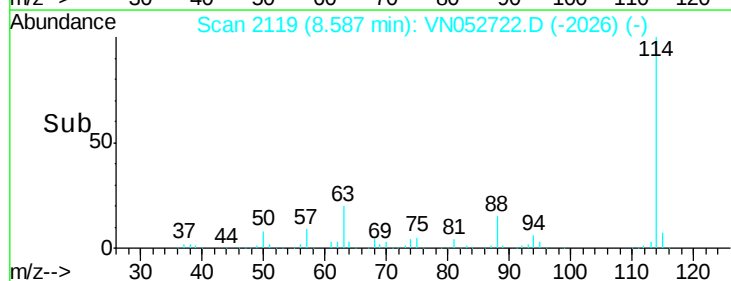
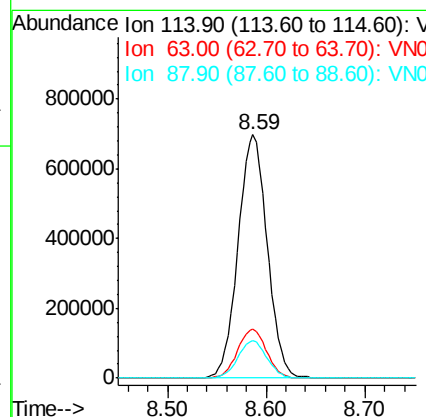
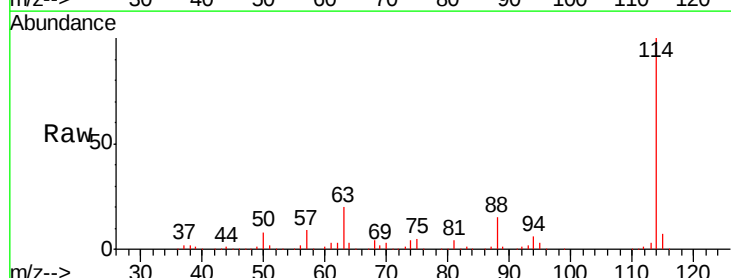
Manual Integrations
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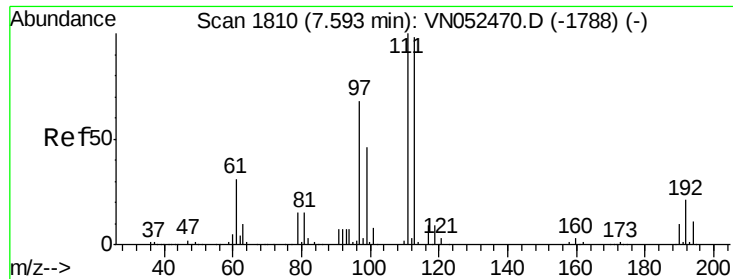
MMDadoda
 12/10/2018 12:50:41 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 114 Resp: 1432384
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.8
 88 15.4 0.0 31.6





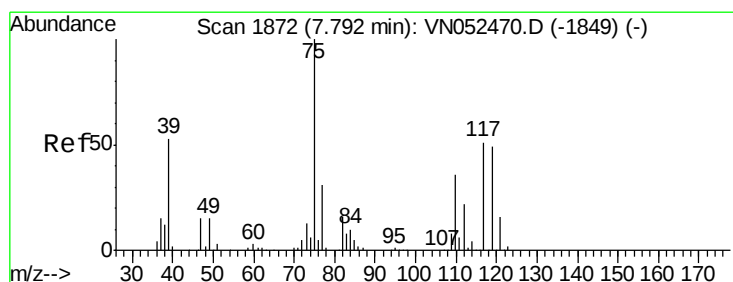
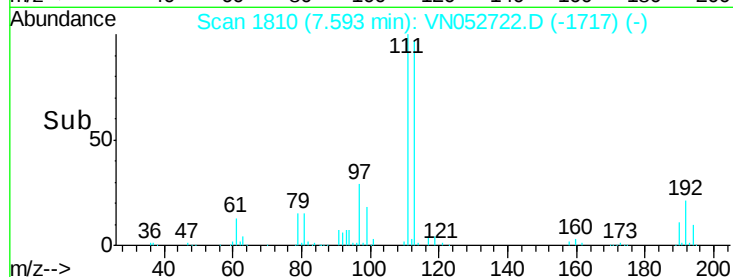
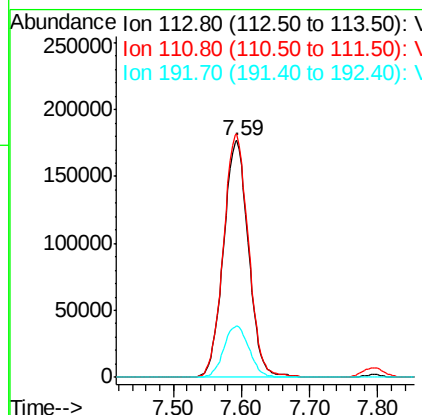
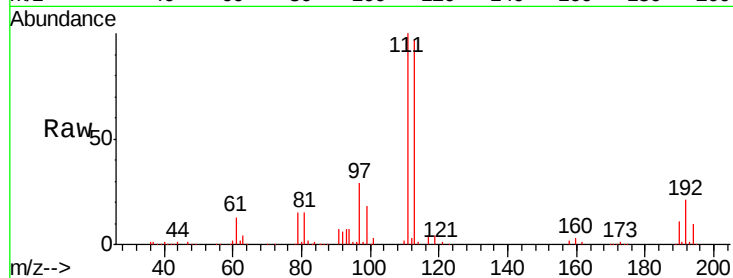
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	450947		
111	102.6	82.0	123.0	
192	22.0	17.0	25.6	

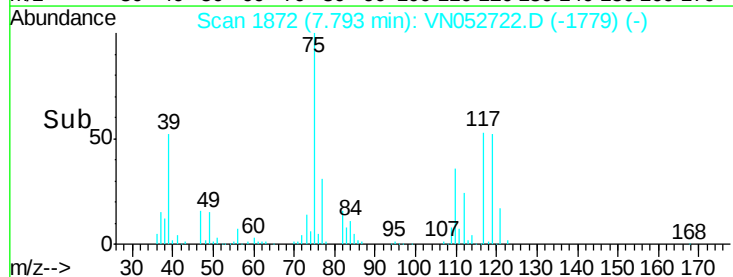
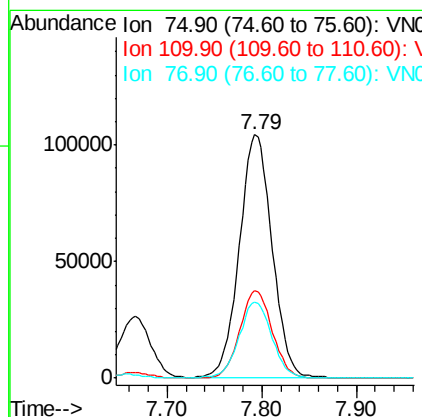
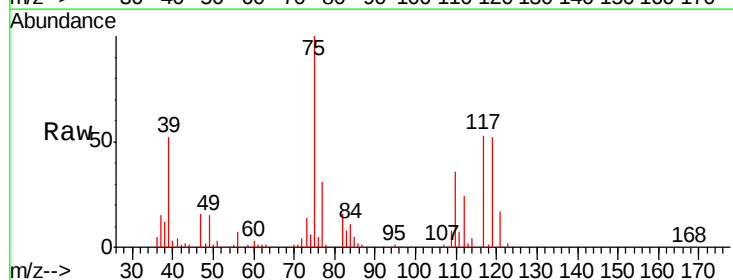
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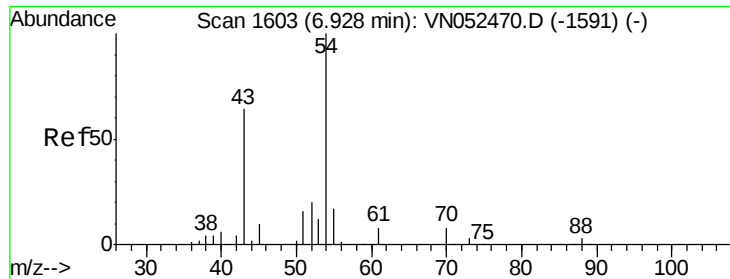
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#36
 1,1-Dichloropropene
 Concen: 18.534 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	250698		
110	35.7	17.5	52.6	
77	31.6	24.5	36.7	





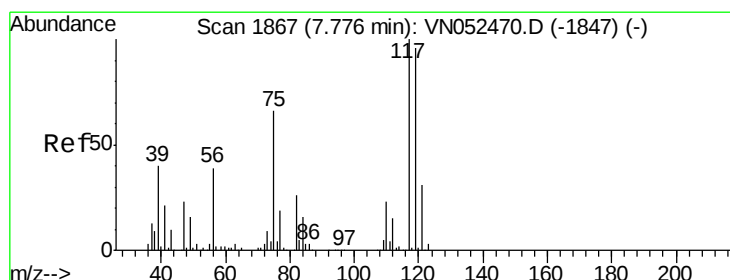
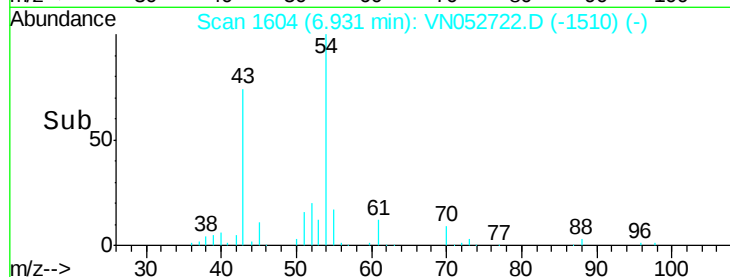
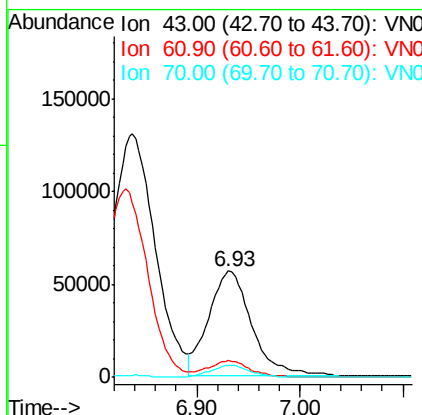
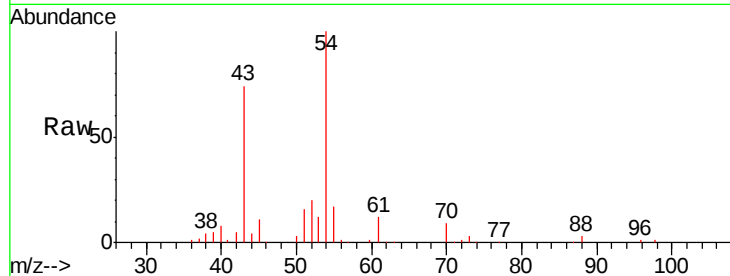
#37
Ethyl Acetate
Concen: 19.778 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion: 43 Resp: 163267
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 10.8 7.8 11.8

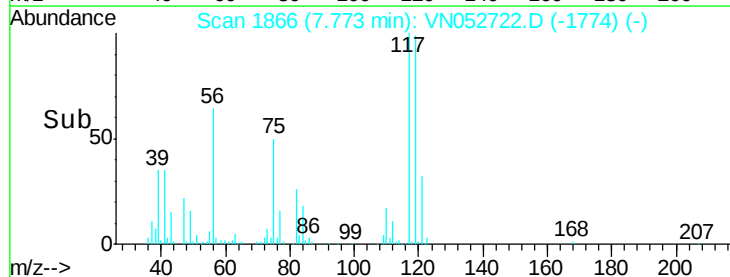
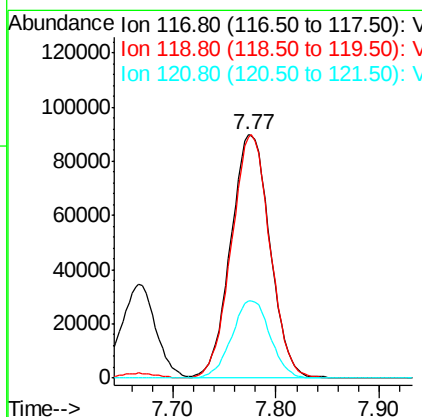
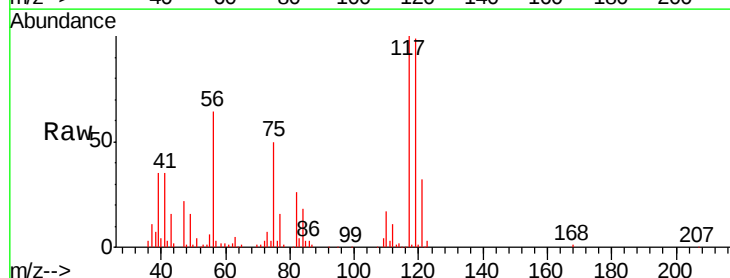
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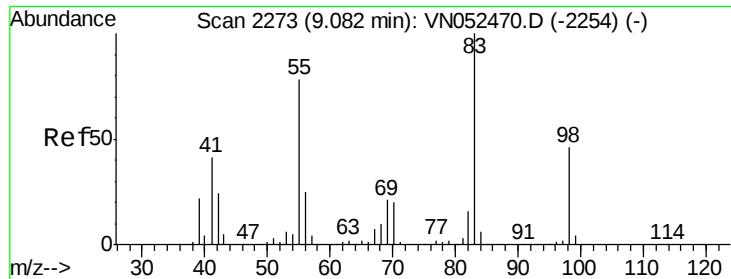
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.296 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion: 117 Resp: 236281
Ion Ratio Lower Upper
117 100
119 99.6 76.8 115.2
121 31.9 24.9 37.3





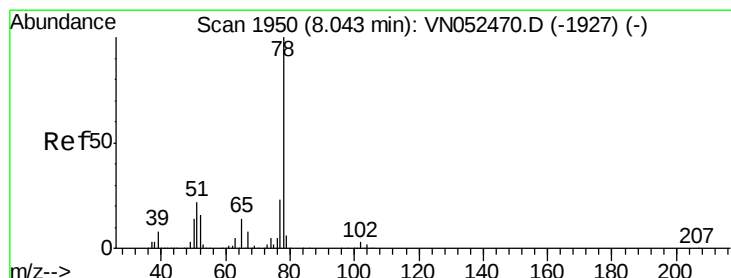
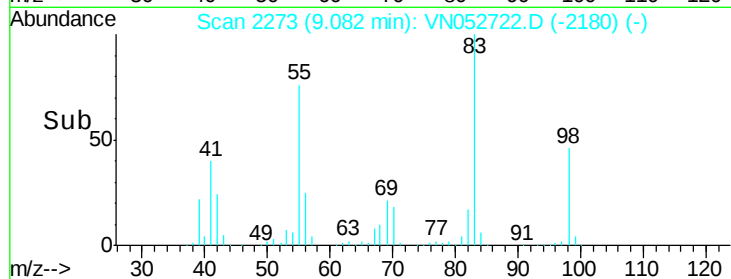
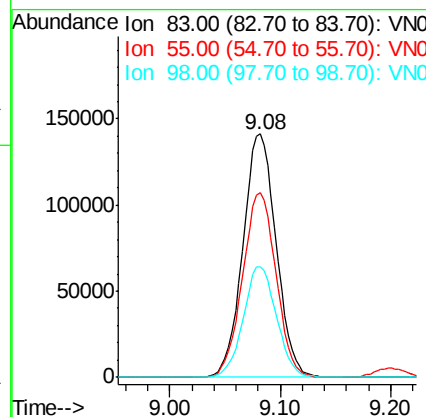
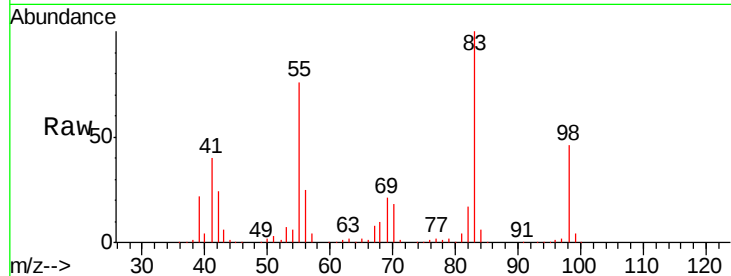
#39
Methylcyclohexane
Concen: 17.957 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	295221		
55	75.7	62.2	93.2	
98	45.6	36.4	54.6	

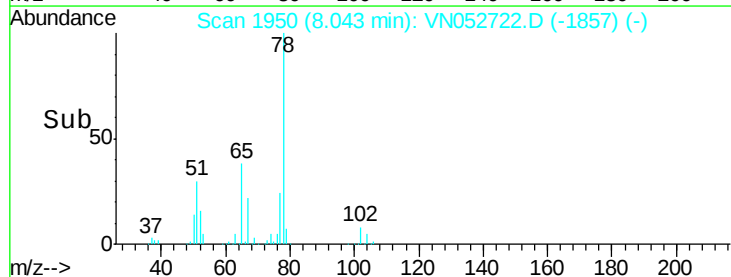
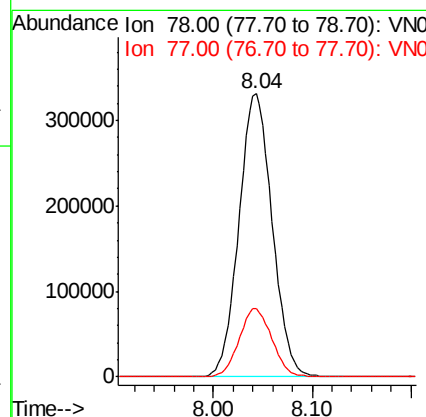
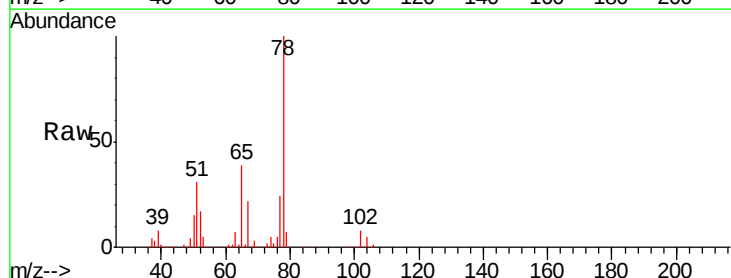
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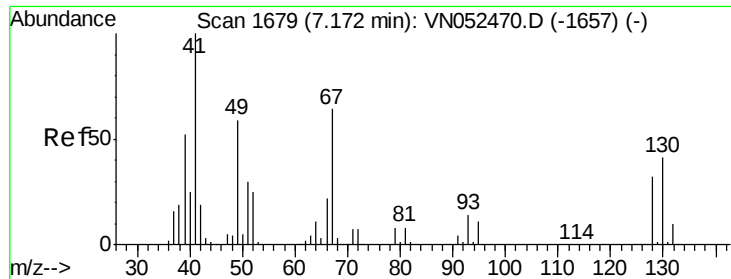
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#40
Benzene
Concen: 19.166 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	772624		
77	24.2	18.8	28.2	





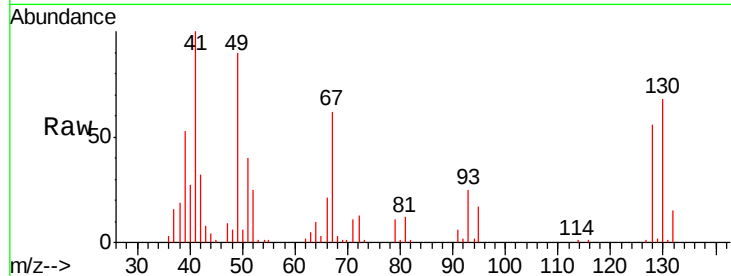
#41
Methacrylonitrile
Concen: 19.849 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

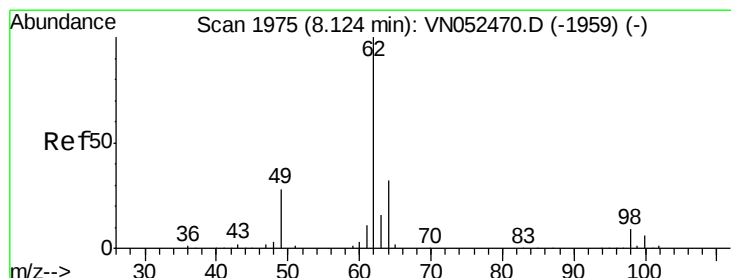
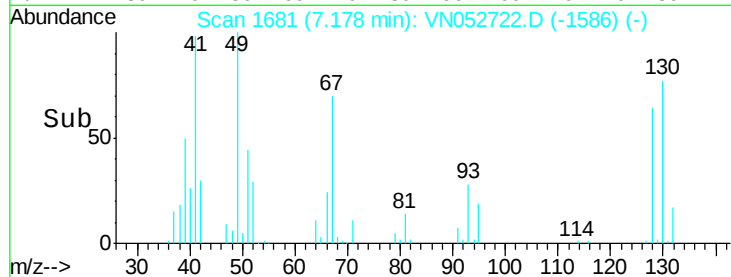
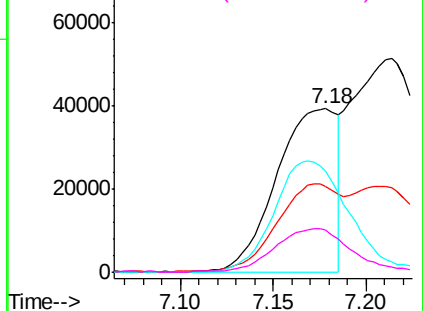
Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.5	50.9	76.3
67	84.6	63.6	95.4
52	33.9	24.4	36.6

Manual Integrations
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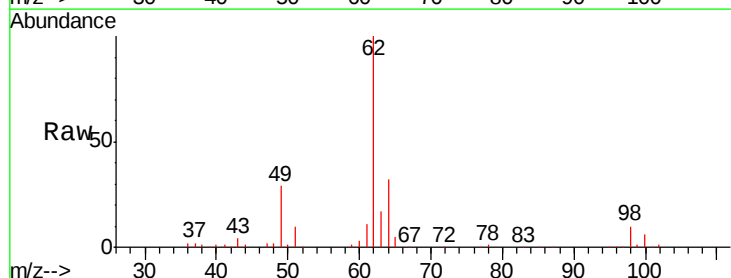


Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-1657) (-)

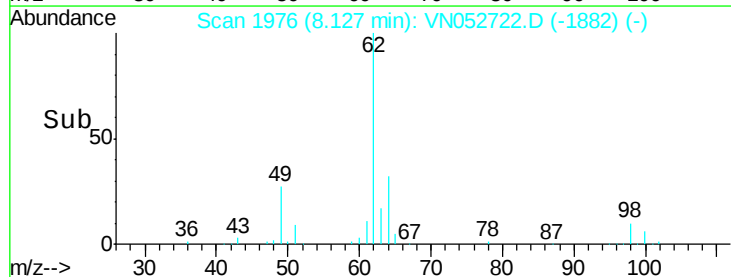
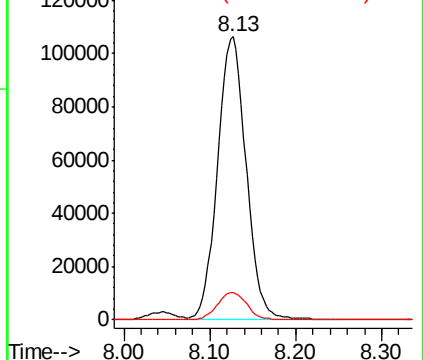


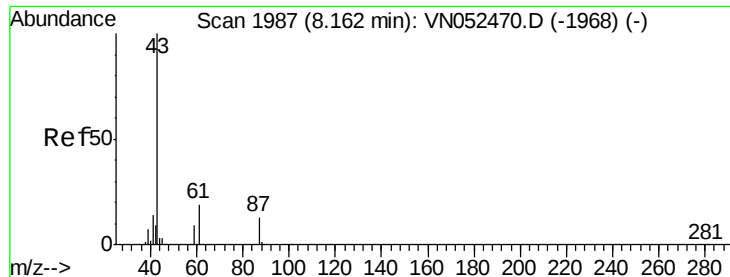
#42
1,2-Dichloroethane
Concen: 20.128 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN052470.D (-1959) (-)





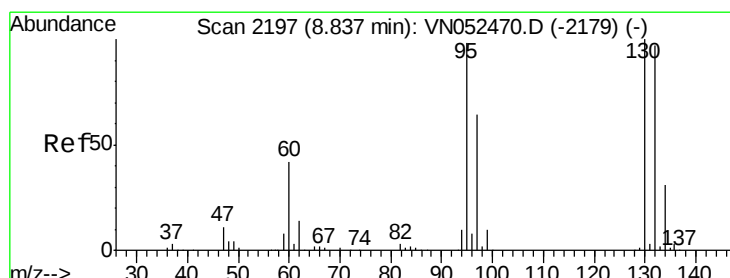
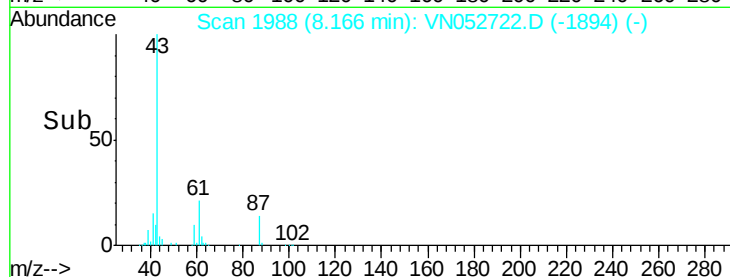
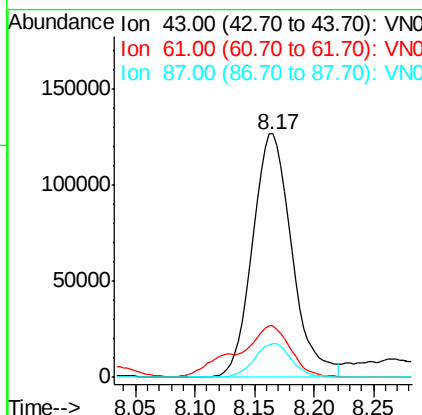
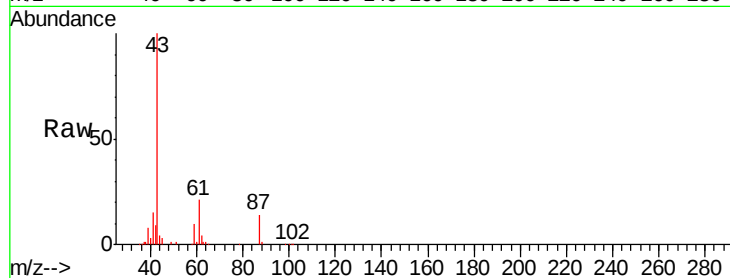
#43
Isopropyl Acetate
Concen: 20.756 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.0	24.1	36.1#
87	13.1	10.6	15.8

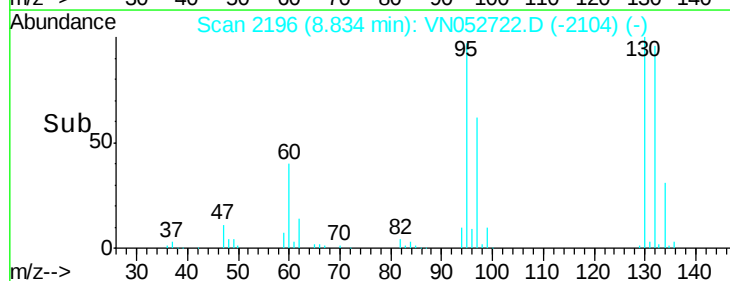
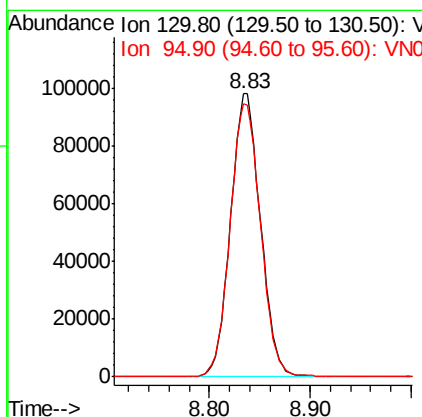
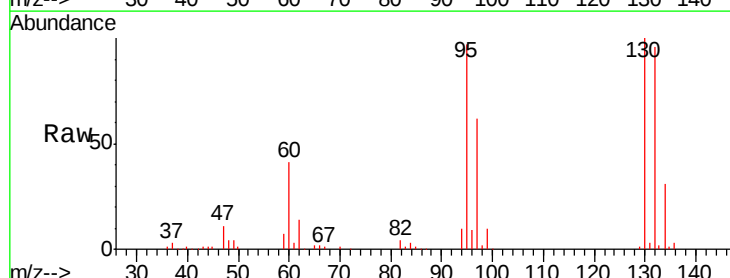
Manual Integrations
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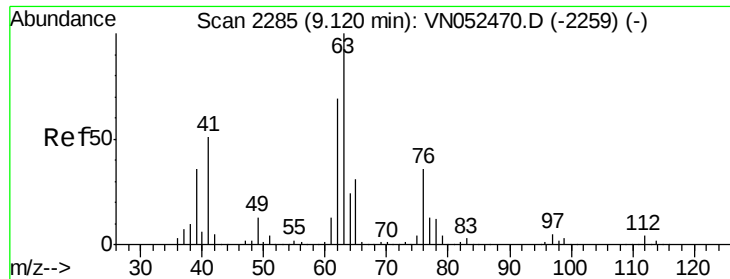
MMDadoda
12/10/2018 12:50:41 PM



#44
Trichloroethene
Concen: 19.545 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	195.6





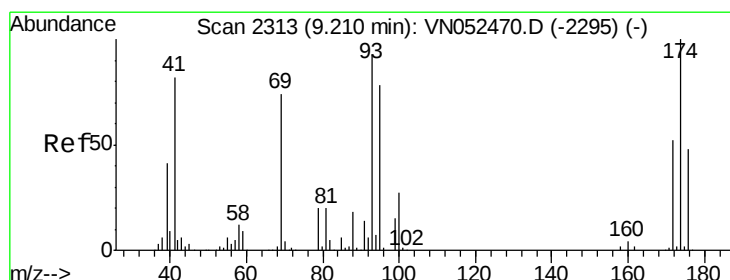
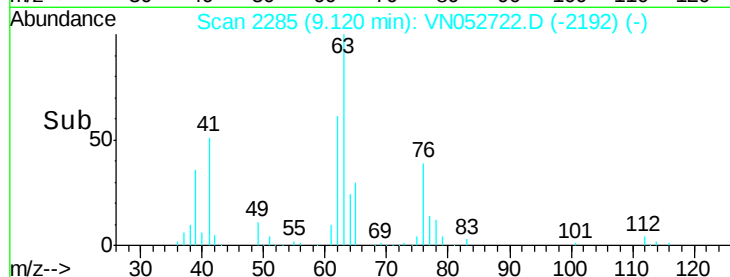
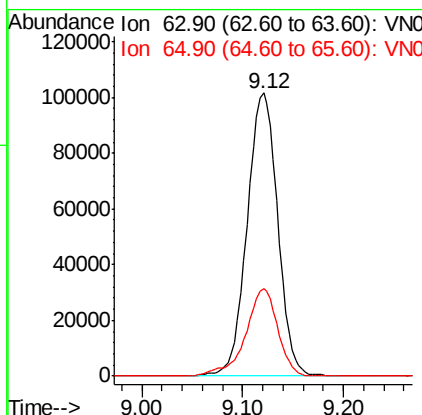
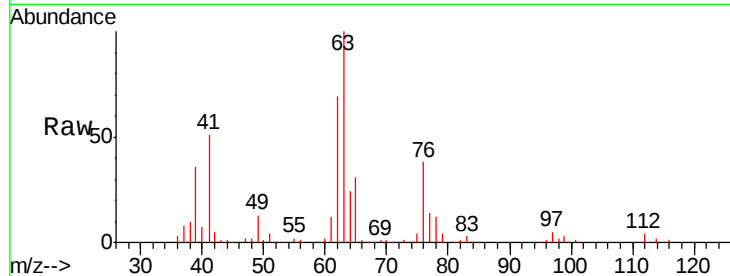
#45
 1,2-Dichloropropane
 Concen: 19.824 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 63 Resp: 212458
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

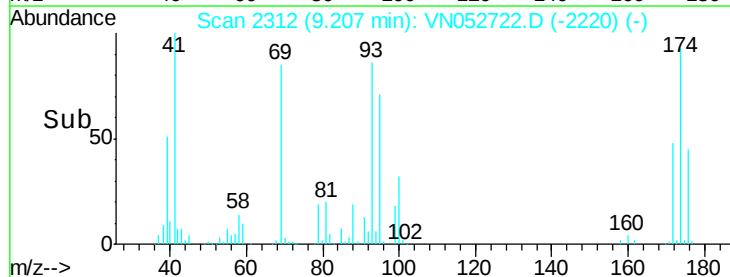
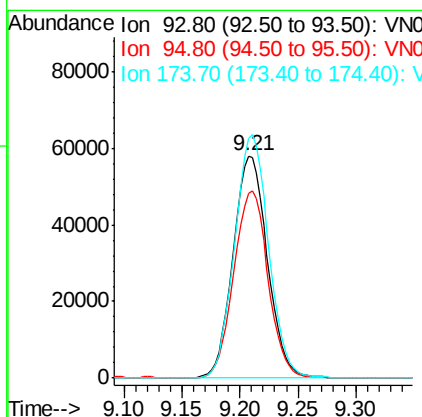
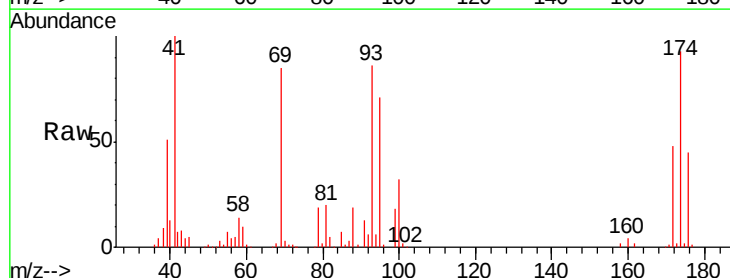
Manual Integrations
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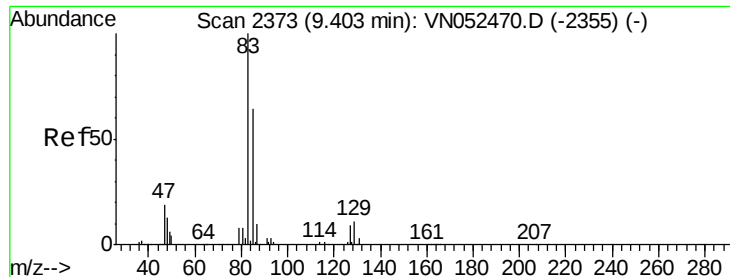
MMDadoda
 12/10/2018 12:50:41 PM



#46
 Dibromomethane
 Concen: 20.126 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 93 Resp: 119407
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.1 100.7
 174 108.6 85.8 128.8





#47

Bromodichloromethane

Concen: 19.862 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

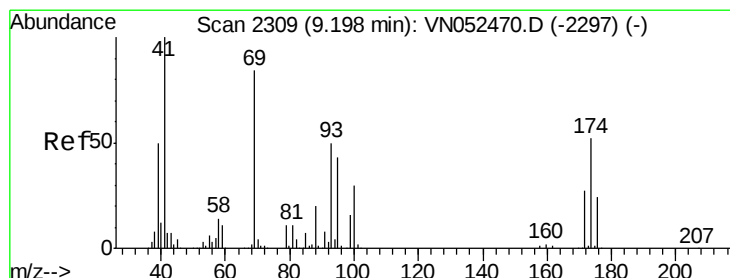
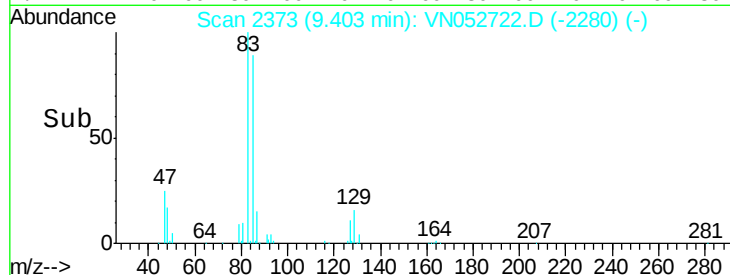
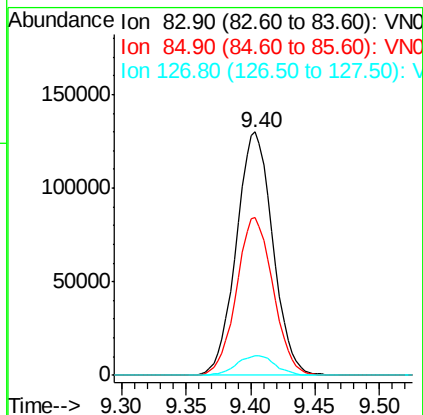
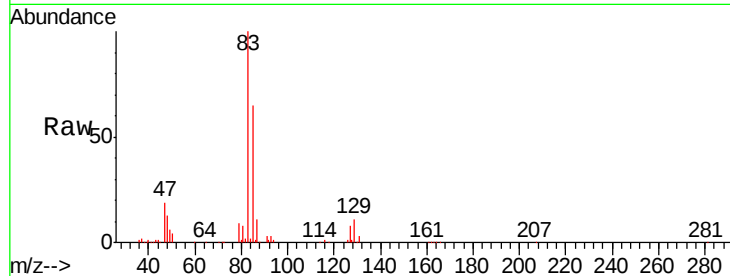
ClientSampleId :

VN1207WBS02

Tgt Ion:	83	Resp:	256205
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.3	76.9
127	8.1	6.9	10.3

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#48

Methyl methacrylate

Concen: 19.854 ug/l

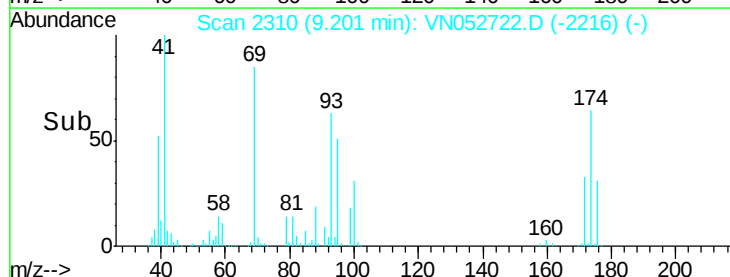
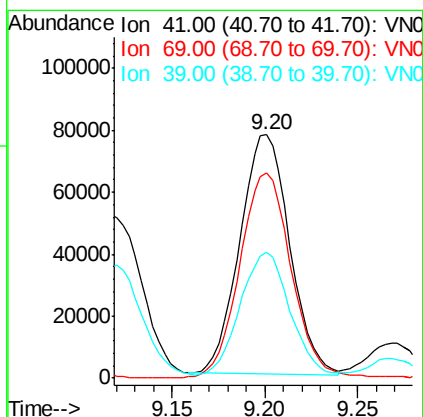
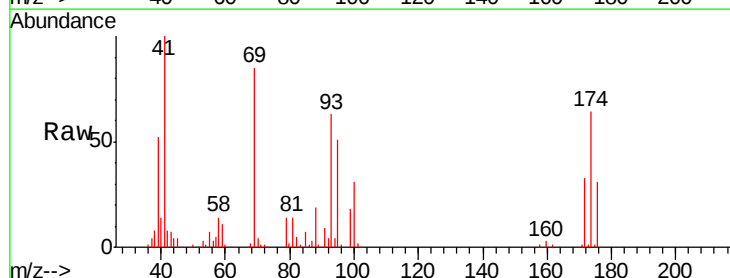
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	41	Resp:	144628
Ion Ratio	Lower	Upper	
41	100		
69	89.2	70.0	105.0
39	53.6	42.6	64.0





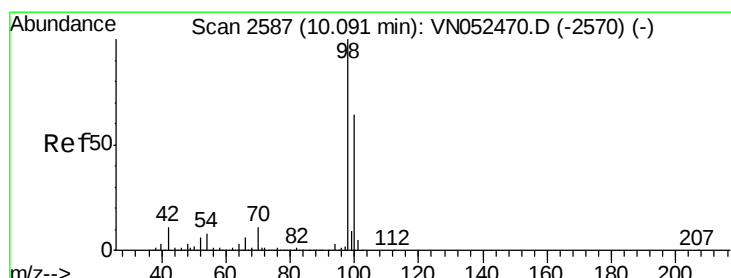
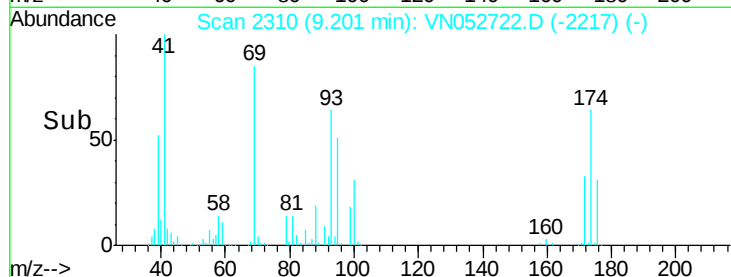
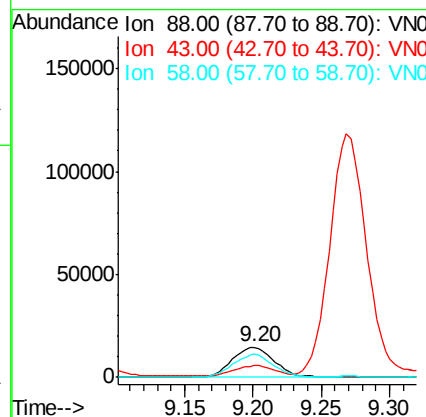
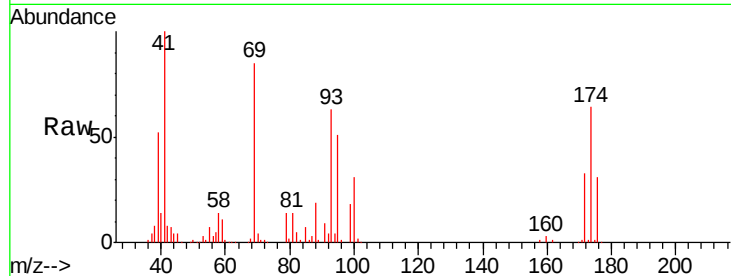
#49
1,4-Dioxane
Concen: 419.011 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	34.9	26.4	39.6
58	73.8	55.4	83.0

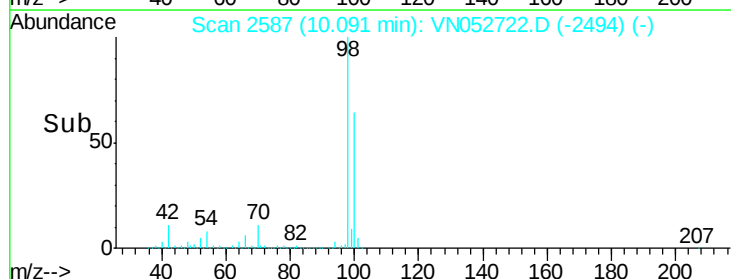
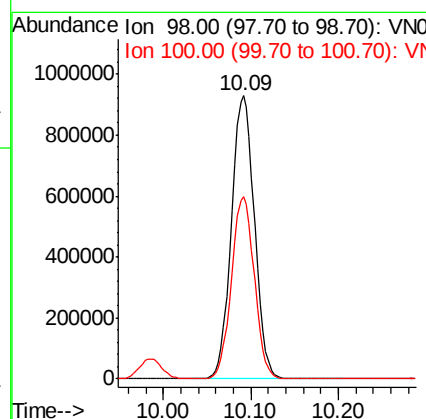
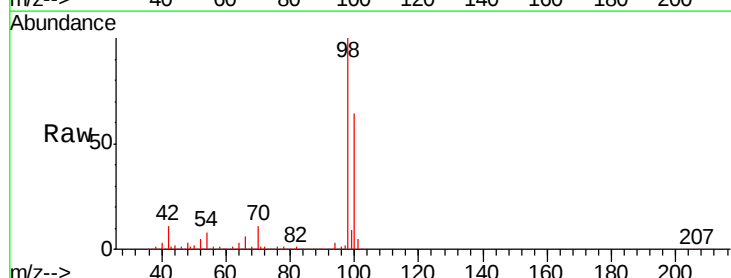
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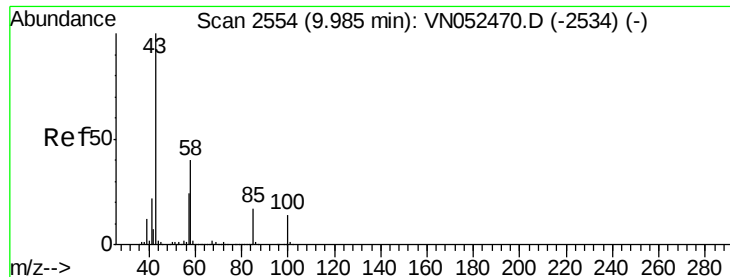
MMDadoda
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#50
Toluene-d8
Concen: 419.011 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.3	76.9





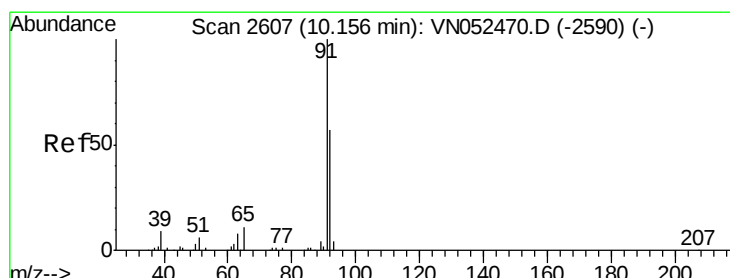
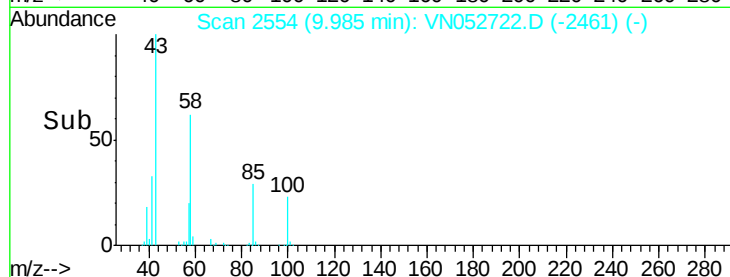
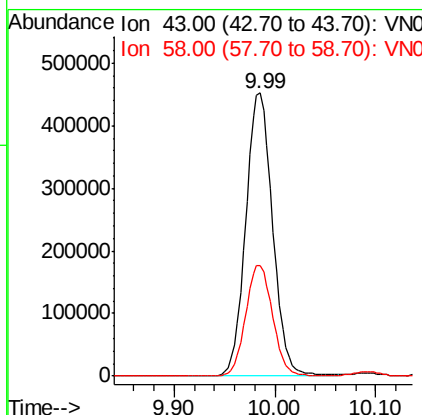
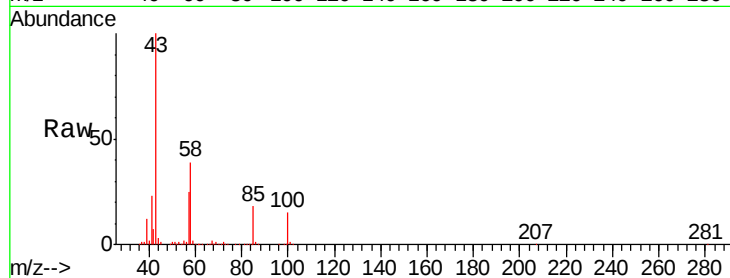
#51
 4-Methyl-2-Pentanone
 Concen: 105.494 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 43 Resp: 826884
 Ion Ratio Lower Upper
 43 100
 58 39.4 31.5 47.3

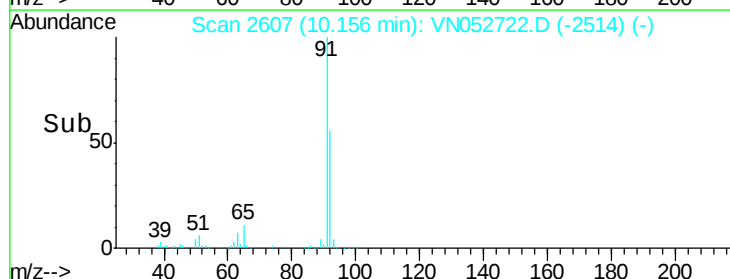
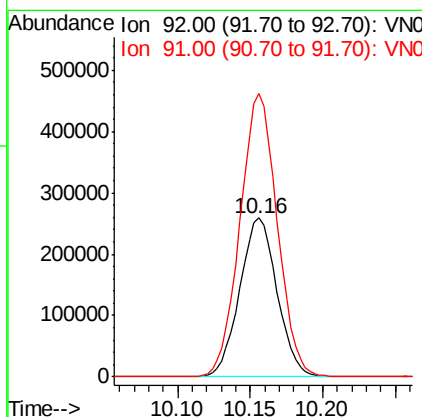
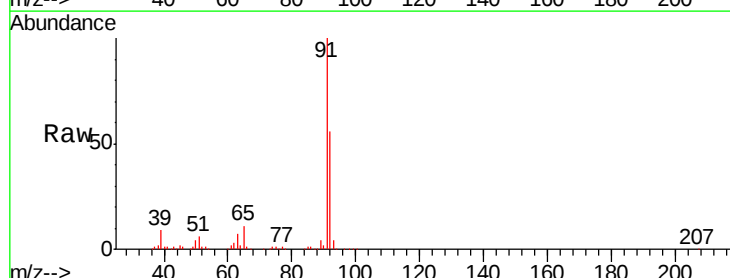
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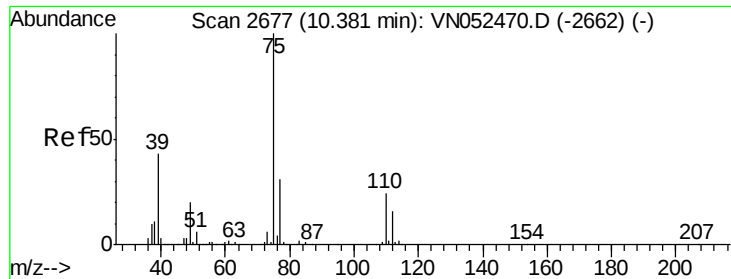
MMDadoda
 12/10/2018 12:50:41 PM



#52
 Toluene
 Concen: 19.358 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 92 Resp: 463632
 Ion Ratio Lower Upper
 92 100
 91 178.2 141.0 211.4





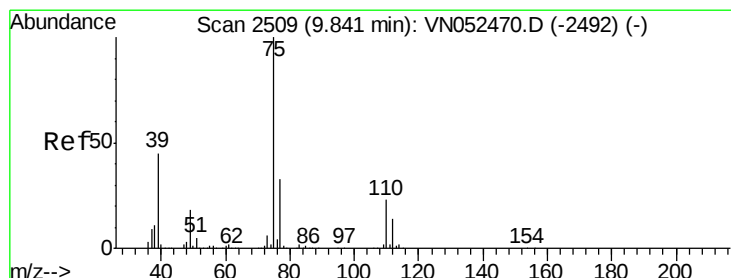
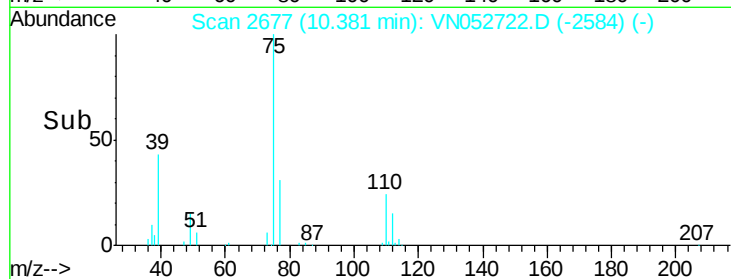
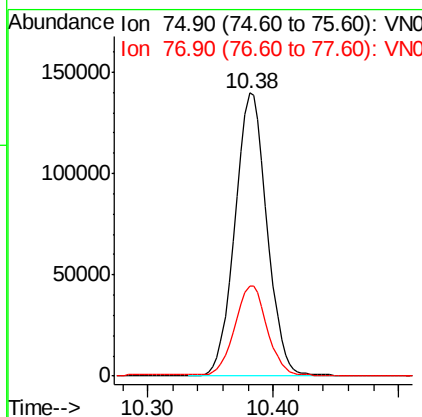
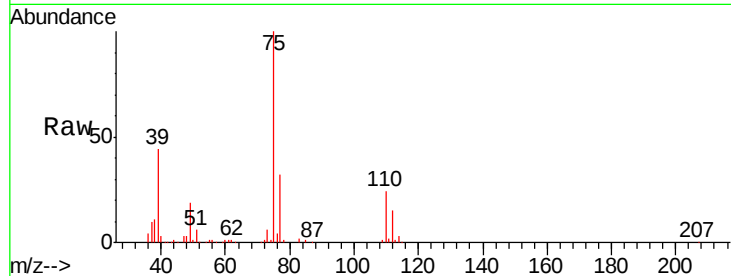
#53
 t-1,3-Dichloropropene
 Concen: 20.012 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 75 Resp: 248340
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.4

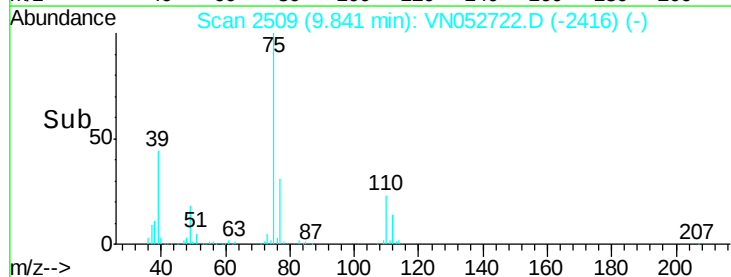
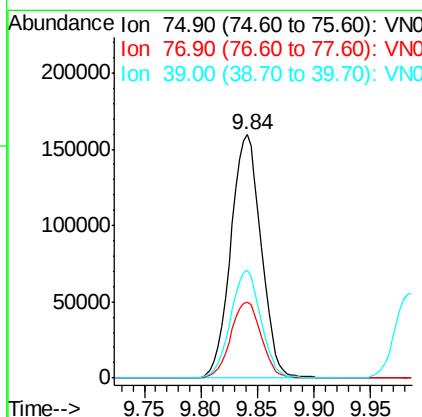
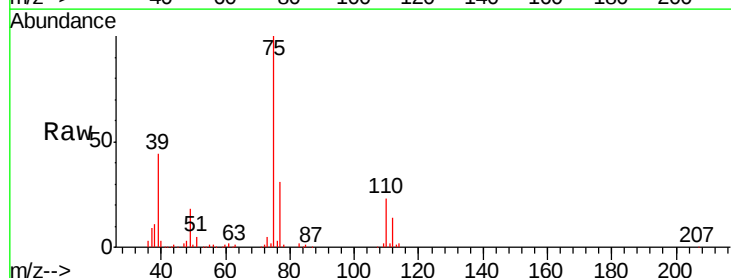
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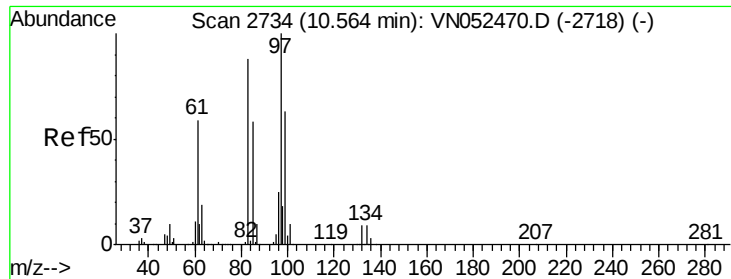
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 20.094 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 75 Resp: 298809
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.2
 39 43.9 36.0 54.0





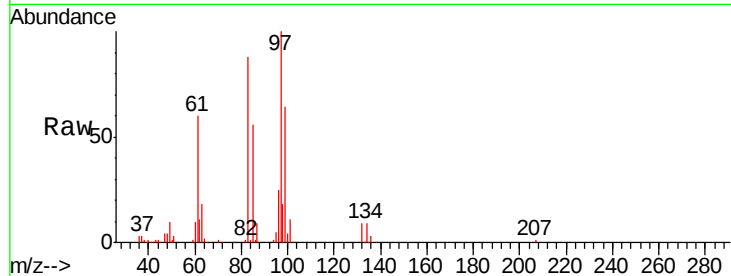
#55
 1,1,2-Trichloroethane
 Concen: 20.630 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

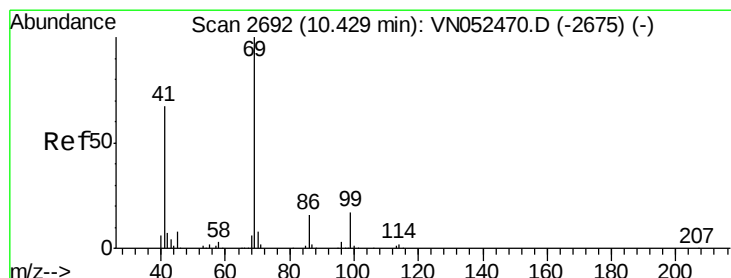
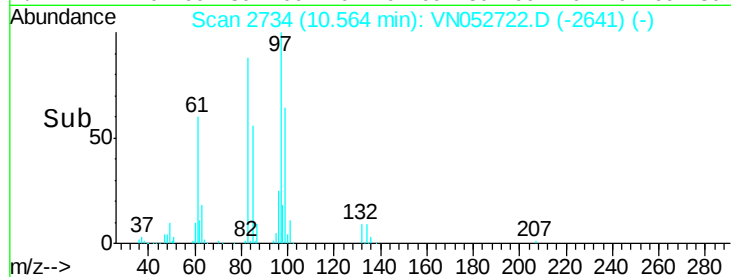
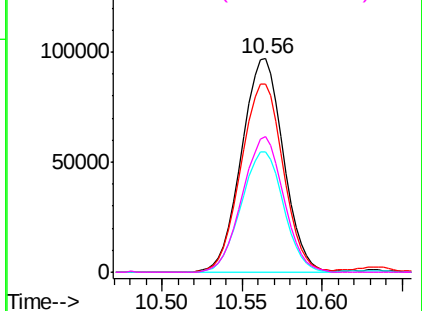
Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.7	106.1
85	56.1	46.1	69.1
99	63.7	50.8	76.2

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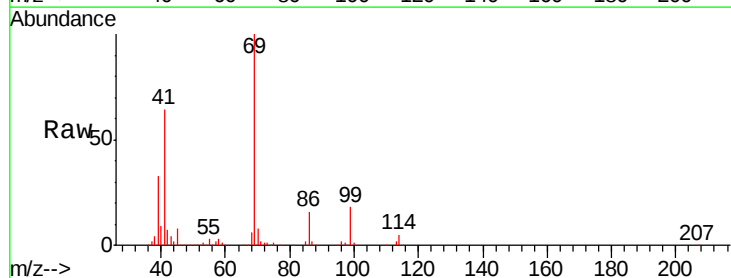


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

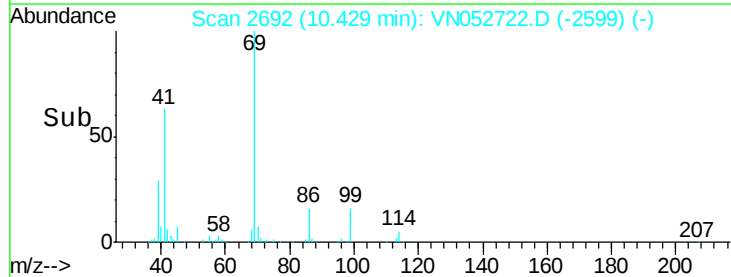
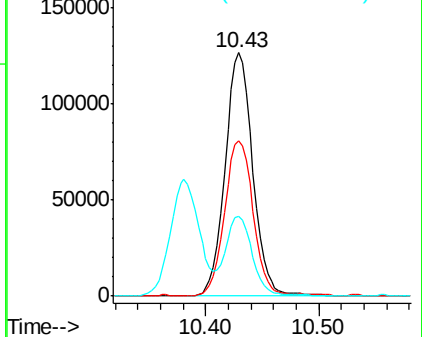


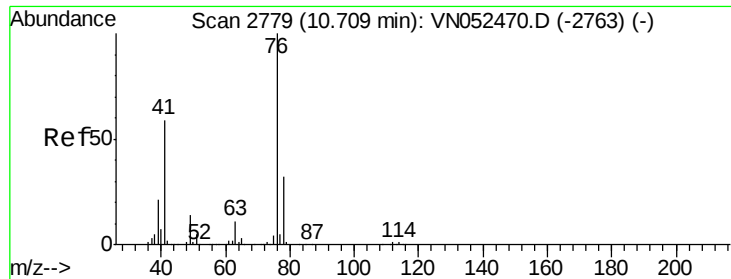
#56
 Ethyl methacrylate
 Concen: 20.130 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.6	79.0
39	31.6	25.9	38.9



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





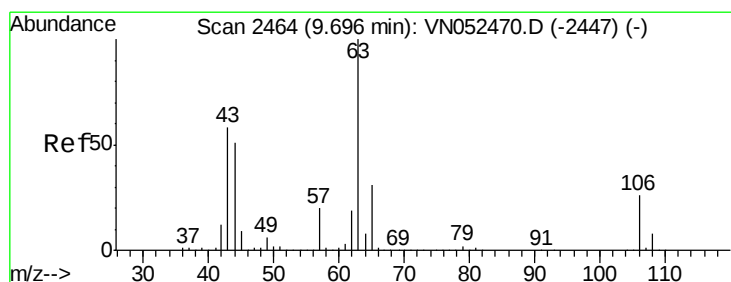
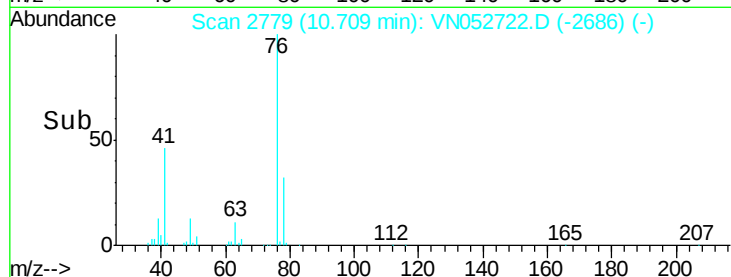
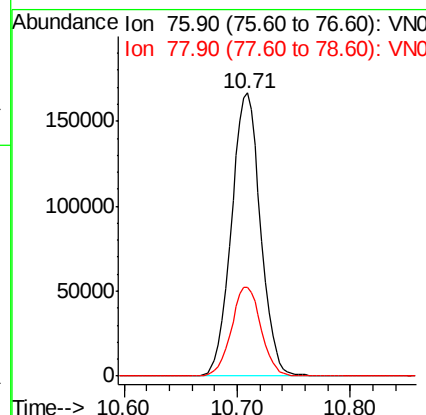
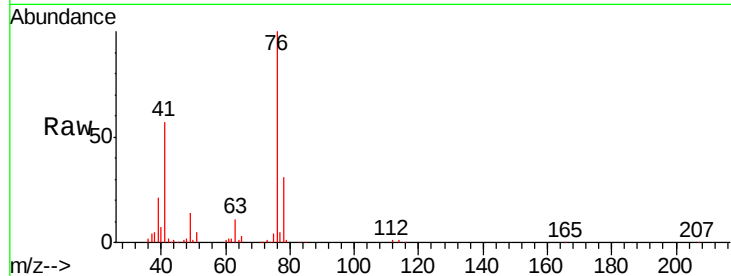
#57
 1,3-Dichloropropane
 Concen: 20.037 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion: 76 Resp: 298066
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4

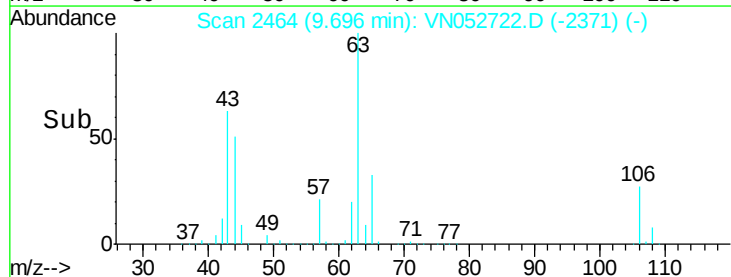
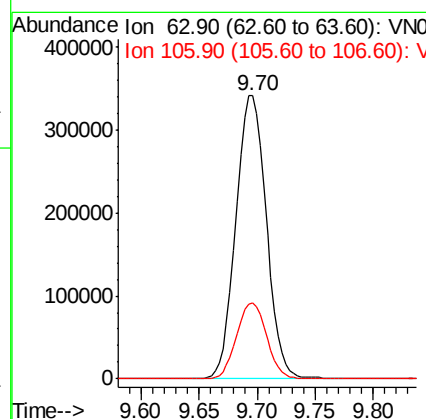
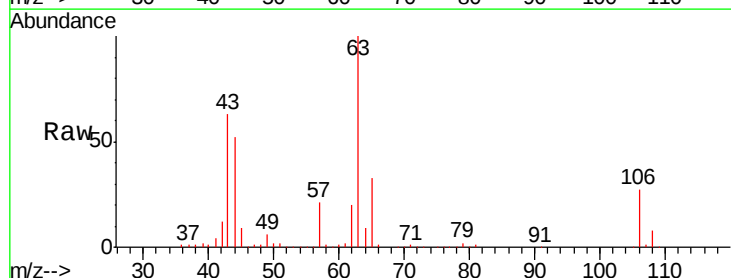
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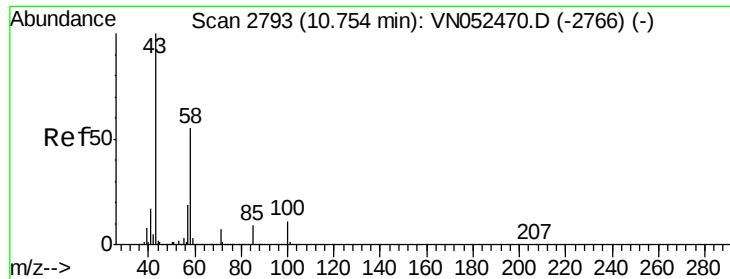
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.536 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion: 63 Resp: 620711
 Ion Ratio Lower Upper
 63 100
 106 26.7 20.6 30.8





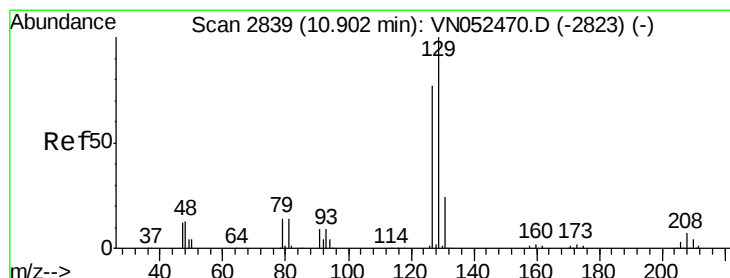
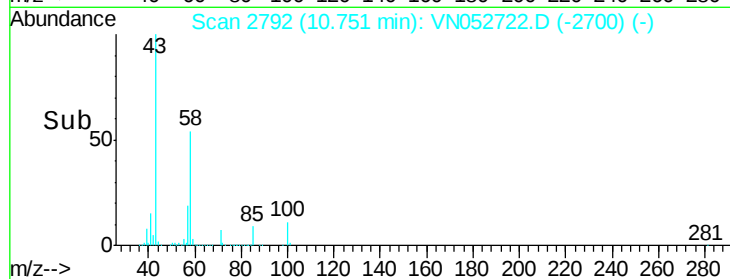
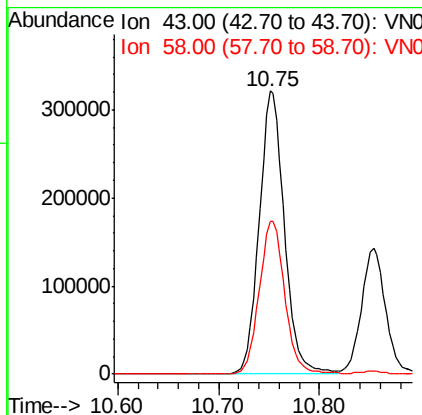
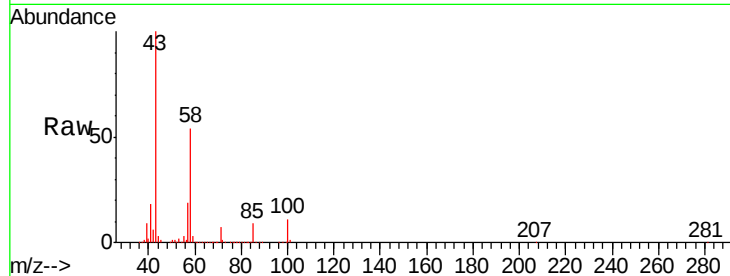
#59
2-Hexanone
Concen: 105.097 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion: 43 Resp: 552875
Ion Ratio Lower Upper
43 100
58 55.1 27.4 82.0

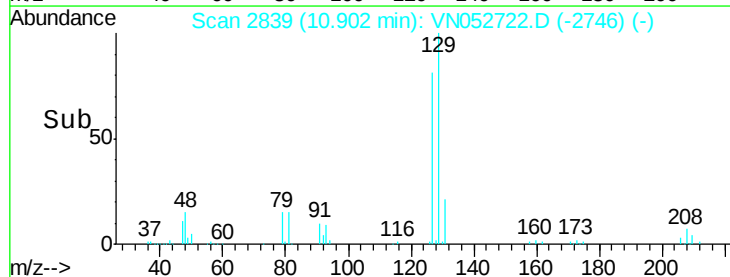
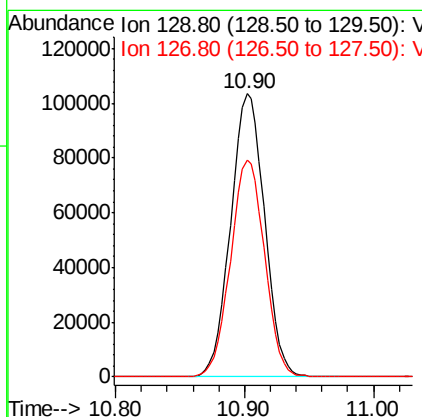
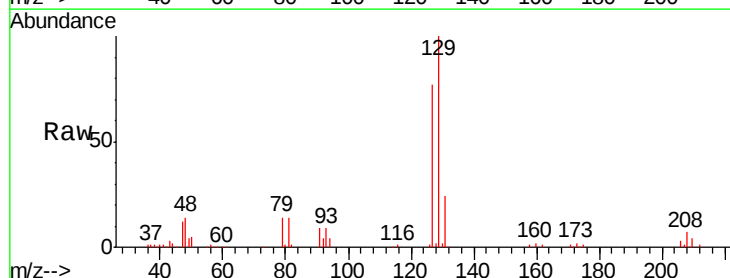
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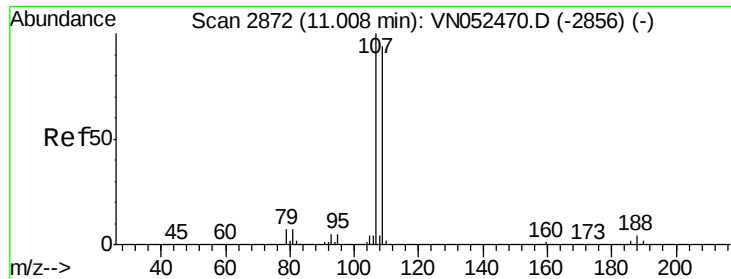
MMDadoda
12/10/2018 12:50:41 PM



#60
Dibromochloromethane
Concen: 20.679 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion: 129 Resp: 189215
Ion Ratio Lower Upper
129 100
127 76.7 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.284 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 107 Resp: 169724

Ion Ratio Lower Upper

107 100

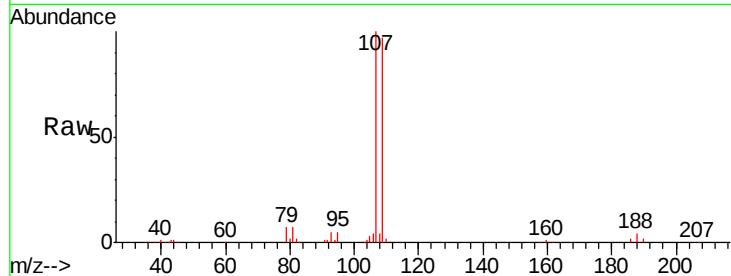
109 95.5 75.6 113.4

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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

100000

80000

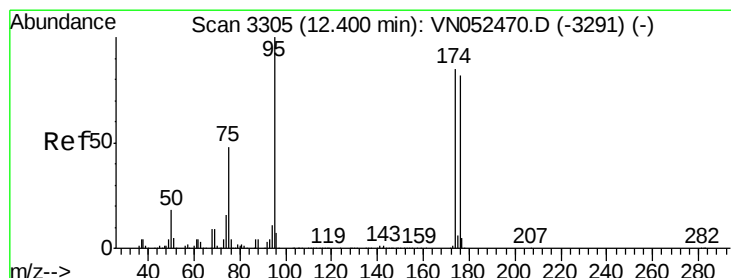
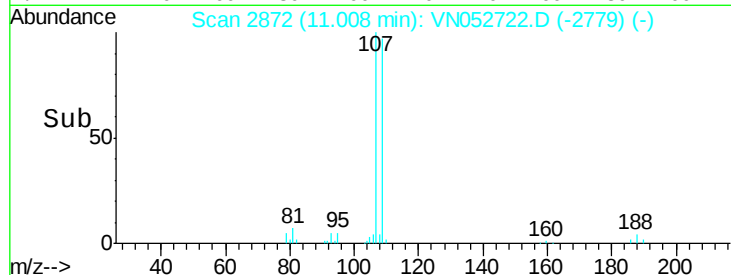
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 20.284 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

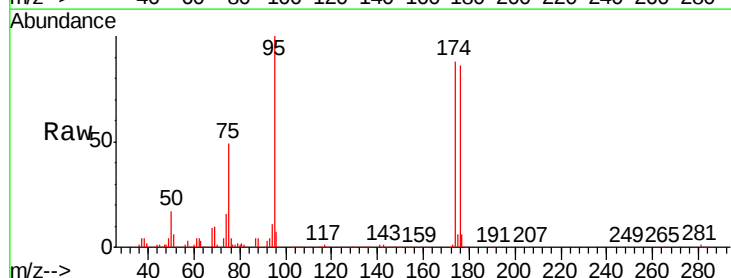
Tgt Ion: 95 Resp: 567524

Ion Ratio Lower Upper

95 100

174 88.4 0.0 173.0

176 85.7 0.0 166.2



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

400000

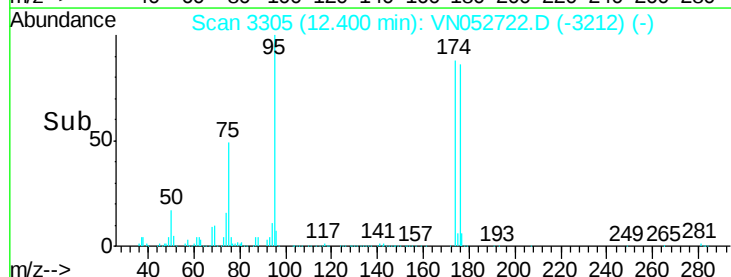
300000

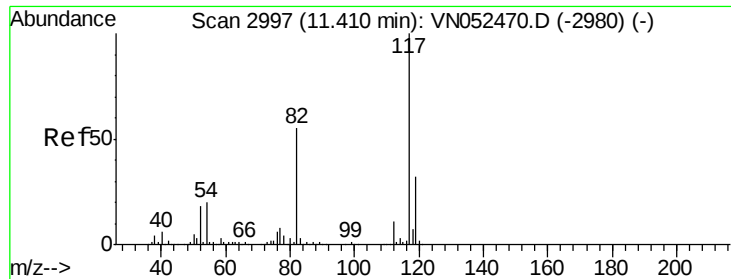
200000

100000

0

Time--> 12.30 12.40 12.50





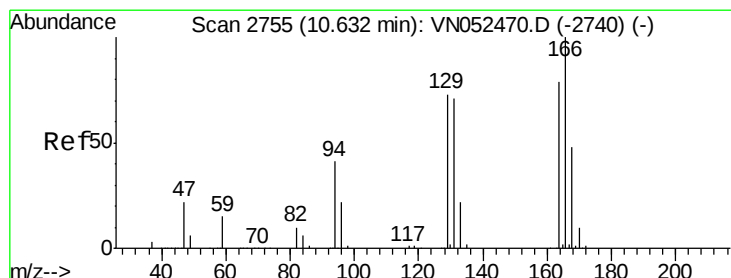
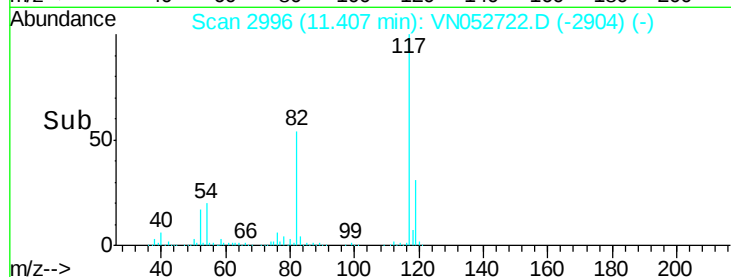
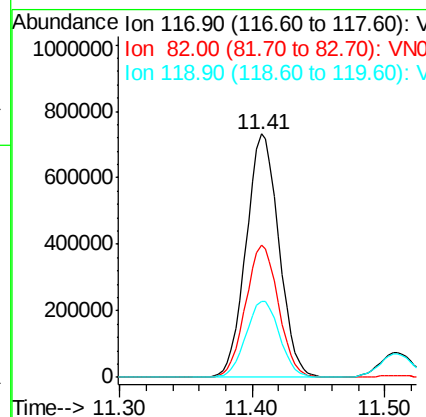
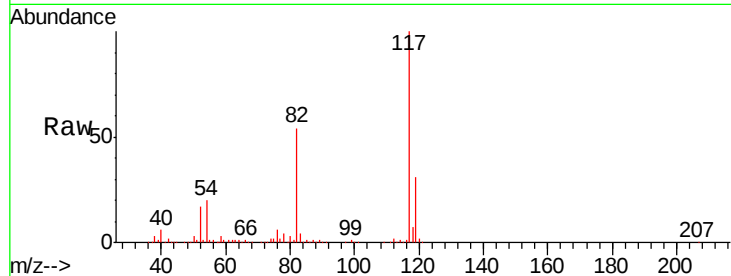
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion:117 Resp: 1260176
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 31.3 25.4 38.2

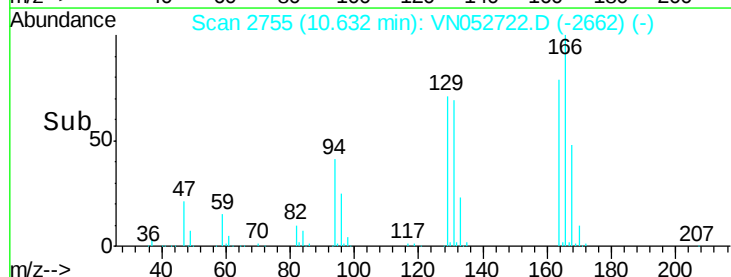
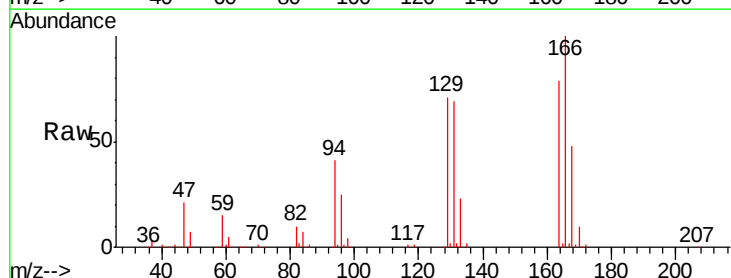
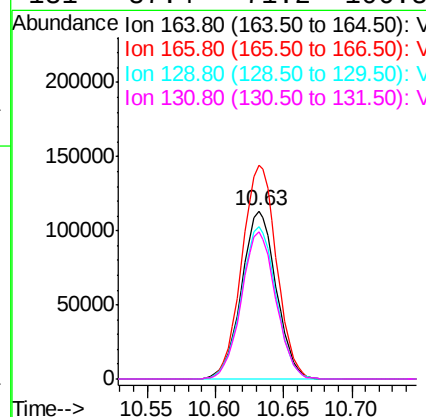
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#64
Tetrachloroethene
Concen: 20.412 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion:164 Resp: 199436
Ion Ratio Lower Upper
164 100
166 126.9 101.0 151.4
129 90.2 73.8 110.6
131 87.4 71.2 106.8





#65

Chlorobenzene

Concen: 19.767 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion:112 Resp: 513648

Ion Ratio Lower Upper

112 100

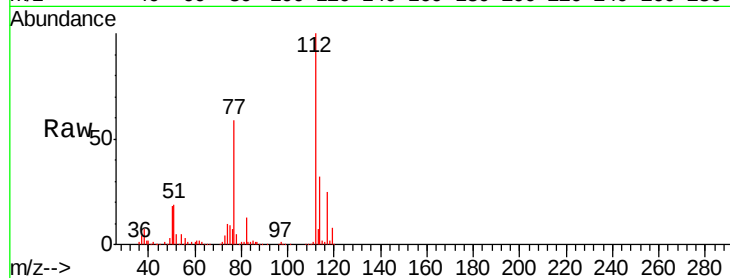
114 31.9 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

300000

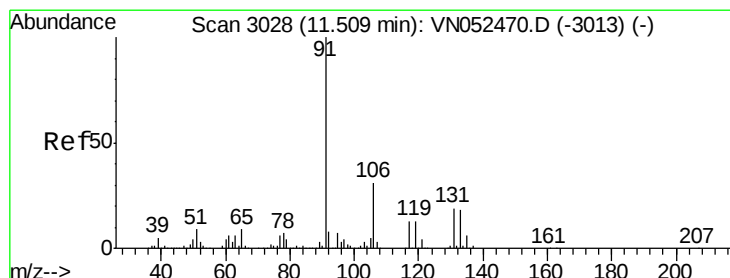
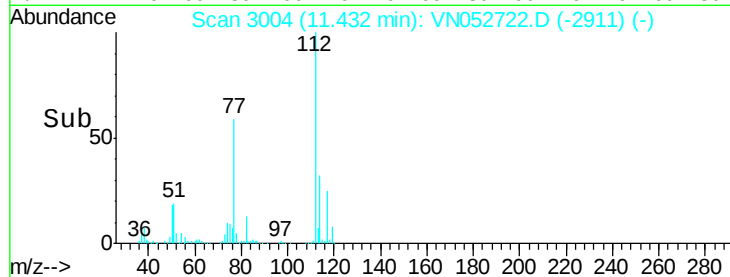
200000

100000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.388 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

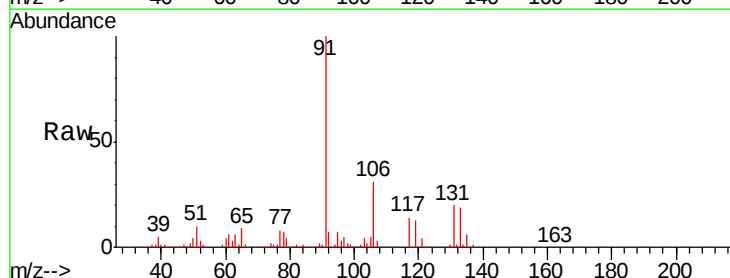
Tgt Ion:131 Resp: 184202

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.8

119 67.4 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

250000

200000

150000

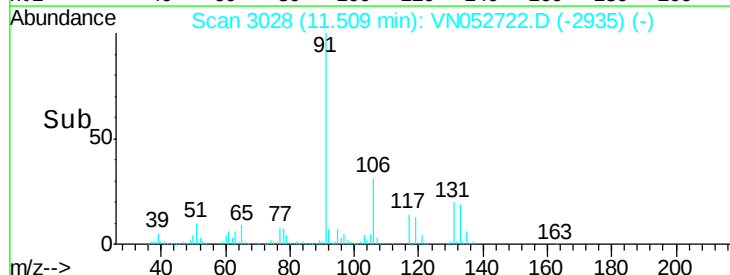
100000

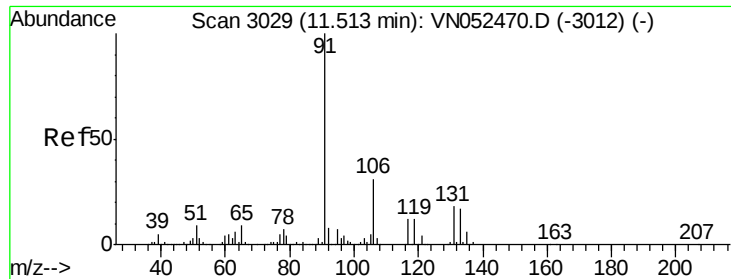
50000

0

11.45 11.55

Time-->





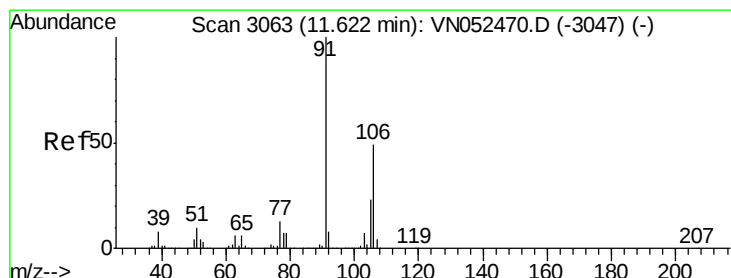
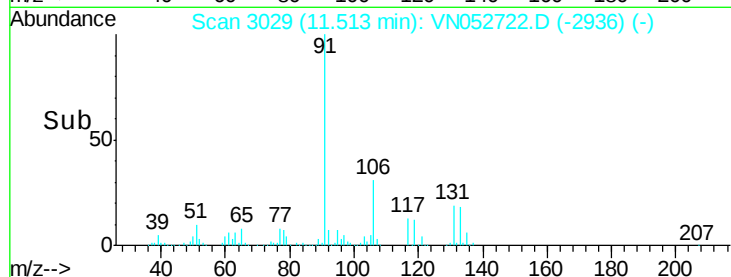
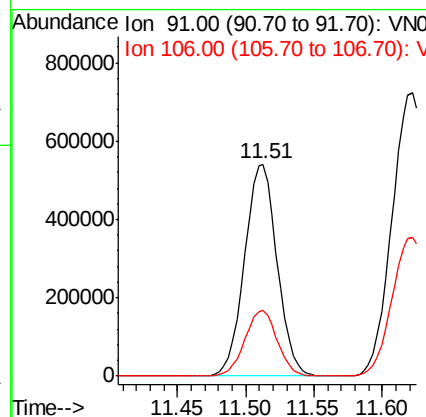
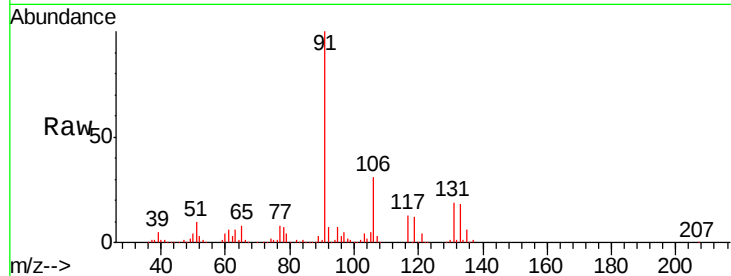
#67
Ethyl Benzene
Concen: 19.647 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion: 91 Resp: 894022
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3

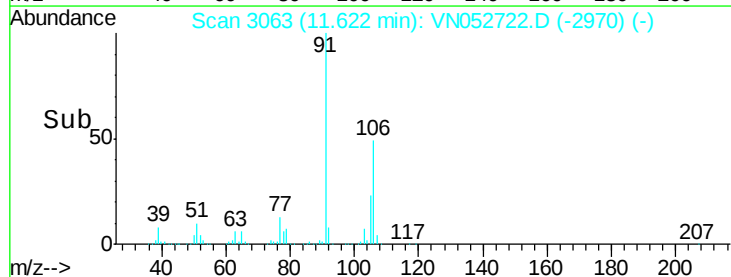
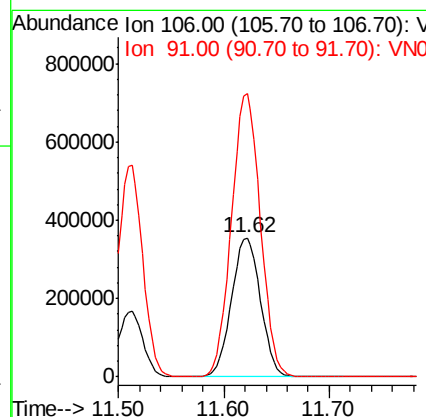
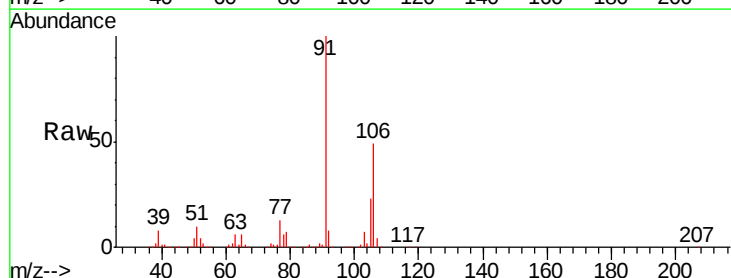
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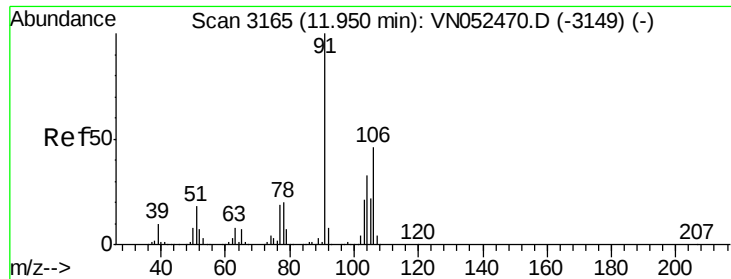
MMDadoda
12/10/2018 12:50:41 PM



#68
m/p-Xylenes
Concen: 39.740 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion: 106 Resp: 673196
Ion Ratio Lower Upper
106 100
91 203.0 163.2 244.8





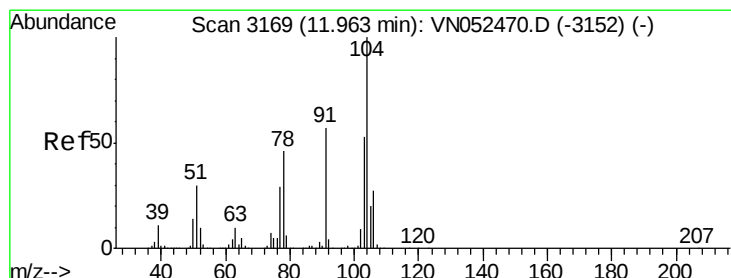
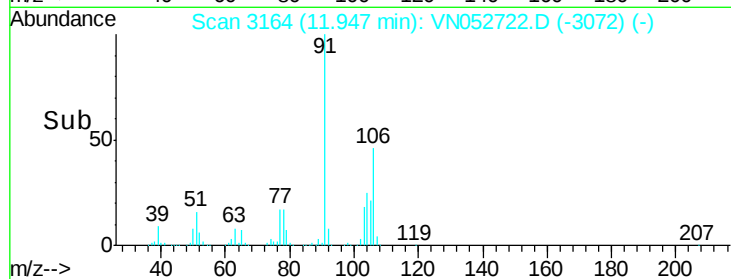
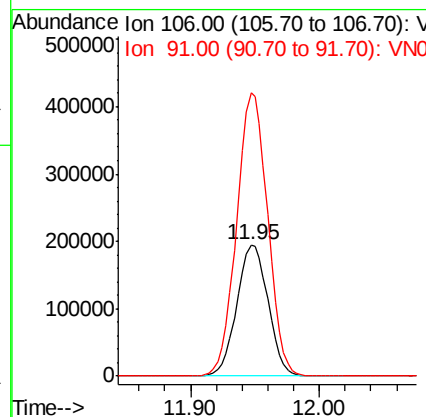
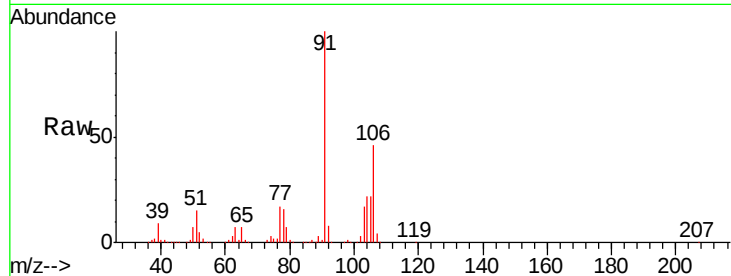
#69
o-Xylene
Concen: 19.975 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion:106 Resp: 328584
Ion Ratio Lower Upper
106 100
91 213.7 107.7 323.1

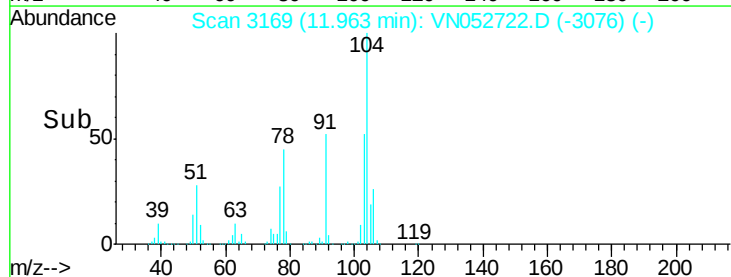
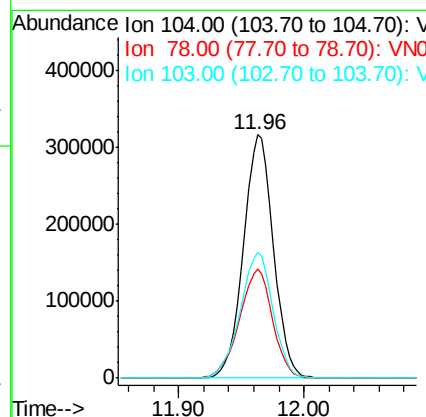
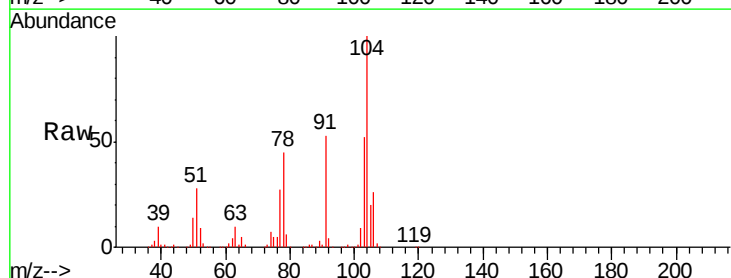
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#70
Styrene
Concen: 20.096 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion:104 Resp: 526527
Ion Ratio Lower Upper
104 100
78 49.6 39.4 59.2
103 56.8 44.9 67.3





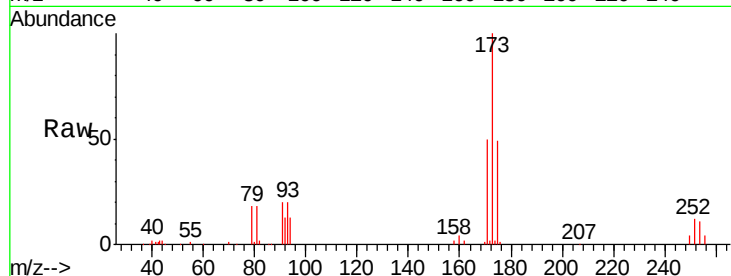
#71
Bromoform
Concen: 20.990 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

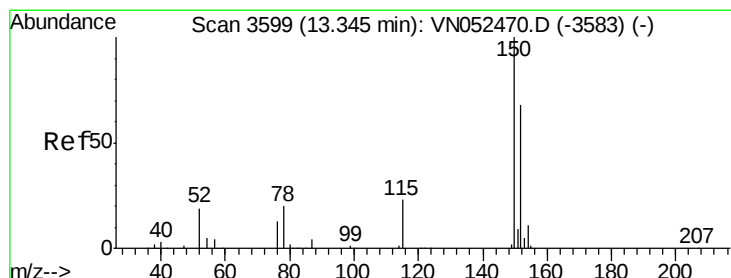
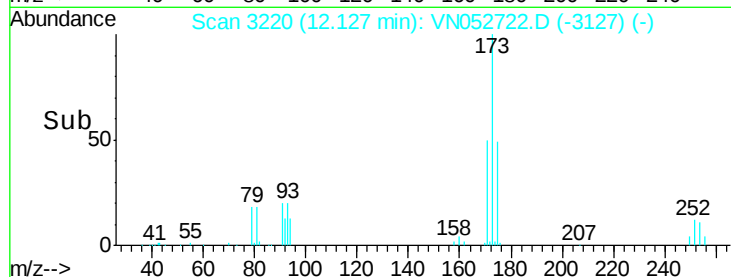
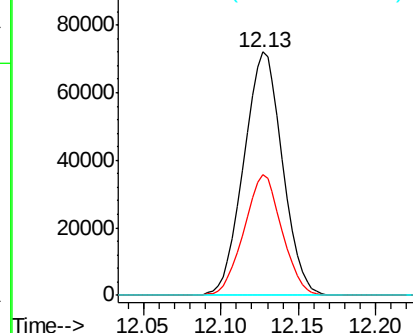
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	125570		
175	48.4	24.4	73.2	
254	0.0	0.1	0.1#	

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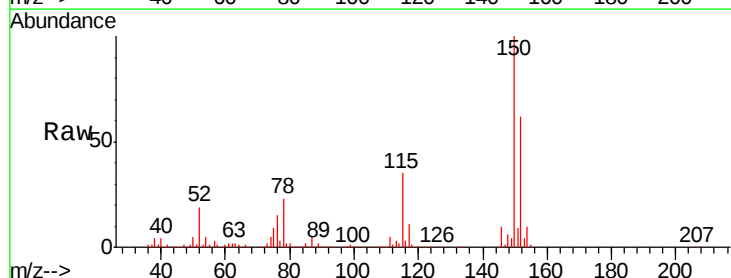


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

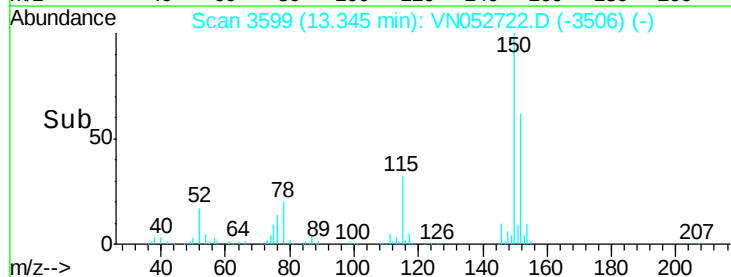
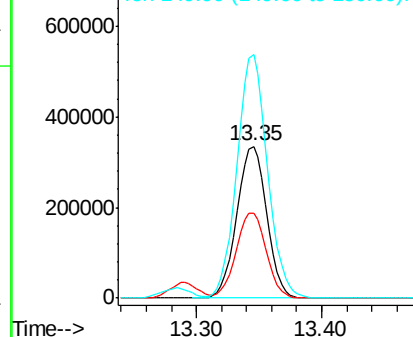


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	552388		
115	56.7	28.4	85.2	
150	164.0	0.0	346.0	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.122 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 105 Resp: 872041

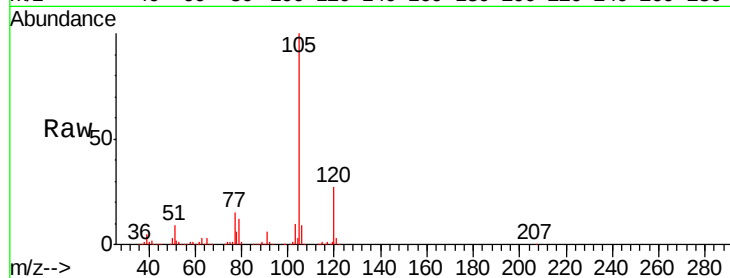
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

600000

500000

400000

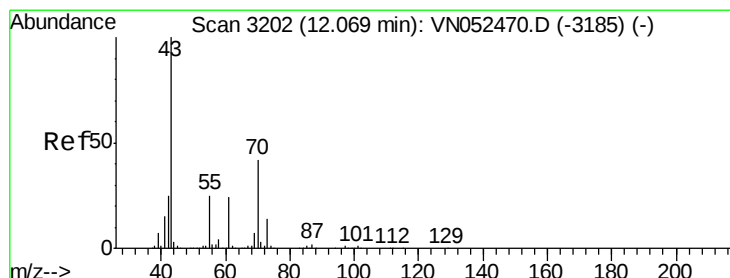
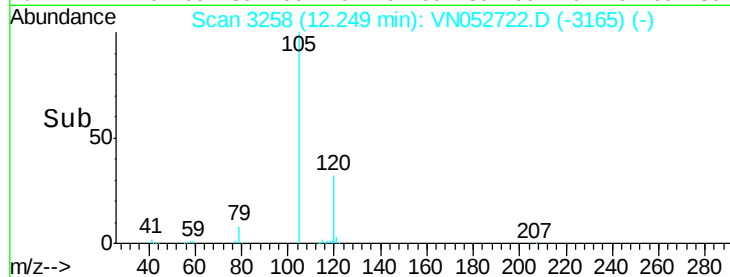
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.152 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion: 43 Resp: 220641

Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 26.2 20.0 30.0

61 24.6 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

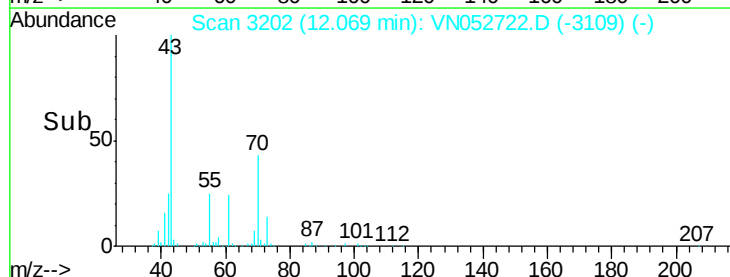
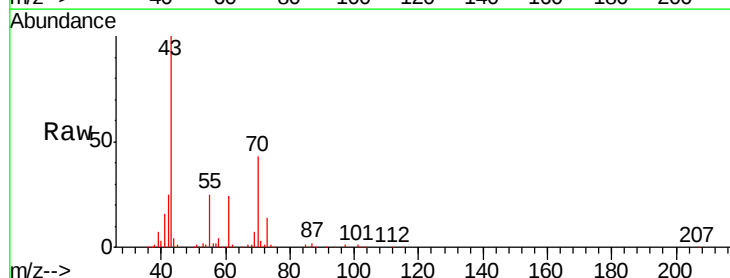
150000

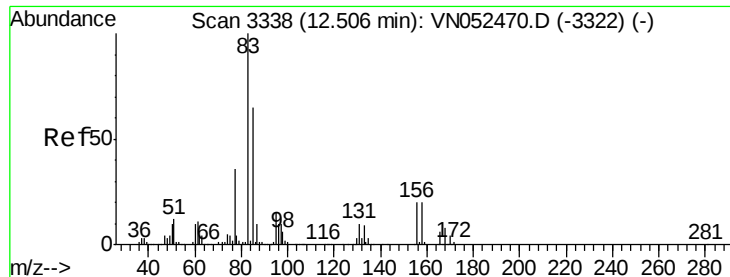
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.375 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

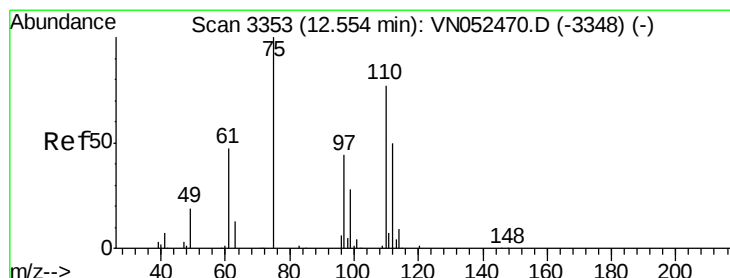
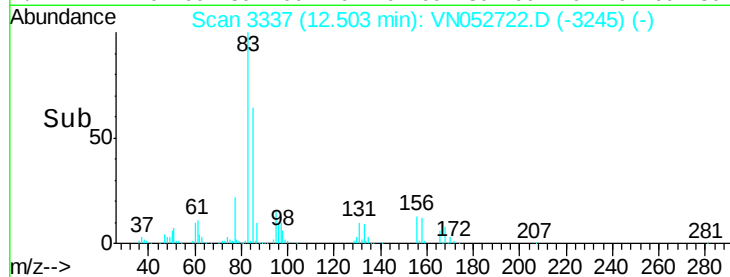
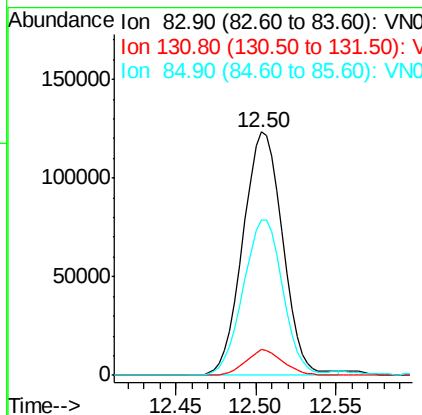
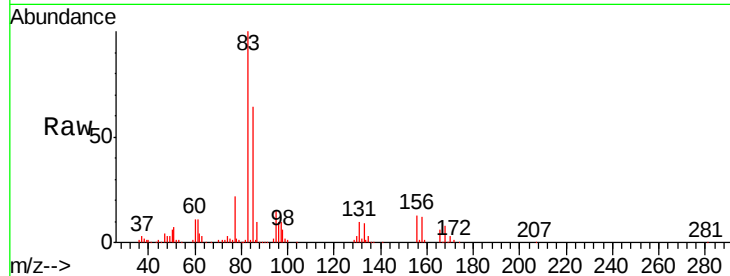
ClientSampleId :

VN1207WBS02

Tgt Ion:	83	Resp:	210723
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	63.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 20.083 ug/l m

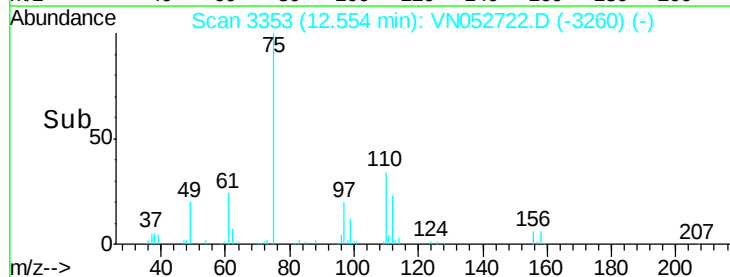
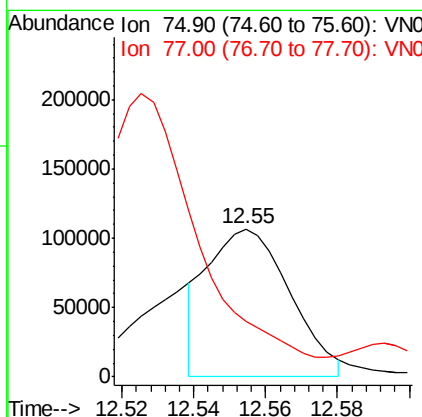
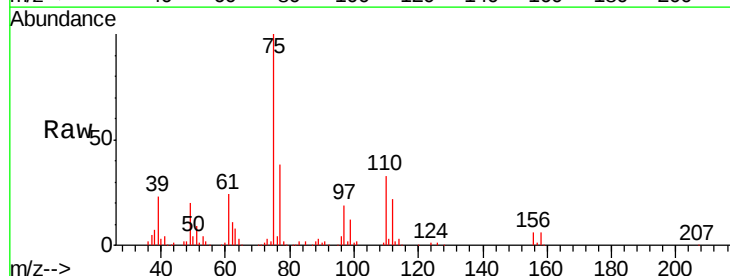
RT: 12.55 min Scan# 3353

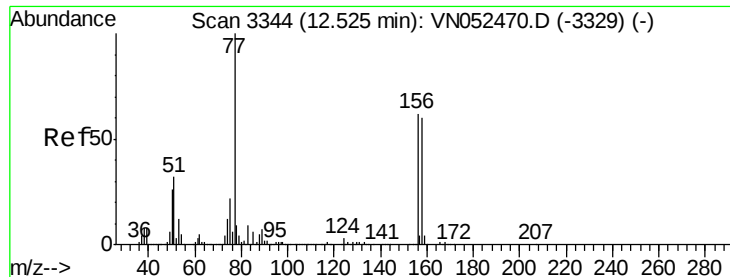
Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	75	Resp:	171068
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.554 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

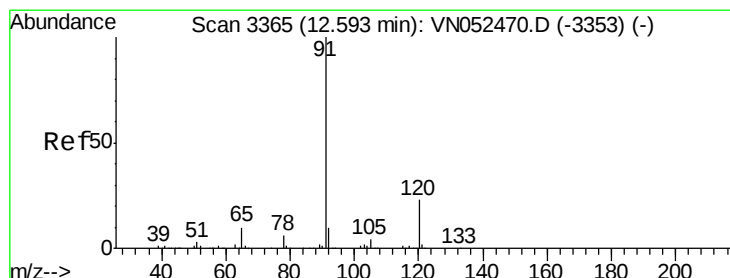
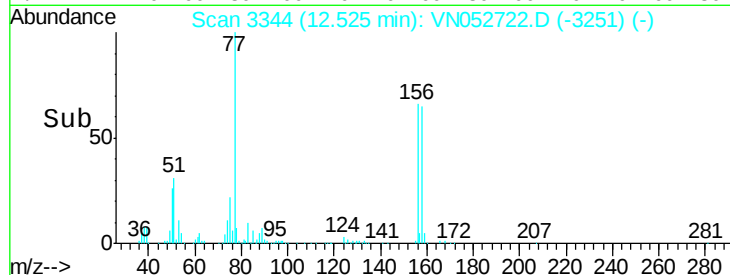
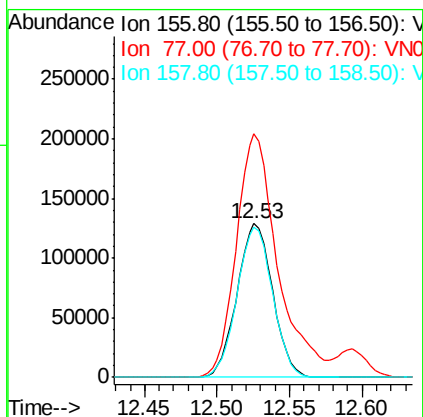
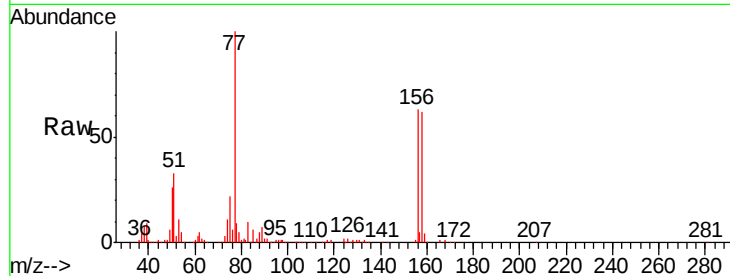
ClientSampleId :

VN1207WBS02

Tgt Ion:	156	Resp:	220174
Ion Ratio	Lower	Upper	
156	100		
77	184.6	93.5	280.4
158	97.9	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 20.224 ug/l

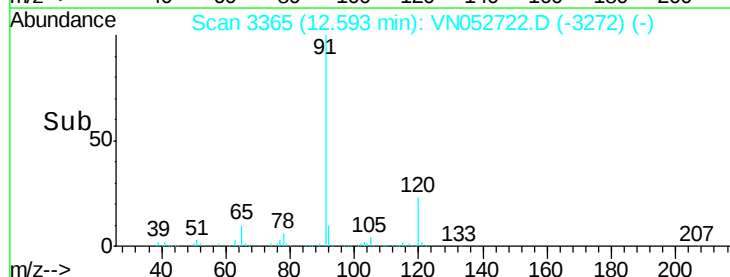
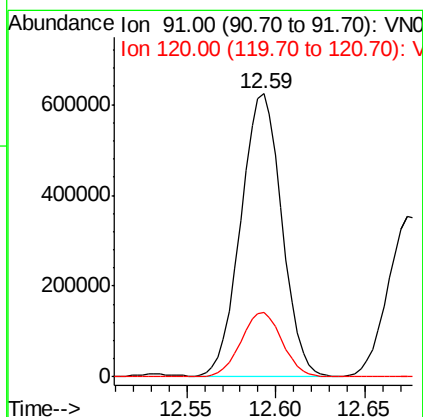
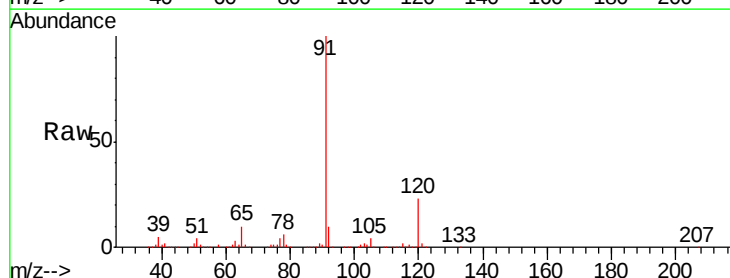
RT: 12.59 min Scan# 3365

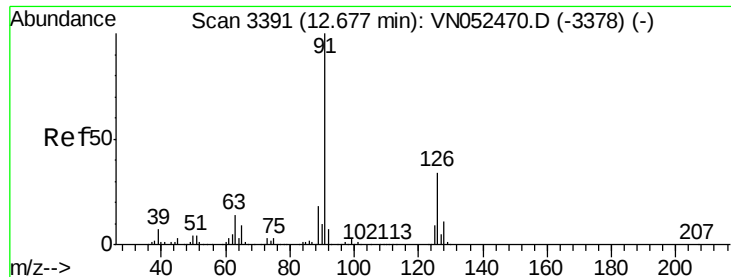
Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	91	Resp:	995730
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 20.157 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBS02

Tgt Ion: 91 Resp: 591001

Ion Ratio Lower Upper

91 100

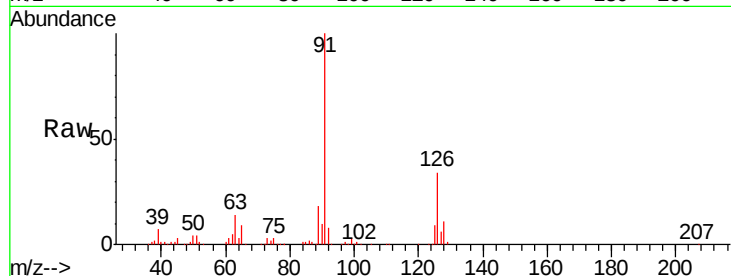
126 34.4 17.2 51.6

Manual Integrations

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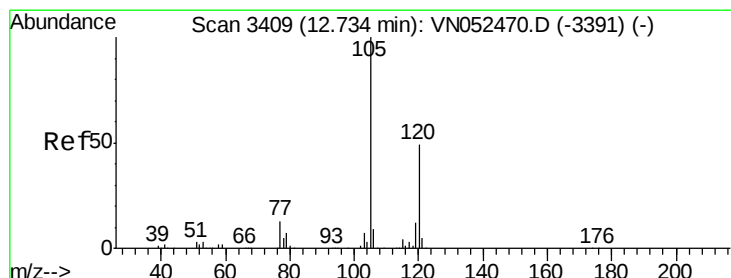
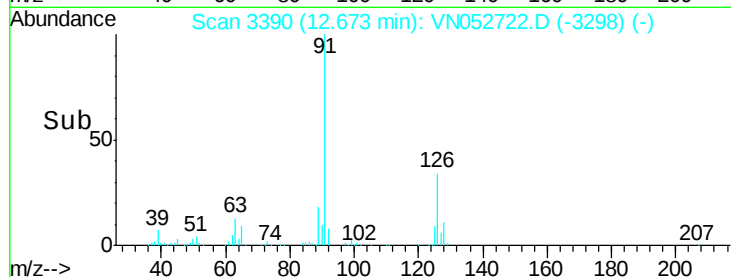
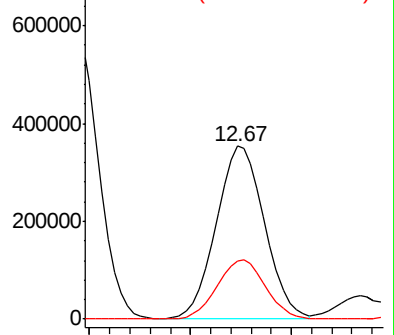
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.491 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052722.D

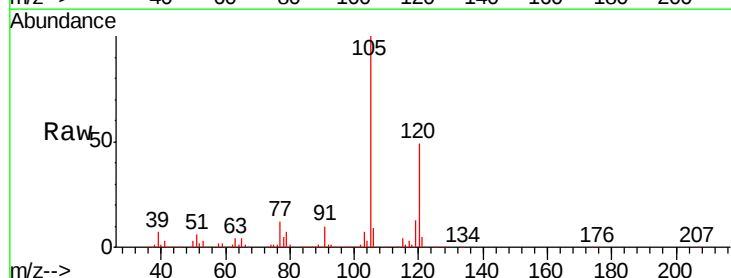
Acq: 7 Dec 2018 13:12

Tgt Ion: 105 Resp: 708270

Ion Ratio Lower Upper

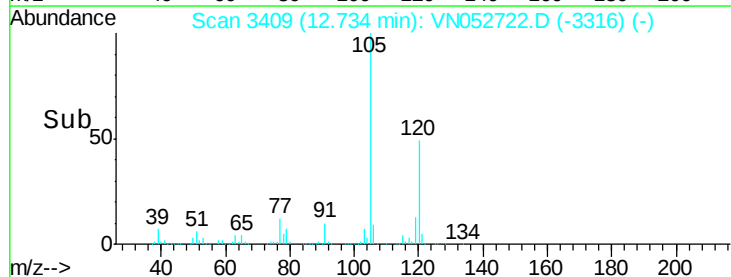
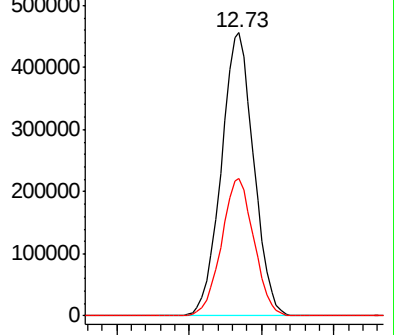
105 100

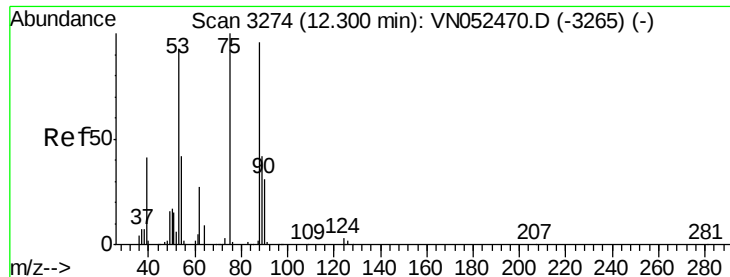
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.538 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Instrument :

MSVOA_N

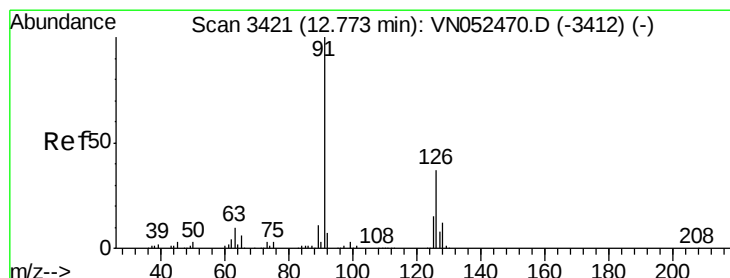
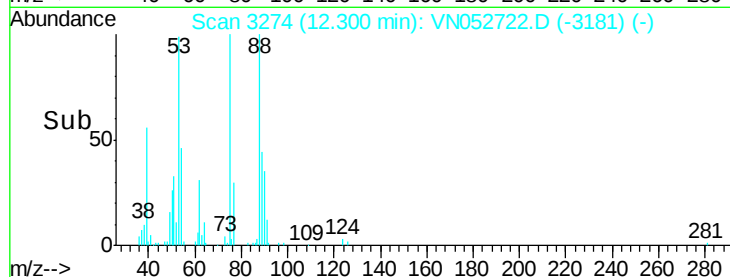
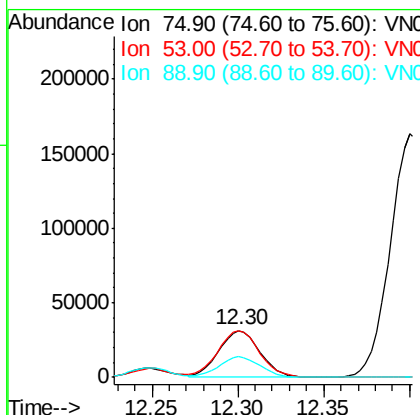
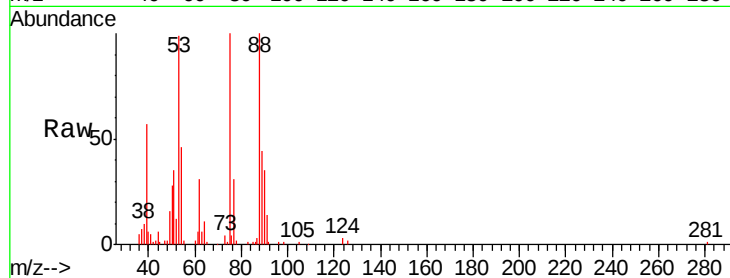
ClientSampleId :

VN1207WBS02

Tgt Ion:	75	Resp:	52386
Ion	Ratio	Lower	Upper
75	100		
53	101.1	77.4	116.0
89	44.1	35.4	53.2

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#82

4-Chlorotoluene

Concen: 20.011 ug/l

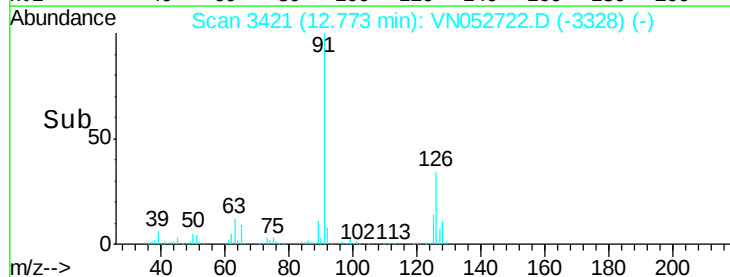
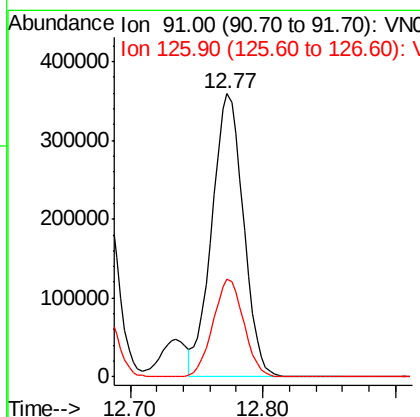
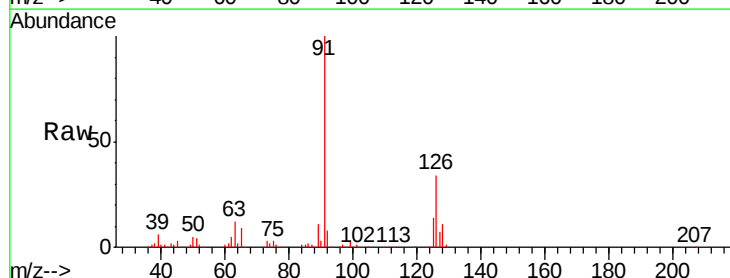
RT: 12.77 min Scan# 3421

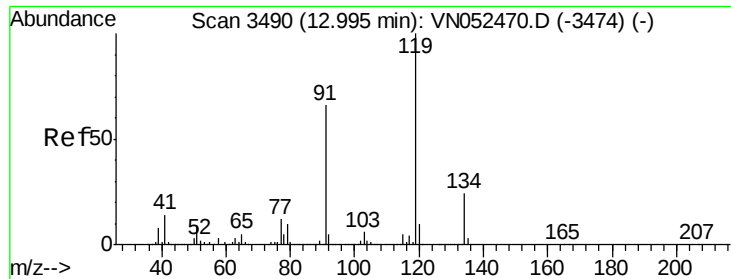
Delta R.T. 0.00 min

Lab File: VN052722.D

Acq: 7 Dec 2018 13:12

Tgt Ion:	91	Resp:	591317
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6





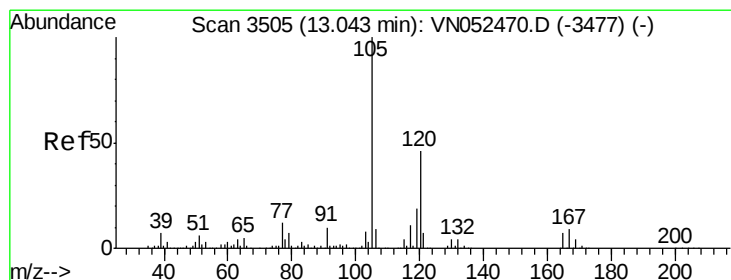
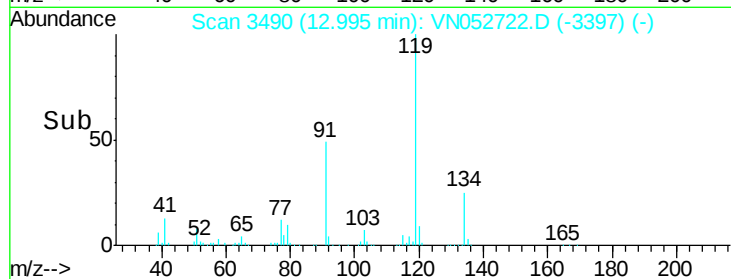
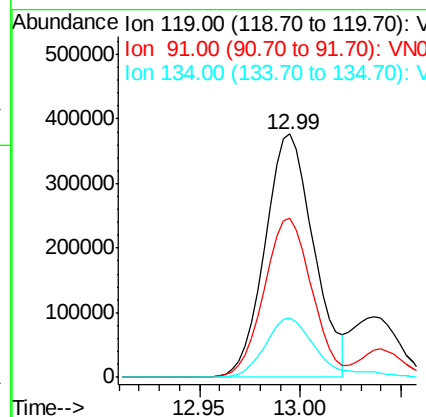
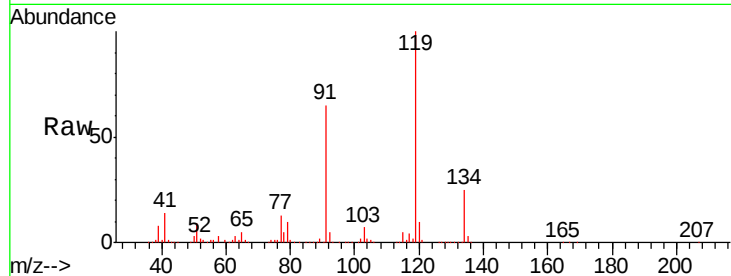
#83
 tert-Butylbenzene
 Concen: 20.502 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	631752		
91	64.5	32.3	96.9	
134	26.0	13.0	38.9	

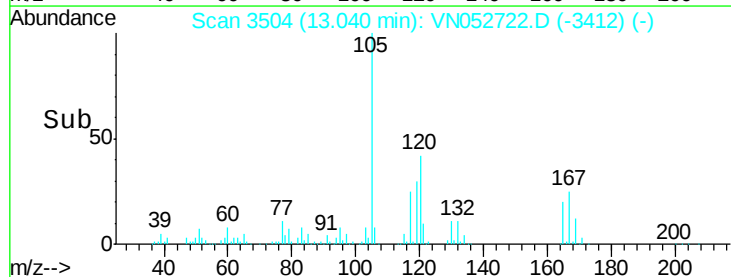
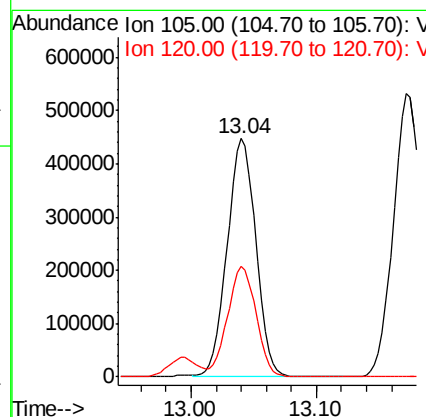
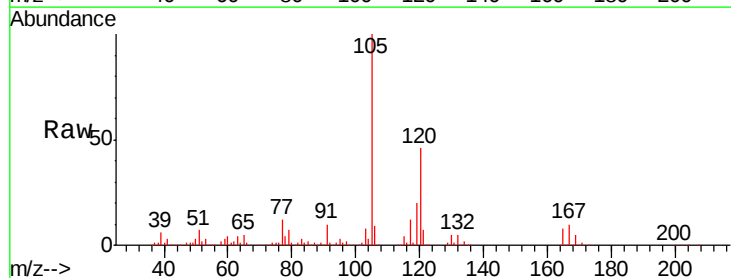
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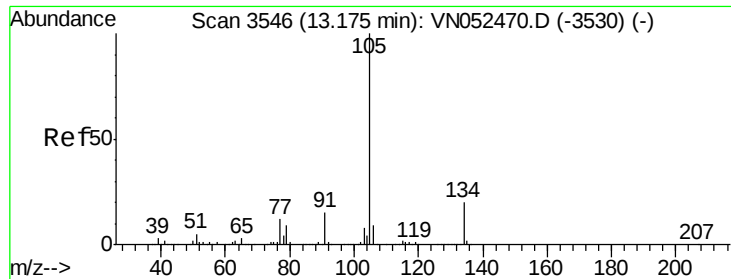
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.460 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	708704		
120	46.3	22.8	68.4	





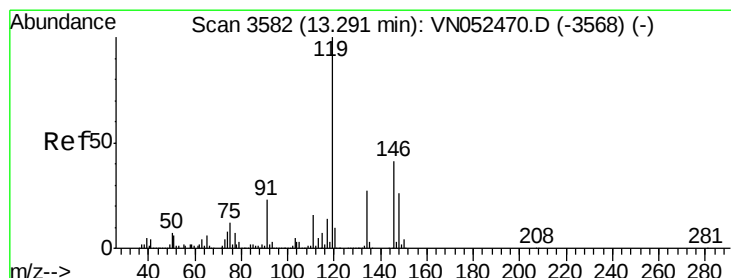
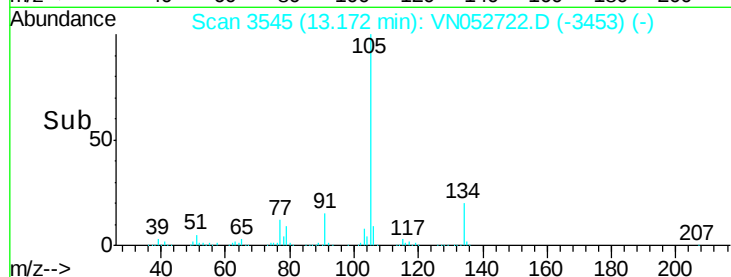
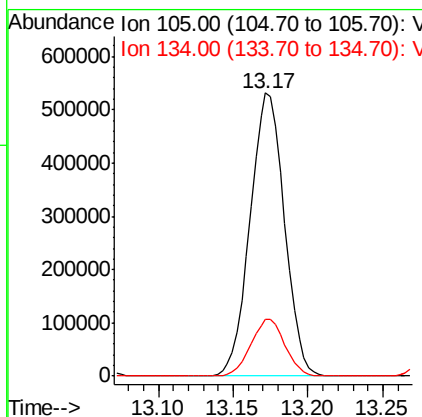
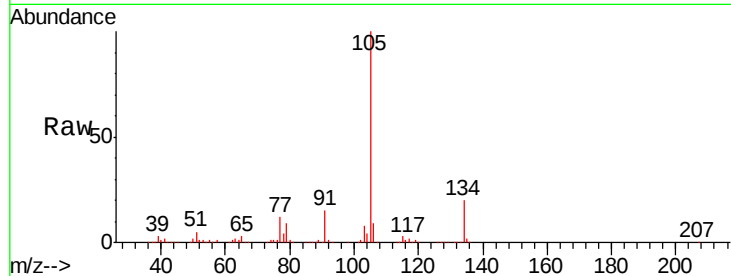
#85
 sec-Butylbenzene
 Concen: 20.205 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	847980		
134	20.0	9.9	29.7	

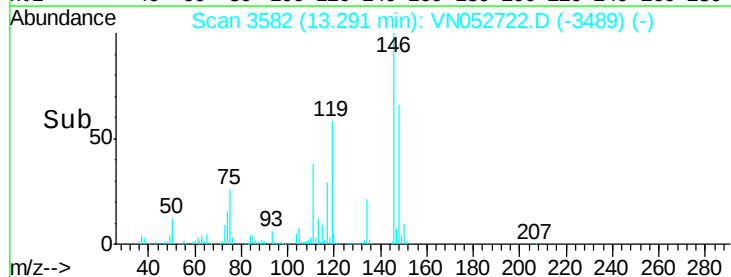
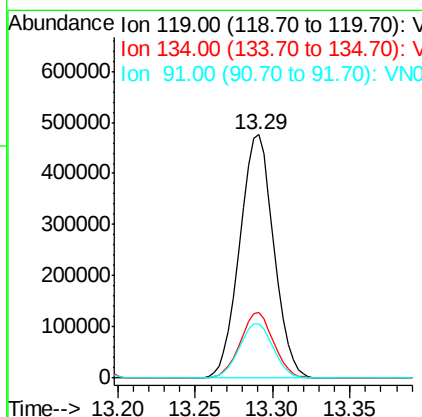
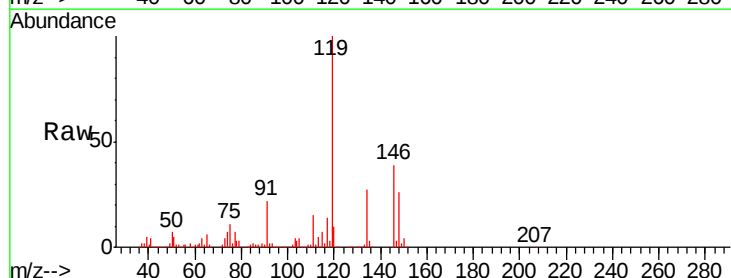
Manual Integrations
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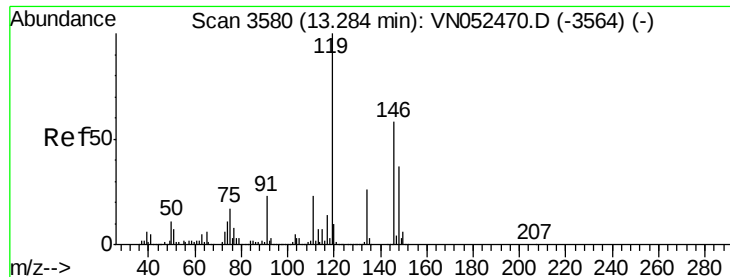
MMDadoda
 12/10/2018 12:50:41 PM



#86
 p-Isopropyltoluene
 Concen: 20.367 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	728061		
134	26.4	13.4	40.2	
91	22.3	11.4	34.2	





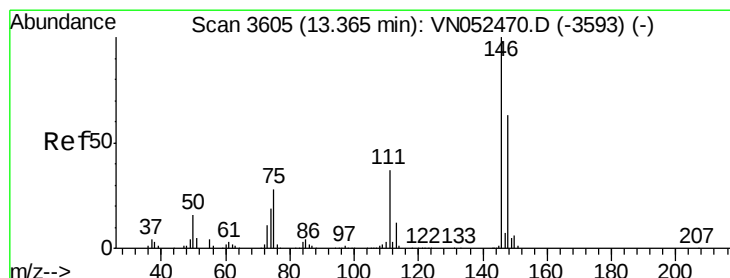
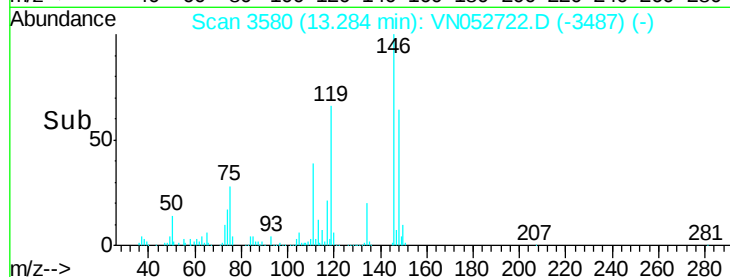
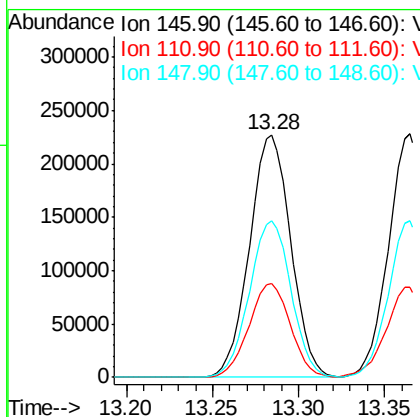
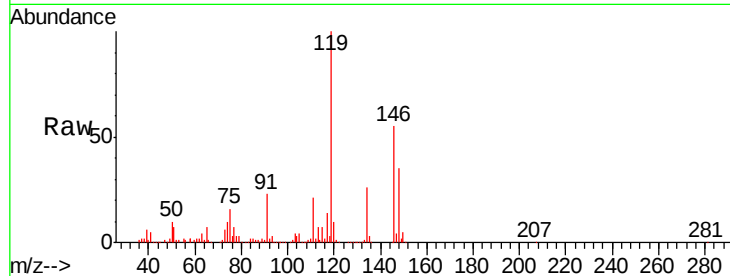
#87
 1,3-Dichlorobenzene
 Concen: 20.162 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	64.9	31.8	95.4

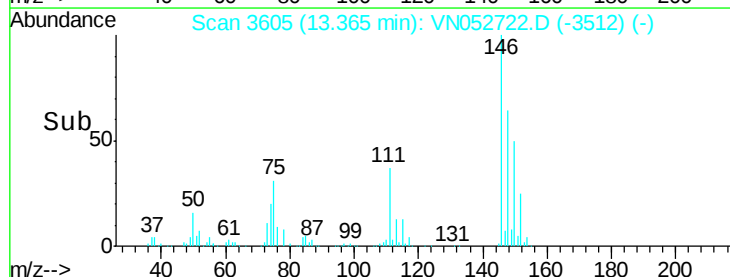
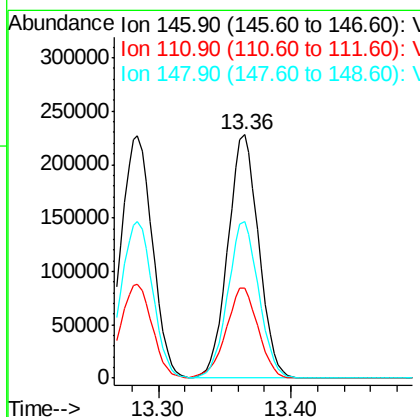
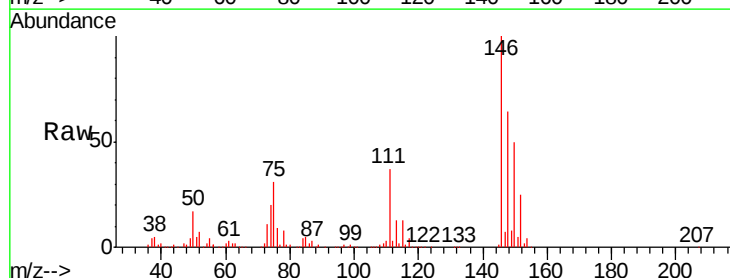
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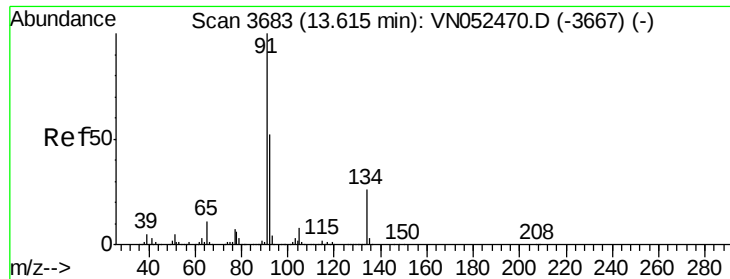
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#88
 1,4-Dichlorobenzene
 Concen: 19.892 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	56.0
148	64.4	31.9	95.9





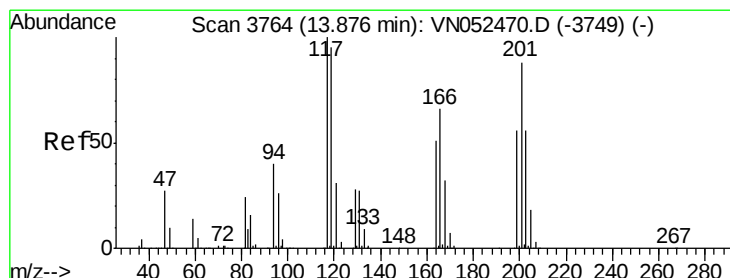
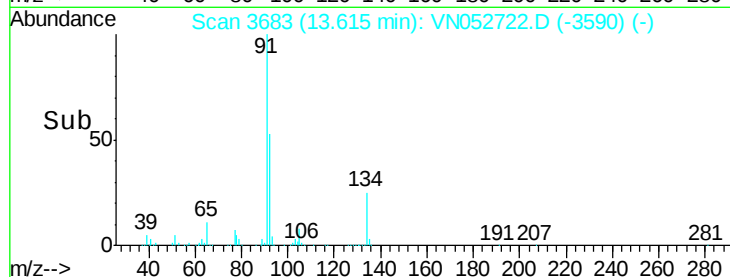
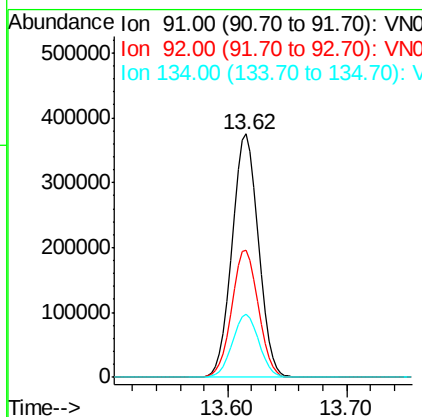
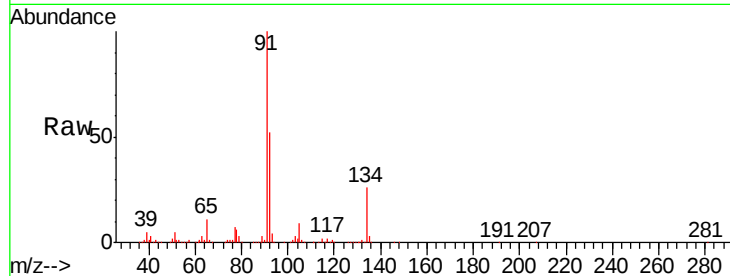
#89
n-Butylbenzene
Concen: 19.372 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.3
134	26.0	13.0	38.9

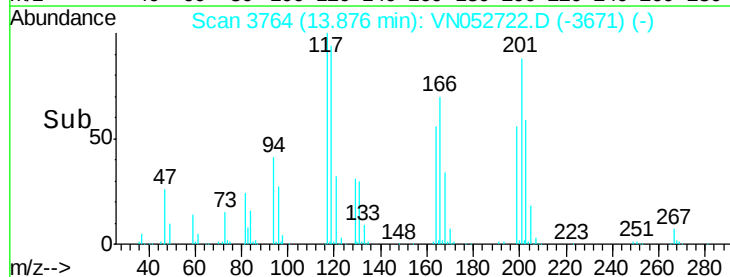
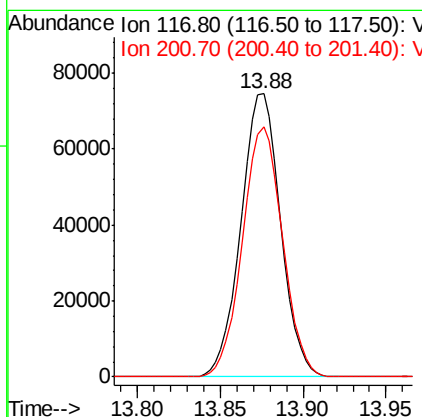
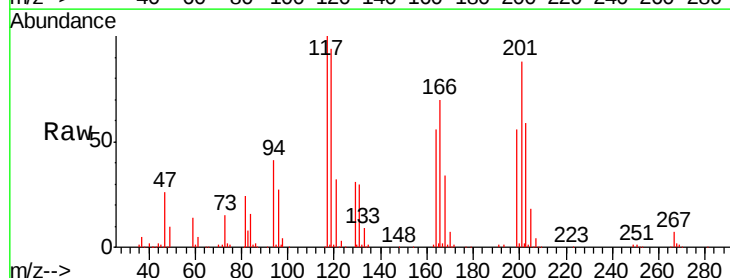
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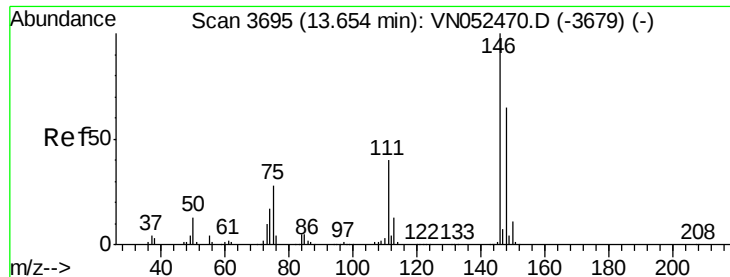
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#90
Hexachloroethane
Concen: 20.530 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.5	43.6	130.9





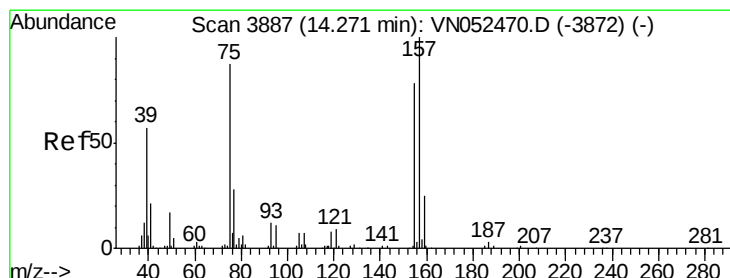
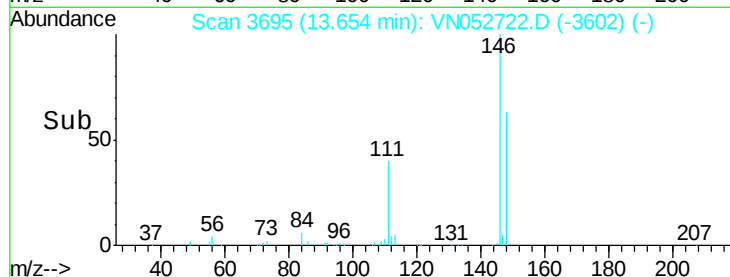
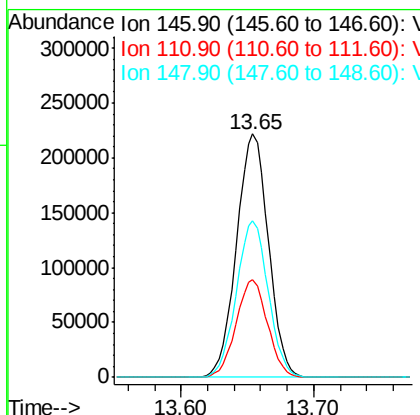
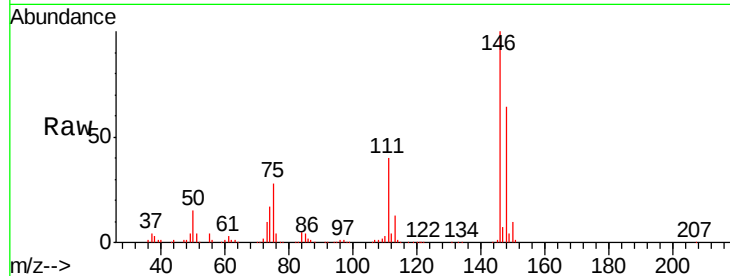
#91
 1,2-Dichlorobenzene
 Concen: 20.700 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	64.0	32.0	96.2

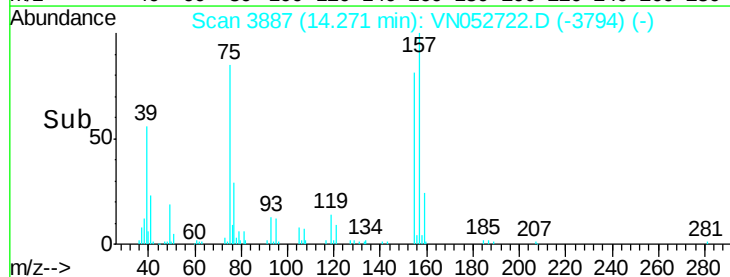
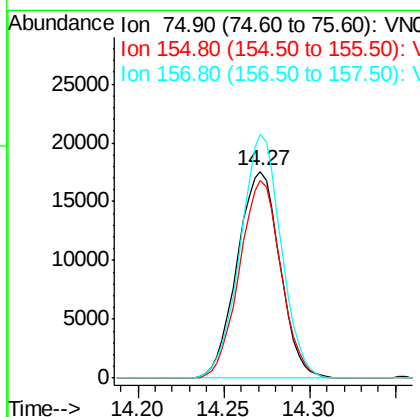
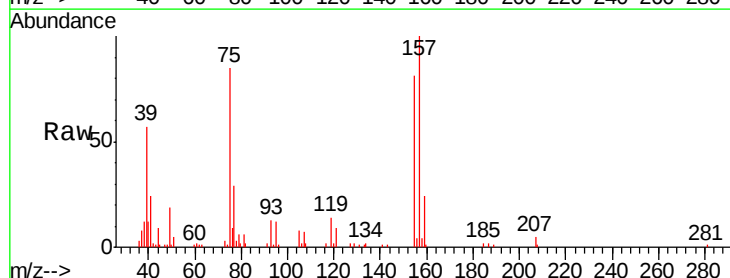
Manual Integrations
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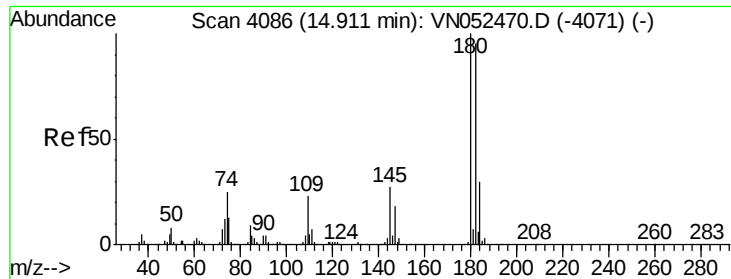
MMDadoda
 12/10/2018 12:50:41 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.522 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	45.3	135.9
157	112.3	58.1	174.2





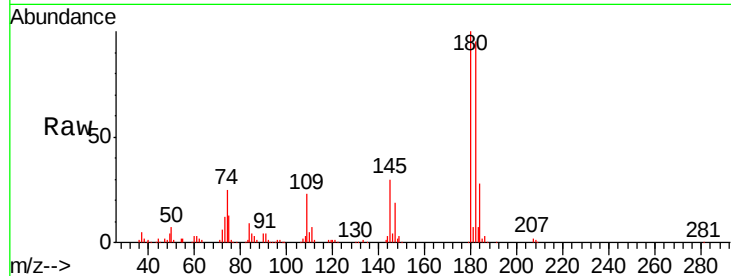
#93
 1,2,4-Trichlorobenzene
 Concen: 19.693 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBS02

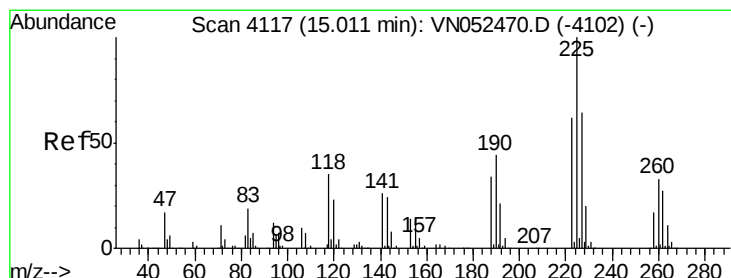
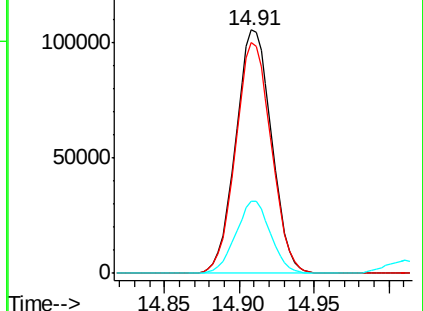
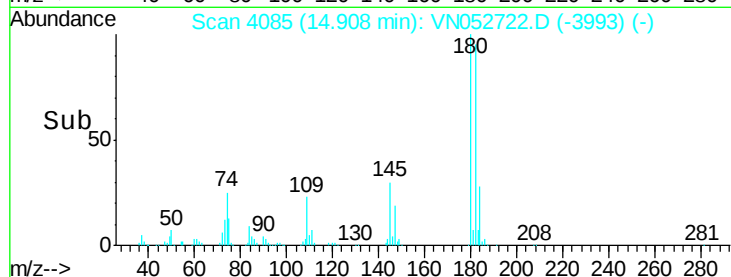
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	175294		
182	94.3	47.8	143.4	
145	28.7	14.1	42.3	

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:50:41 PM

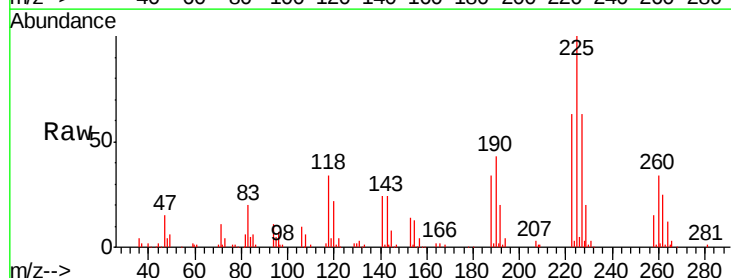


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

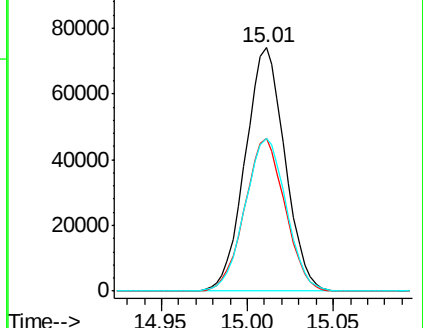
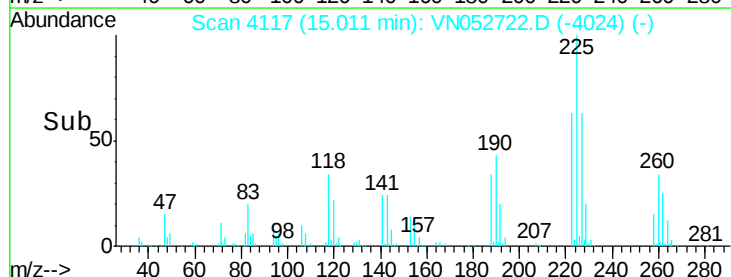


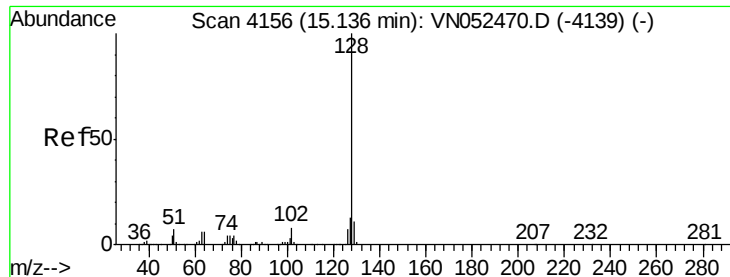
#94
 Hexachlorobutadiene
 Concen: 20.567 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052722.D
 Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118449		
223	63.7	31.4	94.2	
227	65.0	32.5	97.4	



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





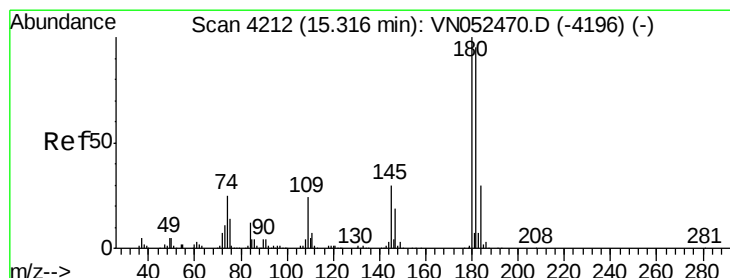
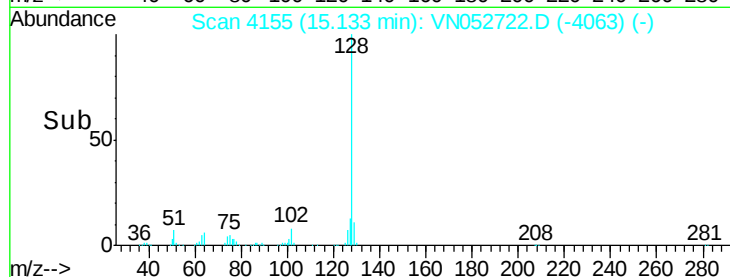
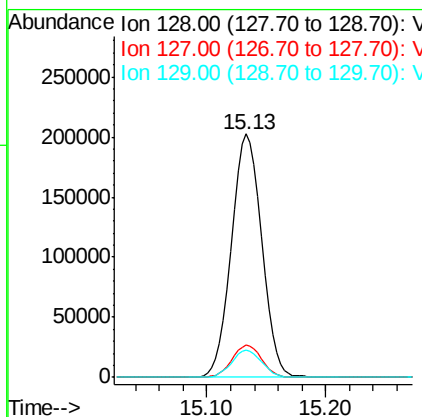
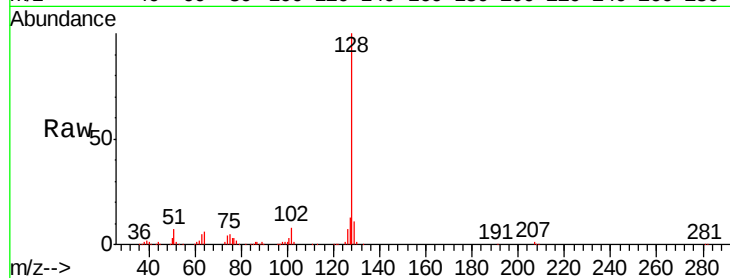
#95
Naphthalene
Concen: 19.488 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBS02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.258 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052722.D
Acq: 7 Dec 2018 13:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.3
145	29.9	15.2	45.5

