

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052617.D
 Acq On : 30 Nov 2018 19:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:47 AM

Quant Time: Dec 01 02:39:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1069975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1678260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1491492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	690320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	550770	47.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.56%	
35) Dibromofluoromethane	7.59	113	495604	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1902386	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.40	95	654449	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	424434	42.365	ug/l	98
3) Chloromethane	2.06	50	555690	42.020	ug/l	99
4) Vinyl Chloride	2.19	62	582291	42.863	ug/l	99
5) Bromomethane	2.57	94	338865	39.978	ug/l	100
6) Chloroethane	2.71	64	354728	43.108	ug/l	99
7) Trichlorofluoromethane	3.02	101	748378	44.848	ug/l	98
8) Diethyl Ether	3.41	74	288586	46.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	469352	45.076	ug/l	99
10) Methyl Iodide	3.96	142	712073	51.346	ug/l	99
11) Tert butyl alcohol	4.78	59	156197	267.811	ug/l	98
12) 1,1-Dichloroethene	3.74	96	448803	44.778	ug/l	99
13) Acrolein	3.61	56	178876	184.910	ug/l	99
14) Allyl chloride	4.33	41	774322	44.825	ug/l	98
15) Acrylonitrile	4.99	53	887503	240.388	ug/l	99
16) Acetone	3.81	43	610679	198.735	ug/l	99
17) Carbon Disulfide	4.06	76	1282743	40.668	ug/l	99
18) Methyl Acetate	4.33	43	432314	49.047	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1293310	48.498	ug/l	98
20) Methylene Chloride	4.55	84	521362	43.357	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	486590	45.456	ug/l	95
22) Diisopropyl ether	5.95	45	1670621	46.041	ug/l	99
23) Vinyl Acetate	5.90	43	5413322	239.522	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943777	45.554	ug/l	100
25) 2-Butanone	6.83	43	995795	228.634	ug/l	96
26) 2,2-Dichloropropane	6.83	77	639545	44.598	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	570550	45.756	ug/l	98
28) Bromochloromethane	7.20	49	435295	46.001	ug/l	96
29) Tetrahydrofuran	7.21	42	664175	236.427	ug/l	99
30) Chloroform	7.37	83	929633	44.975	ug/l	99
31) Cyclohexane	7.66	56	863193	42.995	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	764317	46.670	ug/l	99
36) 1,1-Dichloropropene	7.79	75	709591	44.774	ug/l	98
37) Ethyl Acetate	6.93	43	448876	46.409	ug/l	99
38) Carbon Tetrachloride	7.77	117	666387	46.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	848351	44.041	ug/l	98
40) Benzene	8.04	78	2140422	45.318	ug/l	100
41) Methacrylonitrile	7.17	41	256254	48.461	ug/l	97
42) 1,2-Dichloroethane	8.12	62	657304	45.962	ug/l	99
43) Isopropyl Acetate	8.17	43	839495	51.289	ug/l	97
44) Trichloroethene	8.84	130	556242	45.978	ug/l	99
45) 1,2-Dichloropropane	9.12	63	573810	45.697	ug/l	100
46) Dibromomethane	9.21	93	328901	47.315	ug/l	99
47) Bromodichloromethane	9.40	83	705199	46.661	ug/l	98
48) Methyl methacrylate	9.20	41	414950	48.619	ug/l	99
49) 1,4-Dioxane	9.20	88	95778	1081.303	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2283206	248.616	ug/l	100
52) Toluene	10.16	92	1314565	46.845	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	710216	48.847	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	834045	47.869	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	473009	47.920	ug/l	100
56) Ethyl methacrylate	10.43	69	632430	46.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	817548	46.907	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1749054	244.194	ug/l	99
59) 2-Hexanone	10.75	43	1529851	248.206	ug/l	99
60) Dibromochloromethane	10.90	129	524101	48.886	ug/l	99
61) 1,2-Dibromoethane	11.01	107	473799	48.328	ug/l	99
64) Tetrachloroethene	10.63	164	536991	46.437	ug/l	99
65) Chlorobenzene	11.44	112	1437405	46.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	508975	47.597	ug/l	99
67) Ethyl Benzene	11.51	91	2532022	47.014	ug/l	100
68) m/p-Xylenes	11.62	106	1904205	94.976	ug/l	99
69) o-Xylene	11.95	106	933355	47.939	ug/l	99
70) Styrene	11.96	104	1519508	49.000	ug/l	100
71) Bromoform	12.13	173	356042	50.286	ug/l	99
73) Isopropylbenzene	12.25	105	2494036	46.050	ug/l	100
74) N-amyl acetate	12.07	43	713710	52.161	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	574687	46.646	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	487470m	45.793	ug/l	
77) Bromobenzene	12.53	156	620286	46.336	ug/l	99
78) n-propylbenzene	12.59	91	2857244	46.438	ug/l	100
79) 2-Chlorotoluene	12.68	91	1665406	45.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2008224	46.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159547	50.052	ug/l	99
82) 4-Chlorotoluene	12.77	91	1694246	45.881	ug/l	100
83) tert-Butylbenzene	12.99	119	1767778	45.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2029580	46.885	ug/l	100
85) sec-Butylbenzene	13.17	105	2401106	45.780	ug/l	99
86) p-Isopropyltoluene	13.29	119	2076524	46.483	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090248	46.559	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1075804	46.642	ug/l	100
89) n-Butylbenzene	13.62	91	1764765	47.501	ug/l	100
90) Hexachloroethane	13.88	117	342846	45.326	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1057832	47.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88203	50.057	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	555092	45.560	ug/l	100
94) Hexachlorobutadiene	15.01	225	316460	43.970	ug/l	99
95) Naphthalene	15.13	128	1199688	46.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	512558	45.733	ug/l	99

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

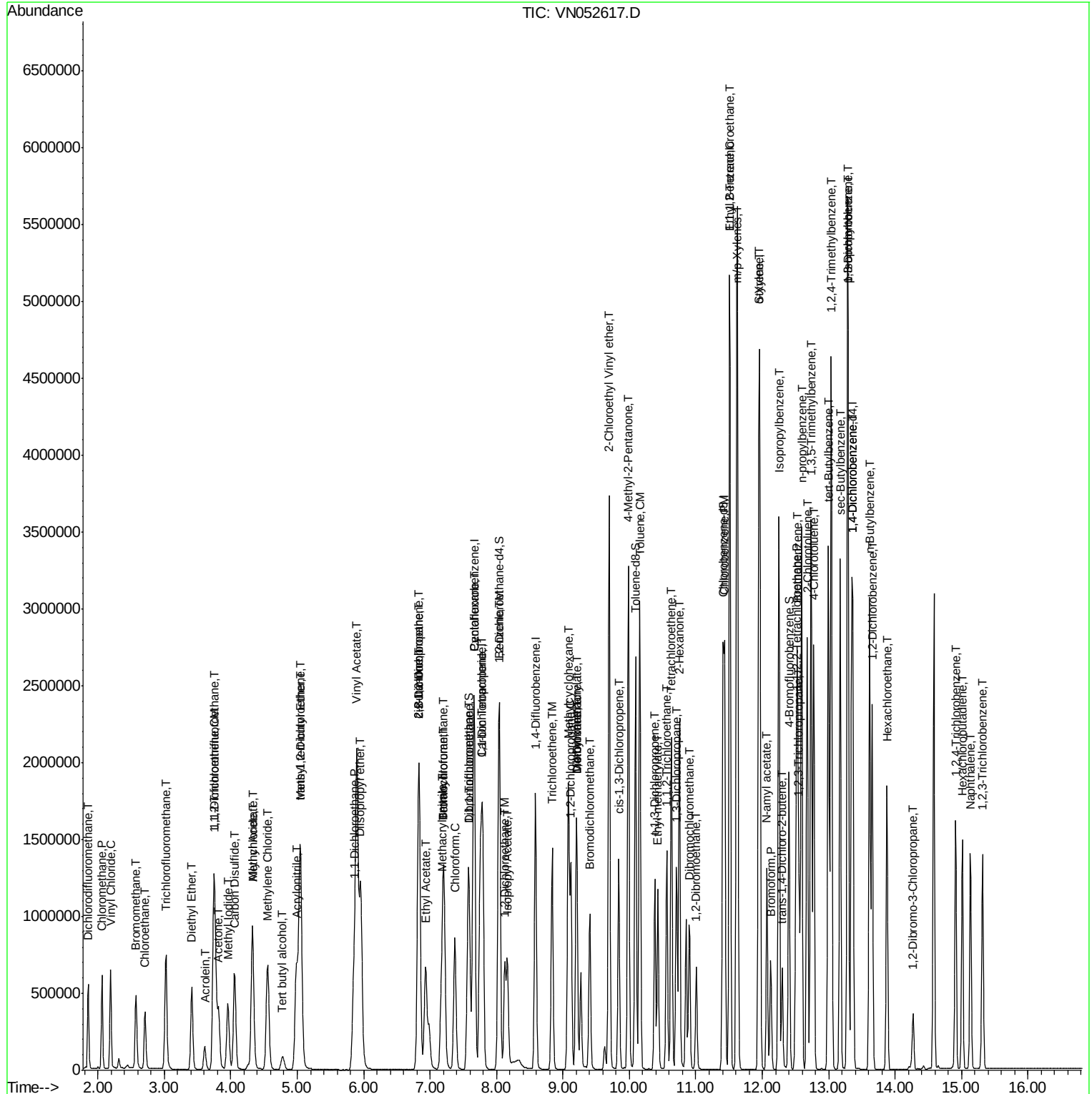
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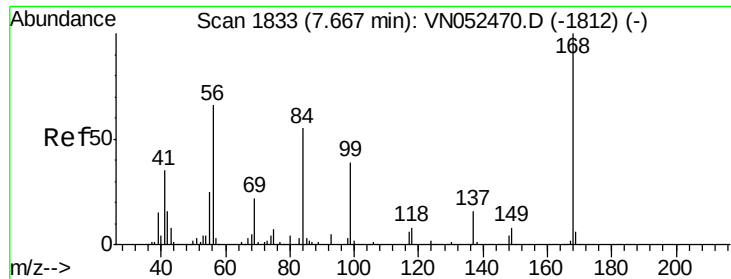
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052617.D

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Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 1069975

Ion Ratio Lower Upper

168 100

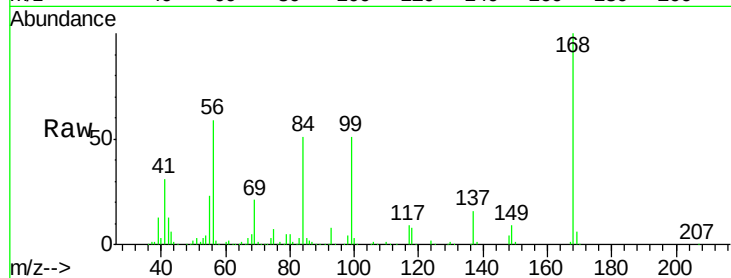
99 50.5 41.7 62.5

Manual Integrations

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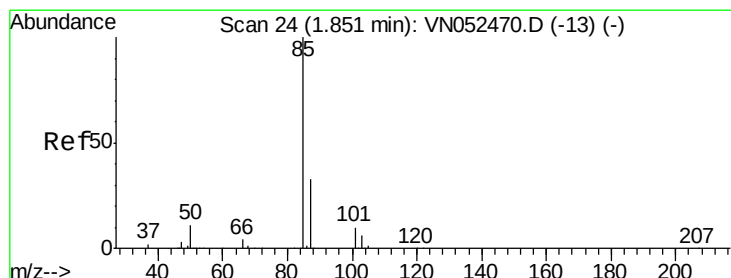
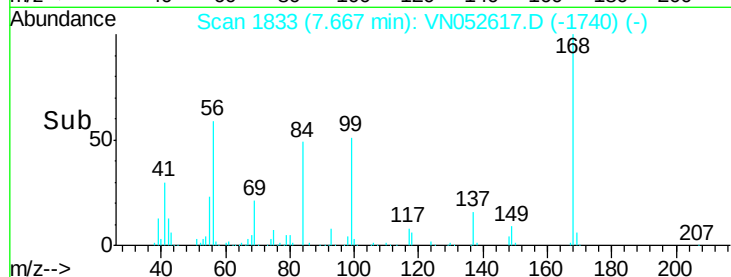
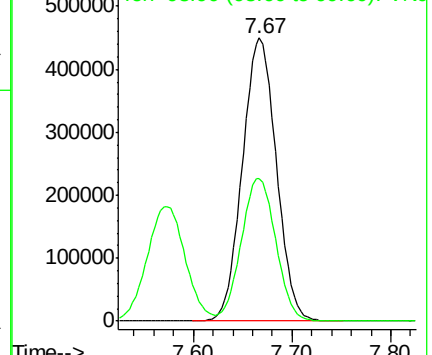
MMDadoda

12/3/2018 10:49:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 42.365 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052617.D

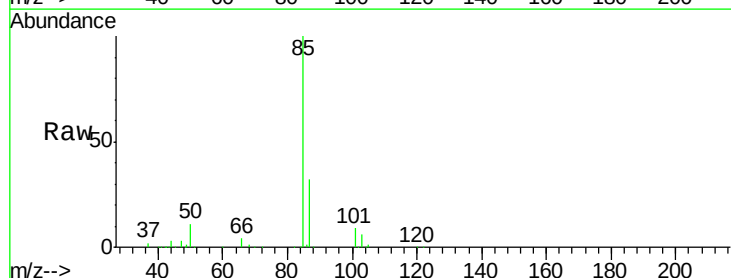
Acq: 30 Nov 2018 19:48

Tgt Ion: 85 Resp: 424434

Ion Ratio Lower Upper

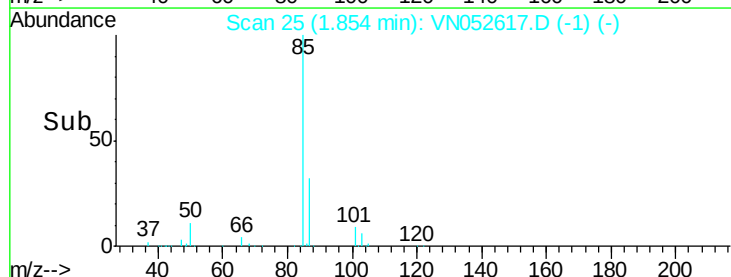
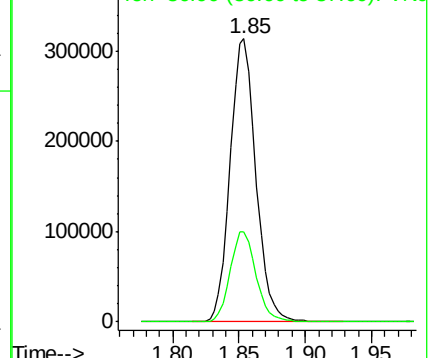
85 100

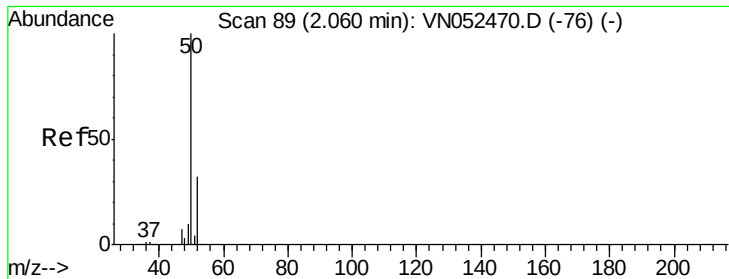
87 32.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 42.020 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 555690

Ion Ratio Lower Upper

50 100

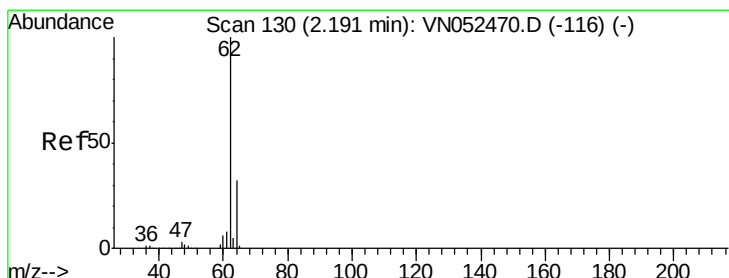
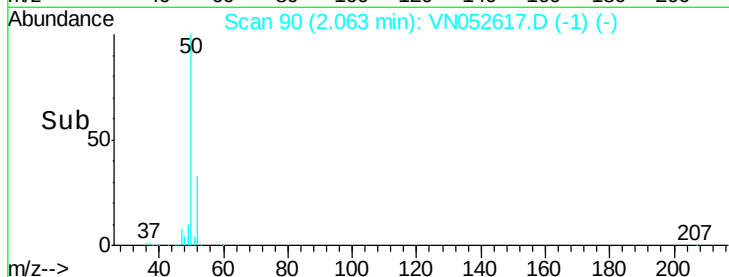
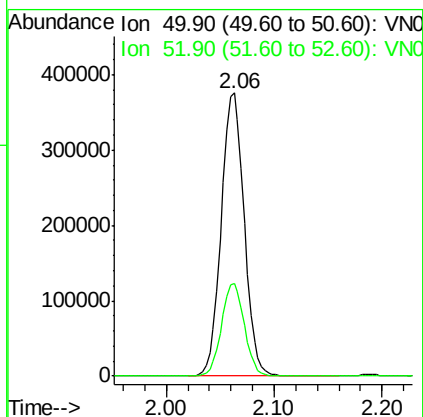
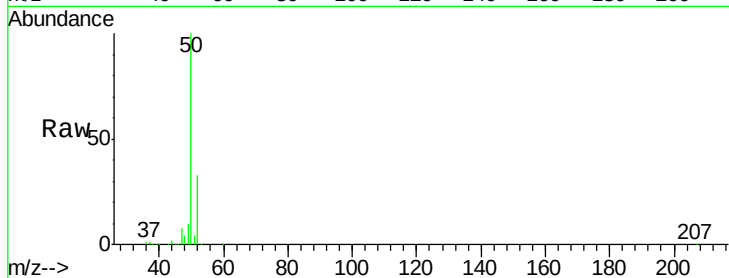
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.863 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052617.D

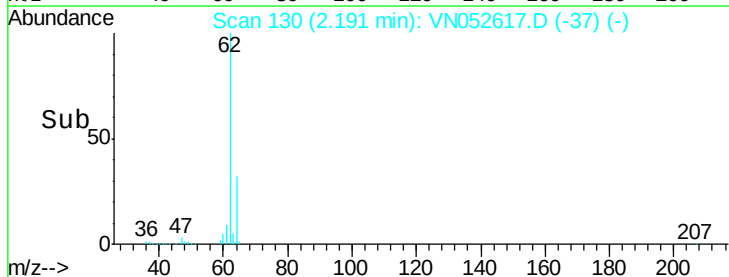
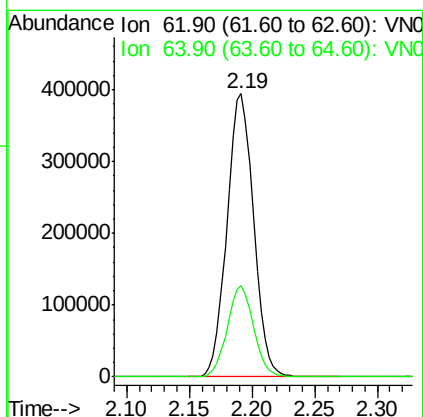
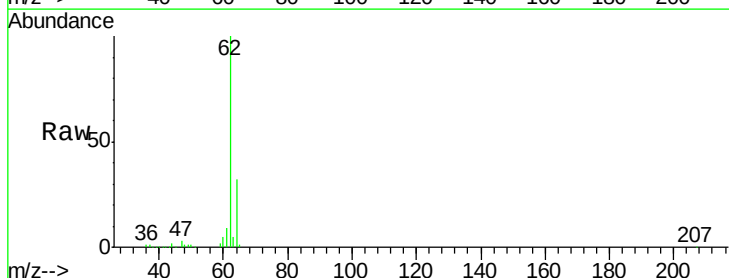
Acq: 30 Nov 2018 19:48

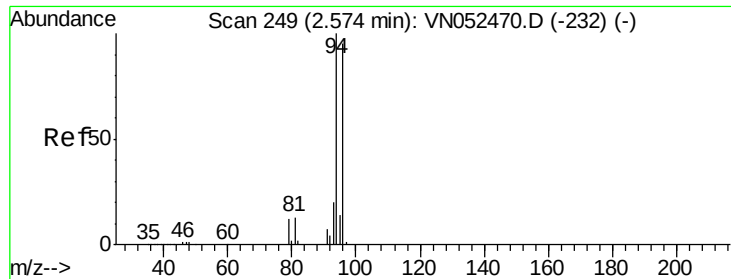
Tgt Ion: 62 Resp: 582291

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 39.978 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

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ClientSampleId :

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Tgt Ion: 94 Resp: 338865

Ion Ratio Lower Upper

94 100

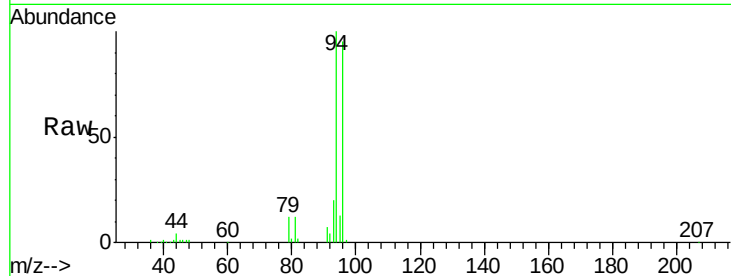
96 94.9 75.8 113.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

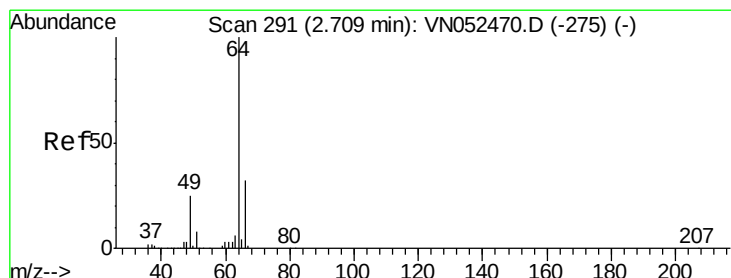
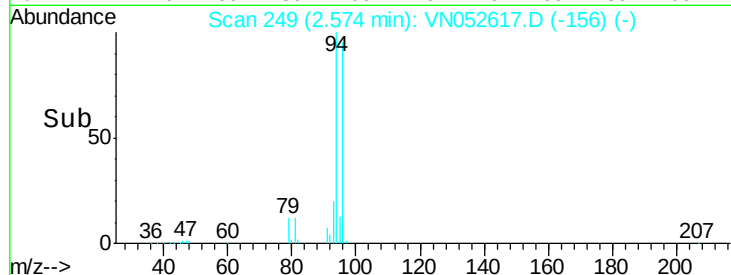
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.108 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052617.D

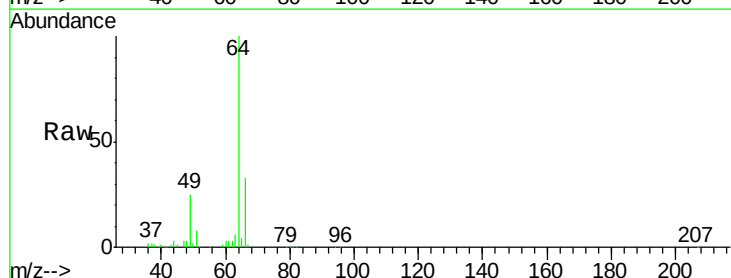
Acq: 30 Nov 2018 19:48

Tgt Ion: 64 Resp: 354728

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

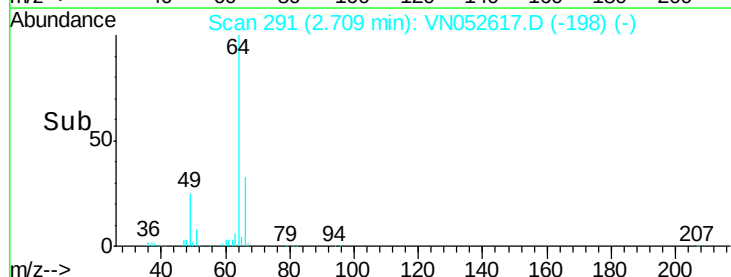
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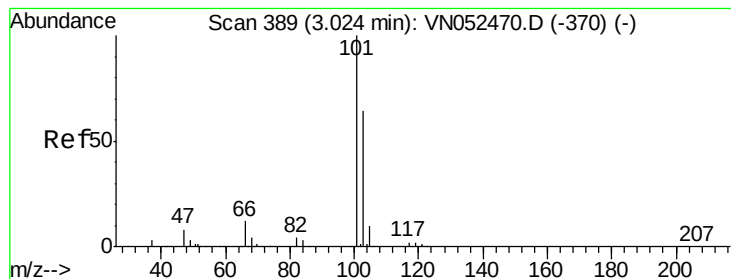
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50000

0

Time-->





#7

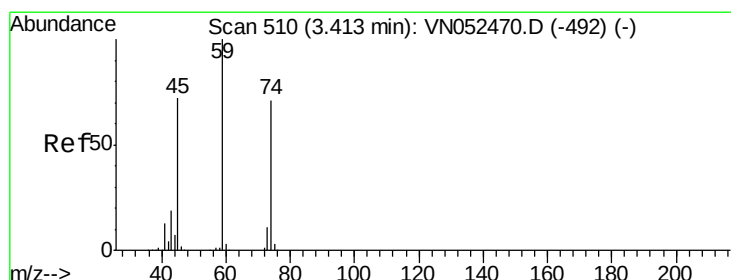
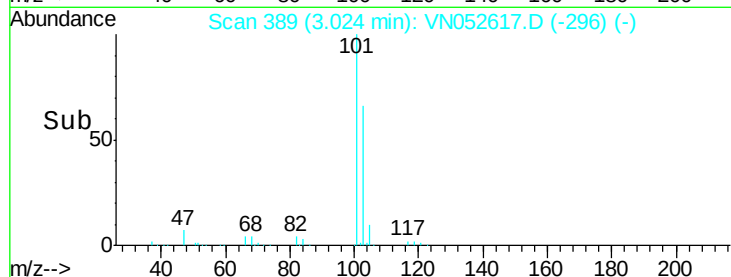
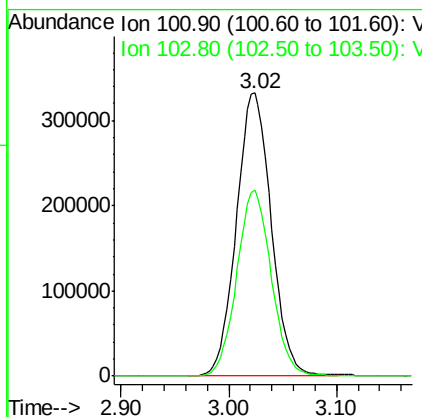
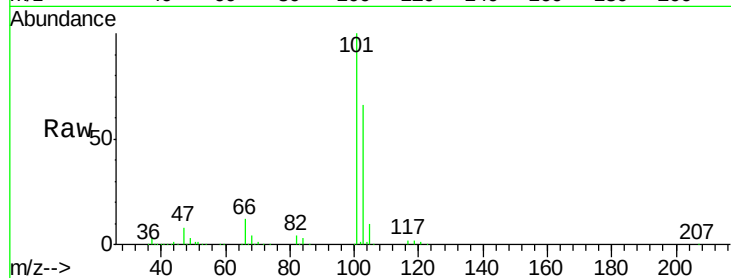
Trichlorofluoromethane
Concen: 44.848 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052617.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.2

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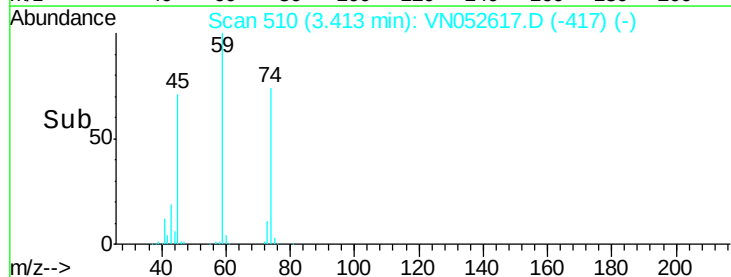
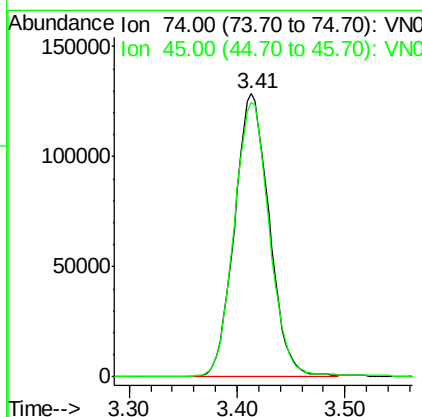
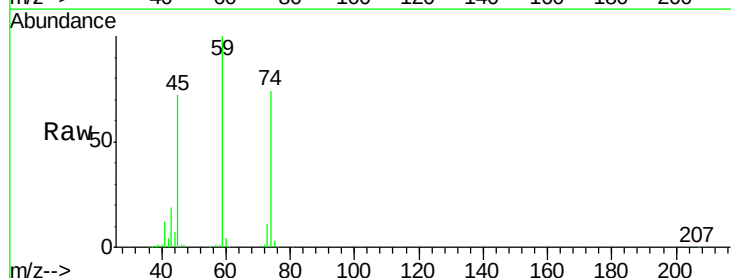
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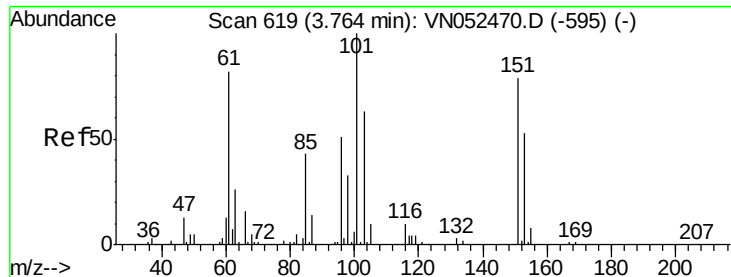


#8

Diethyl Ether
Concen: 46.831 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.076 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

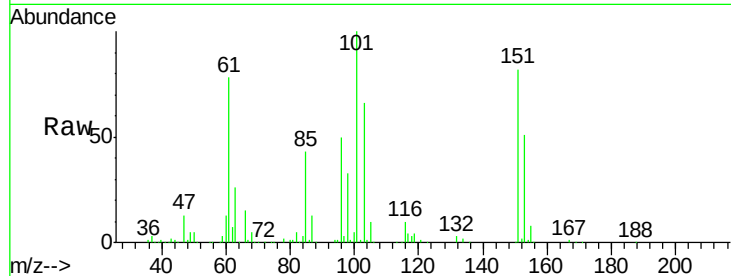
ClientSampleId :

VSTDCCC050EC

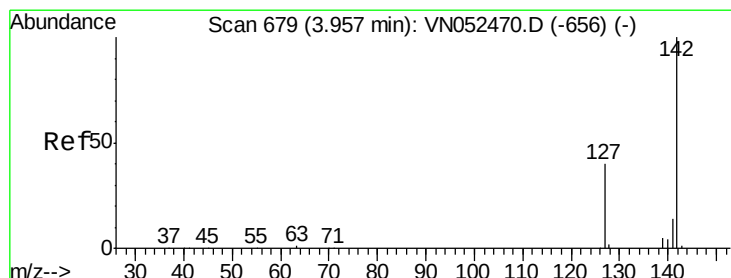
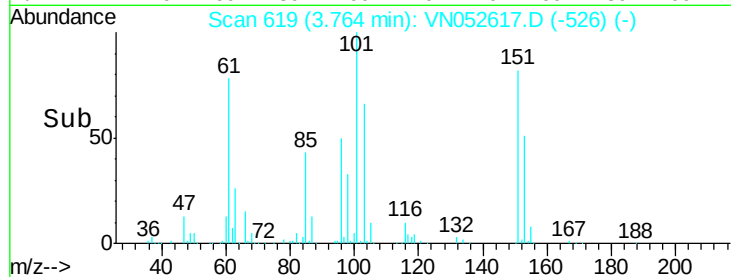
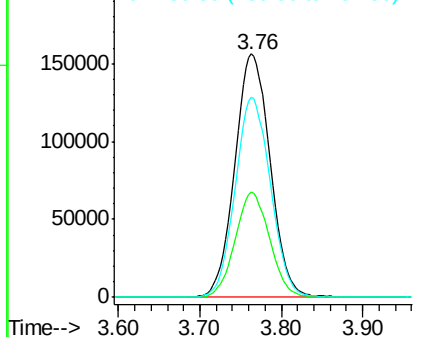
Tgt Ion:	101	Resp:	469352
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.4
151	82.1	64.6	96.8

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



#10

Methyl Iodide

Concen: 51.346 ug/l

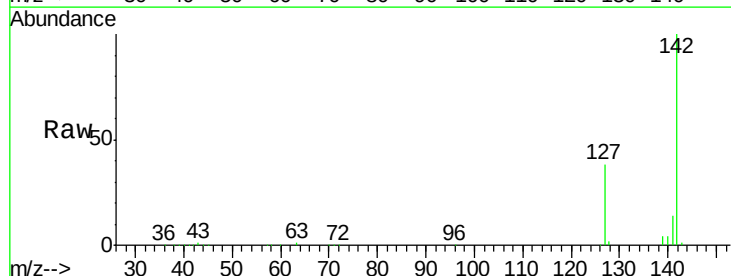
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

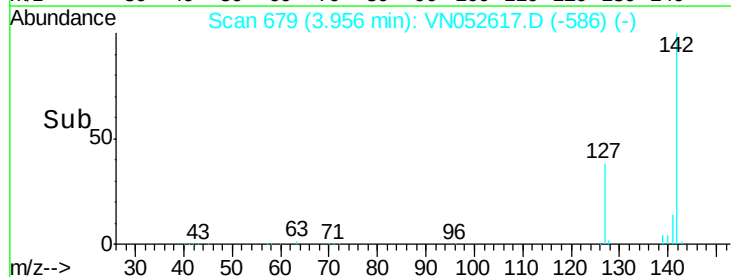
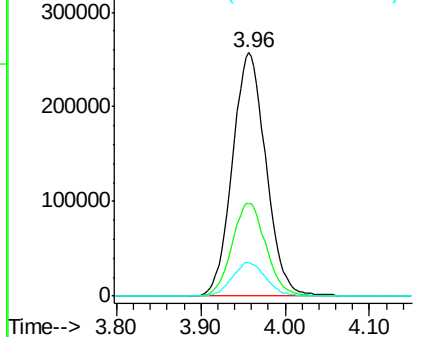
Lab File: VN052617.D

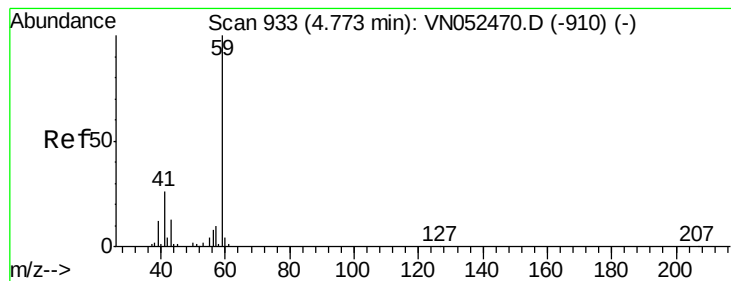
Acq: 30 Nov 2018 19:48

Tgt Ion:	142	Resp:	712073
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.8	47.6
141	14.0	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

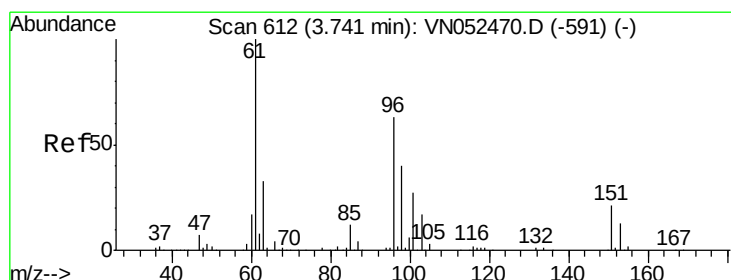
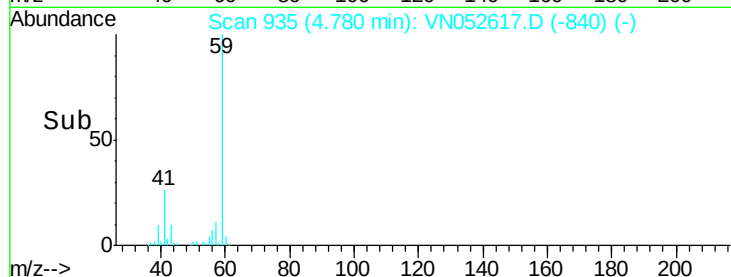
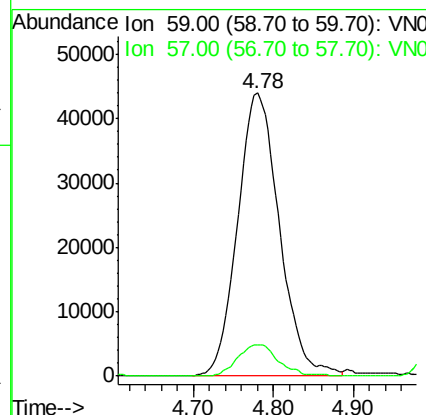
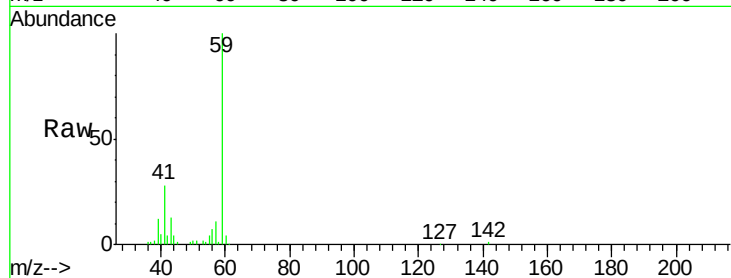
Tert butyl alcohol
Concen: 267.811 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.01 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.7	7.9	11.9

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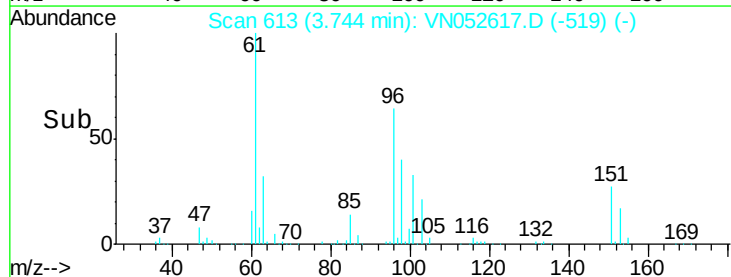
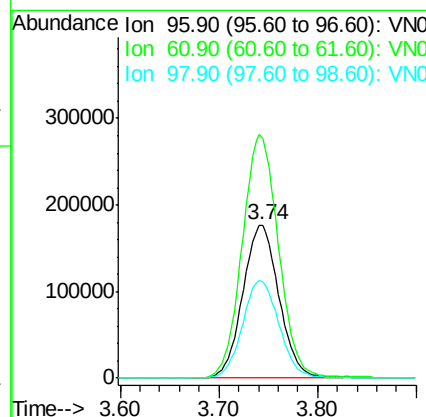
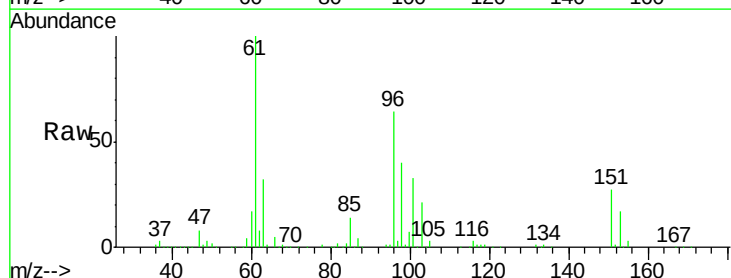
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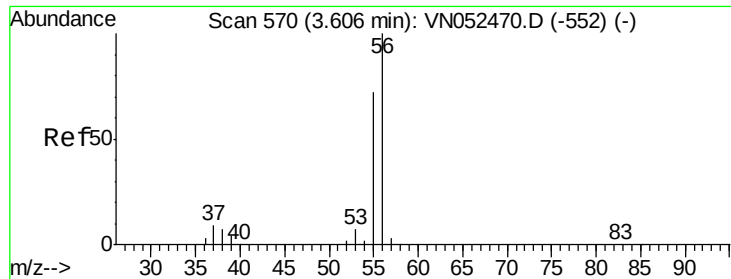


#12

1,1-Dichloroethene
Concen: 44.778 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	127.0	190.6
98	63.2	50.3	75.5





#13

Acrolein

Concen: 184.910 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 178876

Ion Ratio Lower Upper

56 100

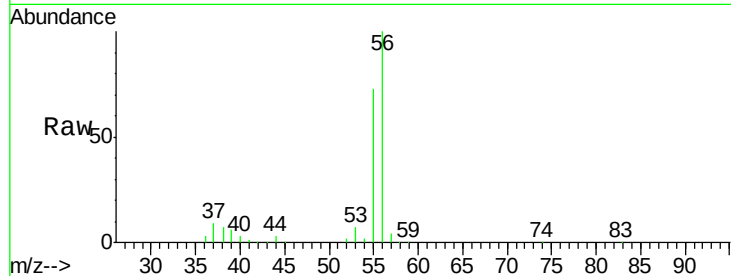
55 71.8 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052470.D (-552) (-)

3.61

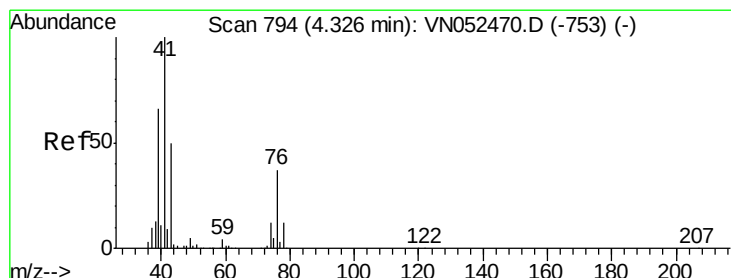
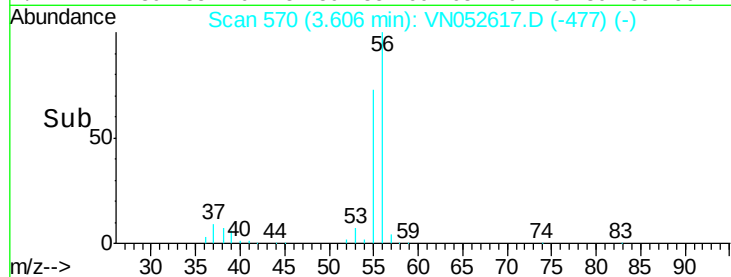
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 44.825 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

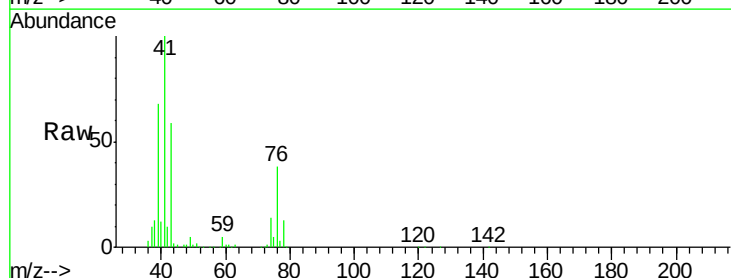
Tgt Ion: 41 Resp: 774322

Ion Ratio Lower Upper

41 100

39 64.7 50.6 76.0

76 35.5 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-753) (-)

Ion 39.00 (38.70 to 39.70): VN052470.D (-753) (-)

Ion 75.90 (75.60 to 76.60): VN052470.D (-753) (-)

4.33

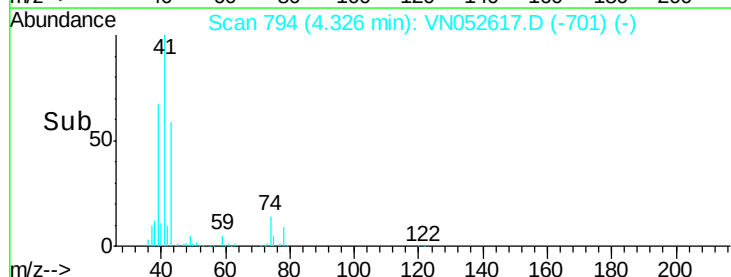
300000

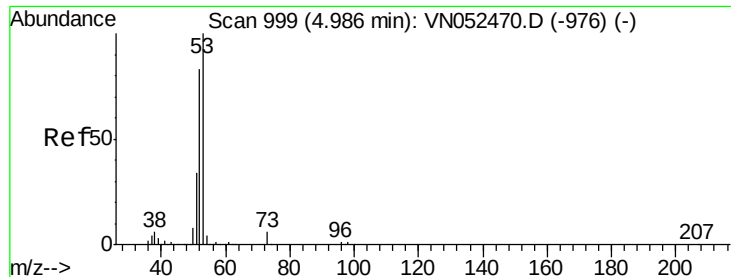
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 240.388 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

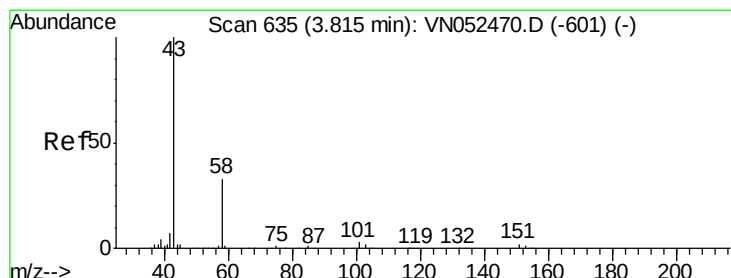
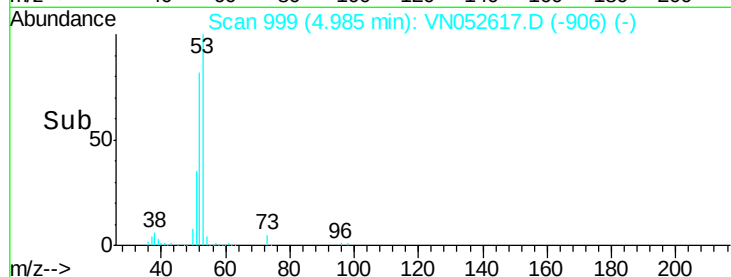
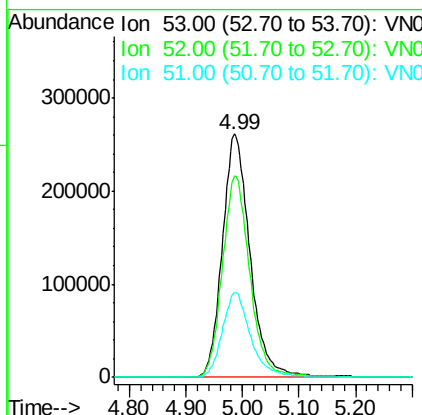
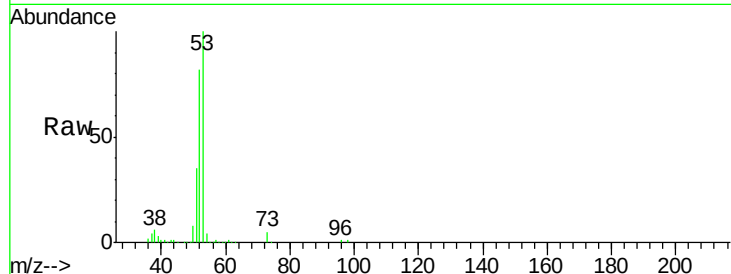
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	887503
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.2	99.2
51	35.7	28.1	42.1

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#16

Acetone

Concen: 198.735 ug/l

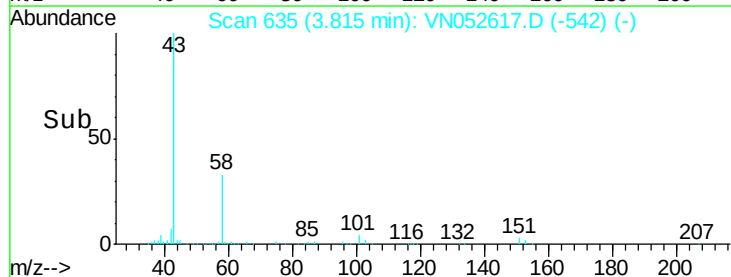
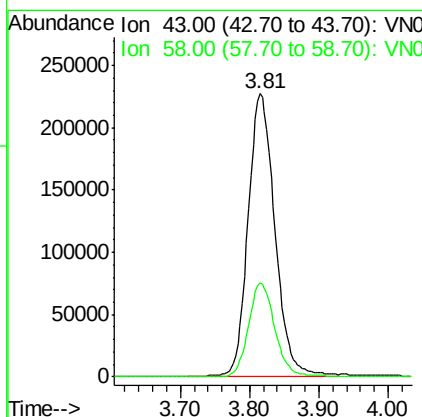
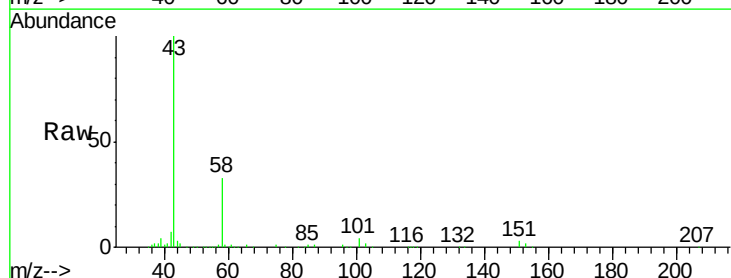
RT: 3.81 min Scan# 635

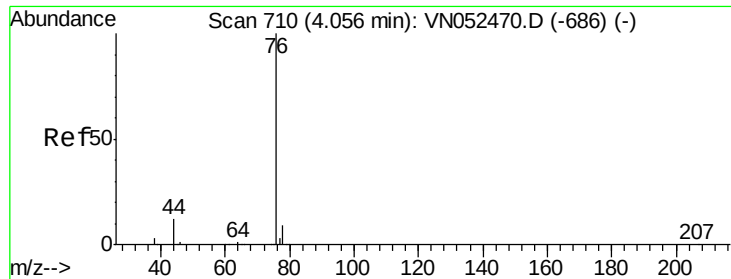
Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Tgt Ion:	43	Resp:	610679
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.0	39.0





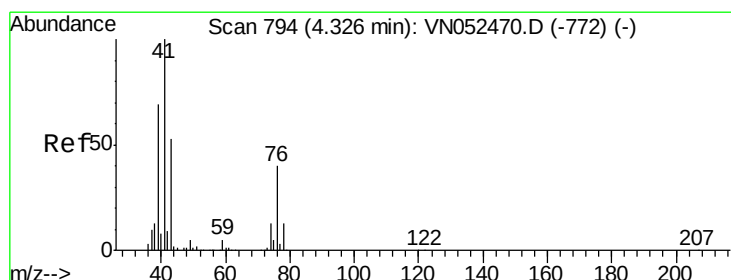
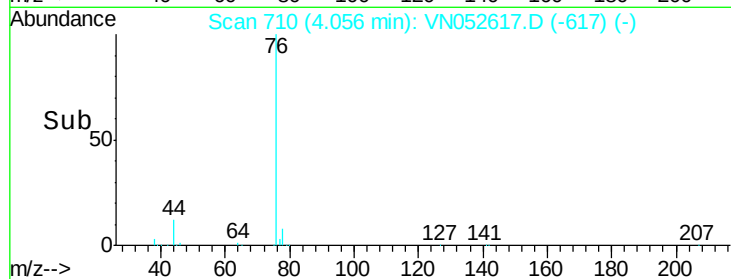
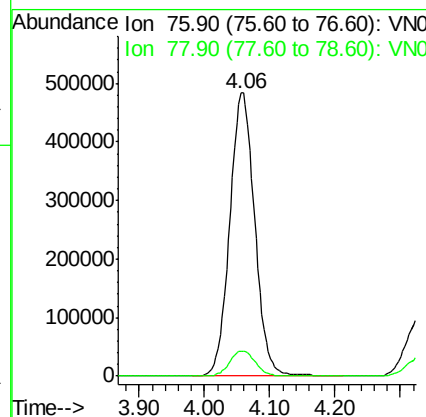
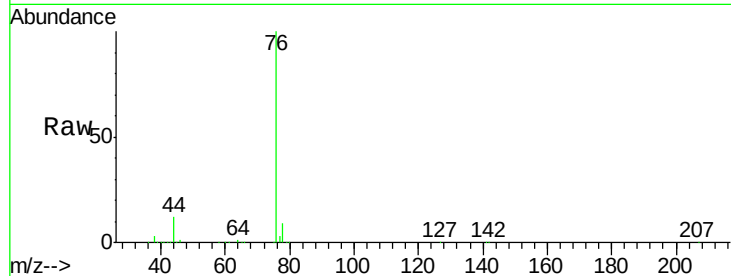
#17
Carbon Disulfide
Concen: 40.668 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 1282743
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

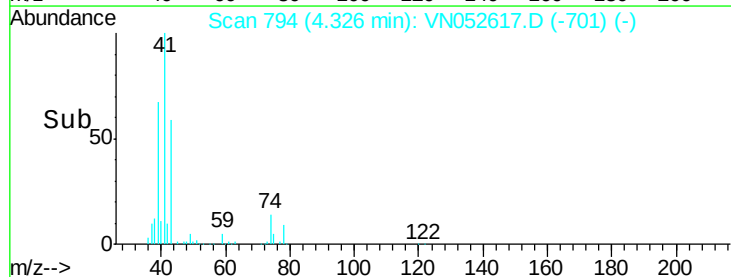
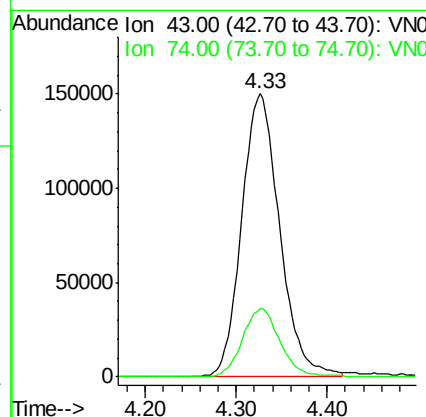
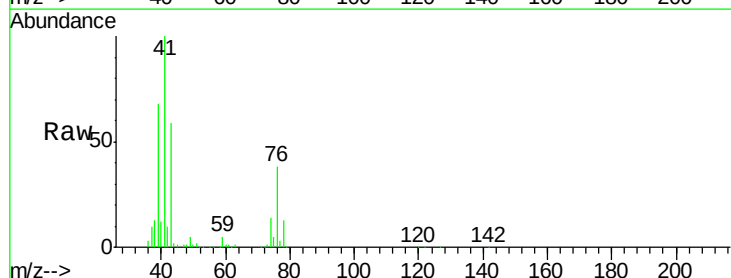
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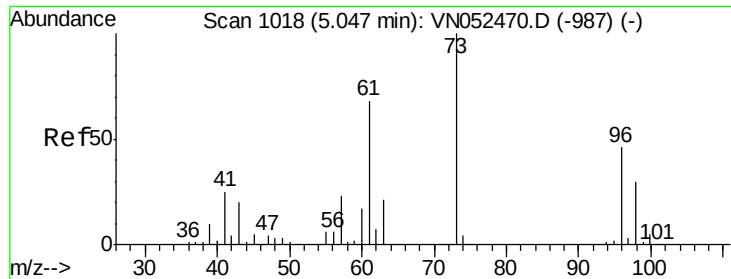
MMDadoda
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#18
Methyl Acetate
Concen: 49.047 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 43 Resp: 432314
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





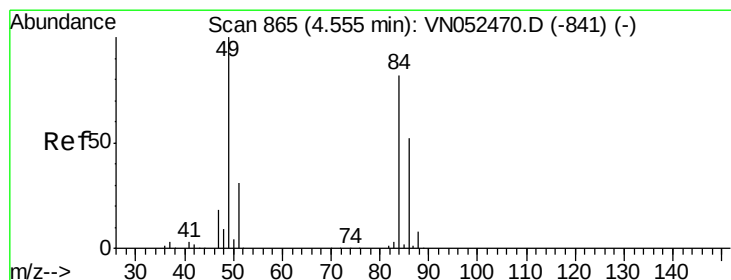
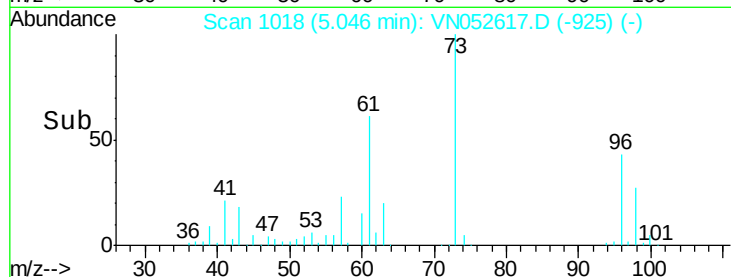
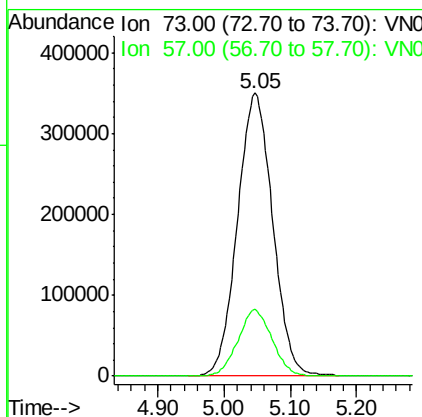
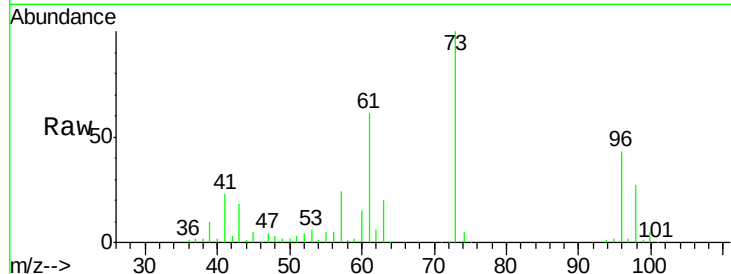
#19
Methyl tert-butyl Ether
Concen: 48.498 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 1293310
Ion Ratio Lower Upper
73 100
57 23.5 18.2 27.2

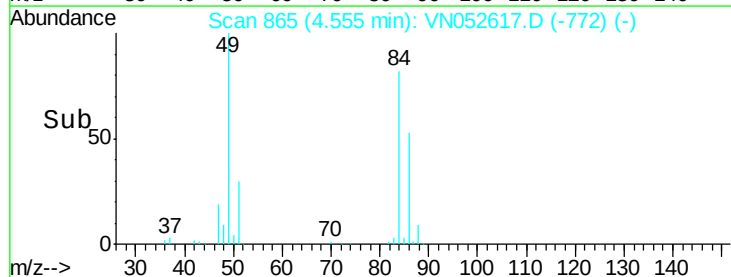
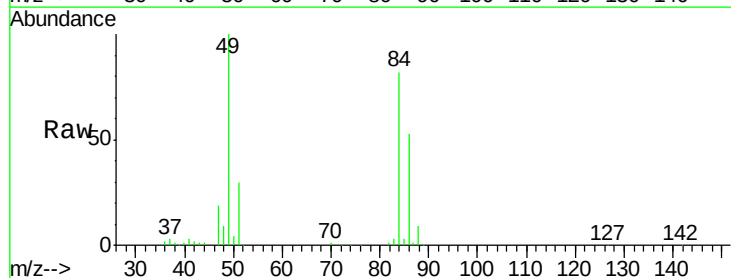
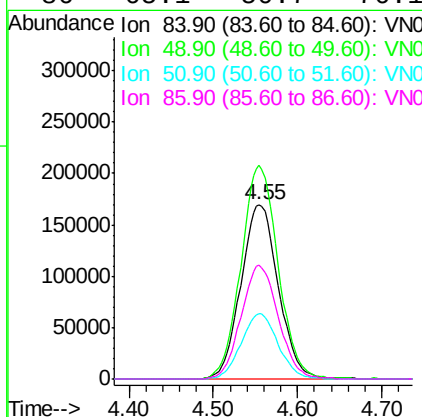
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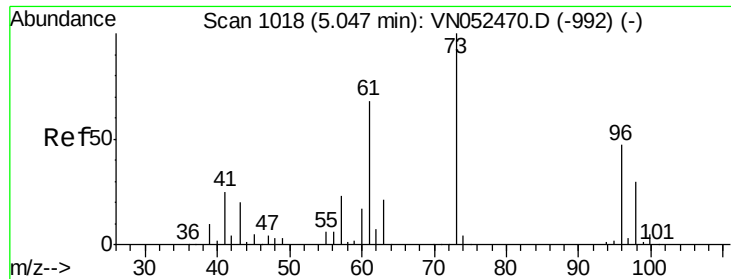
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#20
Methylene Chloride
Concen: 43.357 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 84 Resp: 521362
Ion Ratio Lower Upper
84 100
49 122.5 98.0 147.0
51 37.3 30.1 45.1
86 65.1 50.7 76.1





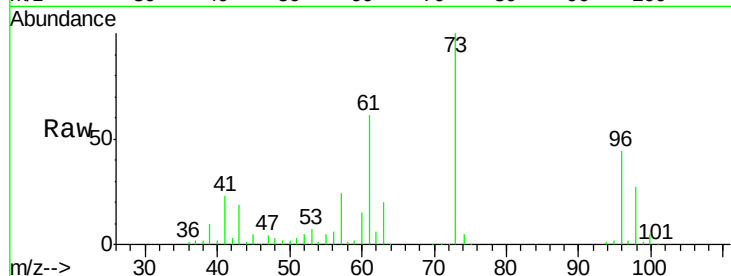
#21
trans-1,2-Dichloroethene
Concen: 45.456 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	117.0	175.4
98	61.6	51.8	77.6

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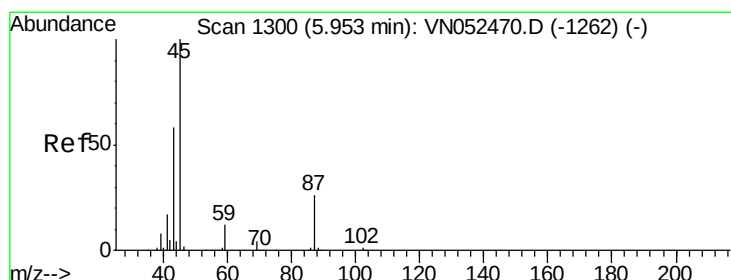
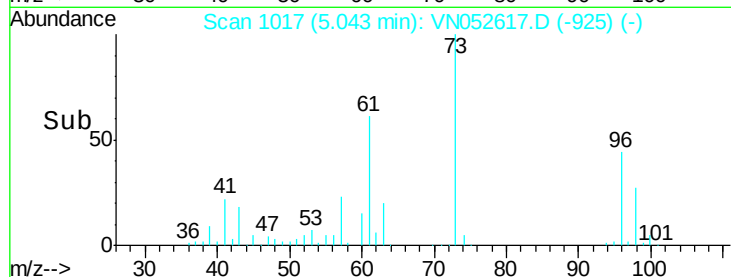
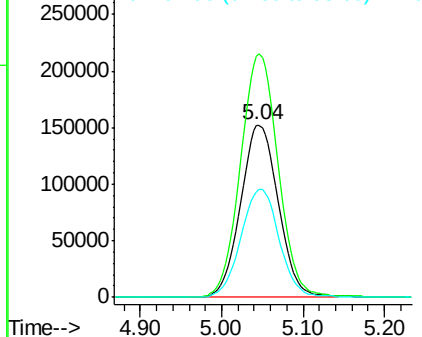


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 46.041 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	46.1	69.1
87	27.0	21.3	31.9
59	11.7	9.5	14.3

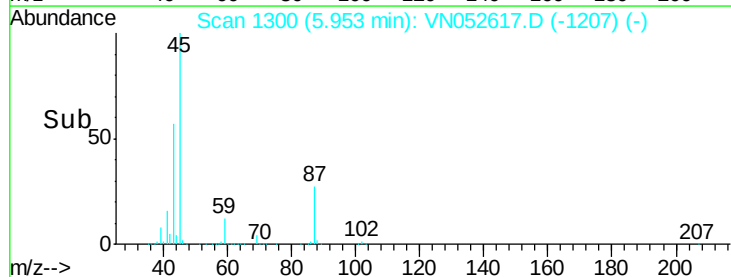
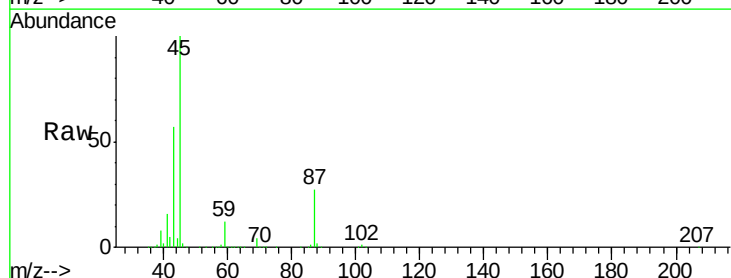
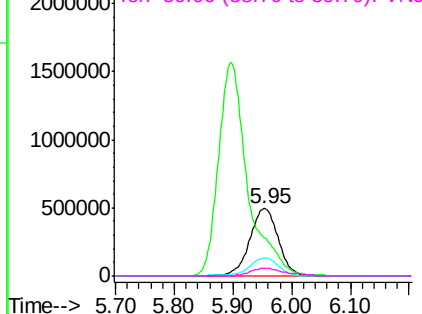
Abundance

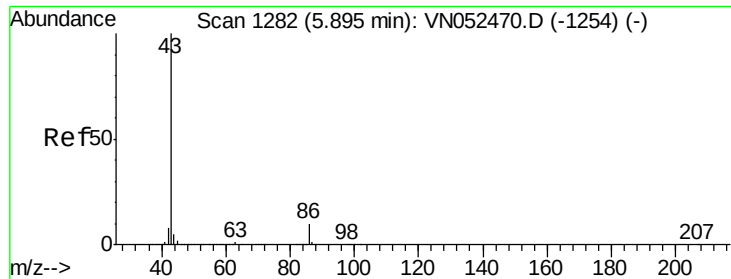
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





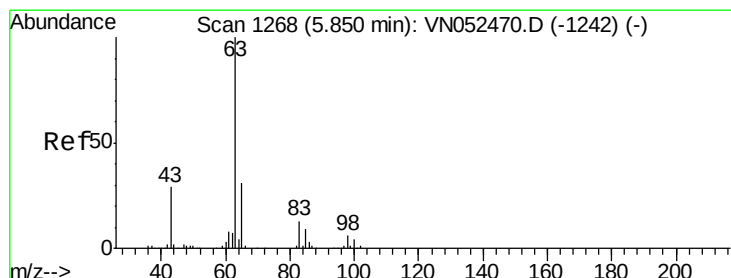
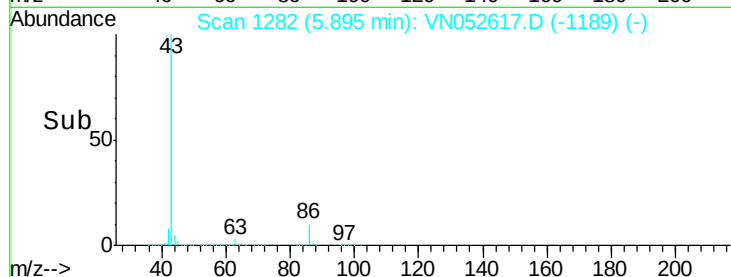
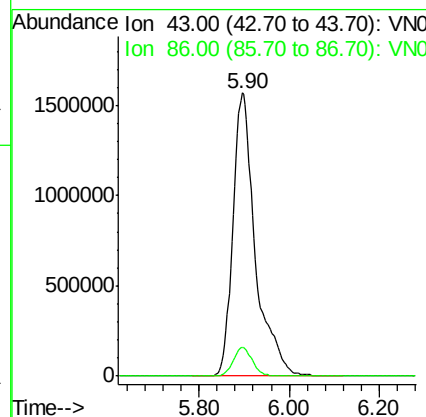
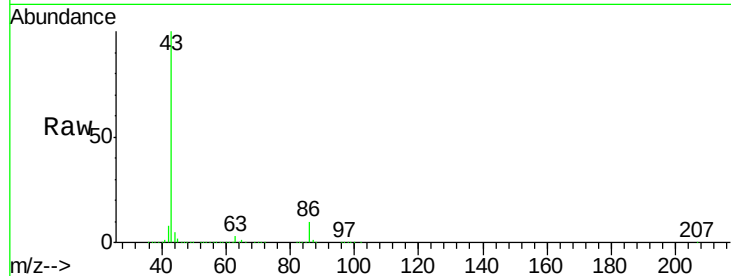
#23
 Vinyl Acetate
 Concen: 239.522 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 5413322
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

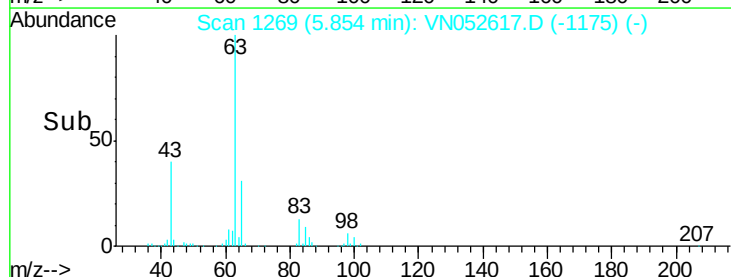
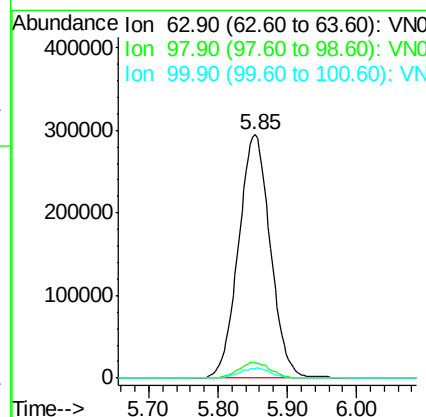
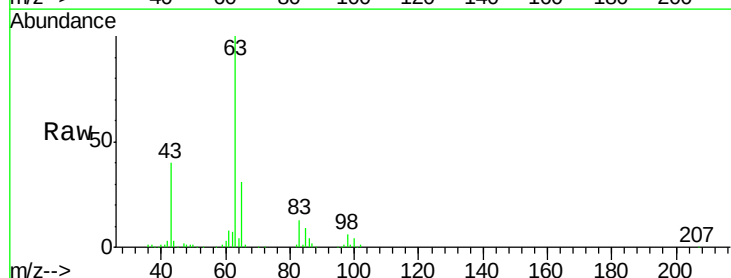
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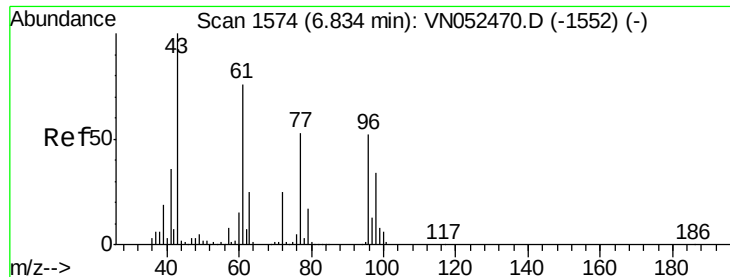
MMDadoda
 12/3/2018 10:49:47 AM



#24
 1,1-Dichloroethane
 Concen: 45.554 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 63 Resp: 943777
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 228.634 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 995795

Ion Ratio Lower Upper

43 100

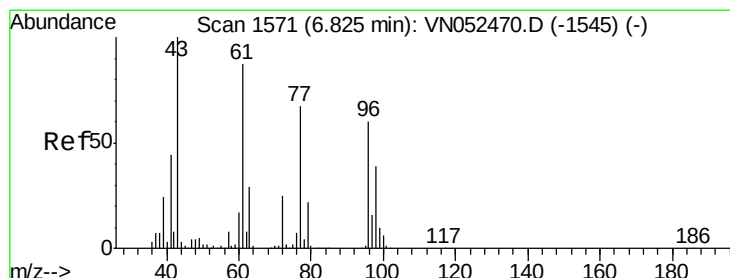
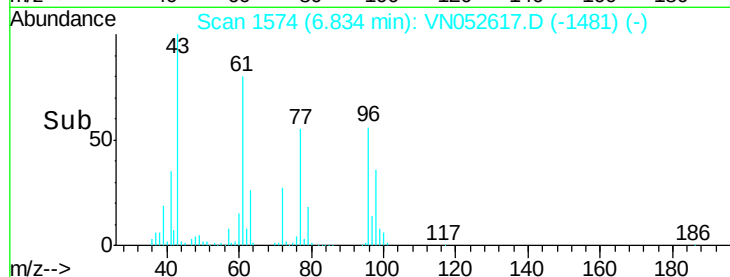
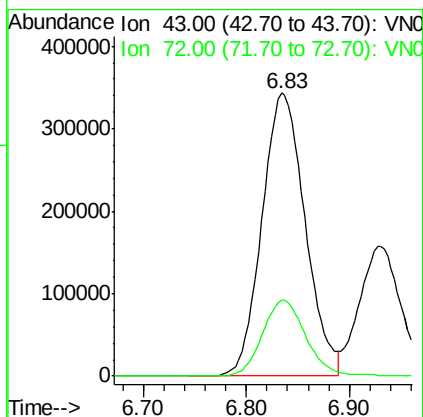
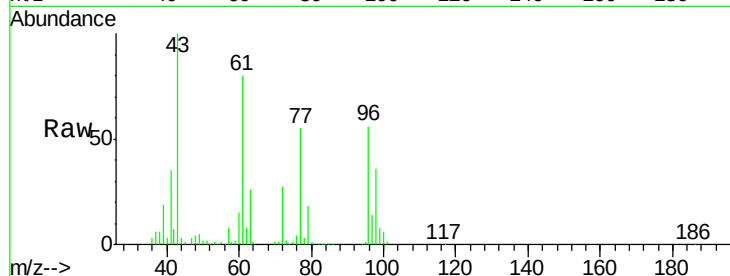
72 27.0 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 44.598 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052617.D

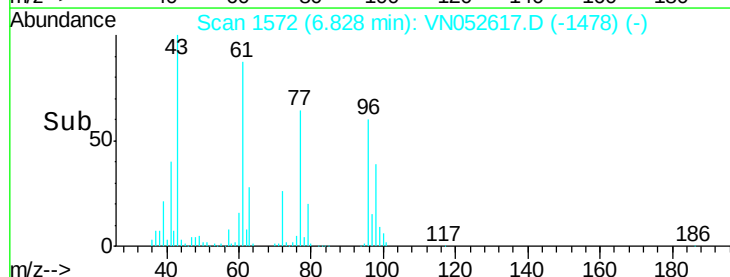
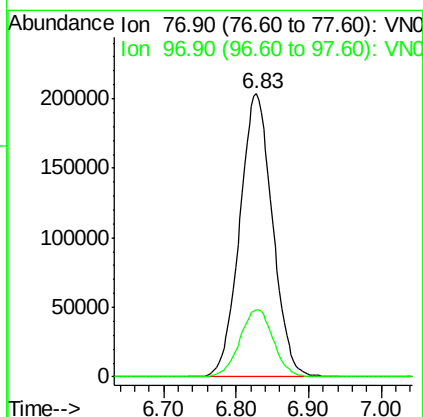
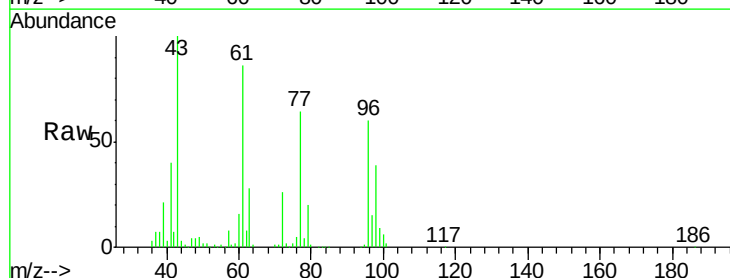
Acq: 30 Nov 2018 19:48

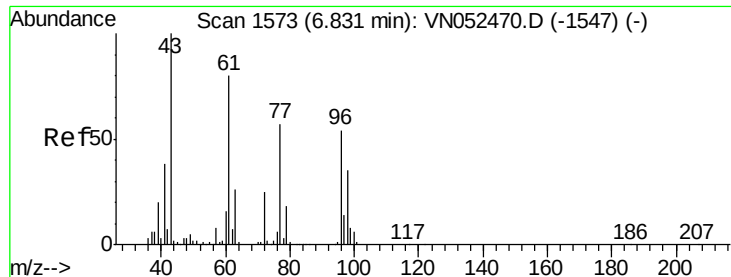
Tgt Ion: 77 Resp: 639545

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 45.756 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 570550
Ion Ratio Lower Upper

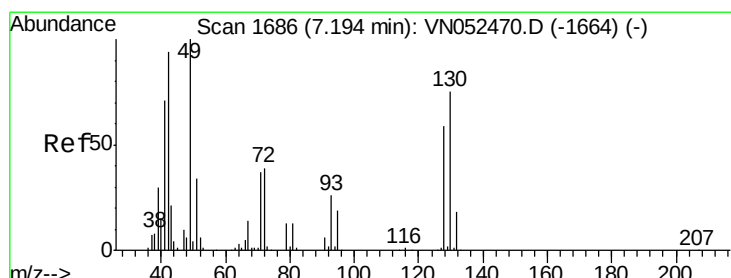
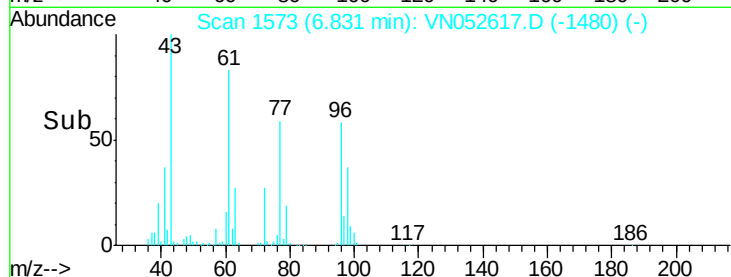
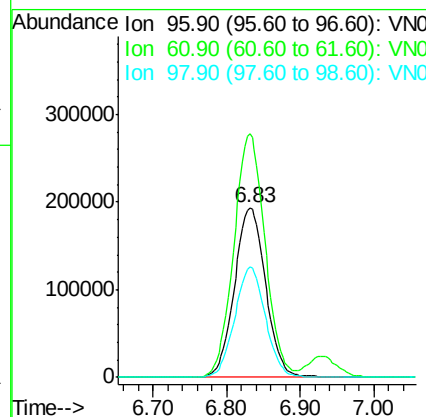
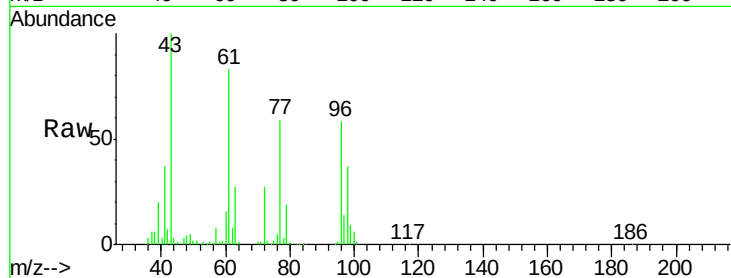
96 100

61 143.2 0.0 291.0

98 64.2 0.0 130.0

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#28

Bromochloromethane

Concen: 46.001 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052617.D

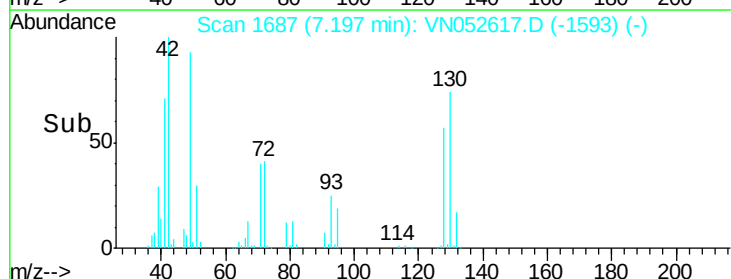
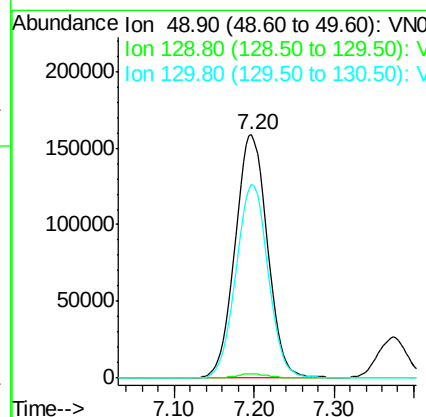
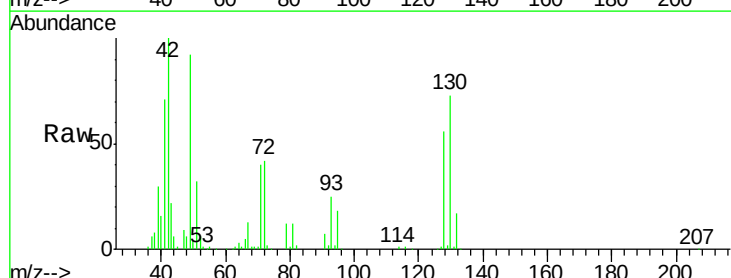
Acq: 30 Nov 2018 19:48

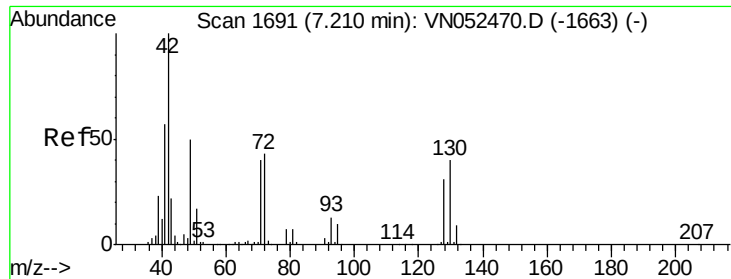
Tgt Ion: 49 Resp: 435295
Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

130 79.0 60.2 90.2





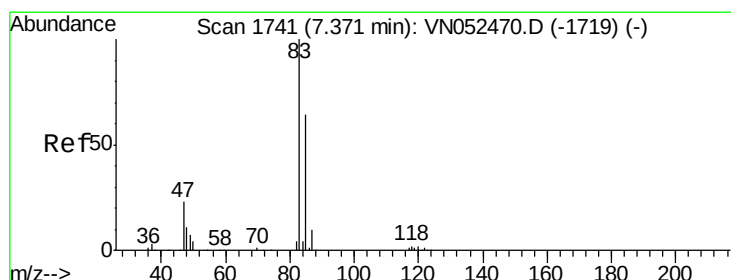
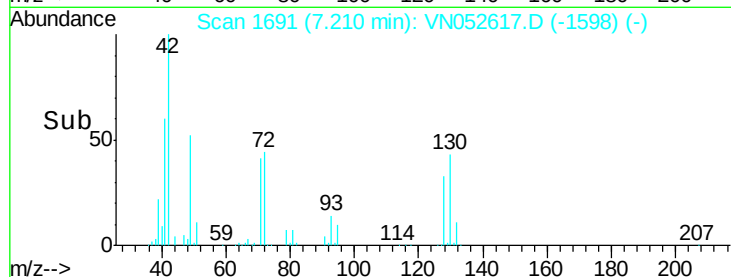
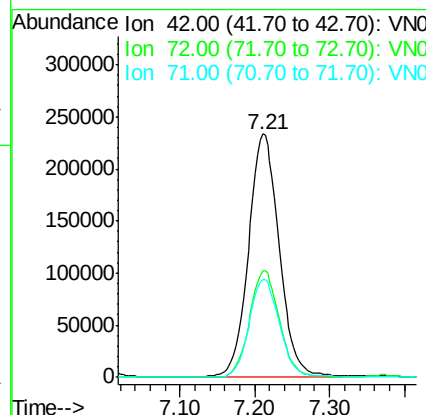
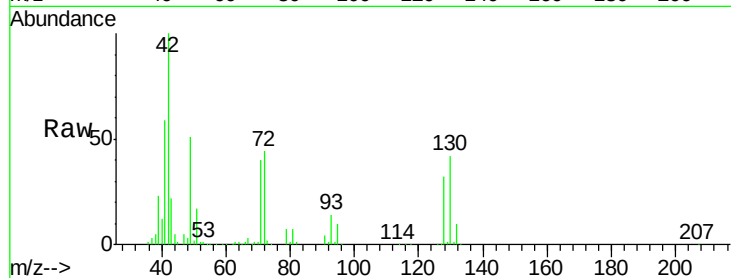
#29
Tetrahydrofuran
Concen: 236.427 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.3	49.9
71	40.1	32.0	48.0

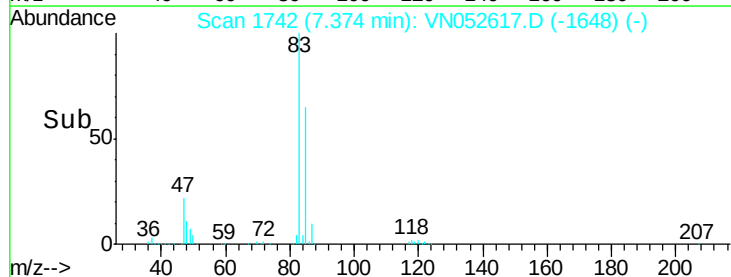
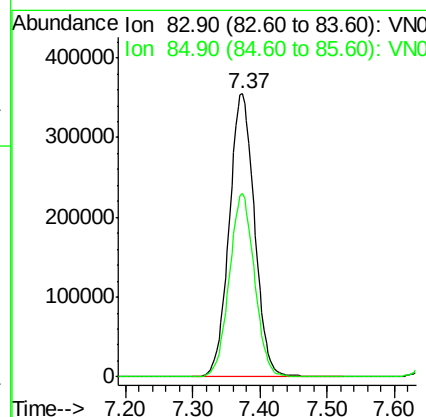
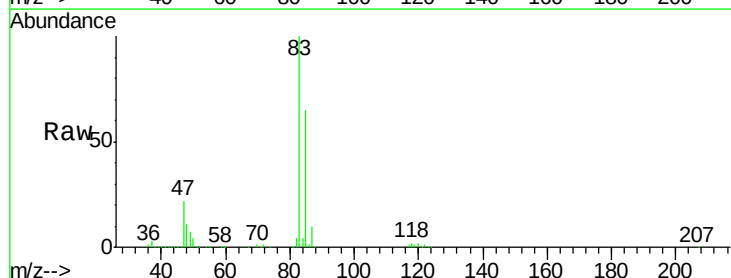
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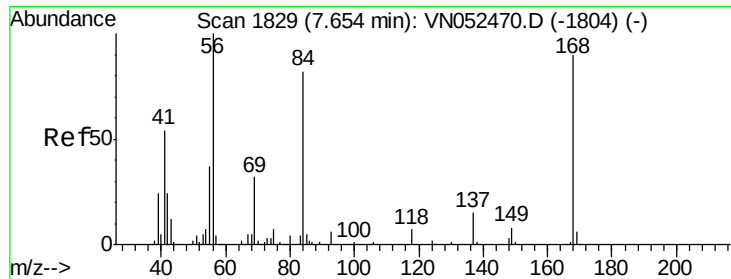
MMDadoda
12/3/2018 10:49:47 AM



#30
Chloroform
Concen: 44.975 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.4





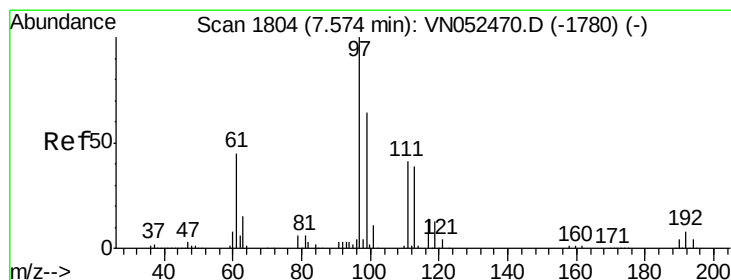
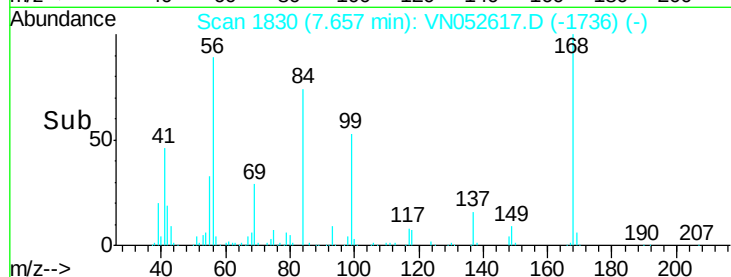
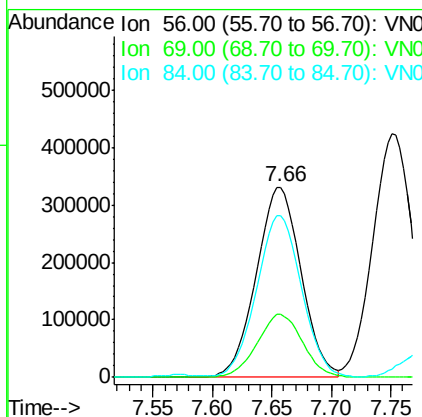
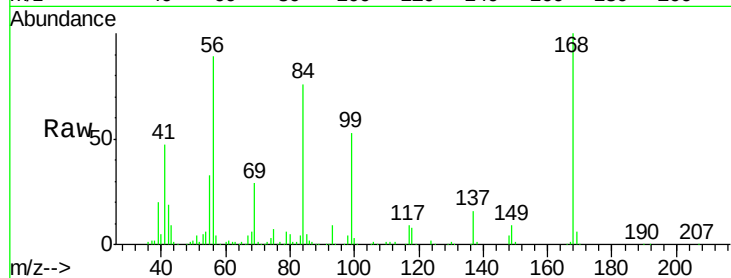
#31
Cyclohexane
Concen: 42.995 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.8	38.6
84	83.9	65.3	97.9

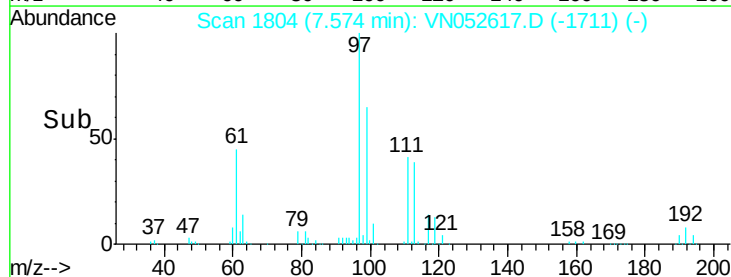
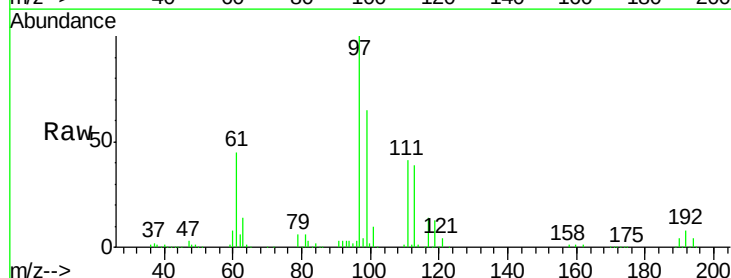
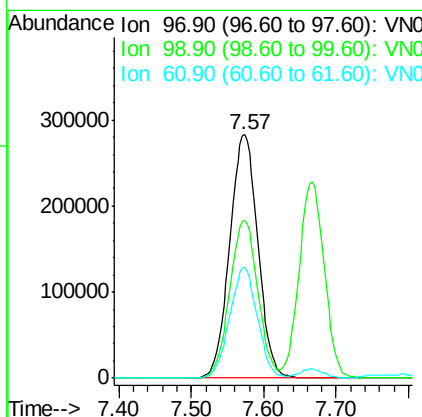
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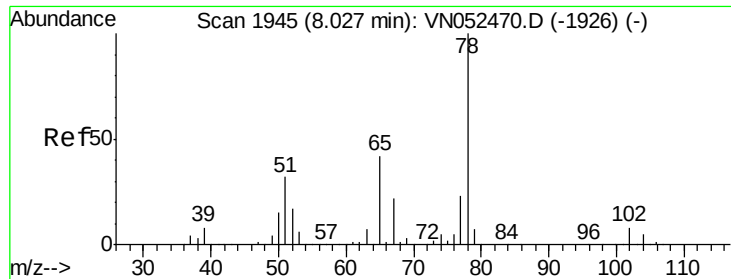
MMDadoda
12/3/2018 10:49:47 AM



#32
1,1,1-Trichloroethane
Concen: 46.670 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.7	77.5
61	44.6	36.8	55.2





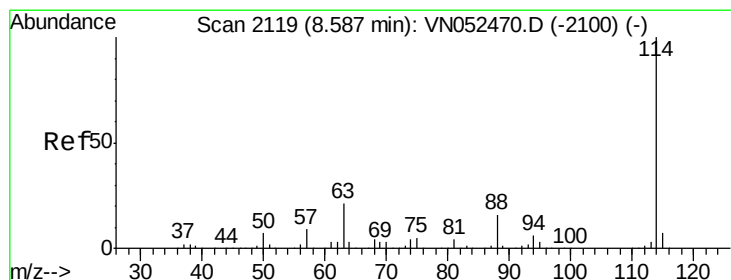
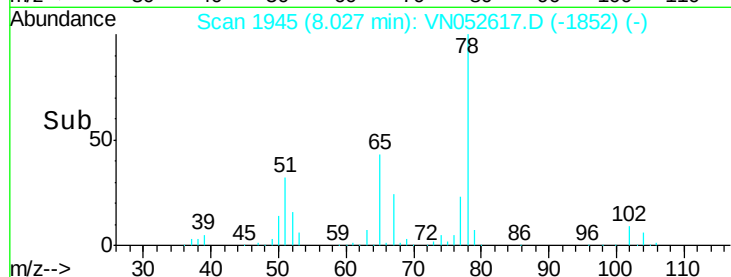
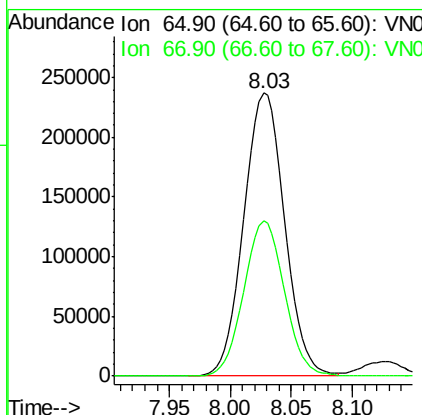
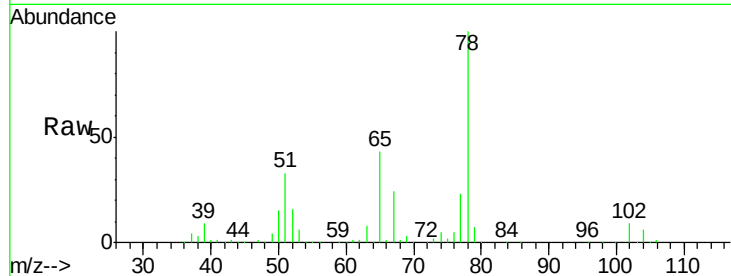
#33
 1,2-Dichloroethane-d4
 Concen: 46.670 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 550770
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8

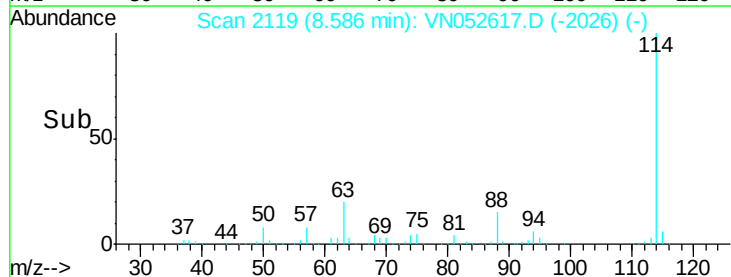
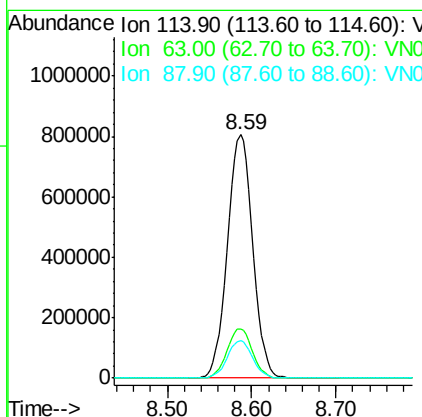
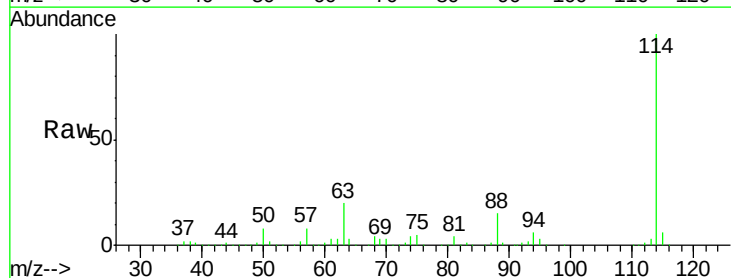
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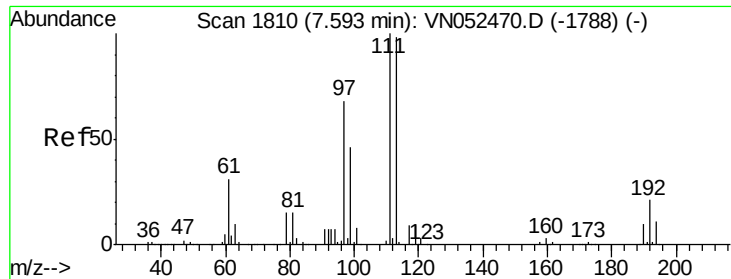
MMDadoda
 12/3/2018 10:49:47 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 114 Resp: 1678260
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.3 0.0 31.6





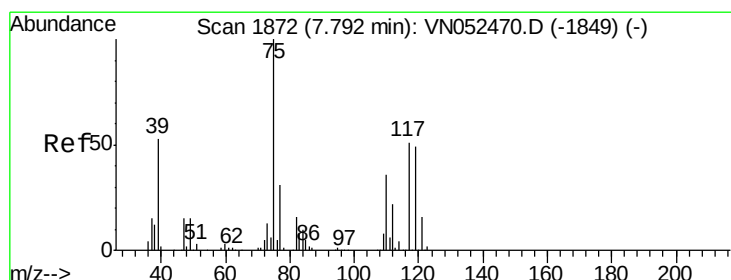
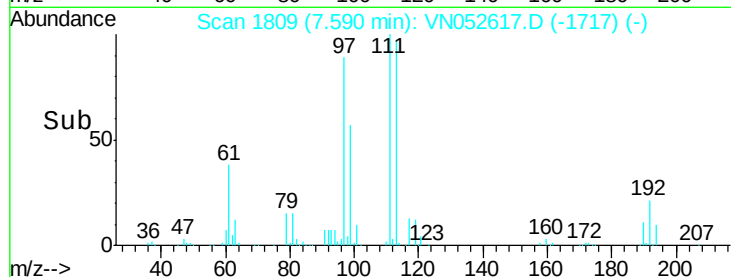
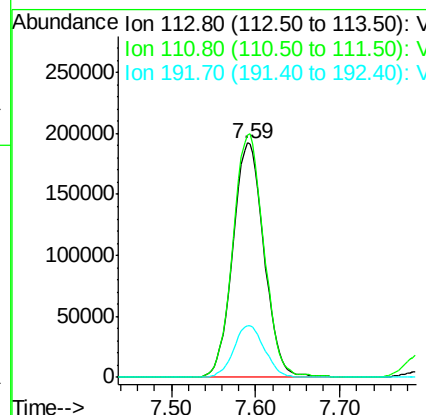
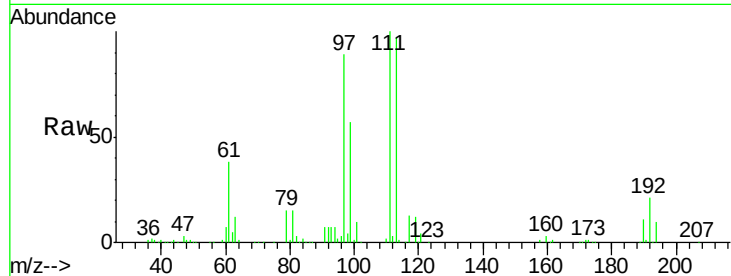
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	495604		
111	103.0	82.0	123.0	
192	21.7	17.0	25.6	

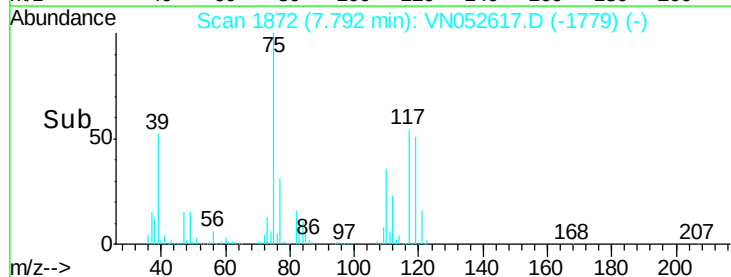
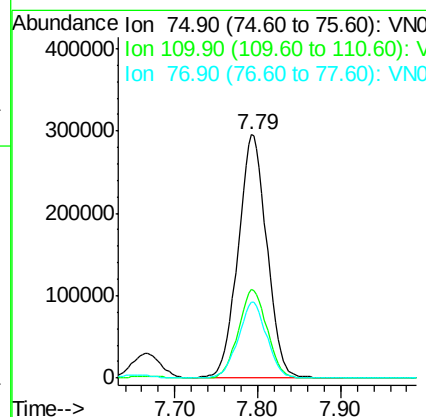
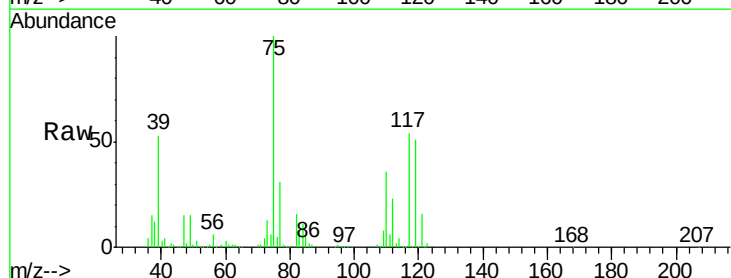
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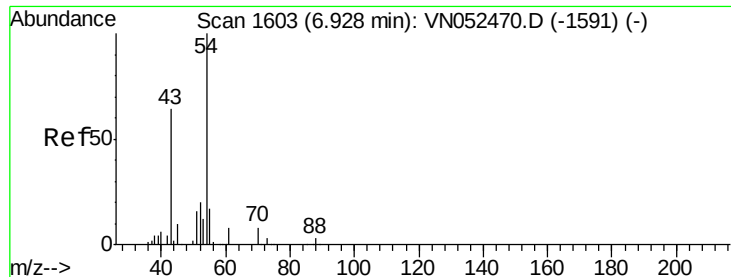
MMDadoda
 12/3/2018 10:49:47 AM



#36
 1,1-Dichloropropene
 Concen: 44.774 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	709591		
110	36.3	17.5	52.6	
77	31.1	24.5	36.7	





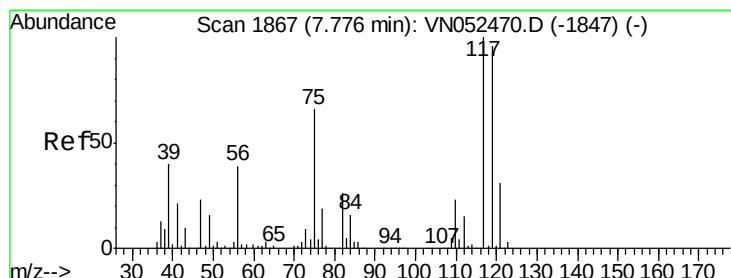
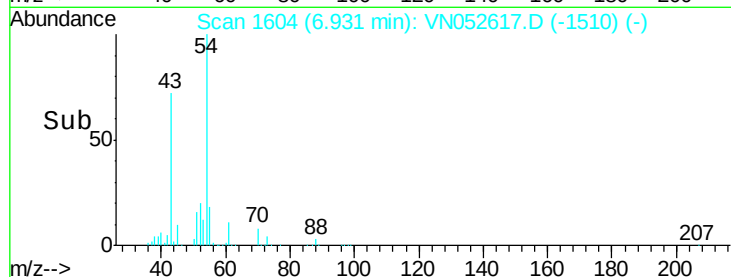
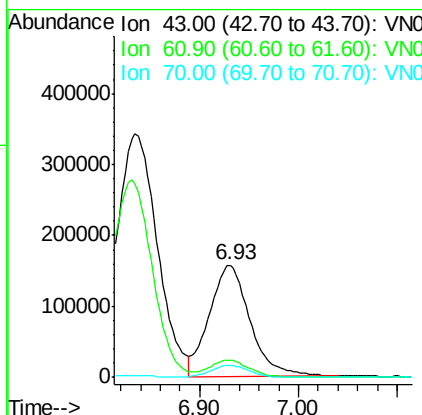
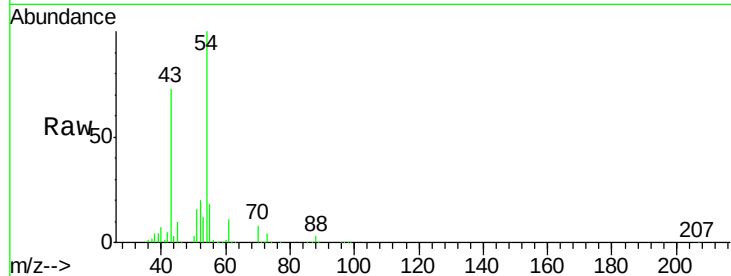
#37
Ethyl Acetate
Concen: 46.409 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	10.6	7.8	11.8

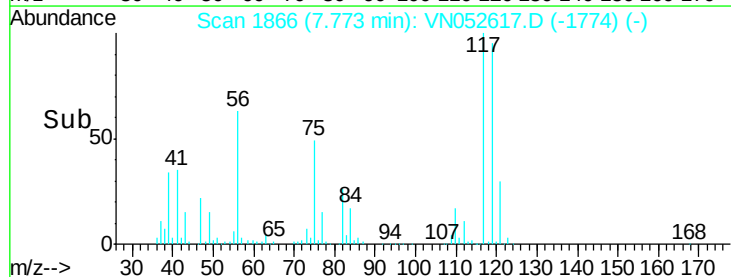
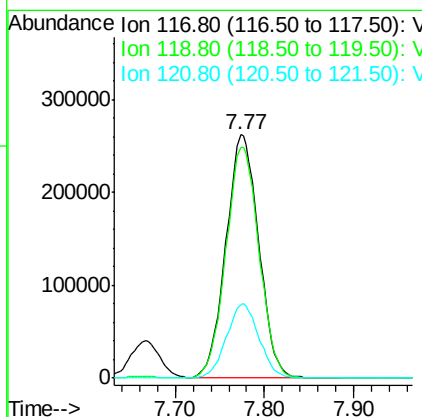
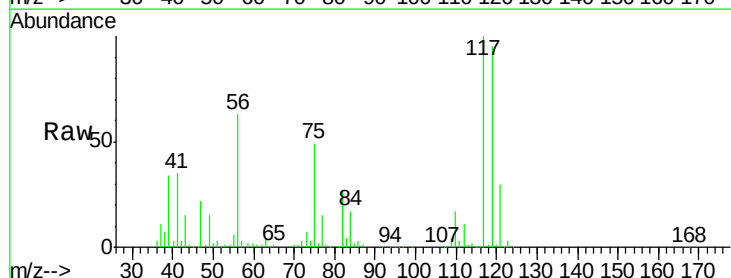
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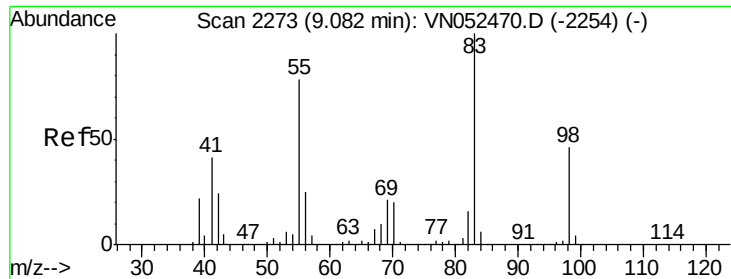
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.448 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.8	115.2
121	30.1	24.9	37.3





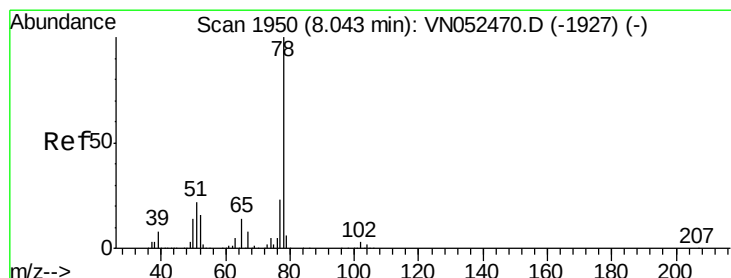
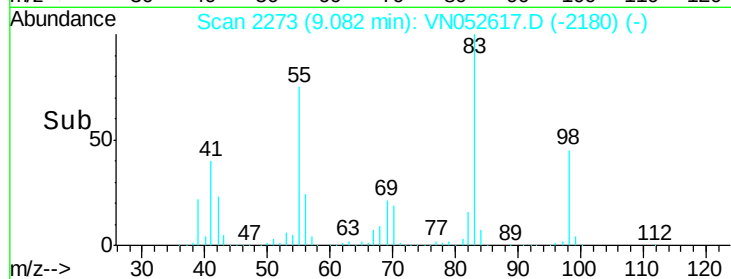
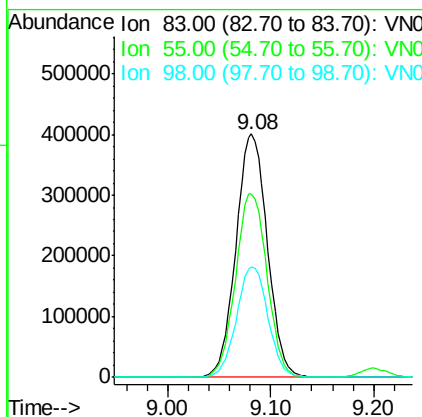
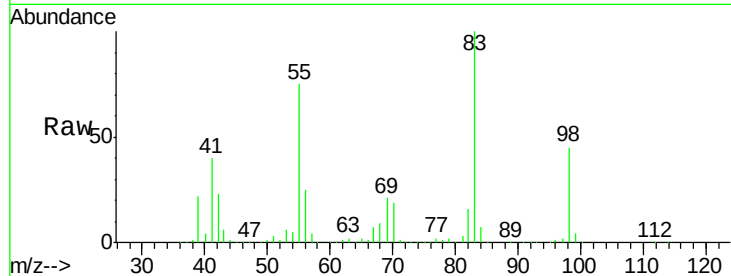
#39
Methylcyclohexane
Concen: 44.041 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	848351		
55	75.5	62.2	93.2	
98	45.5	36.4	54.6	

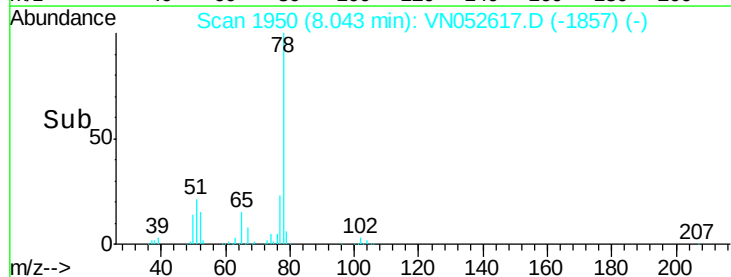
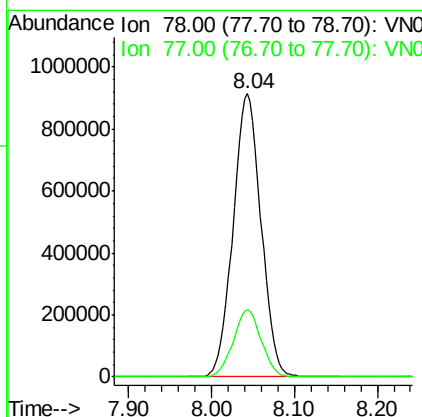
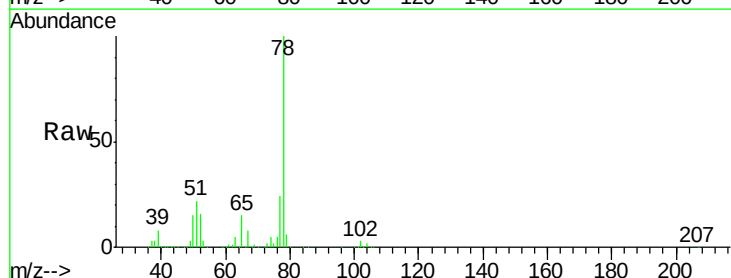
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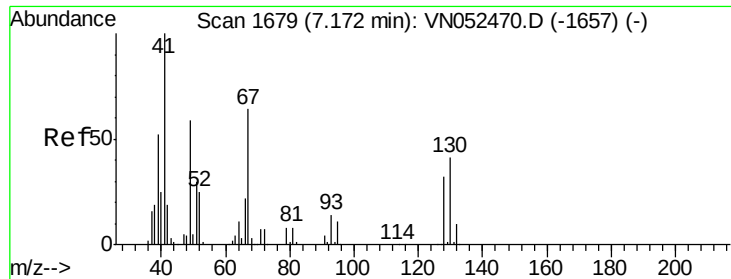
MMDadoda
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#40
Benzene
Concen: 45.318 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	2140422		
77	23.6	18.8	28.2	





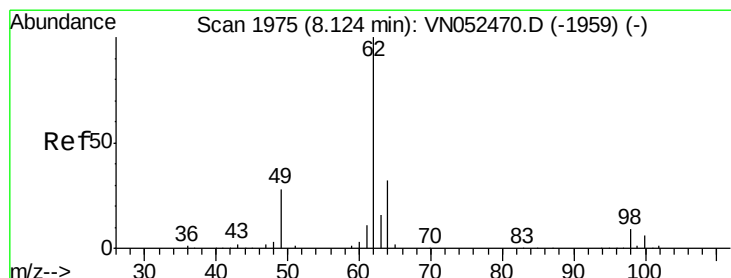
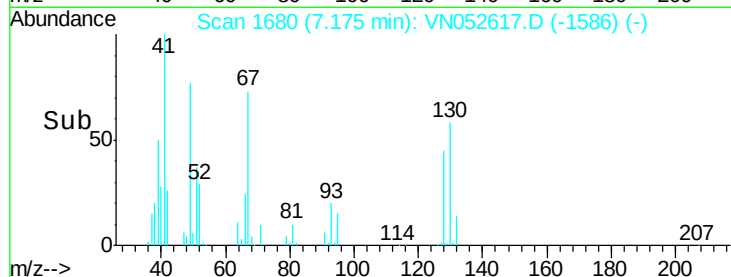
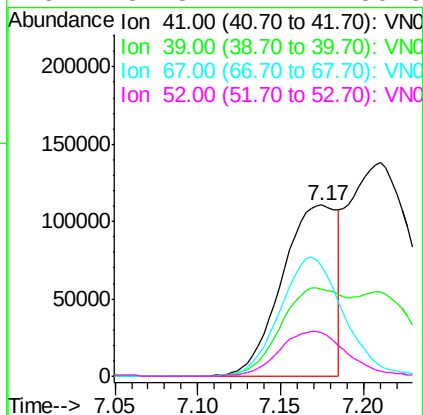
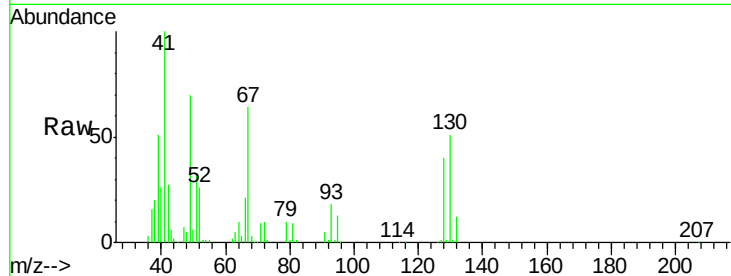
#41
Methacrylonitrile
Concen: 48.461 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.1	50.9	76.3
67	81.2	63.6	95.4
52	31.8	24.4	36.6

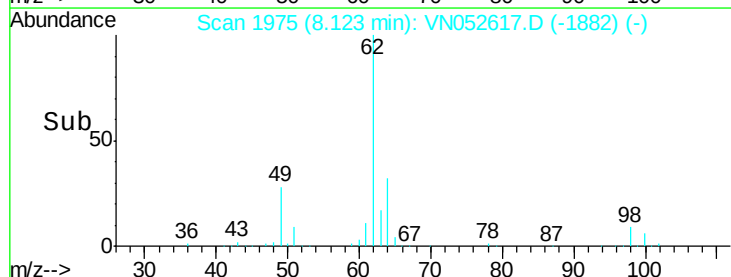
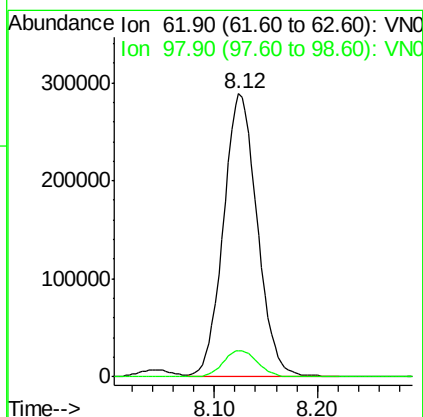
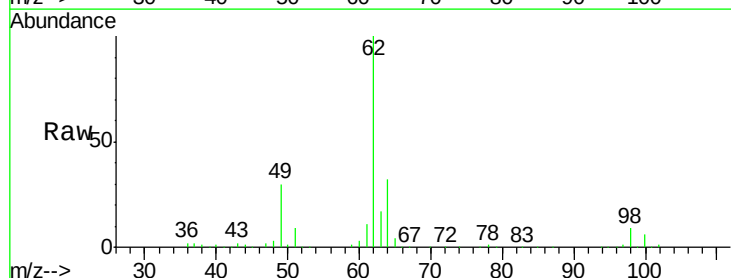
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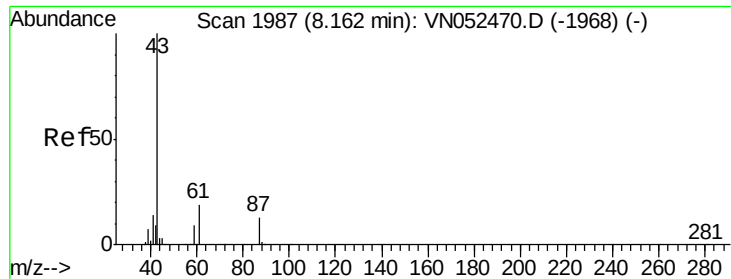
MMDadoda
12/3/2018 10:49:47 AM



#42
1,2-Dichloroethane
Concen: 45.962 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.289 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

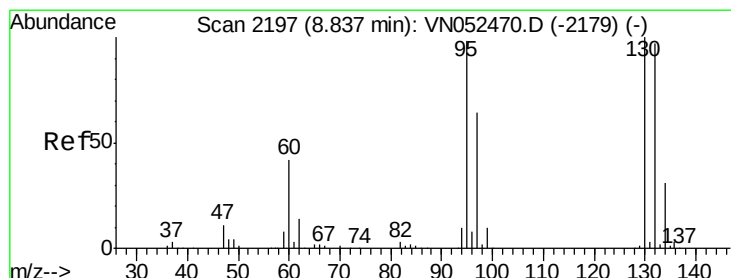
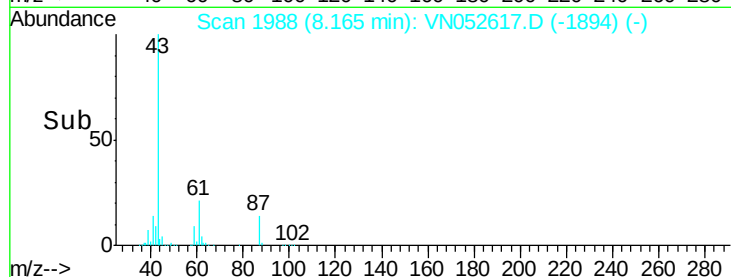
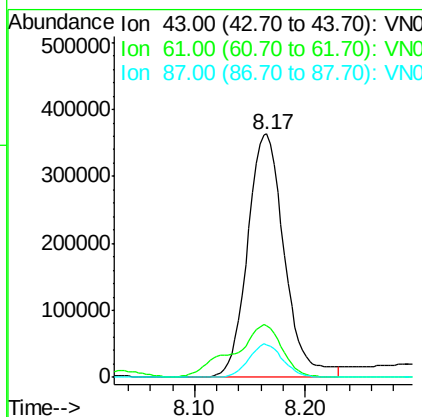
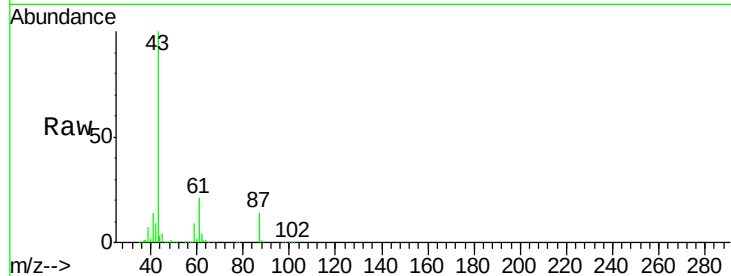
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	839495
Ion	Ratio	Lower	Upper
43	100		
61	28.1	24.1	36.1
87	12.9	10.6	15.8

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#44

Trichloroethene

Concen: 45.978 ug/l

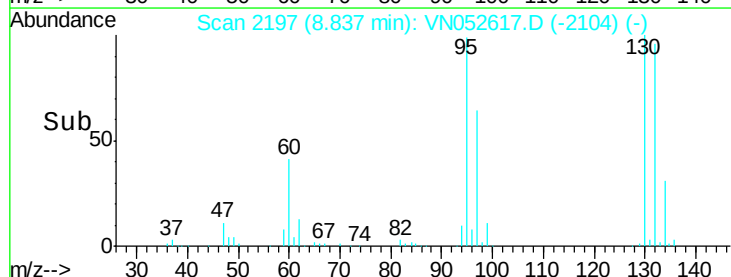
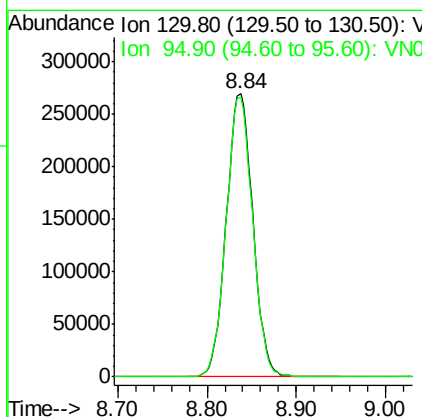
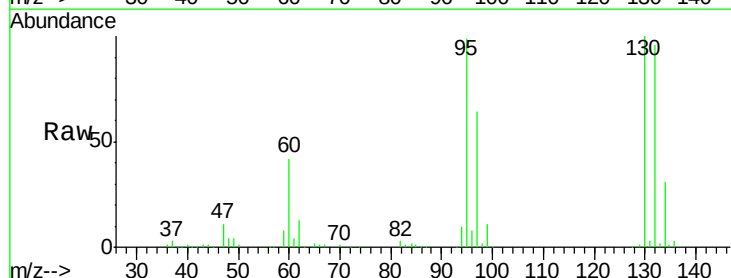
RT: 8.84 min Scan# 2197

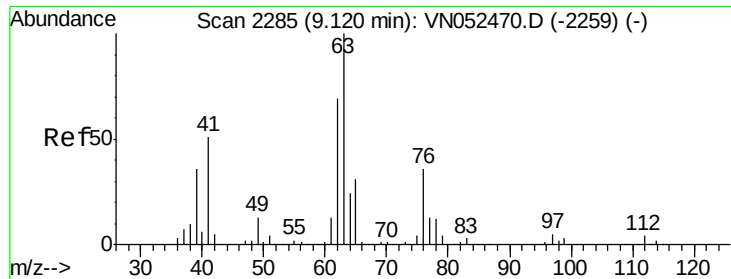
Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Tgt Ion:	130	Resp:	556242
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	195.6





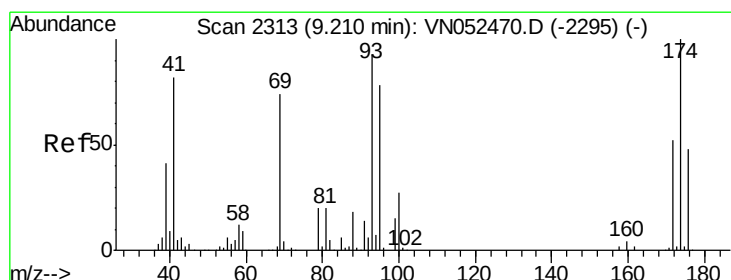
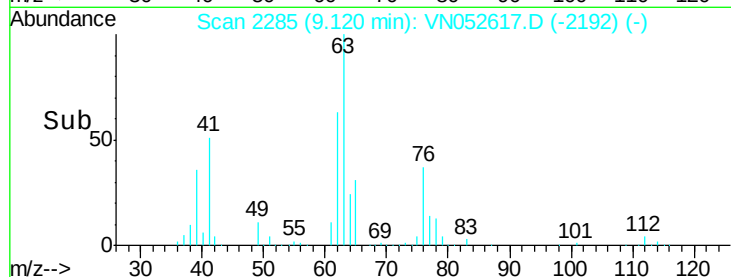
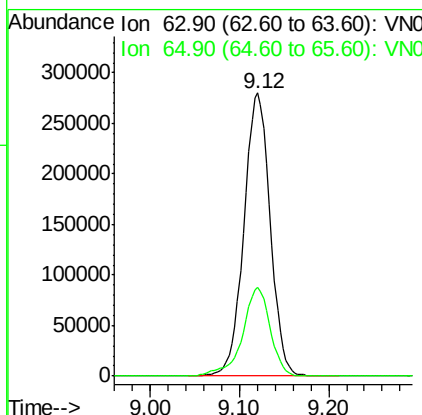
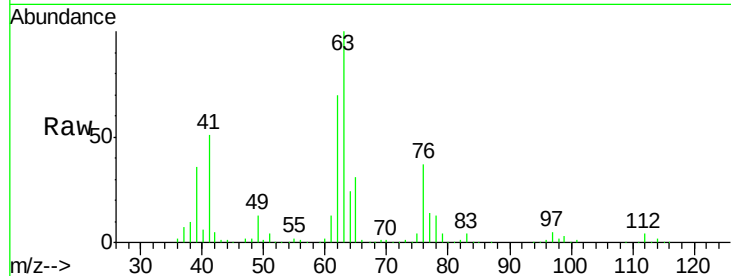
#45
 1,2-Dichloropropane
 Concen: 45.697 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 573810
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

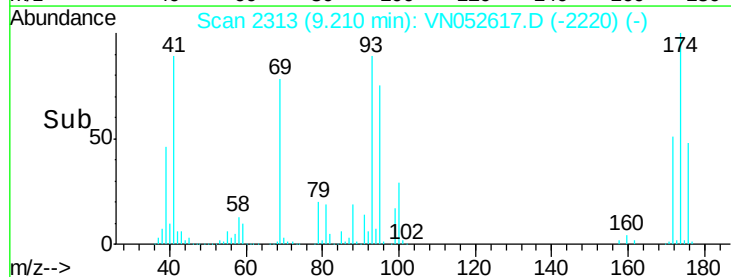
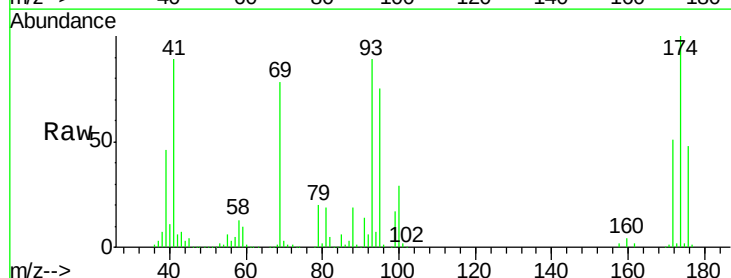
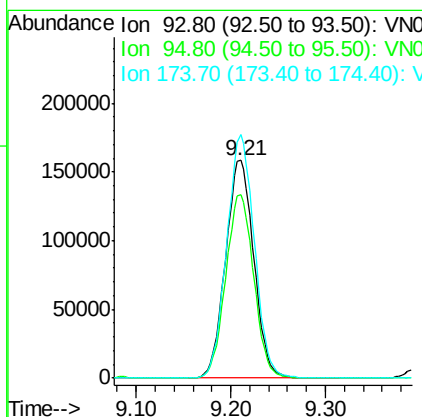
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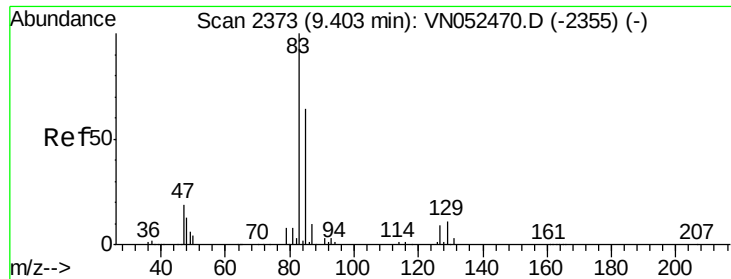
MMDadoda
 12/3/2018 10:49:47 AM



#46
 Dibromomethane
 Concen: 47.315 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 93 Resp: 328901
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.1 100.7
 174 109.5 85.8 128.8





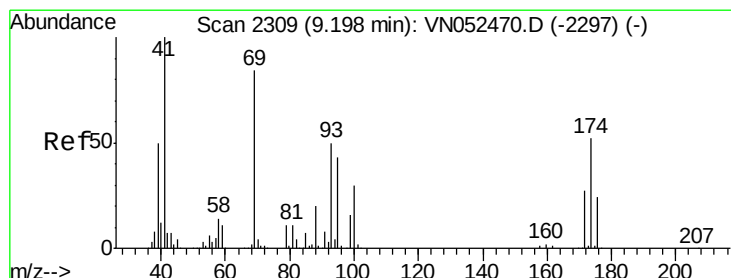
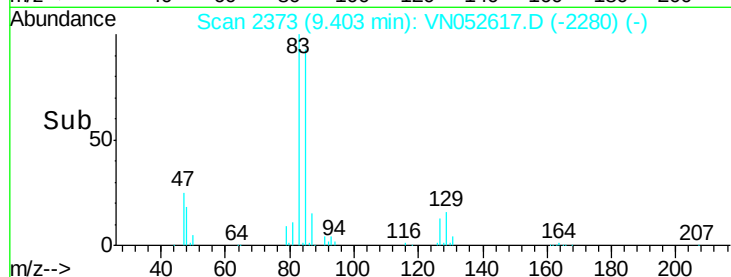
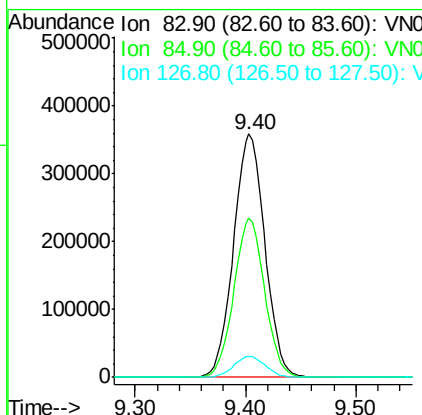
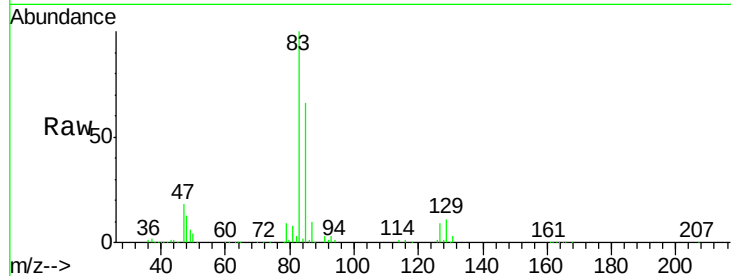
#47
Bromodichloromethane
Concen: 46.661 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9
127	8.8	6.9	10.3

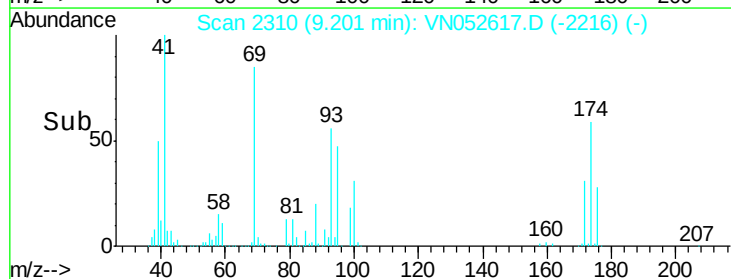
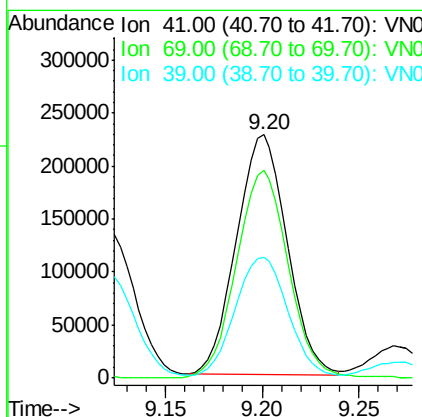
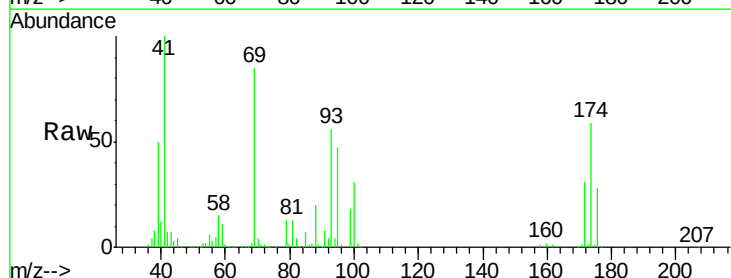
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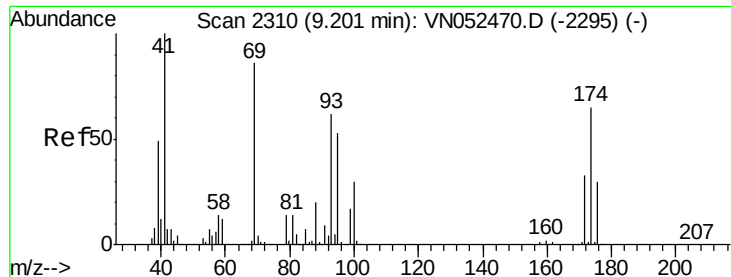
MMDadoda
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#48
Methyl methacrylate
Concen: 48.619 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.7	70.0	105.0
39	52.7	42.6	64.0





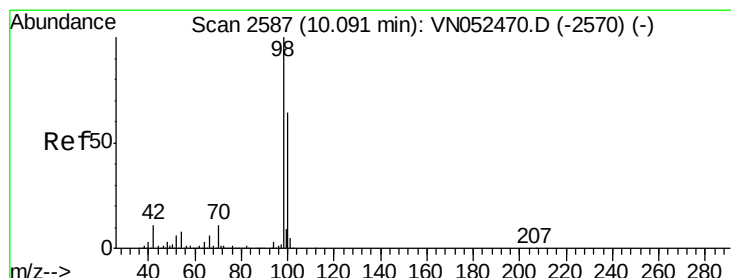
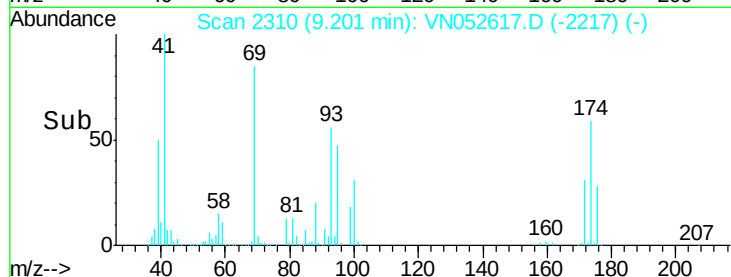
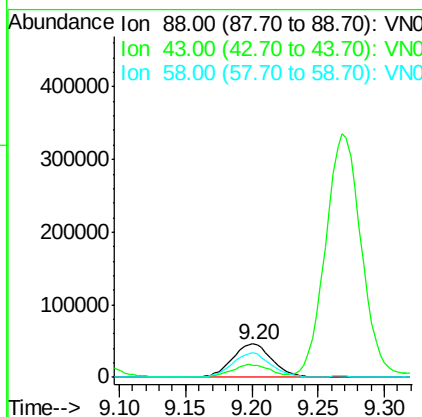
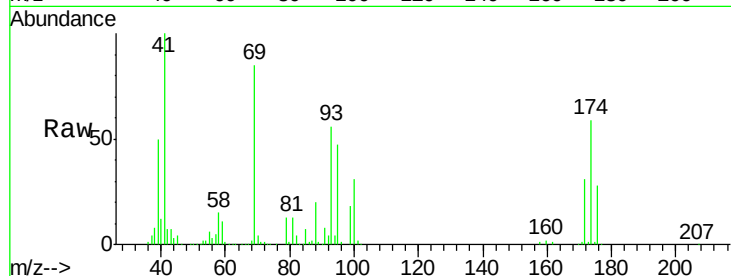
#49
1,4-Dioxane
Concen: 1081.303 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.4	39.6
58	71.4	55.4	83.0

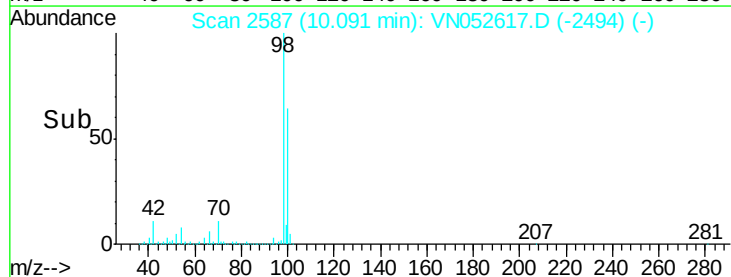
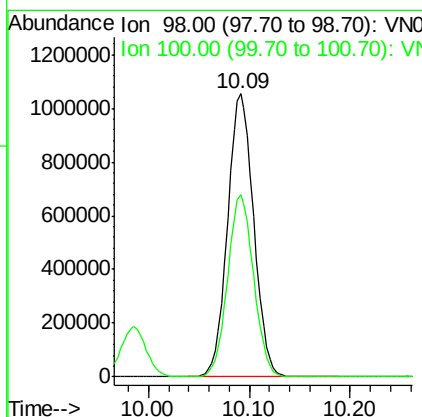
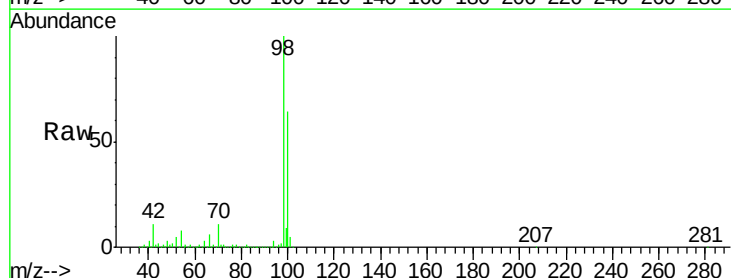
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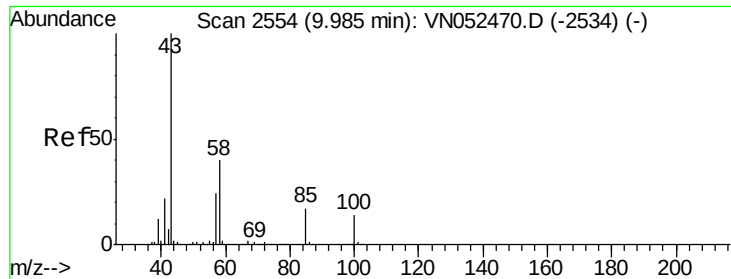
MMDadoda
12/3/2018 10:49:47 AM



#50
Toluene-d8
Concen: 1081.303 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 248.616 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 2283206

Ion Ratio Lower Upper

43 100

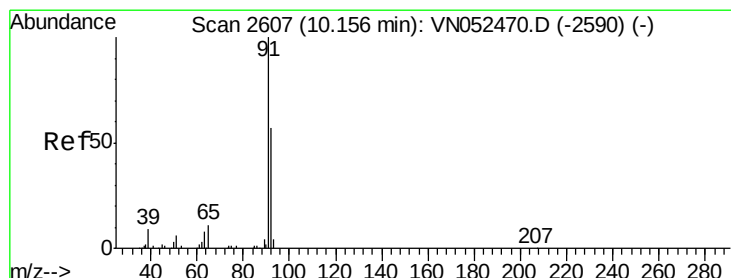
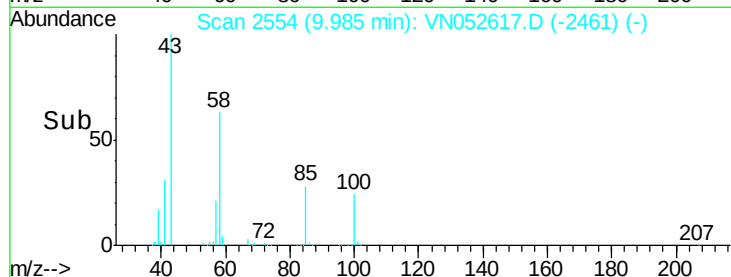
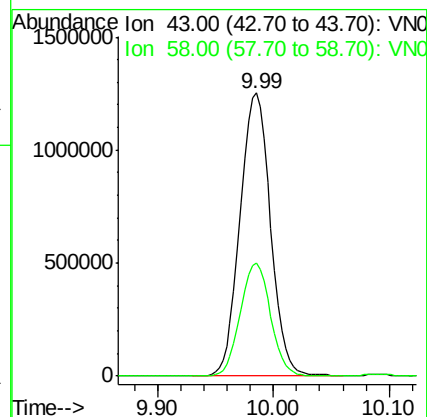
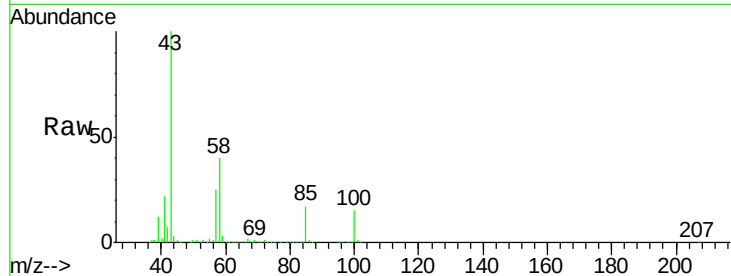
58 39.7 31.5 47.3

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#52

Toluene

Concen: 46.845 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052617.D

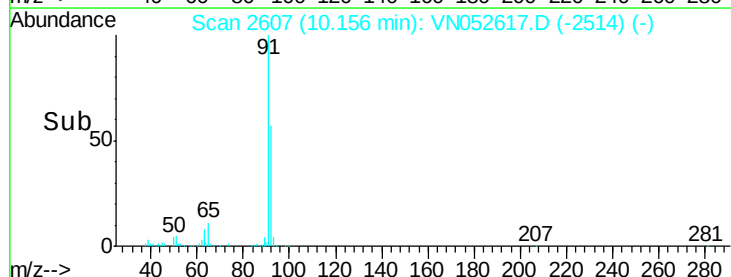
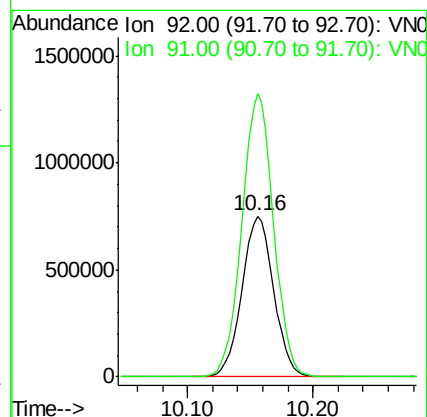
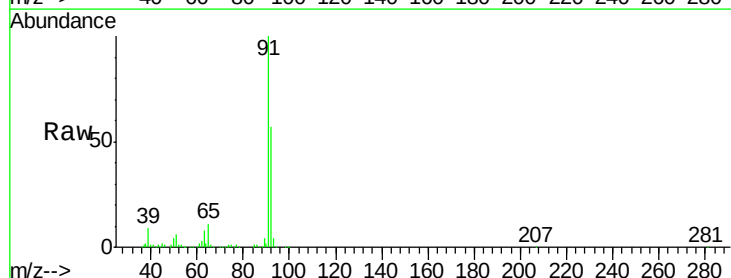
Acq: 30 Nov 2018 19:48

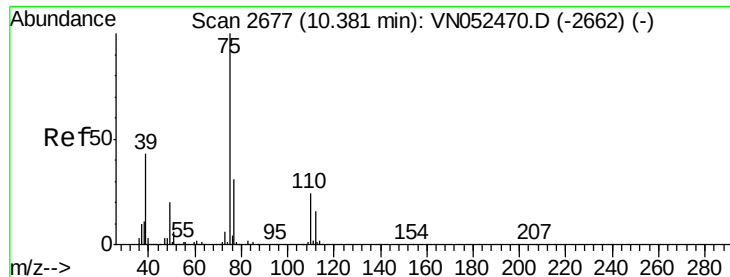
Tgt Ion: 92 Resp: 1314565

Ion Ratio Lower Upper

92 100

91 176.2 141.0 211.4





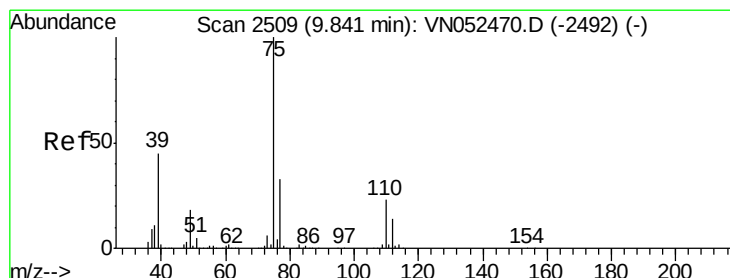
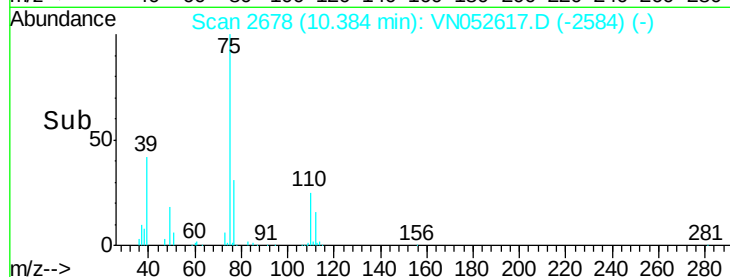
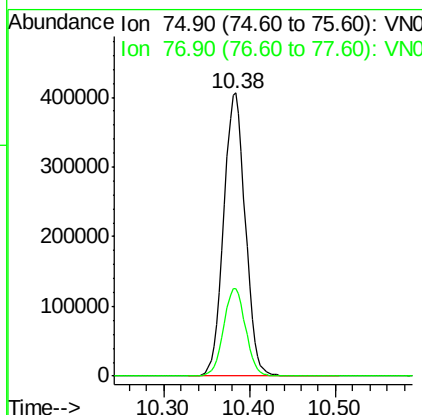
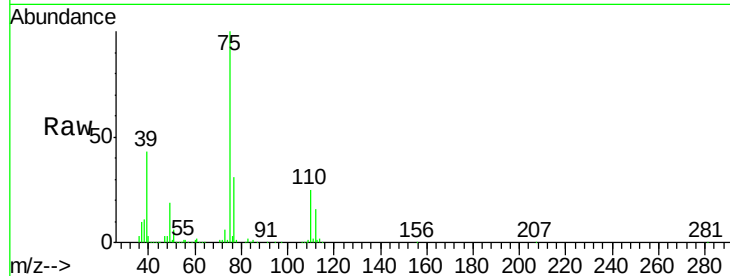
#53
t-1,3-Dichloropropene
Concen: 48.847 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 710216
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4

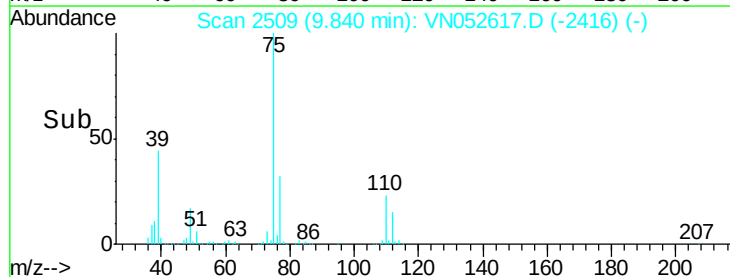
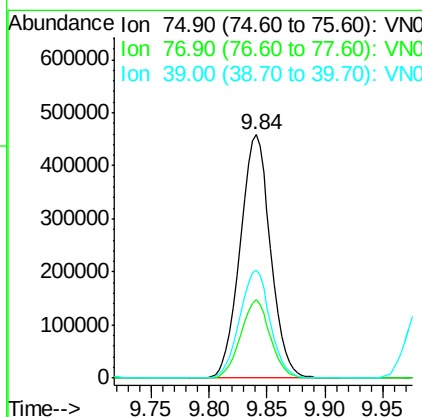
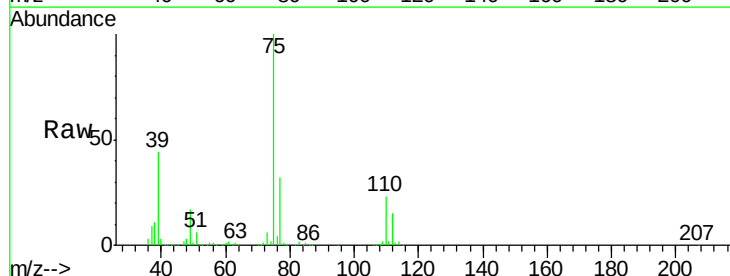
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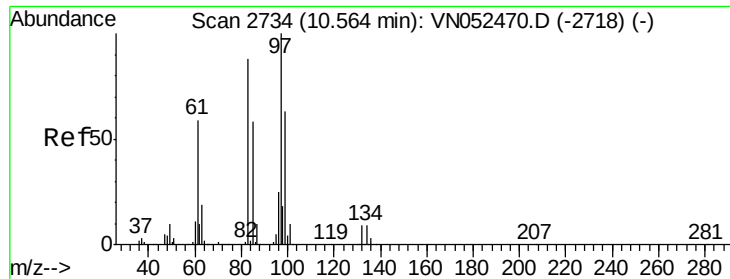
MMDadoda
12/3/2018 10:49:47 AM



#54
cis-1,3-Dichloropropene
Concen: 47.869 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 75 Resp: 834045
Ion Ratio Lower Upper
75 100
77 32.0 26.2 39.2
39 44.2 36.0 54.0





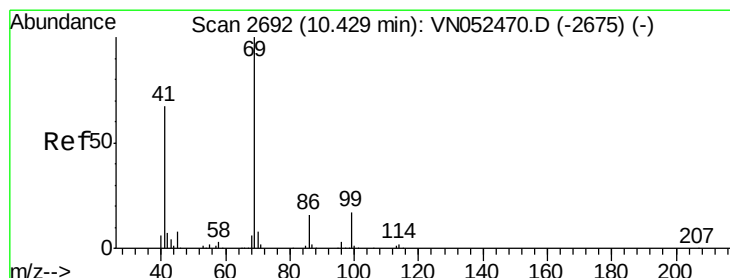
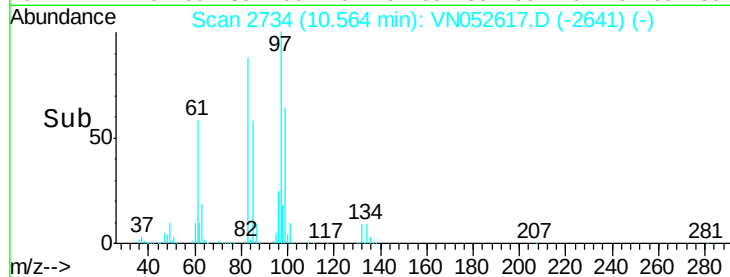
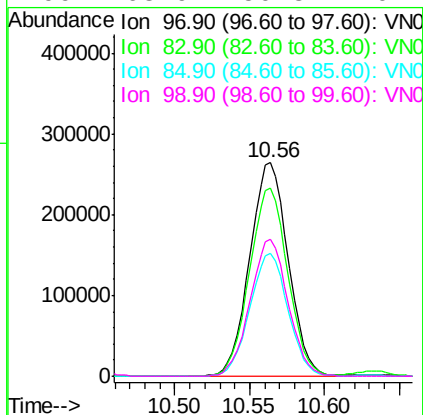
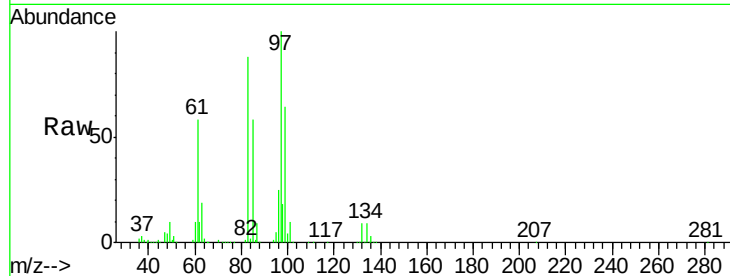
#55
 1,1,2-Trichloroethane
 Concen: 47.920 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	473009
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.7	106.1
85	57.6	46.1	69.1
99	63.9	50.8	76.2

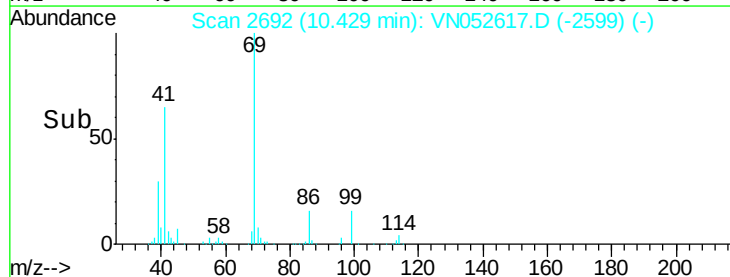
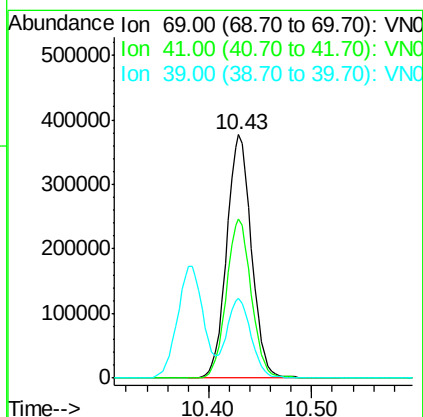
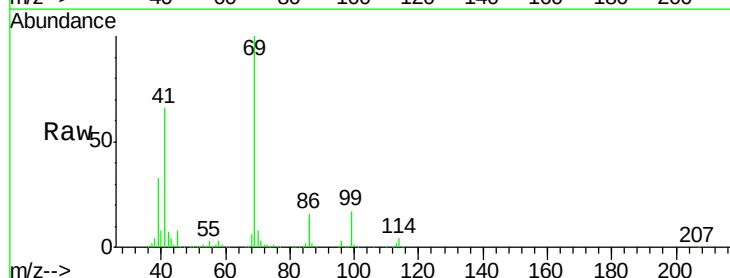
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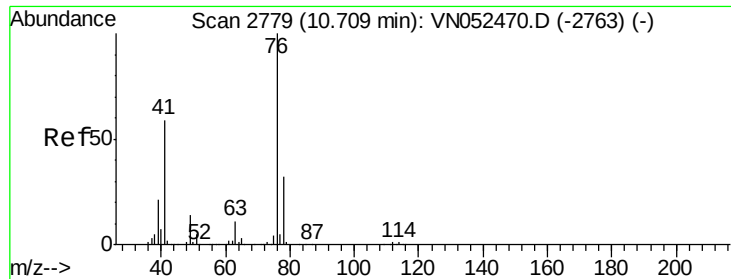
MMDadoda
 12/3/2018 10:49:47 AM



#56
 Ethyl methacrylate
 Concen: 46.348 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion:	69	Resp:	632430
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	32.1	25.9	38.9





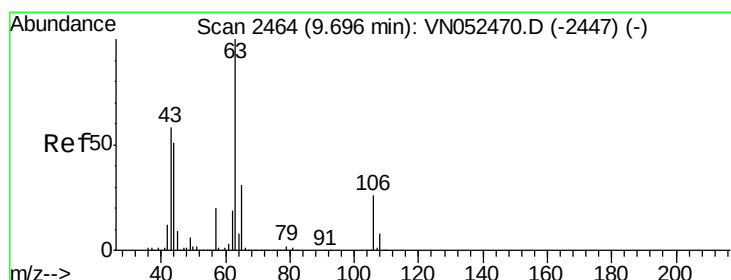
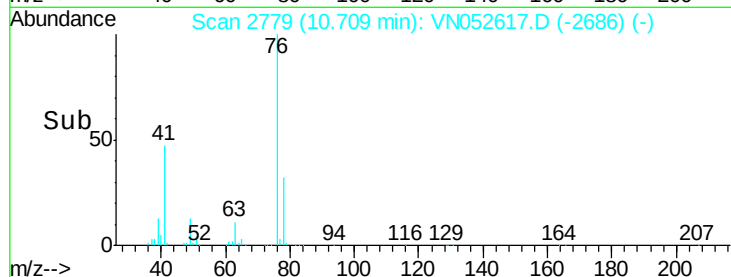
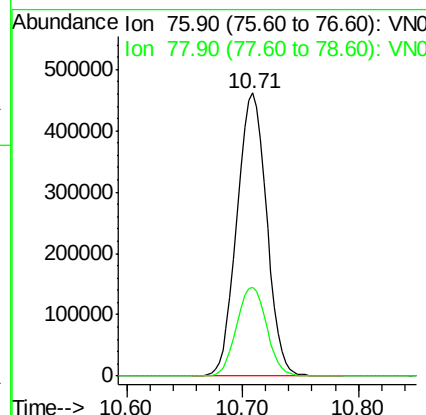
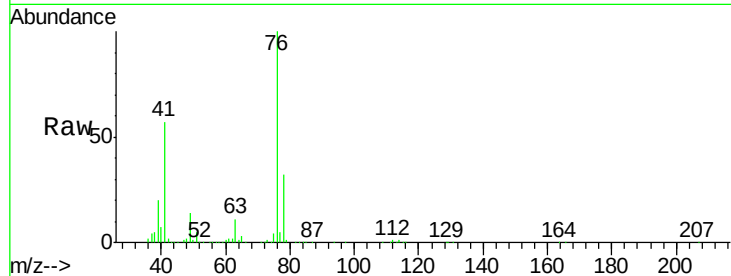
#57
 1,3-Dichloropropane
 Concen: 46.907 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 817548
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4

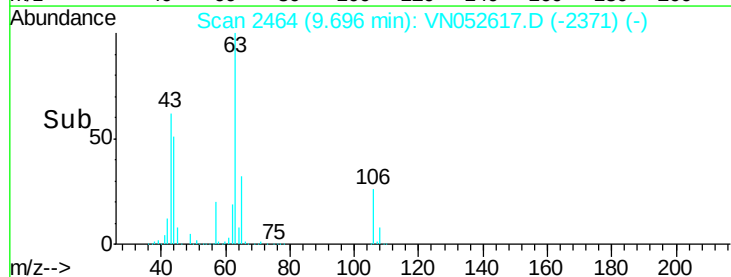
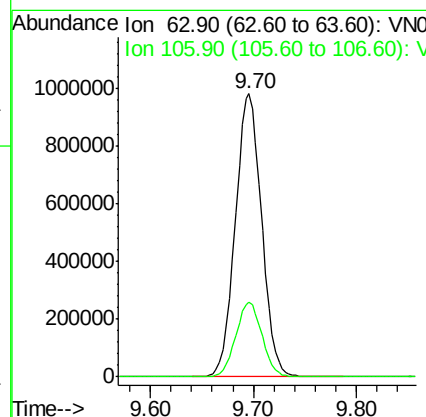
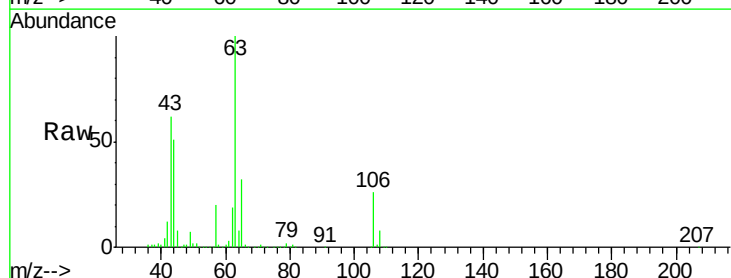
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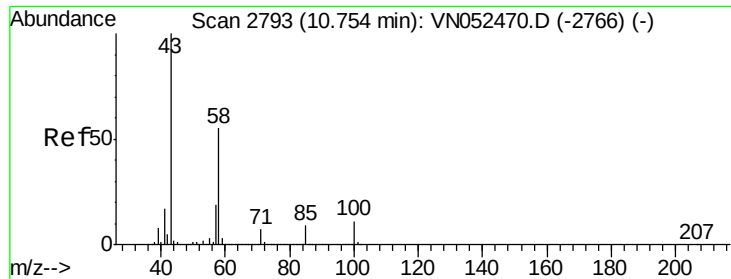
MMDadoda
 12/3/2018 10:49:47 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.194 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 63 Resp: 1749054
 Ion Ratio Lower Upper
 63 100
 106 26.4 20.6 30.8





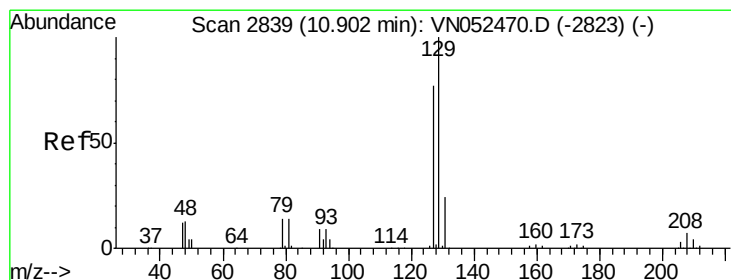
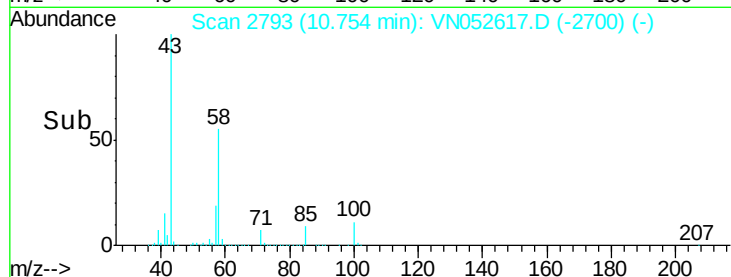
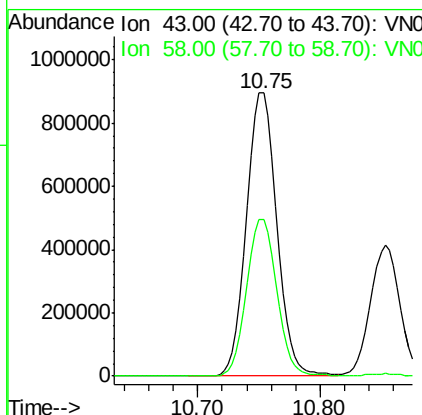
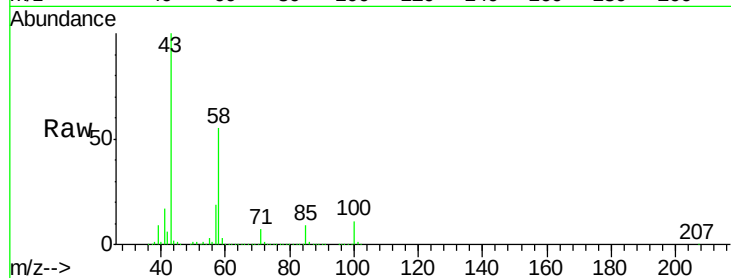
#59
2-Hexanone
Concen: 248.206 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1529851
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0

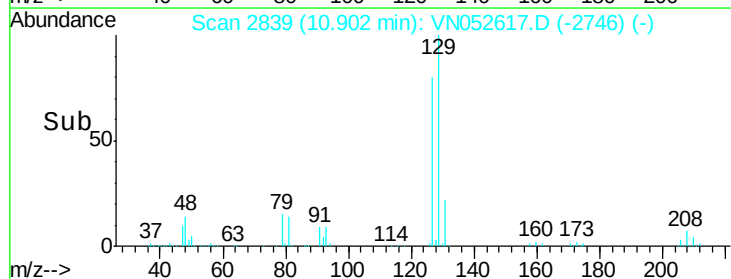
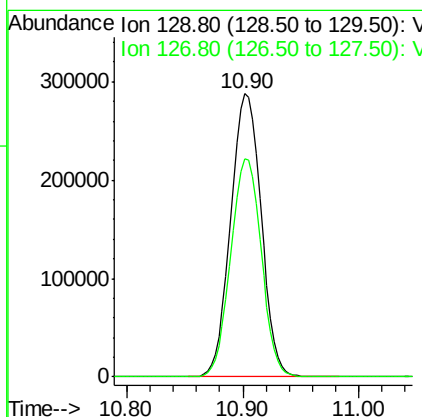
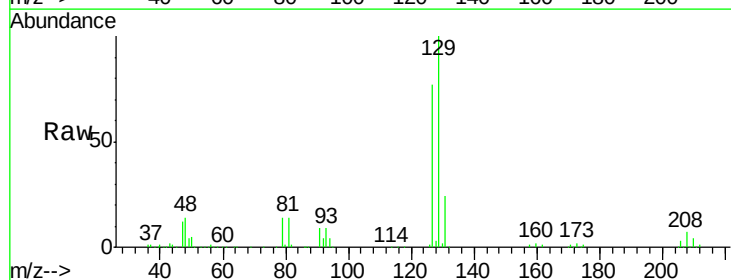
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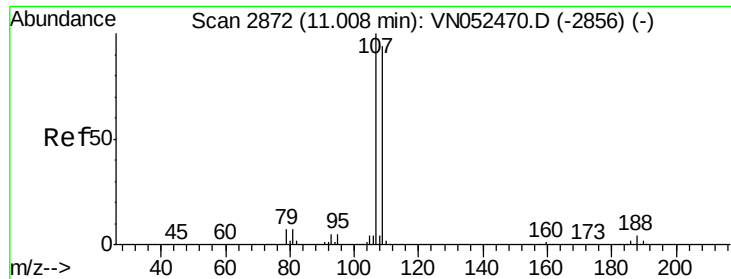
MMDadoda
12/3/2018 10:49:47 AM



#60
Dibromochloromethane
Concen: 48.886 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 129 Resp: 524101
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6





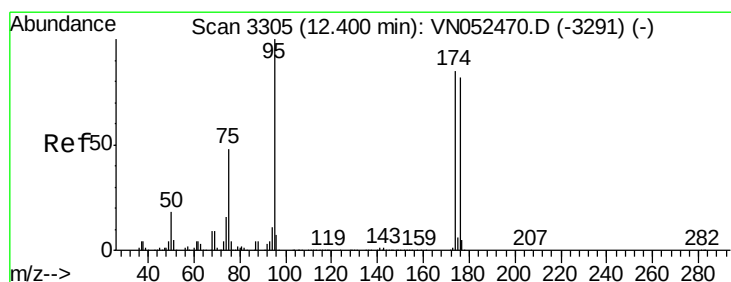
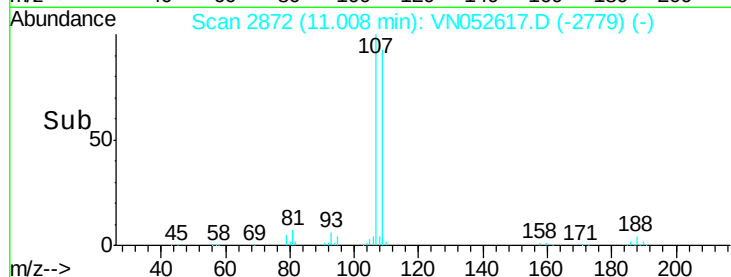
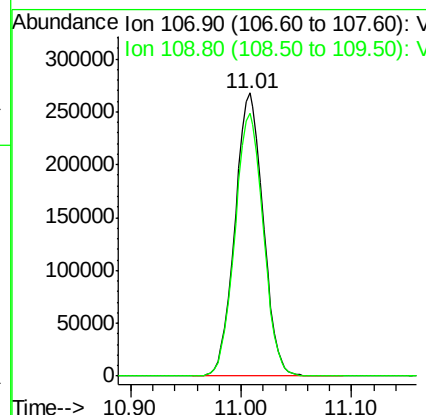
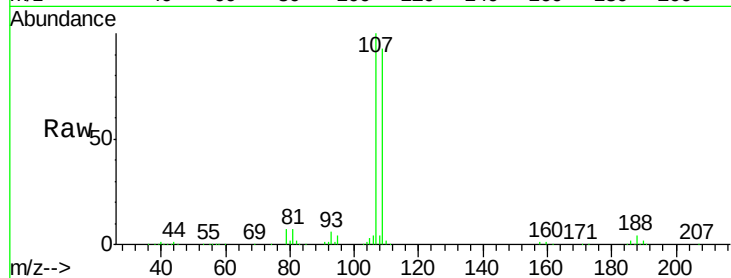
#61
 1,2-Dibromoethane
 Concen: 48.328 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 473799
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4

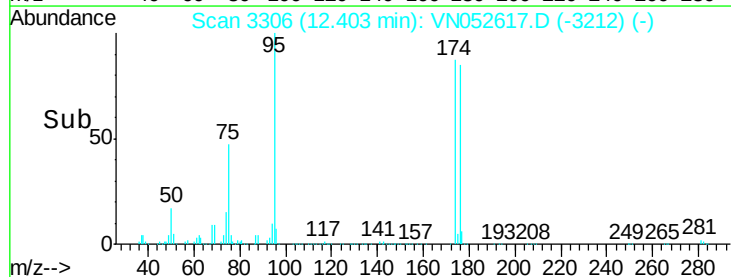
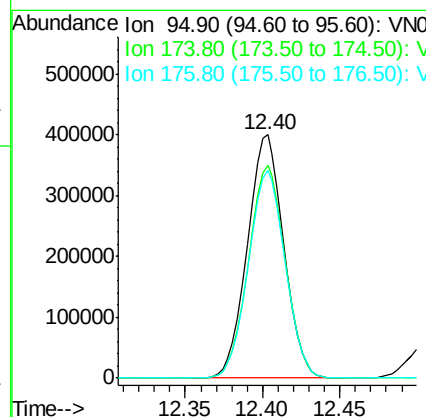
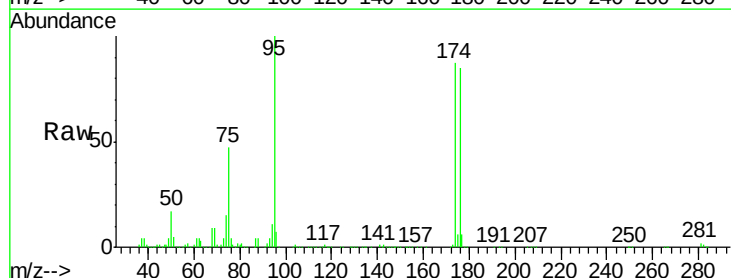
Manual Integrations
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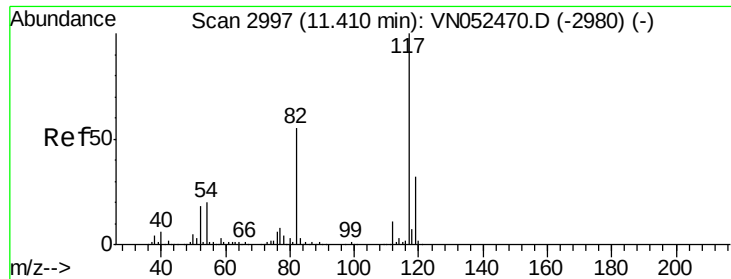
MMDadoda
 12/3/2018 10:49:47 AM



#62
 4-Bromofluorobenzene
 Concen: 48.328 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 95 Resp: 654449
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 173.0
 176 86.5 0.0 166.2





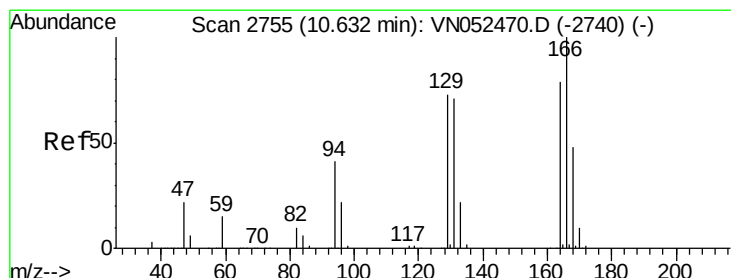
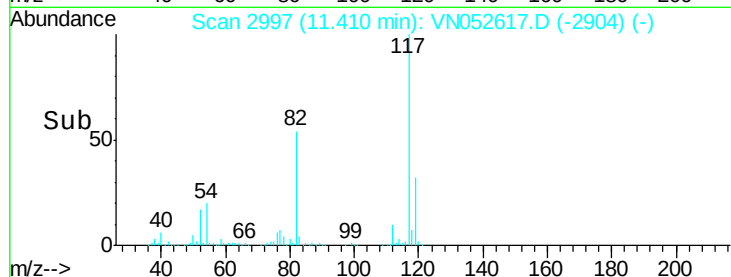
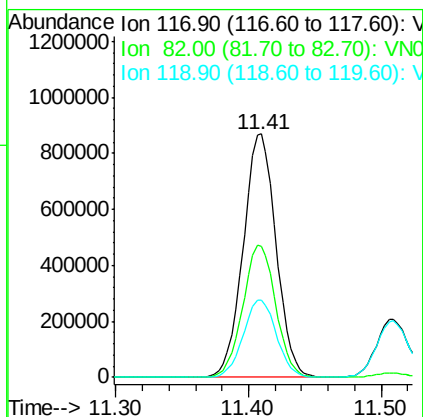
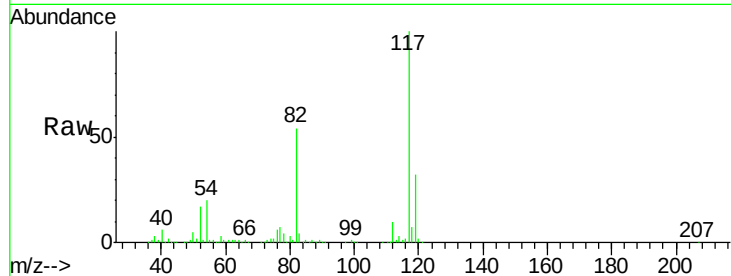
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1491492
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.0 25.4 38.2

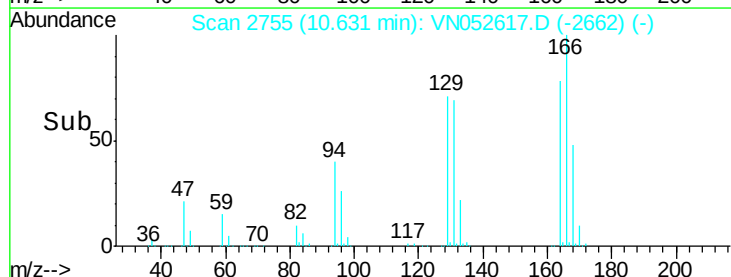
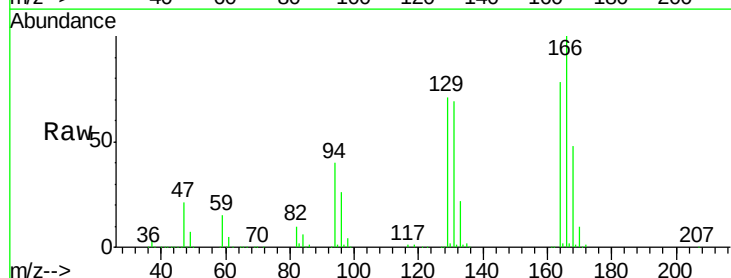
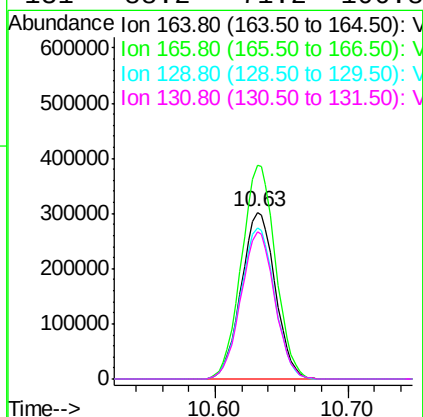
Manual Integrations
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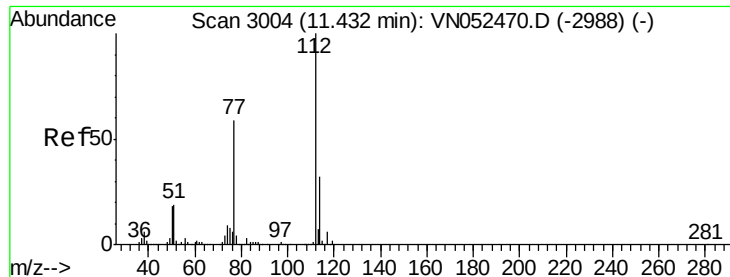
MMDadoda
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#64
Tetrachloroethene
Concen: 46.437 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:164 Resp: 536991
Ion Ratio Lower Upper
164 100
166 128.2 101.0 151.4
129 91.0 73.8 110.6
131 88.2 71.2 106.8





#65

Chlorobenzene

Concen: 46.738 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 1437405

Ion Ratio Lower Upper

112 100

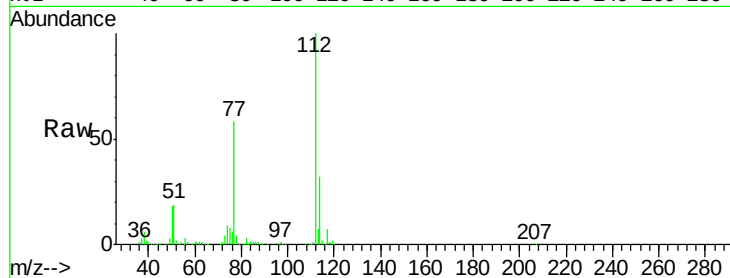
114 31.7 25.8 38.6

Manual Integrations

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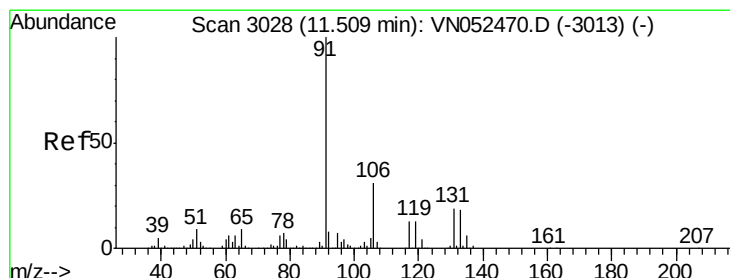
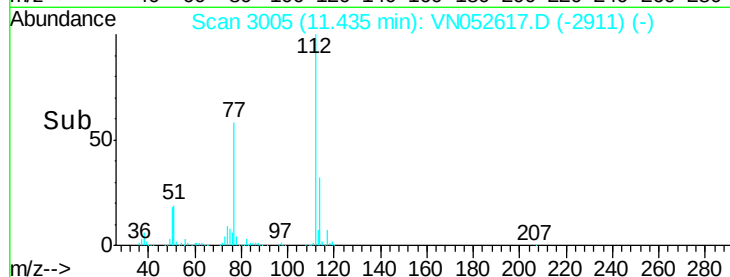
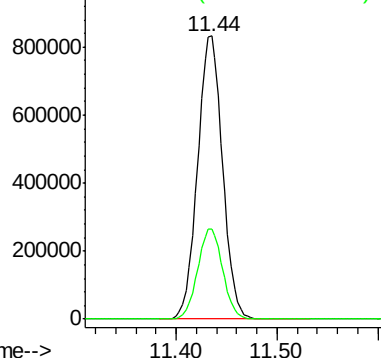
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.597 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

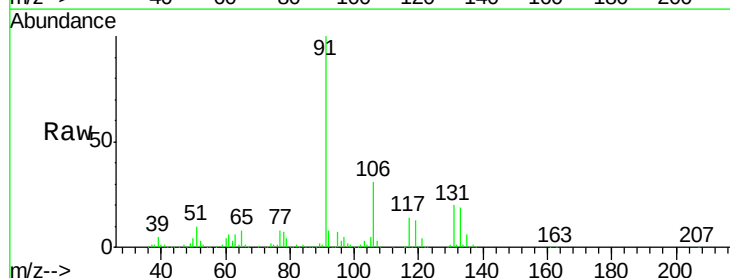
Tgt Ion:131 Resp: 508975

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.8

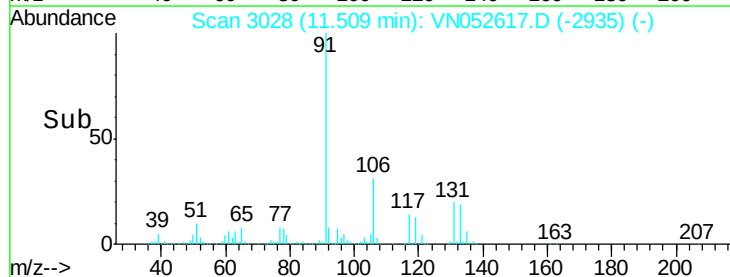
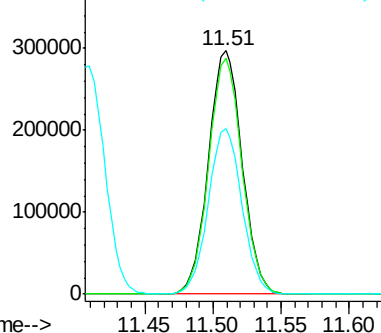
119 67.9 33.2 99.6

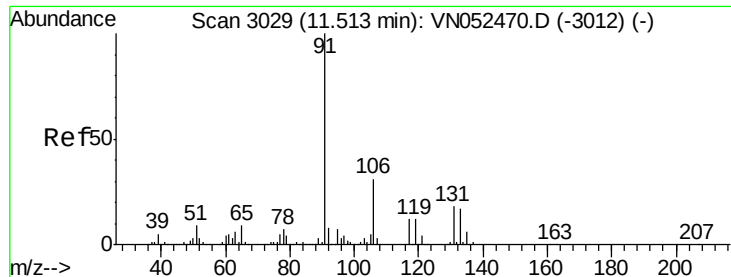


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 47.014 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 2532022

Ion Ratio Lower Upper

91 100

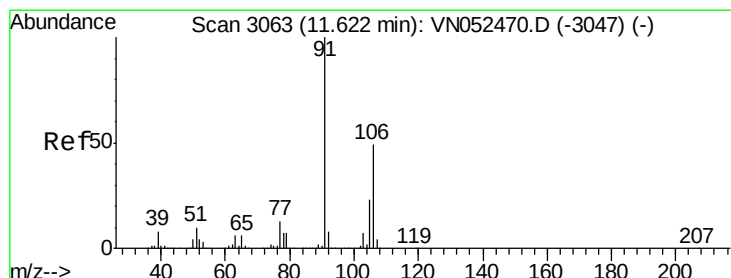
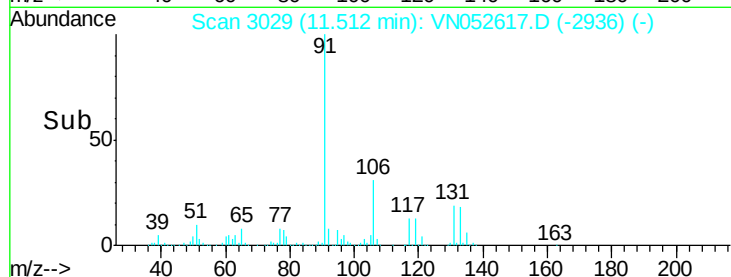
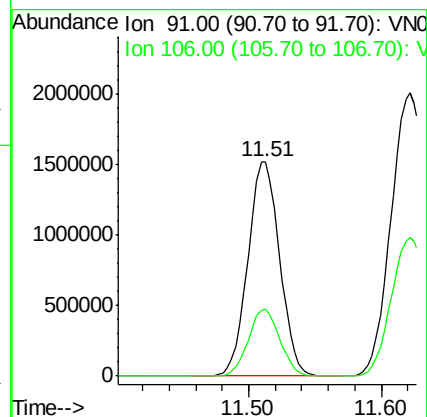
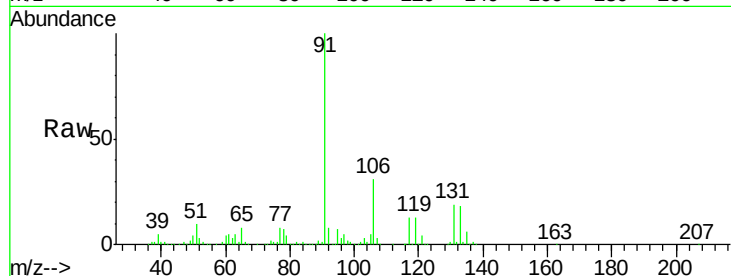
106 31.1 24.9 37.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 94.976 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052617.D

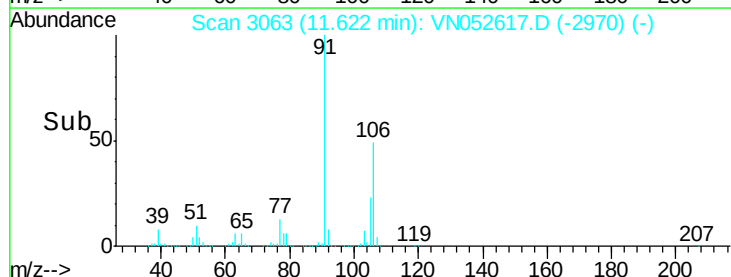
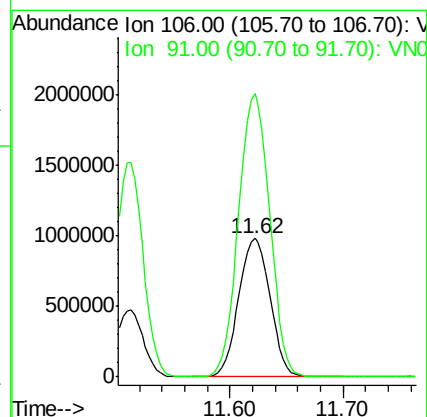
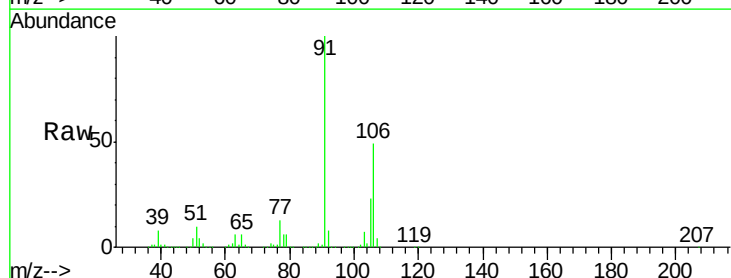
Acq: 30 Nov 2018 19:48

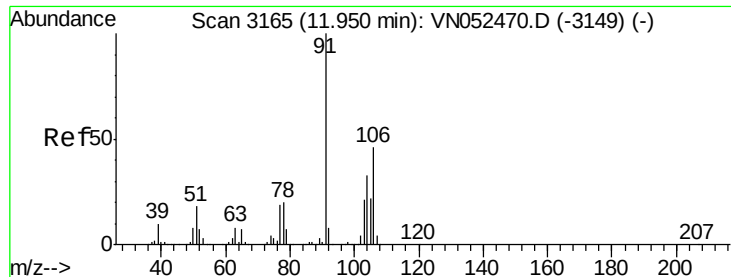
Tgt Ion: 106 Resp: 1904205

Ion Ratio Lower Upper

106 100

91 203.0 163.2 244.8





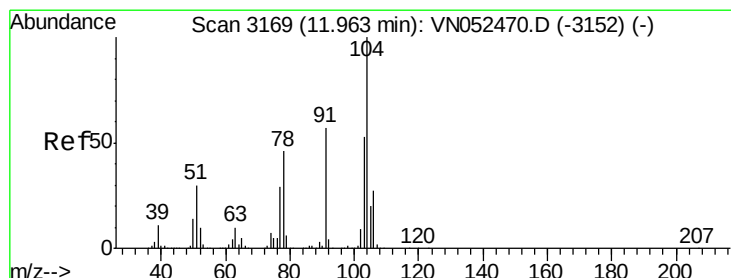
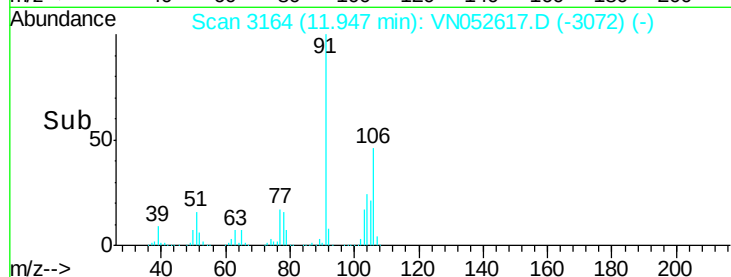
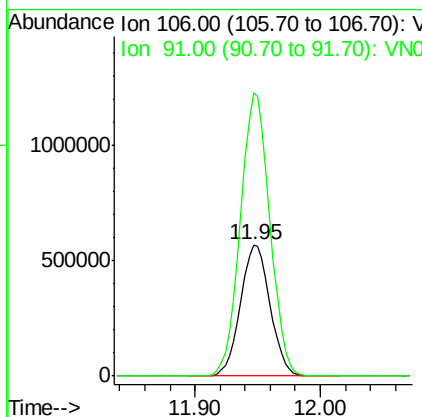
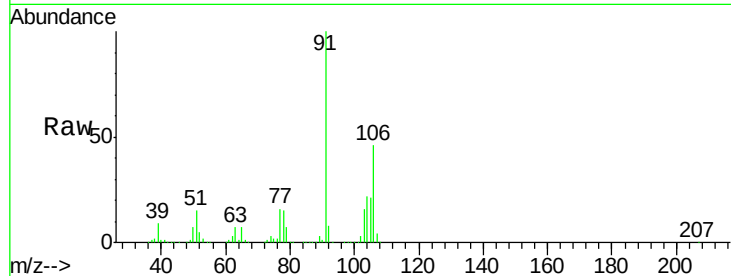
#69
o-Xylene
Concen: 47.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tgt Ion:106 Resp: 933355
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1

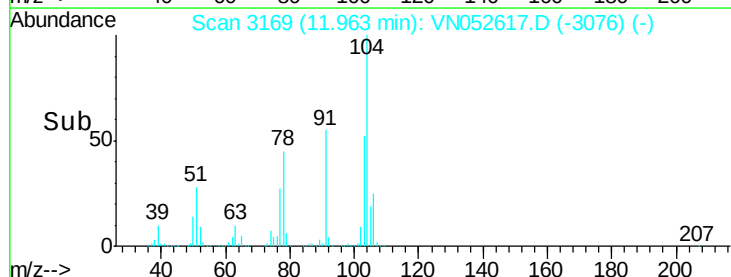
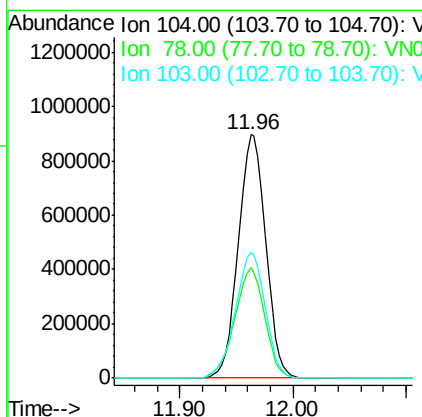
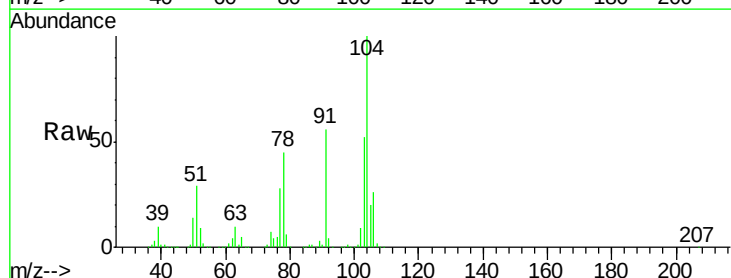
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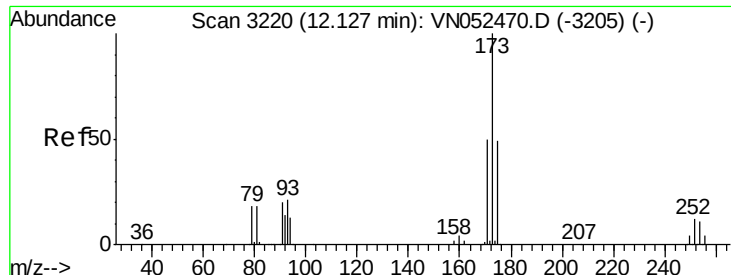
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#70
Styrene
Concen: 49.000 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:104 Resp: 1519508
Ion Ratio Lower Upper
104 100
78 49.1 39.4 59.2
103 55.8 44.9 67.3





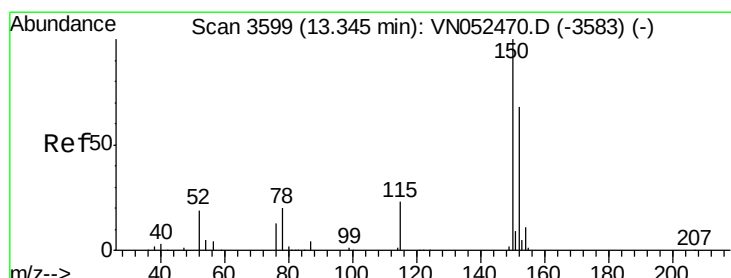
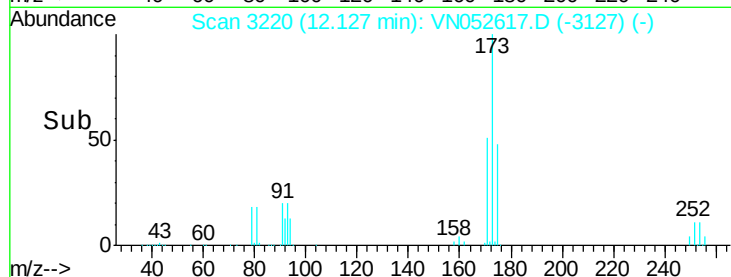
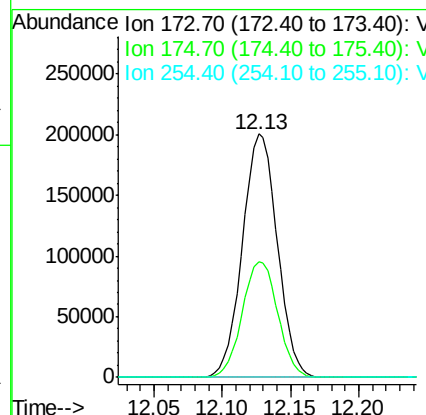
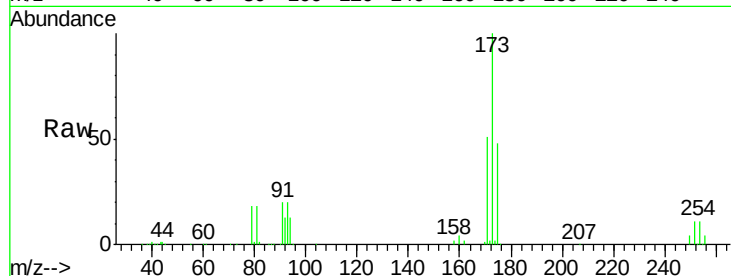
#71
Bromoform
Concen: 50.286 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.1	0.1

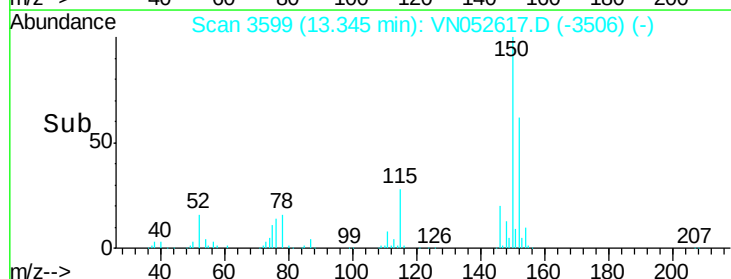
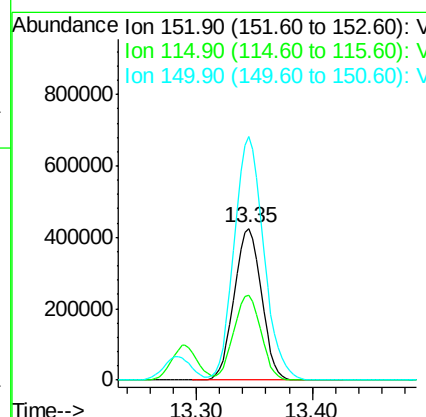
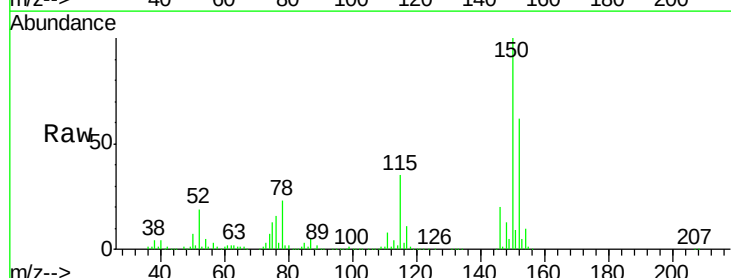
Manual Integrations
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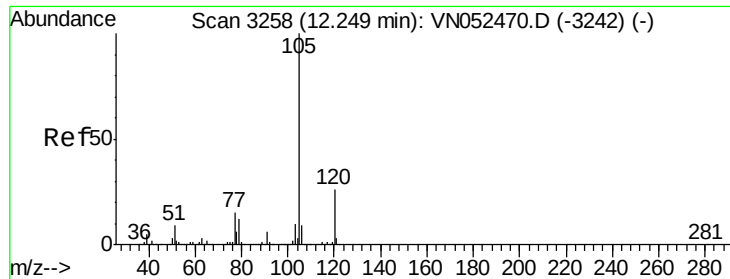
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	28.4	85.2
150	173.7	0.0	346.0





#73

Isopropylbenzene

Concen: 46.050 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 2494036

Ion Ratio Lower Upper

105 100

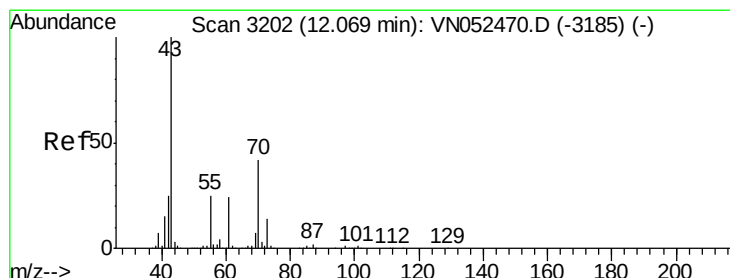
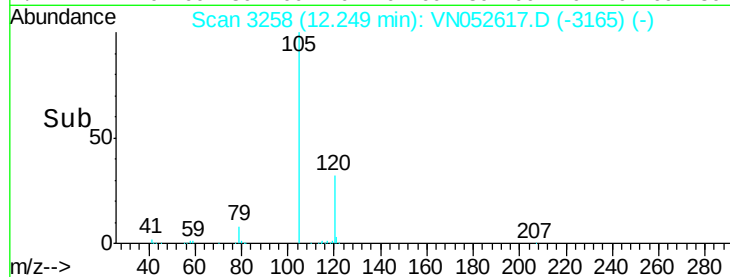
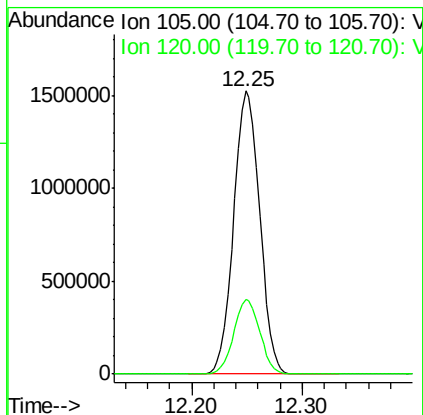
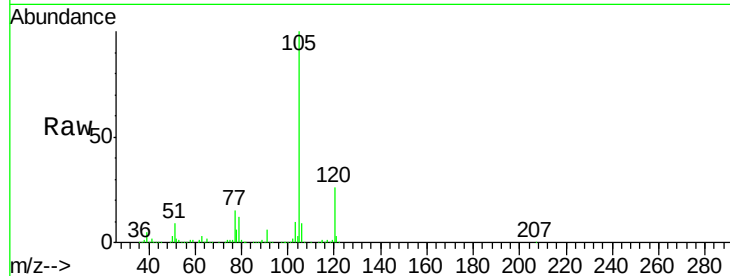
120 26.3 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.161 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Tgt Ion: 43 Resp: 713710

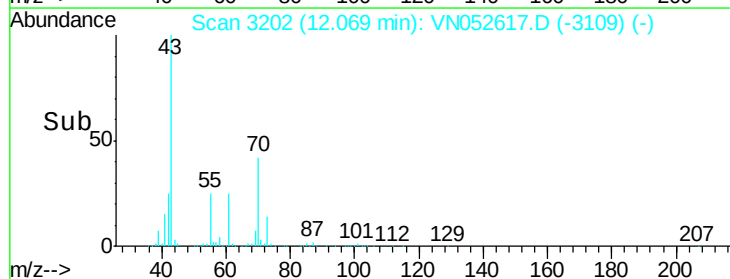
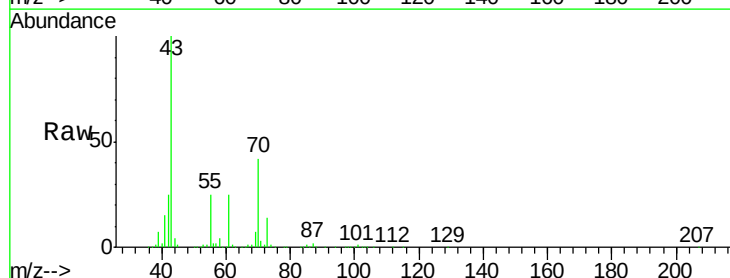
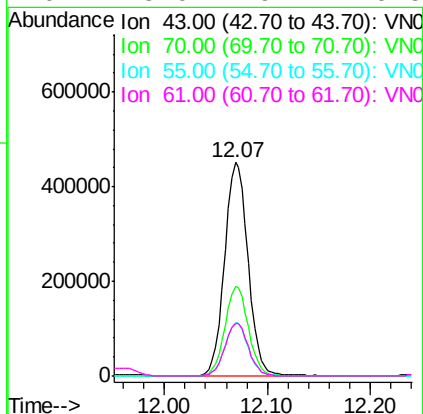
Ion Ratio Lower Upper

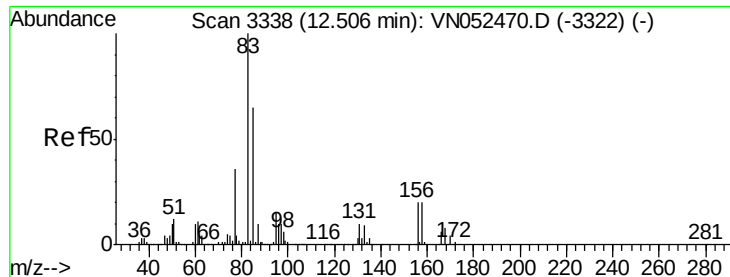
43 100

70 42.0 33.8 50.8

55 24.9 20.0 30.0

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.646 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 574687

Ion Ratio Lower Upper

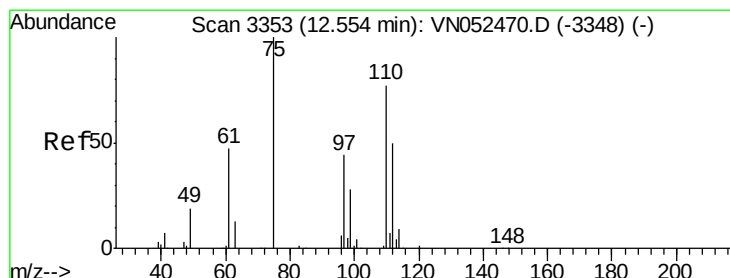
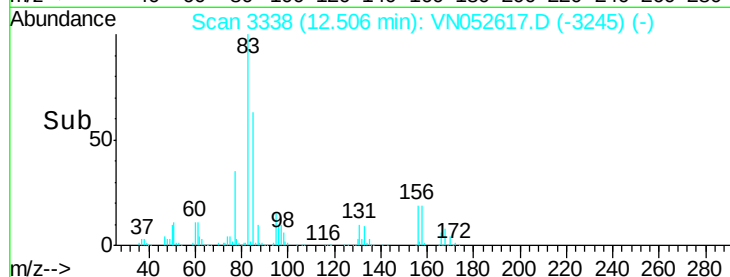
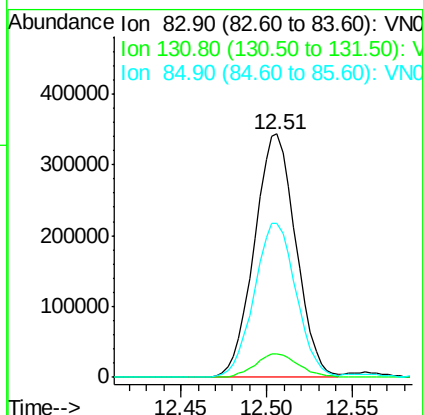
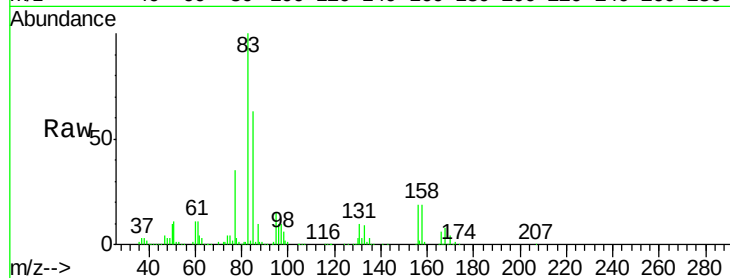
83 100

131 10.2 5.0 15.0

85 63.9 31.9 95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.793 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052617.D

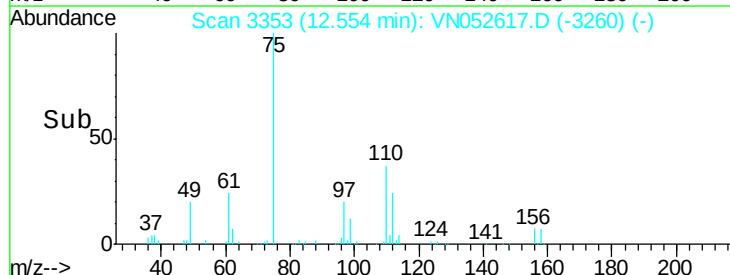
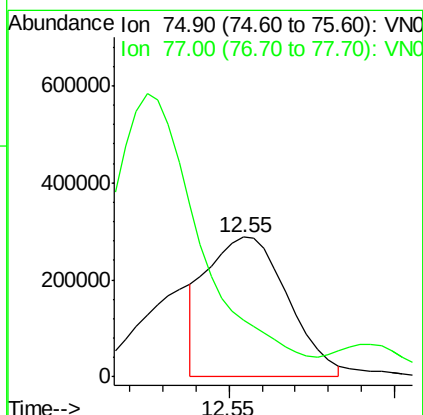
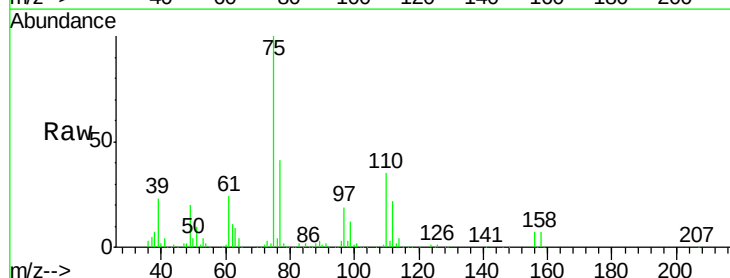
Acq: 30 Nov 2018 19:48

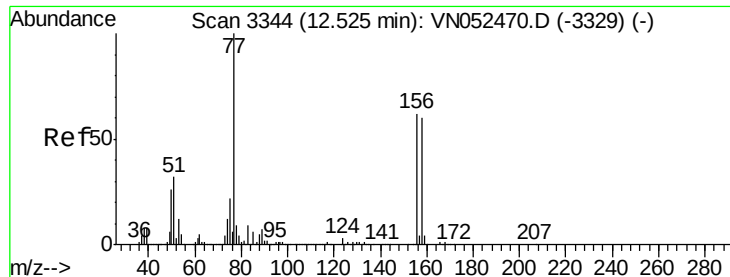
Tgt Ion: 75 Resp: 487470

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 46.336 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

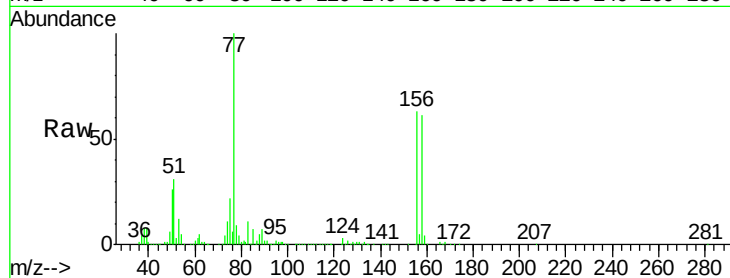
ClientSampleId :

VSTDCCC050EC

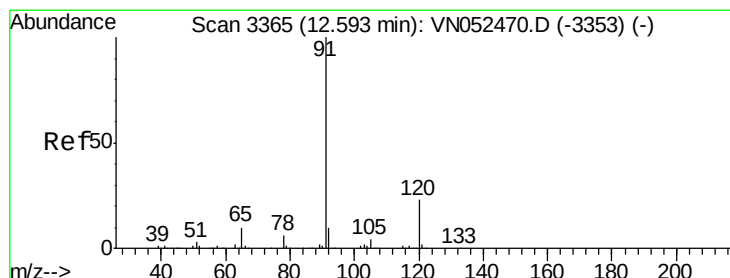
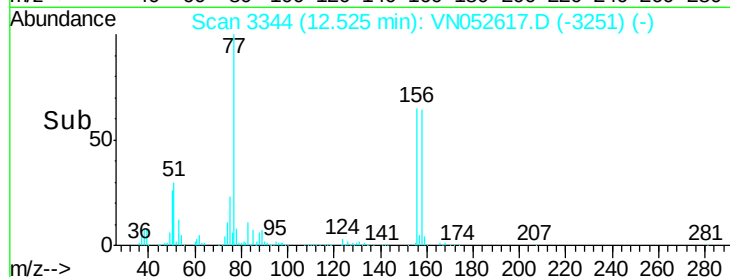
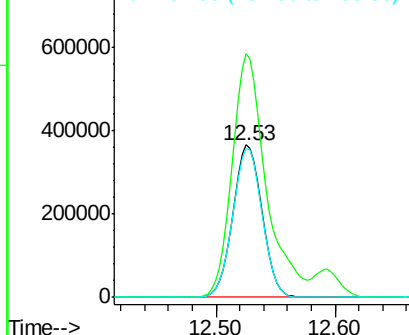
Tgt Ion:	156	Resp:	620286
Ion Ratio	Lower	Upper	
156	100		
77	185.9	93.5	280.4
158	98.1	48.3	144.9

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.438 ug/l

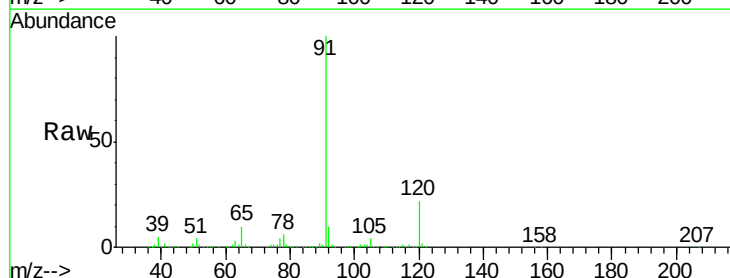
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

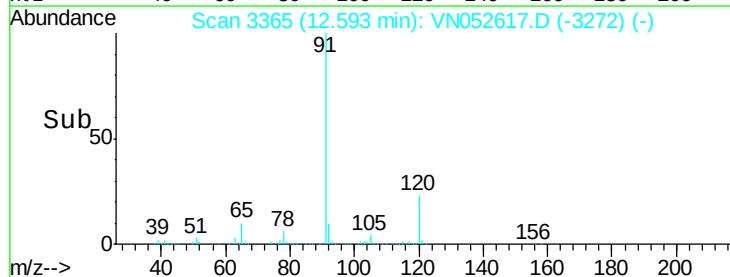
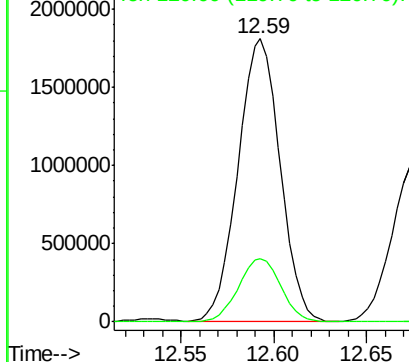
Lab File: VN052617.D

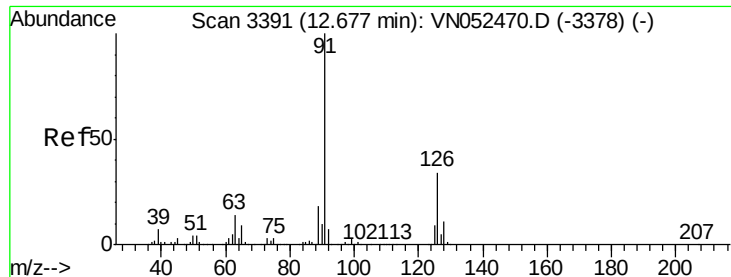
Acq: 30 Nov 2018 19:48

Tgt Ion:	91	Resp:	2857244
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.453 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 1665406

Ion Ratio Lower Upper

91 100

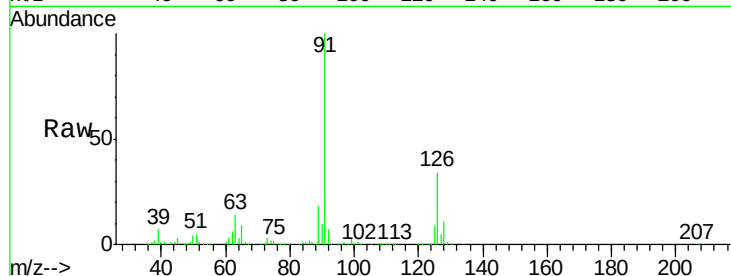
126 34.5 17.2 51.6

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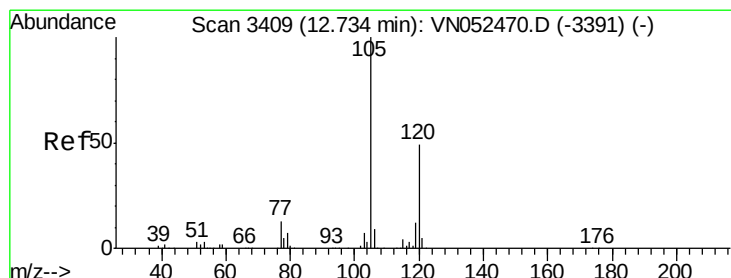
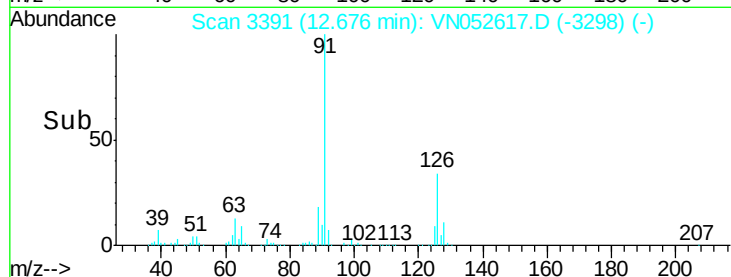
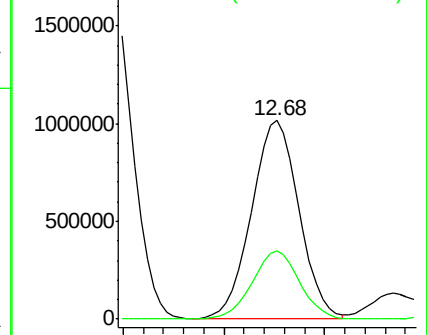
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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.492 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052617.D

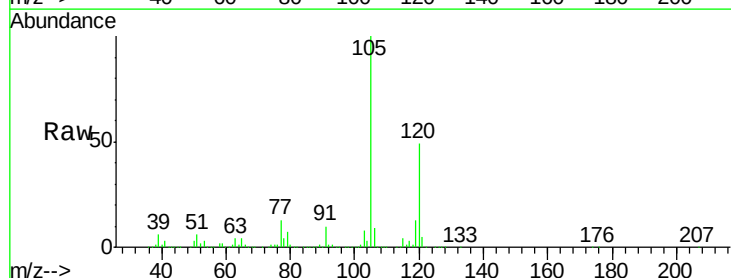
Acq: 30 Nov 2018 19:48

Tgt Ion: 105 Resp: 2008224

Ion Ratio Lower Upper

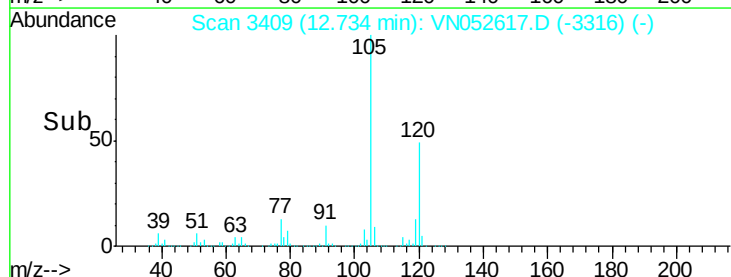
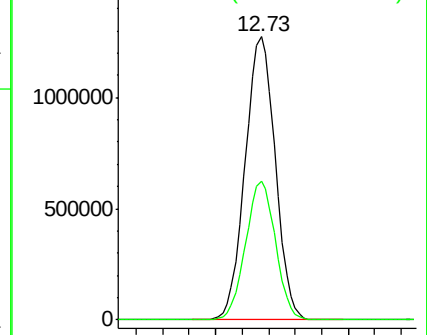
105 100

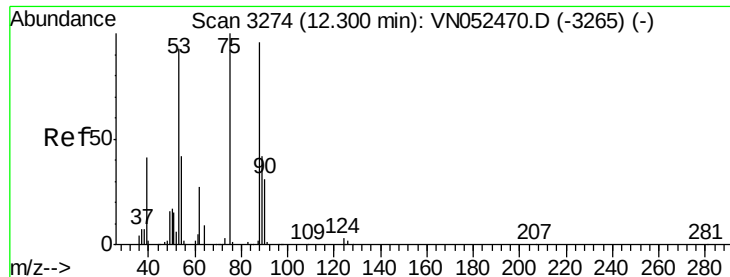
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)





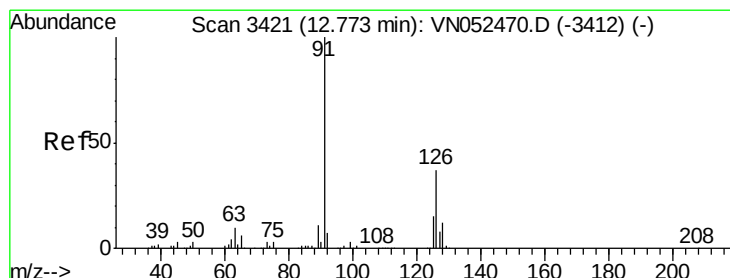
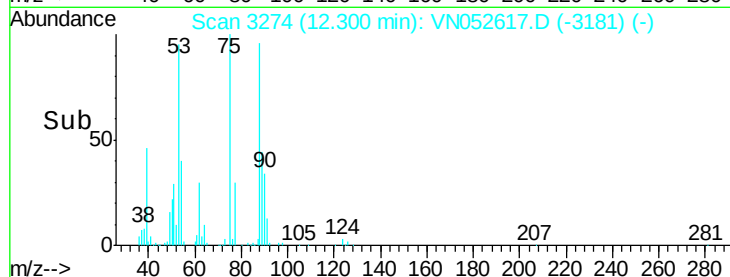
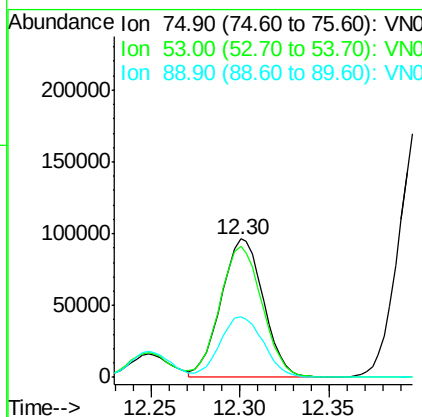
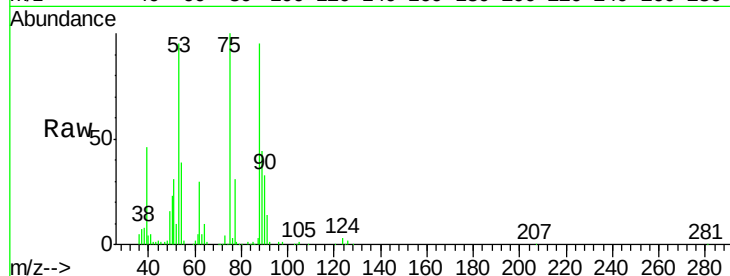
#81
trans-1,4-Dichloro-2-butene
Concen: 50.052 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	95.4	77.4	116.0
89	44.5	35.4	53.2

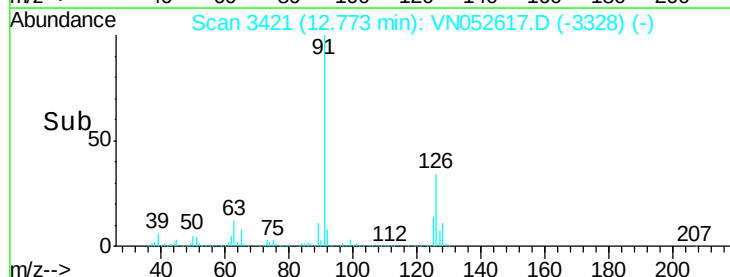
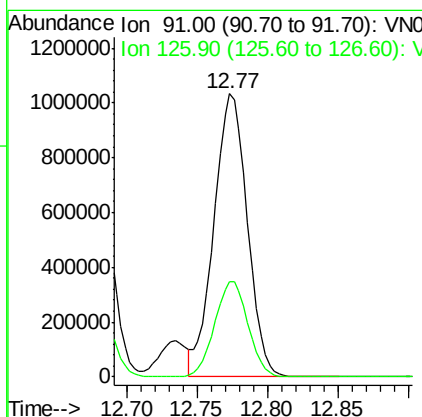
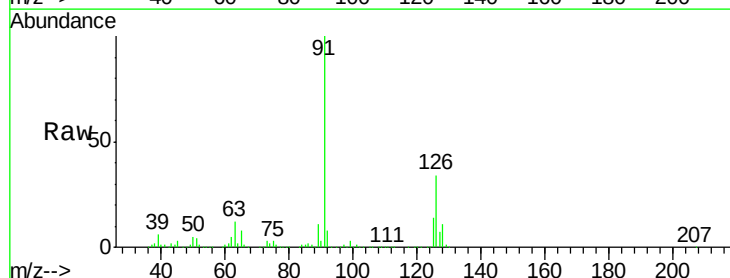
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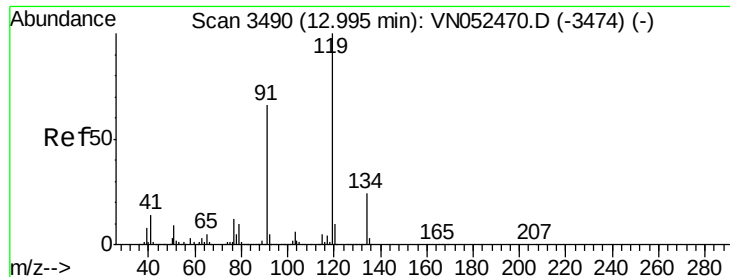
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#82
4-Chlorotoluene
Concen: 45.881 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.9	50.6





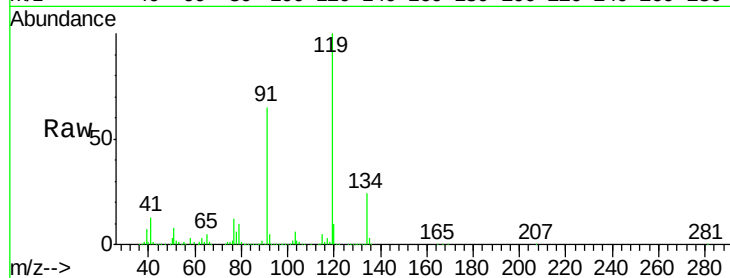
#83
 tert-Butylbenzene
 Concen: 45.907 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

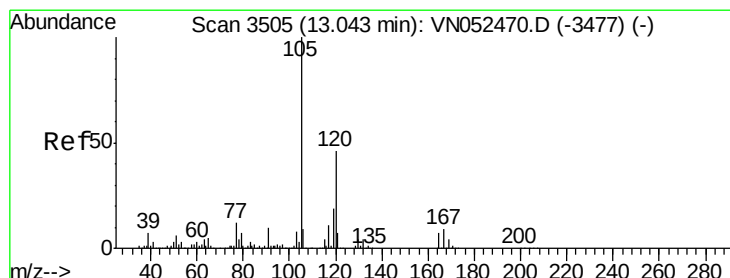
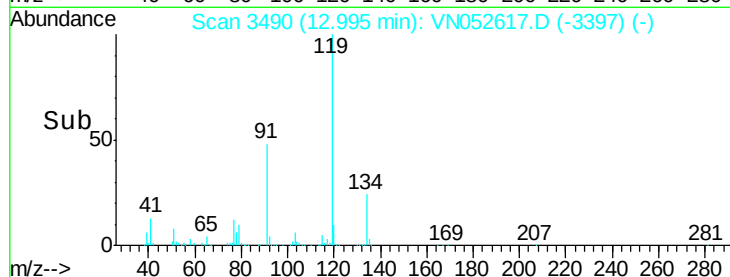
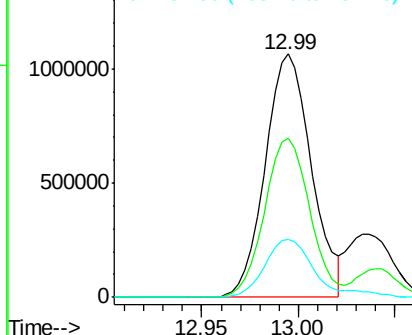
Tgt Ion:119 Resp: 1767778
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.3 96.9
 134 26.1 13.0 38.9

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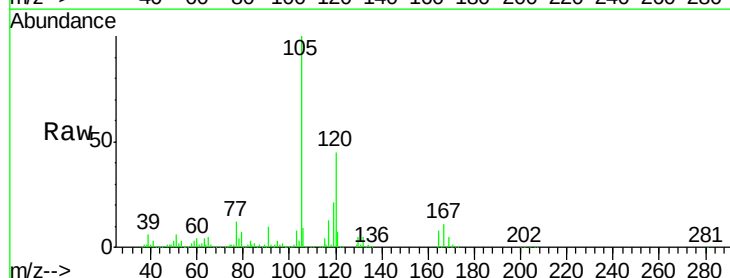


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

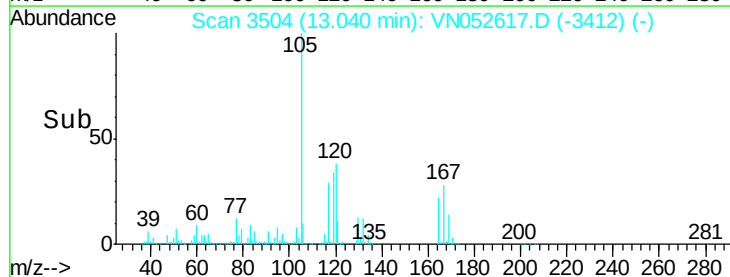
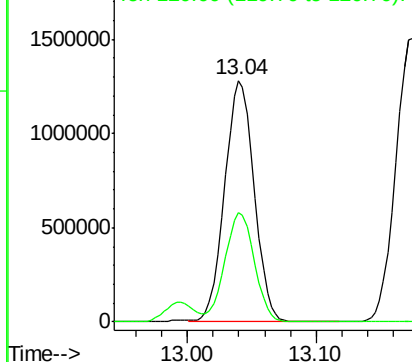


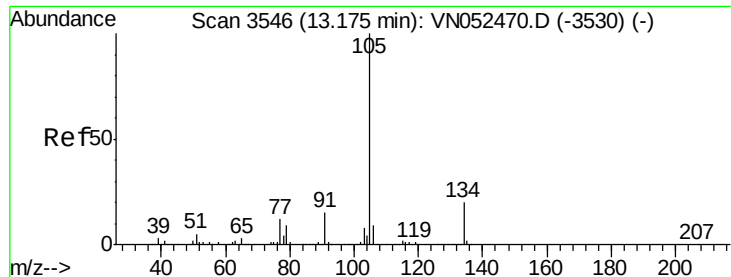
#84
 1,2,4-Trimethylbenzene
 Concen: 46.885 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion:105 Resp: 2029580
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.780 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 2401106

Ion Ratio Lower Upper

105 100

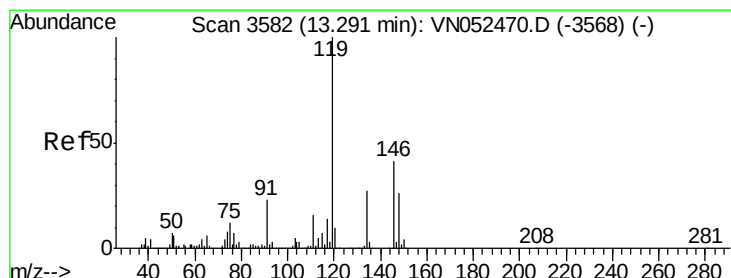
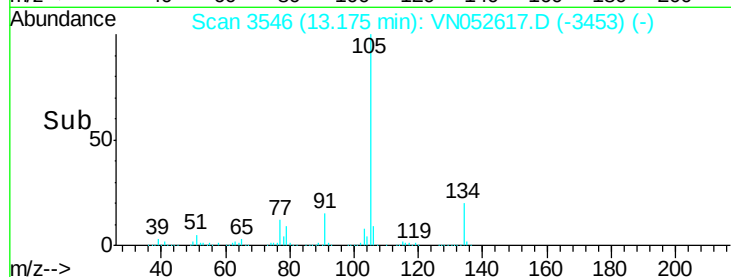
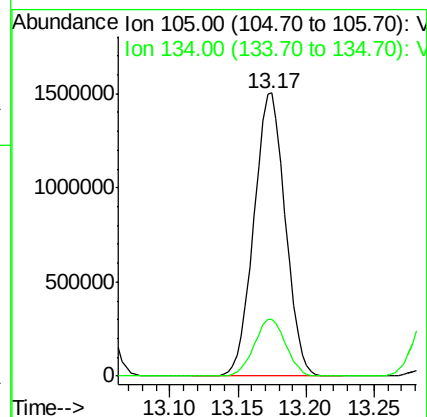
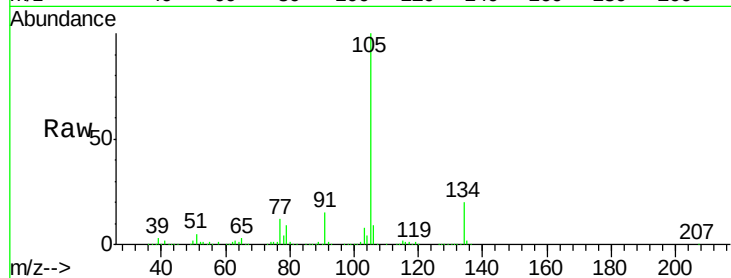
134 20.3 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 46.483 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

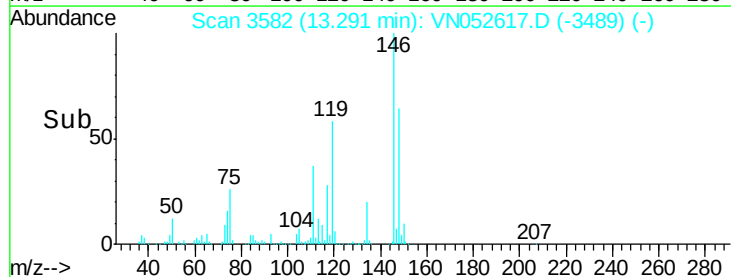
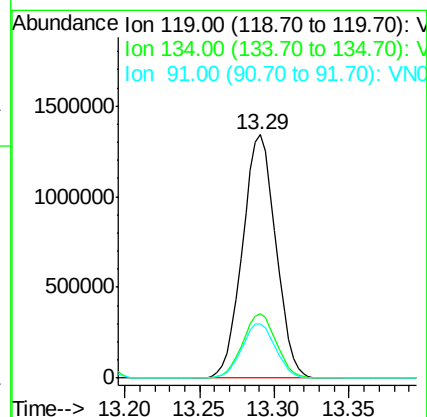
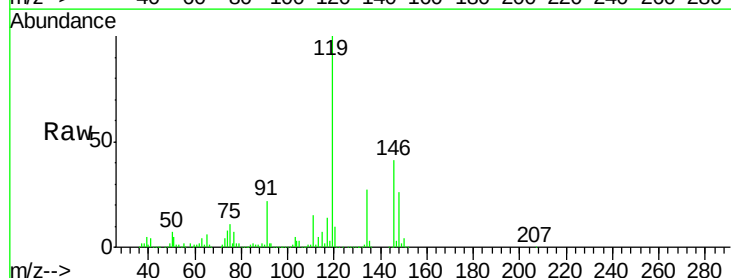
Tgt Ion:119 Resp: 2076524

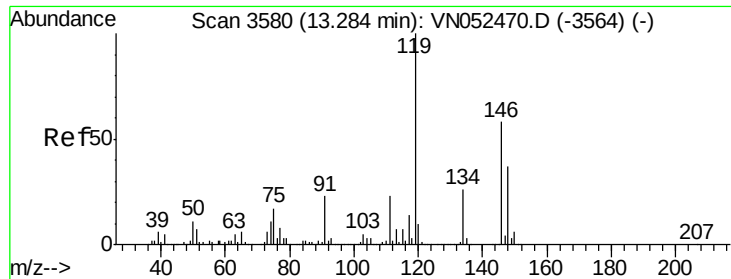
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 46.559 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 1090248

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

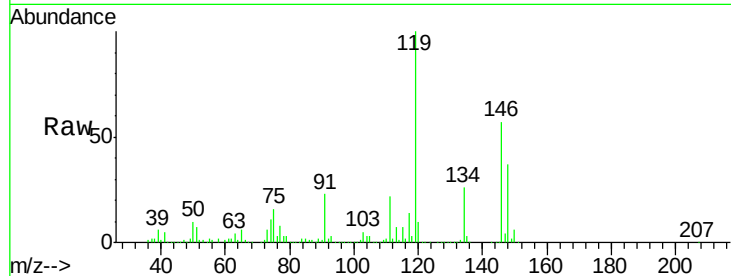
148 63.7 31.8 95.4

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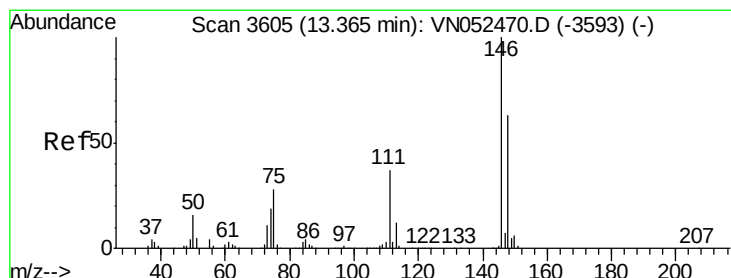
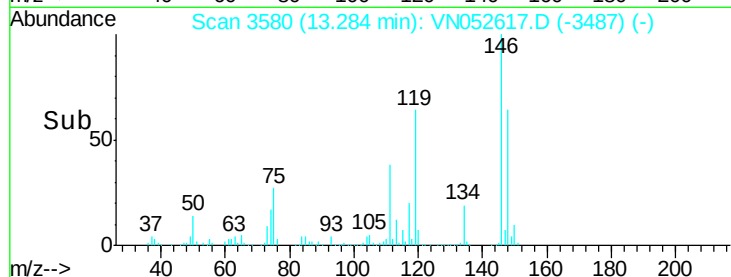
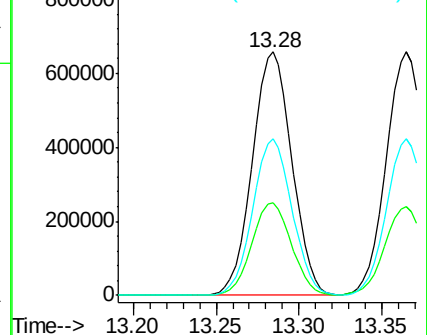
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 46.642 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

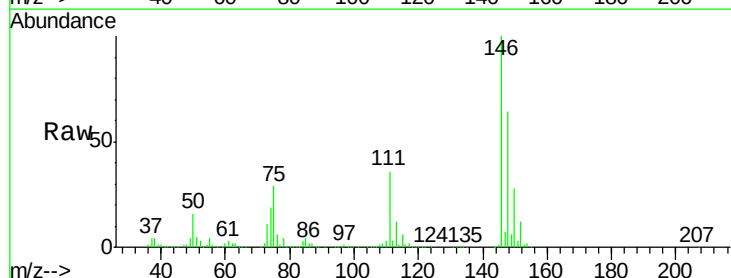
Tgt Ion:146 Resp: 1075804

Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

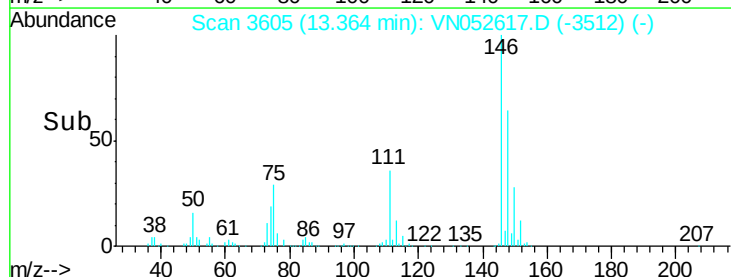
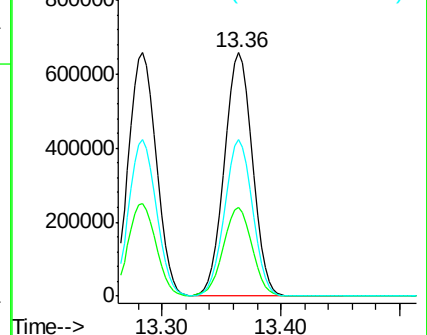
148 64.2 31.9 95.9

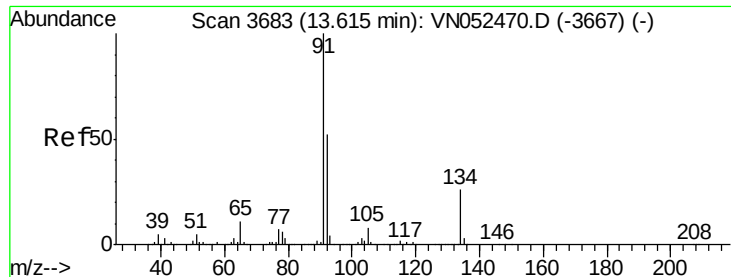


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





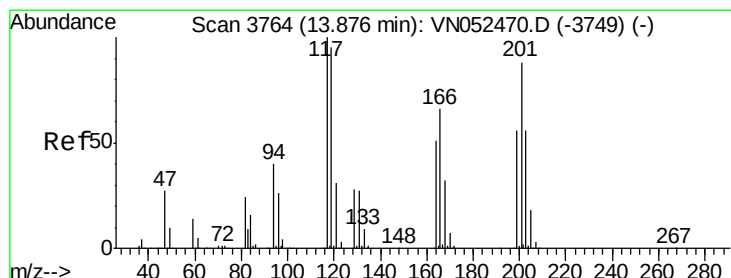
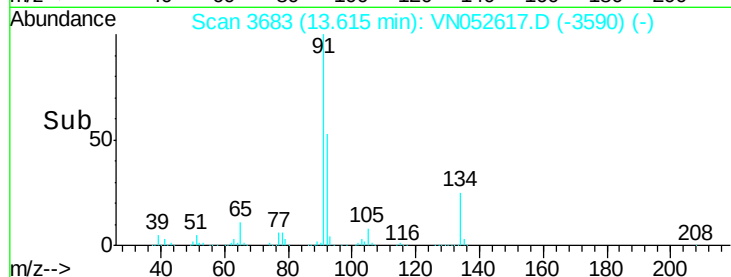
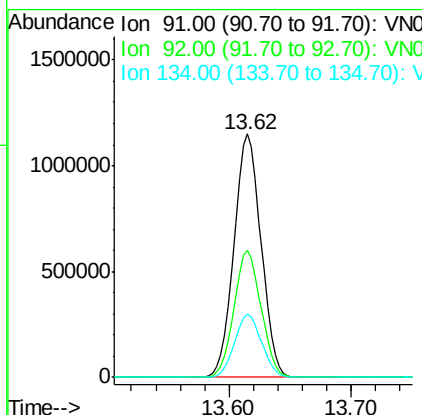
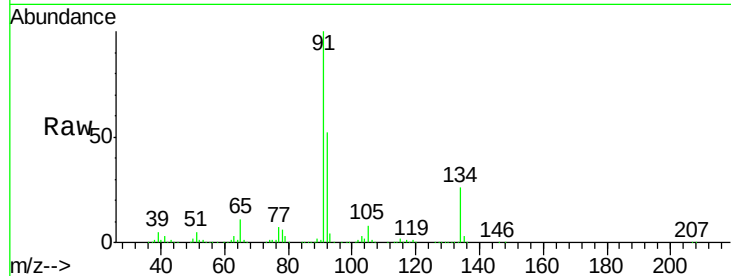
#89
n-Butylbenzene
Concen: 47.501 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1764765
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 26.0 13.0 38.9

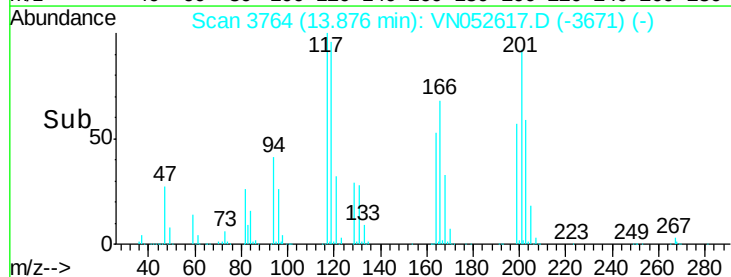
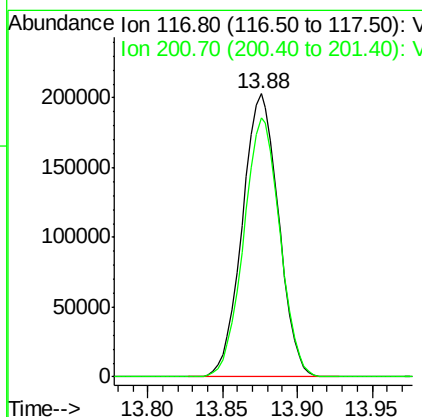
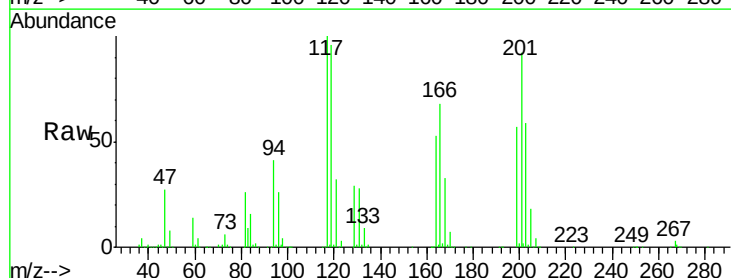
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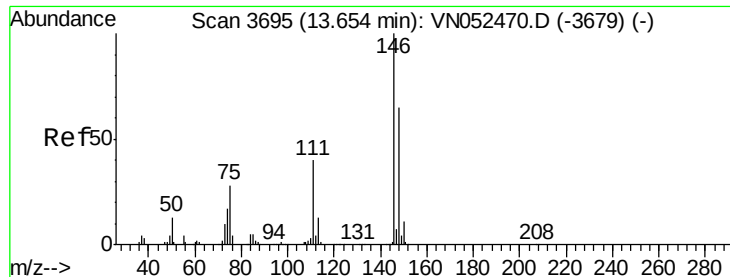
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#90
Hexachloroethane
Concen: 45.326 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 117 Resp: 342846
Ion Ratio Lower Upper
117 100
201 91.1 43.6 130.9





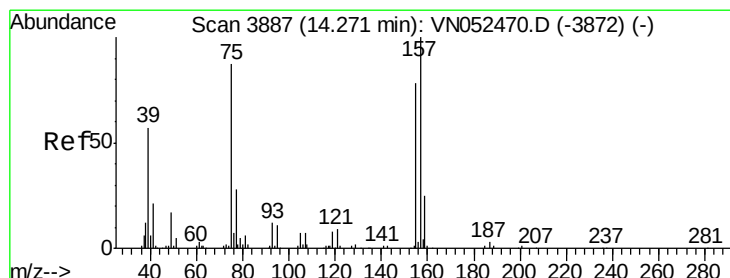
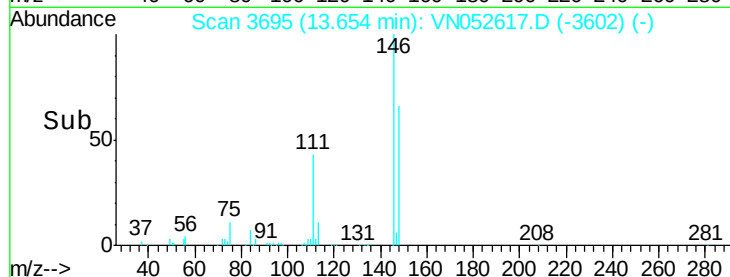
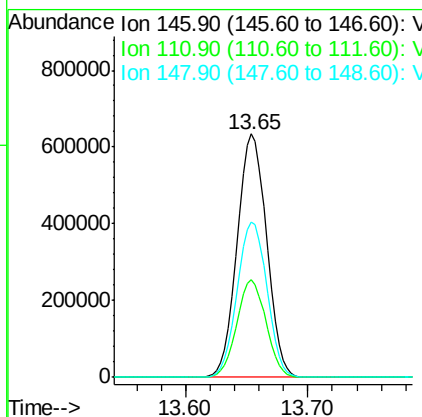
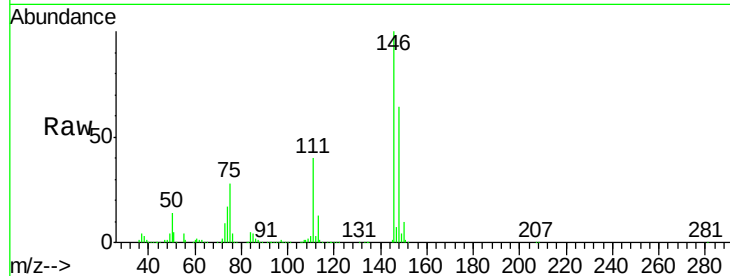
#91
 1,2-Dichlorobenzene
 Concen: 47.284 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 146 Resp: 1057832
 Ion Ratio Lower Upper
 146 100
 111 39.7 20.0 60.0
 148 64.6 32.0 96.2

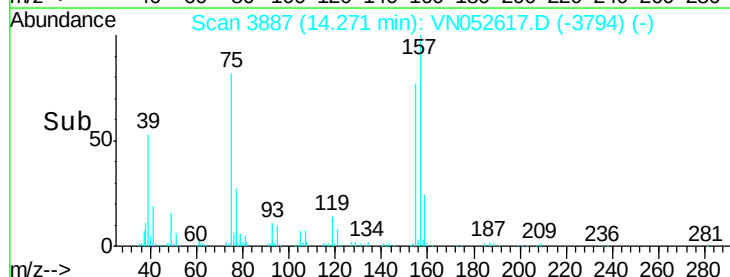
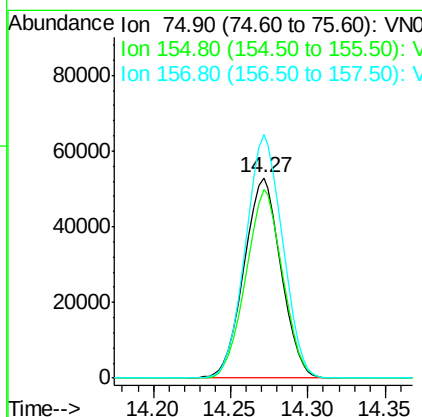
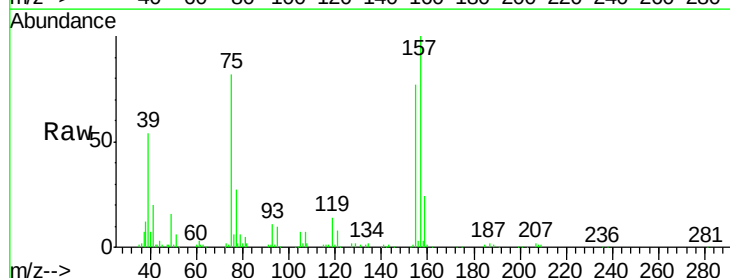
Manual Integrations
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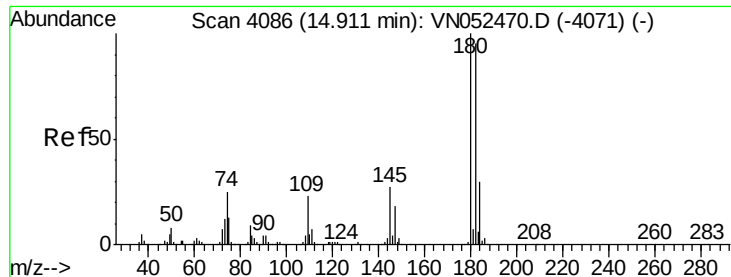
MMDadoda
 12/3/2018 10:49:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.057 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 75 Resp: 88203
 Ion Ratio Lower Upper
 75 100
 155 93.1 45.3 135.9
 157 121.3 58.1 174.2





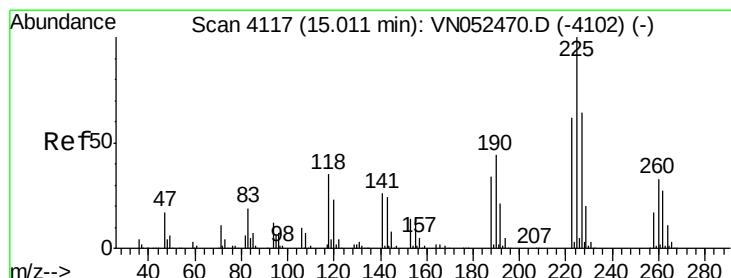
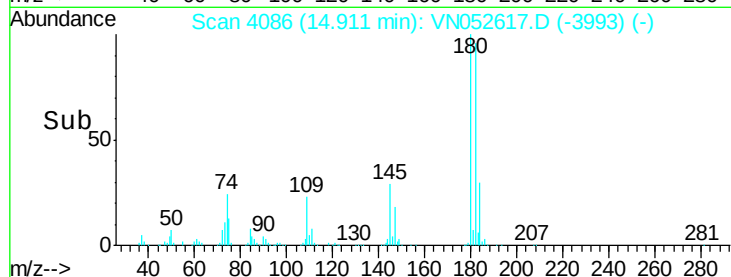
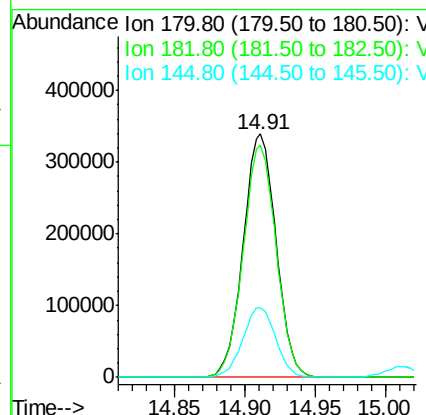
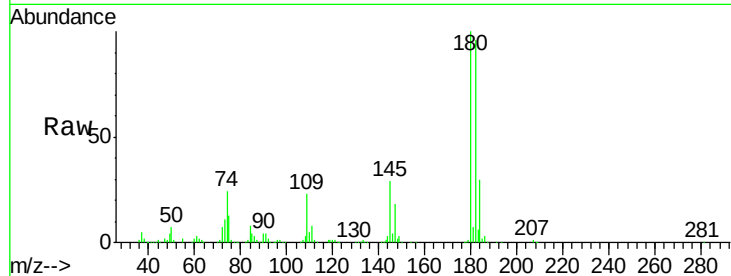
#93
 1,2,4-Trichlorobenzene
 Concen: 45.560 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	555092		
182	95.4	47.8	143.4	
145	28.9	14.1	42.3	

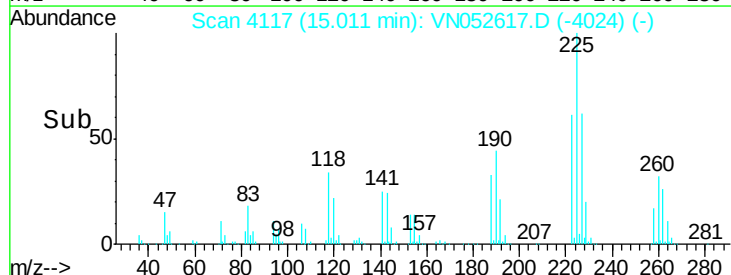
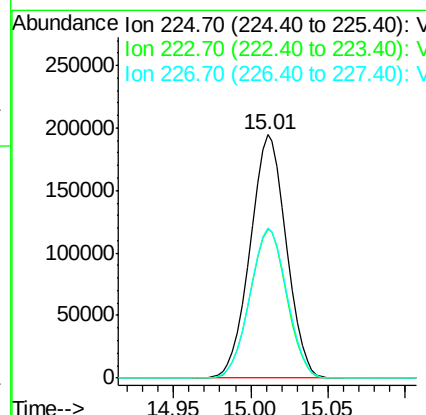
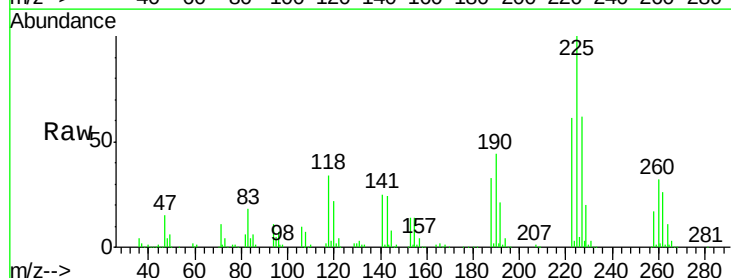
Manual Integrations
 APPROVED

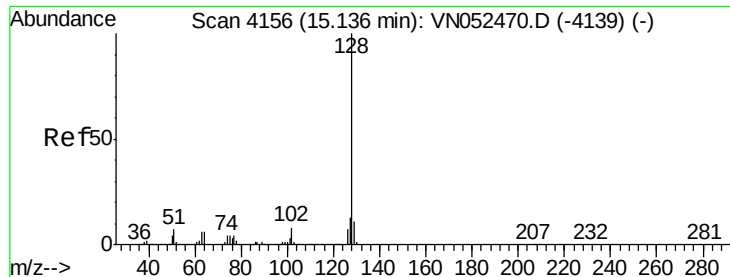
MMDadoda
 12/3/2018 10:49:47 AM



#94
 Hexachlorobutadiene
 Concen: 43.970 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316460		
223	62.2	31.4	94.2	
227	63.2	32.5	97.4	





#95

Naphthalene

Concen: 46.423 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 1199688

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

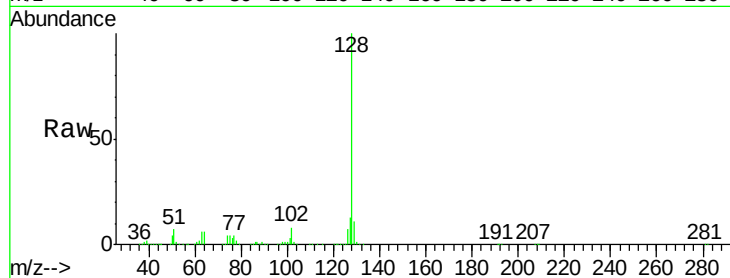
129 10.7 8.7 13.1

Manual Integrations

APPROVED

MMDadoda

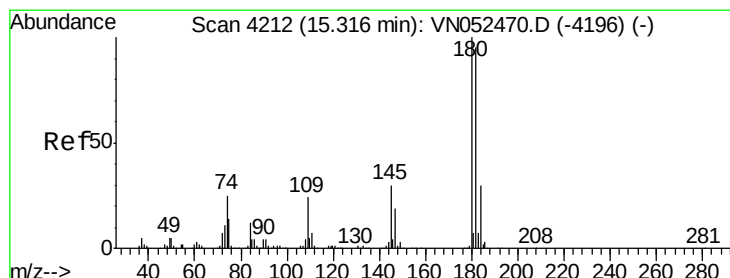
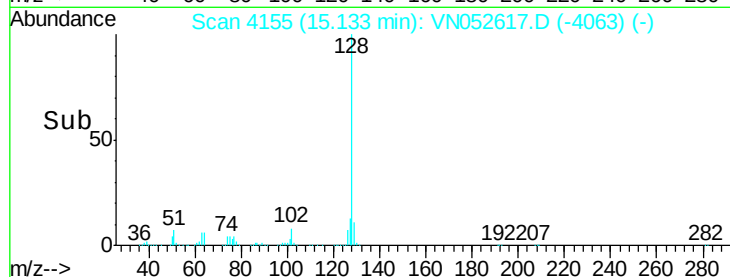
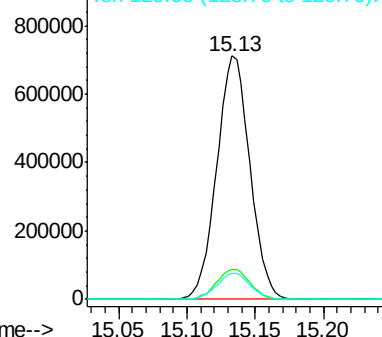
12/3/2018 10:49:47 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.733 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

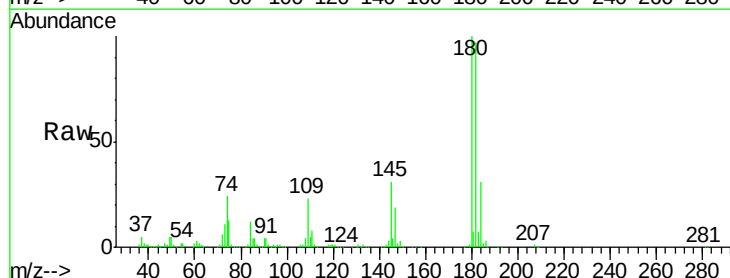
Tgt Ion:180 Resp: 512558

Ion Ratio Lower Upper

180 100

182 96.7 47.8 143.3

145 30.6 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

