

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052600.D
 Acq On : 30 Nov 2018 12:14
 Operator : MD\SY
 Sample : VN1130WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:33 AM

Quant Time: Dec 01 01:08:00 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	1008801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1588367	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1392672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	609479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	562555	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
35) Dibromofluoromethane	7.59	113	502551	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1911791	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	634241	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	169661	17.962	ug/l	98
3) Chloromethane	2.06	50	223104	17.894	ug/l	100
4) Vinyl Chloride	2.19	62	235858	18.415	ug/l	98
5) Bromomethane	2.58	94	145967	18.265	ug/l	98
6) Chloroethane	2.71	64	141728	18.268	ug/l	98
7) Trichlorofluoromethane	3.02	101	300876	19.124	ug/l	97
8) Diethyl Ether	3.41	74	113201	19.484	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	188949	19.247	ug/l	99
10) Methyl Iodide	3.96	142	254951	19.499	ug/l	100
11) Tert butyl alcohol	4.78	59	60643	110.282	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	179234	18.967	ug/l	100
13) Acrolein	3.61	56	74619	100.478	ug/l	100
14) Allyl chloride	4.33	41	308094	18.917	ug/l	98
15) Acrylonitrile	4.99	53	349782	100.487	ug/l	99
16) Acetone	3.82	43	267223	92.237	ug/l	100
17) Carbon Disulfide	4.06	76	510097	17.153	ug/l	99
18) Methyl Acetate	4.33	43	165753	19.945	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	507376	20.180	ug/l	97
20) Methylene Chloride	4.55	84	207292	18.284	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	191942	19.018	ug/l	97
22) Diisopropyl ether	5.96	45	662306	19.360	ug/l	98
23) Vinyl Acetate	5.90	43	2092557	98.203	ug/l	99
24) 1,1-Dichloroethane	5.85	63	377649	19.334	ug/l	99
25) 2-Butanone	6.84	43	401260	97.716	ug/l	97
26) 2,2-Dichloropropane	6.83	77	258986	19.155	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	226990	19.307	ug/l	98
28) Bromochloromethane	7.20	49	178702	20.030	ug/l	96
29) Tetrahydrofuran	7.21	42	263810	99.603	ug/l	98
30) Chloroform	7.37	83	366639	18.813	ug/l	99
31) Cyclohexane	7.66	56	354587	18.525	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	301317	19.515	ug/l	99
36) 1,1-Dichloropropene	7.79	75	280196	18.681	ug/l	100
37) Ethyl Acetate	6.93	43	180751	19.746	ug/l	99
38) Carbon Tetrachloride	7.78	117	262287	19.316	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	331001	18.156	ug/l	100
40) Benzene	8.04	78	848986	18.993	ug/l	100
41) Methacrylonitrile	7.17	41	96896	19.361	ug/l	98
42) 1,2-Dichloroethane	8.13	62	260733	19.264	ug/l	99
43) Isopropyl Acetate	8.17	43	313301	20.224	ug/l	99
44) Trichloroethene	8.84	130	221637	19.357	ug/l	99
45) 1,2-Dichloropropane	9.12	63	228771	19.250	ug/l	100
46) Dibromomethane	9.21	93	129098	19.623	ug/l	98
47) Bromodichloromethane	9.40	83	277175	19.378	ug/l	98
48) Methyl methacrylate	9.20	41	163248	20.210	ug/l	98
49) 1,4-Dioxane	9.20	88	35776	426.758	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	881335	101.399	ug/l	100
52) Toluene	10.16	92	515181	19.398	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	266727	19.383	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	320474	19.434	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	186816	19.997	ug/l	98
56) Ethyl methacrylate	10.43	69	237088	19.985	ug/l	98
57) 1,3-Dichloropropane	10.71	76	323066	19.585	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	684179	100.927	ug/l	99
59) 2-Hexanone	10.75	43	580627	99.534	ug/l	99
60) Dibromochloromethane	10.90	129	199853	19.697	ug/l	99
61) 1,2-Dibromoethane	11.01	107	180916	19.498	ug/l	99
64) Tetrachloroethene	10.63	164	210312	19.477	ug/l	97
65) Chlorobenzene	11.44	112	556760	19.388	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	194223	19.452	ug/l	99
67) Ethyl Benzene	11.51	91	974252	19.373	ug/l	100
68) m/p-Xylenes	11.62	106	726222	38.792	ug/l	99
69) o-Xylene	11.95	106	352181	19.372	ug/l	99
70) Styrene	11.97	104	574496	19.840	ug/l	99
71) Bromoform	12.13	173	129334	19.563	ug/l #	99
73) Isopropylbenzene	12.25	105	951362	19.896	ug/l	100
74) N-amyl acetate	12.07	43	242537	20.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	223053	20.506	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	189776m	20.192	ug/l	
77) Bromobenzene	12.53	156	235647	19.938	ug/l	98
78) n-propylbenzene	12.59	91	1069717	19.692	ug/l	100
79) 2-Chlorotoluene	12.68	91	636239	19.668	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	762224	19.987	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55222	19.622	ug/l	96
82) 4-Chlorotoluene	12.77	91	629693	19.314	ug/l	99
83) tert-Butylbenzene	12.99	119	677502	19.927	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	764254	19.997	ug/l	99
85) sec-Butylbenzene	13.17	105	912200	19.699	ug/l	100
86) p-Isopropyltoluene	13.29	119	768976	19.497	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	407047	19.689	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	398094	19.549	ug/l	99
89) n-Butylbenzene	13.62	91	634492	19.343	ug/l	99
90) Hexachloroethane	13.88	117	126440	18.933	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	393211	19.907	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31874	20.488	ug/l	99

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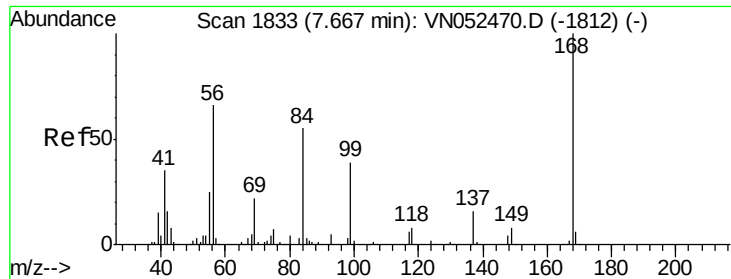
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	194742	19.809	ug/l	99
94) Hexachlorobutadiene	15.01	225	127008	19.988	ug/l	99
95) Naphthalene	15.13	128	404586	19.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	186456	20.447	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 168 Resp: 1008801

Ion Ratio Lower Upper

168 100

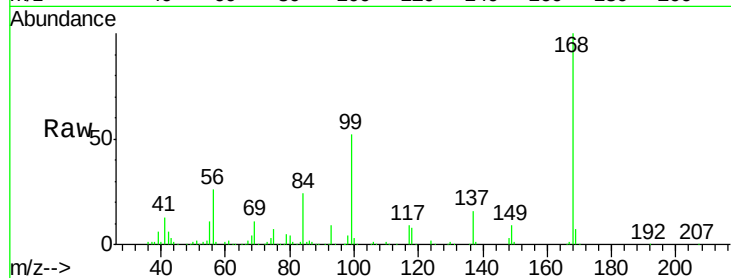
99 51.6 41.7 62.5

Manual Integrations

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12/3/2018 10:49:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

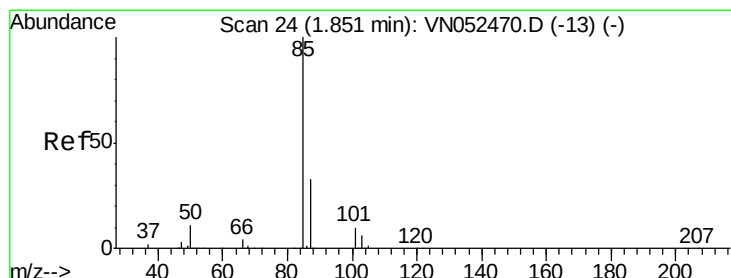
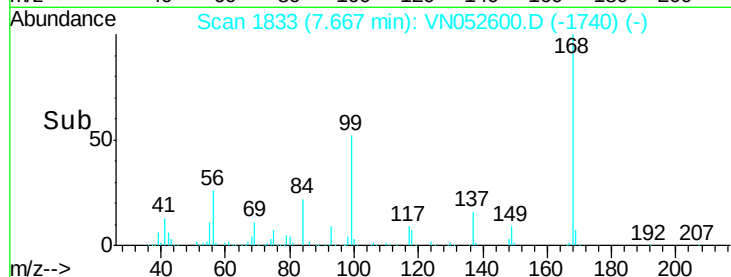
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.962 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052600.D

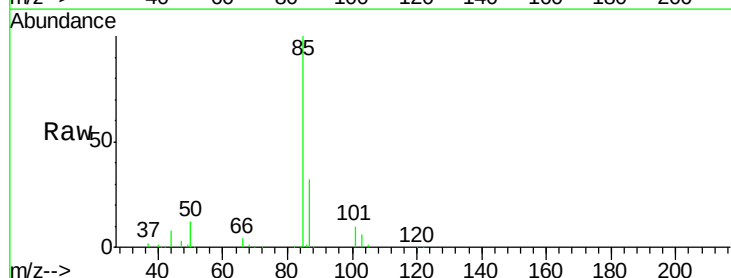
Acq: 30 Nov 2018 12:14

Tgt Ion: 85 Resp: 169661

Ion Ratio Lower Upper

85 100

87 32.4 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

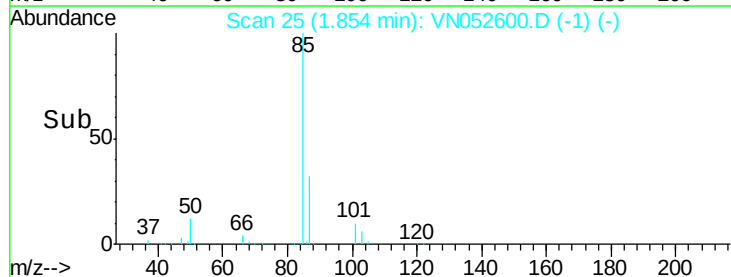
1.85

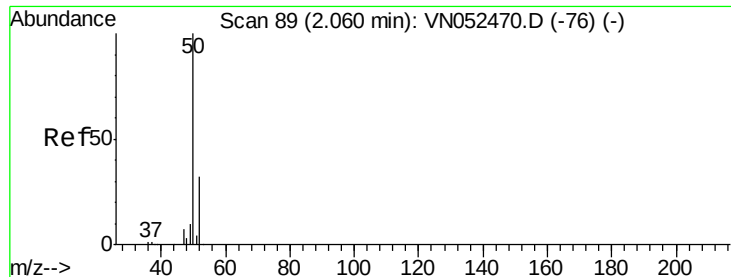
100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.894 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 50 Resp: 223104

Ion Ratio Lower Upper

50 100

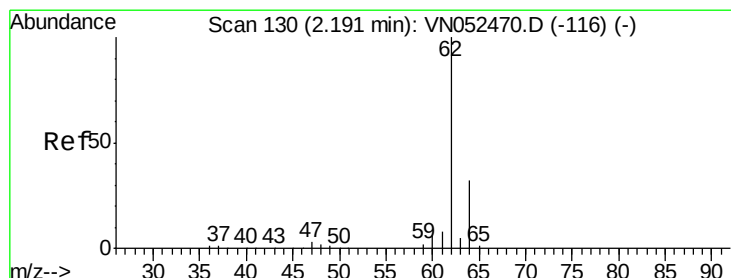
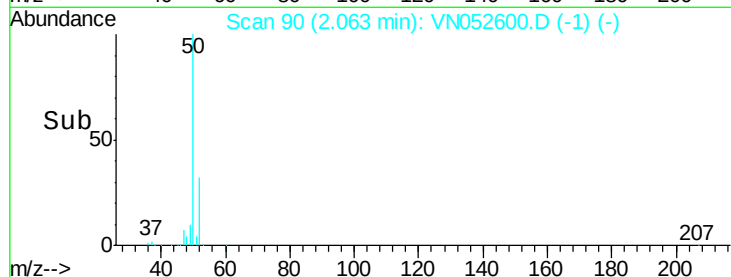
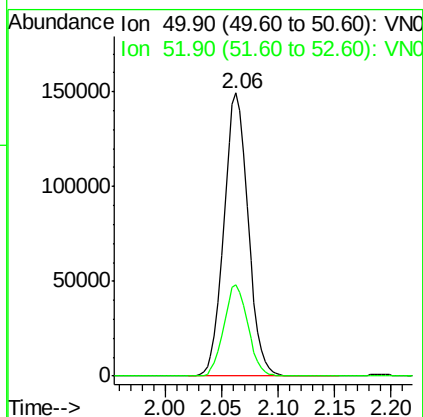
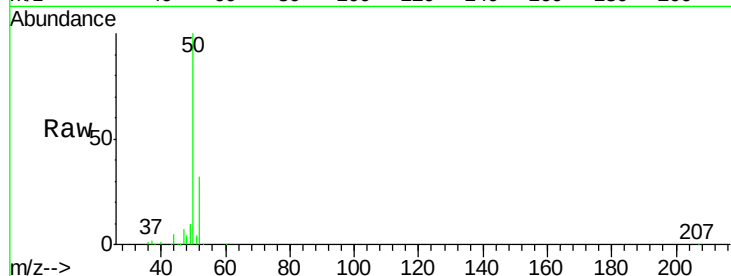
52 32.2 25.9 38.9

Manual Integrations

APPROVED

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12/3/2018 10:49:33 AM



#4

Vinyl Chloride

Concen: 18.415 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052600.D

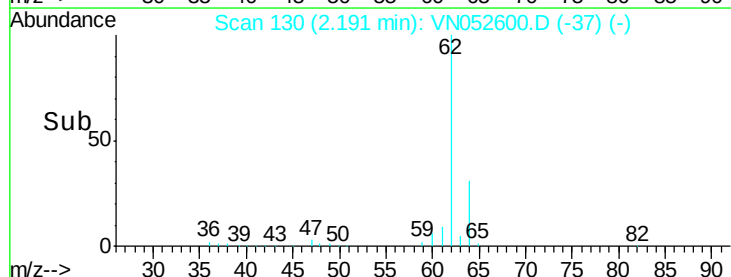
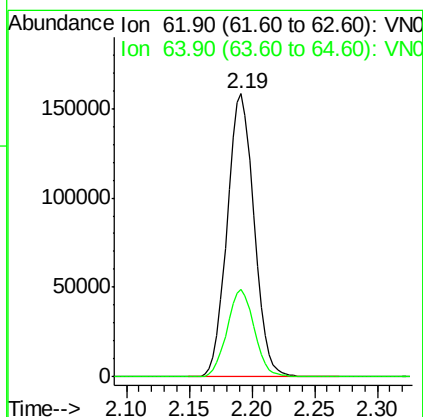
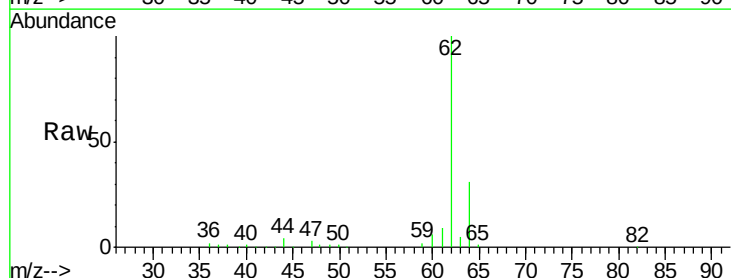
Acq: 30 Nov 2018 12:14

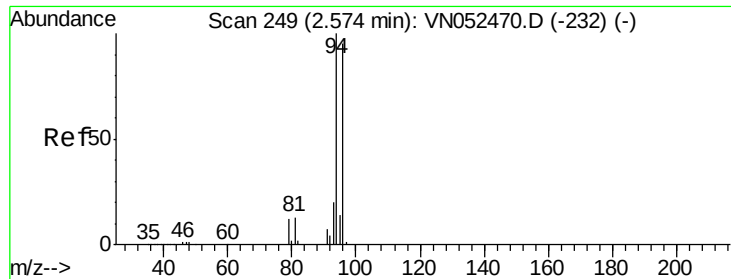
Tgt Ion: 62 Resp: 235858

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2





#5

Bromomethane

Concen: 18.265 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 94 Resp: 145967

Ion Ratio Lower Upper

94 100

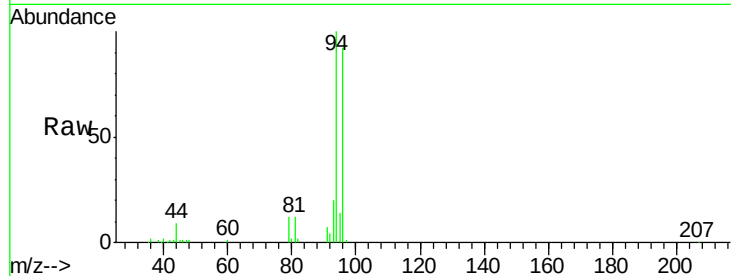
96 92.4 75.8 113.8

Manual Integrations

APPROVED

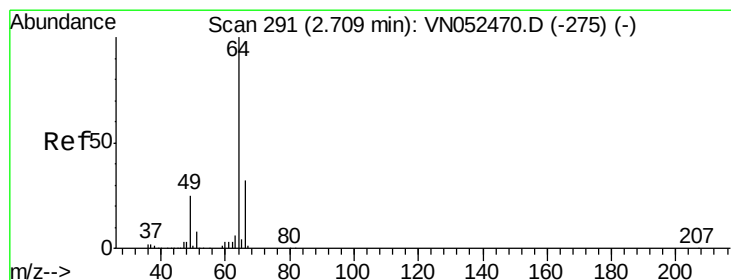
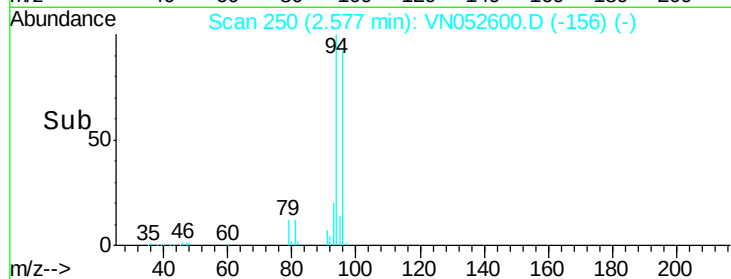
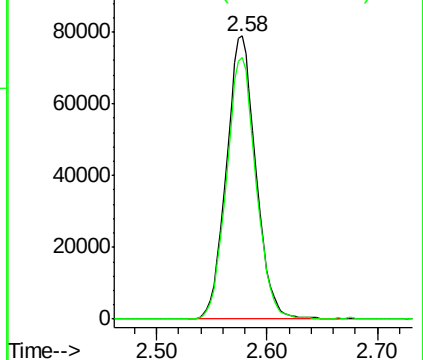
MMDadoda

12/3/2018 10:49:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.268 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052600.D

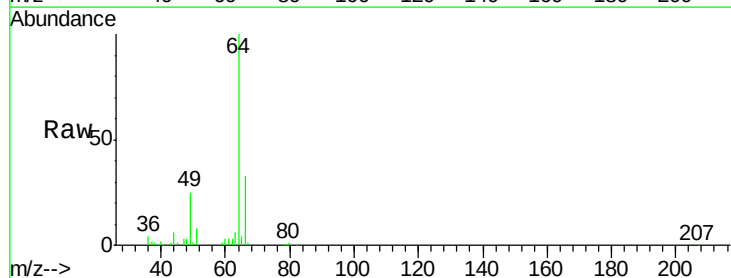
Acq: 30 Nov 2018 12:14

Tgt Ion: 64 Resp: 141728

Ion Ratio Lower Upper

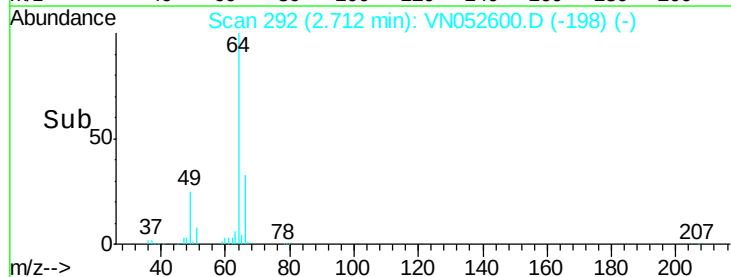
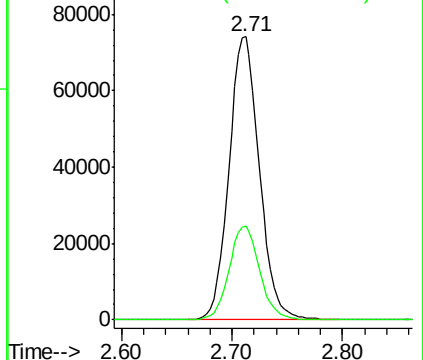
64 100

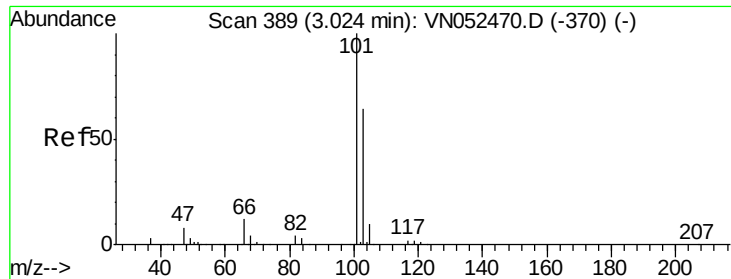
66 33.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

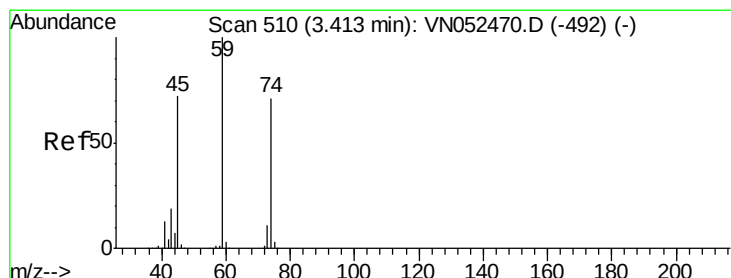
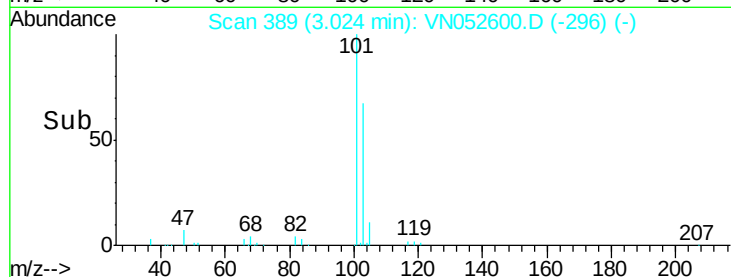
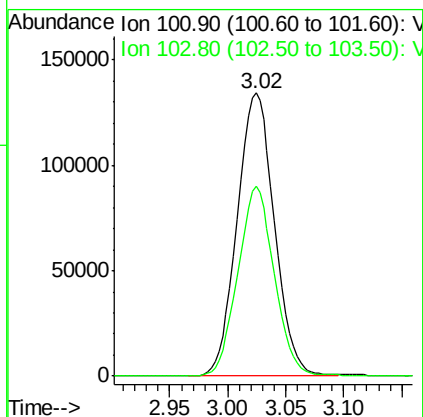
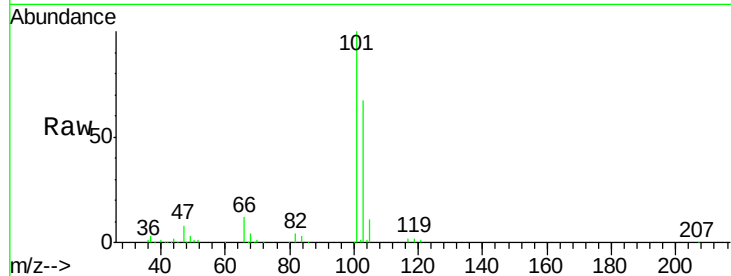
Trichlorofluoromethane
 Concen: 19.124 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.9	51.4	77.2

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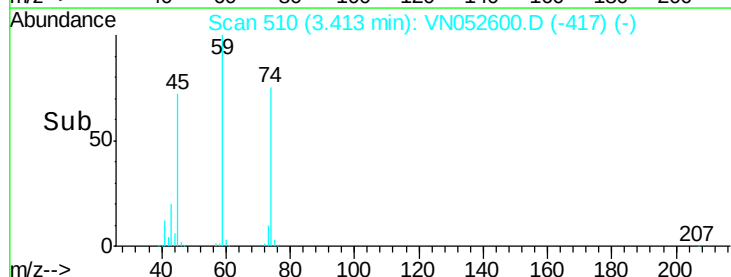
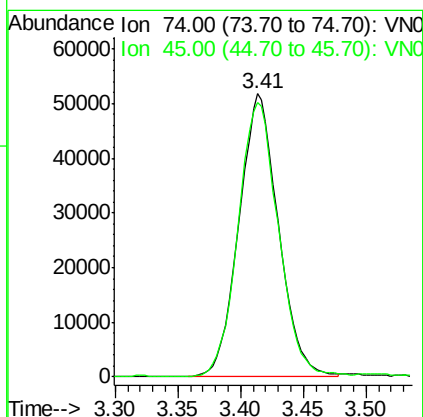
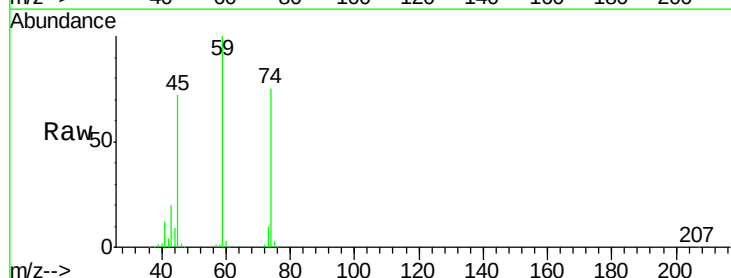
MMDadoda
 12/3/2018 10:49:33 AM

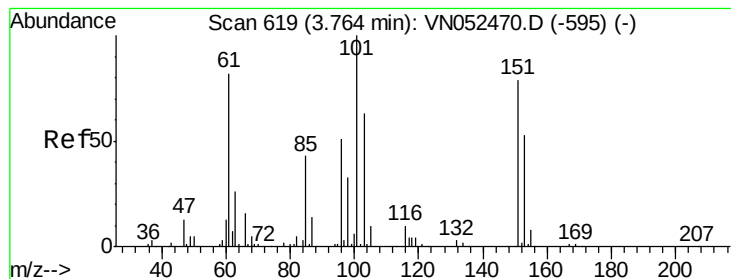


#8

Diethyl Ether
 Concen: 19.484 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.4	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.247 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

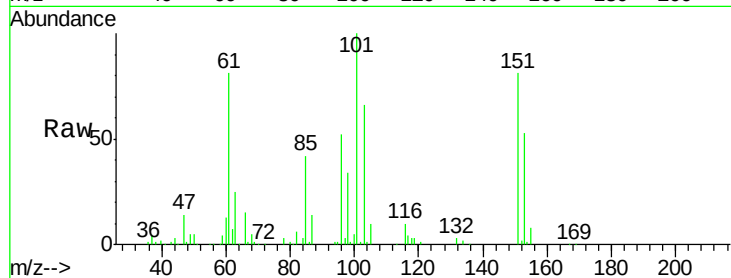
ClientSampleId :

VN1130WBS02

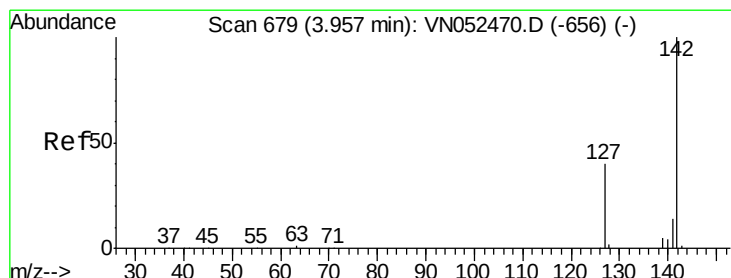
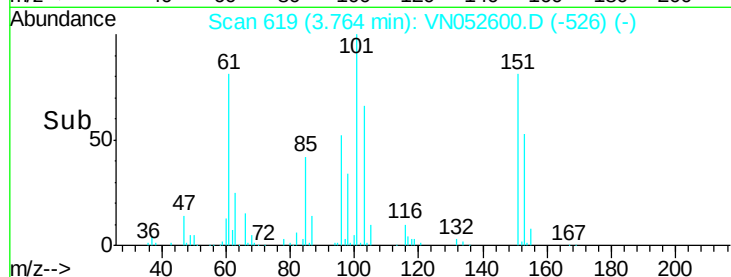
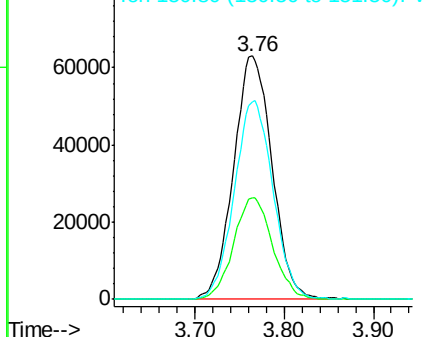
Tgt Ion:	101	Resp:	188949
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	82.2	64.6	96.8

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



#10

Methyl Iodide

Concen: 19.499 ug/l

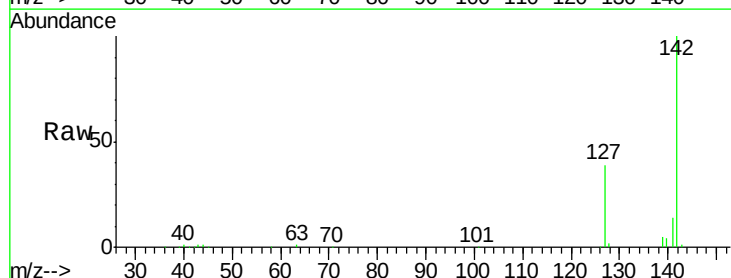
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

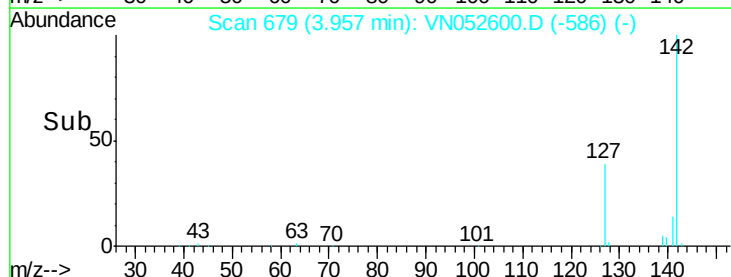
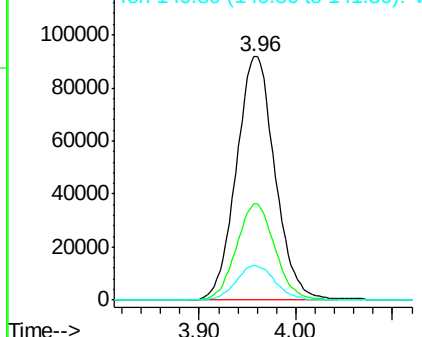
Lab File: VN052600.D

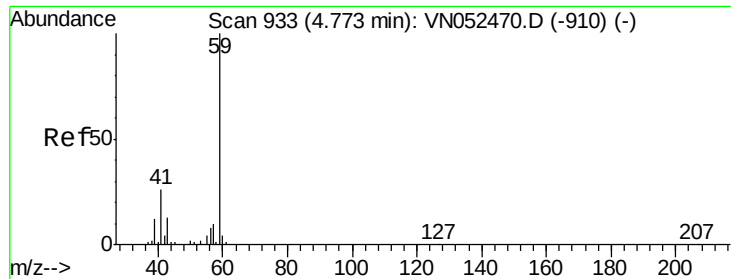
Acq: 30 Nov 2018 12:14

Tgt Ion:	142	Resp:	254951
Ion Ratio	Lower	Upper	
142	100		
127	39.6	31.8	47.6
141	14.3	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

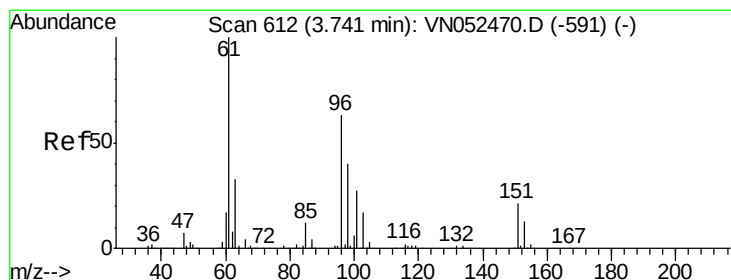
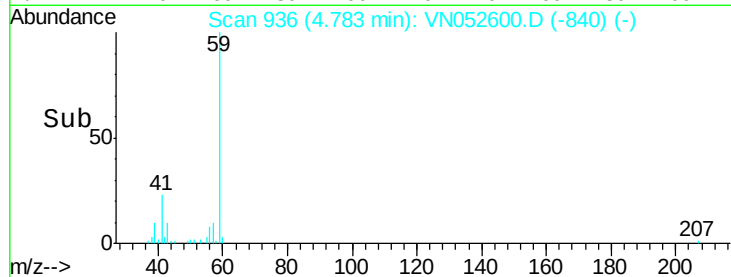
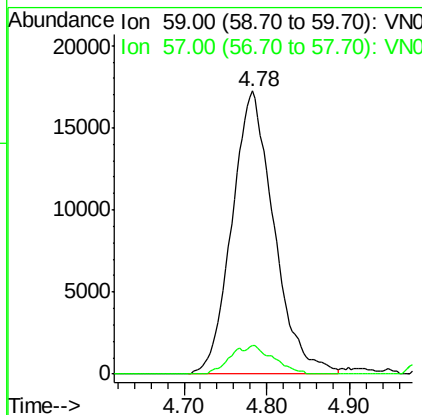
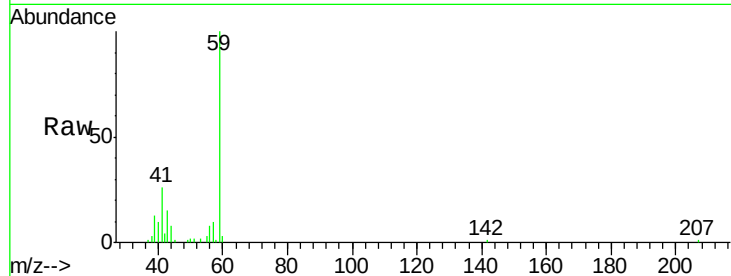
Tert butyl alcohol
Concen: 110.282 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.9	11.9#

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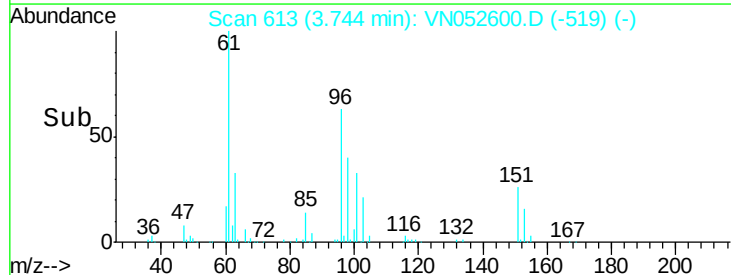
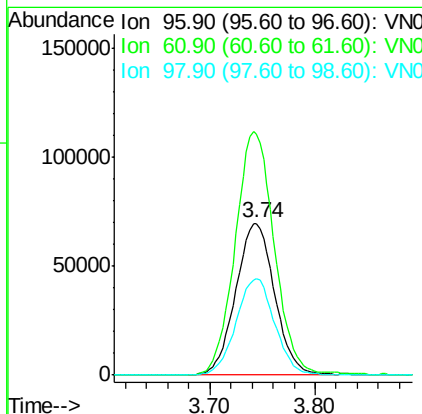
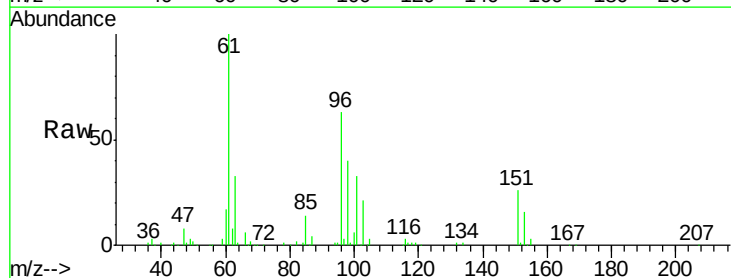
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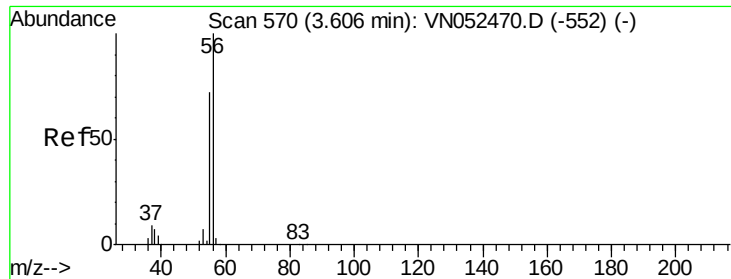


#12

1,1-Dichloroethene
Concen: 18.967 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	127.0	190.6
98	63.7	50.3	75.5





#13

Acrolein

Concen: 100.478 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 56 Resp: 74619

Ion Ratio Lower Upper

56 100

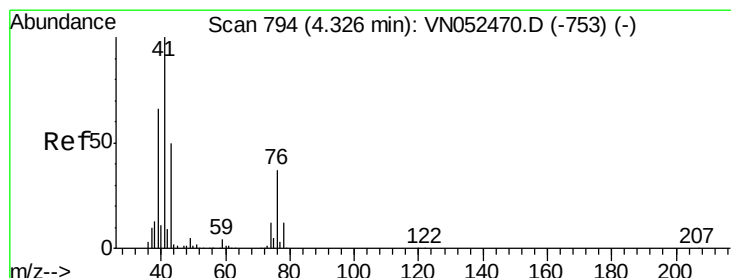
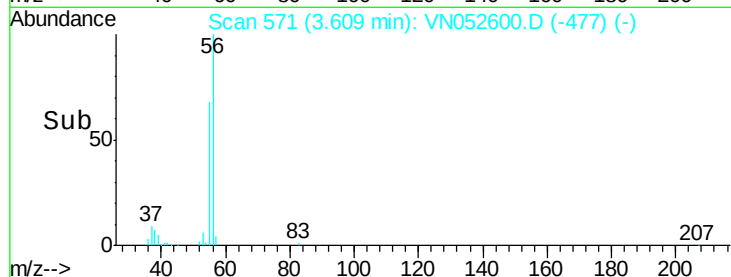
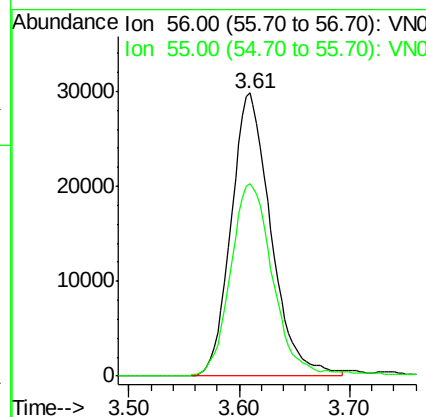
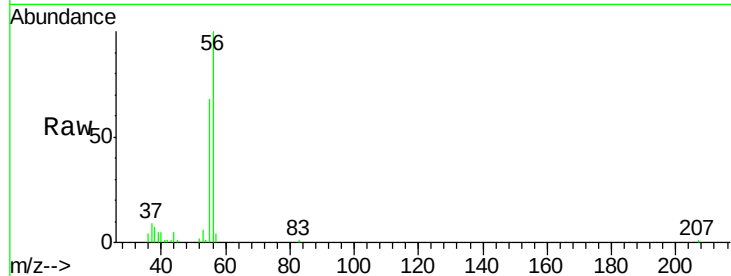
55 70.9 56.8 85.2

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#14

Allyl chloride

Concen: 18.917 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

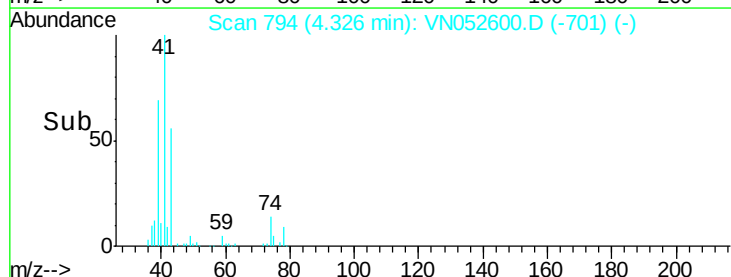
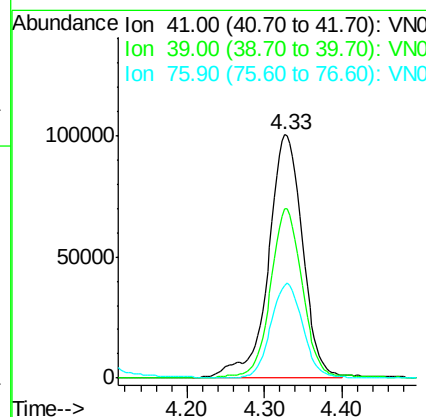
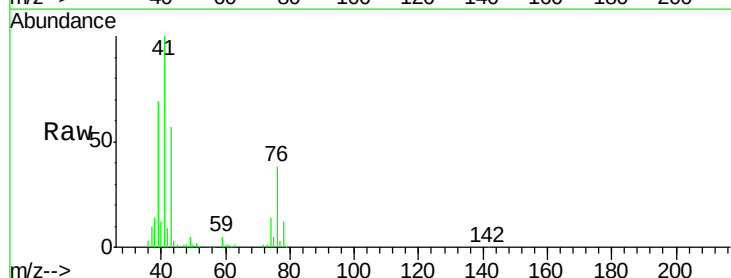
Tgt Ion: 41 Resp: 308094

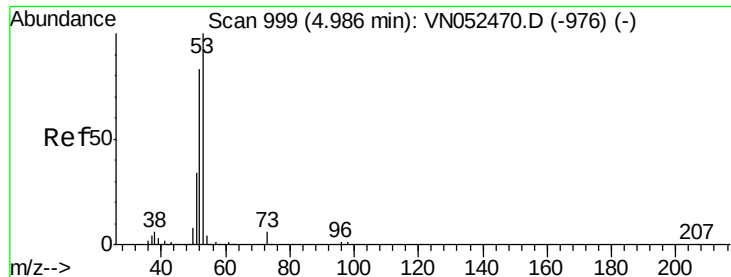
Ion Ratio Lower Upper

41 100

39 64.8 50.6 76.0

76 35.9 27.4 41.2





#15

Acrylonitrile

Concen: 100.487 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

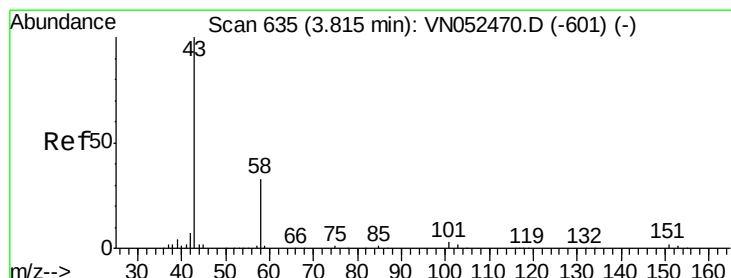
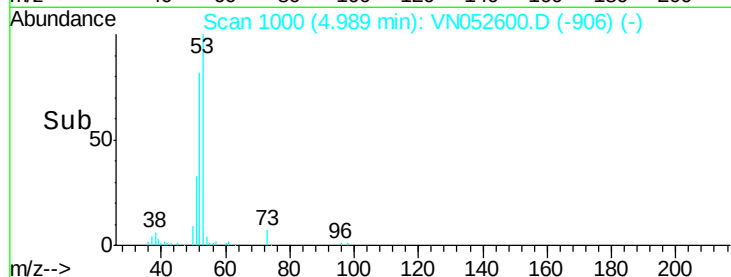
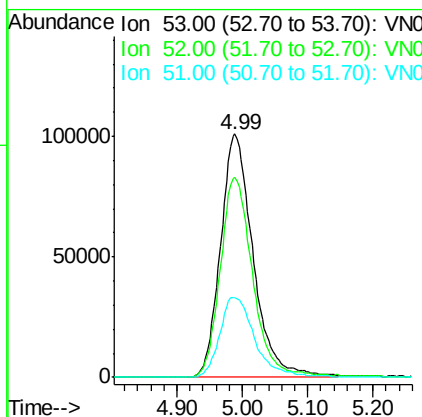
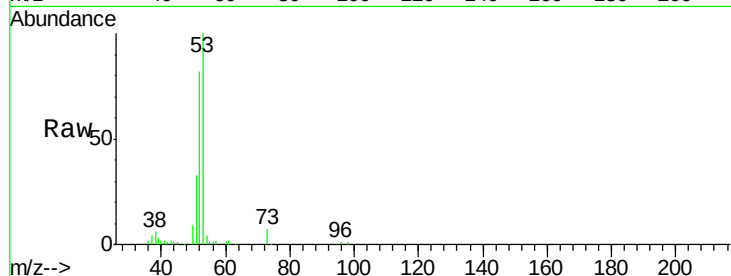
ClientSampleId :

VN1130WBS02

Tgt Ion:	53	Resp:	349782
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	35.1	28.1	42.1

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#16

Acetone

Concen: 92.237 ug/l

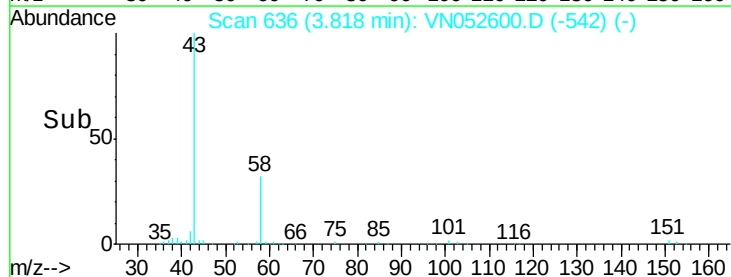
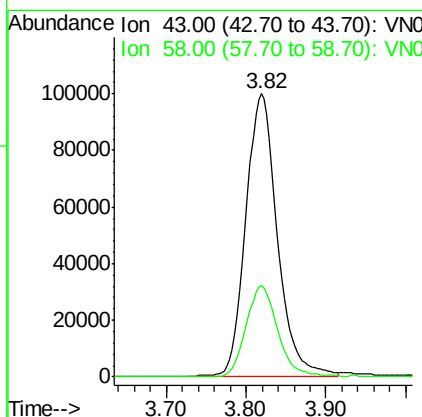
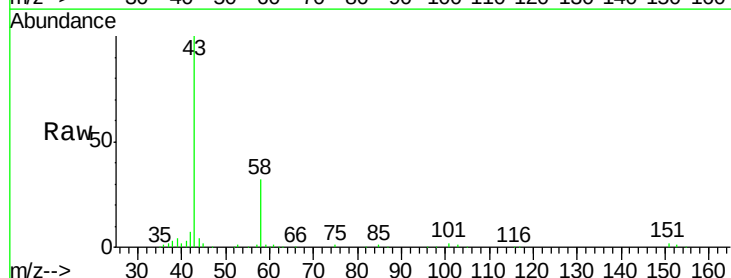
RT: 3.82 min Scan# 636

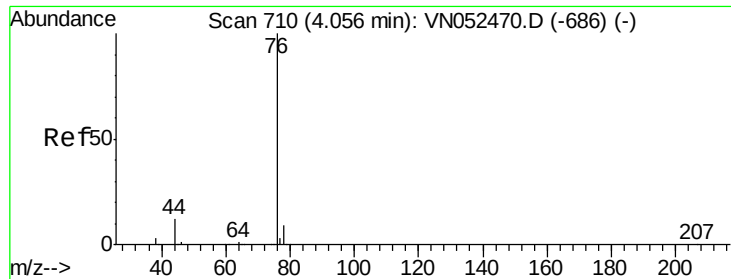
Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	43	Resp:	267223
Ion	Ratio	Lower	Upper
43	100		
58	32.4	26.0	39.0





#17

Carbon Disulfide

Concen: 17.153 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 76 Resp: 510097

Ion Ratio Lower Upper

76 100

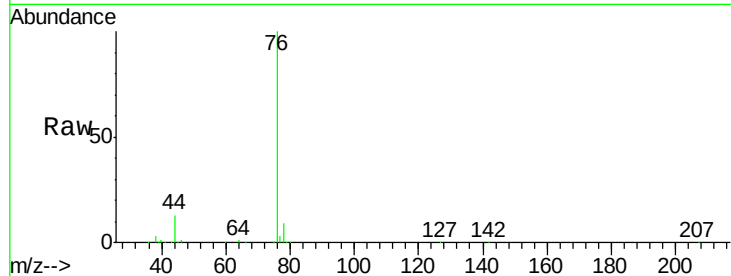
78 8.9 7.4 11.0

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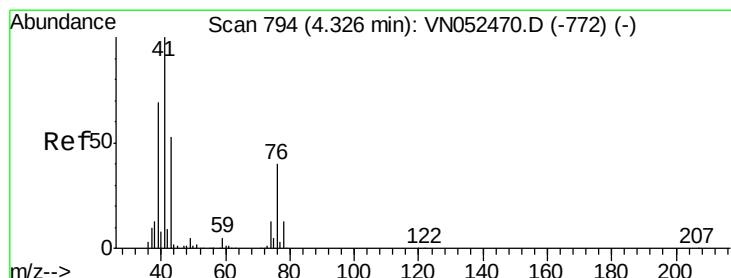
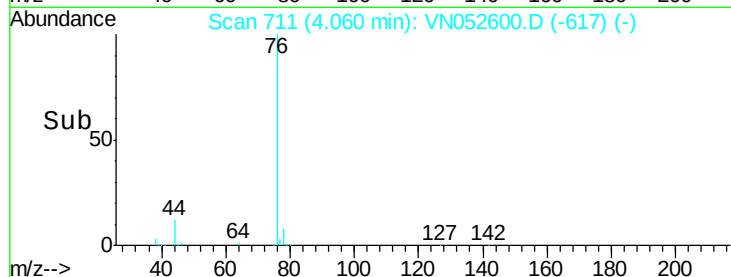
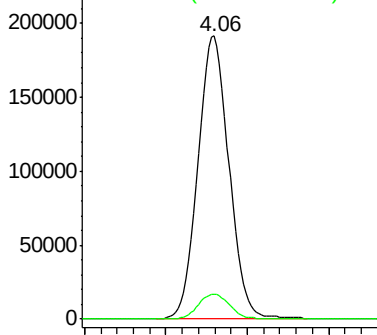
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.945 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052600.D

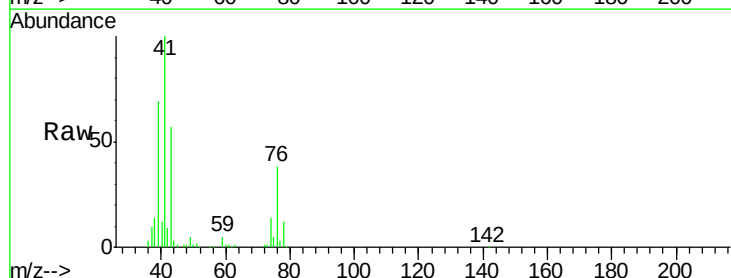
Acq: 30 Nov 2018 12:14

Tgt Ion: 43 Resp: 165753

Ion Ratio Lower Upper

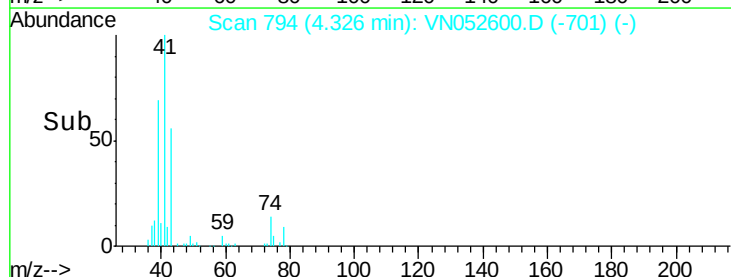
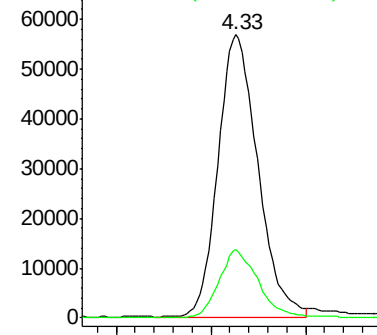
43 100

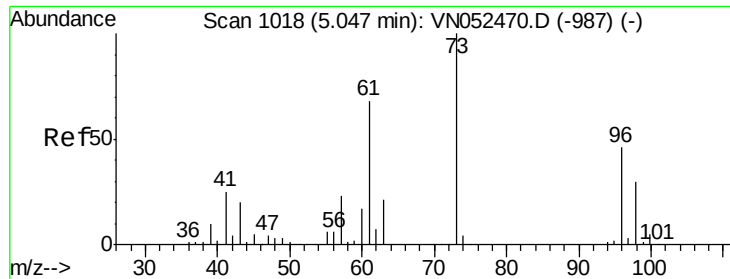
74 23.8 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





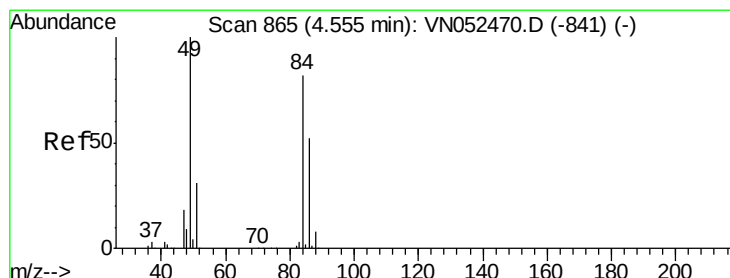
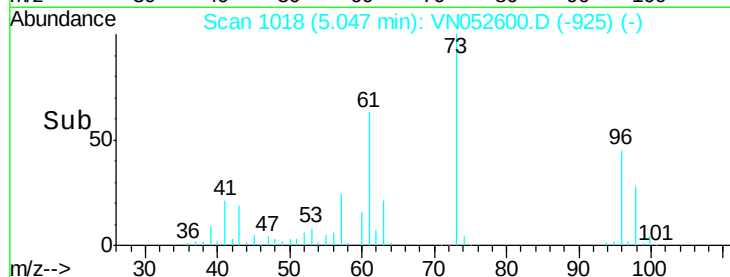
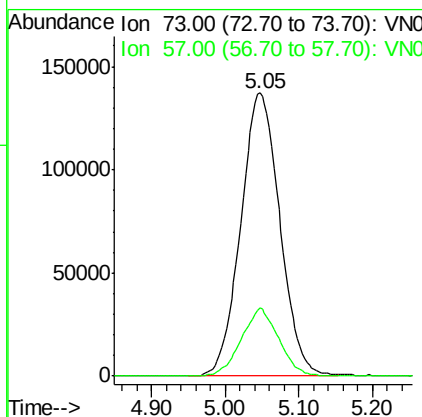
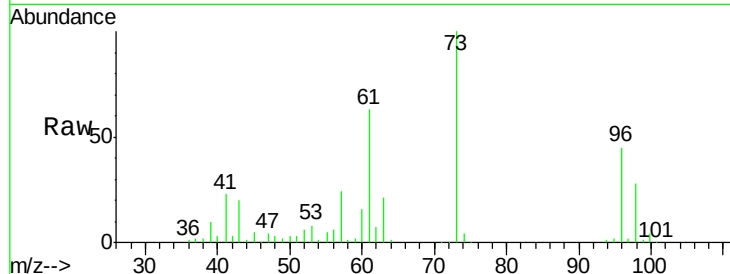
#19
Methyl tert-butyl Ether
Concen: 20.180 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion: 73 Resp: 507376
Ion Ratio Lower Upper
73 100
57 24.1 18.2 27.2

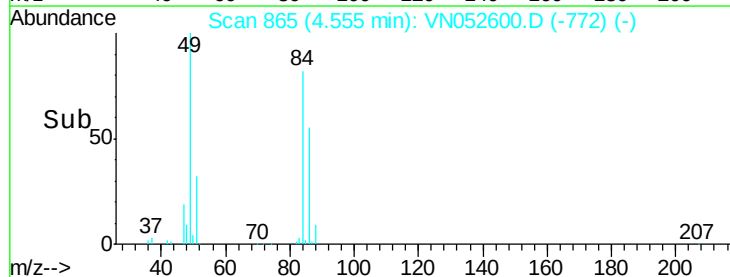
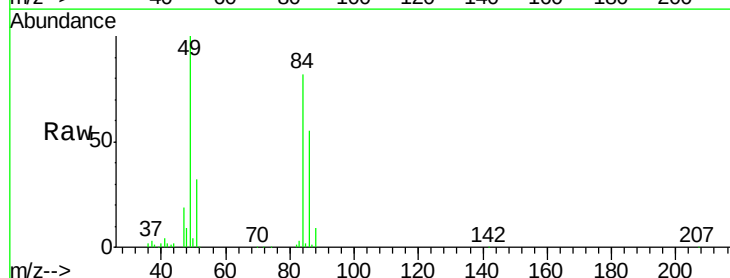
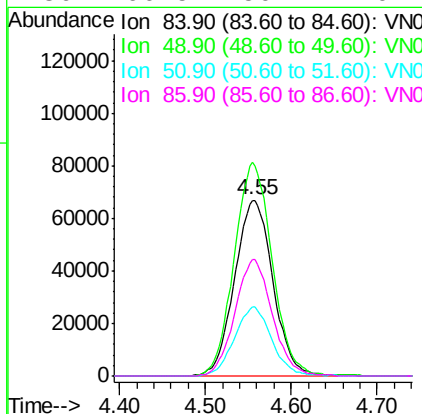
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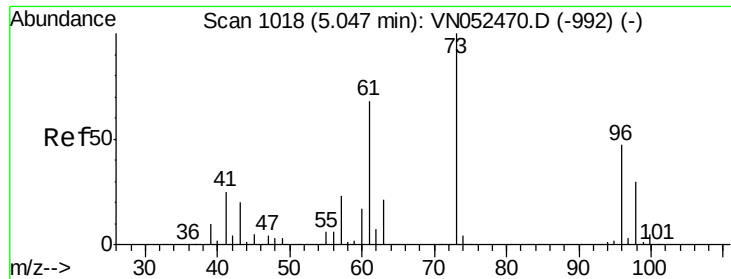
MMDadoda
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#20
Methylene Chloride
Concen: 18.284 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion: 84 Resp: 207292
Ion Ratio Lower Upper
84 100
49 121.7 98.0 147.0
51 39.2 30.1 45.1
86 66.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.018 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

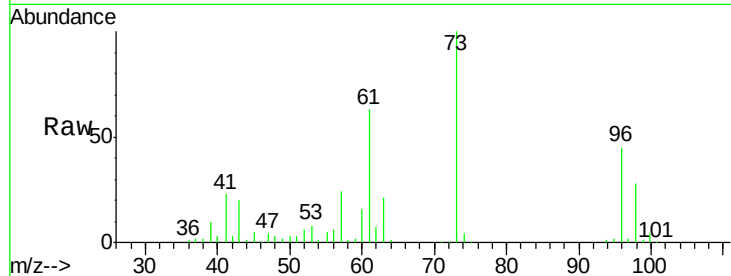
ClientSampleId :

VN1130WBS02

Tgt Ion:	96	Resp:	191942
Ion	Ratio	Lower	Upper
96	100		
61	141.3	117.0	175.4
98	63.0	51.8	77.6

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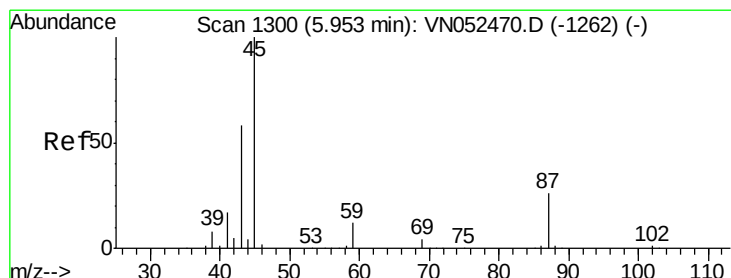
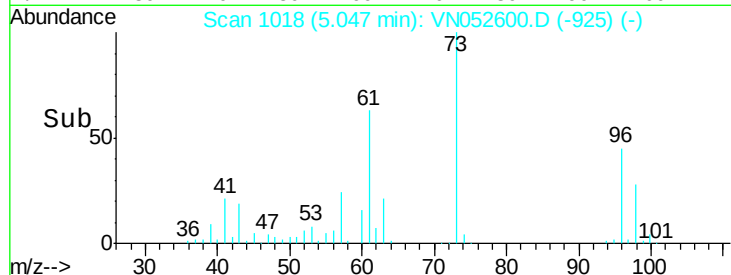
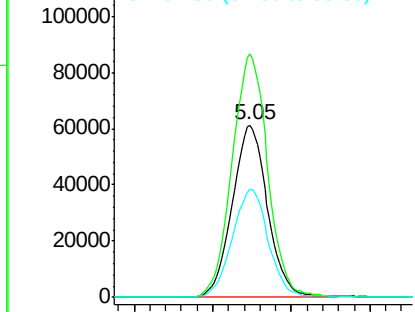


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.360 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	45	Resp:	662306
Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.1	69.1
87	27.1	21.3	31.9
59	11.4	9.5	14.3

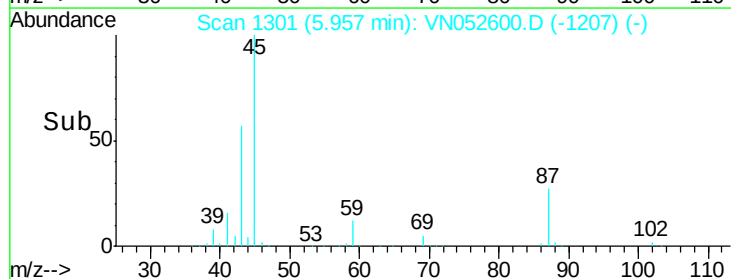
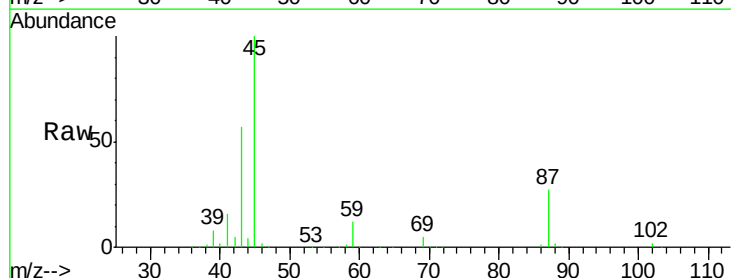
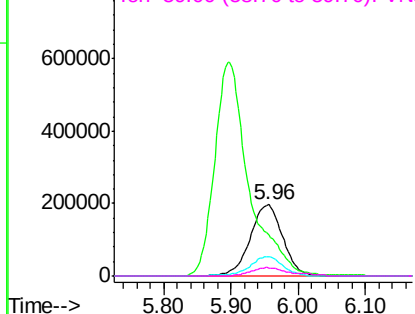
Abundance

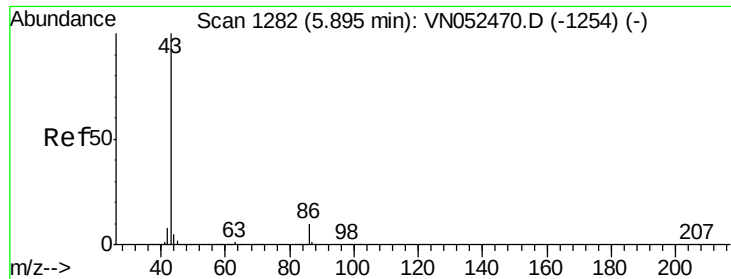
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





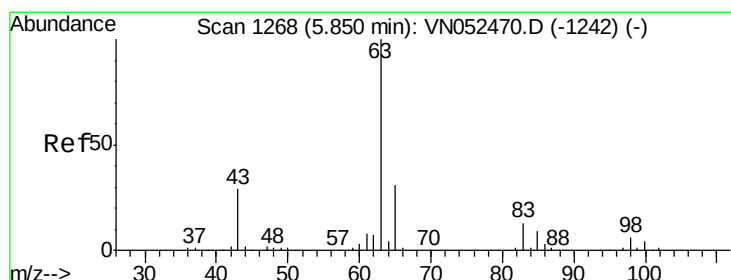
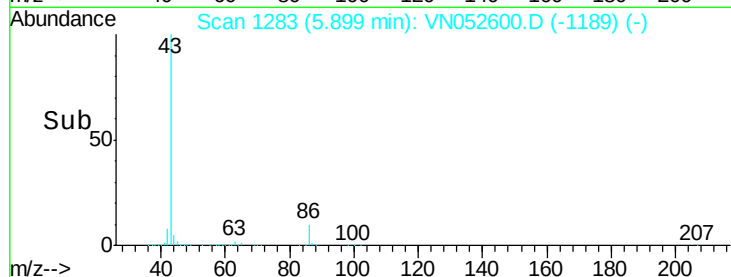
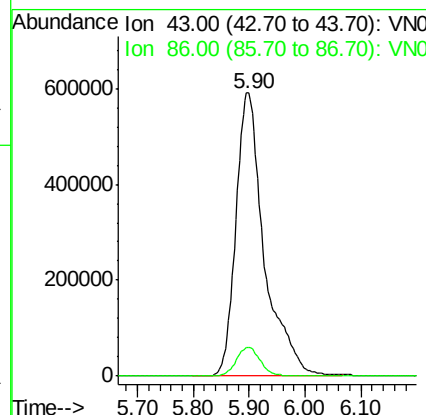
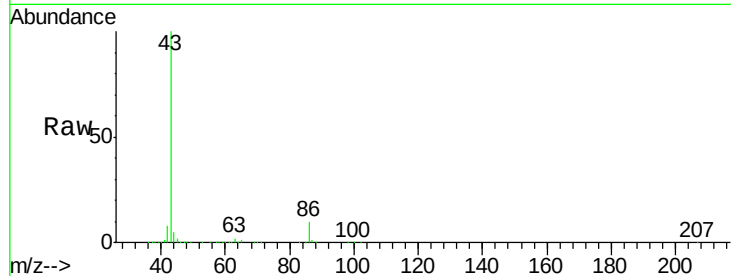
#23
 Vinyl Acetate
 Concen: 98.203 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion: 43 Resp: 2092557
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

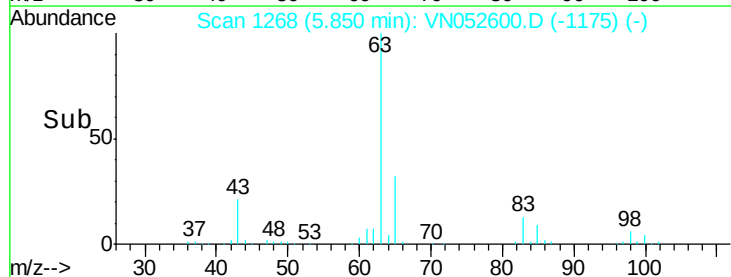
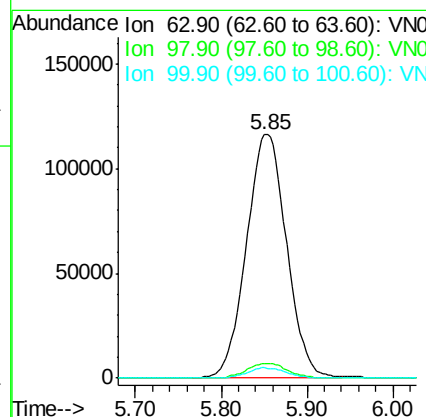
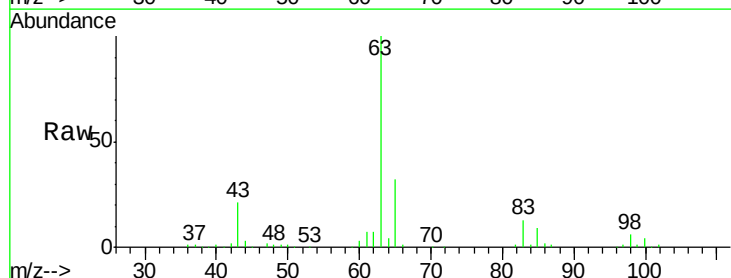
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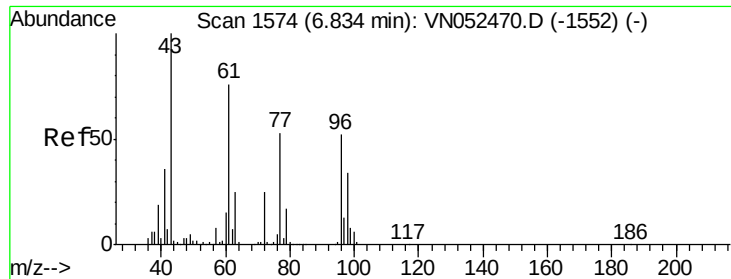
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#24
 1,1-Dichloroethane
 Concen: 19.334 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion: 63 Resp: 377649
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.1 2.0 5.8





#25

2-Butanone

Concen: 97.716 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 43 Resp: 401260

Ion Ratio Lower Upper

43 100

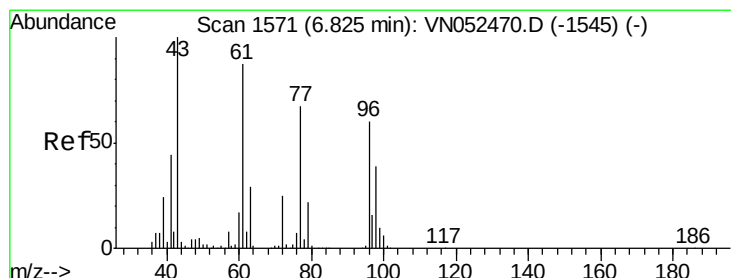
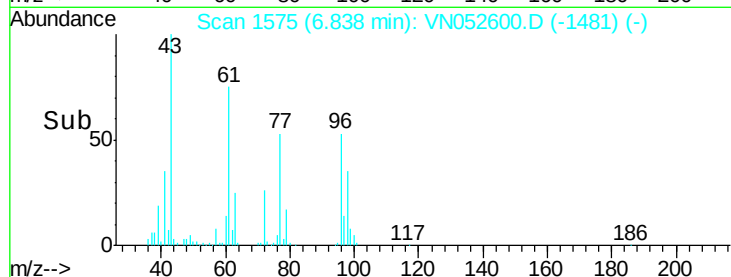
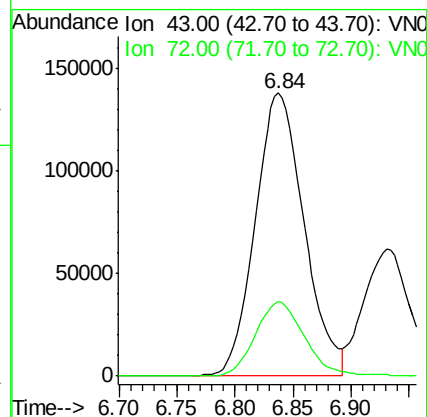
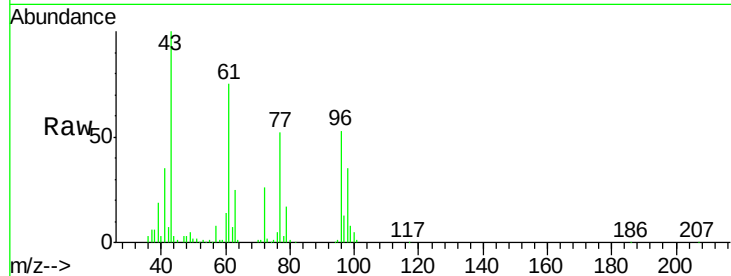
72 26.4 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 19.155 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052600.D

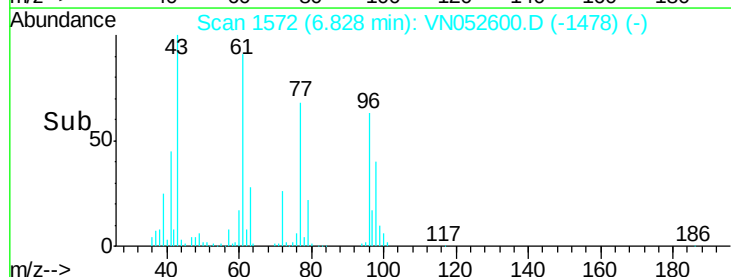
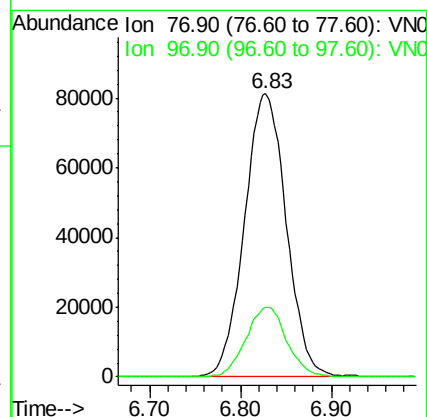
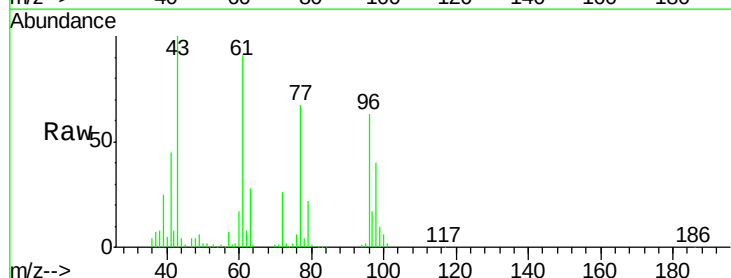
Acq: 30 Nov 2018 12:14

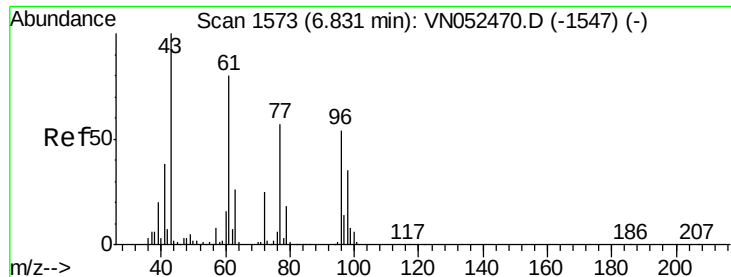
Tgt Ion: 77 Resp: 258986

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.307 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

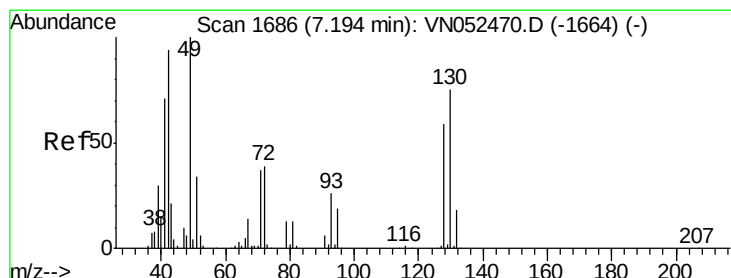
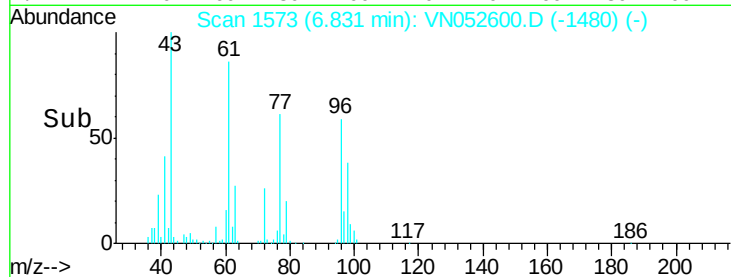
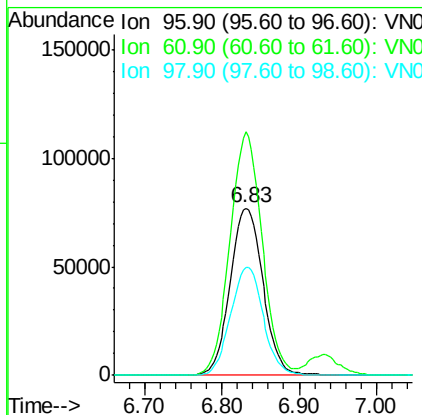
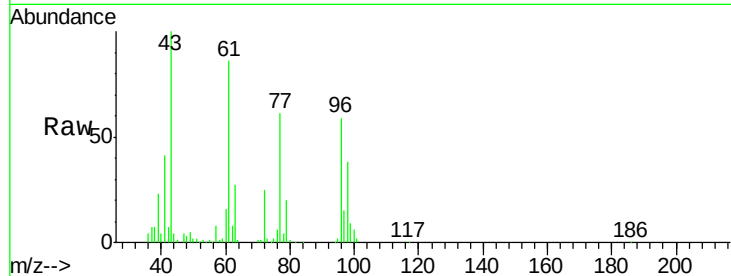
ClientSampleId :

VN1130WBS02

Tgt Ion:	96	Resp:	226990
Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	291.0
98	64.1	0.0	130.0

Manual Integrations
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12/3/2018 10:49:33 AM



#28

Bromochloromethane

Concen: 20.030 ug/l

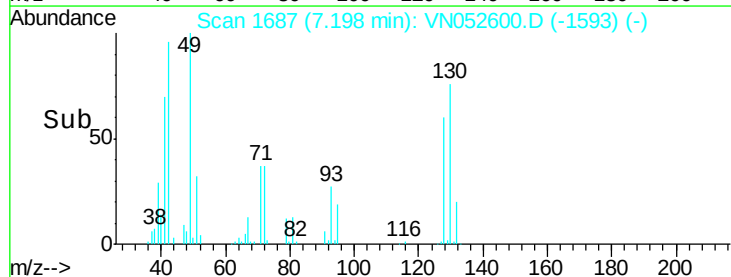
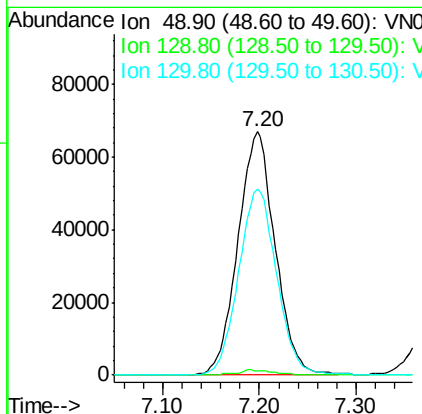
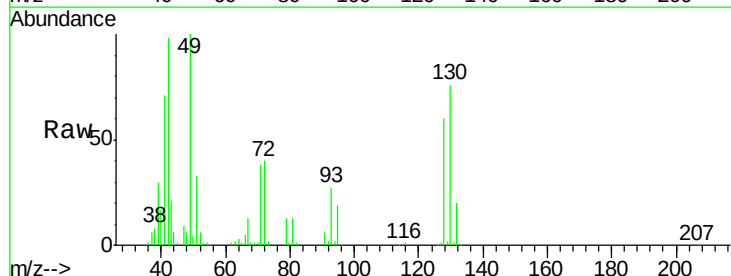
RT: 7.20 min Scan# 1687

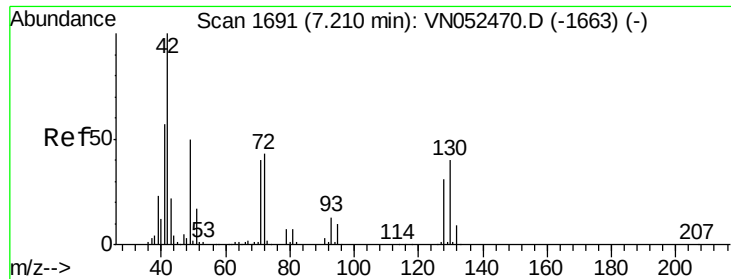
Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	49	Resp:	178702
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	78.5	60.2	90.2





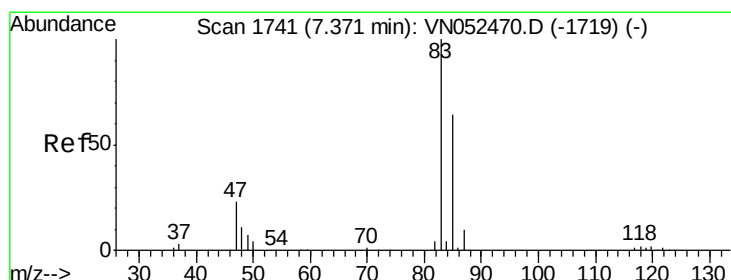
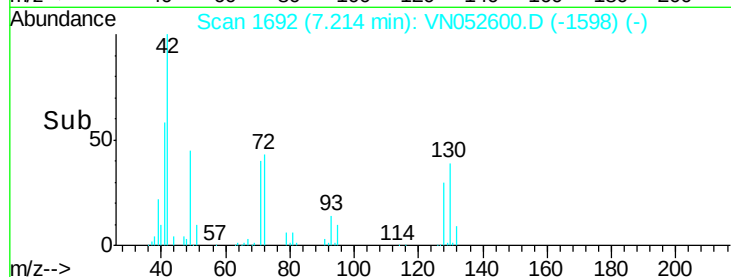
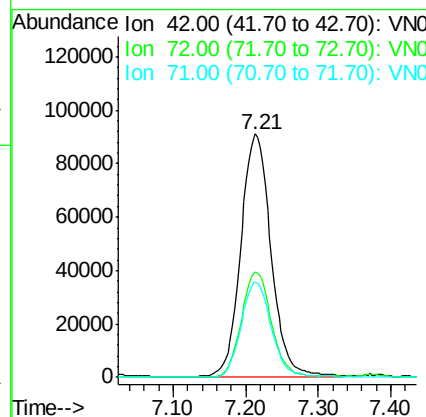
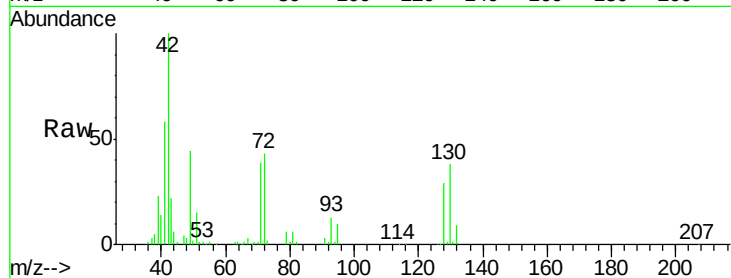
#29
Tetrahydrofuran
Concen: 99.603 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.3	49.9
71	38.9	32.0	48.0

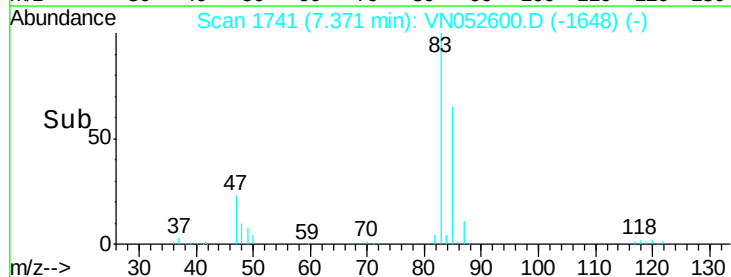
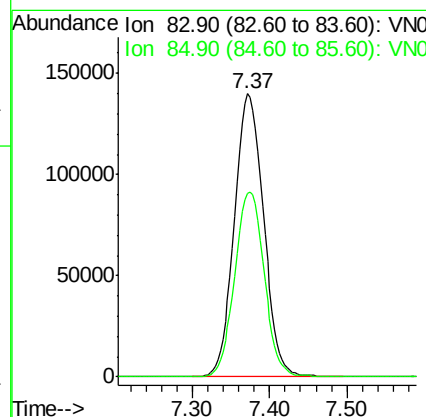
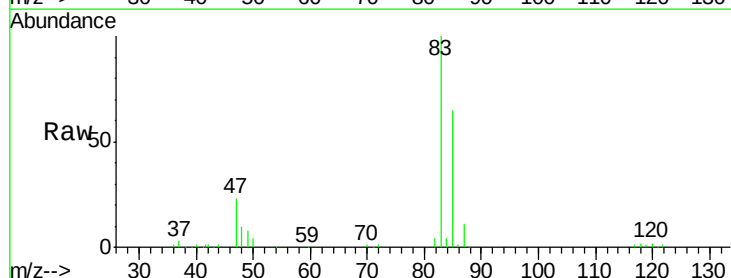
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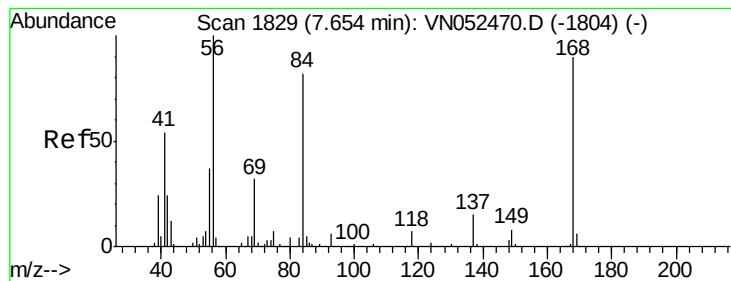
MMDadoda
12/3/2018 10:49:33 AM



#30
Chloroform
Concen: 18.813 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.0	76.4





#31

Cyclohexane

Concen: 18.525 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 56 Resp: 354587
Ion Ratio Lower Upper

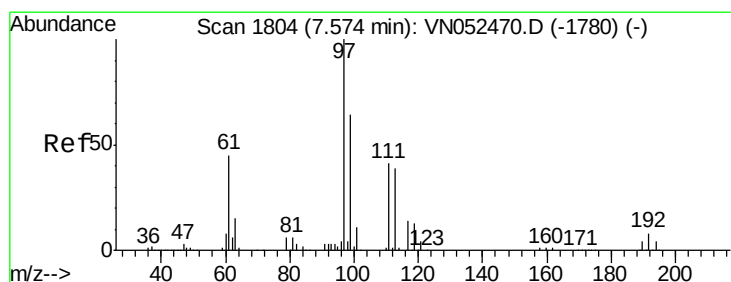
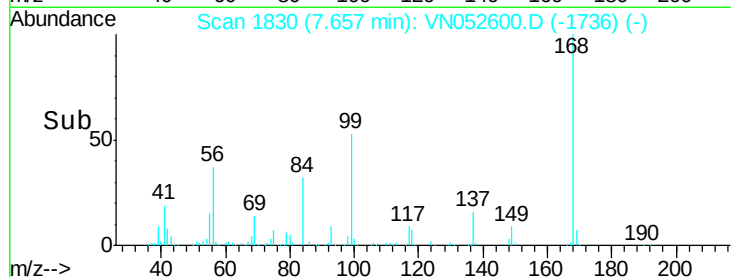
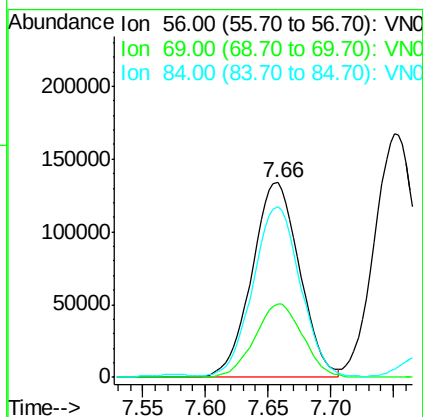
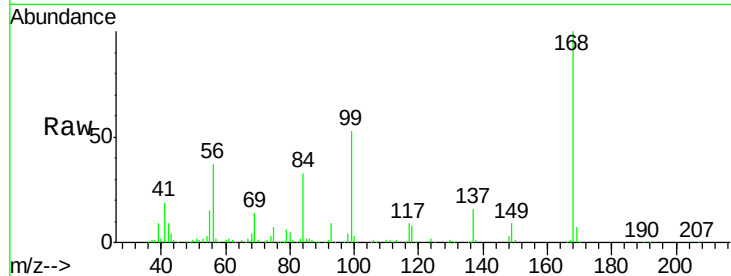
56 100

69 37.6 25.8 38.6

84 86.7 65.3 97.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.515 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052600.D

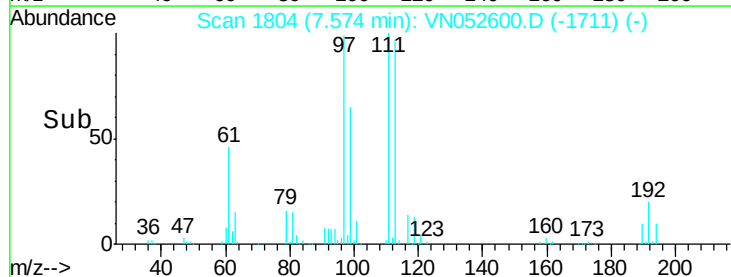
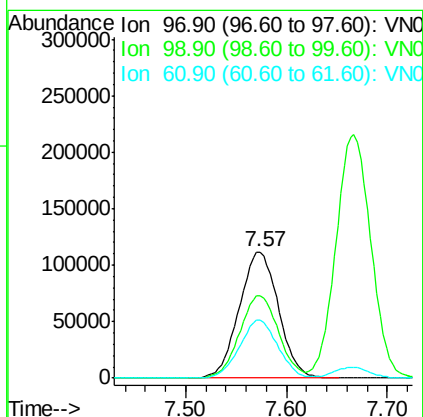
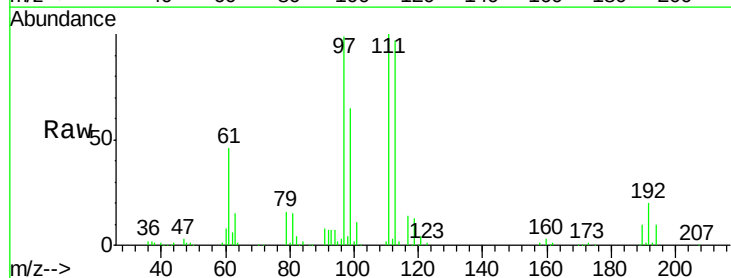
Acq: 30 Nov 2018 12:14

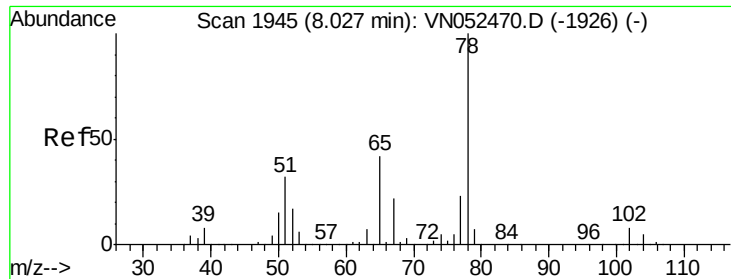
Tgt Ion: 97 Resp: 301317
Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

61 44.9 36.8 55.2





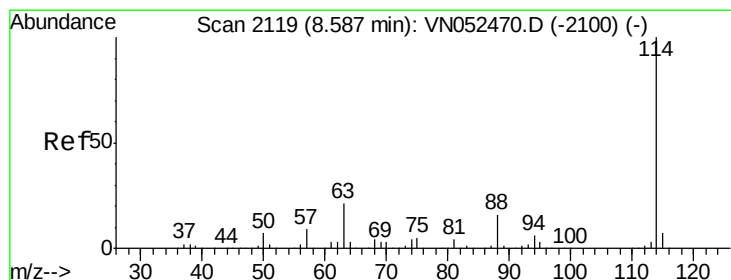
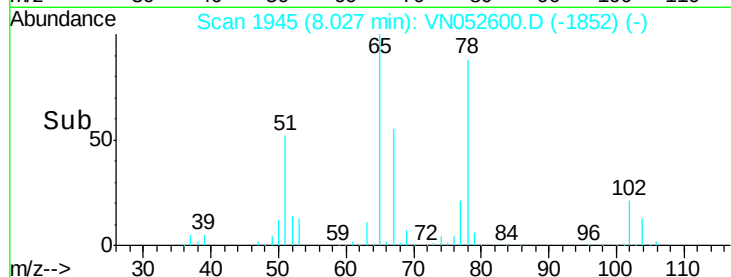
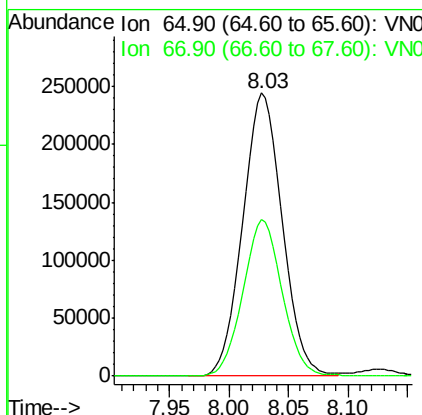
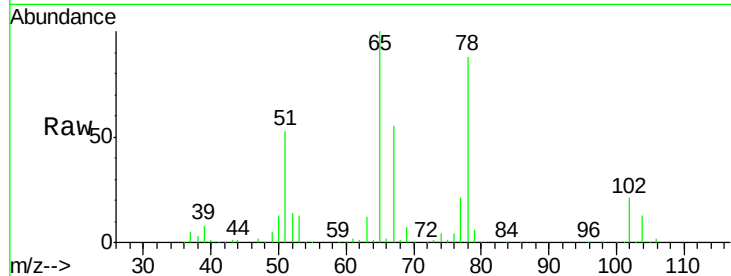
#33
 1,2-Dichloroethane-d4
 Concen: 19.515 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130WBS02

Tgt Ion: 65 Resp: 562555
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.8

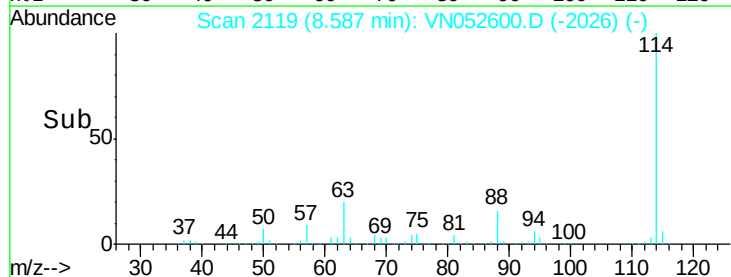
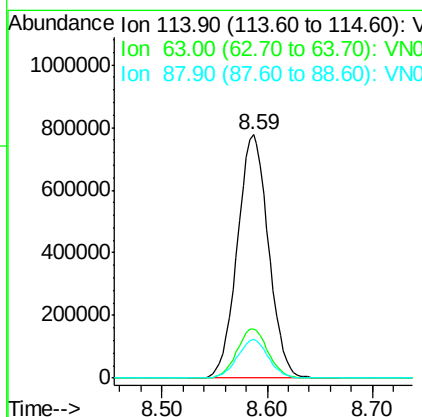
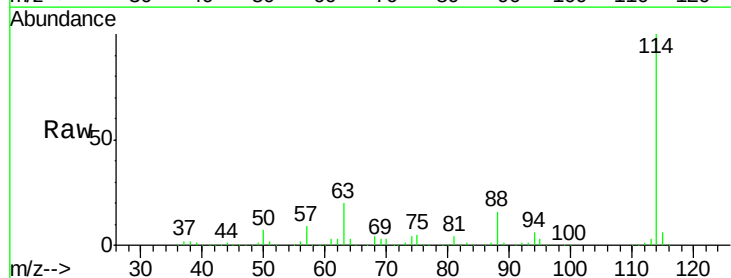
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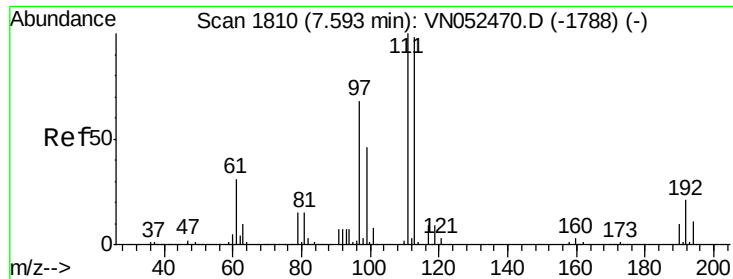
MMDadoda
 12/3/2018 10:49:33 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion: 114 Resp: 1588367
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.8
 88 15.8 0.0 31.6





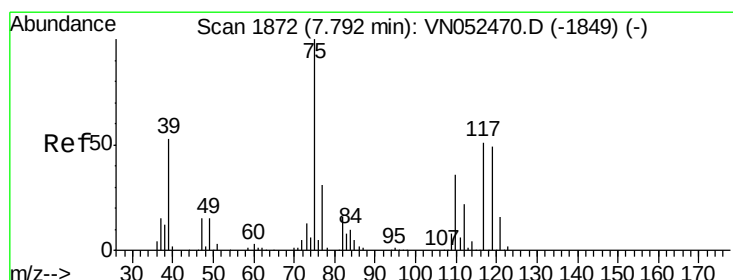
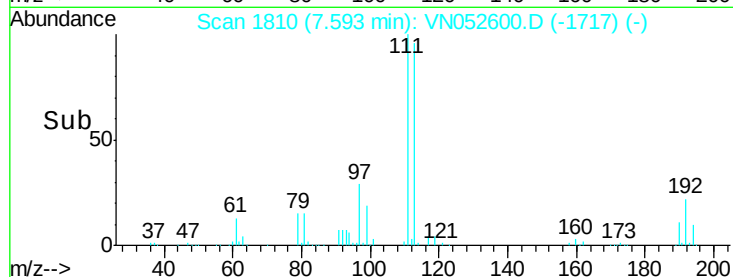
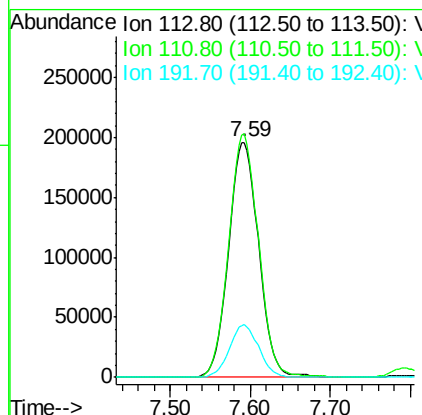
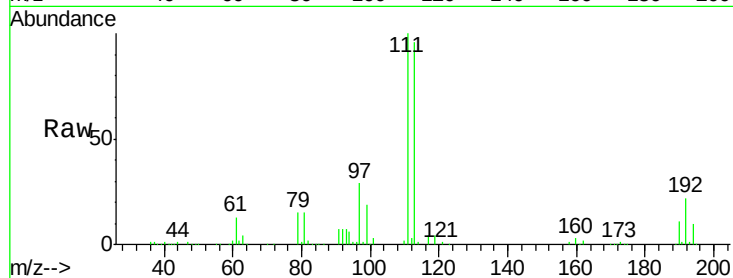
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	502551		
111	102.8	82.0	123.0	
192	21.8	17.0	25.6	

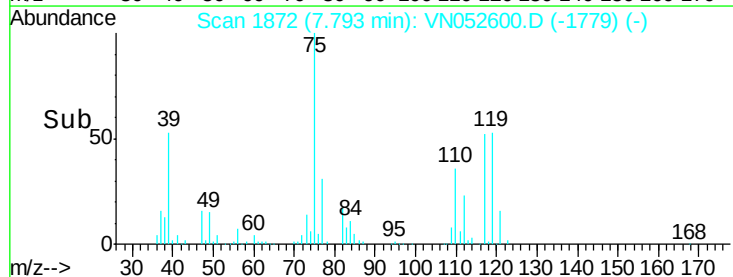
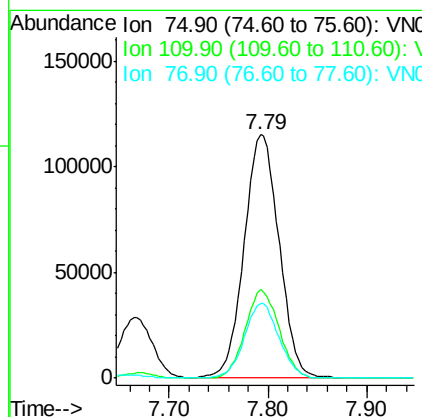
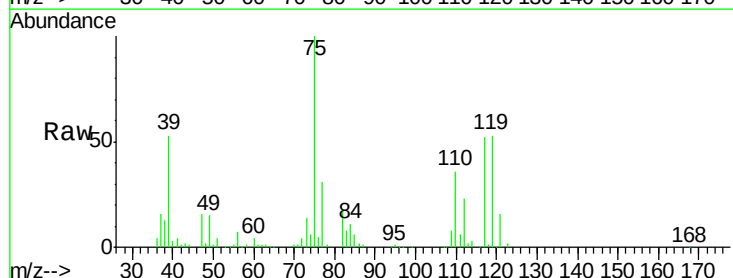
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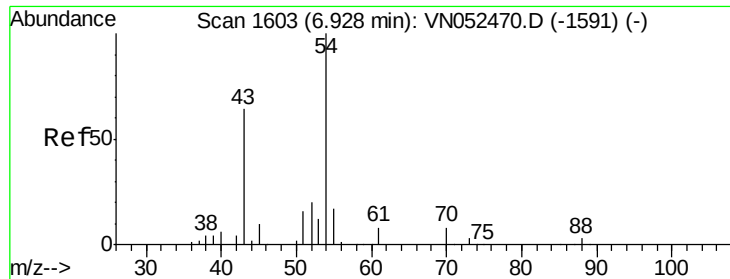
MMDadoda
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#36
1,1-Dichloropropene
Concen: 18.681 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280196		
110	35.4	17.5	52.6	
77	30.7	24.5	36.7	





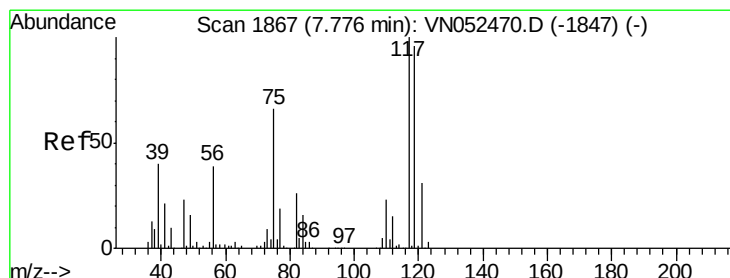
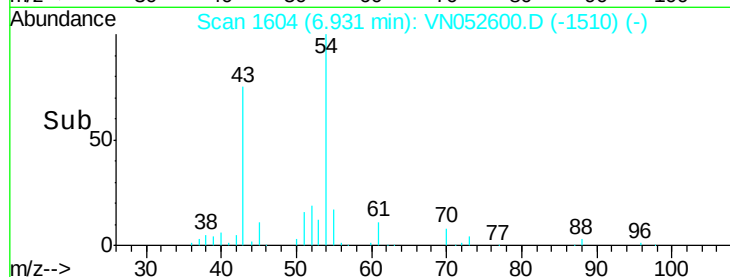
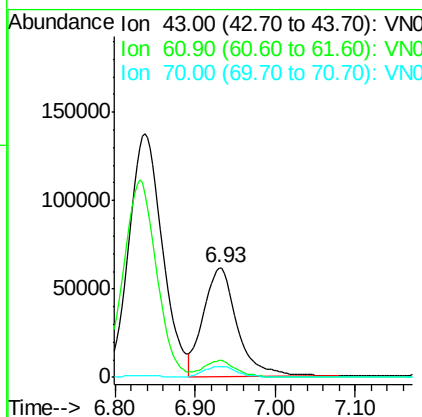
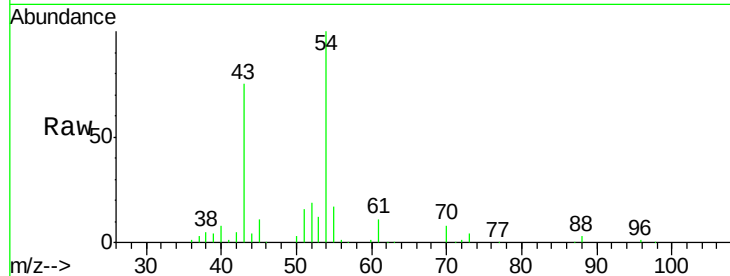
#37
Ethyl Acetate
Concen: 19.746 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.8	17.8
70	10.3	7.8	11.8

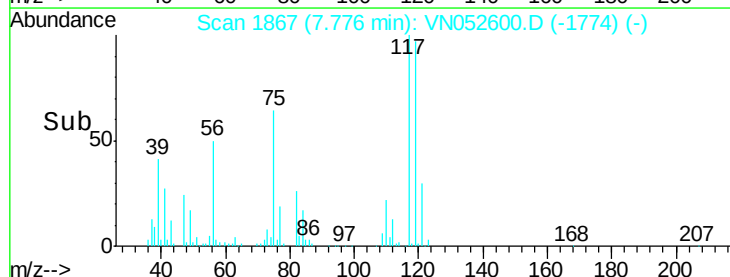
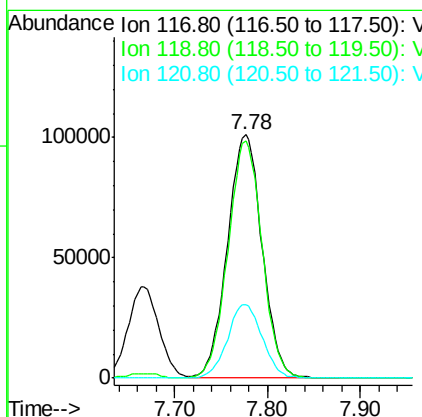
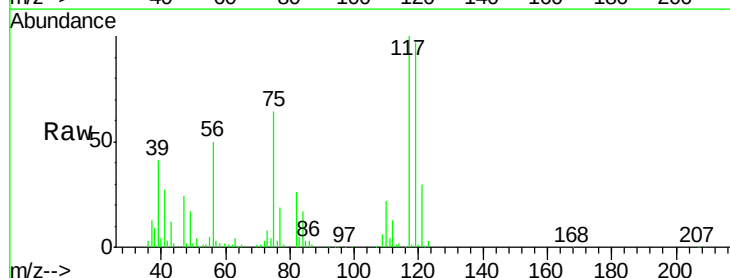
Manual Integrations
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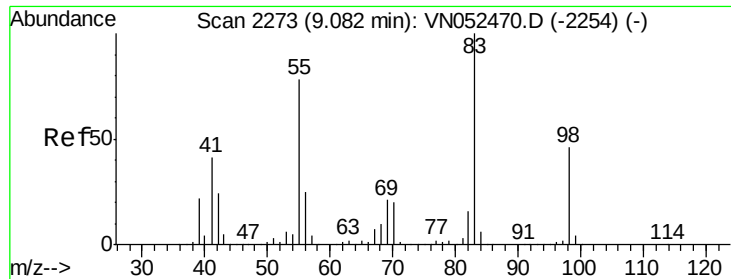
MMDadoda
12/3/2018 10:49:33 AM



#38
Carbon Tetrachloride
Concen: 19.316 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.8	115.2
121	30.2	24.9	37.3





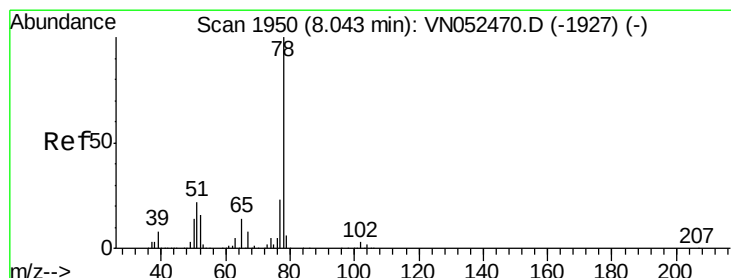
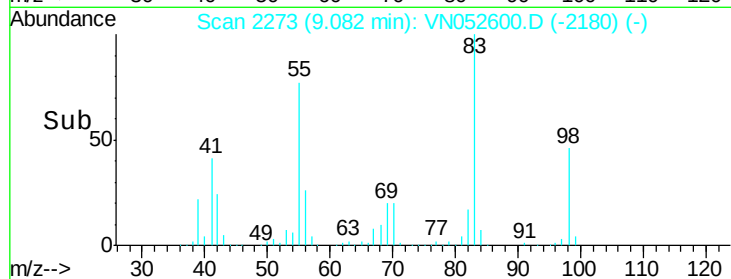
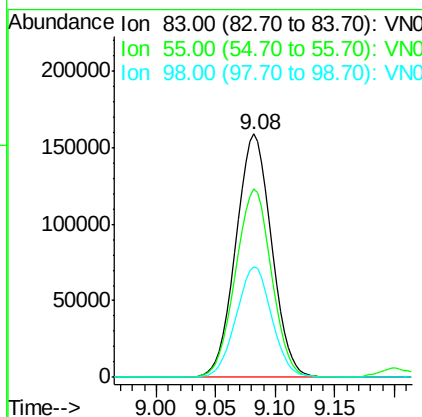
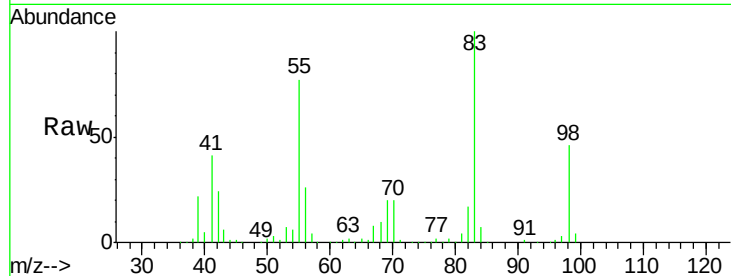
#39
Methylcyclohexane
Concen: 18.156 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.2	62.2	93.2
98	45.6	36.4	54.6

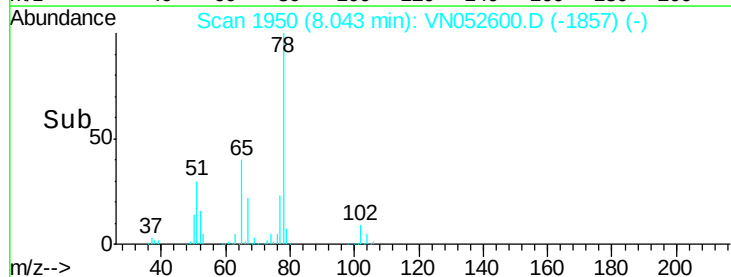
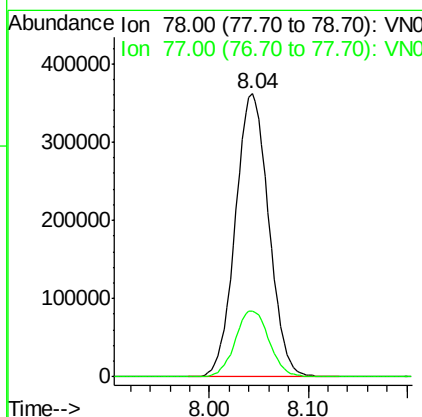
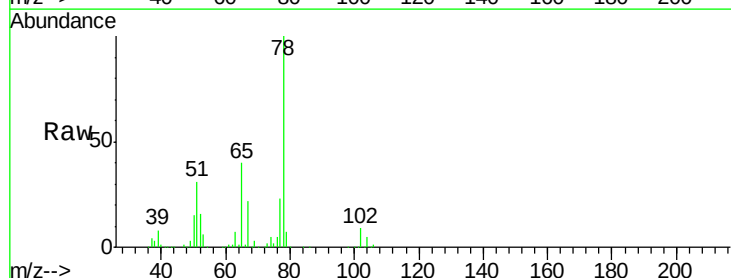
Manual Integrations
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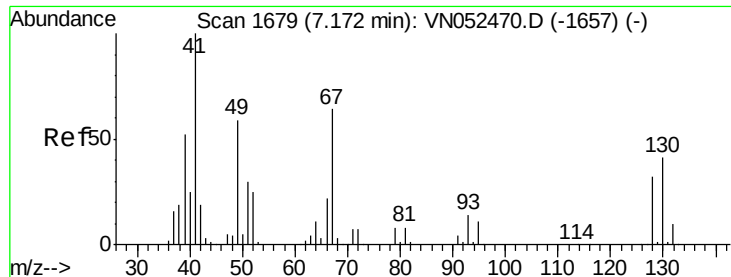
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12/3/2018 10:49:33 AM



#40
Benzene
Concen: 18.993 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





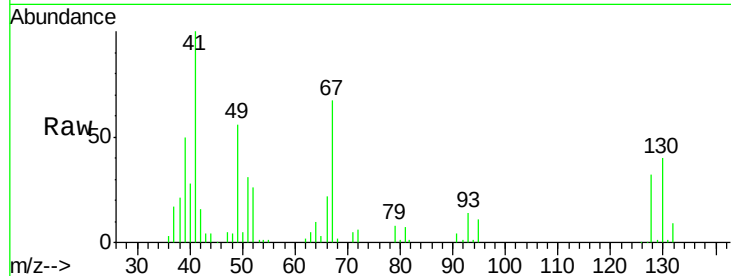
#41
Methacrylonitrile
Concen: 19.361 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampled :
VN1130WBS02

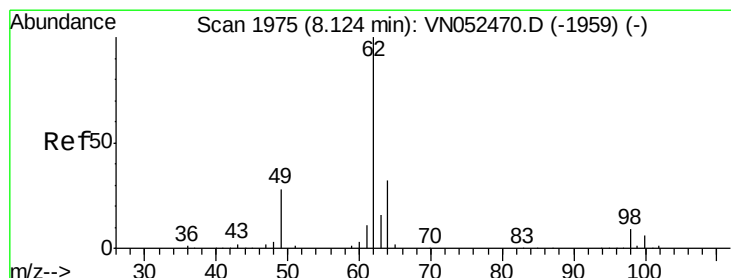
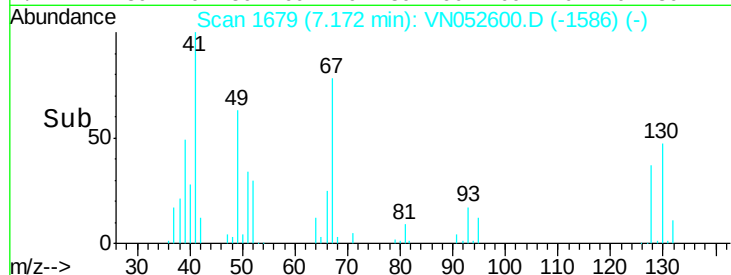
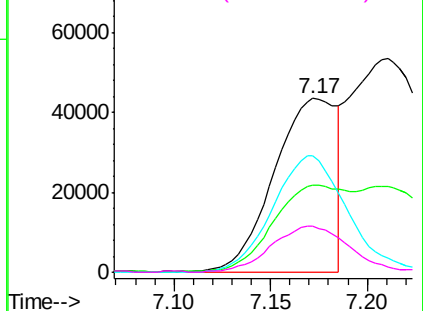
Tgt Ion	Ratio	Lower	Upper
41	100		
39	63.4	50.9	76.3
67	81.6	63.6	95.4
52	34.1	24.4	36.6

Manual Integrations
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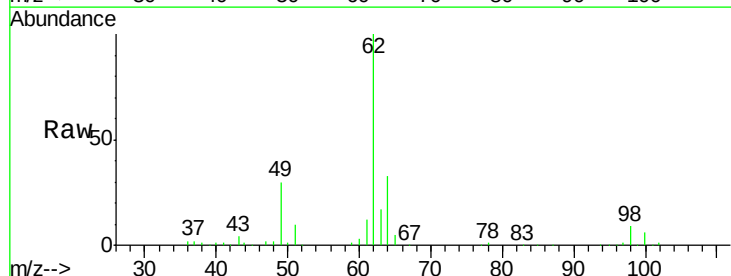


Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-1657) (-)
Ion 39.00 (38.70 to 39.70): VN052470.D (-1657) (-)
Ion 67.00 (66.70 to 67.70): VN052470.D (-1657) (-)
Ion 52.00 (51.70 to 52.70): VN052470.D (-1657) (-)

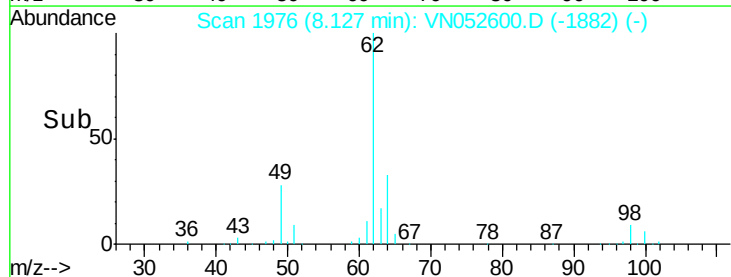
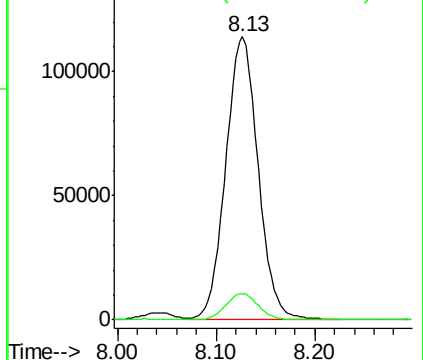


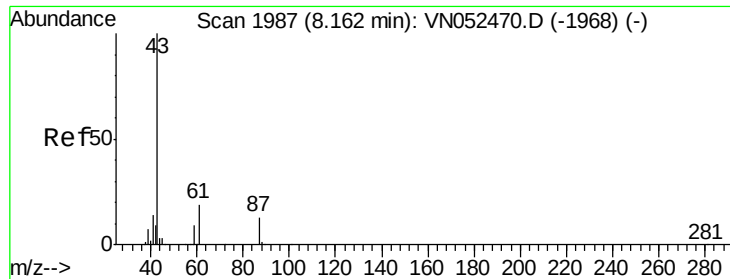
#42
1,2-Dichloroethane
Concen: 19.264 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN052470.D (-1959) (-)
Ion 97.90 (97.60 to 98.60): VN052470.D (-1959) (-)





#43

Isopropyl Acetate

Concen: 20.224 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

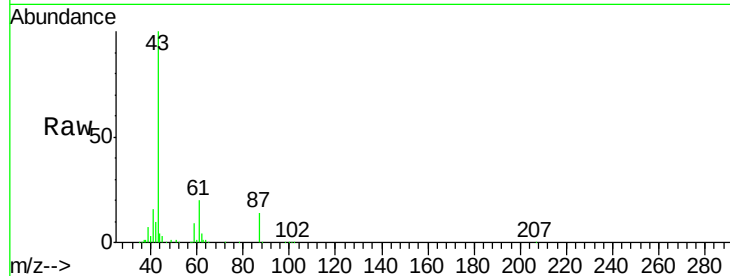
ClientSampleId :

VN1130WBS02

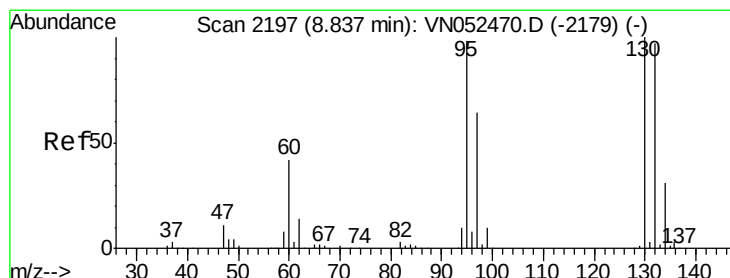
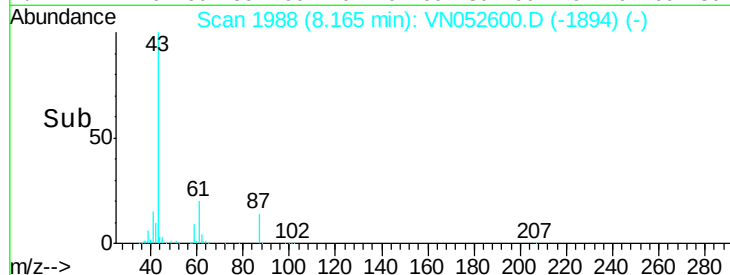
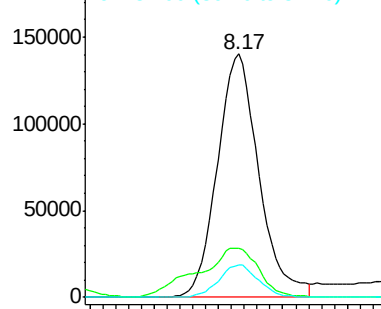
Tgt Ion:	43	Resp:	313301
Ion	Ratio	Lower	Upper
43	100		
61	29.3	24.1	36.1
87	13.0	10.6	15.8

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



#44

Trichloroethene

Concen: 19.357 ug/l

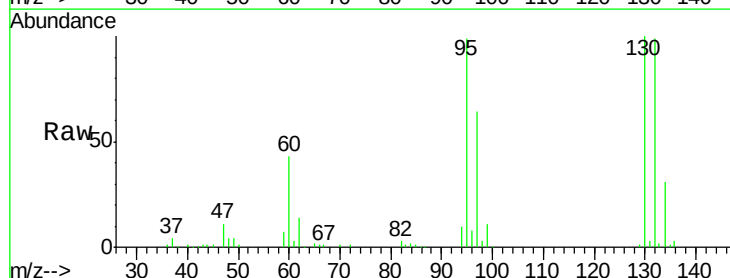
RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

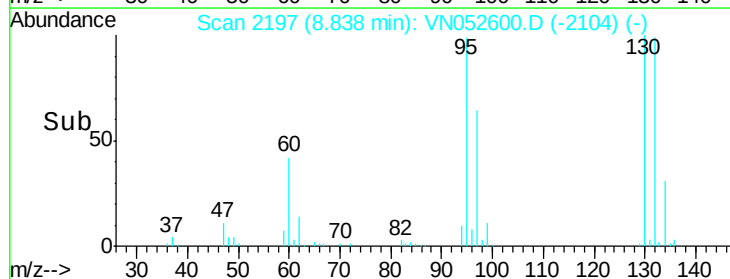
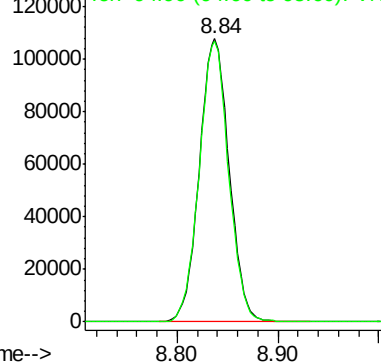
Lab File: VN052600.D

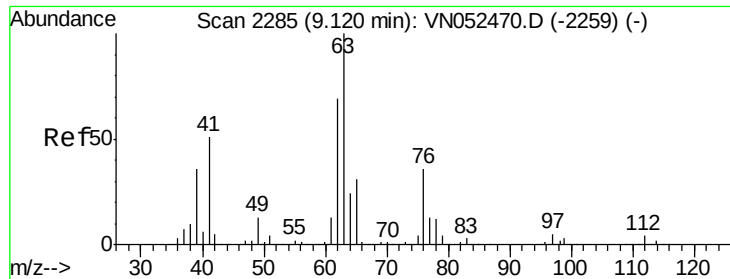
Acq: 30 Nov 2018 12:14

Tgt Ion:	130	Resp:	221637
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	195.6



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





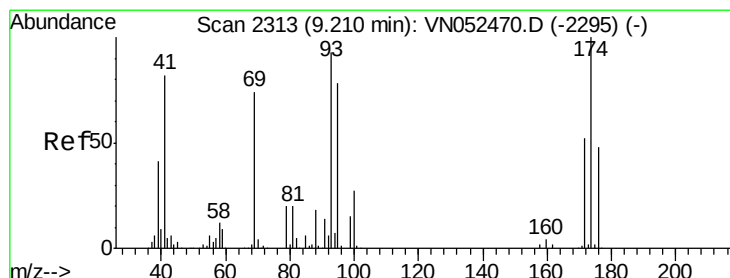
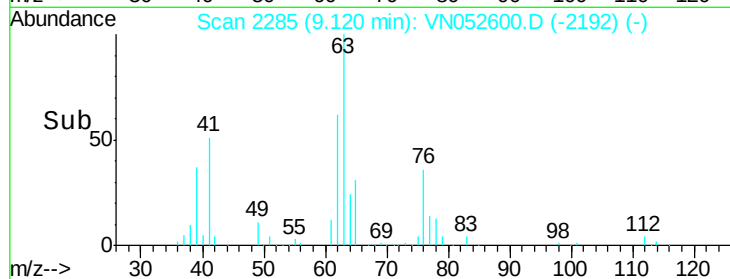
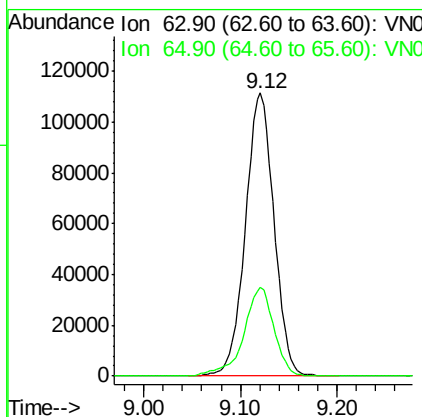
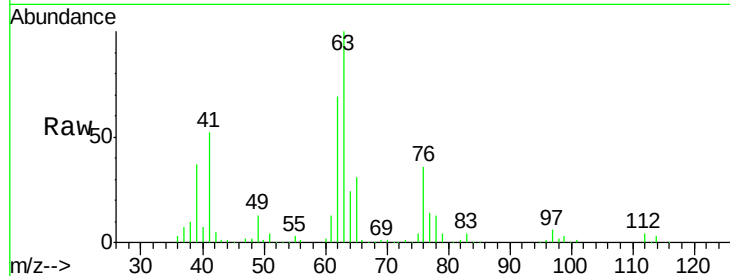
#45
 1,2-Dichloropropane
 Concen: 19.250 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion: 63 Resp: 228771
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

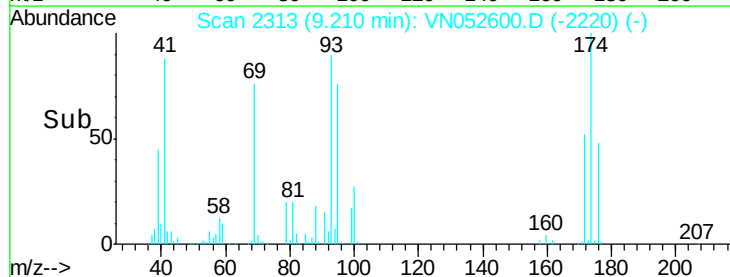
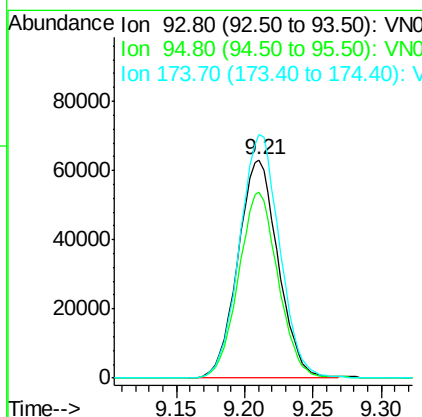
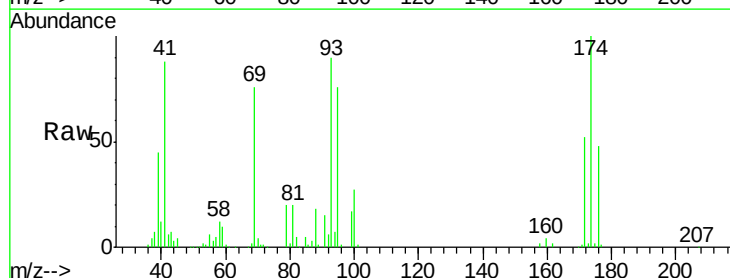
Manual Integrations
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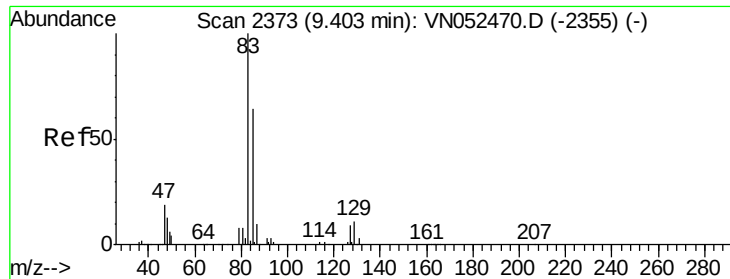
MMDadoda
 12/3/2018 10:49:33 AM



#46
 Dibromomethane
 Concen: 19.623 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion: 93 Resp: 129098
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.1 100.7
 174 111.1 85.8 128.8





#47

Bromodichloromethane

Concen: 19.378 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

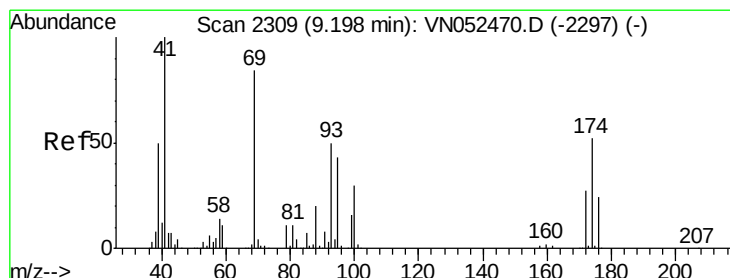
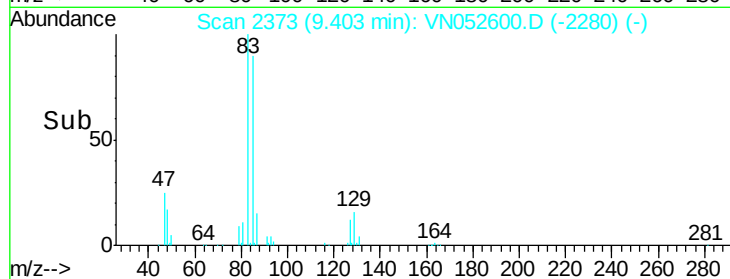
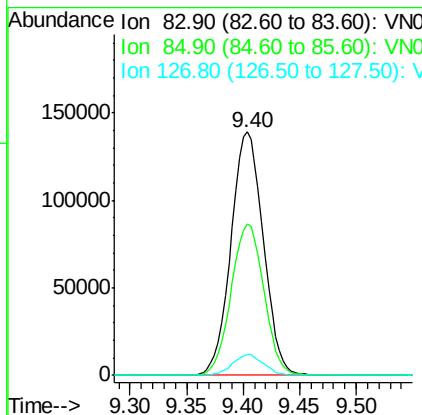
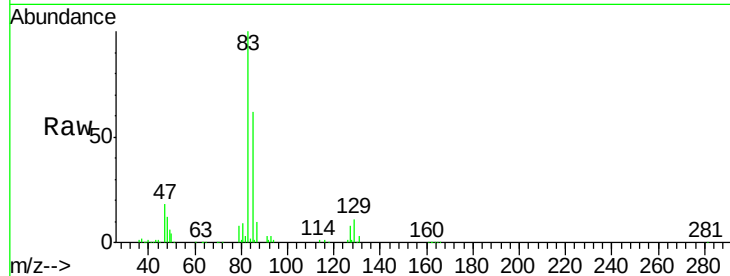
ClientSampleId :

VN1130WBS02

Tgt Ion:	83	Resp:	277175
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.3	76.9
127	8.4	6.9	10.3

Manual Integrations
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MMDadoda
12/3/2018 10:49:33 AM



#48

Methyl methacrylate

Concen: 20.210 ug/l

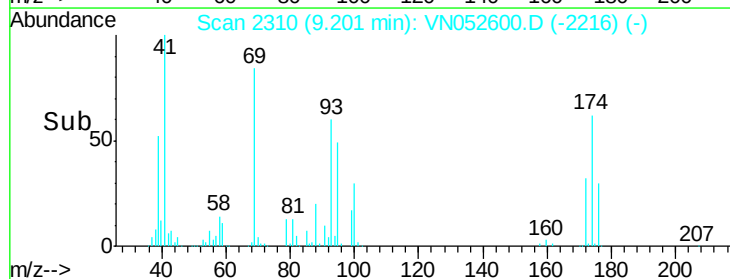
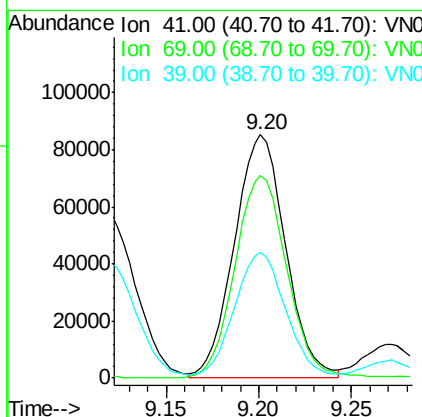
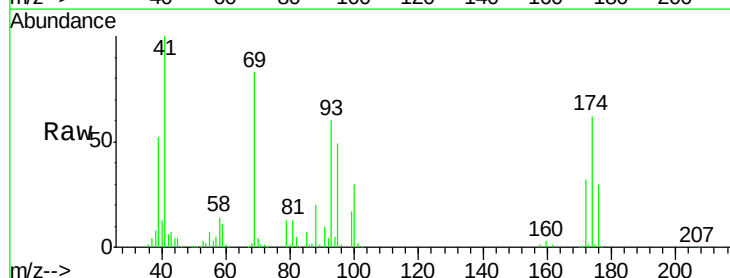
RT: 9.20 min Scan# 2310

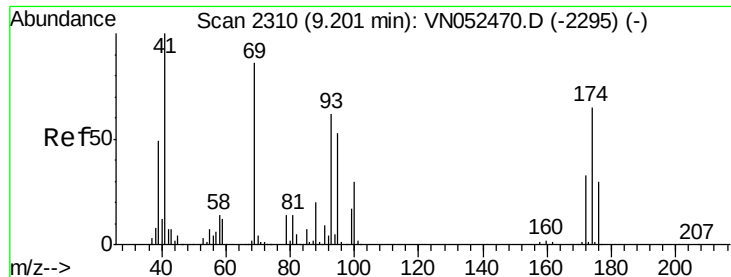
Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	41	Resp:	163248
Ion	Ratio	Lower	Upper
41	100		
69	85.1	70.0	105.0
39	51.6	42.6	64.0





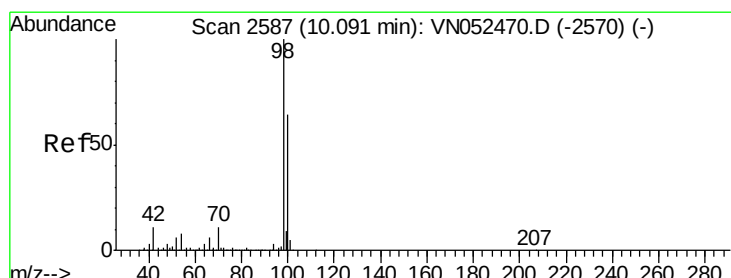
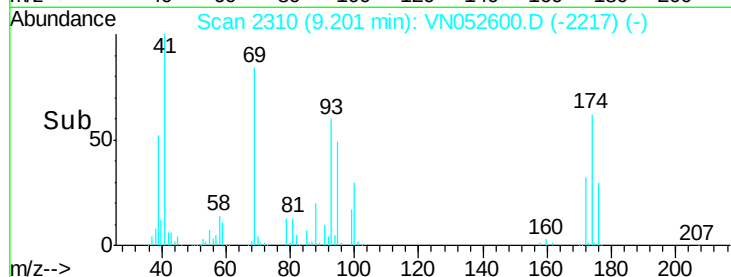
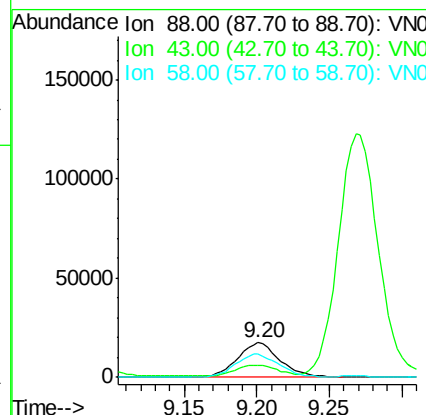
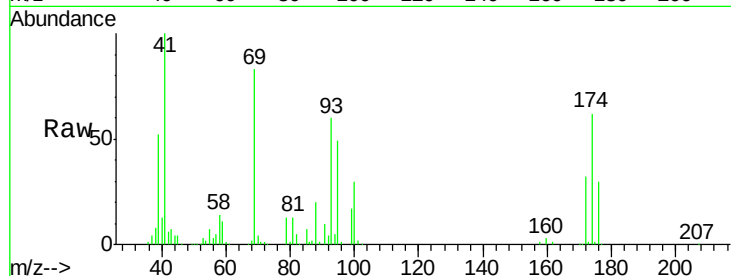
#49
1,4-Dioxane
Concen: 426.758 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.7	26.4	39.6
58	69.5	55.4	83.0

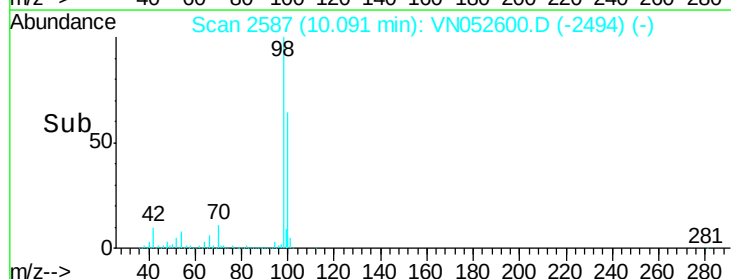
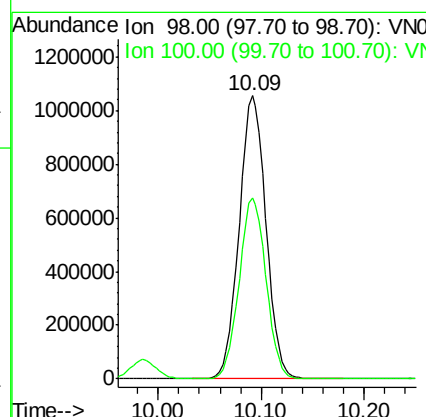
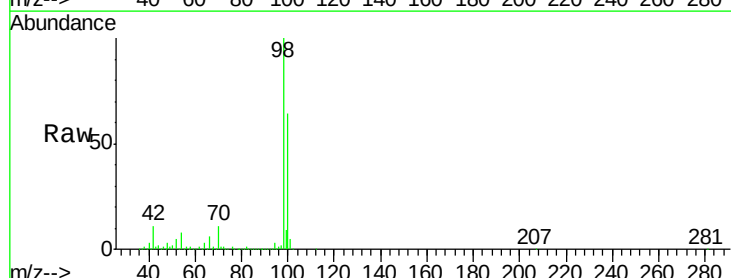
Manual Integrations
APPROVED

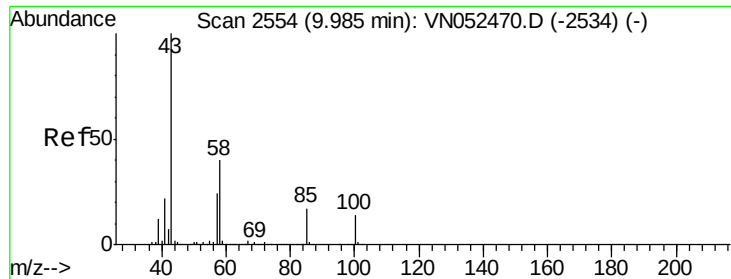
MMDadoda
12/3/2018 10:49:33 AM



#50
Toluene-d8
Concen: 426.758 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 101.399 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS02

Tgt Ion: 43 Resp: 881335

Ion Ratio Lower Upper

43 100

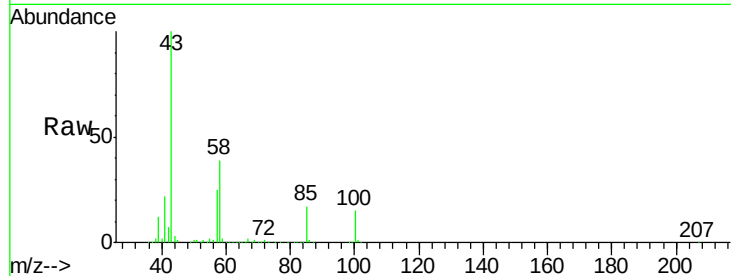
58 39.4 31.5 47.3

Manual Integrations

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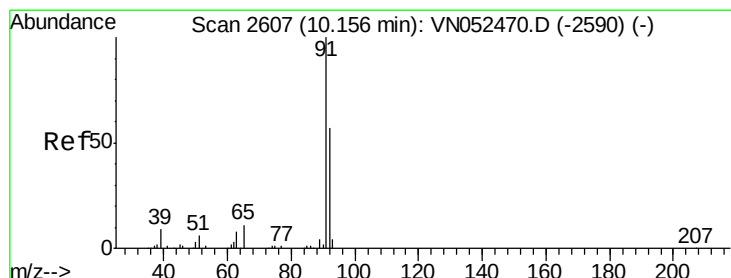
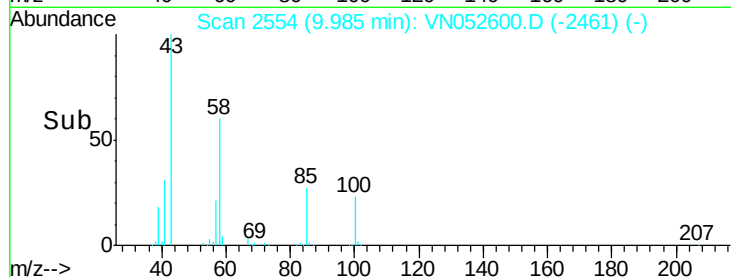
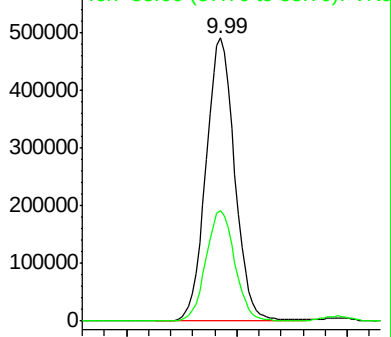
MMDadoda

12/3/2018 10:49:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.398 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052600.D

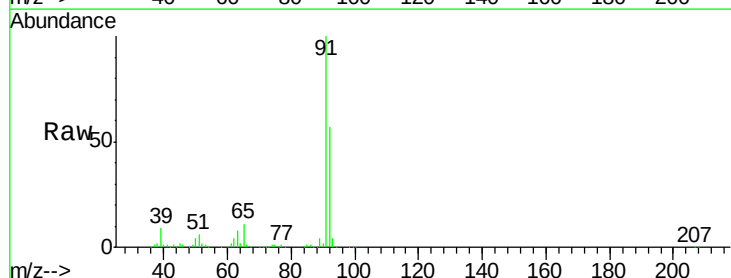
Acq: 30 Nov 2018 12:14

Tgt Ion: 92 Resp: 515181

Ion Ratio Lower Upper

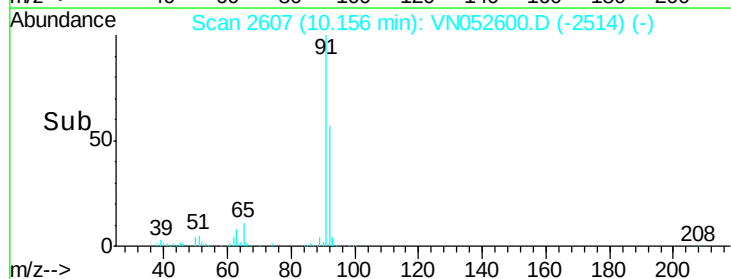
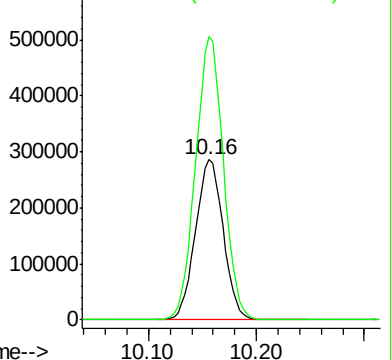
92 100

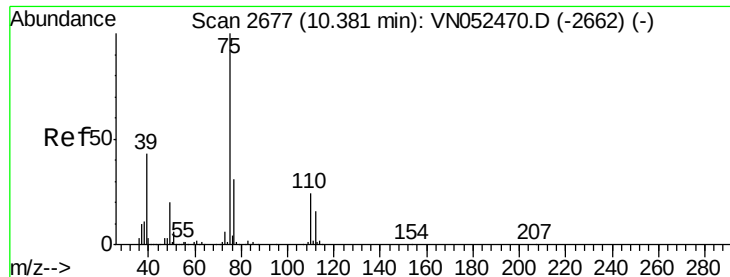
91 176.9 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





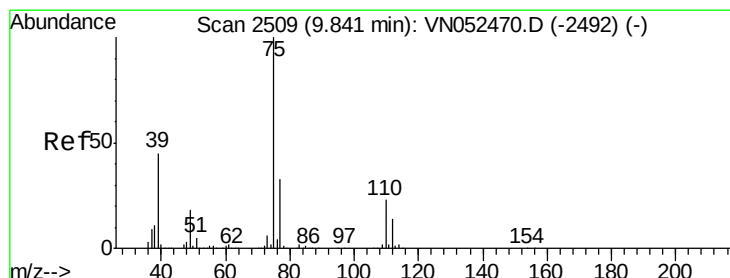
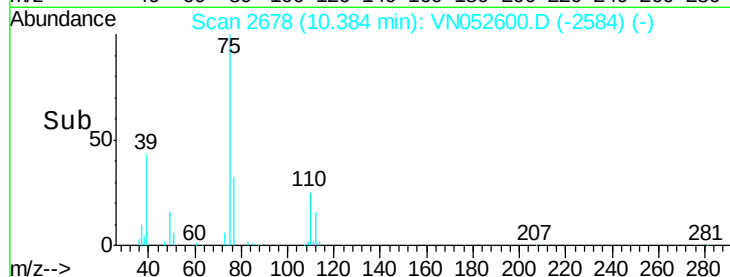
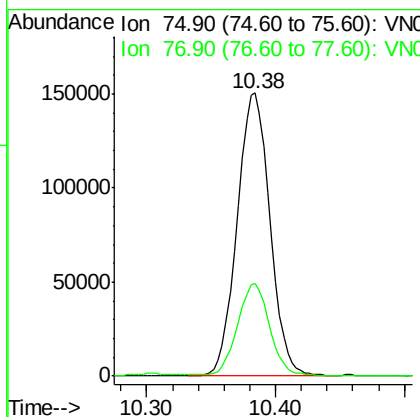
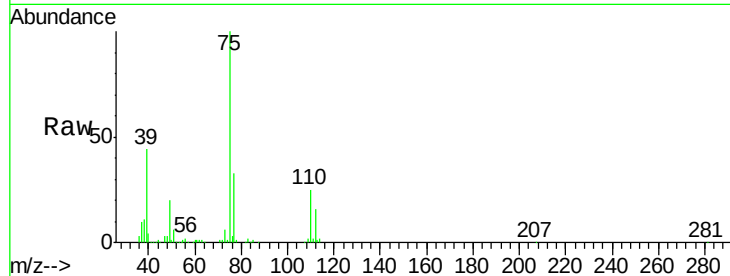
#53
t-1,3-Dichloropropene
Concen: 19.383 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion: 75 Resp: 266727
Ion Ratio Lower Upper
75 100
77 32.3 25.0 37.4

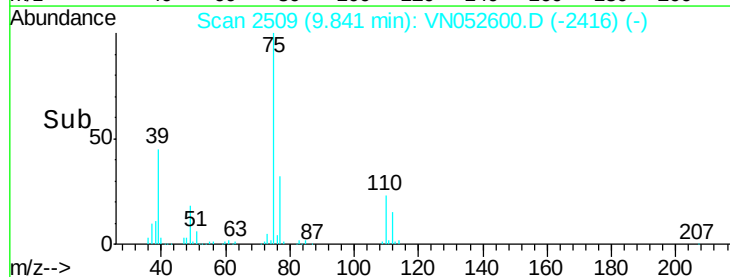
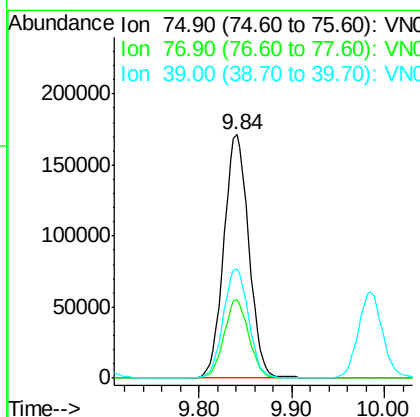
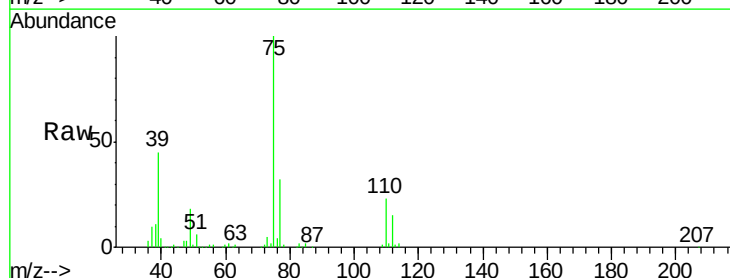
Manual Integrations
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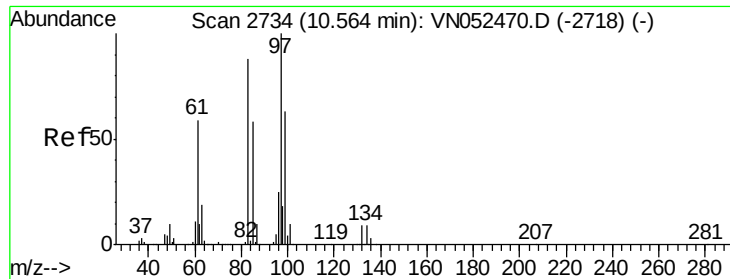
MMDadoda
12/3/2018 10:49:33 AM



#54
cis-1,3-Dichloropropene
Concen: 19.434 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion: 75 Resp: 320474
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 44.9 36.0 54.0





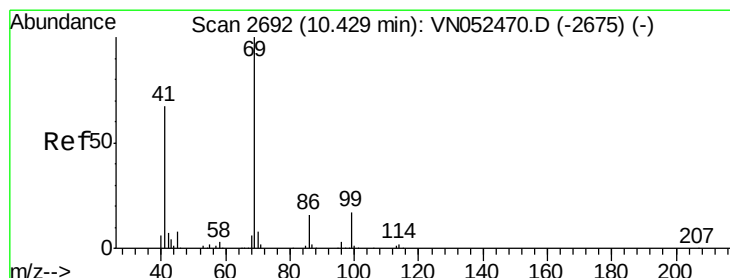
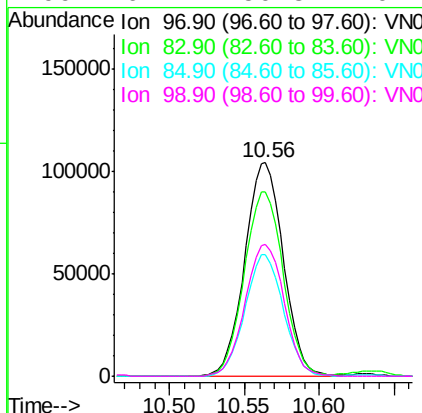
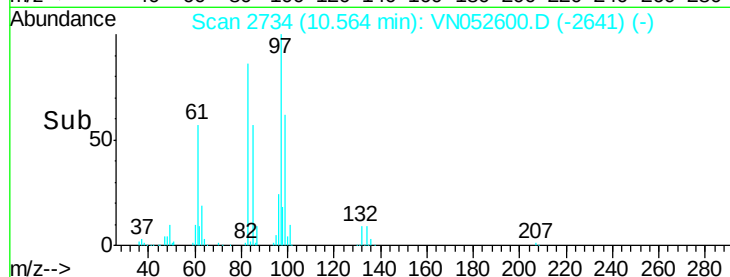
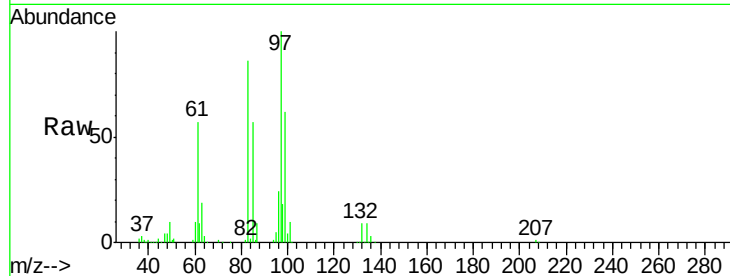
#55
 1,1,2-Trichloroethane
 Concen: 19.997 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.4	70.7	106.1
85	56.8	46.1	69.1
99	61.7	50.8	76.2

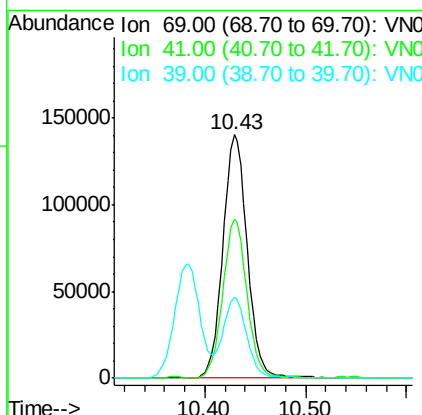
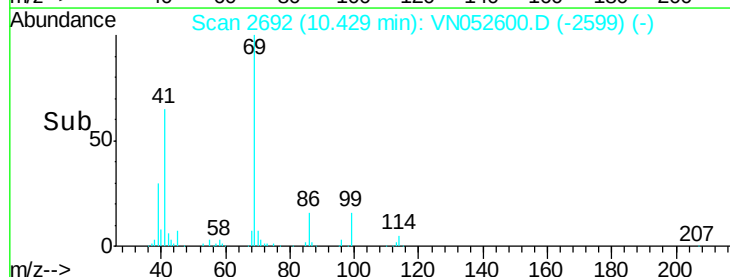
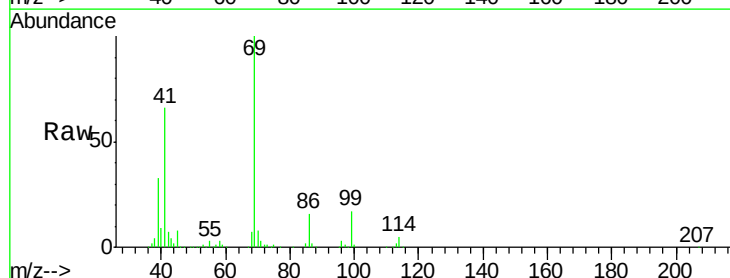
Manual Integrations
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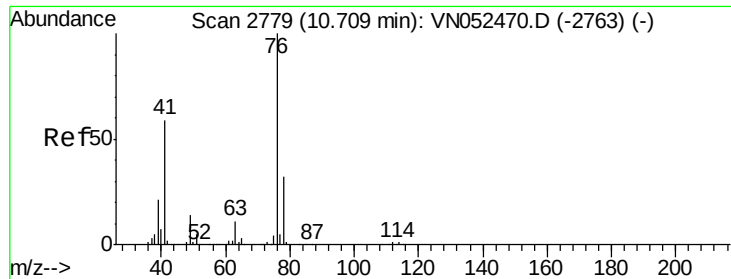
MMDadoda
 12/3/2018 10:49:33 AM



#56
 Ethyl methacrylate
 Concen: 19.985 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.8	52.6	79.0
39	32.1	25.9	38.9





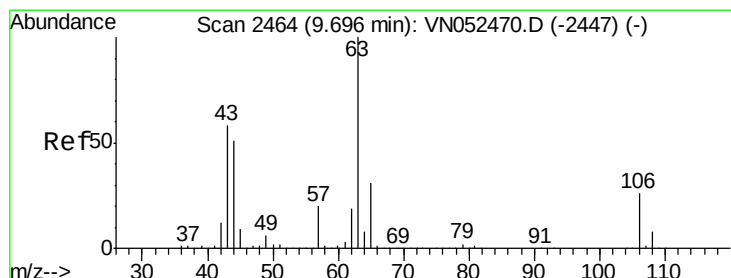
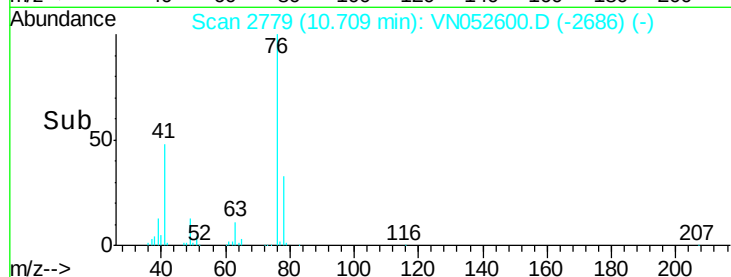
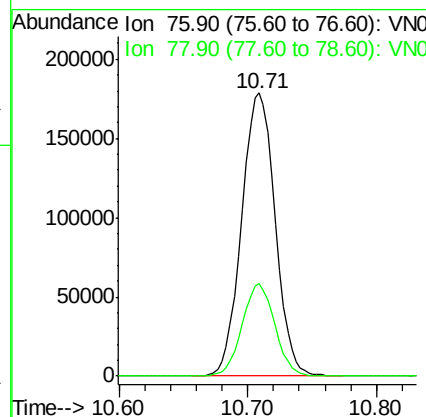
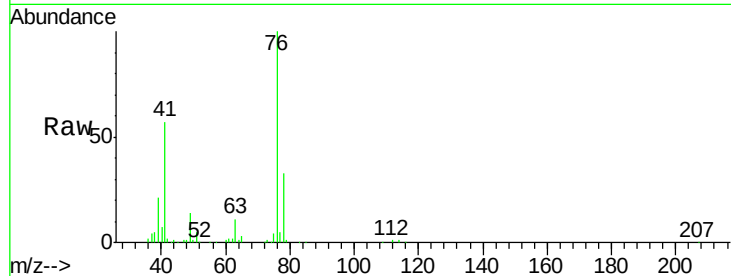
#57
 1,3-Dichloropropane
 Concen: 19.585 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130WBS02

Tgt Ion: 76 Resp: 323066
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4

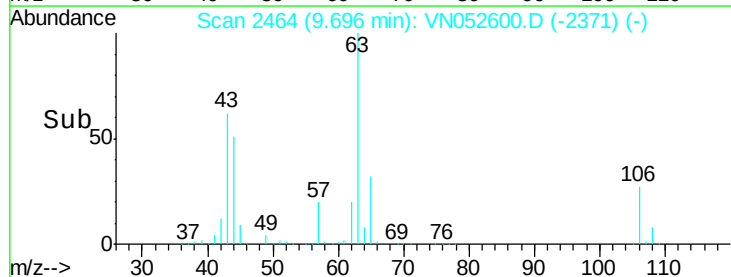
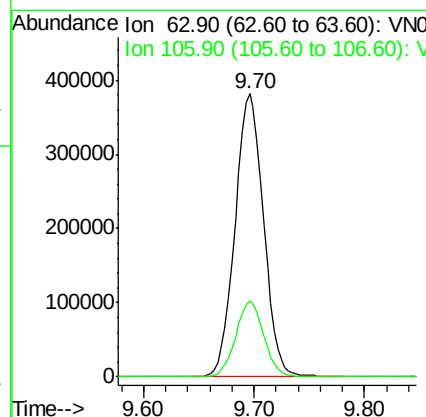
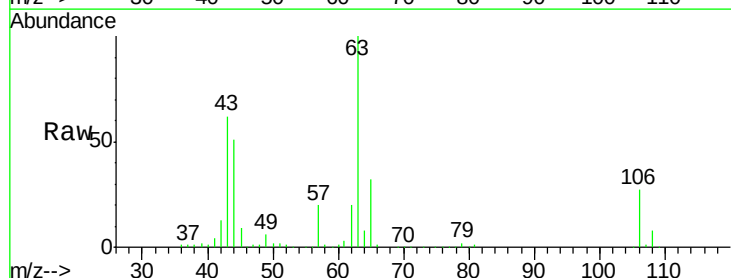
Manual Integrations
 APPROVED

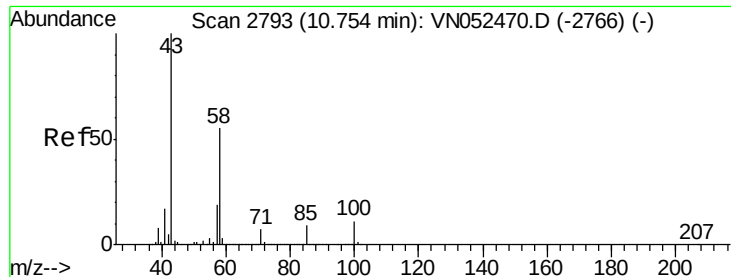
MMDadoda
 12/3/2018 10:49:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.927 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion: 63 Resp: 684179
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8





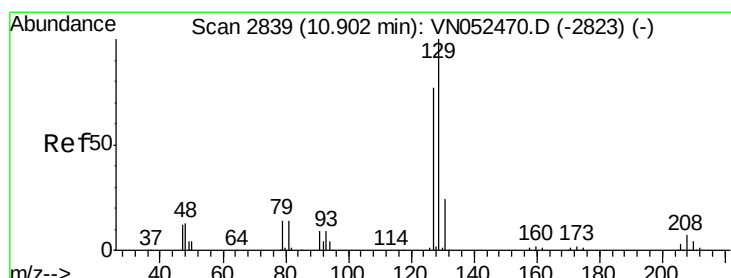
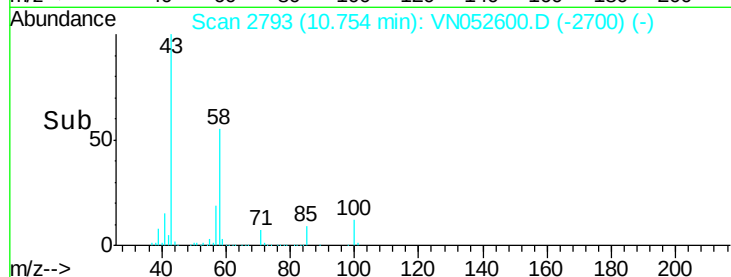
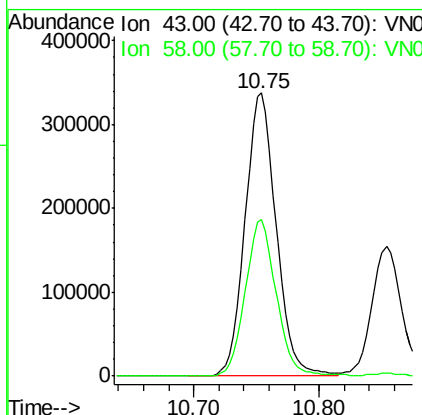
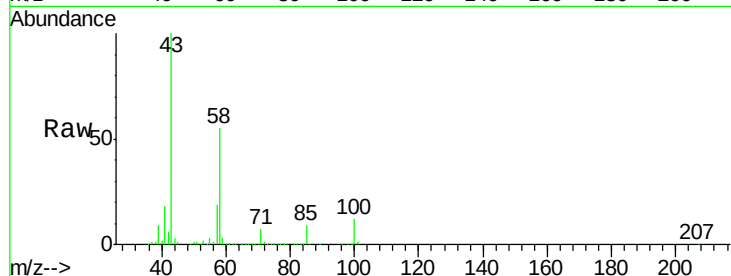
#59
2-Hexanone
Concen: 99.534 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion: 43 Resp: 580627
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.0

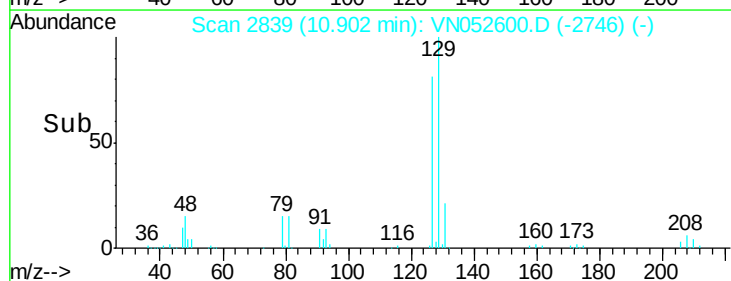
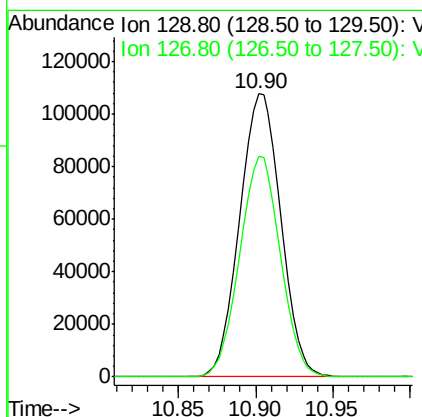
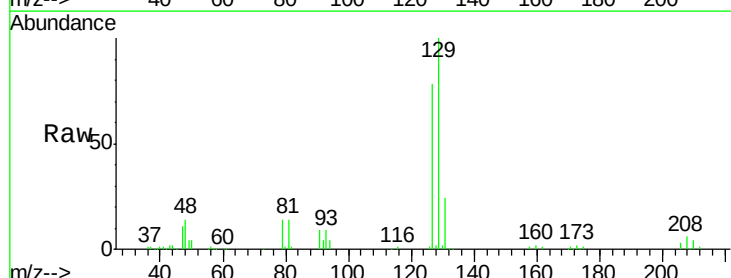
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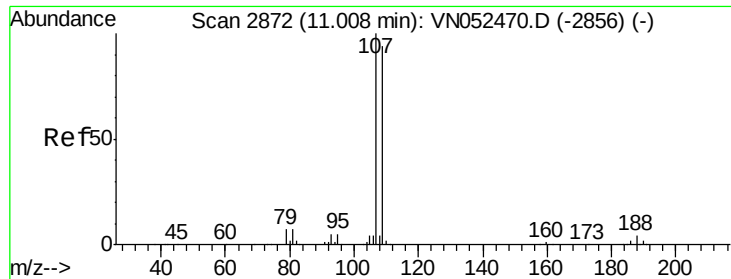
MMDadoda
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#60
Dibromochloromethane
Concen: 19.697 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion: 129 Resp: 199853
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6





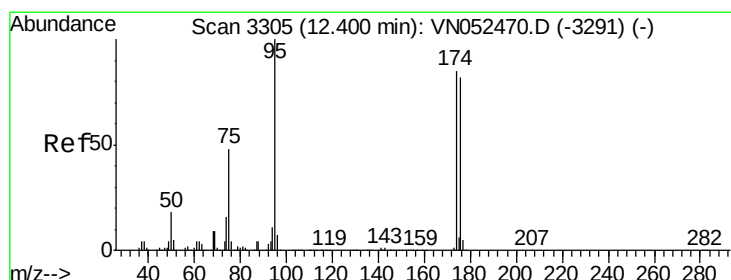
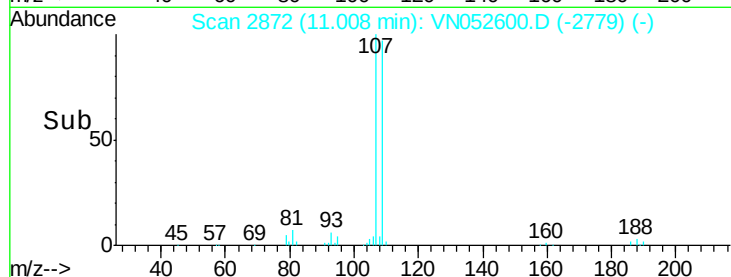
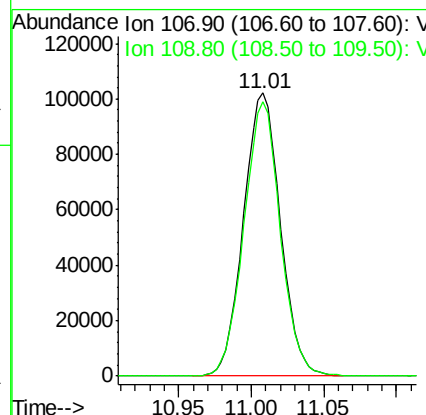
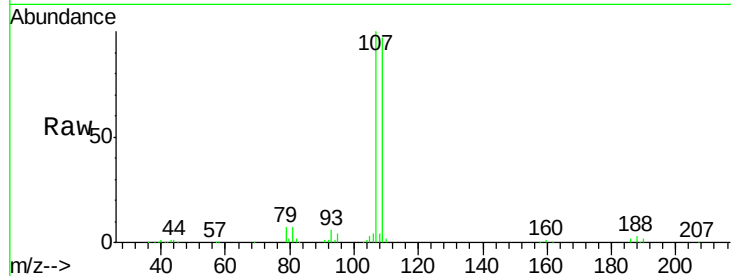
#61
 1,2-Dibromoethane
 Concen: 19.498 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.7	75.6	113.4

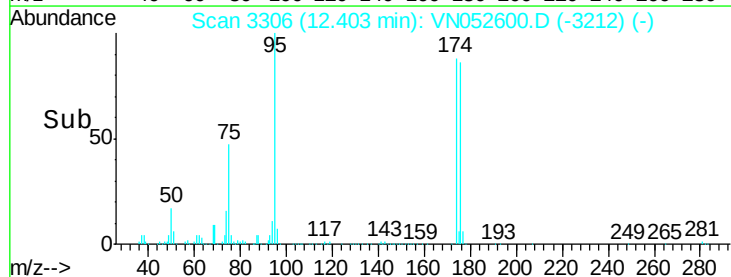
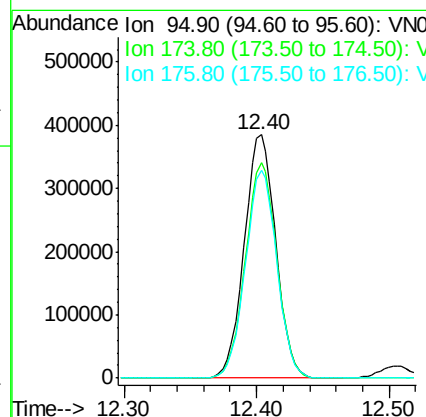
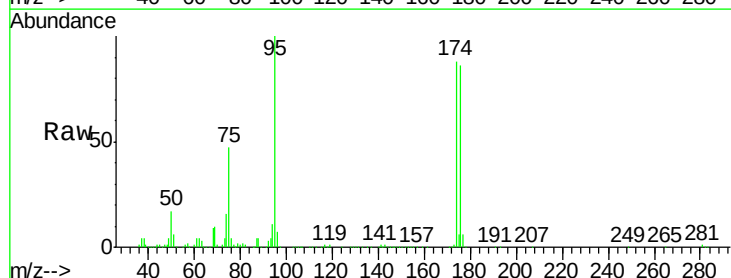
Manual Integrations
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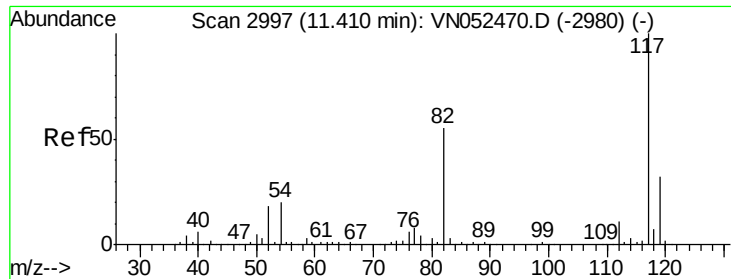
MMDadoda
 12/3/2018 10:49:33 AM



#62
 4-Bromofluorobenzene
 Concen: 19.498 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	173.0
176	85.2	0.0	166.2





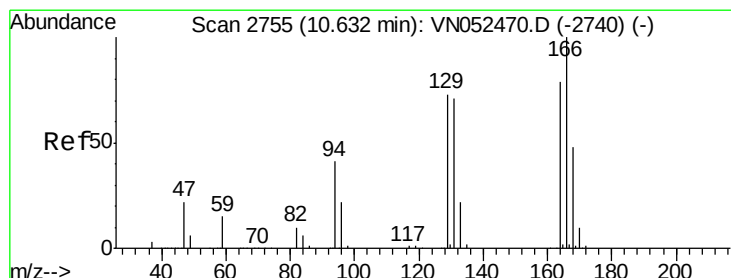
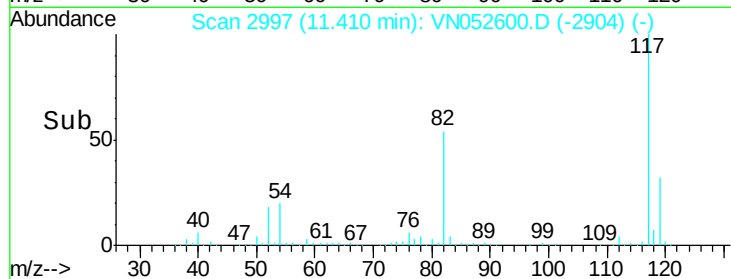
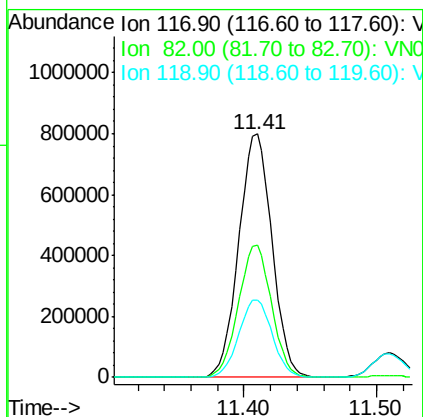
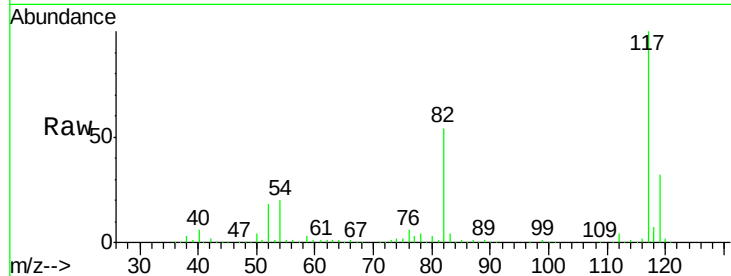
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion:117 Resp: 1392672
Ion Ratio Lower Upper
117 100
82 54.2 43.6 65.4
119 31.9 25.4 38.2

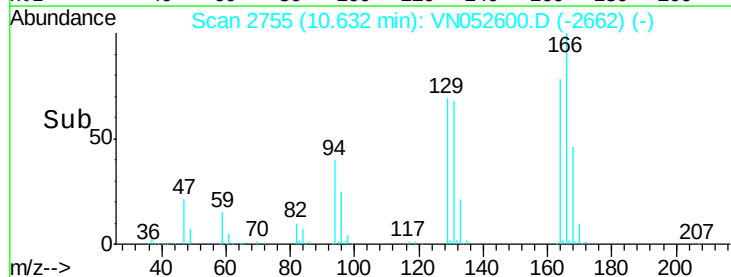
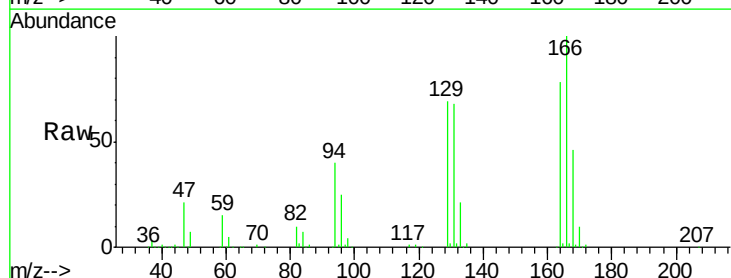
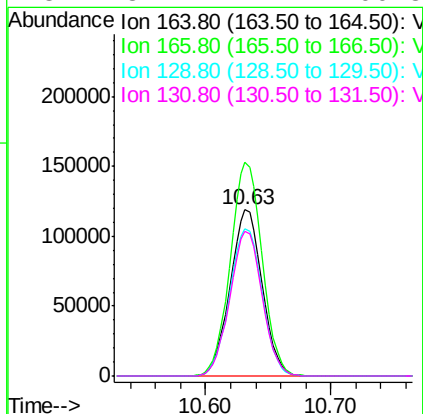
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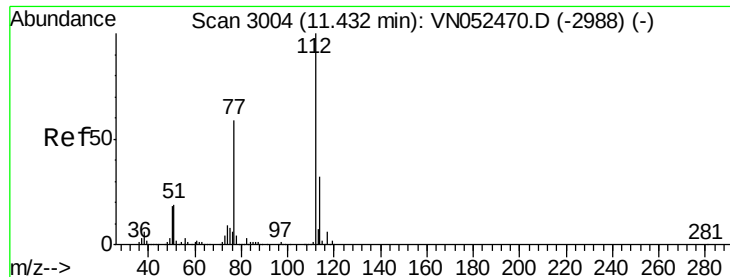
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#64
Tetrachloroethene
Concen: 19.477 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion:164 Resp: 210312
Ion Ratio Lower Upper
164 100
166 128.4 101.0 151.4
129 88.2 73.8 110.6
131 87.2 71.2 106.8





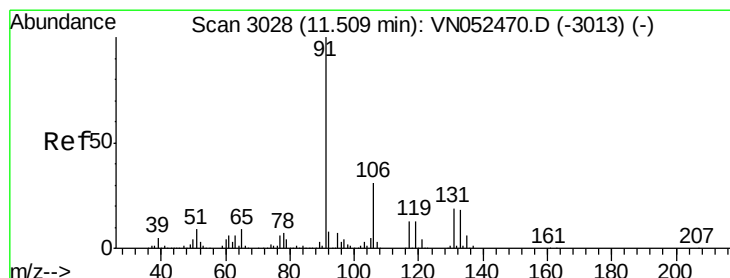
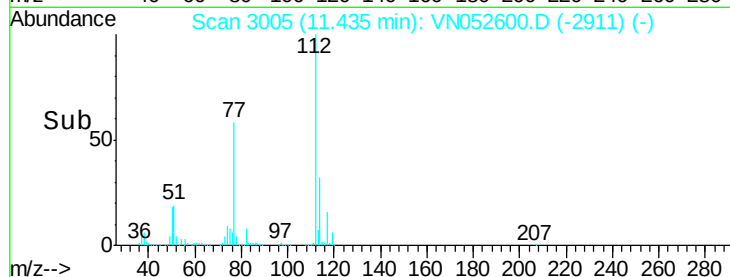
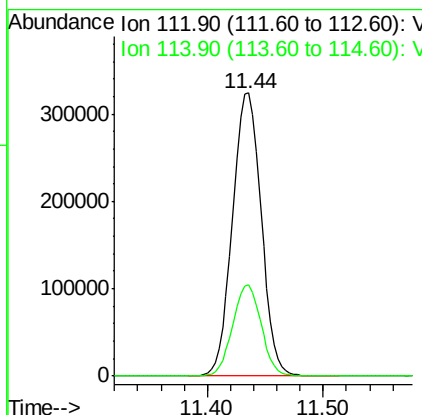
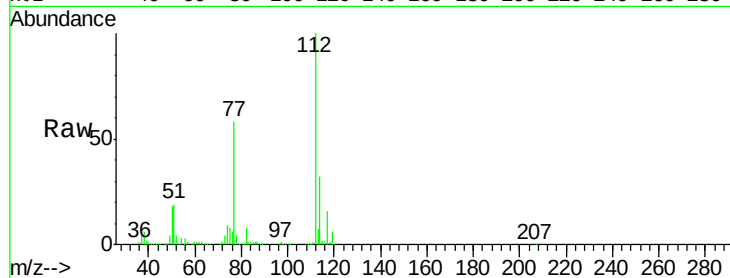
#65
Chlorobenzene
Concen: 19.388 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion:112 Resp: 556760
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6

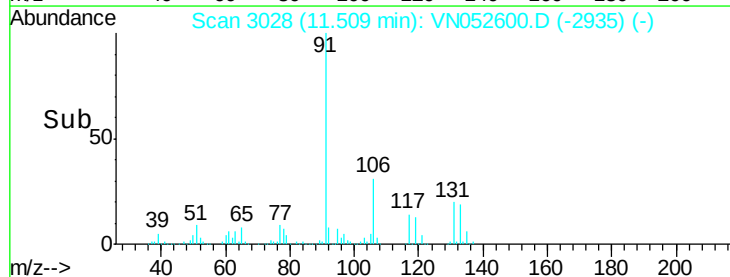
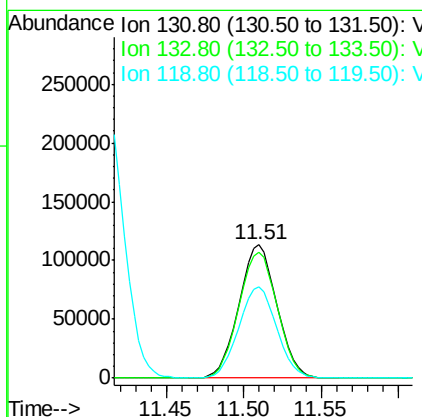
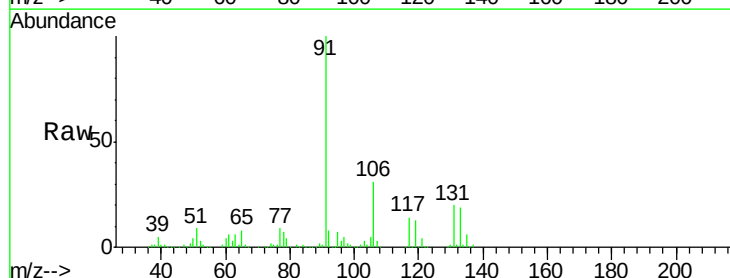
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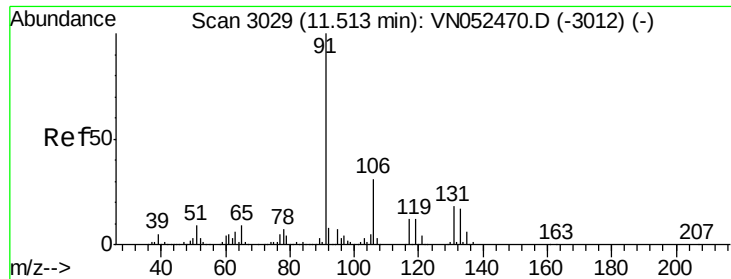
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.452 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion:131 Resp: 194223
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 68.1 33.2 99.6





#67

Ethyl Benzene

Concen: 19.373 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 91 Resp: 974252

Ion Ratio Lower Upper

91 100

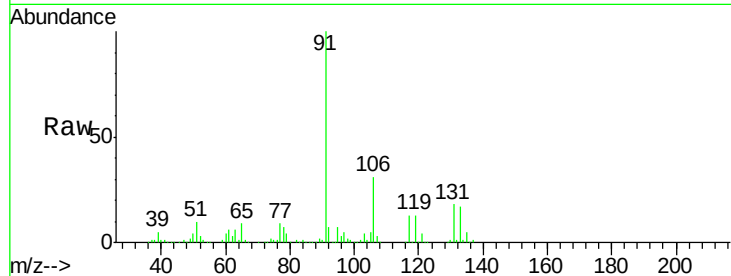
106 31.1 24.9 37.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN052470.D (-3012) (-)

800000

600000

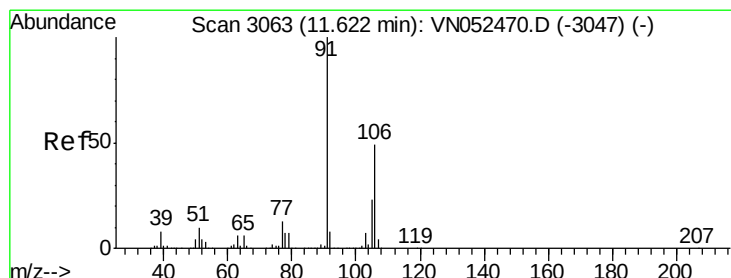
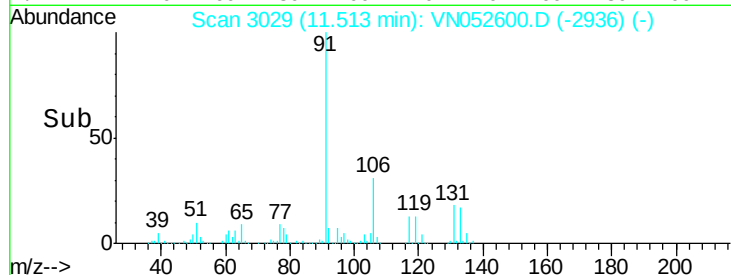
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 38.792 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052600.D

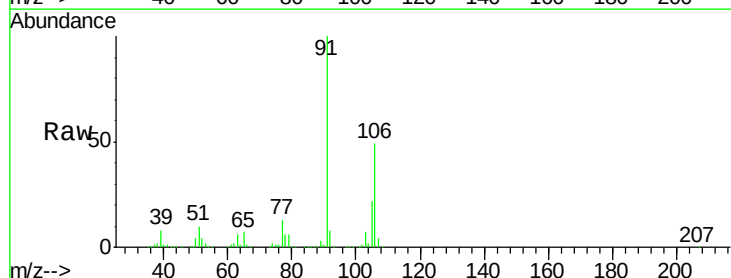
Acq: 30 Nov 2018 12:14

Tgt Ion: 106 Resp: 726222

Ion Ratio Lower Upper

106 100

91 204.9 163.2 244.8



Abundance Ion 106.00 (105.70 to 106.70): VN052470.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-3047) (-)

800000

600000

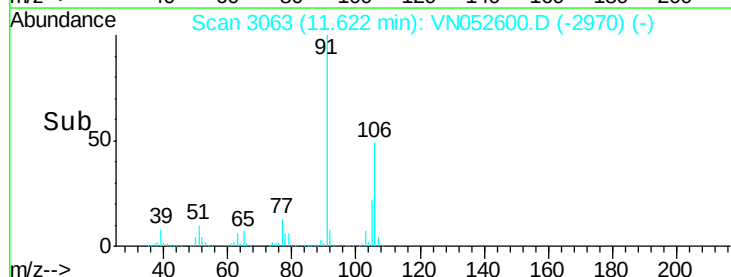
400000

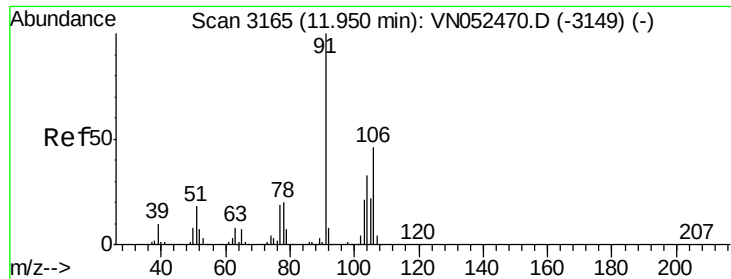
200000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





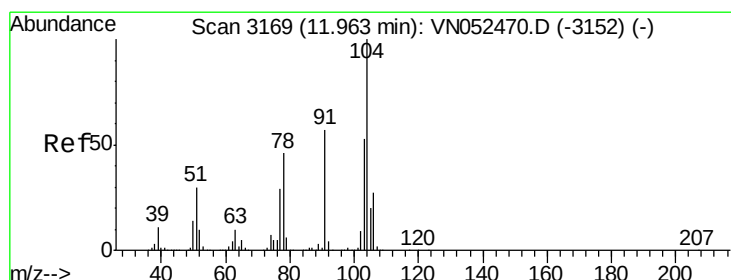
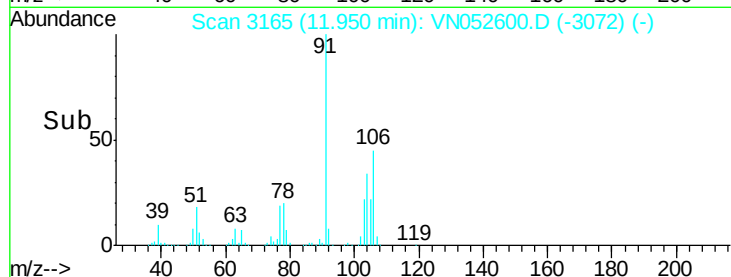
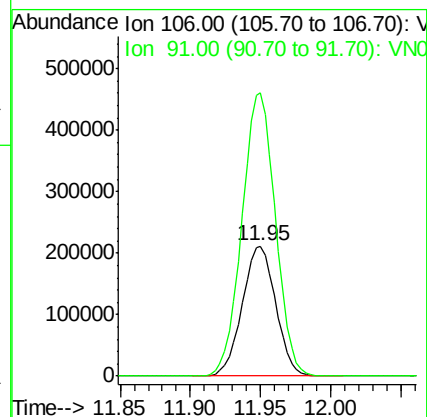
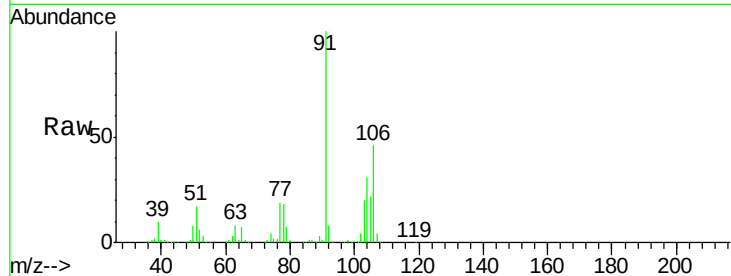
#69
o-Xylene
Concen: 19.372 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion:106 Resp: 352181
Ion Ratio Lower Upper
106 100
91 217.4 107.7 323.1

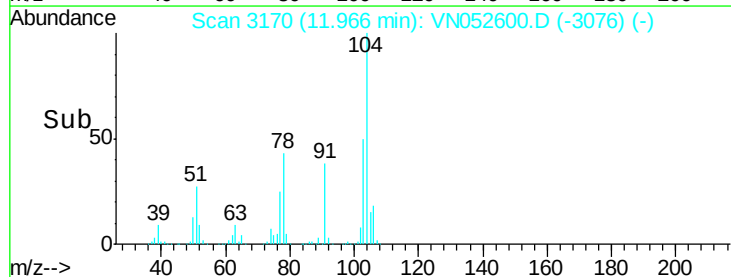
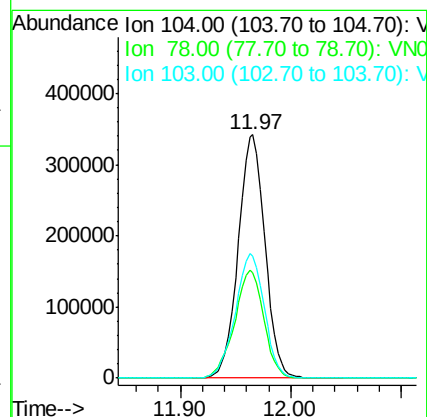
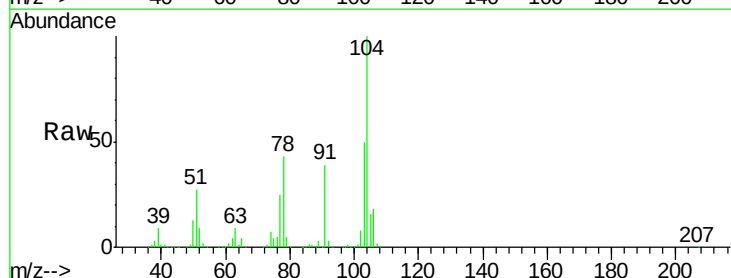
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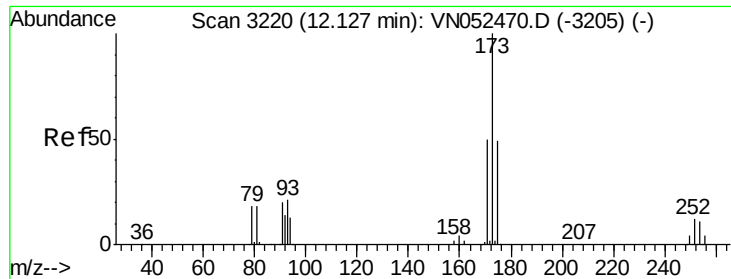
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#70
Styrene
Concen: 19.840 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion:104 Resp: 574496
Ion Ratio Lower Upper
104 100
78 48.3 39.4 59.2
103 55.7 44.9 67.3





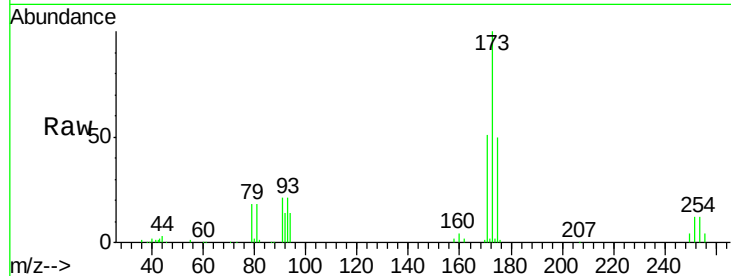
#71
Bromoform
Concen: 19.563 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

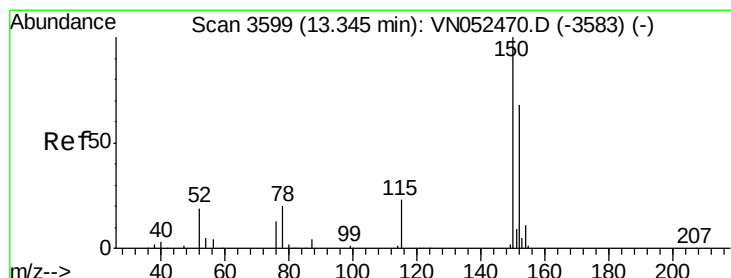
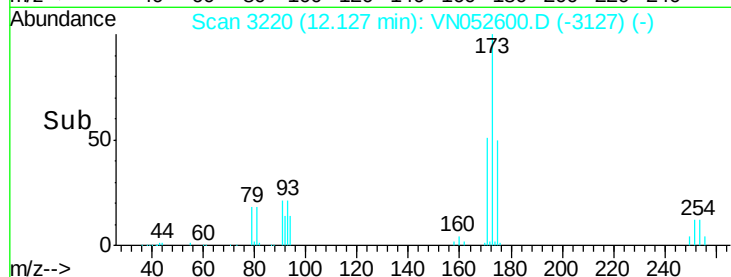
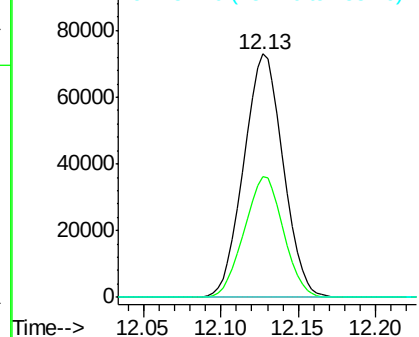
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	129334		
175	49.5	24.4	73.2	
254	0.0	0.1	0.1#	

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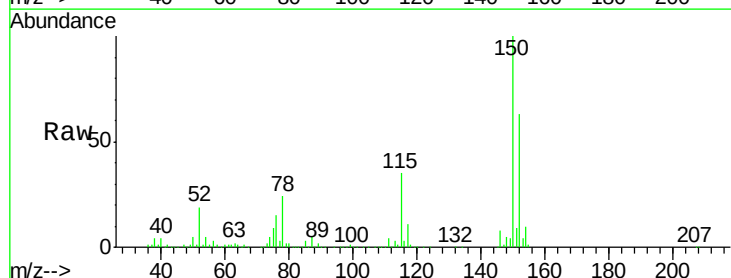


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

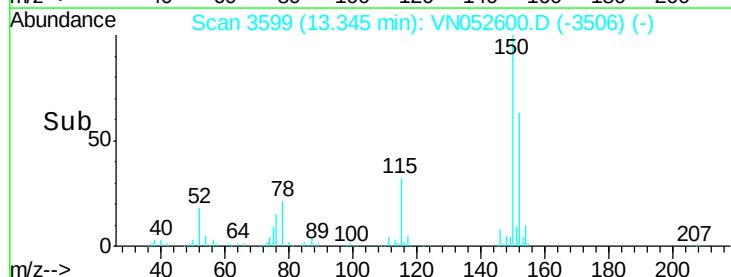
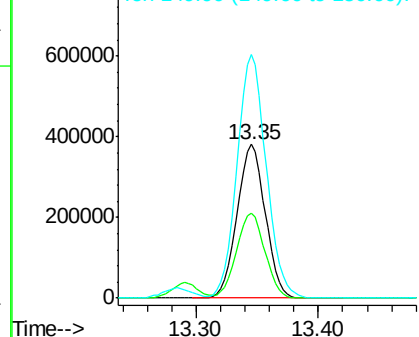


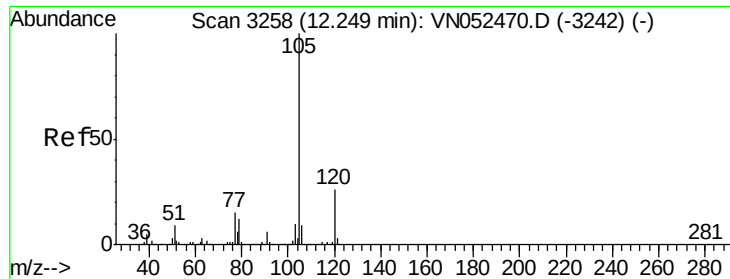
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	609479		
115	56.2	28.4	85.2	
150	164.6	0.0	346.0	



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





#73

Isopropylbenzene

Concen: 19.896 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 105 Resp: 951362

Ion Ratio Lower Upper

105 100

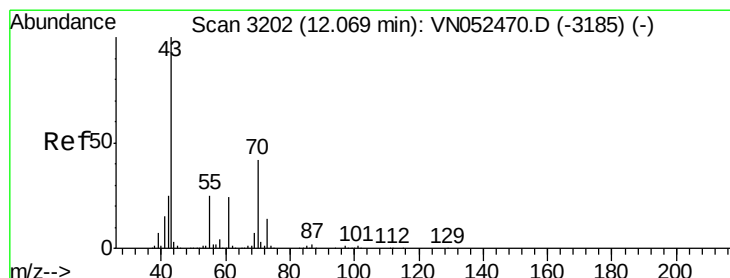
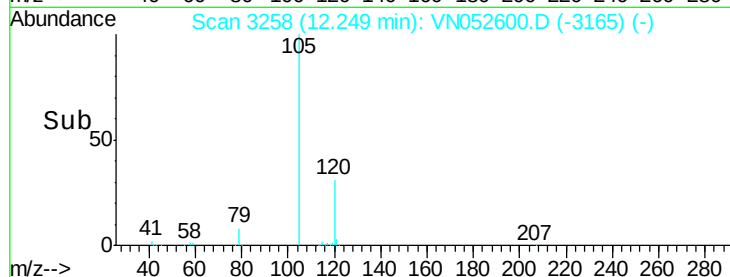
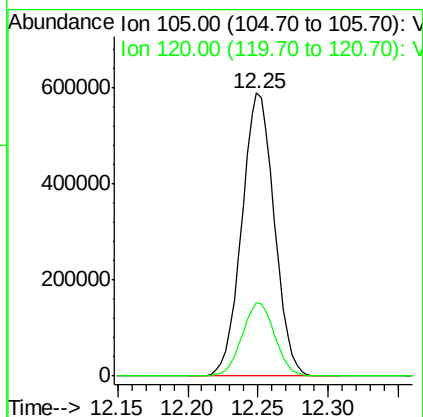
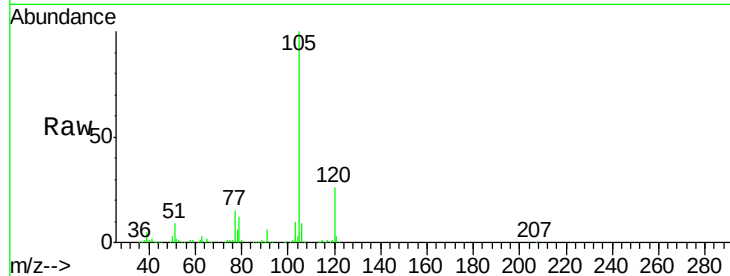
120 26.1 13.1 39.3

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#74

N-ethyl acetate

Concen: 20.077 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion: 43 Resp: 242537

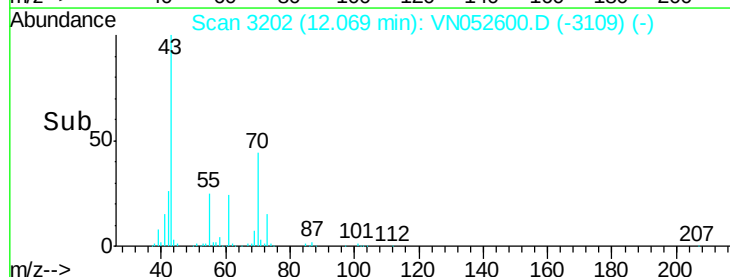
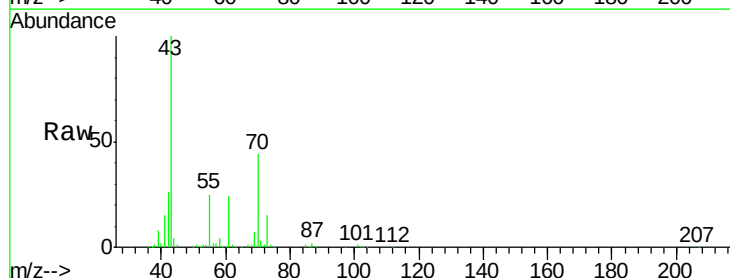
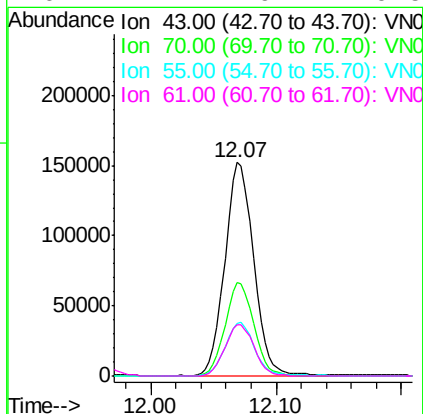
Ion Ratio Lower Upper

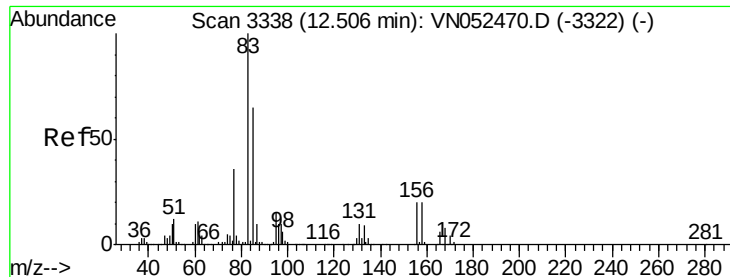
43 100

70 43.5 33.8 50.8

55 25.5 20.0 30.0

61 24.4 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.506 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS02

Tgt Ion: 83 Resp: 223053
Ion Ratio Lower Upper

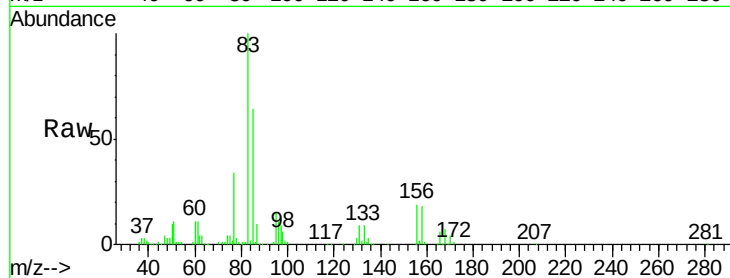
83 100

131 9.9 5.0 15.0

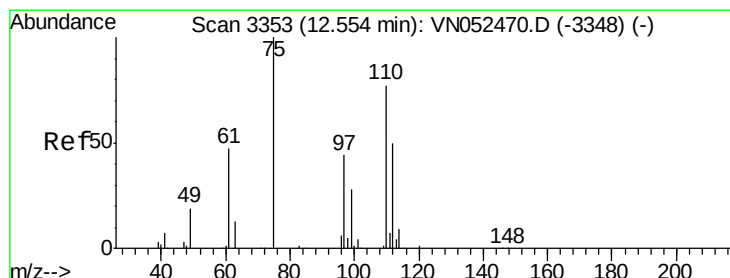
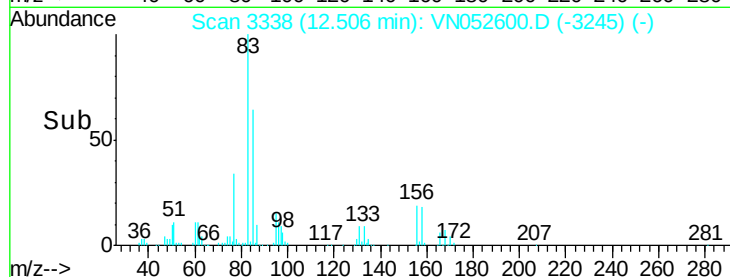
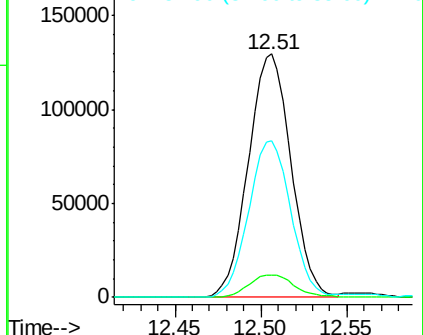
85 63.6 31.9 95.9

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



#76

1,2,3-Trichloropropane

Concen: 20.192 ug/l m

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

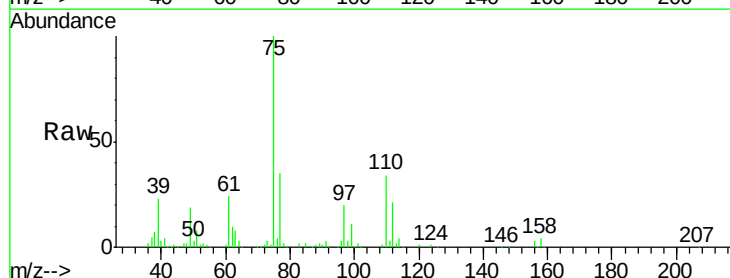
Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

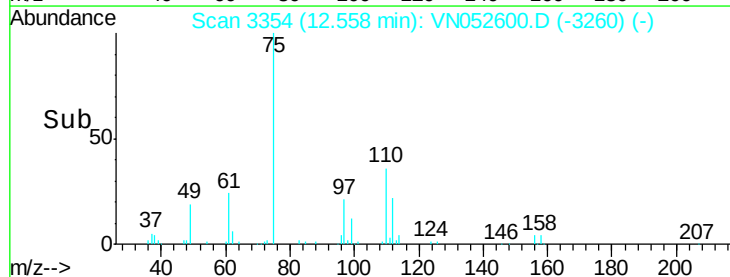
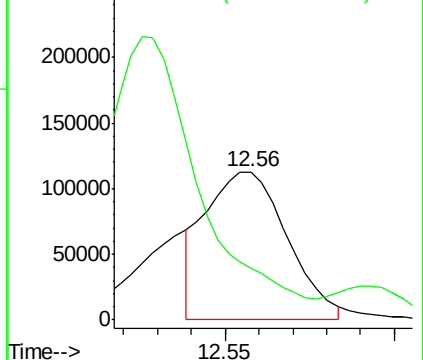
Tgt Ion: 75 Resp: 189776
Ion Ratio Lower Upper

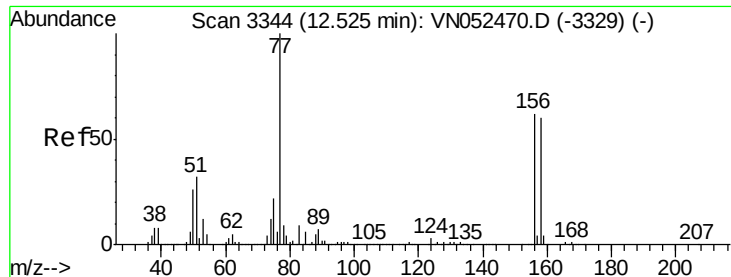
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 19.938 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

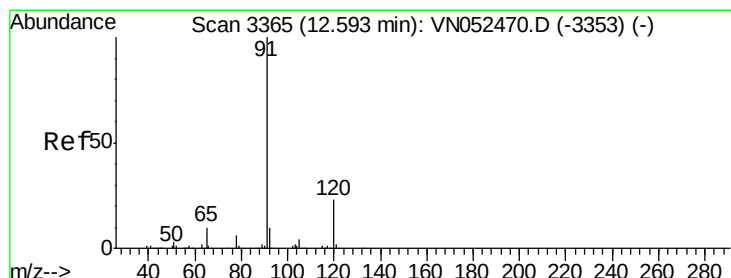
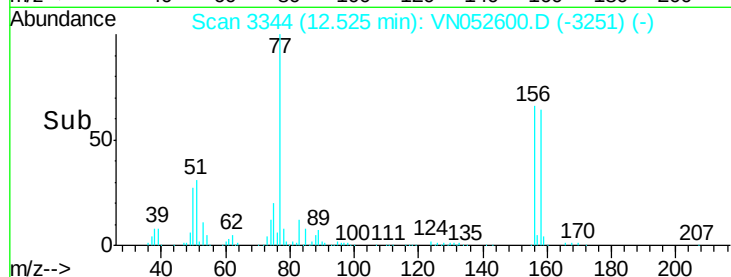
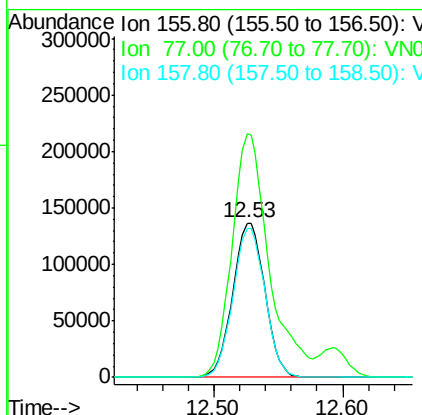
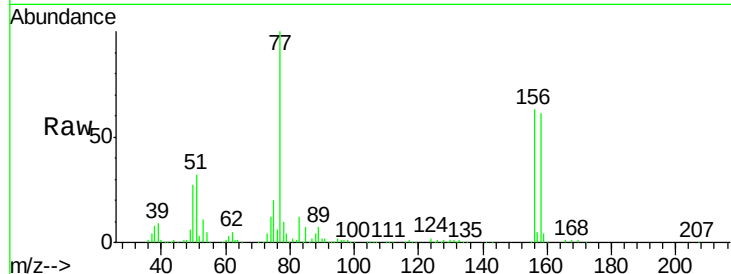
ClientSampled :

VN1130WBS02

Tgt Ion:	156	Resp:	235647
Ion Ratio	Lower	Upper	
156	100		
77	183.3	93.5	280.4
158	96.6	48.3	144.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.692 ug/l

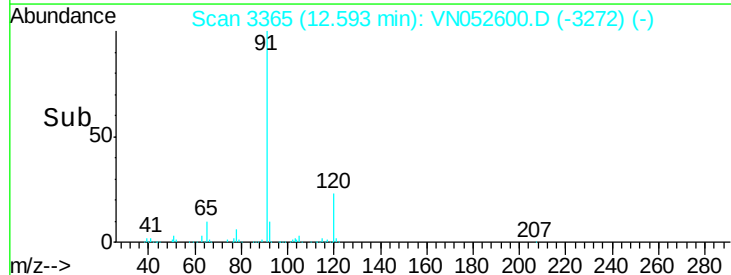
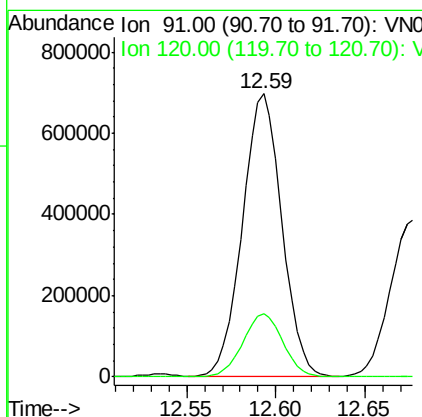
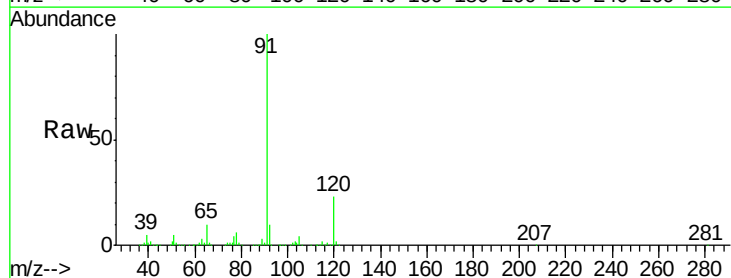
RT: 12.59 min Scan# 3365

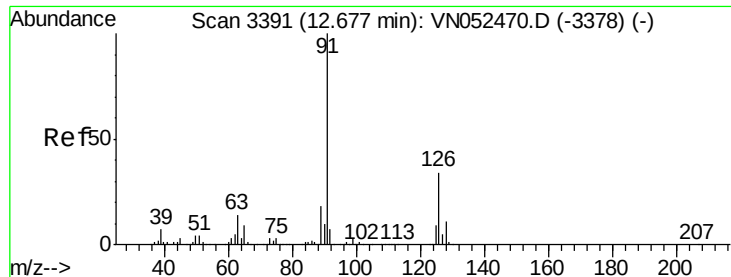
Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	91	Resp:	1069717
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.668 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampled :

VN1130WBS02

Tgt Ion: 91 Resp: 636239

Ion Ratio Lower Upper

91 100

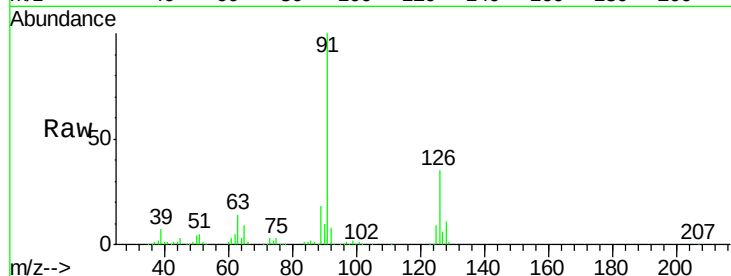
126 34.6 17.2 51.6

Manual Integrations

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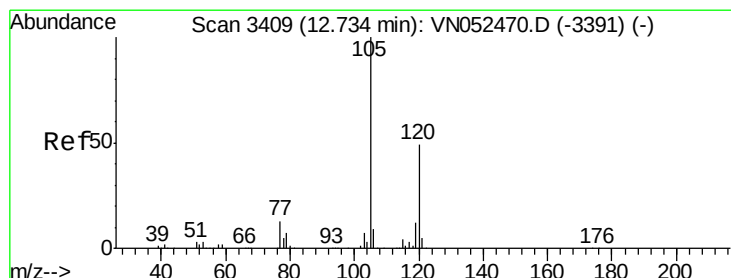
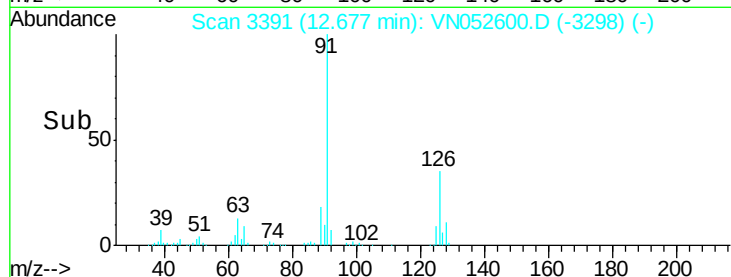
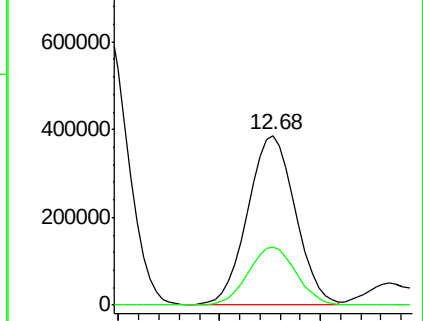
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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

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



#80

1,3,5-Trimethylbenzene

Concen: 19.987 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052600.D

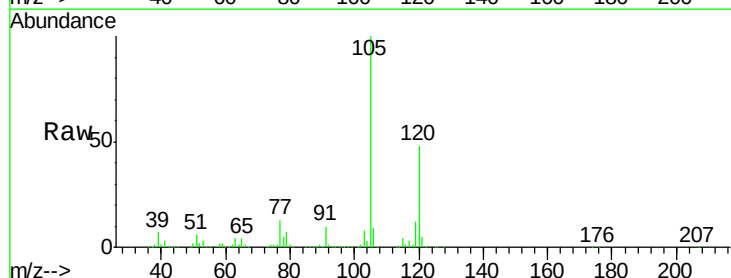
Acq: 30 Nov 2018 12:14

Tgt Ion: 105 Resp: 762224

Ion Ratio Lower Upper

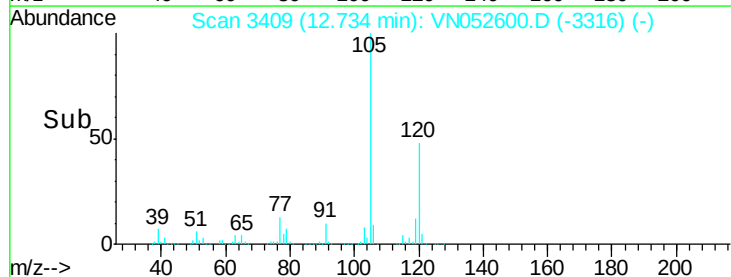
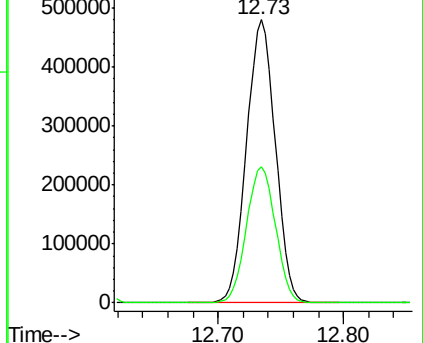
105 100

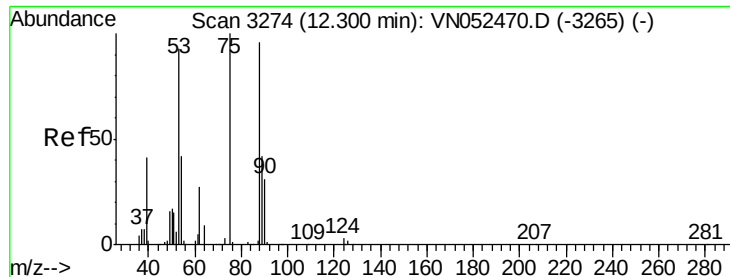
120 48.6 24.3 73.0



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: 19.622 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion: 75 Resp: 55222

Ion Ratio Lower Upper

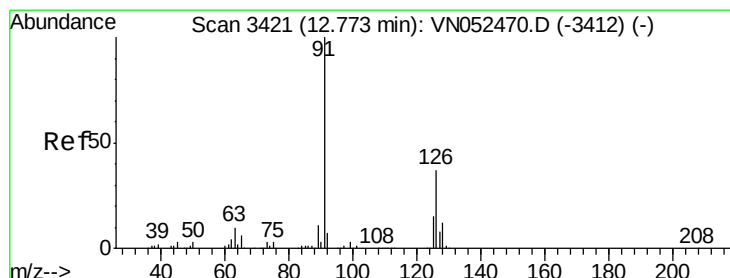
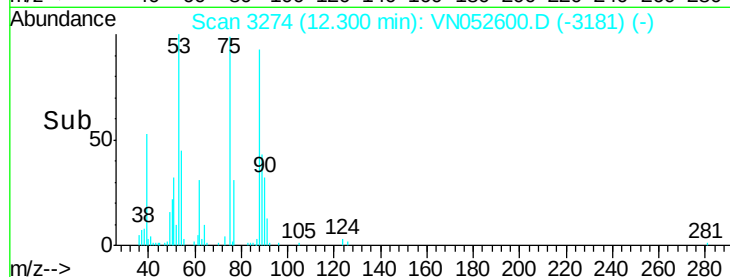
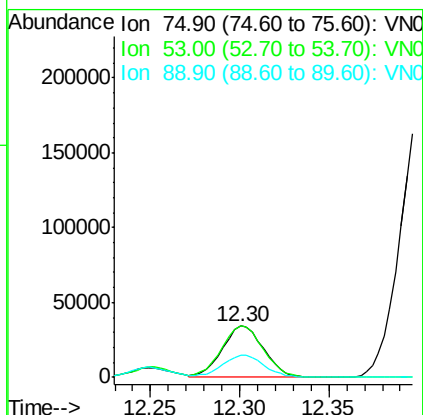
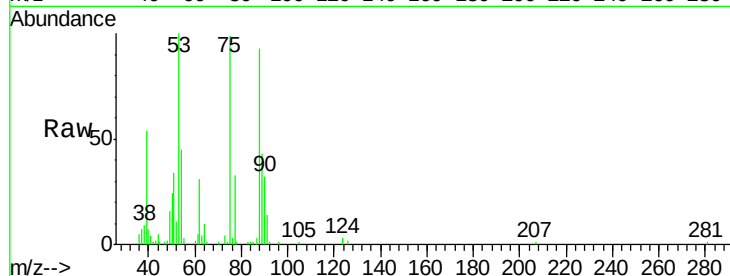
75 100

53 101.7 77.4 116.0

89 43.5 35.4 53.2

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#82

4-Chlorotoluene

Concen: 19.314 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052600.D

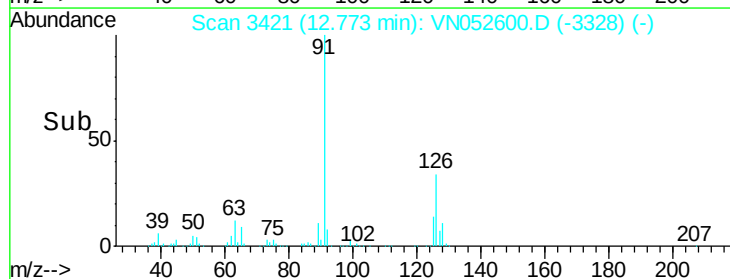
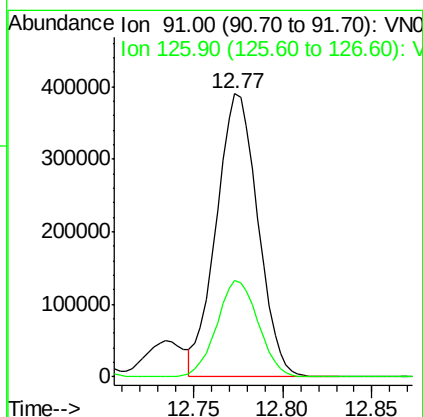
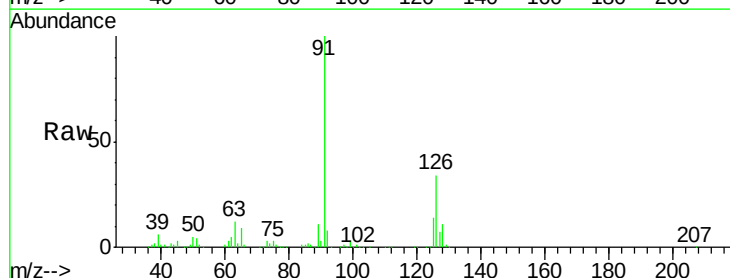
Acq: 30 Nov 2018 12:14

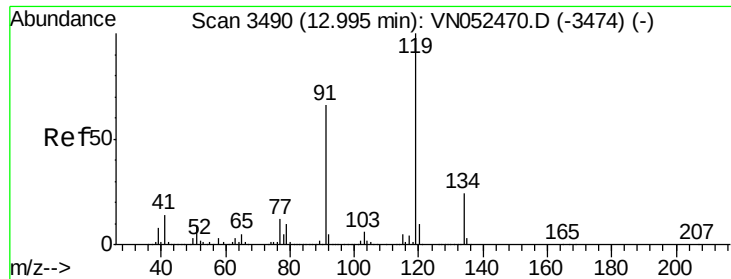
Tgt Ion: 91 Resp: 629693

Ion Ratio Lower Upper

91 100

126 34.1 16.9 50.6





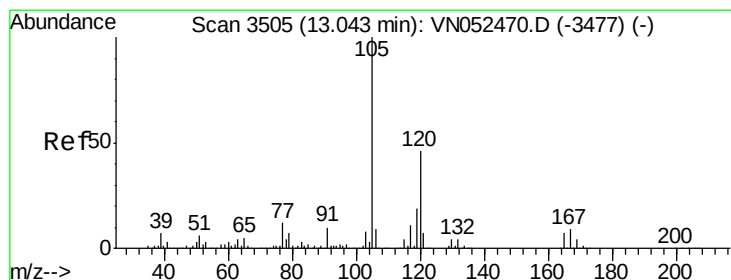
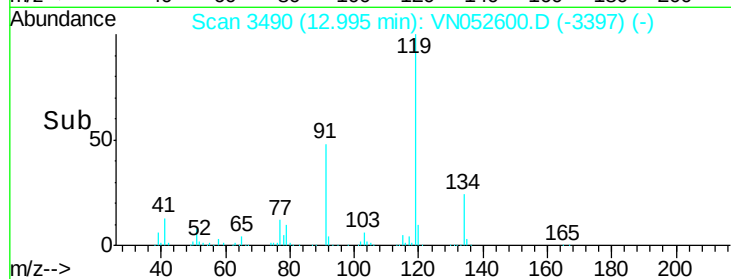
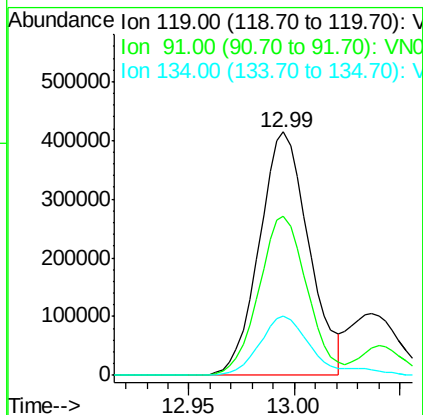
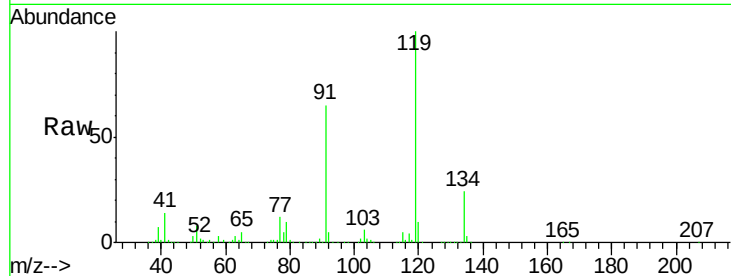
#83
 tert-Butylbenzene
 Concen: 19.927 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN1130WBS02

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

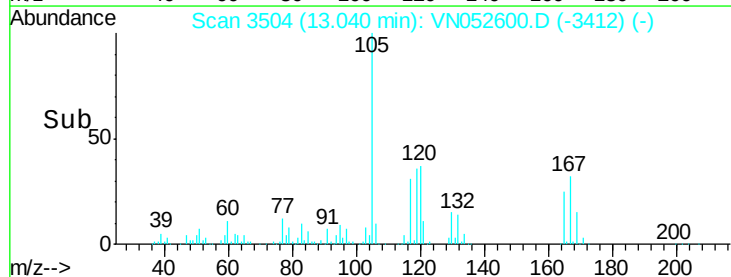
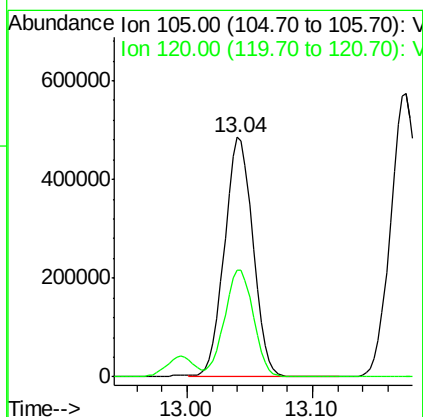
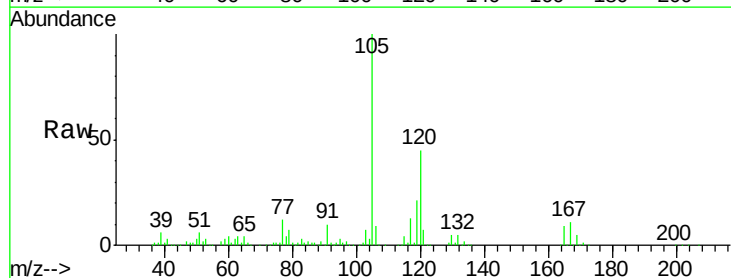
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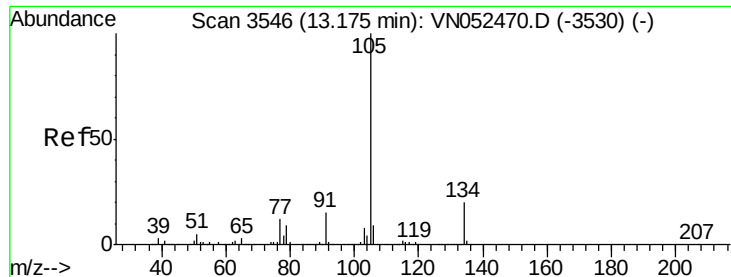
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.997 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.699 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

VN1130WBS02

Tgt Ion:105 Resp: 912200

Ion Ratio Lower Upper

105 100

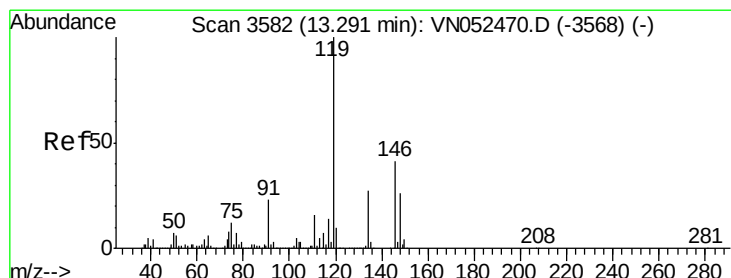
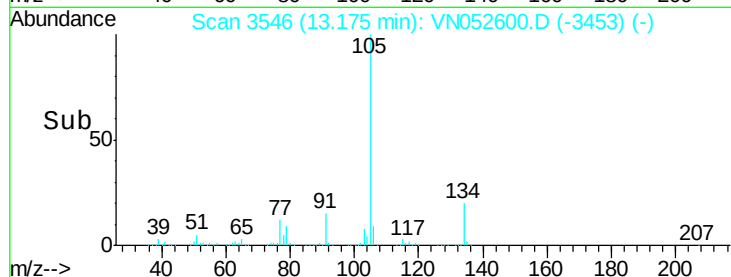
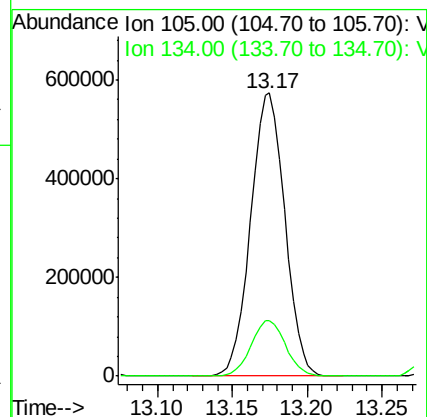
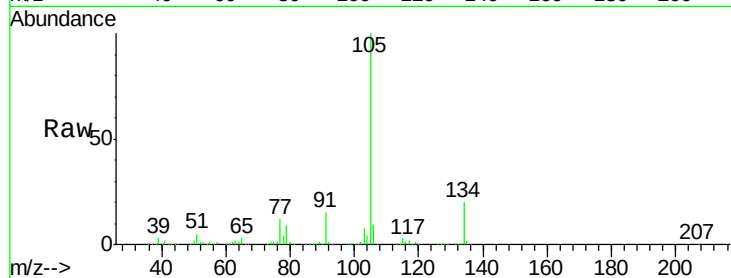
134 19.9 9.9 29.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.497 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

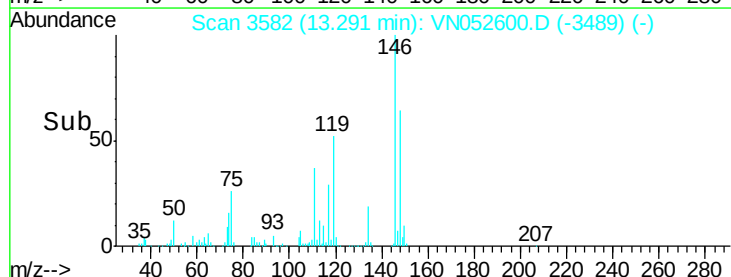
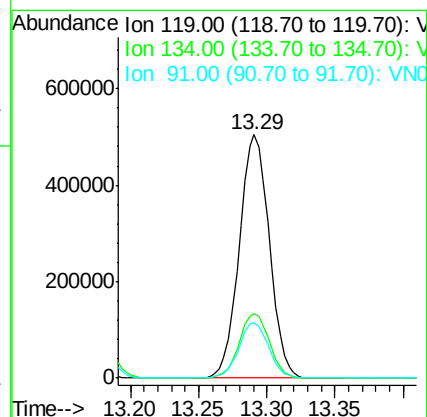
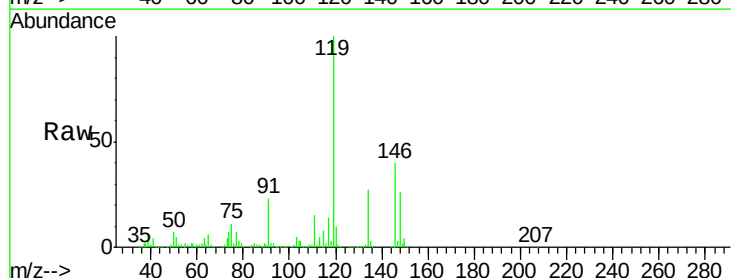
Tgt Ion:119 Resp: 768976

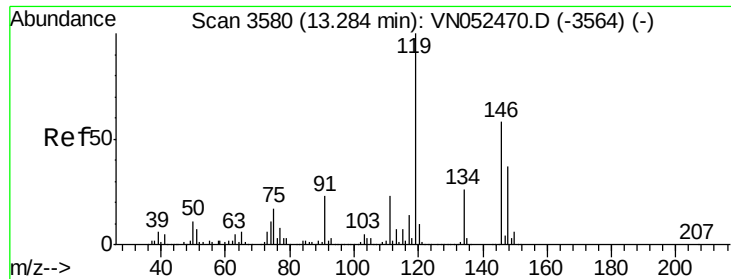
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.7 11.4 34.2





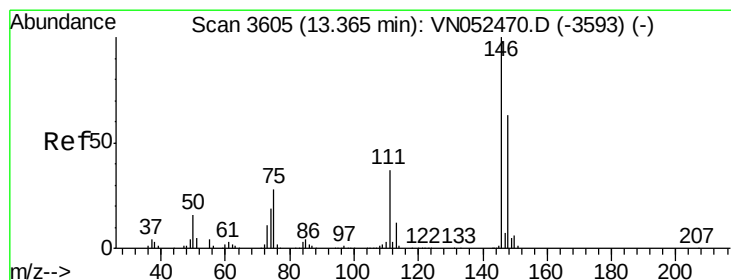
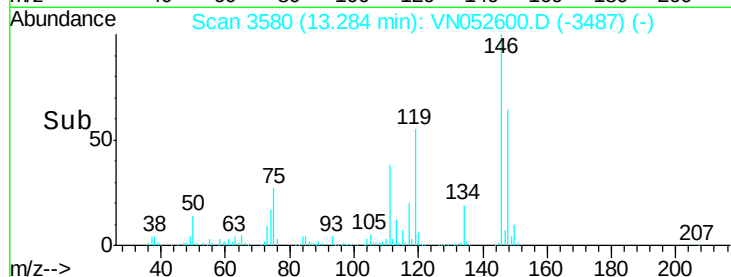
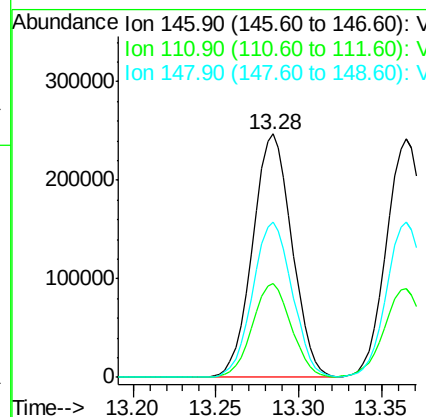
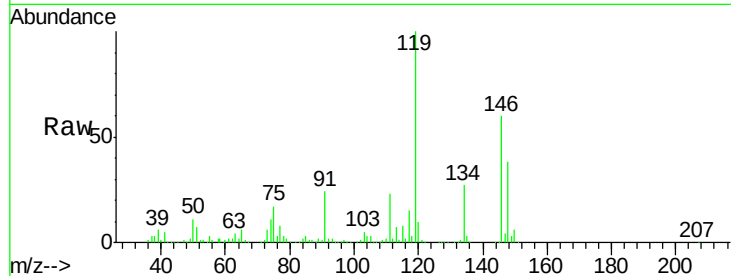
#87
 1,3-Dichlorobenzene
 Concen: 19.689 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.4
148	64.3	31.8	95.4

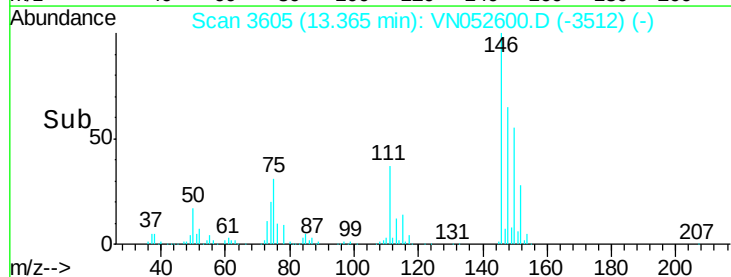
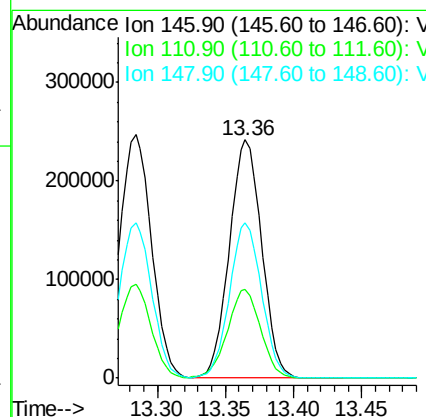
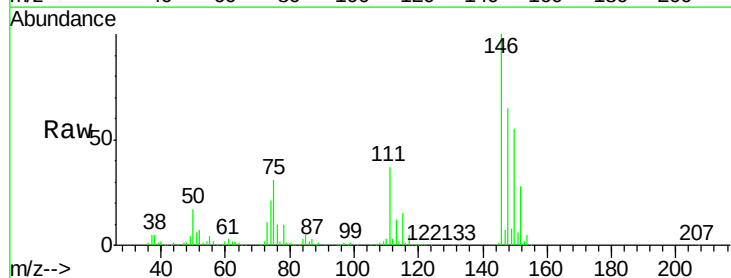
Manual Integrations
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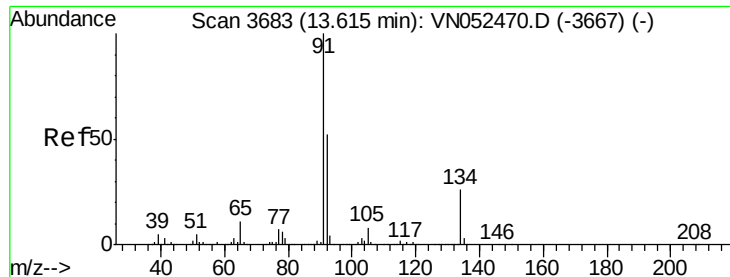
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#88
 1,4-Dichlorobenzene
 Concen: 19.549 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	64.3	31.9	95.9





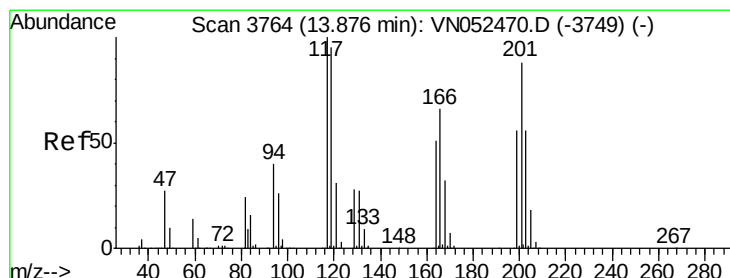
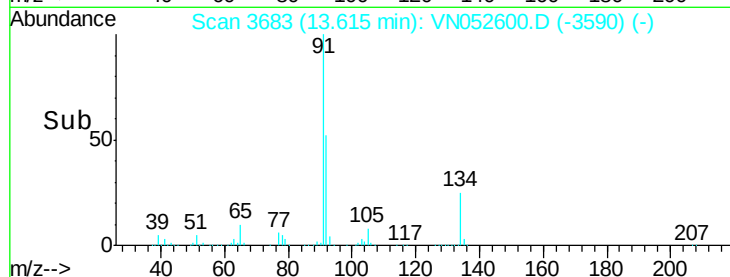
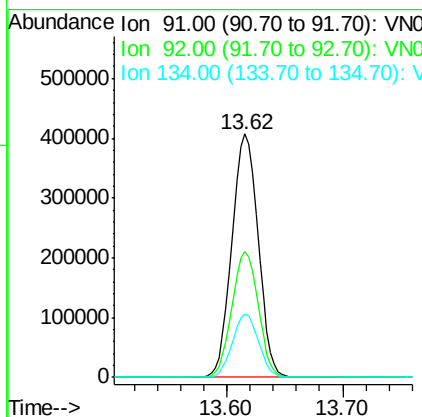
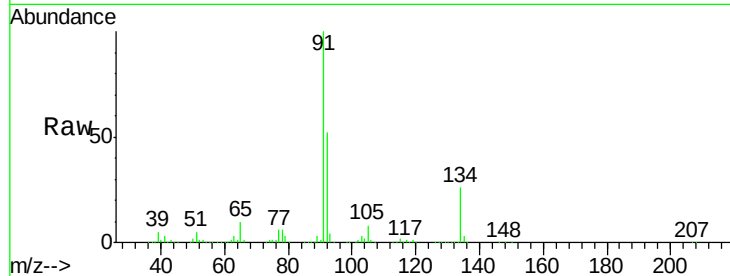
#89
n-Butylbenzene
Concen: 19.343 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Instrument :
MSVOA_N
ClientSampleId :
VN1130WBS02

Tgt Ion: 91 Resp: 634492
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.3
134 25.8 13.0 38.9

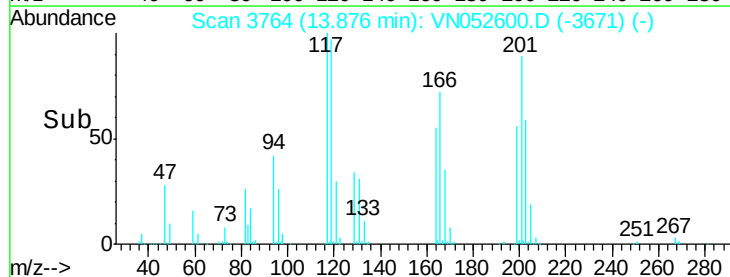
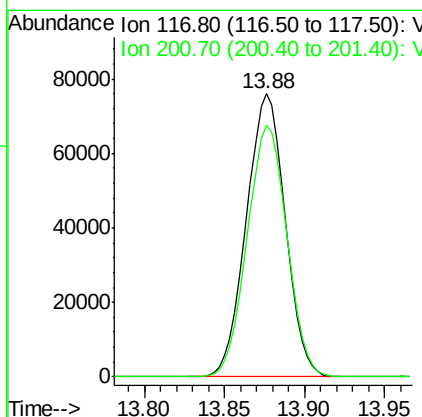
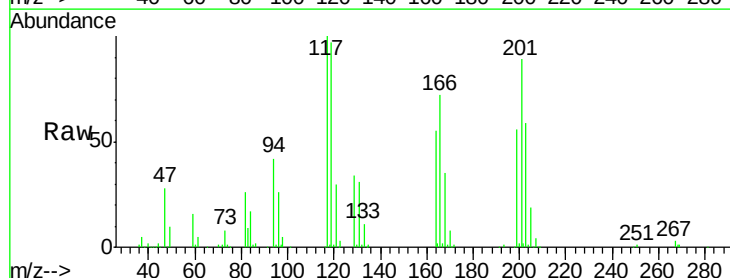
Manual Integrations
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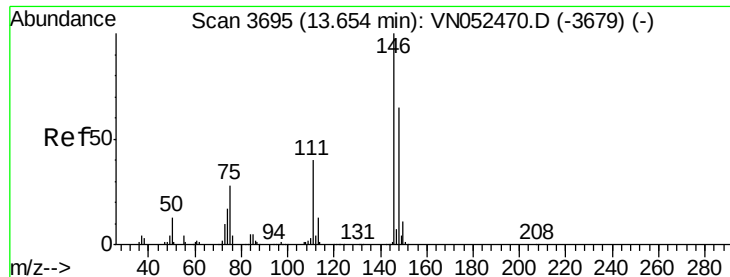
MMDadoda
12/3/2018 10:49:33 AM



#90
Hexachloroethane
Concen: 18.933 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052600.D
Acq: 30 Nov 2018 12:14

Tgt Ion: 117 Resp: 126440
Ion Ratio Lower Upper
117 100
201 90.7 43.6 130.9





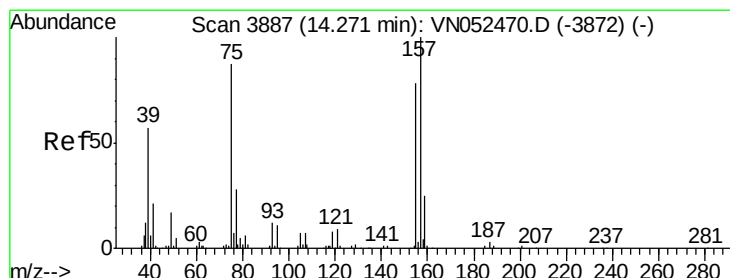
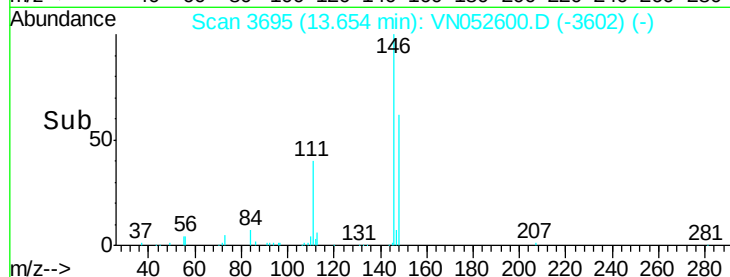
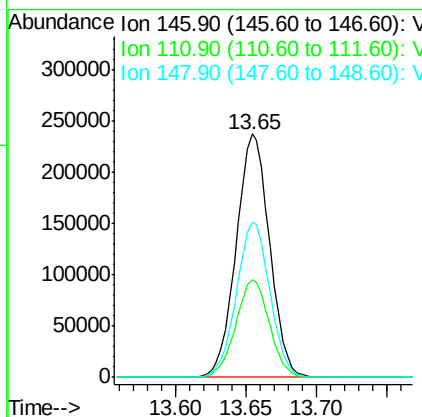
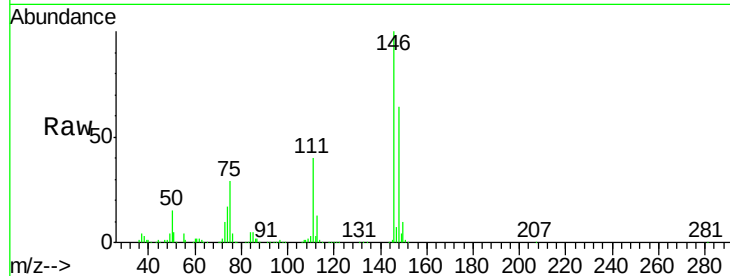
#91
 1,2-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	393211		
111	40.2	20.0	60.0	
148	63.9	32.0	96.2	

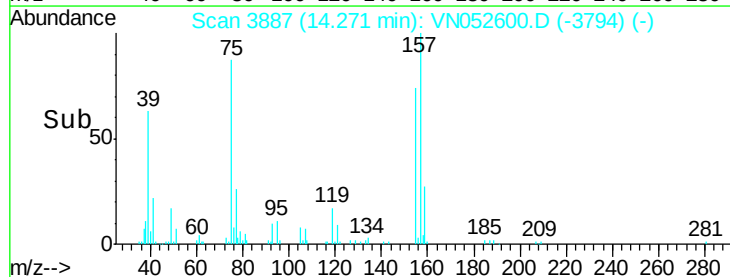
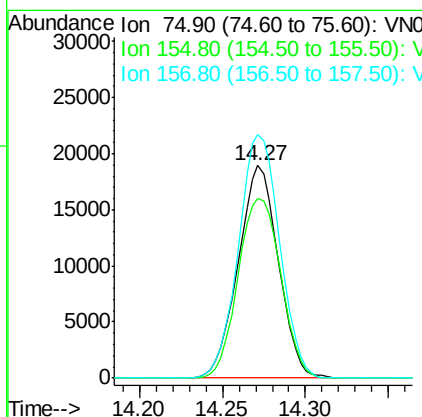
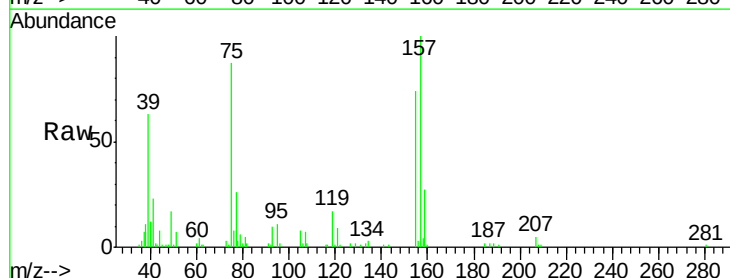
Manual Integrations
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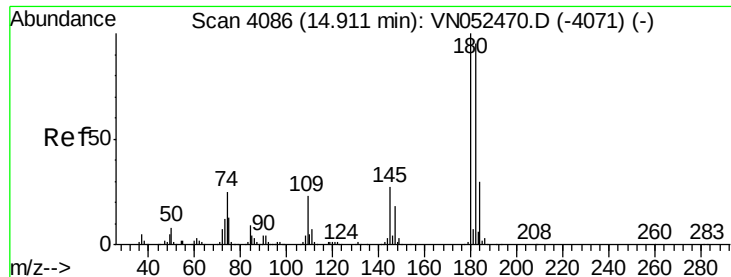
MMDadoda
 12/3/2018 10:49:33 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.488 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31874		
155	89.7	45.3	135.9	
157	117.4	58.1	174.2	





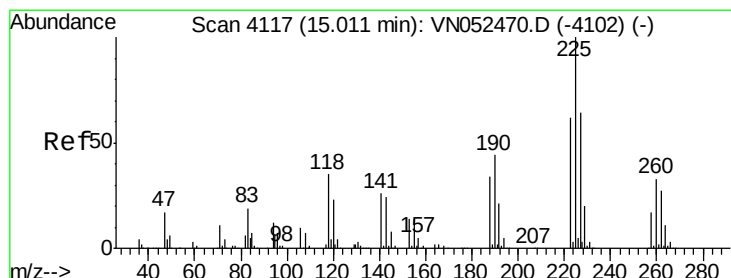
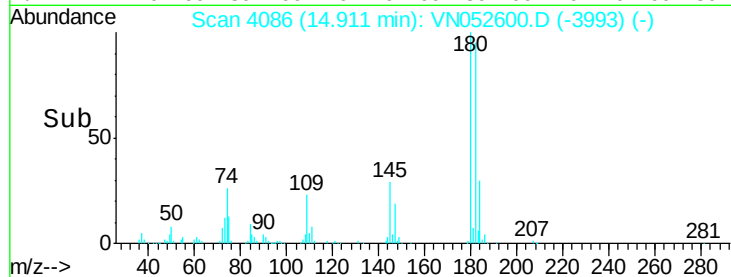
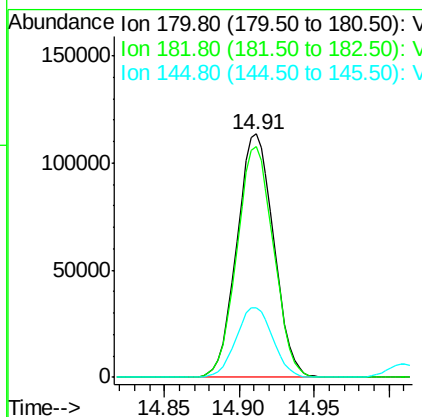
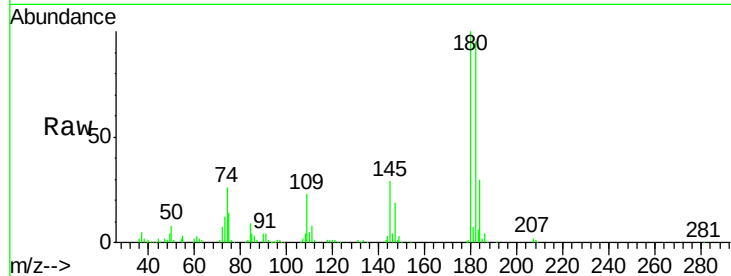
#93
 1,2,4-Trichlorobenzene
 Concen: 19.809 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1130WBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	194742		
182	94.1	47.8	143.4	
145	28.6	14.1	42.3	

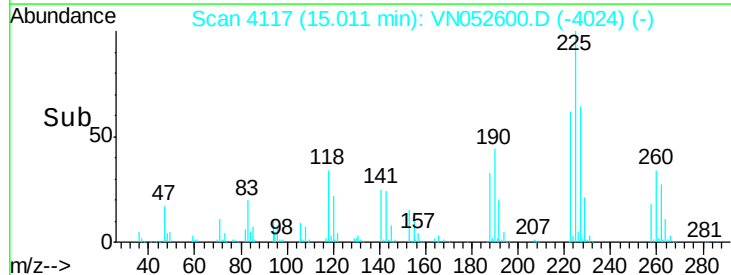
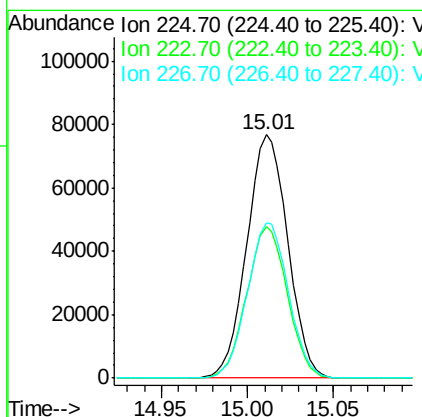
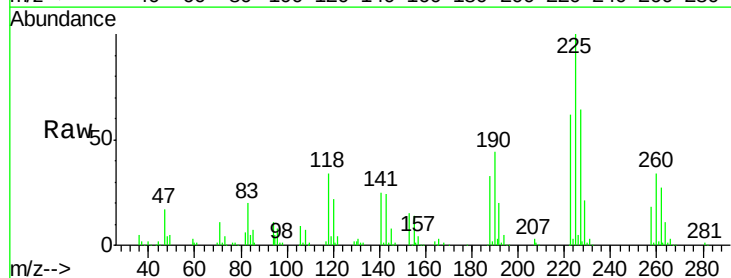
Manual Integrations
 APPROVED

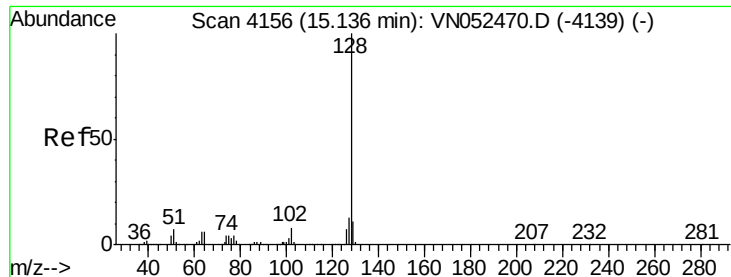
MMDadoda
 12/3/2018 10:49:33 AM



#94
 Hexachlorobutadiene
 Concen: 19.988 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052600.D
 Acq: 30 Nov 2018 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	127008		
223	61.7	31.4	94.2	
227	63.7	32.5	97.4	





#95

Naphthalene

Concen: 19.851 ug/l

RT: 15.13 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Instrument :

MSVOA_N

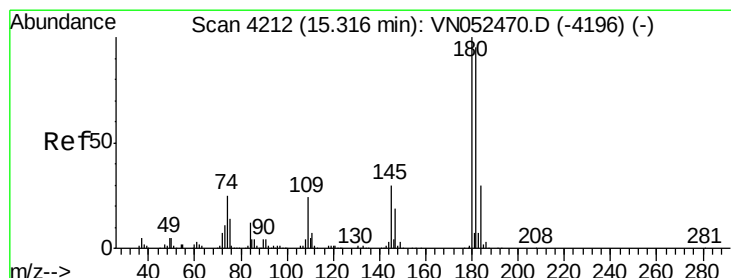
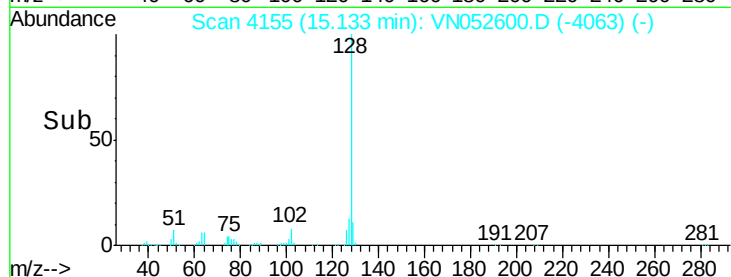
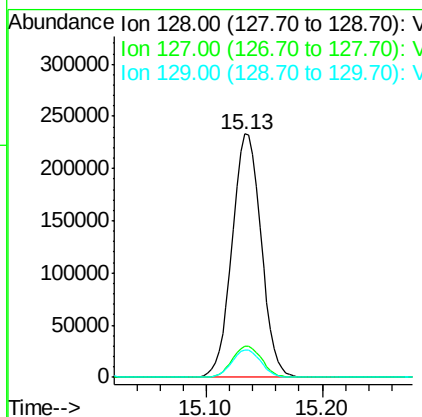
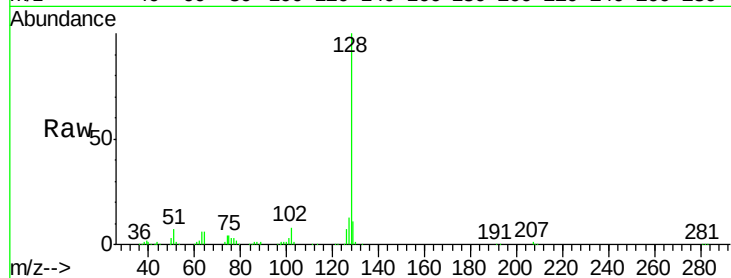
ClientSampleId :

VN1130WBS02

Tgt Ion:	128	Resp:	404586
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/3/2018 10:49:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.447 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052600.D

Acq: 30 Nov 2018 12:14

Tgt Ion:	180	Resp:	186456
Ion Ratio		Lower	Upper
180	100		
182	93.5	47.8	143.3
145	29.2	15.2	45.5

