

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120418\
 Data File : VN052647.D
 Acq On : 4 Dec 2018 12:00
 Operator : MD\SY
 Sample : VN1204WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 9:13:04 AM

Quant Time: Dec 05 03:32:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1144547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1742647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1523071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	705130	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	622246	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.59	113	562214	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
50) Toluene-d8	10.09	98	2151800	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	731252	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	192198	17.934	ug/l	100
3) Chloromethane	2.06	50	240655	17.012	ug/l	99
4) Vinyl Chloride	2.19	62	254149	17.489	ug/l	98
5) Bromomethane	2.57	94	156935	17.308	ug/l	97
6) Chloroethane	2.71	64	153961	17.491	ug/l	98
7) Trichlorofluoromethane	3.02	101	335770	18.811	ug/l	98
8) Diethyl Ether	3.41	74	125988	19.113	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	218772	19.642	ug/l	99
10) Methyl Iodide	3.96	142	286984	19.345	ug/l	100
11) Tert butyl alcohol	4.78	59	63542	101.849	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	197276	18.400	ug/l	97
13) Acrolein	3.61	56	57527	53.054	ug/l	99
14) Allyl chloride	4.33	41	338739	18.332	ug/l	98
15) Acrylonitrile	4.99	53	375713	95.135	ug/l	99
16) Acetone	3.82	43	327277	99.568	ug/l	99
17) Carbon Disulfide	4.06	76	559408	16.580	ug/l	100
18) Methyl Acetate	4.32	43	185995	19.727	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	560609	19.653	ug/l	100
20) Methylene Chloride	4.55	84	233557	18.157	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	215190	18.793	ug/l	97
22) Diisopropyl ether	5.95	45	725616	18.695	ug/l	96
23) Vinyl Acetate	5.90	43	2287121	94.604	ug/l	98
24) 1,1-Dichloroethane	5.85	63	412028	18.592	ug/l	99
25) 2-Butanone	6.83	43	446684	95.876	ug/l	97
26) 2,2-Dichloropropane	6.83	77	309101	20.151	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	250716	18.796	ug/l	99
28) Bromochloromethane	7.20	49	199297	19.689	ug/l	95
29) Tetrahydrofuran	7.21	42	278797	92.777	ug/l	99
30) Chloroform	7.37	83	413273	18.691	ug/l	99
31) Cyclohexane	7.65	56	399861	18.411	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	342801	19.568	ug/l	99
36) 1,1-Dichloropropene	7.79	75	314931	19.137	ug/l	98
37) Ethyl Acetate	6.93	43	184301	18.351	ug/l	97
38) Carbon Tetrachloride	7.77	117	295250	19.819	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	384261	19.211	ug/l	98
40) Benzene	8.04	78	950603	19.383	ug/l	100
41) Methacrylonitrile	7.17	41	101842	18.548	ug/l	95
42) 1,2-Dichloroethane	8.12	62	293335	19.754	ug/l	100
43) Isopropyl Acetate	8.16	43	342202	20.134	ug/l	98
44) Trichloroethene	8.84	130	249320	19.847	ug/l	99
45) 1,2-Dichloropropane	9.12	63	253509	19.443	ug/l	99
46) Dibromomethane	9.21	93	144790	20.060	ug/l	97
47) Bromodichloromethane	9.40	83	312472	19.911	ug/l	98
48) Methyl methacrylate	9.20	41	171673	19.371	ug/l	98
49) 1,4-Dioxane	9.20	88	40048	435.424	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	949512	99.572	ug/l	99
52) Toluene	10.16	92	582129	19.978	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	303546	20.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	363130	20.071	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	207912	20.285	ug/l	98
56) Ethyl methacrylate	10.43	69	260130	19.986	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357601	19.759	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	735726	98.923	ug/l	98
59) 2-Hexanone	10.75	43	649924	101.549	ug/l	99
60) Dibromochloromethane	10.90	129	225586	20.264	ug/l	99
61) 1,2-Dibromoethane	11.01	107	203356	19.976	ug/l	99
64) Tetrachloroethene	10.63	164	248675	21.058	ug/l	99
65) Chlorobenzene	11.43	112	638935	20.345	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	223859	20.500	ug/l	99
67) Ethyl Benzene	11.51	91	1113200	20.241	ug/l	100
68) m/p-Xylenes	11.62	106	835228	40.795	ug/l	99
69) o-Xylene	11.95	106	406707	20.456	ug/l	100
70) Styrene	11.96	104	657064	20.749	ug/l	99
71) Bromoform	12.13	173	149959	20.740	ug/l #	100
73) Isopropylbenzene	12.25	105	1097357	19.836	ug/l	99
74) N-amyl acetate	12.07	43	269250	19.265	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	246923	19.621	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	206046m	18.949	ug/l	
77) Bromobenzene	12.53	156	267774	19.583	ug/l	98
78) n-propylbenzene	12.59	91	1250490	19.897	ug/l	99
79) 2-Chlorotoluene	12.68	91	734558	19.627	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	895929	20.306	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	63176	19.403	ug/l	96
82) 4-Chlorotoluene	12.77	91	738718	19.584	ug/l	99
83) tert-Butylbenzene	12.99	119	790950	20.108	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	901737	20.393	ug/l	100
85) sec-Butylbenzene	13.17	105	1080143	20.161	ug/l	100
86) p-Isopropyltoluene	13.29	119	922056	20.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	472516	19.755	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	469444	19.925	ug/l	99
89) n-Butylbenzene	13.62	91	767697	20.230	ug/l	100
90) Hexachloroethane	13.88	117	151147	19.563	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	455654	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35160	19.535	ug/l	98

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ClientSampleId :
VN1204WBS01

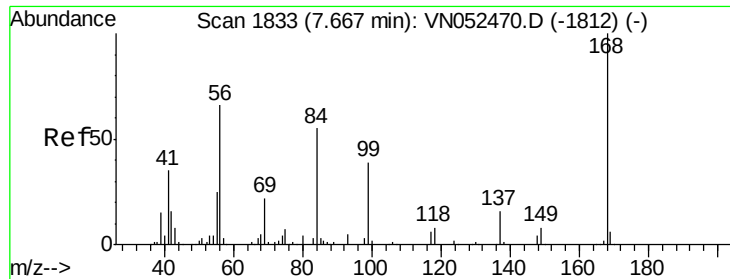
Manual Integrations
APPROVED

MMDadoda
12/5/2018 9:13:04 AM

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	223199	19.650	ug/l	99
94) Hexachlorobutadiene	15.01	225	154254	20.982	ug/l	98
95) Naphthalene	15.13	128	449788	19.209	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	212926	20.217	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion:168 Resp: 1144547

Ion Ratio Lower Upper

168 100

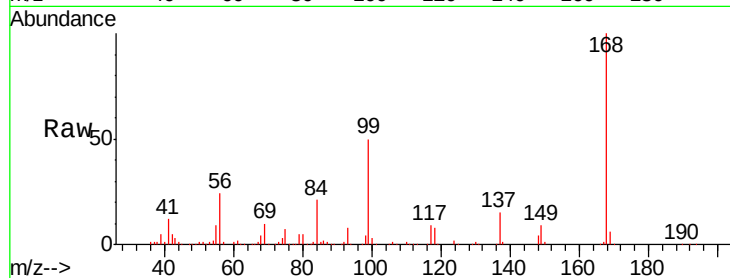
99 50.3 41.7 62.5

Manual Integrations

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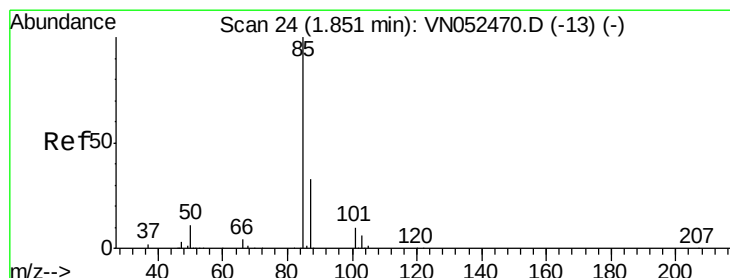
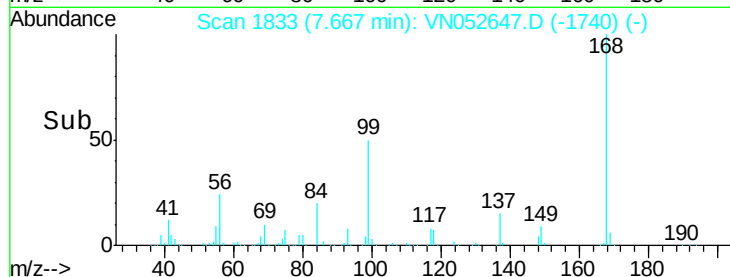
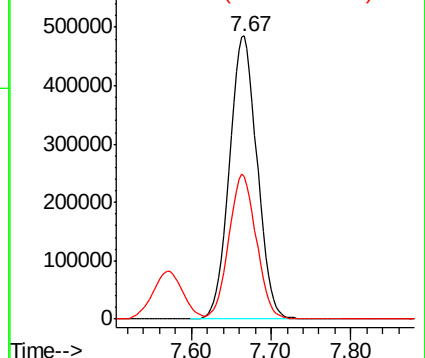
MMDadoda

12/5/2018 9:13:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 17.934 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052647.D

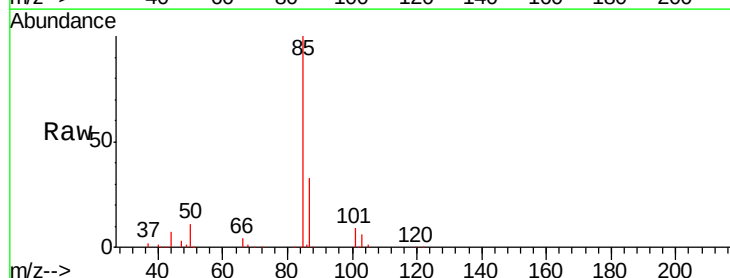
Acq: 4 Dec 2018 12:00

Tgt Ion: 85 Resp: 192198

Ion Ratio Lower Upper

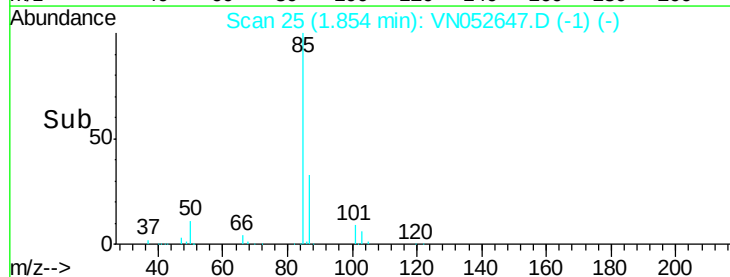
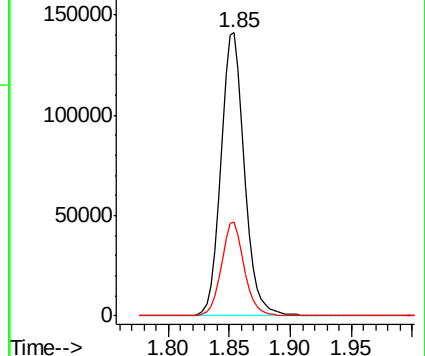
85 100

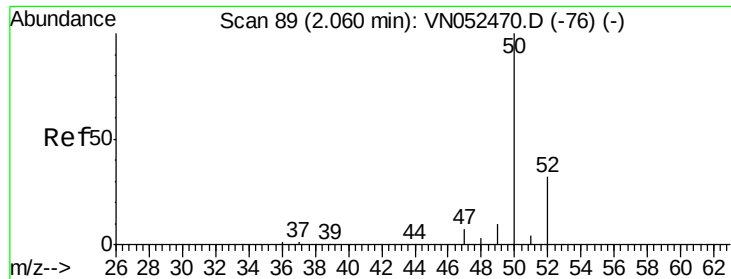
87 33.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 17.012 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 50 Resp: 240655

Ion Ratio Lower Upper

50 100

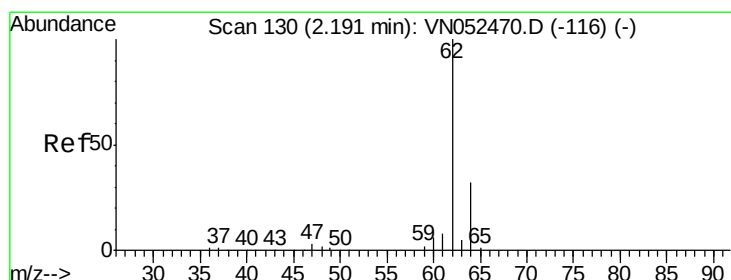
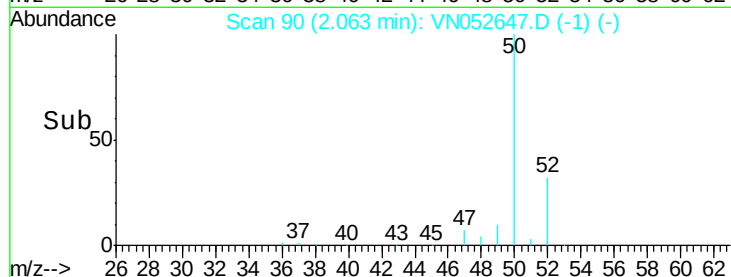
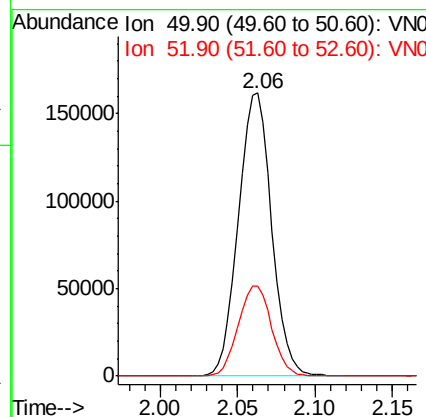
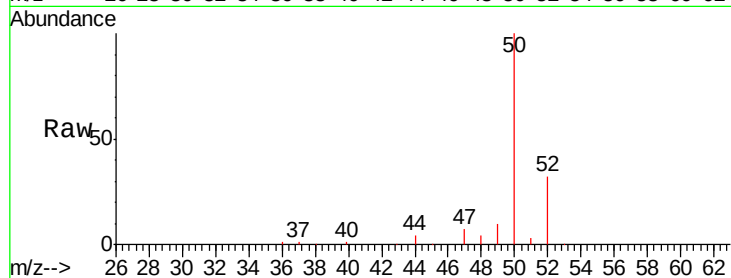
52 31.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.489 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052647.D

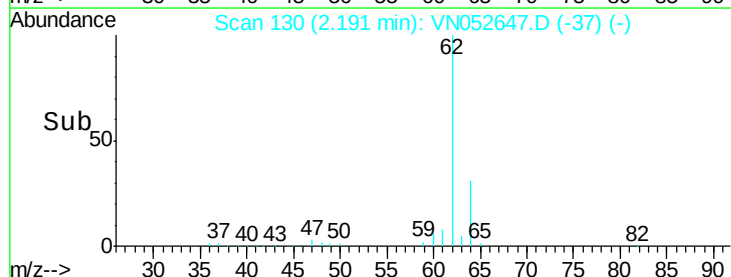
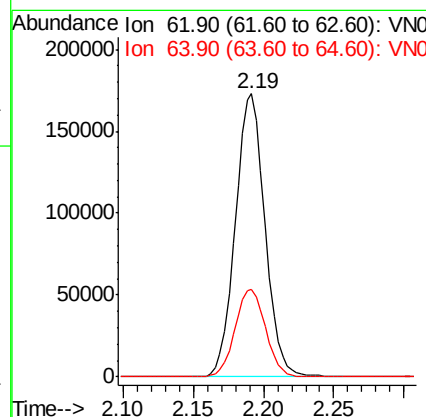
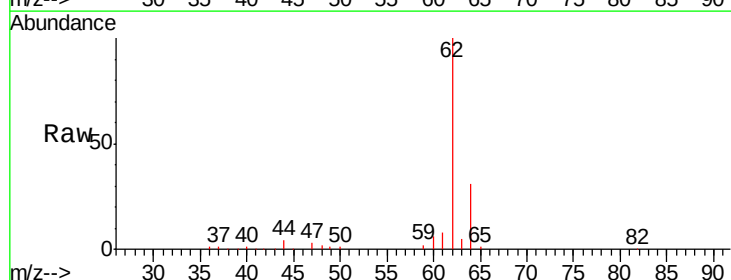
Acq: 4 Dec 2018 12:00

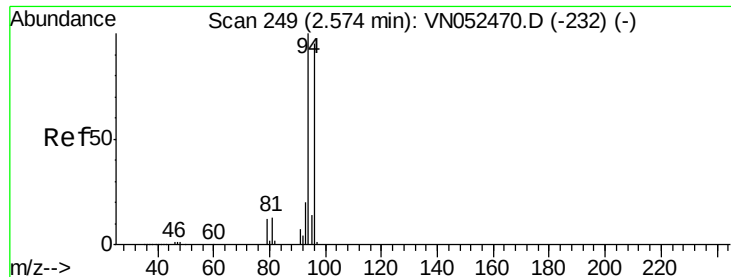
Tgt Ion: 62 Resp: 254149

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2





#5

Bromomethane

Concen: 17.308 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 94 Resp: 156935

Ion Ratio Lower Upper

94 100

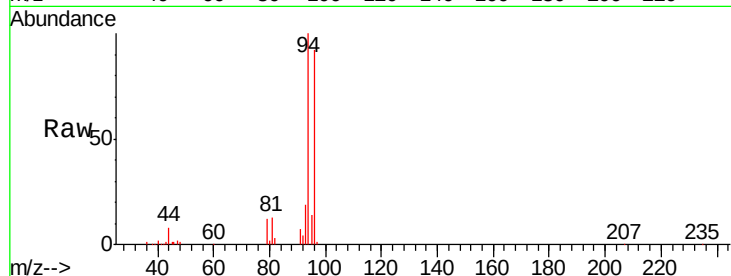
96 91.8 75.8 113.8

Manual Integrations

APPROVED

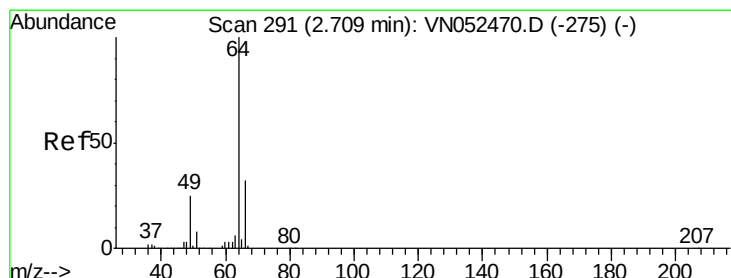
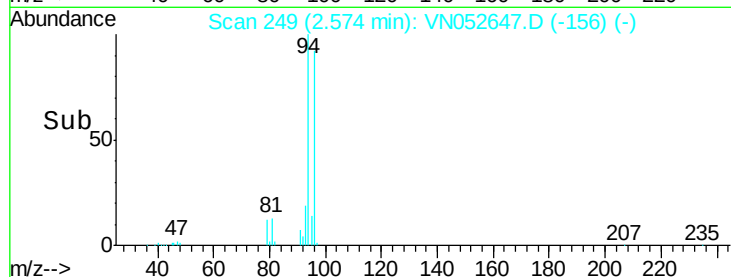
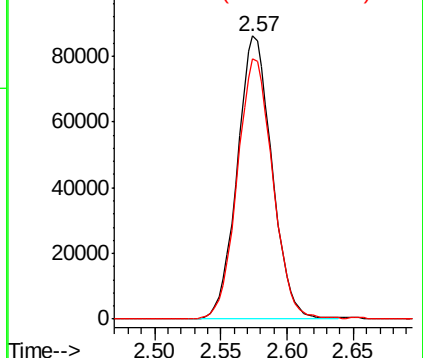
MMDadoda

12/5/2018 9:13:04 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.491 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052647.D

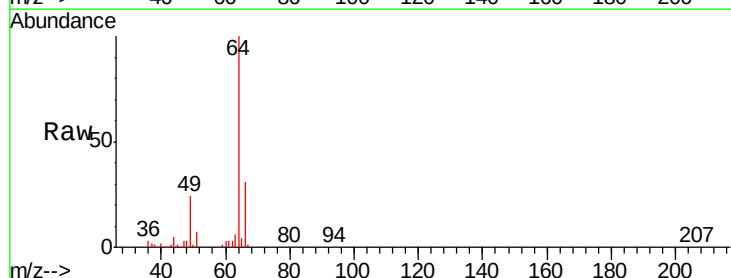
Acq: 4 Dec 2018 12:00

Tgt Ion: 64 Resp: 153961

Ion Ratio Lower Upper

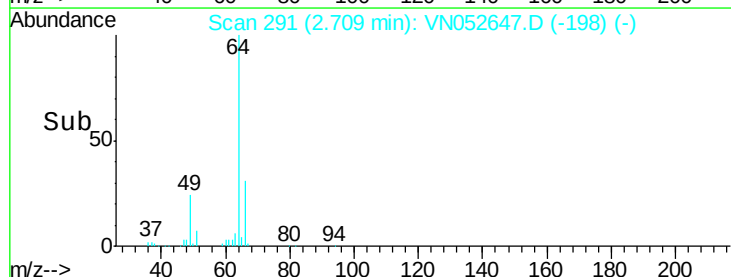
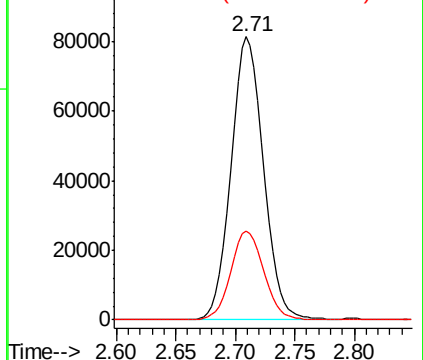
64 100

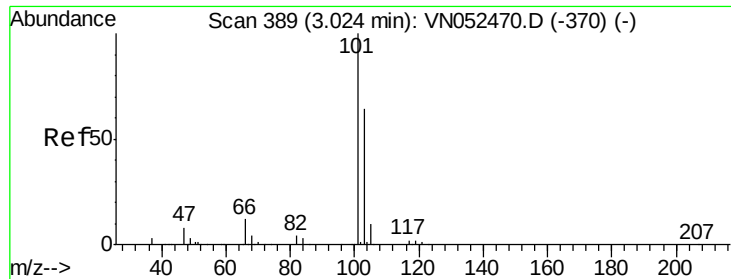
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

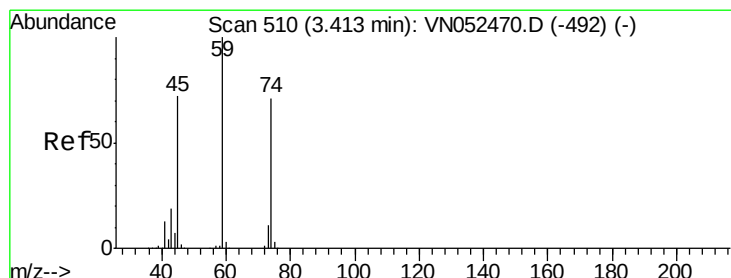
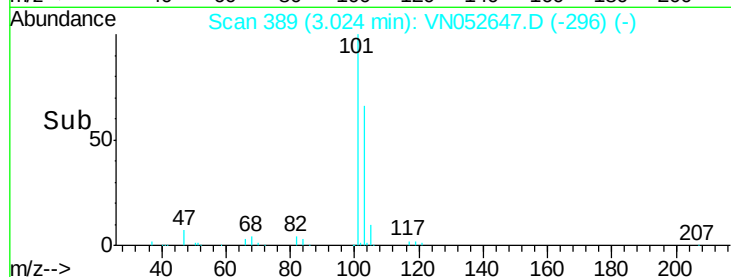
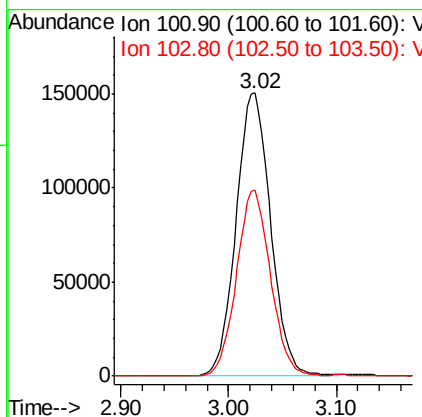
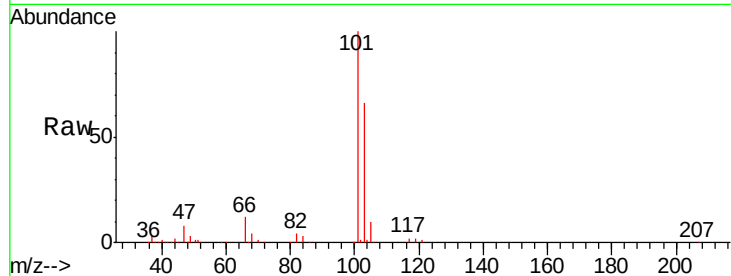
Trichlorofluoromethane
Concen: 18.811 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.2

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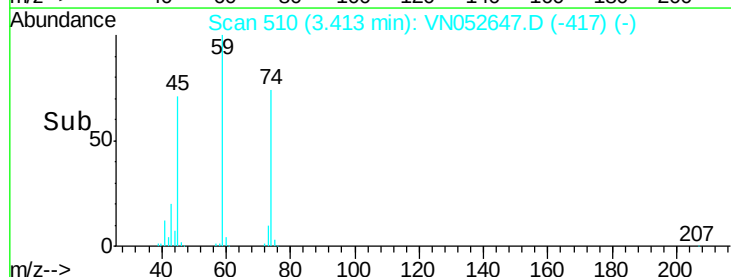
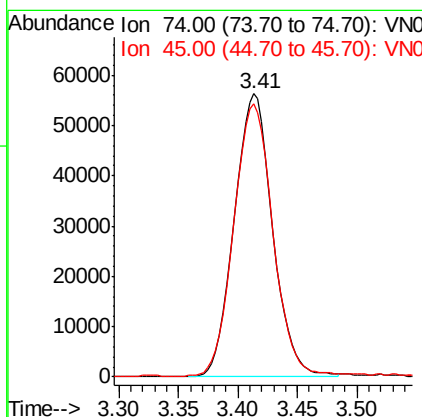
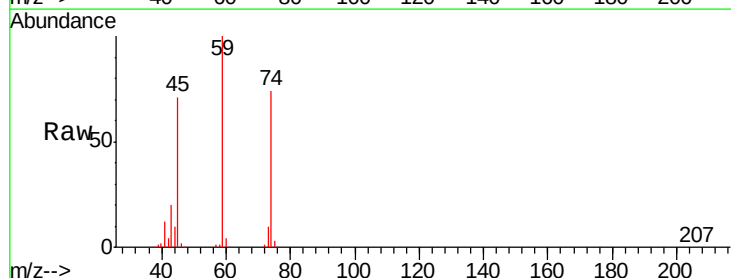
MMDadoda
12/5/2018 9:13:04 AM

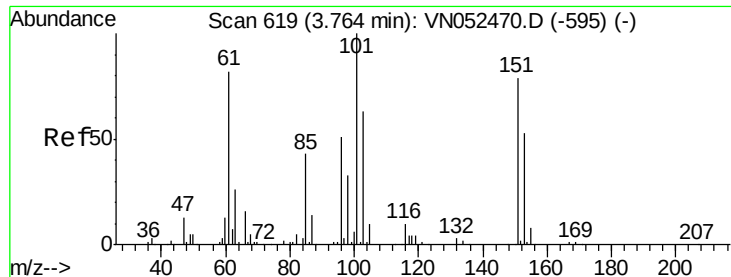


#8

Diethyl Ether
Concen: 19.113 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.1	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.642 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

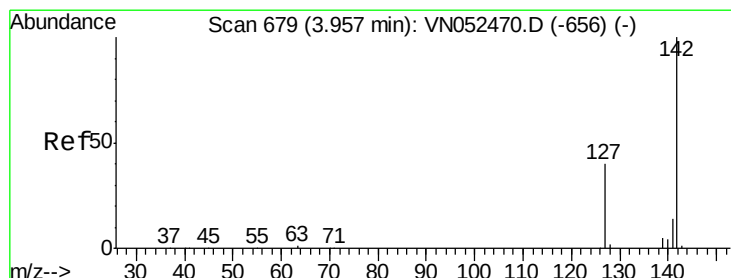
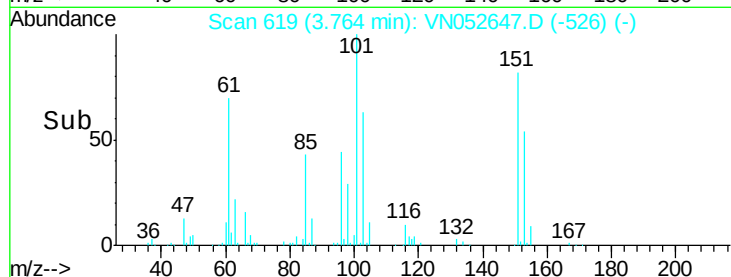
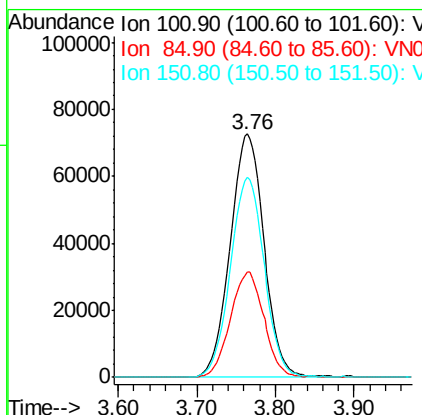
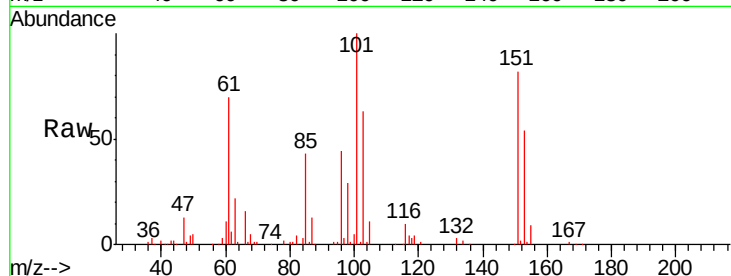
ClientSampleId :

VN1204WBS01

Tgt Ion:	101	Resp:	218772
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	82.1	64.6	96.8

Manual Integrations
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MMDadoda
12/5/2018 9:13:04 AM



#10

Methyl Iodide

Concen: 19.345 ug/l

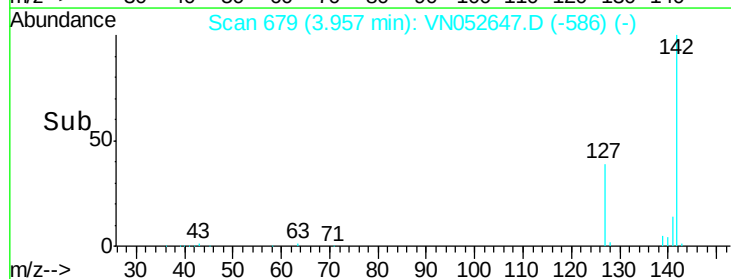
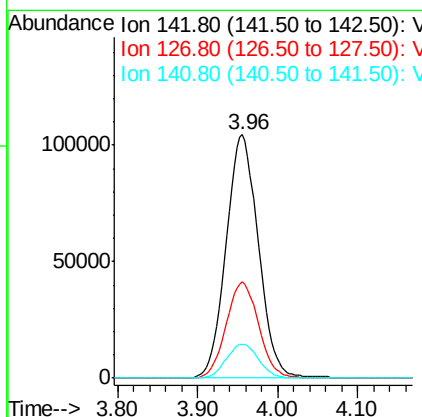
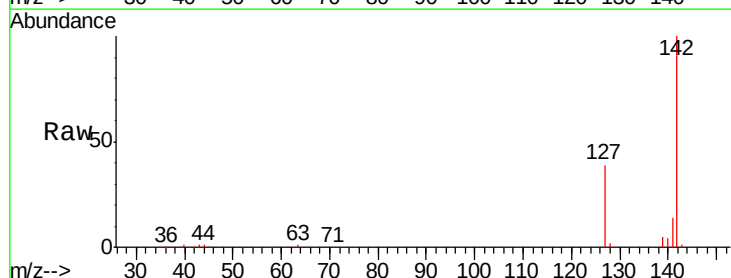
RT: 3.96 min Scan# 679

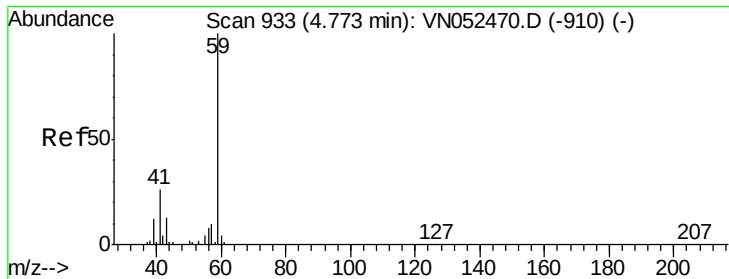
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	142	Resp:	286984
Ion Ratio	Lower	Upper	
142	100		
127	39.7	31.8	47.6
141	13.9	11.4	17.0





#11

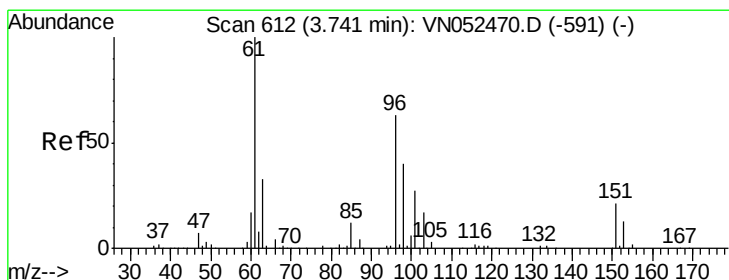
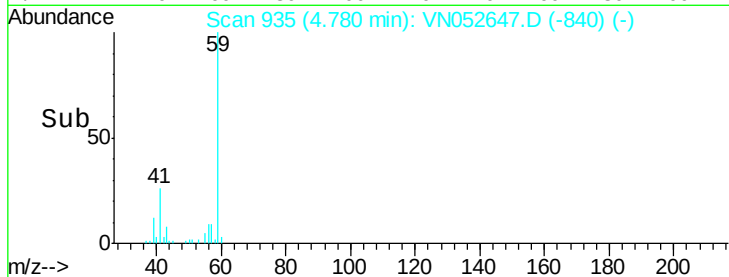
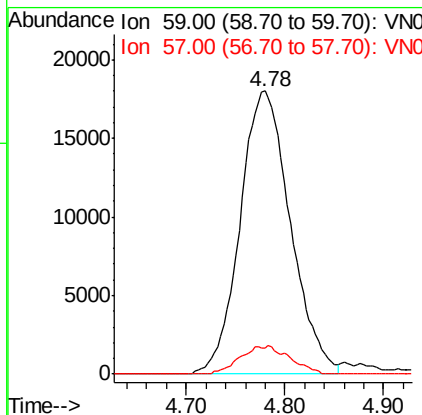
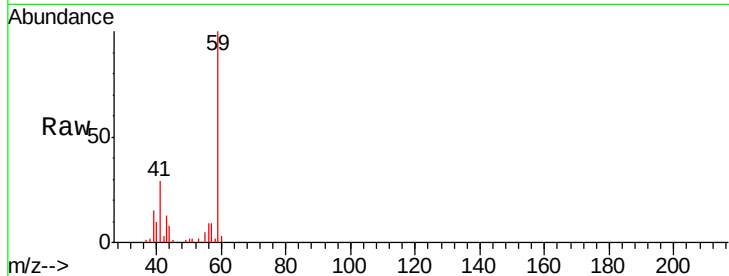
Tert butyl alcohol
 Concen: 101.849 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion: 59 Resp: 63542
 Ion Ratio Lower Upper
 59 100
 57 4.6 7.9 11.9#

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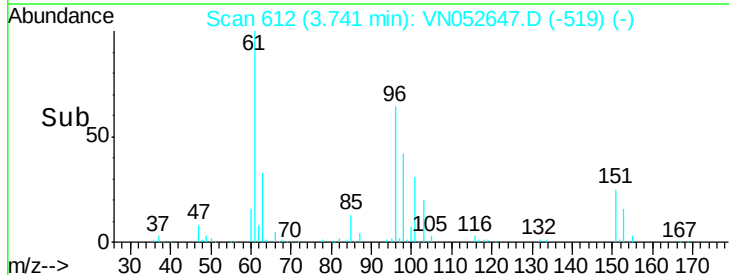
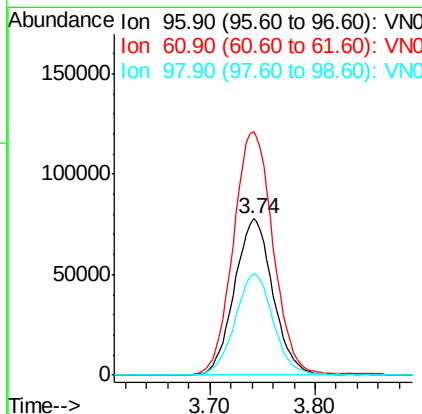
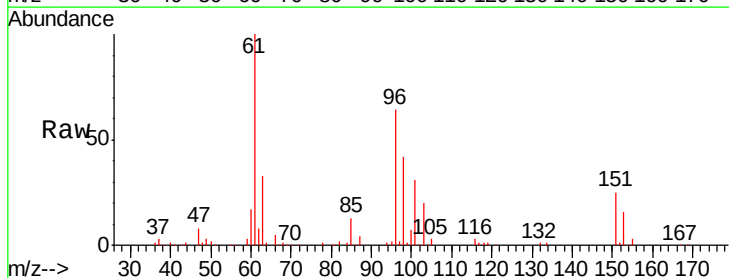
MMDadoda
 12/5/2018 9:13:04 AM

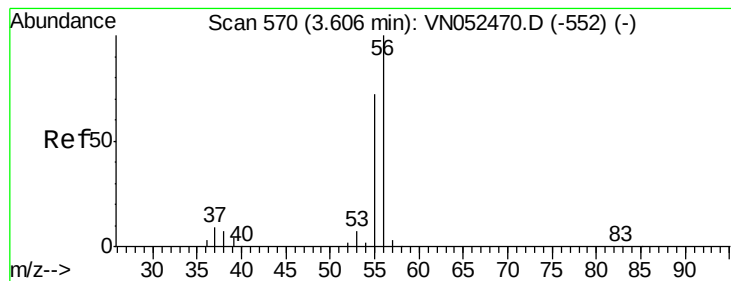


#12

1,1-Dichloroethene
 Concen: 18.400 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 96 Resp: 197276
 Ion Ratio Lower Upper
 96 100
 61 155.5 127.0 190.6
 98 64.9 50.3 75.5





#13

Acrolein

Concen: 53.054 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 56 Resp: 57527

Ion Ratio Lower Upper

56 100

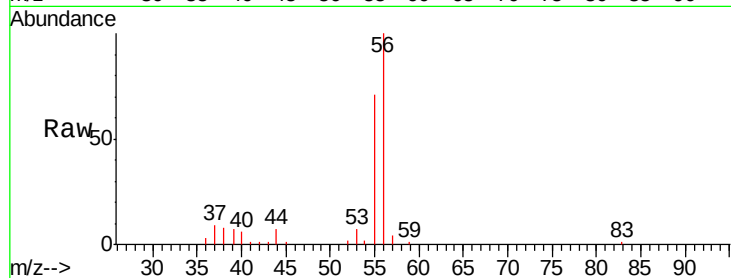
55 70.4 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

5000

0

3.50

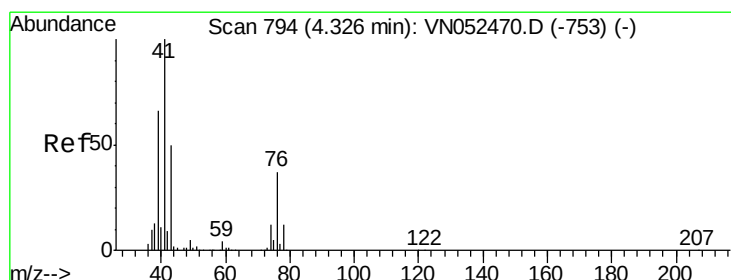
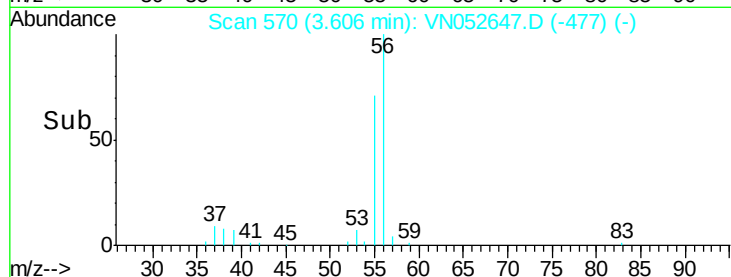
3.55

3.60

3.65

3.70

Time-->



#14

Allyl chloride

Concen: 18.332 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

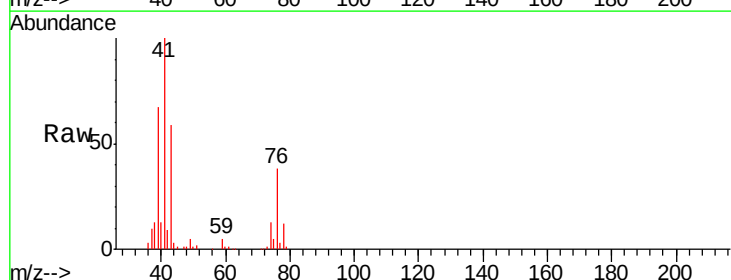
Tgt Ion: 41 Resp: 338739

Ion Ratio Lower Upper

41 100

39 65.1 50.6 76.0

76 35.3 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

150000

100000

50000

0

4.10

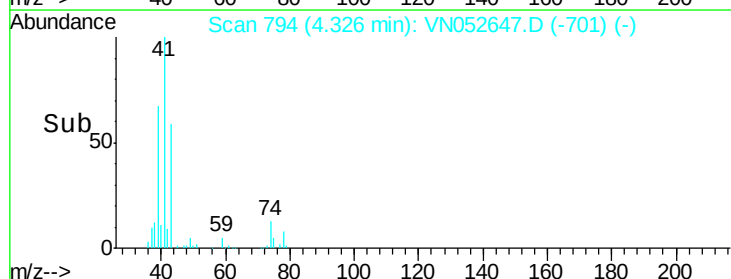
4.20

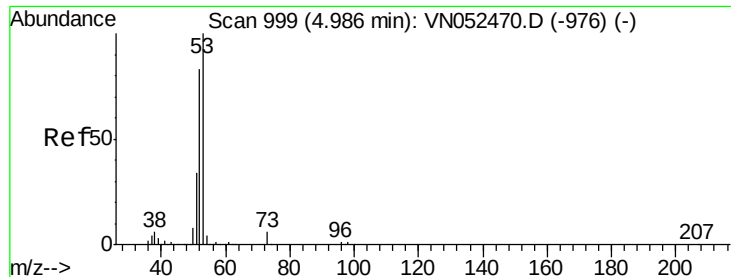
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 95.135 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

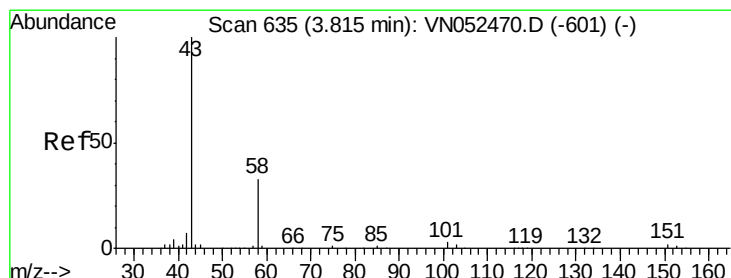
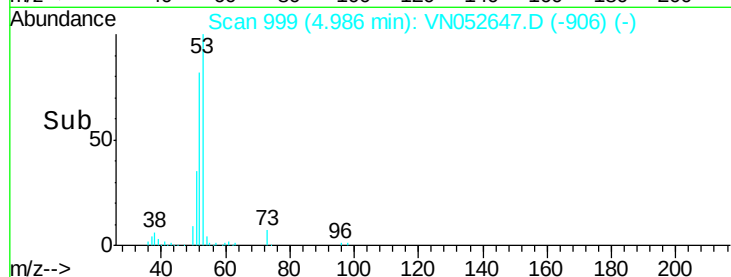
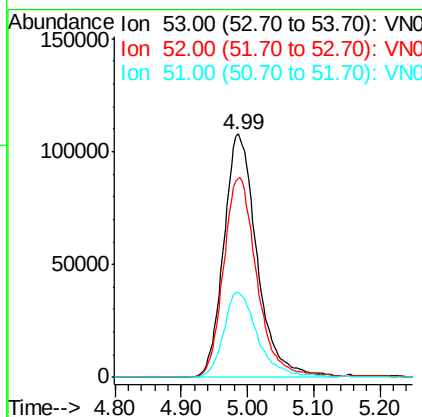
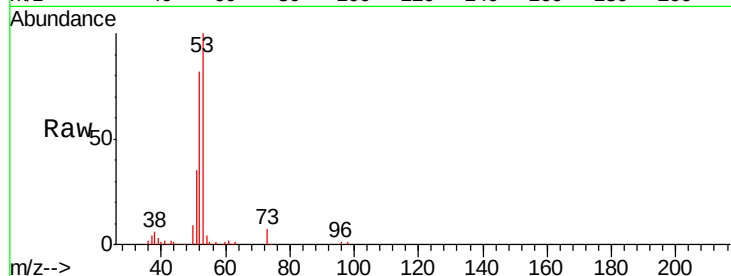
ClientSampleId :

VN1204WBS01

Tgt Ion:	53	Resp:	375713
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	35.3	28.1	42.1

Manual Integrations
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MMDadoda
12/5/2018 9:13:04 AM



#16

Acetone

Concen: 99.568 ug/l

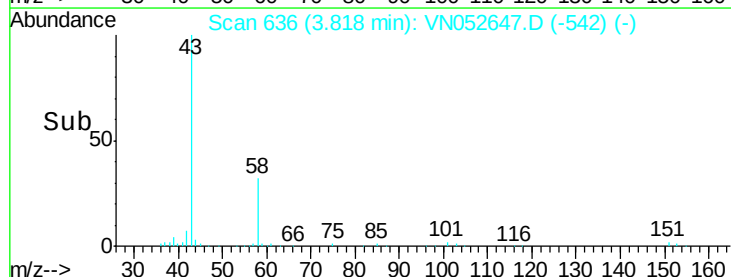
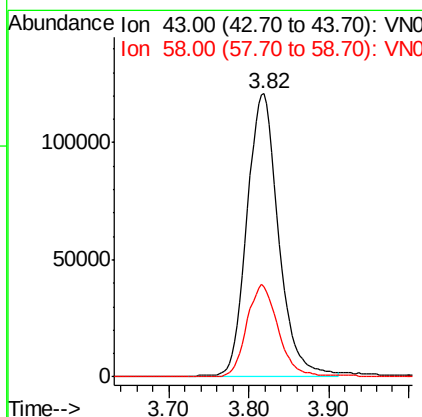
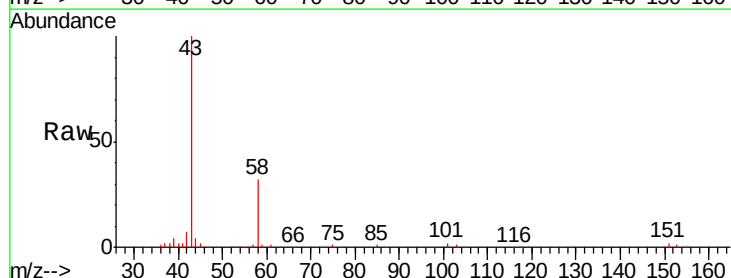
RT: 3.82 min Scan# 636

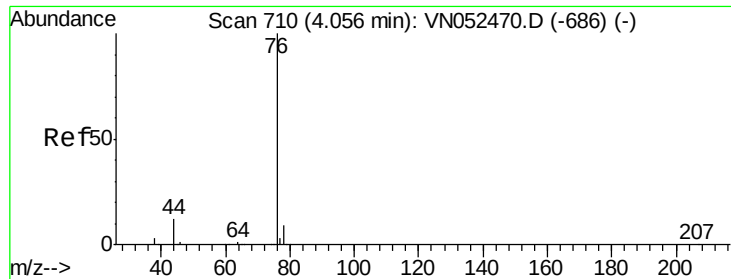
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	43	Resp:	327277
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.0	39.0





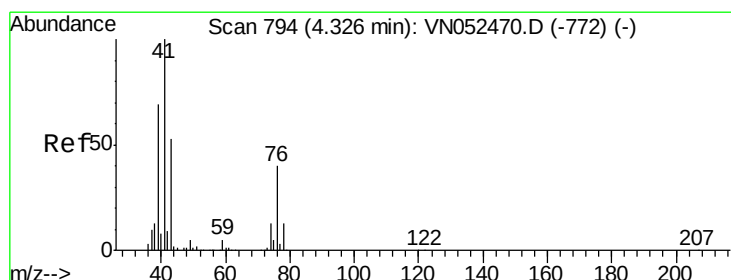
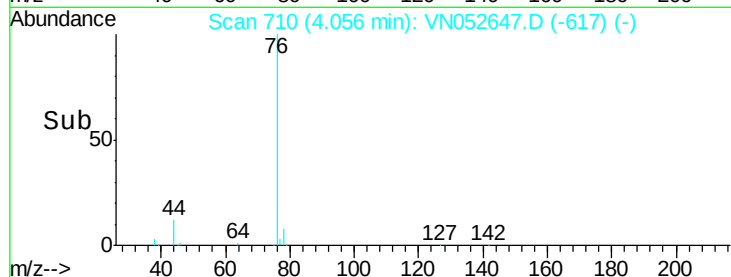
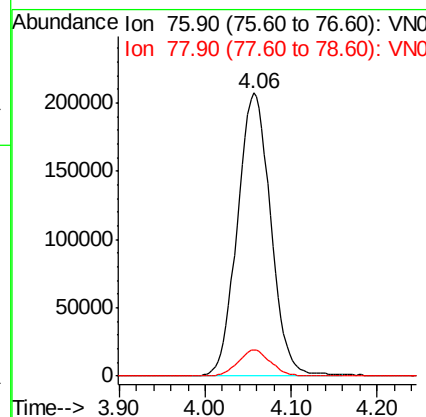
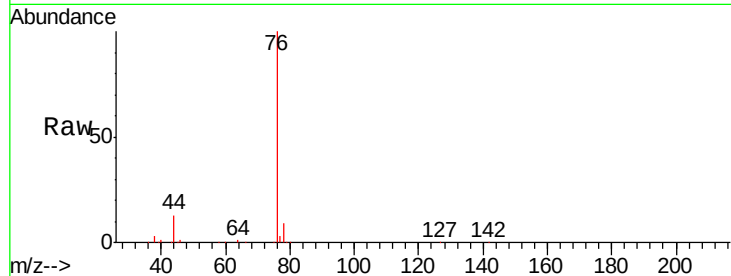
#17
Carbon Disulfide
Concen: 16.580 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

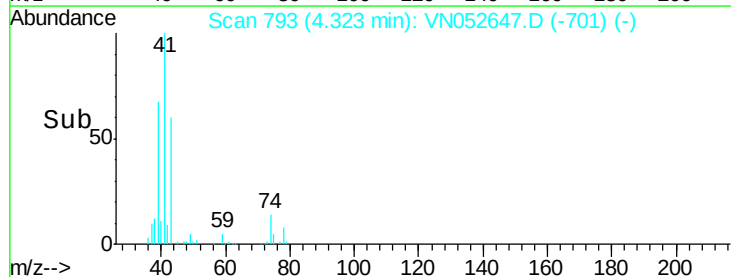
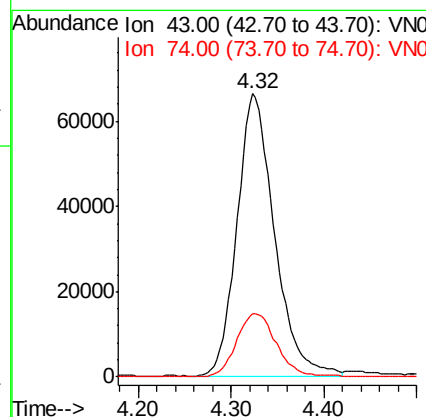
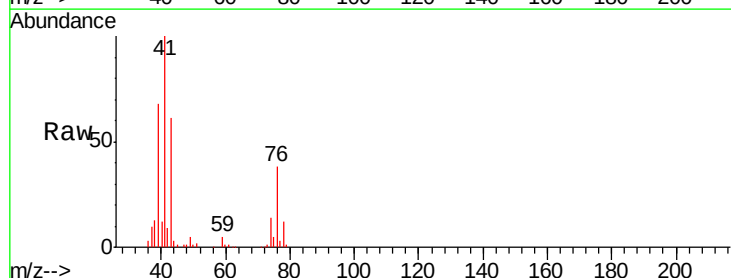
Manual Integrations
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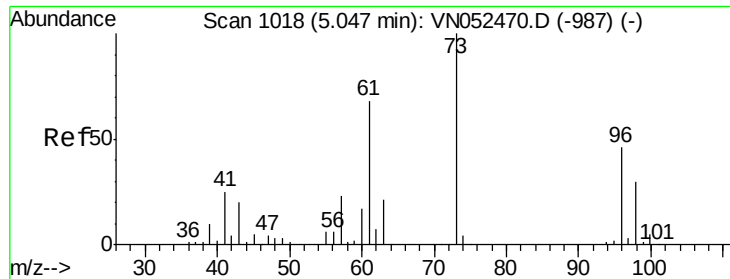
MMDadoda
12/5/2018 9:13:04 AM



#18
Methyl Acetate
Concen: 19.727 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.6	27.8





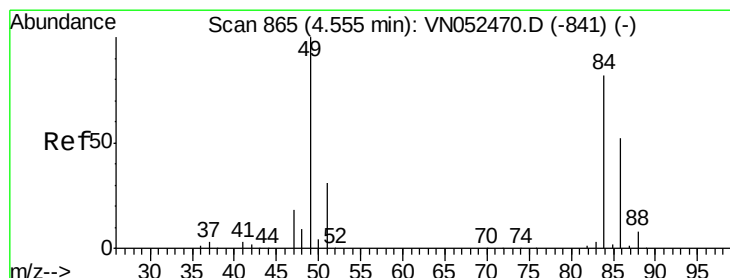
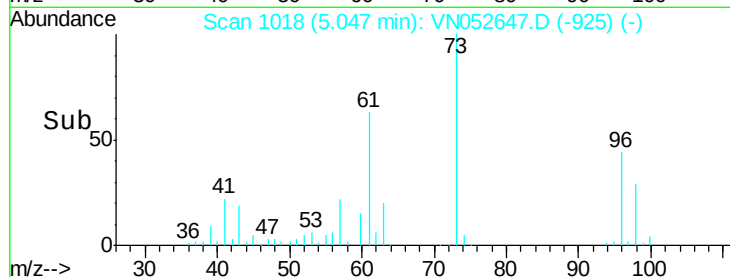
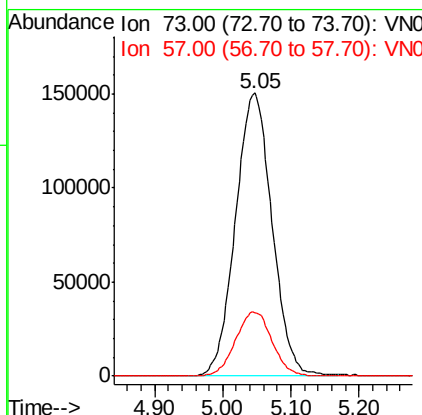
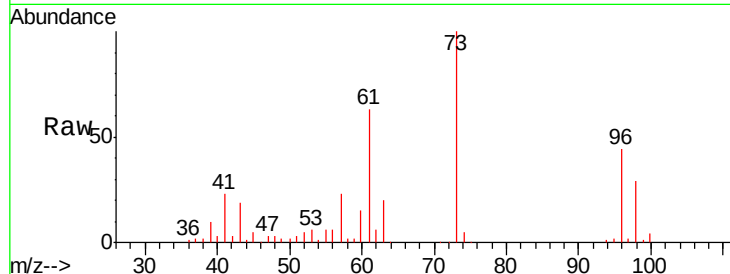
#19
Methyl tert-butyl Ether
Concen: 19.653 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion: 73 Resp: 560609
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

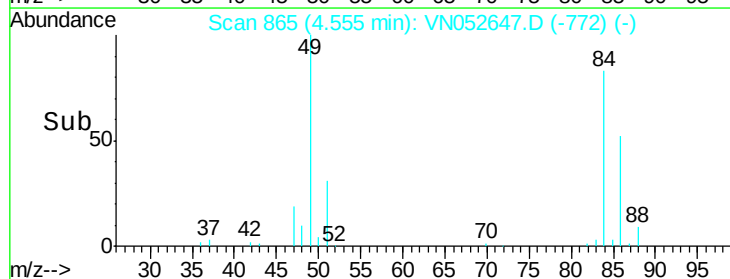
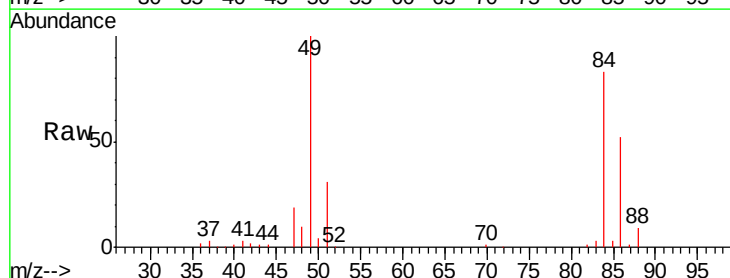
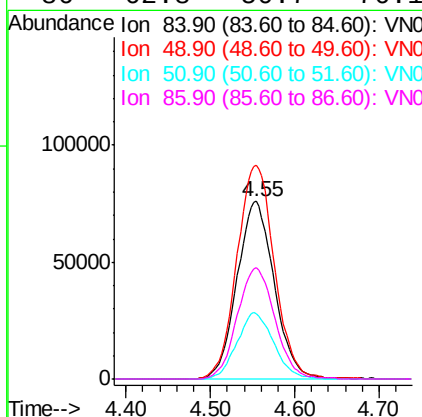
Manual Integrations
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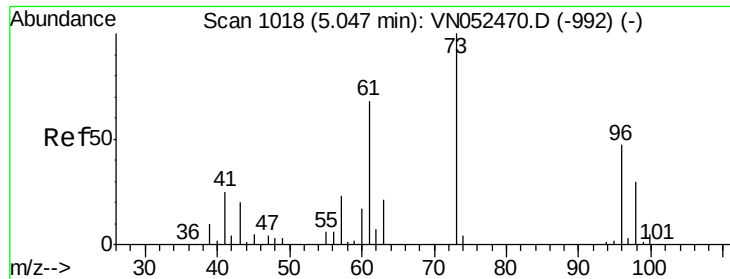
MMDadoda
12/5/2018 9:13:04 AM



#20
Methylene Chloride
Concen: 18.157 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 84 Resp: 233557
Ion Ratio Lower Upper
84 100
49 120.3 98.0 147.0
51 36.9 30.1 45.1
86 62.8 50.7 76.1





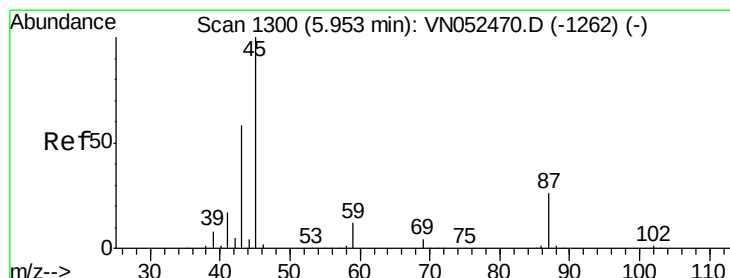
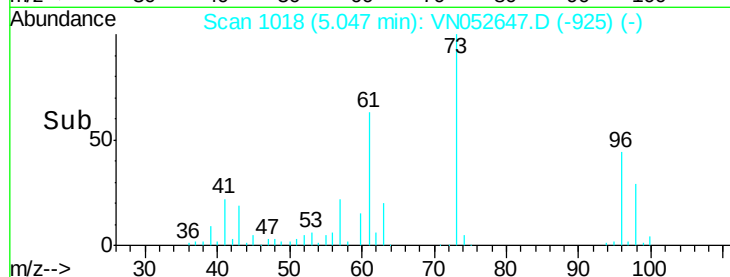
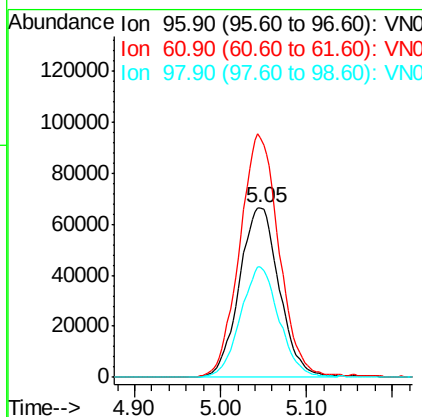
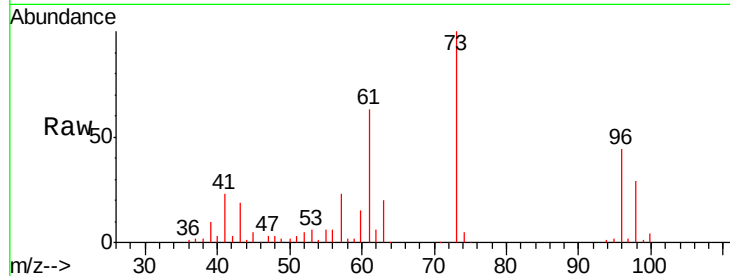
#21
trans-1,2-Dichloroethene
Concen: 18.793 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.0	117.0	175.4
98	64.8	51.8	77.6

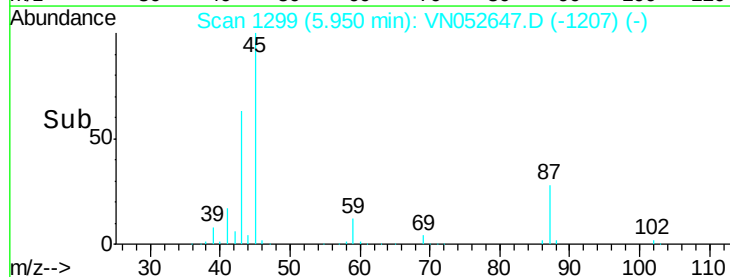
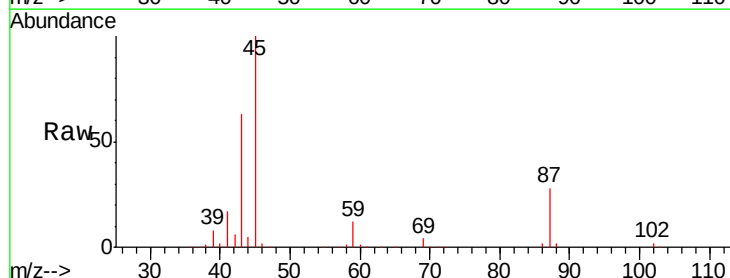
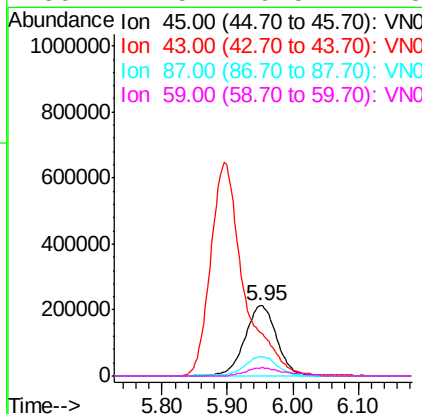
Manual Integrations
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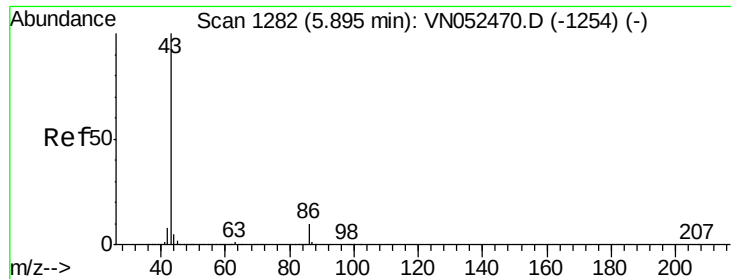
MMDadoda
12/5/2018 9:13:04 AM



#22
Diisopropyl ether
Concen: 18.695 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	46.1	69.1
87	27.6	21.3	31.9
59	11.5	9.5	14.3





#23

Vinyl Acetate

Concen: 94.604 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 43 Resp: 2287121

Ion Ratio Lower Upper

43 100

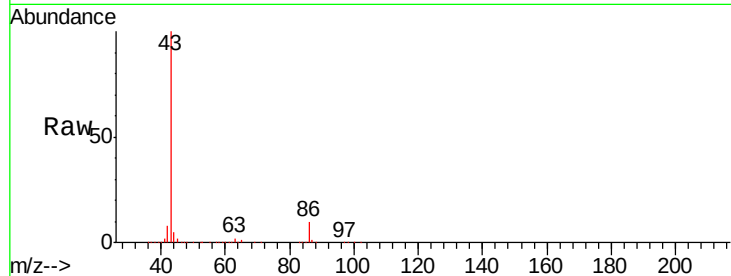
86 10.4 7.8 11.8

Manual Integrations

APPROVED

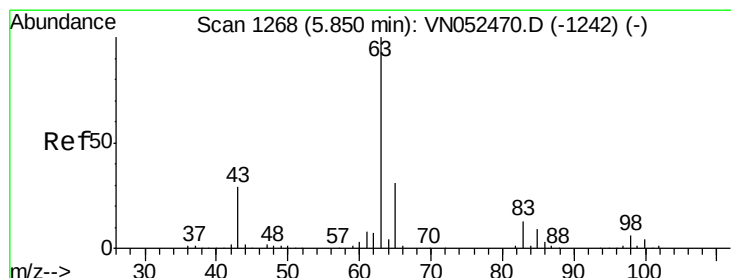
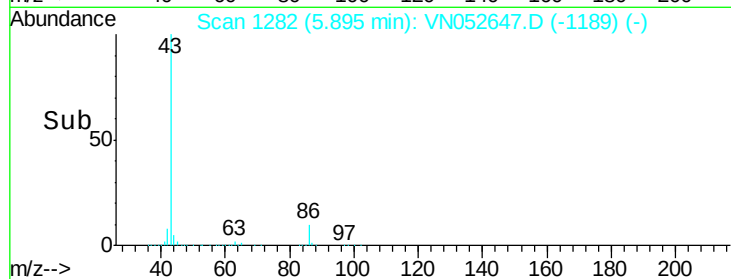
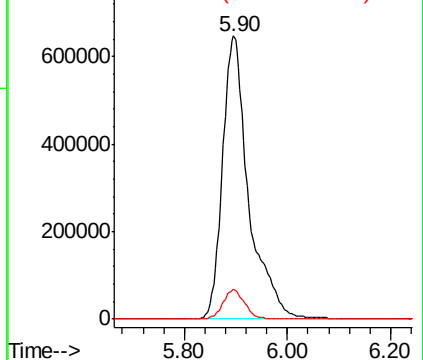
MMDadoda

12/5/2018 9:13:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.592 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

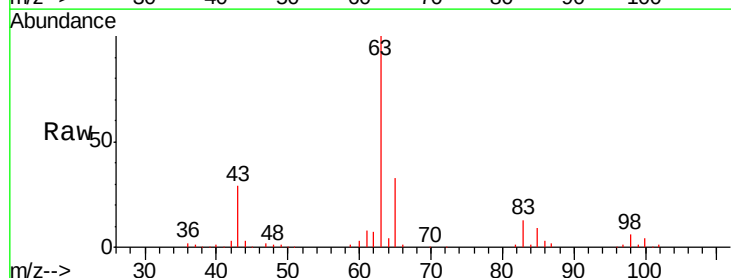
Tgt Ion: 63 Resp: 412028

Ion Ratio Lower Upper

63 100

98 6.5 3.0 9.2

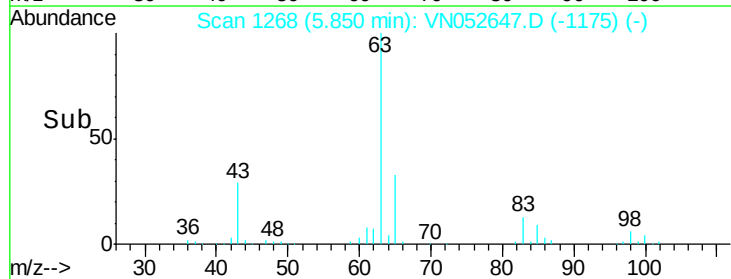
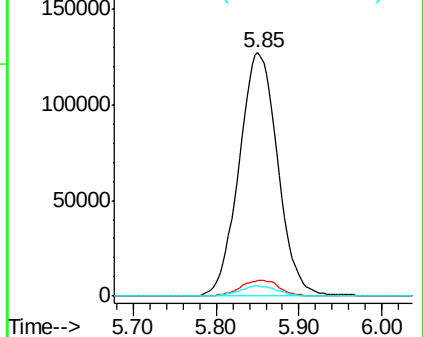
100 4.2 2.0 5.8

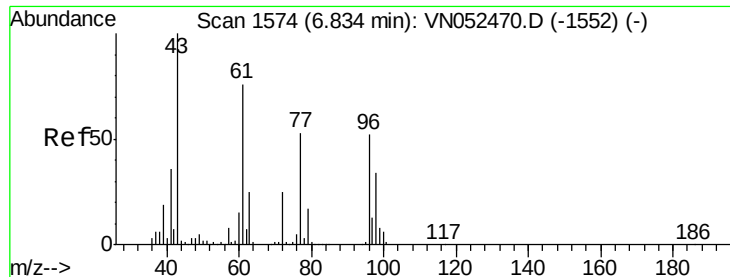


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





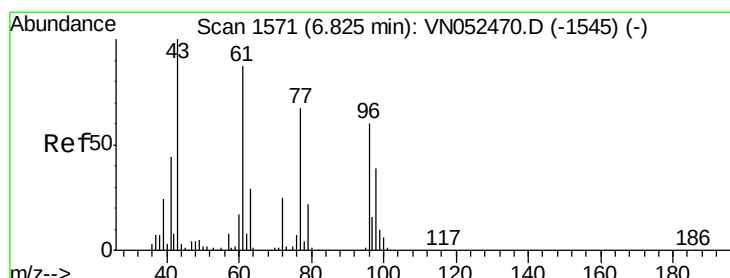
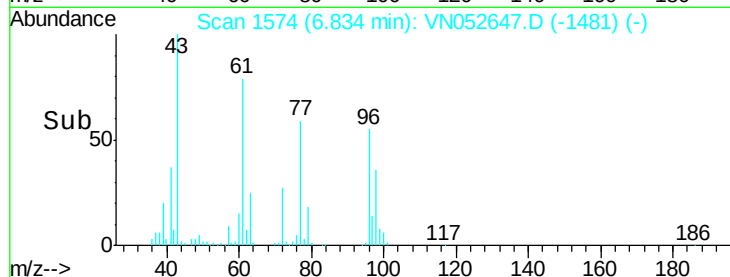
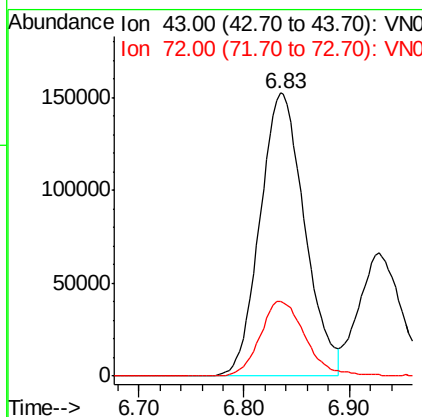
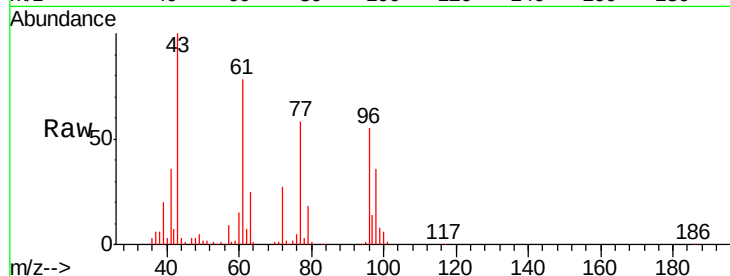
#25
2-Butanone
Concen: 95.876 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion: 43 Resp: 446684
Ion Ratio Lower Upper
43 100
72 26.7 20.1 30.1

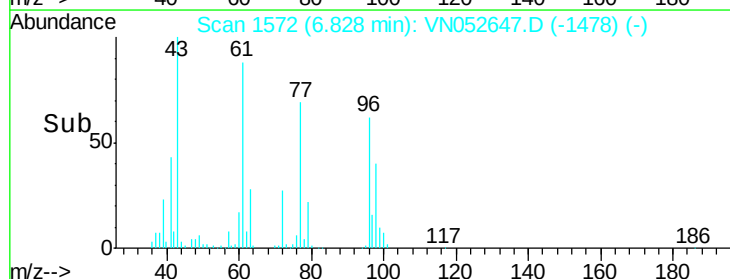
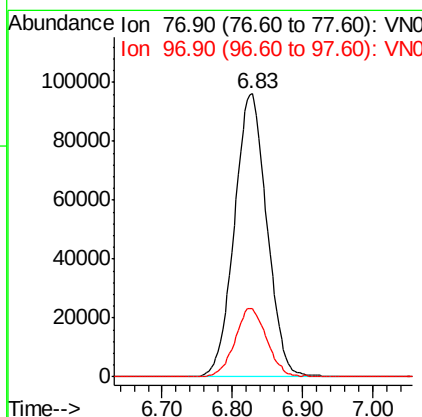
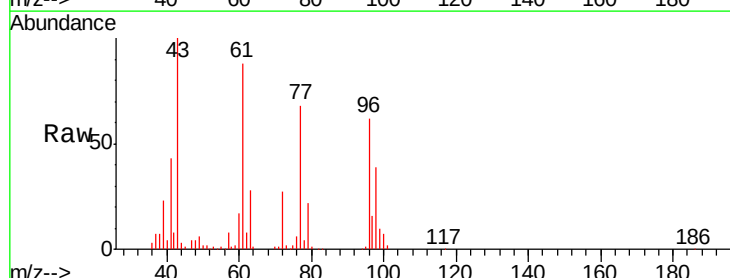
Manual Integrations
APPROVED

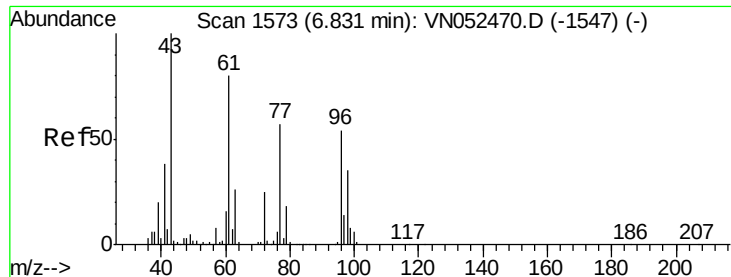
MMDadoda
12/5/2018 9:13:04 AM



#26
2,2-Dichloropropane
Concen: 20.151 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 77 Resp: 309101
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.796 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

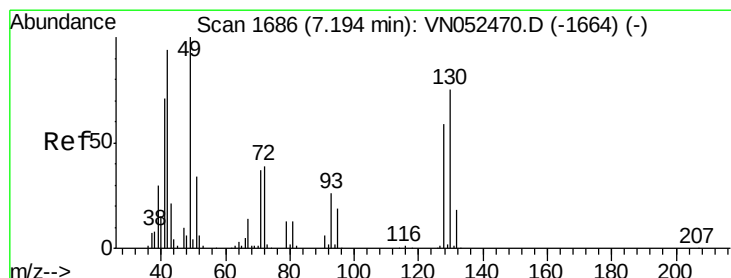
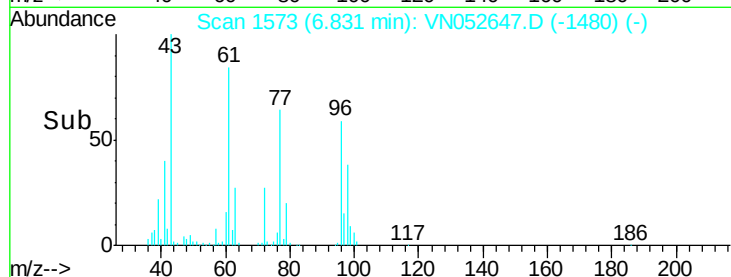
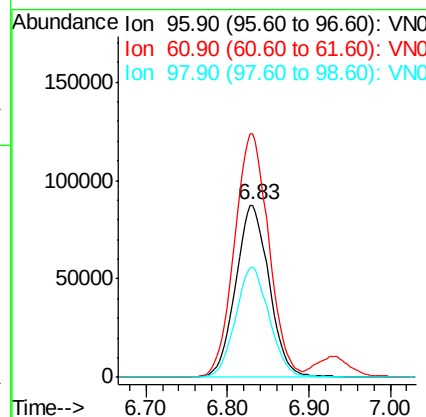
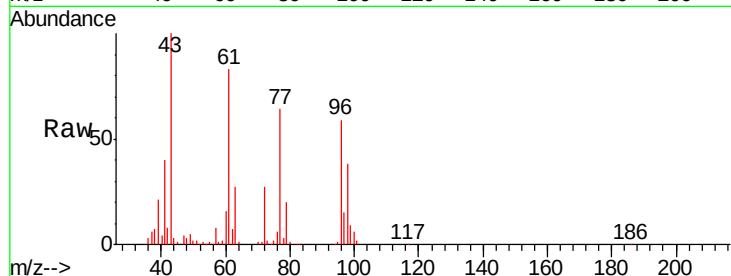
ClientSampleId :

VN1204WBS01

Tgt Ion:	96	Resp:	250716
Ion	Ratio	Lower	Upper
96	100		
61	144.8	0.0	291.0
98	64.2	0.0	130.0

Manual Integrations
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12/5/2018 9:13:04 AM



#28

Bromochloromethane

Concen: 19.689 ug/l

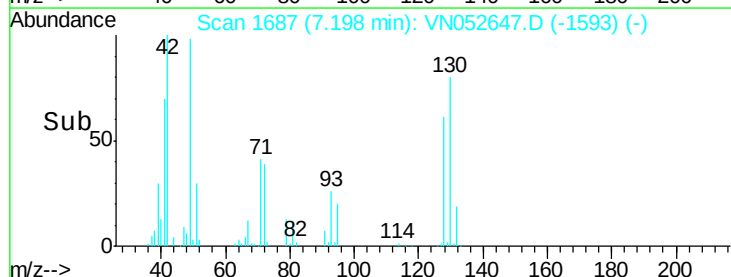
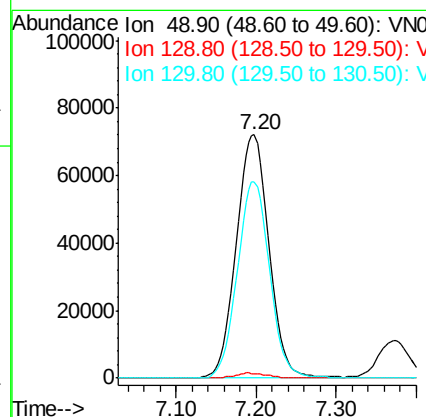
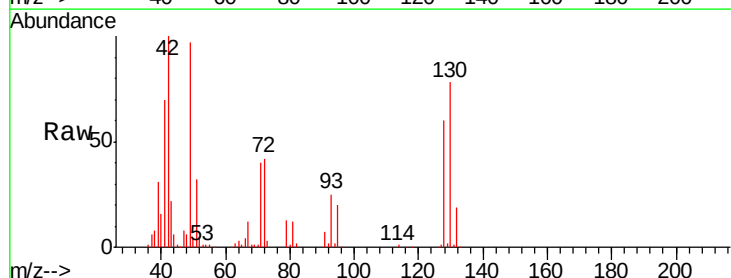
RT: 7.20 min Scan# 1687

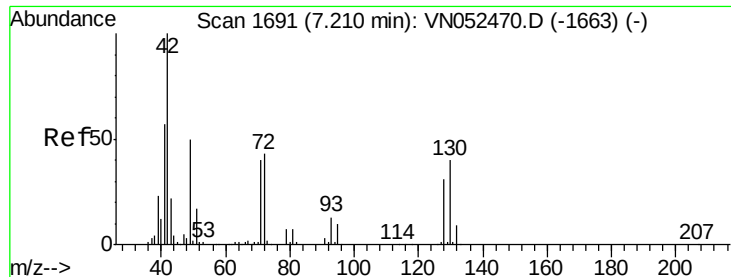
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	49	Resp:	199297
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	79.5	60.2	90.2





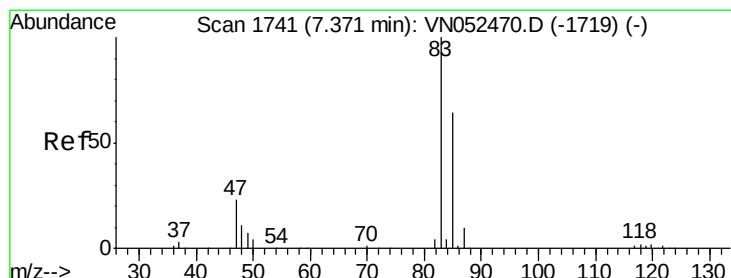
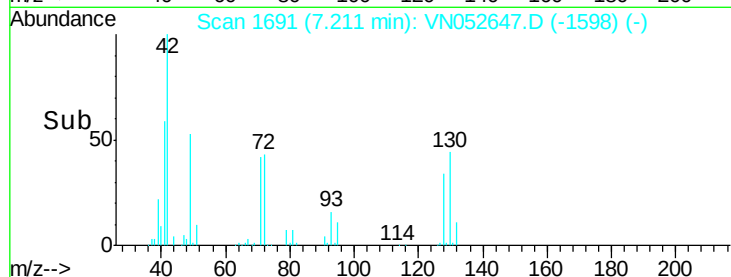
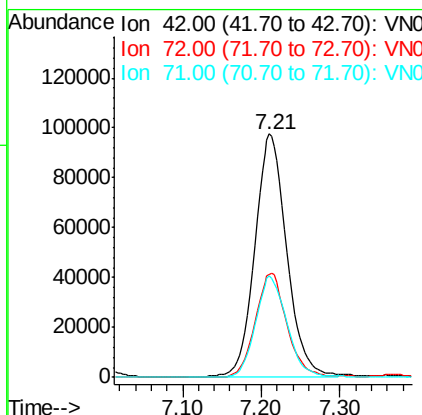
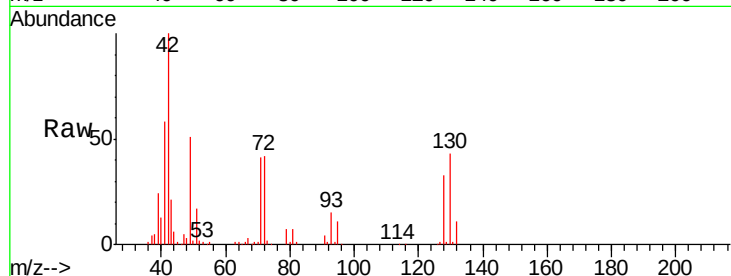
#29
Tetrahydrofuran
Concen: 92.777 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.3	49.9
71	40.8	32.0	48.0

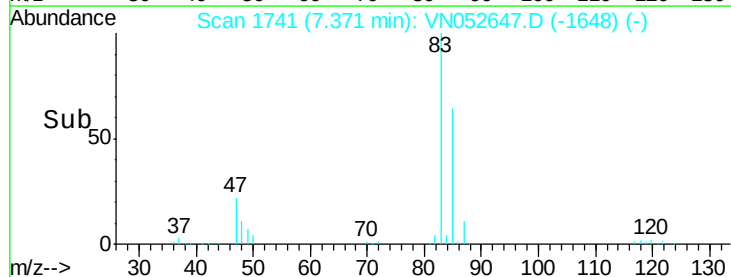
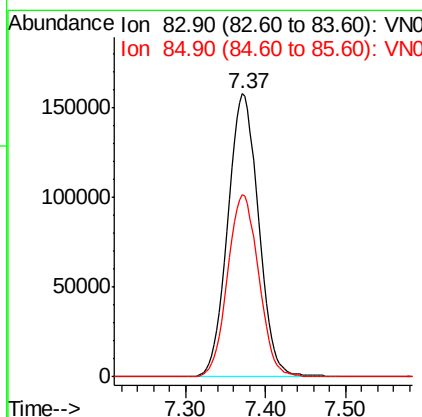
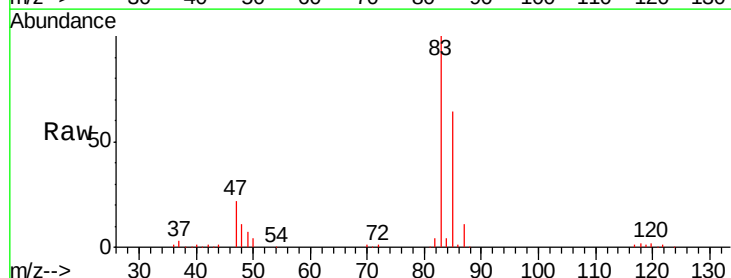
Manual Integrations
APPROVED

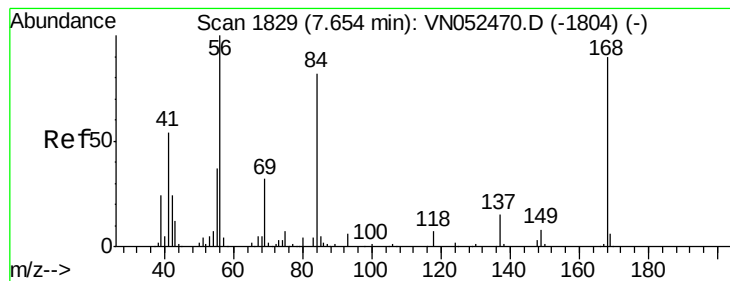
MMDadoda
12/5/2018 9:13:04 AM



#30
Chloroform
Concen: 18.691 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.0	76.4





#31

Cyclohexane

Concen: 18.411 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 56 Resp: 399861
Ion Ratio Lower Upper

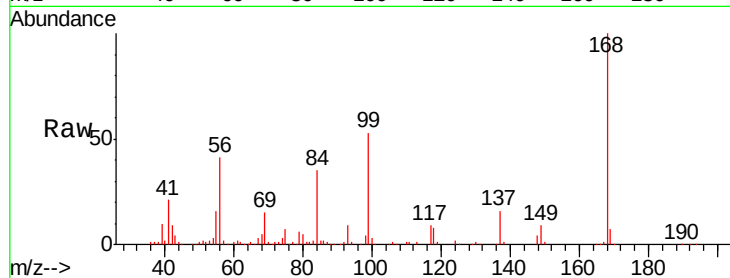
56 100

69 35.9 25.8 38.6

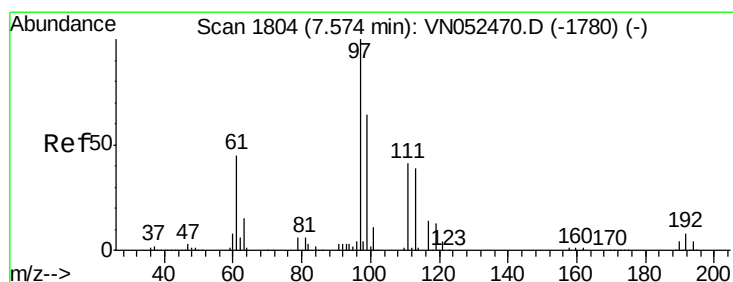
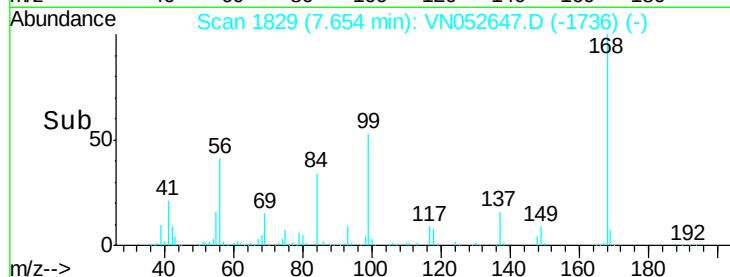
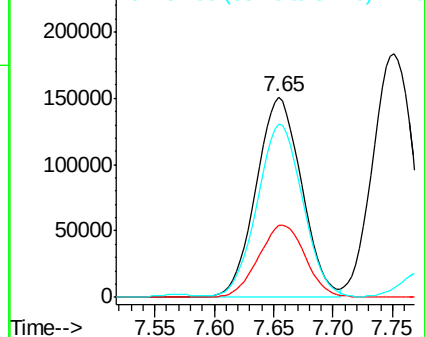
84 85.0 65.3 97.9

Manual Integrations
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12/5/2018 9:13:04 AM



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



#32

1,1,1-Trichloroethane

Concen: 19.568 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052647.D

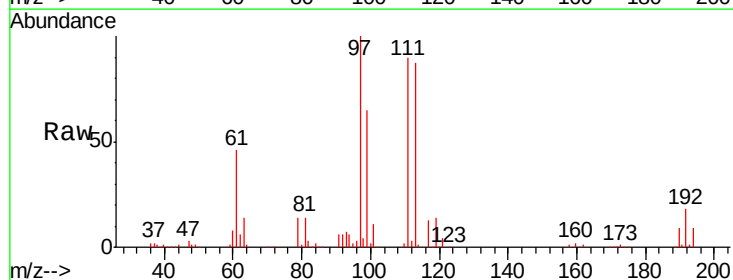
Acq: 4 Dec 2018 12:00

Tgt Ion: 97 Resp: 342801
Ion Ratio Lower Upper

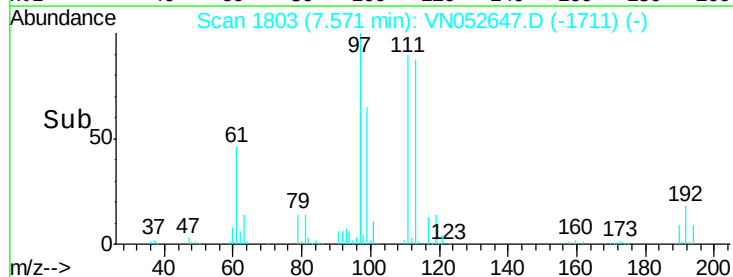
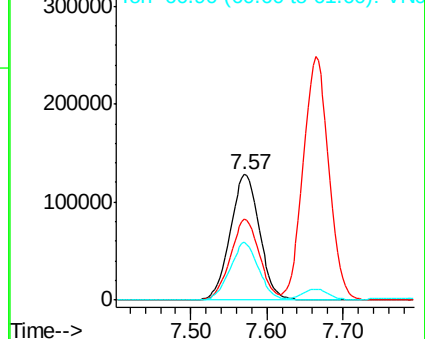
97 100

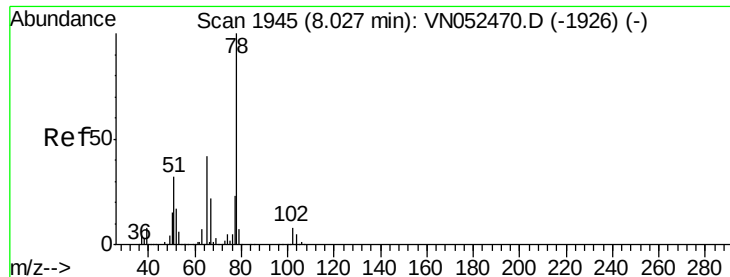
99 63.6 51.7 77.5

61 45.0 36.8 55.2



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





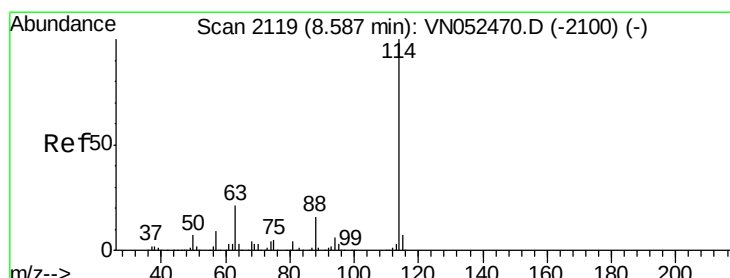
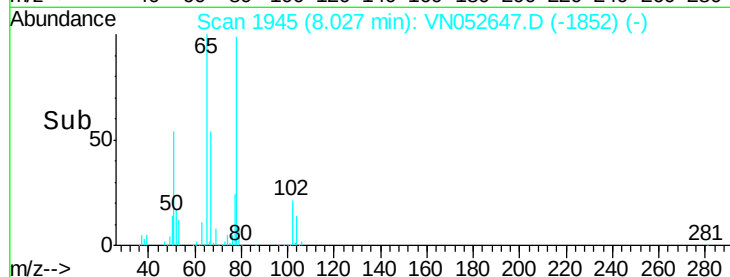
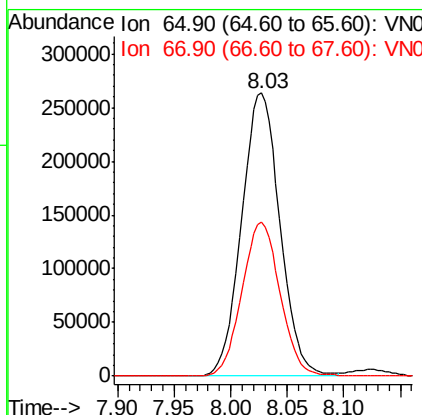
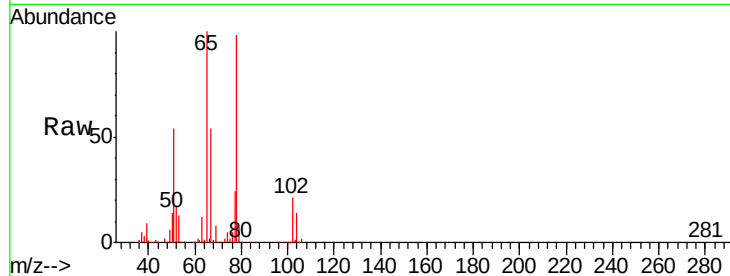
#33
 1,2-Dichloroethane-d4
 Concen: 19.568 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	622246		
67	54.0	0.0	109.8	

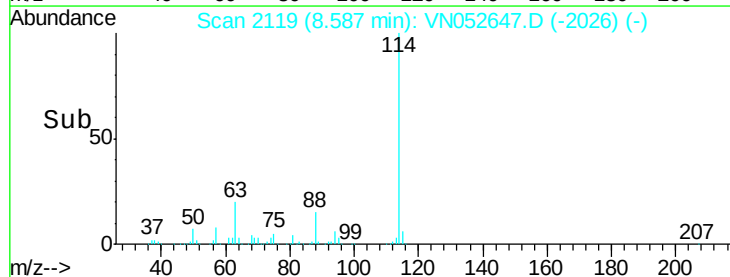
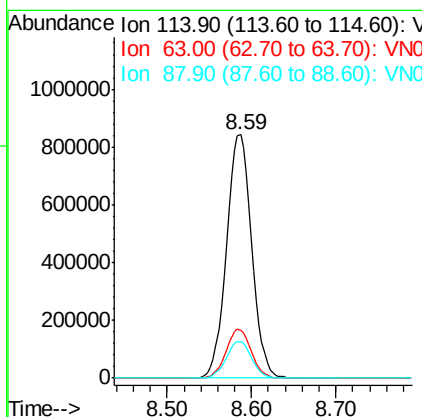
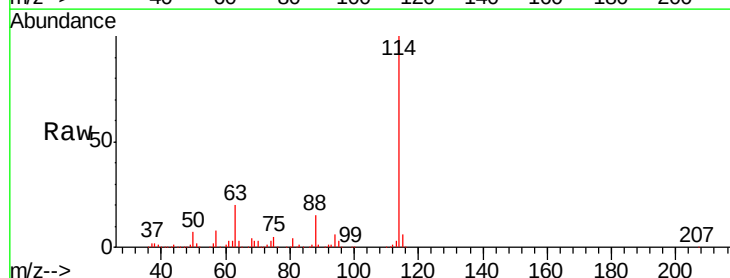
Manual Integrations
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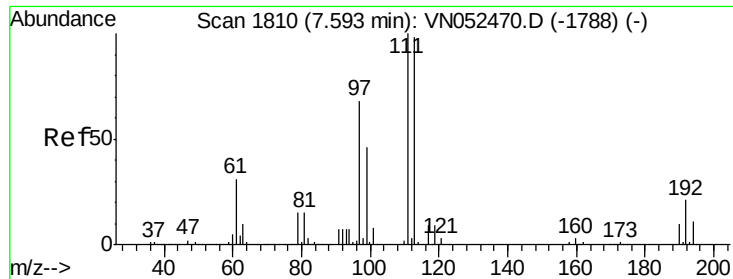
MMDadoda
 12/5/2018 9:13:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1742647		
63	19.6	0.0	41.8	
88	15.1	0.0	31.6	





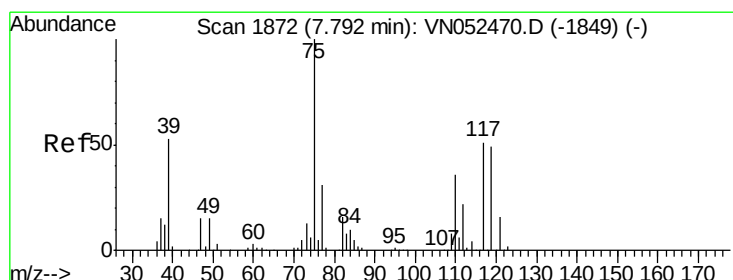
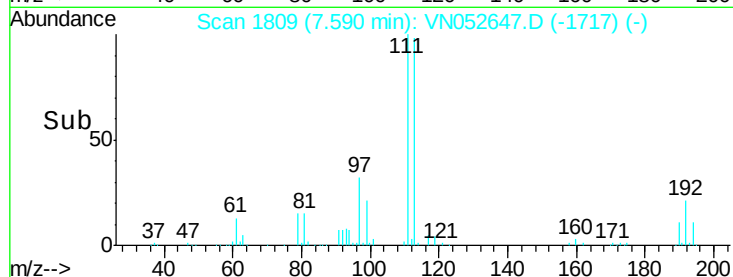
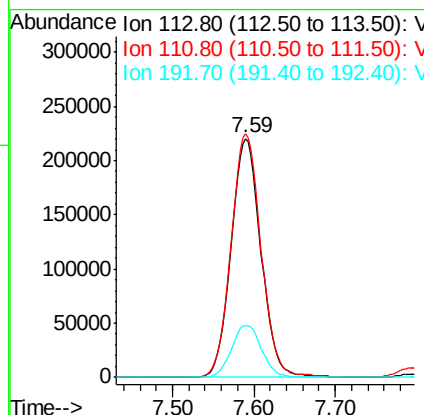
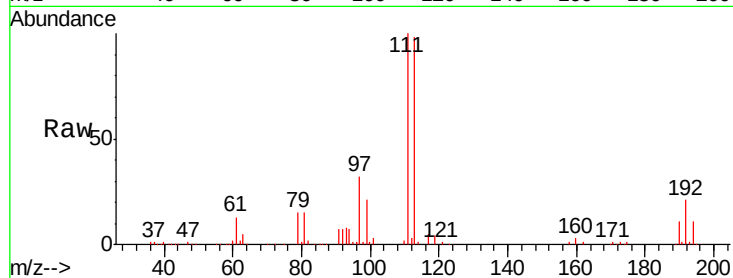
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	562214		
111	103.0	82.0	123.0	
192	22.0	17.0	25.6	

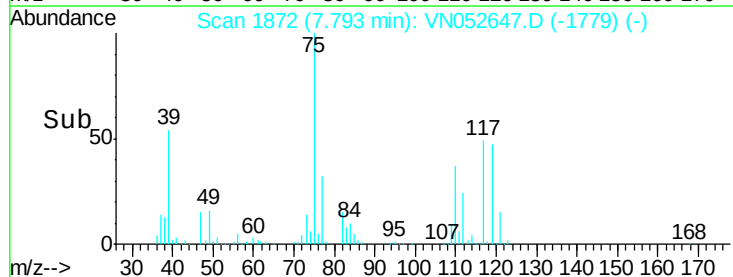
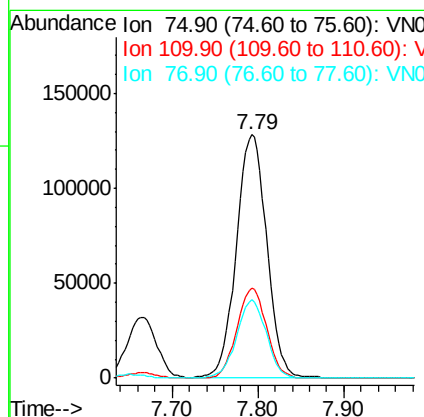
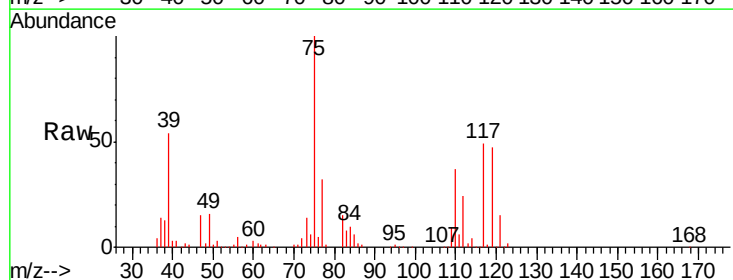
Manual Integrations
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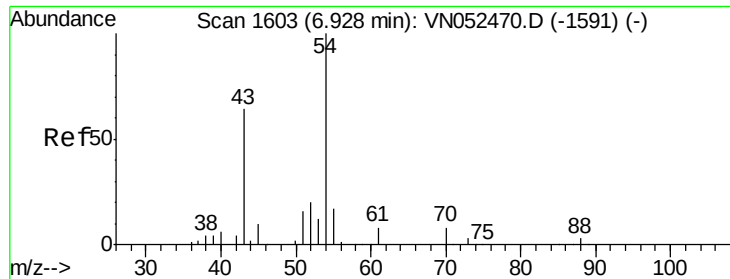
MMDadoda
12/5/2018 9:13:04 AM



#36
1,1-Dichloropropene
Concen: 19.137 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	314931		
110	36.1	17.5	52.6	
77	31.5	24.5	36.7	





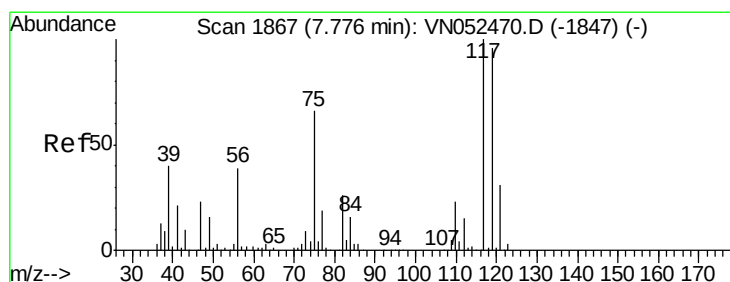
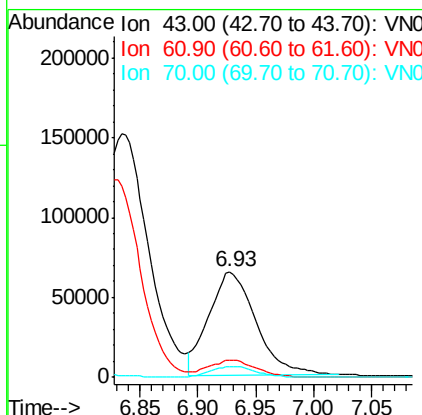
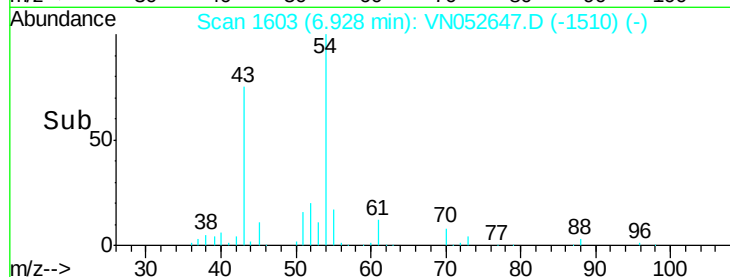
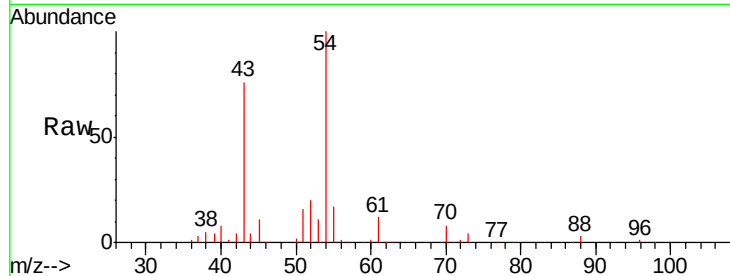
#37
Ethyl Acetate
 Concen: 18.351 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.8	17.8
70	10.5	7.8	11.8

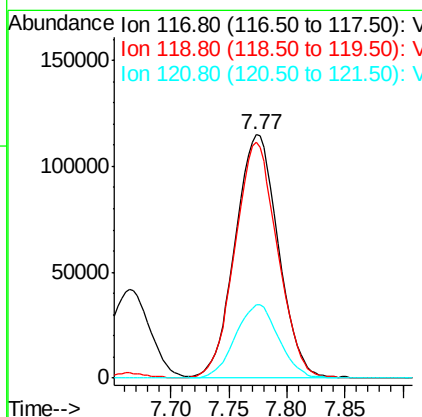
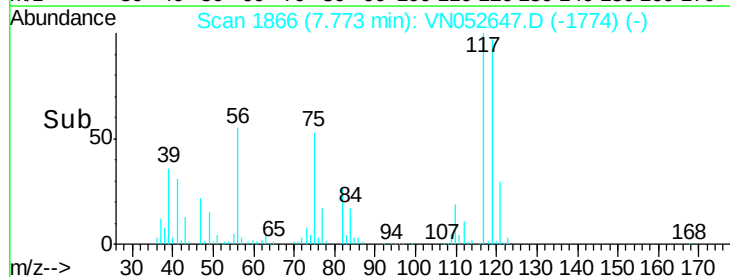
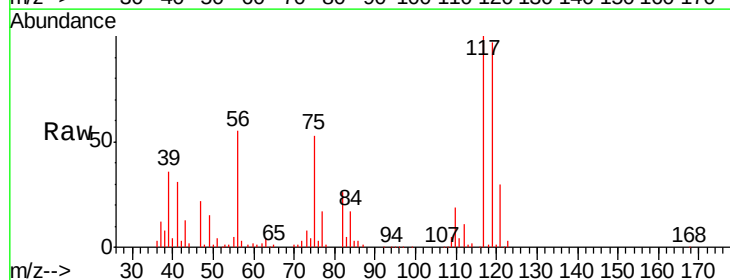
Manual Integrations
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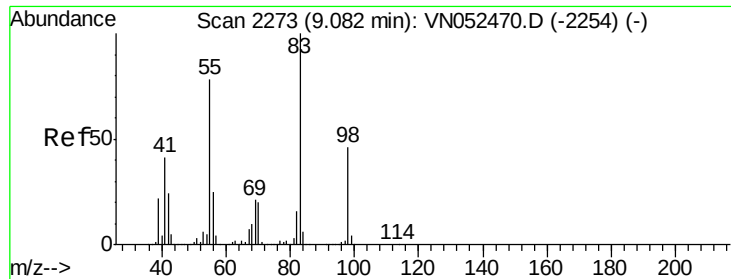
MMDadoda
 12/5/2018 9:13:04 AM



#38
Carbon Tetrachloride
 Concen: 19.819 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.8	115.2
121	30.1	24.9	37.3





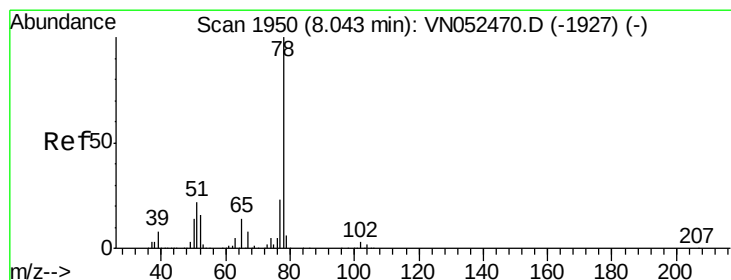
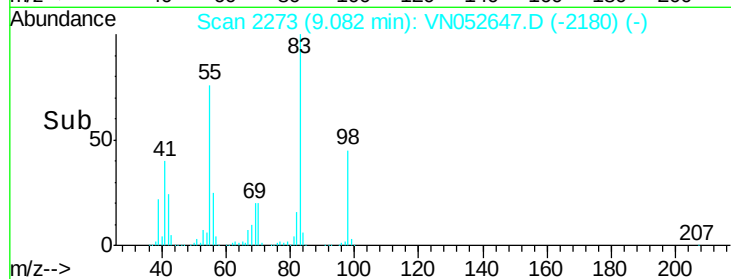
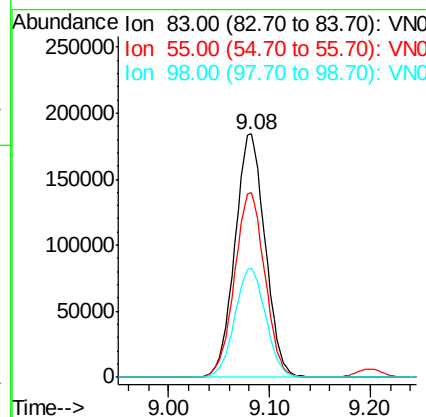
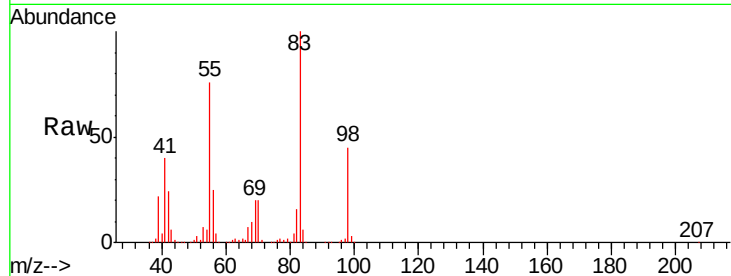
#39
Methylcyclohexane
Concen: 19.211 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	384261		
55	75.9	62.2	93.2	
98	44.8	36.4	54.6	

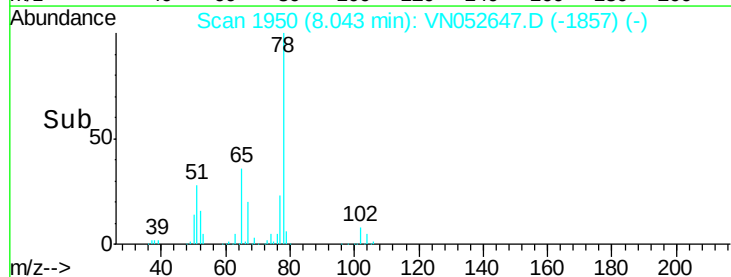
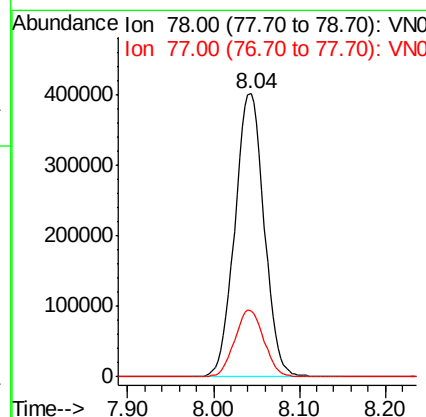
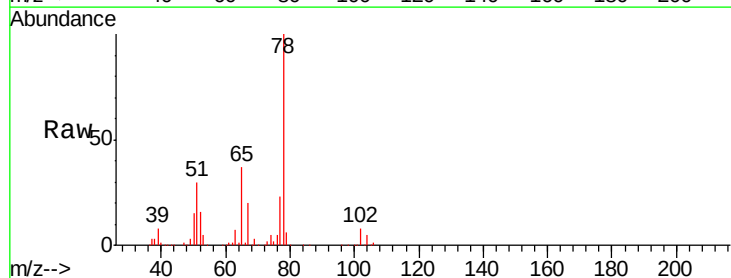
Manual Integrations
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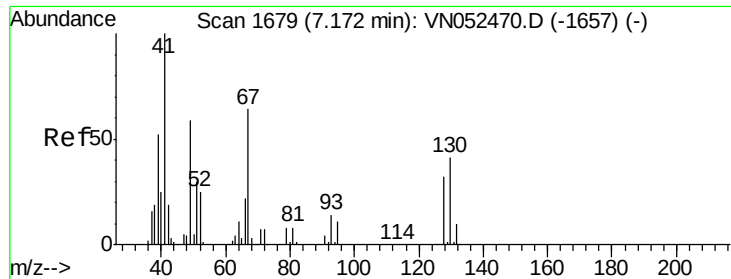
MMDadoda
12/5/2018 9:13:04 AM



#40
Benzene
Concen: 19.383 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	950603		
77	23.4	18.8	28.2	





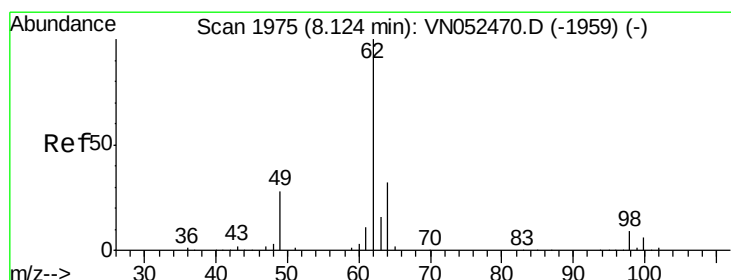
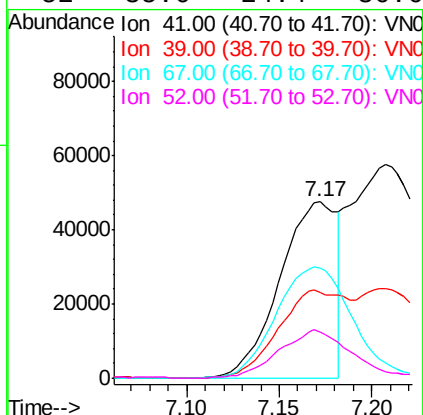
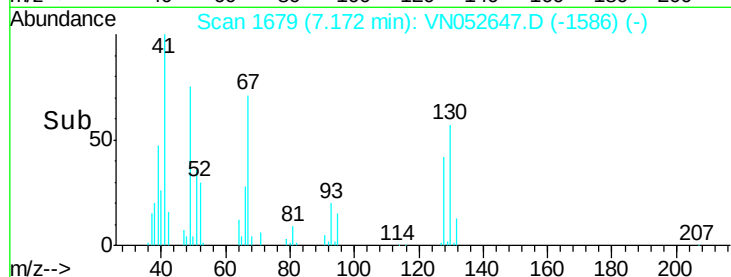
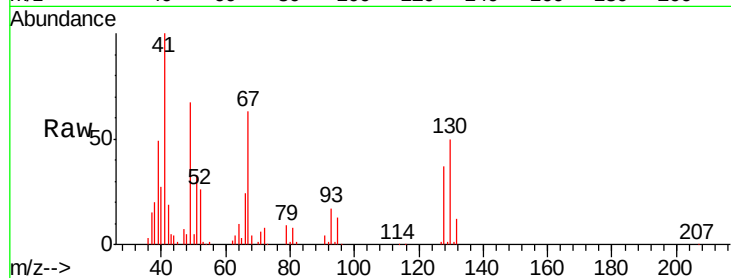
#41
Methacrylonitrile
Concen: 18.548 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	62.8	50.9	76.3
67	85.6	63.6	95.4
52	35.6	24.4	36.6

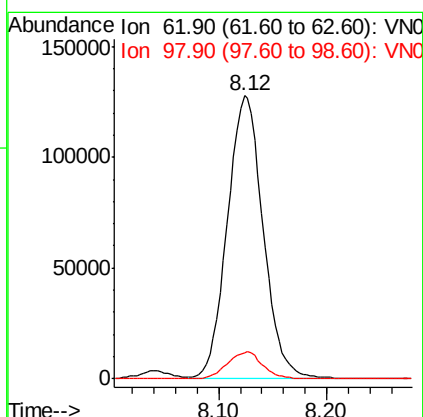
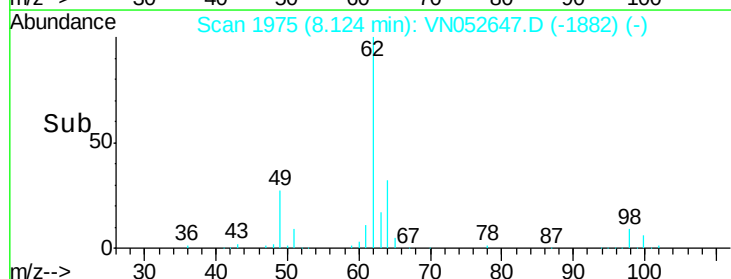
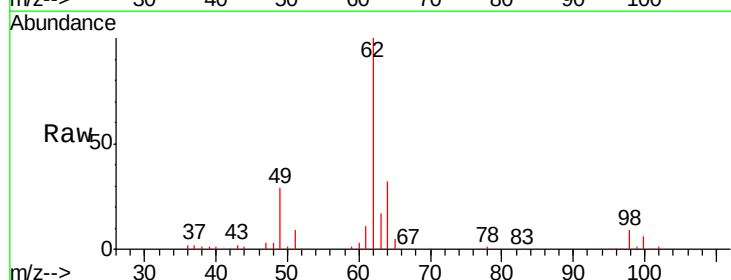
Manual Integrations
APPROVED

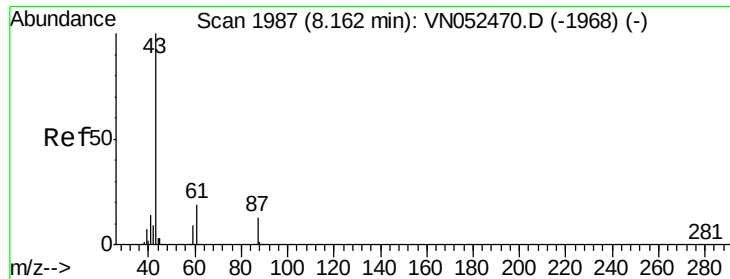
MMDadoda
12/5/2018 9:13:04 AM



#42
1,2-Dichloroethane
Concen: 19.754 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





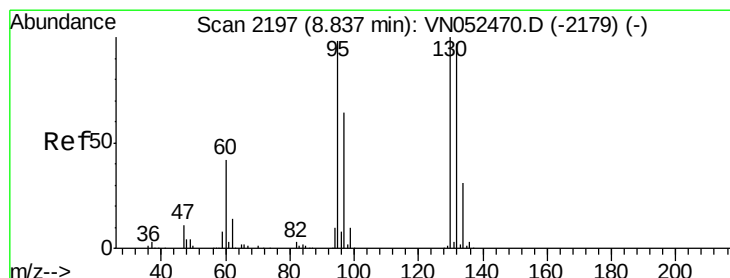
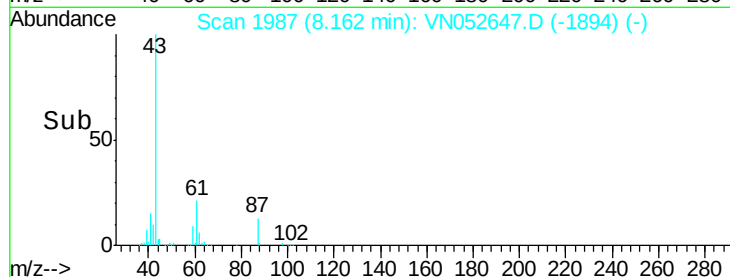
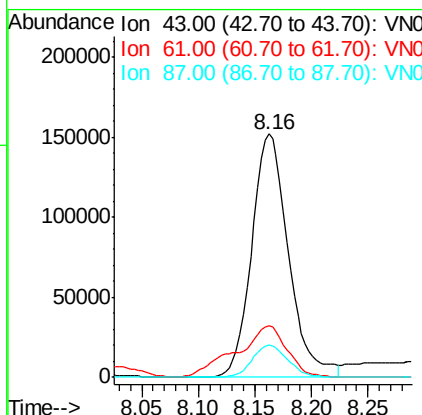
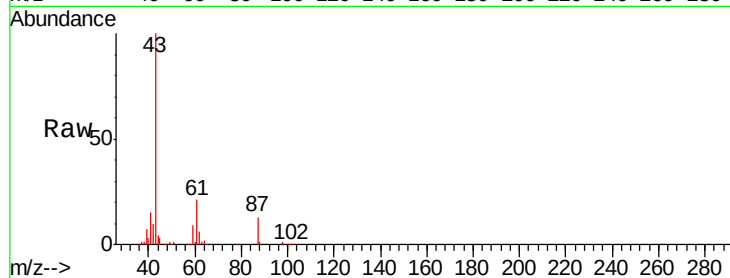
#43
Isopropyl Acetate
Concen: 20.134 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.8	24.1	36.1
87	13.0	10.6	15.8

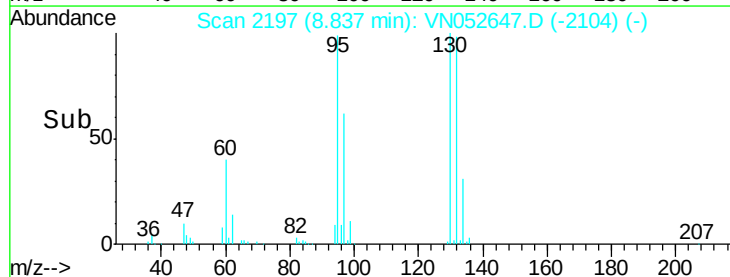
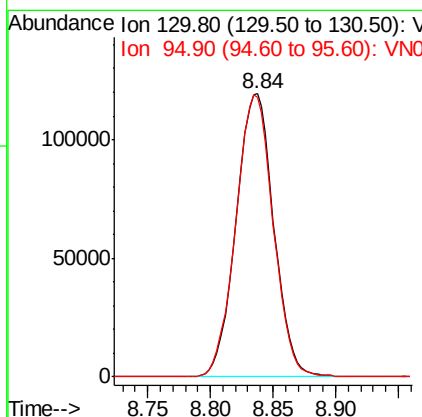
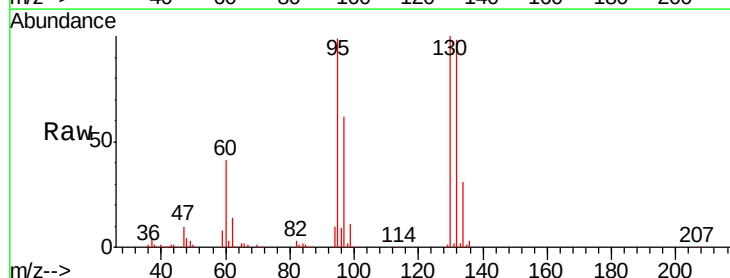
Manual Integrations
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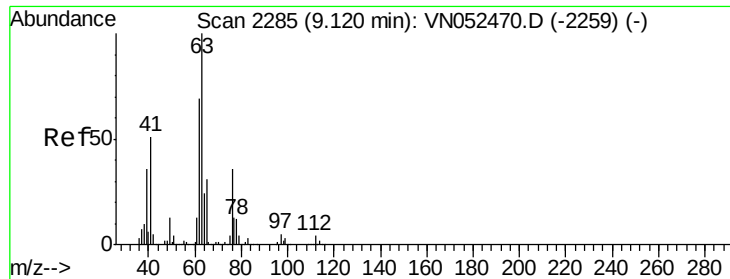
MMDadoda
12/5/2018 9:13:04 AM



#44
Trichloroethene
Concen: 19.847 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	195.6





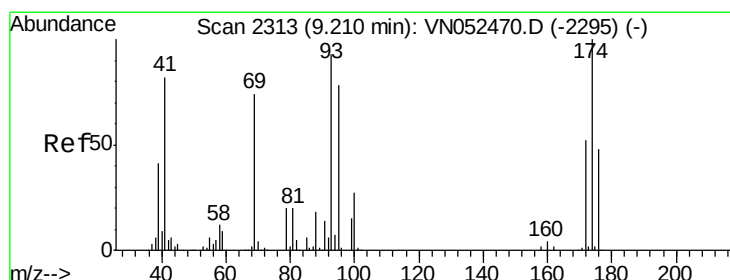
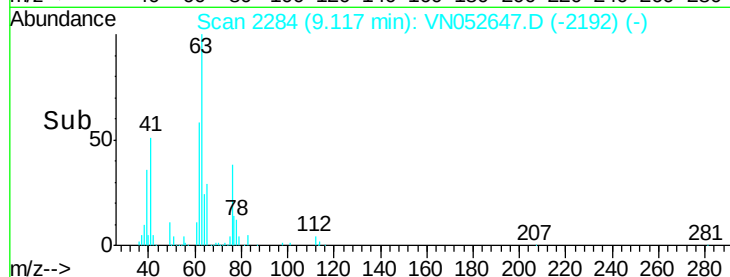
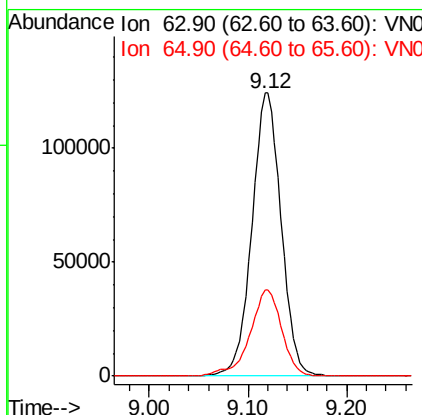
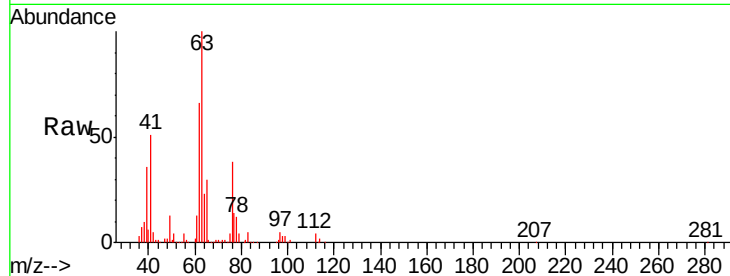
#45
1,2-Dichloropropane
Concen: 19.443 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampled :
VN1204WBS01

Tgt Ion: 63 Resp: 253509
Ion Ratio Lower Upper
63 100
65 30.5 25.0 37.6

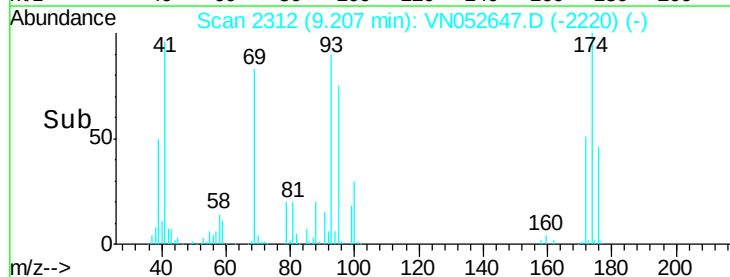
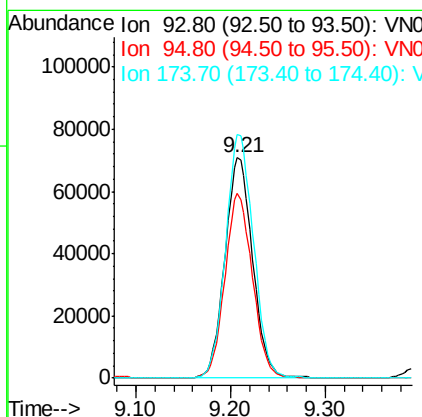
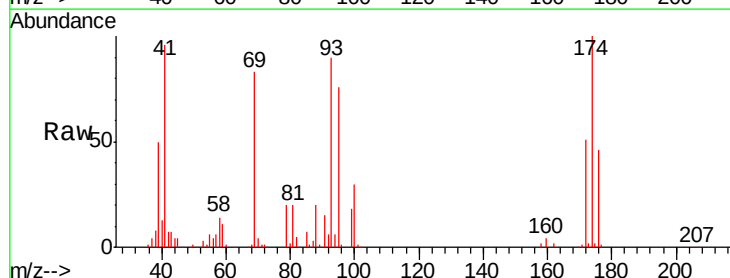
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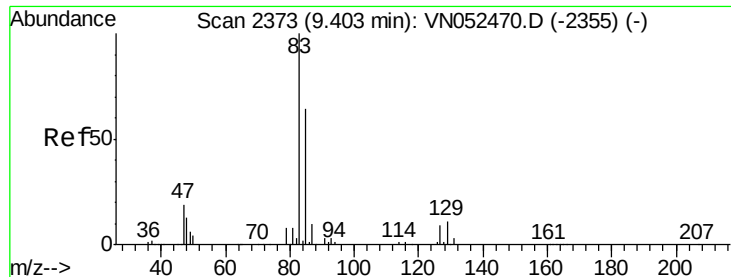
MMDadoda
12/5/2018 9:13:04 AM



#46
Dibromomethane
Concen: 20.060 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 93 Resp: 144790
Ion Ratio Lower Upper
93 100
95 82.6 67.1 100.7
174 110.8 85.8 128.8





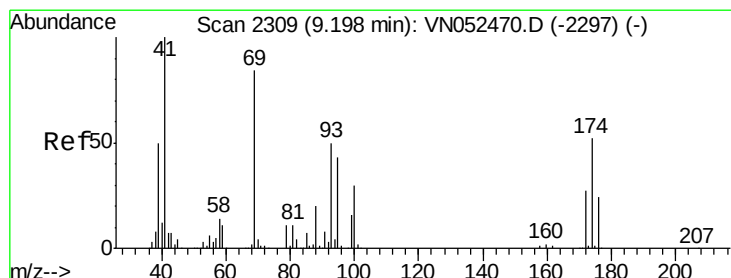
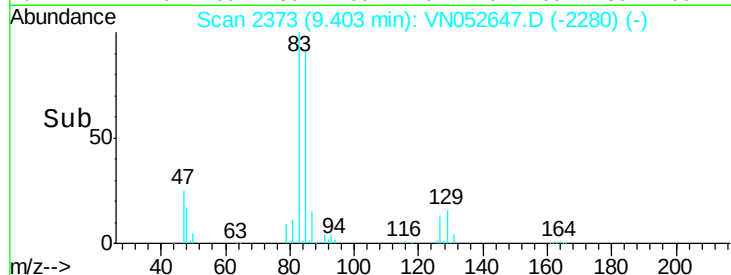
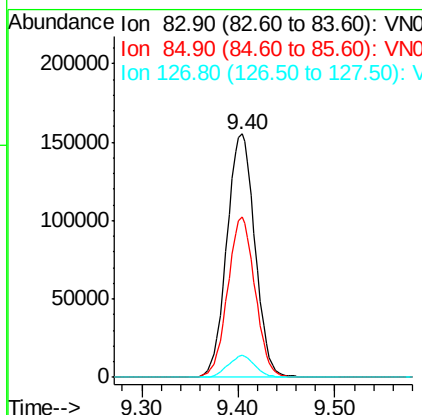
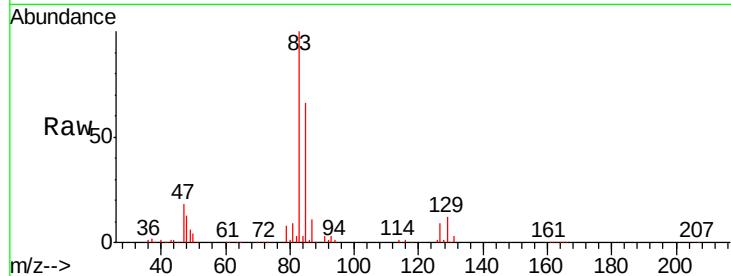
#47
Bromodichloromethane
Concen: 19.911 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.3	76.9
127	9.0	6.9	10.3

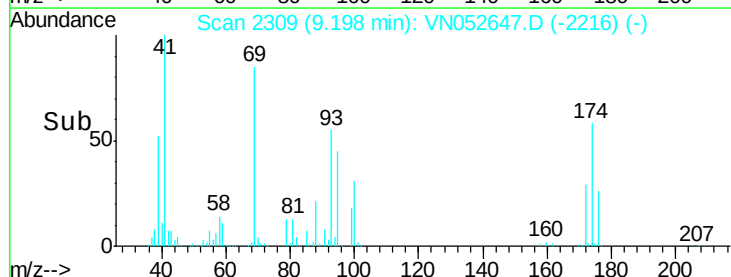
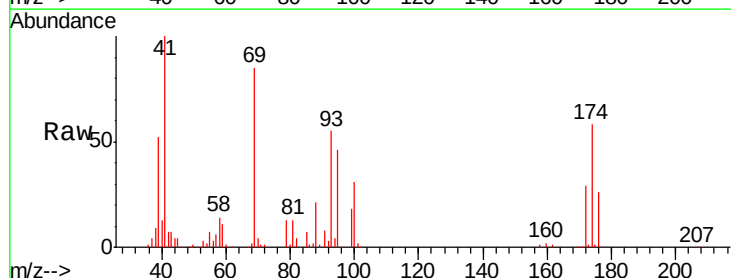
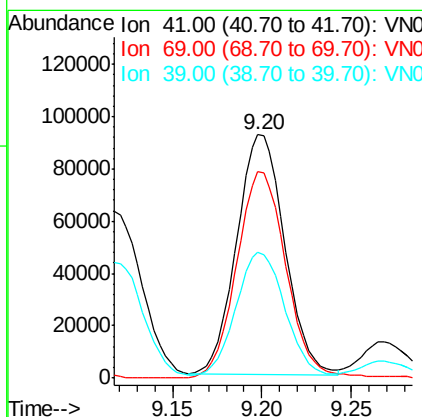
Manual Integrations
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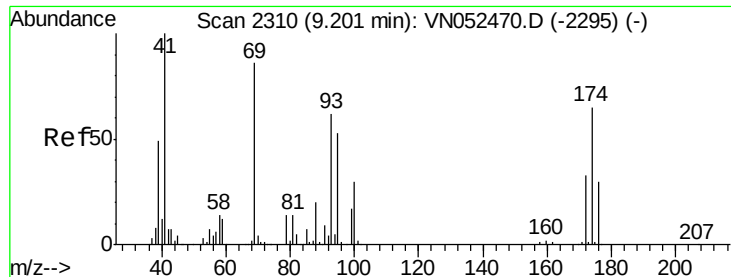
MMDadoda
12/5/2018 9:13:04 AM



#48
Methyl methacrylate
Concen: 19.371 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.6	70.0	105.0
39	53.9	42.6	64.0





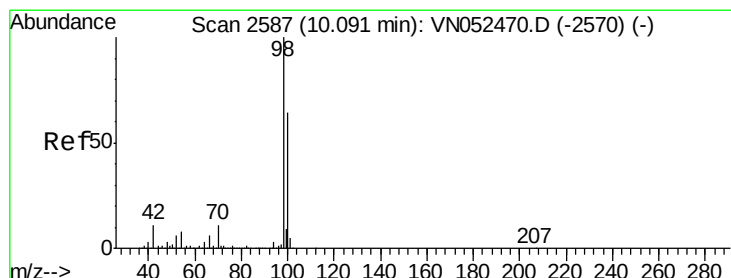
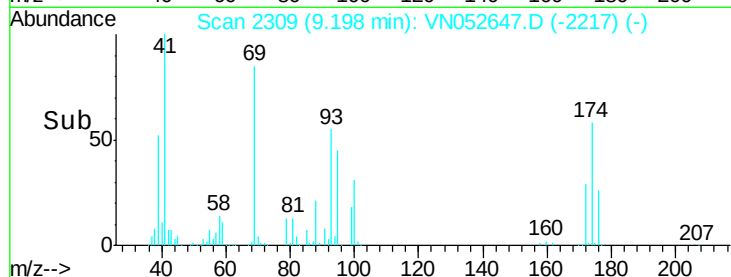
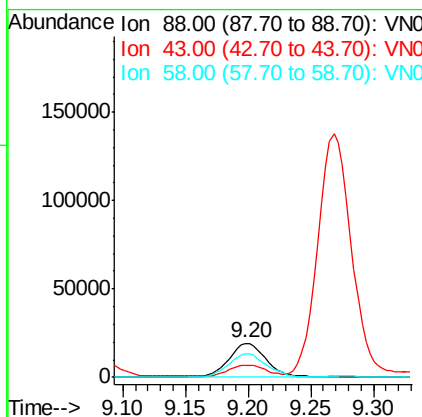
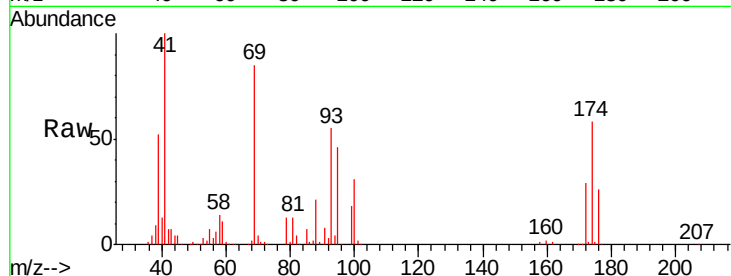
#49
1,4-Dioxane
Concen: 435.424 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.2	26.4	39.6
58	70.8	55.4	83.0

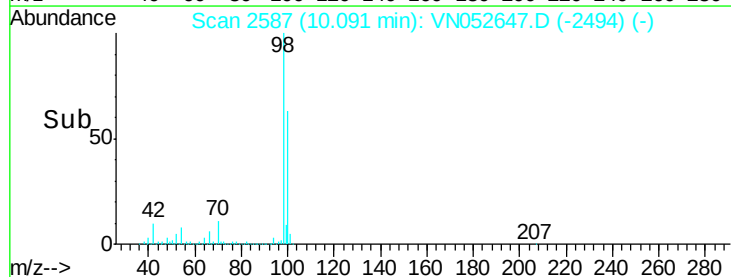
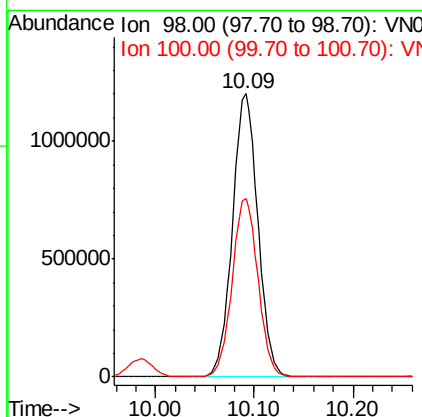
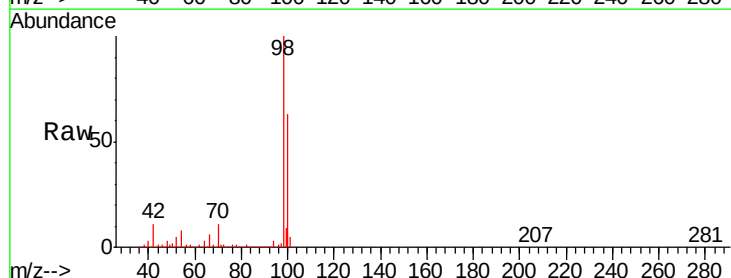
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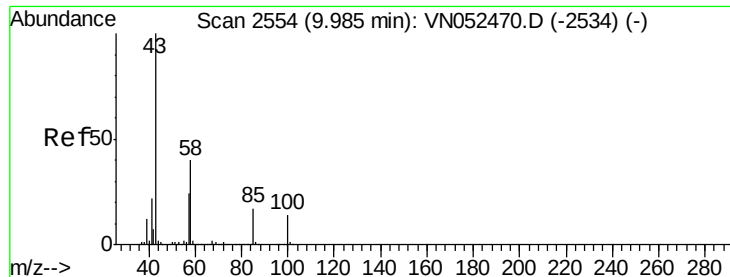
MMDadoda
12/5/2018 9:13:04 AM



#50
Toluene-d8
Concen: 435.424 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 99.572 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 43 Resp: 949512

Ion Ratio Lower Upper

43 100

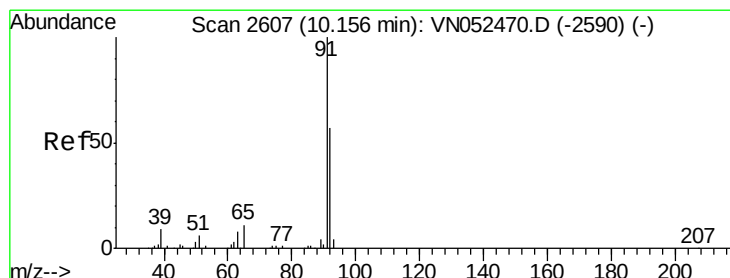
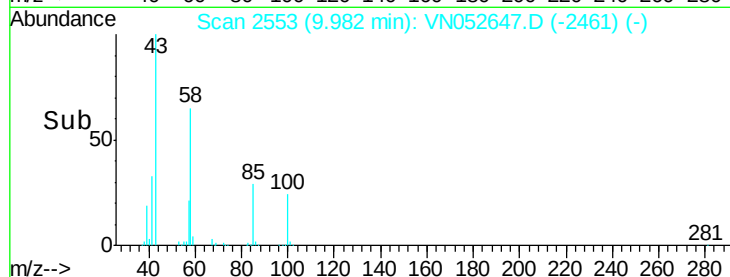
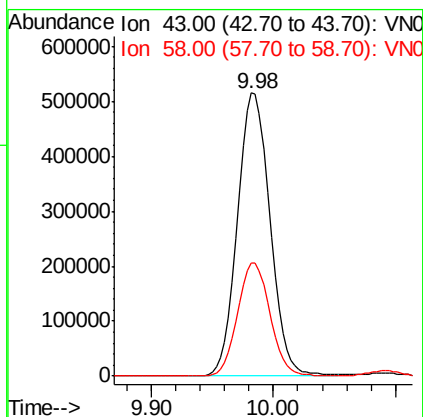
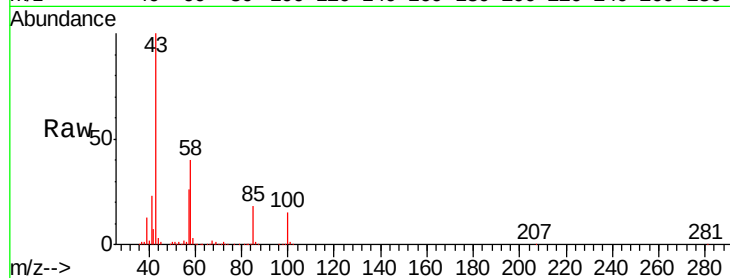
58 39.8 31.5 47.3

Manual Integrations

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MMDadoda

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#52

Toluene

Concen: 19.978 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052647.D

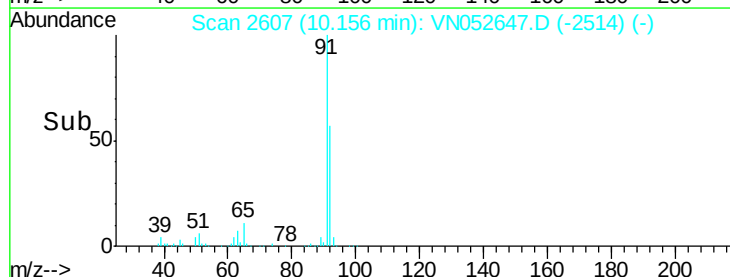
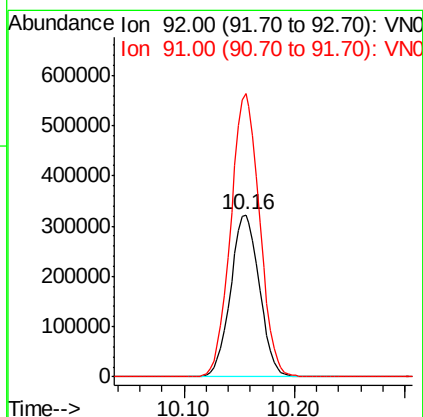
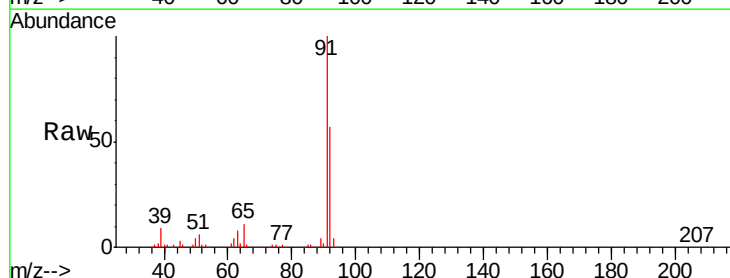
Acq: 4 Dec 2018 12:00

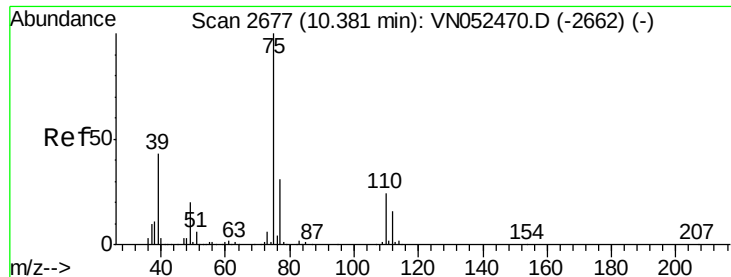
Tgt Ion: 92 Resp: 582129

Ion Ratio Lower Upper

92 100

91 175.8 141.0 211.4





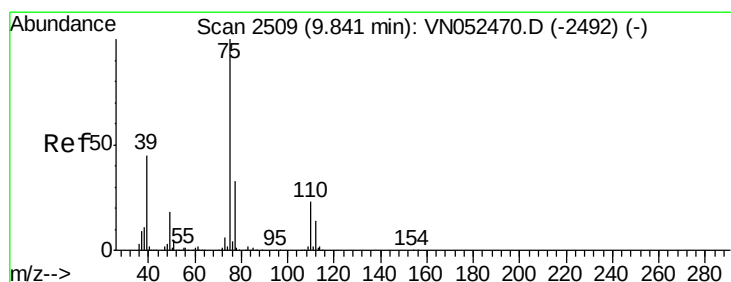
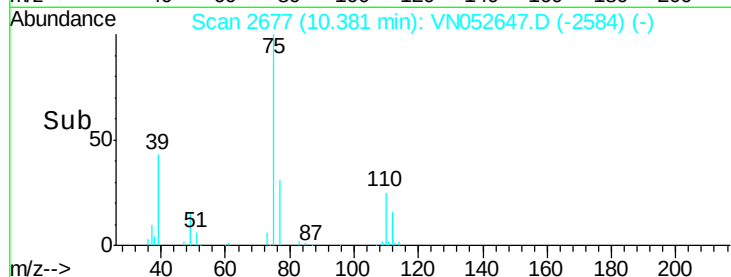
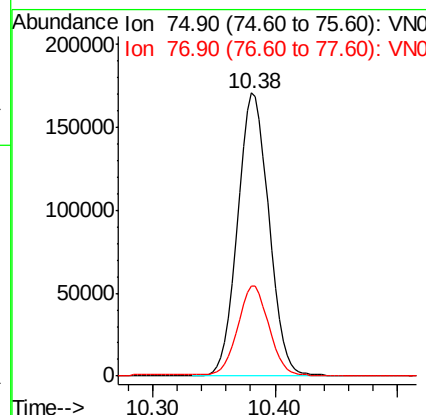
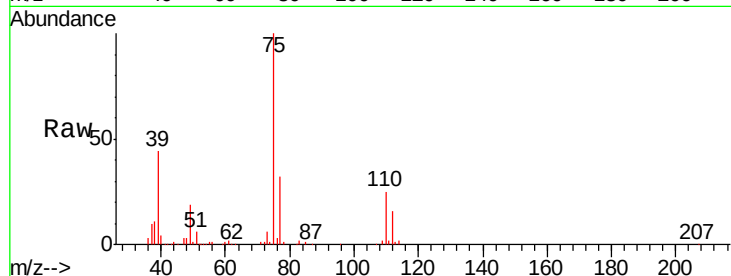
#53
t-1,3-Dichloropropene
Concen: 20.106 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion: 75 Resp: 303546
Ion Ratio Lower Upper
75 100
77 31.6 25.0 37.4

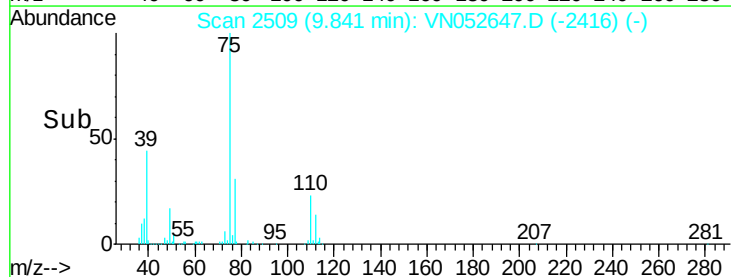
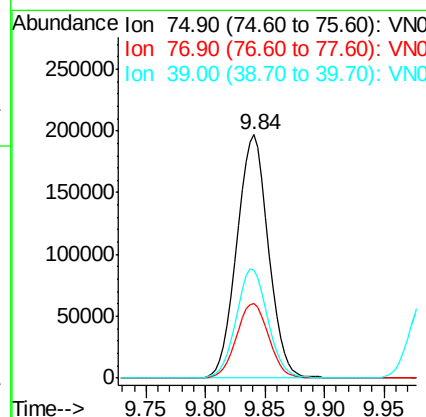
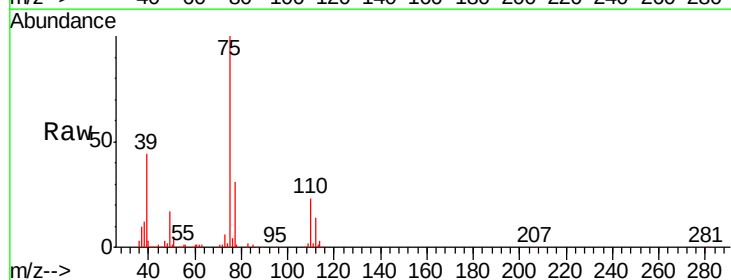
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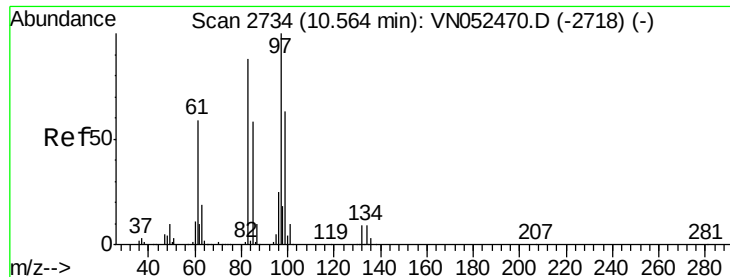
MMDadoda
12/5/2018 9:13:04 AM



#54
cis-1,3-Dichloropropene
Concen: 20.071 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 75 Resp: 363130
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2
39 44.3 36.0 54.0





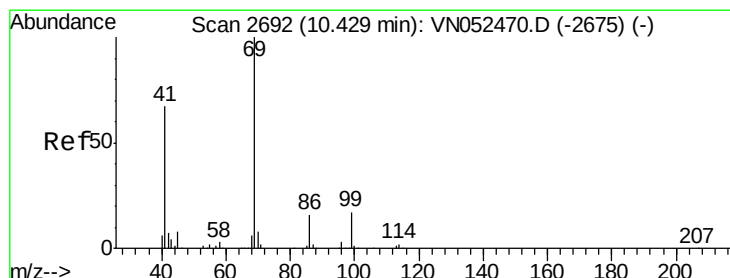
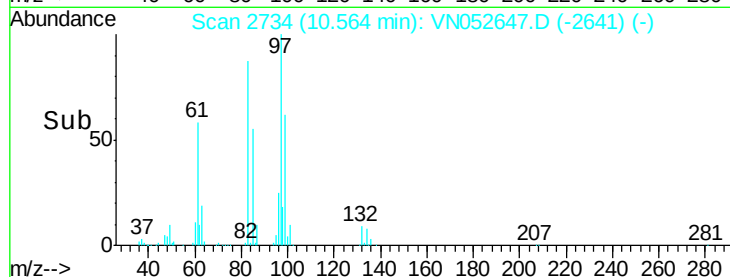
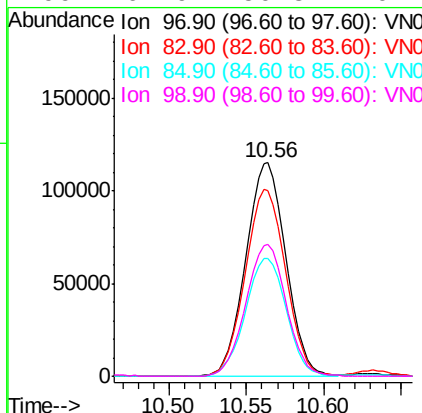
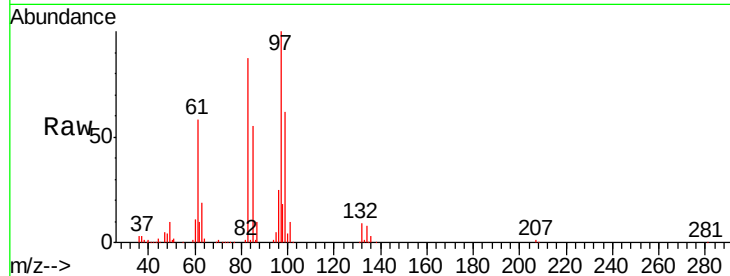
#55
 1,1,2-Trichloroethane
 Concen: 20.285 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.7	106.1
85	55.4	46.1	69.1
99	61.9	50.8	76.2

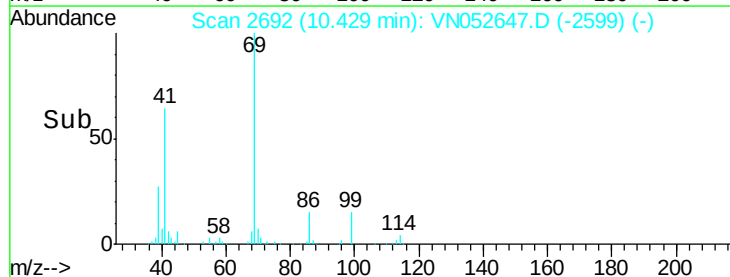
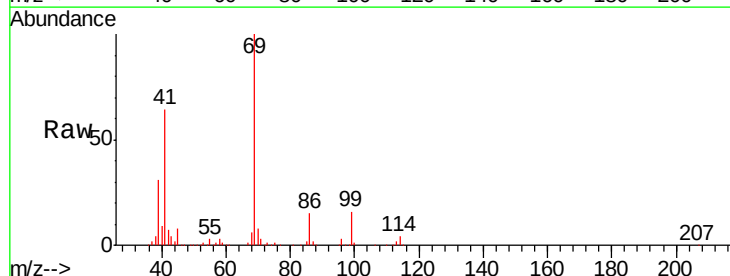
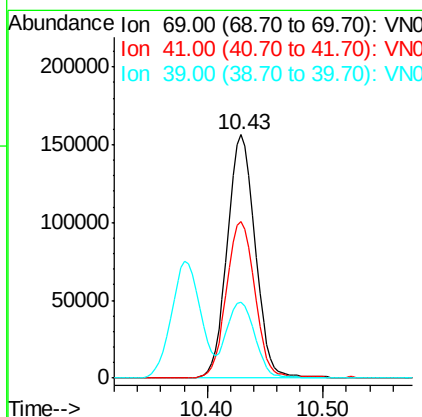
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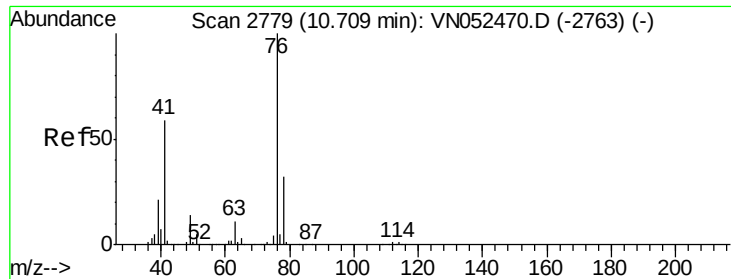
MMDadoda
 12/5/2018 9:13:04 AM



#56
 Ethyl methacrylate
 Concen: 19.986 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.6	79.0
39	31.8	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.759 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 76 Resp: 357601

Ion Ratio Lower Upper

76 100

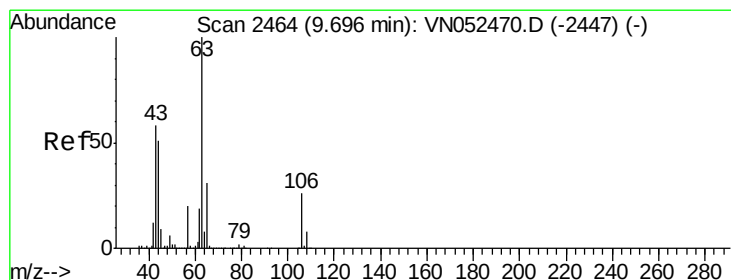
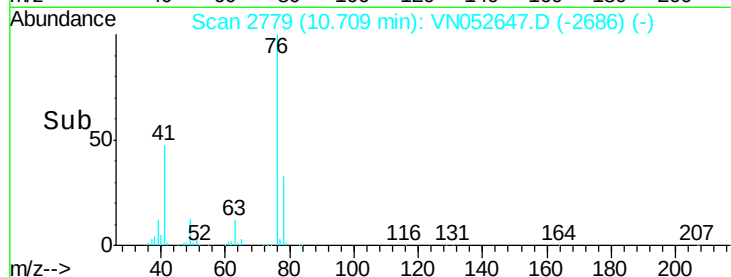
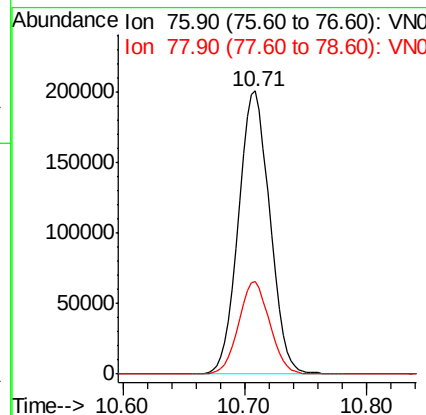
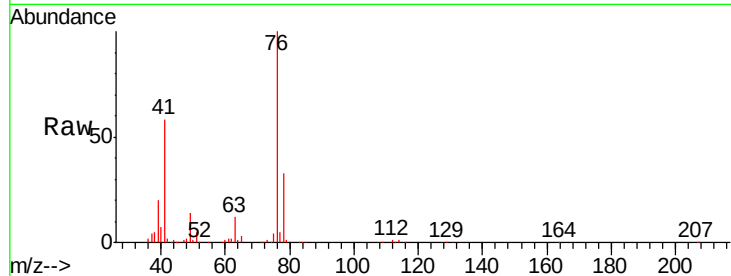
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

12/5/2018 9:13:04 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.923 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052647.D

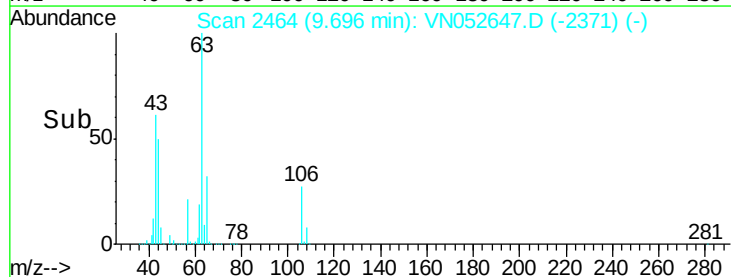
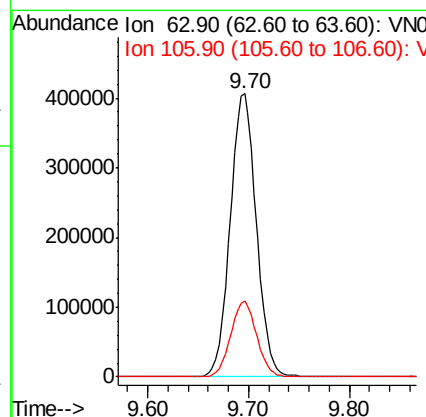
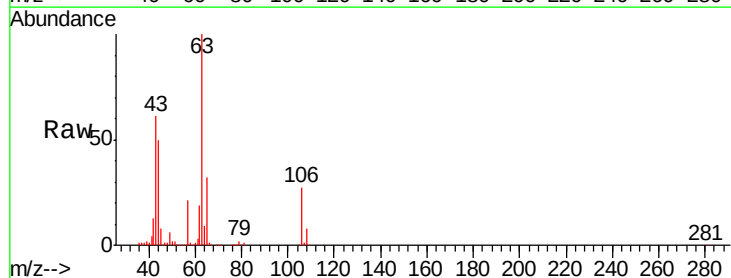
Acq: 4 Dec 2018 12:00

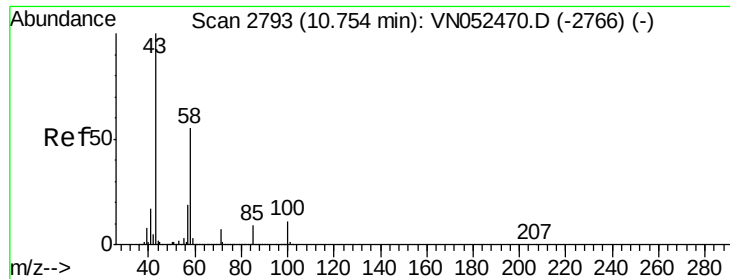
Tgt Ion: 63 Resp: 735726

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8





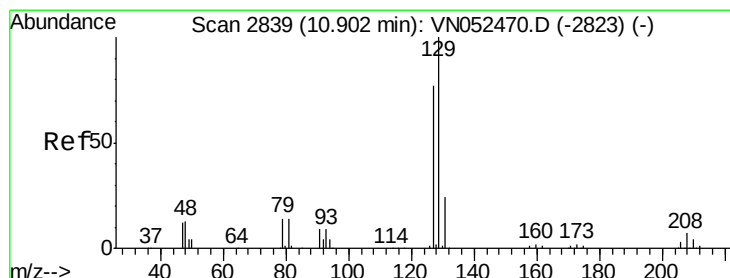
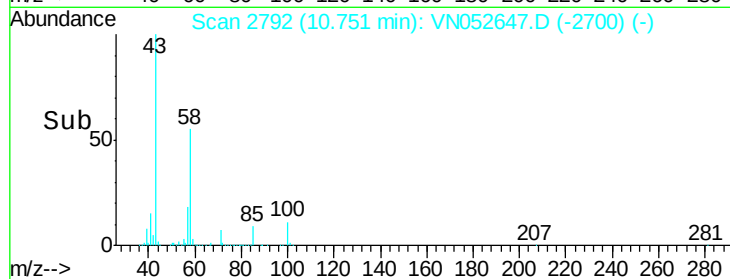
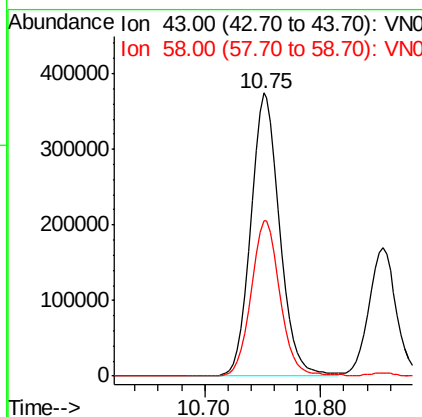
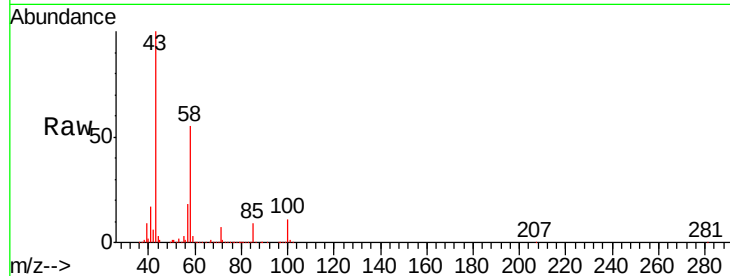
#59
2-Hexanone
Concen: 101.549 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion: 43 Resp: 649924
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0

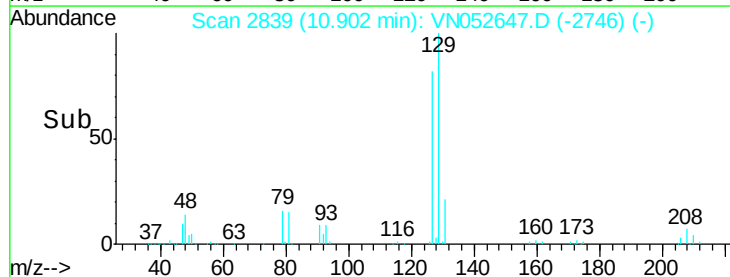
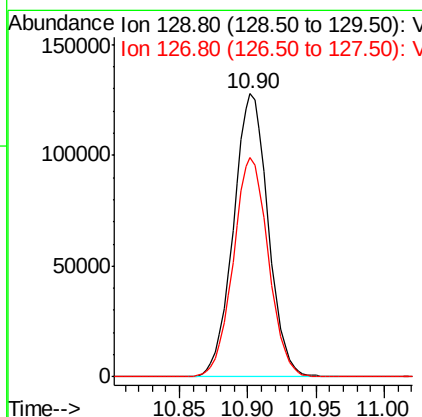
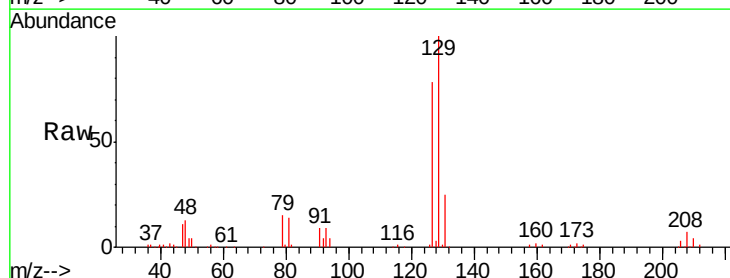
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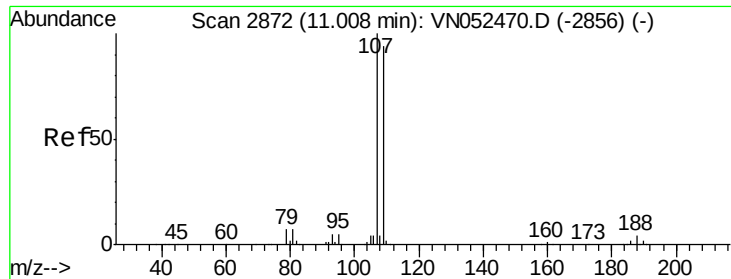
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#60
Dibromochloromethane
Concen: 20.264 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion: 129 Resp: 225586
Ion Ratio Lower Upper
129 100
127 78.2 38.9 116.6





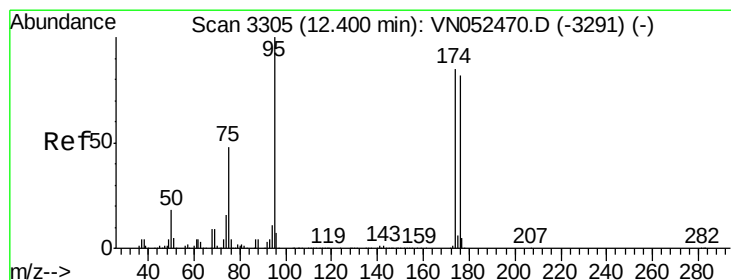
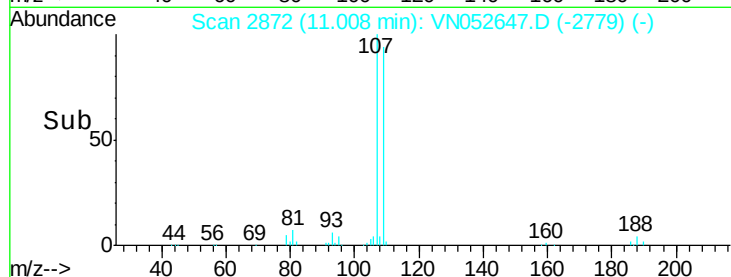
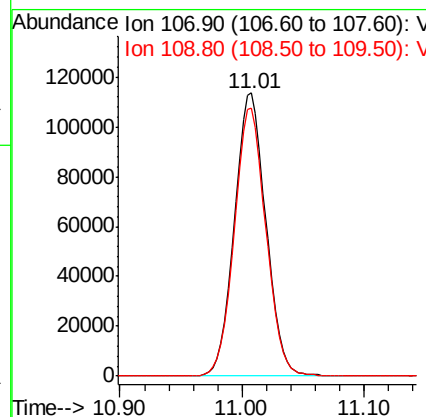
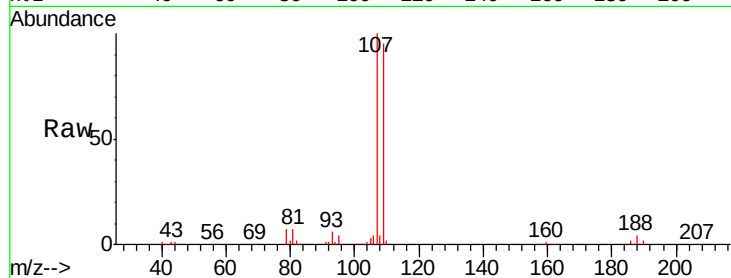
#61
 1,2-Dibromoethane
 Concen: 19.976 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion: 107 Resp: 203356
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.6 113.4

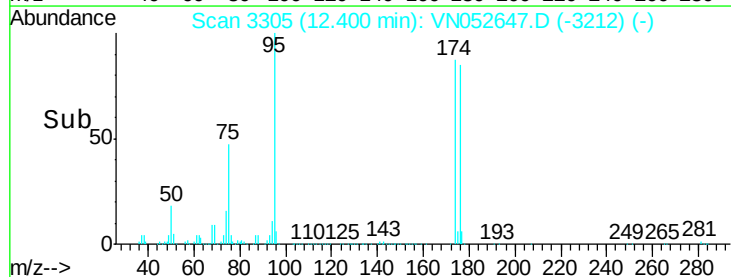
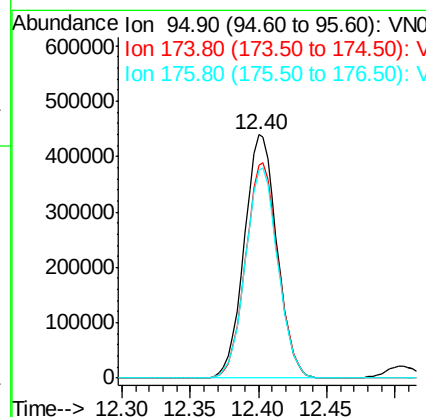
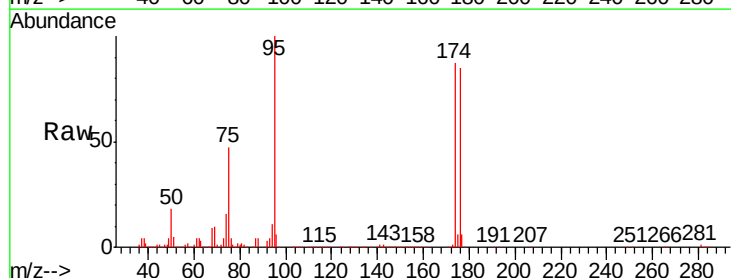
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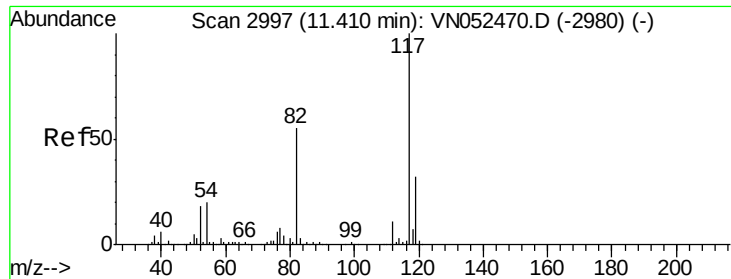
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 19.976 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion: 95 Resp: 731252
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 173.0
 176 85.7 0.0 166.2





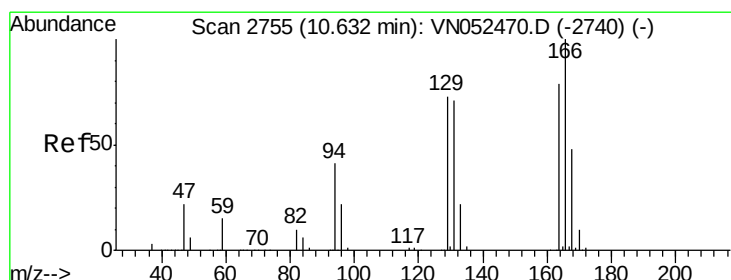
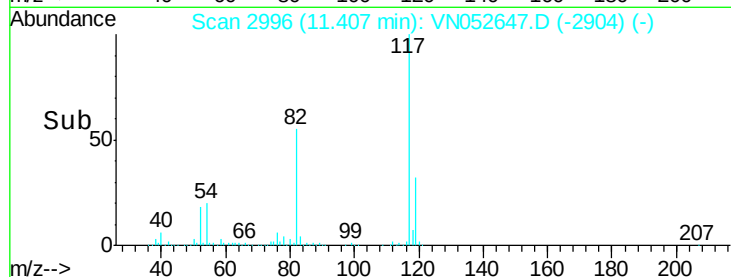
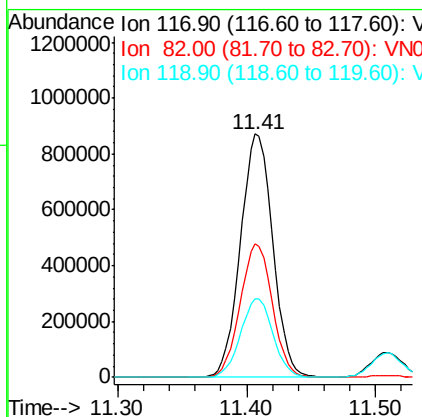
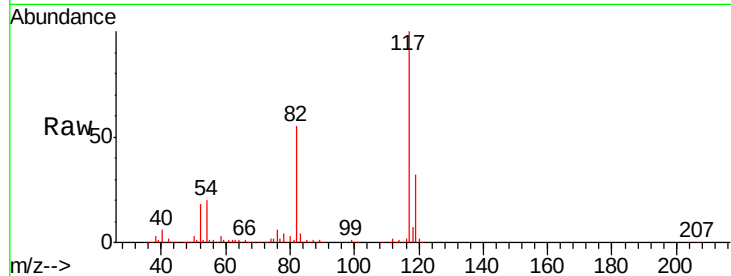
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion:117 Resp: 1523071
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.5 25.4 38.2

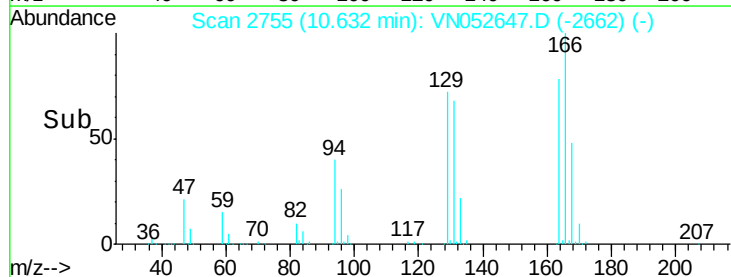
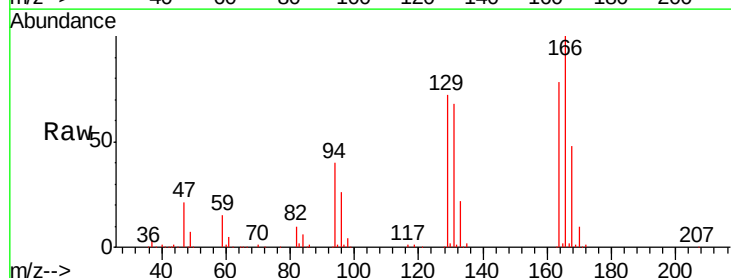
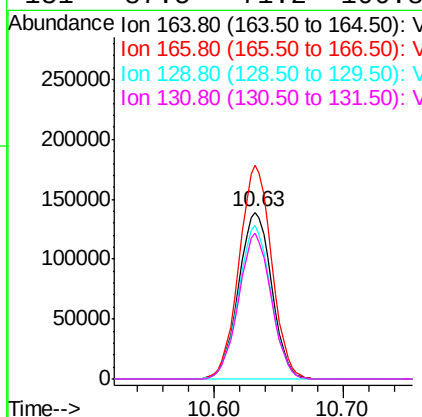
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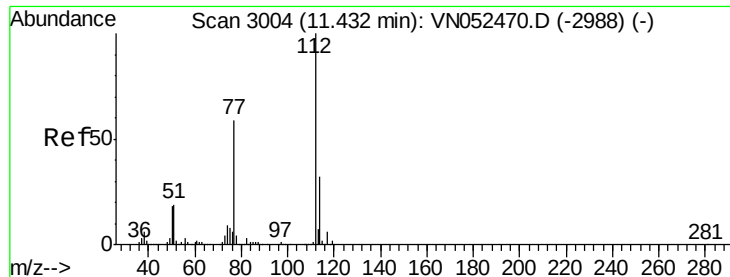
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#64
Tetrachloroethene
Concen: 21.058 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:164 Resp: 248675
Ion Ratio Lower Upper
164 100
166 128.2 101.0 151.4
129 91.9 73.8 110.6
131 87.5 71.2 106.8





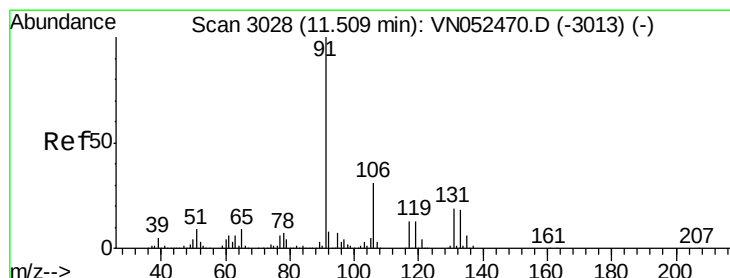
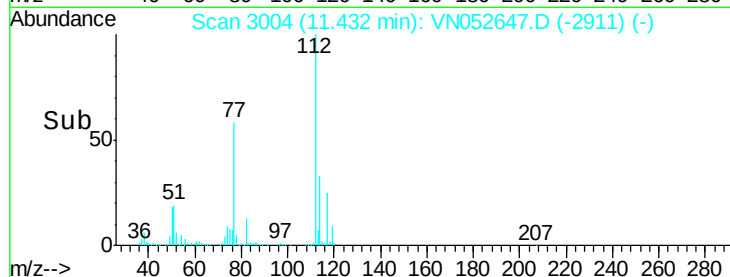
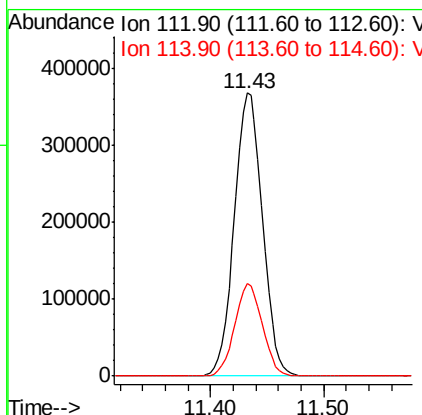
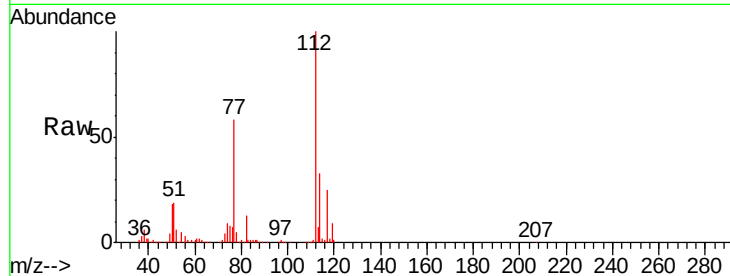
#65
Chlorobenzene
Concen: 20.345 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion:112 Resp: 638935
Ion Ratio Lower Upper
112 100
114 32.6 25.8 38.6

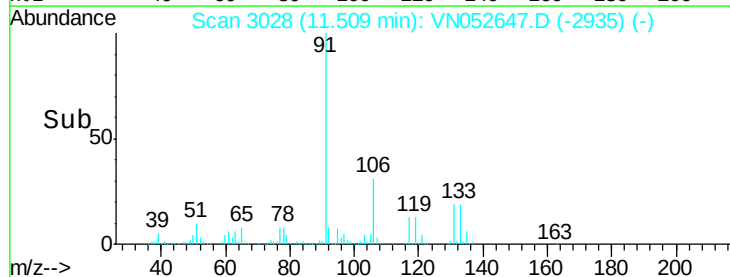
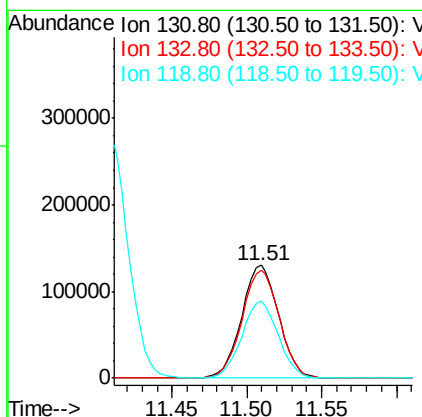
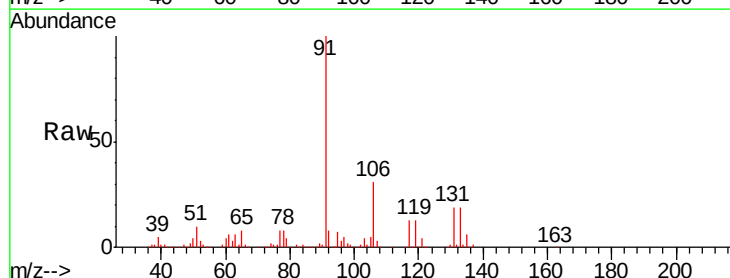
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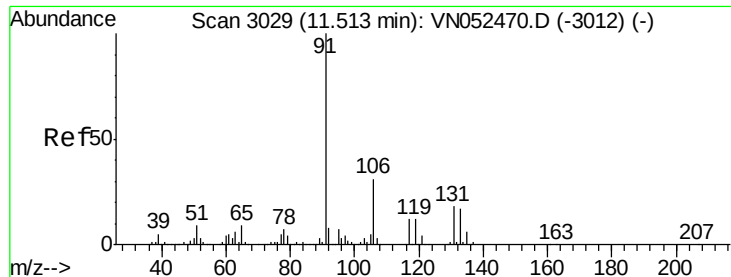
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.500 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion:131 Resp: 223859
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 67.4 33.2 99.6





#67

Ethyl Benzene

Concen: 20.241 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampled :

VN1204WBS01

Tgt Ion: 91 Resp: 1113200

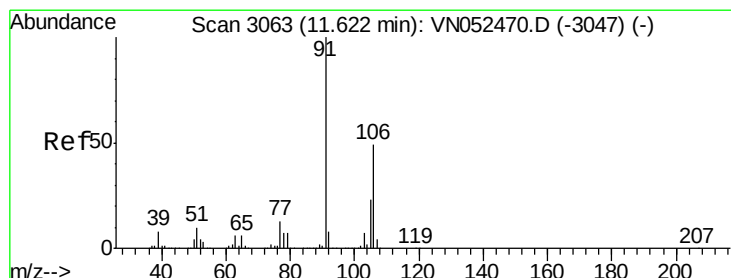
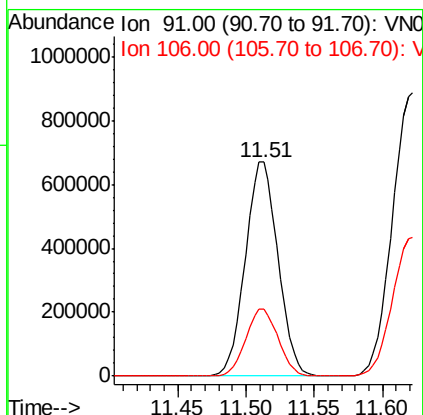
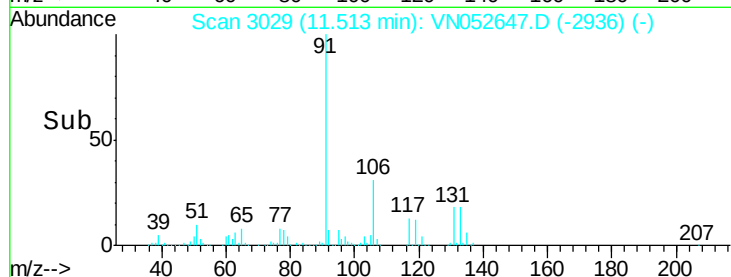
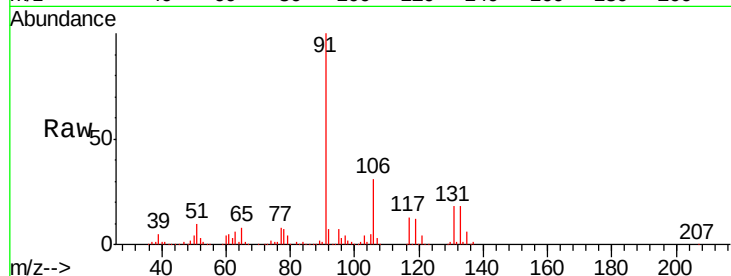
Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3

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#68

m/p-Xylenes

Concen: 40.795 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052647.D

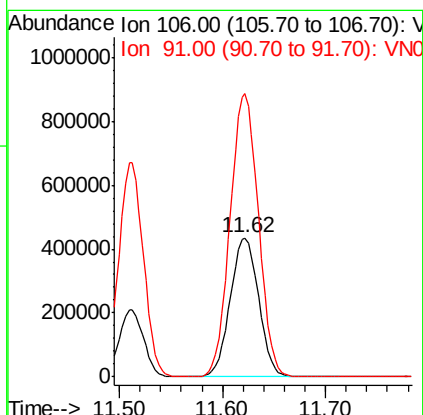
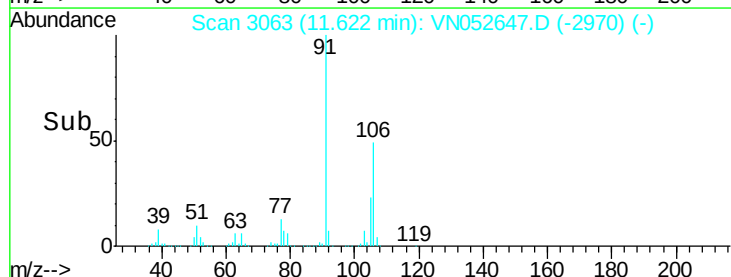
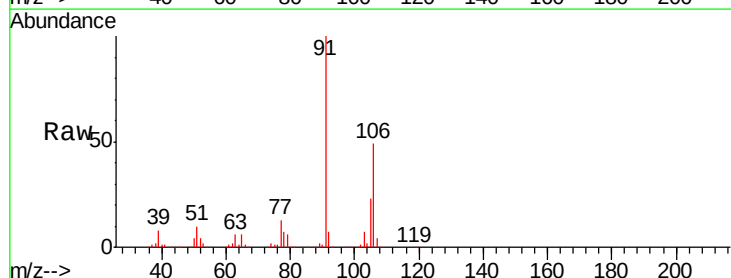
Acq: 4 Dec 2018 12:00

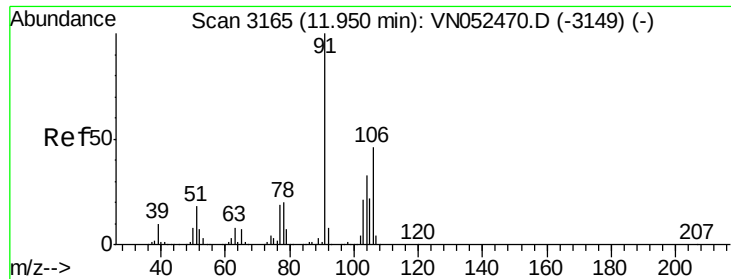
Tgt Ion: 106 Resp: 835228

Ion Ratio Lower Upper

106 100

91 203.1 163.2 244.8





#69

o-Xylene

Concen: 20.456 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion:106 Resp: 406707

Ion Ratio Lower Upper

106 100

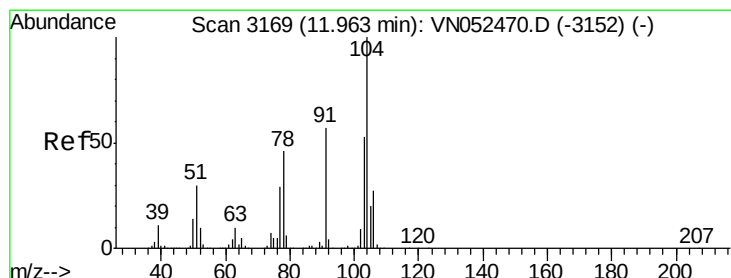
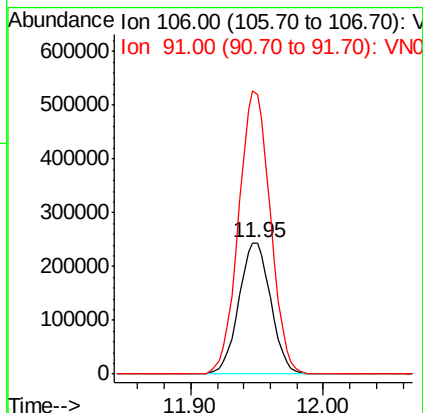
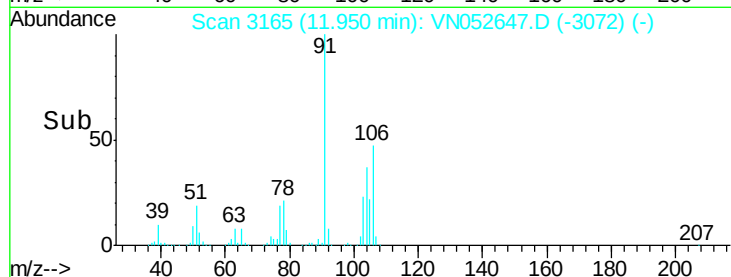
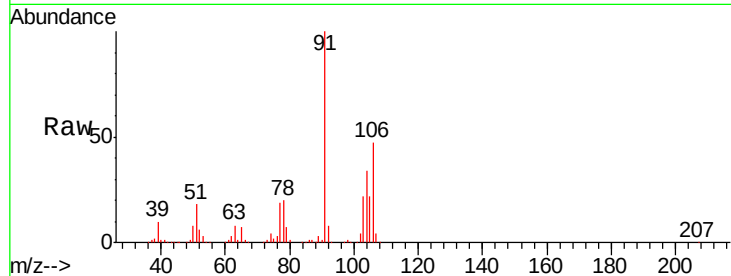
91 214.9 107.7 323.1

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#70

Styrene

Concen: 20.749 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

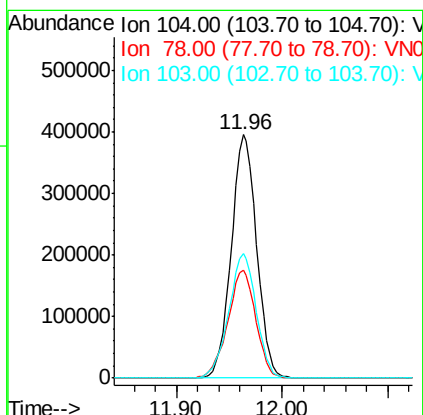
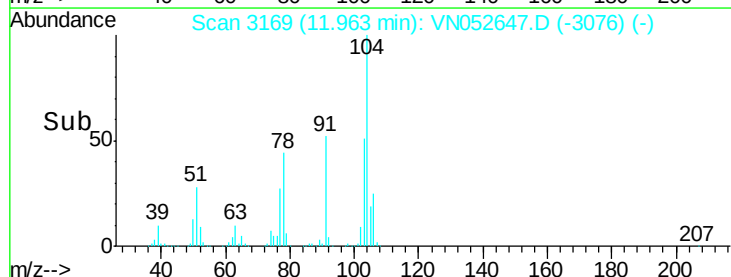
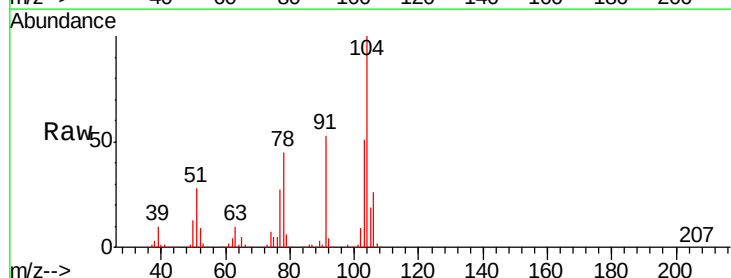
Tgt Ion:104 Resp: 657064

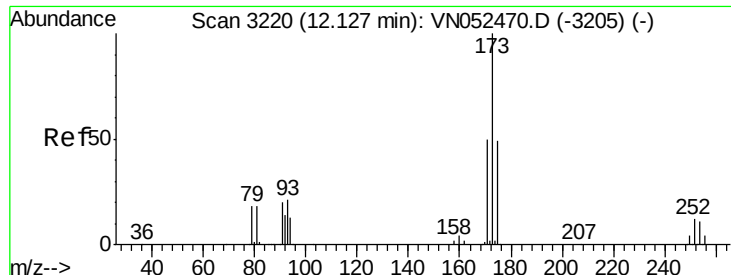
Ion Ratio Lower Upper

104 100

78 48.9 39.4 59.2

103 55.6 44.9 67.3





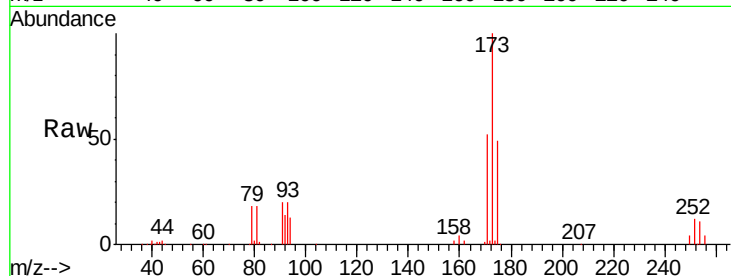
#71
Bromoform
Concen: 20.740 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

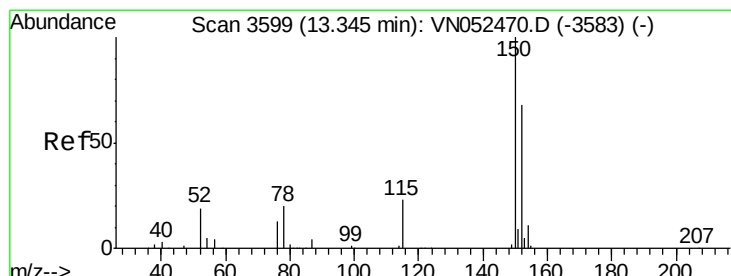
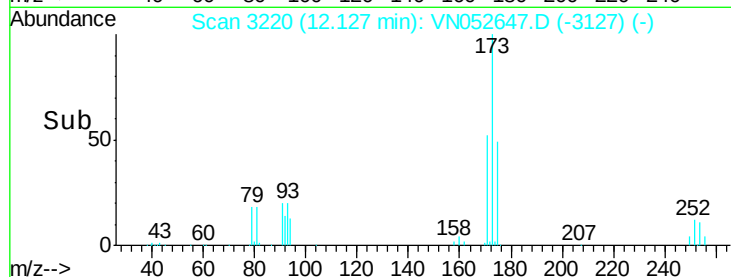
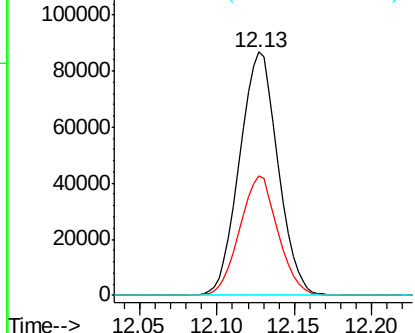
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.0	0.1	0.1#

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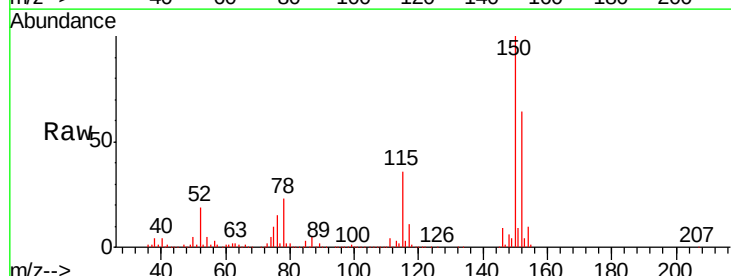


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

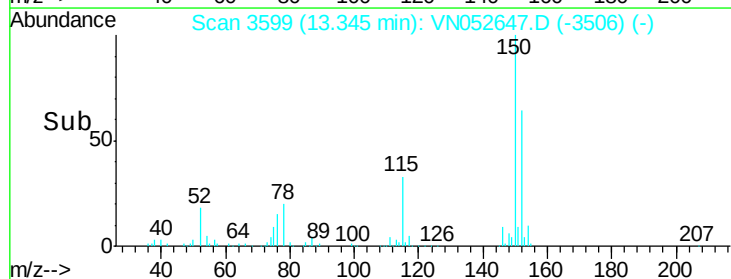
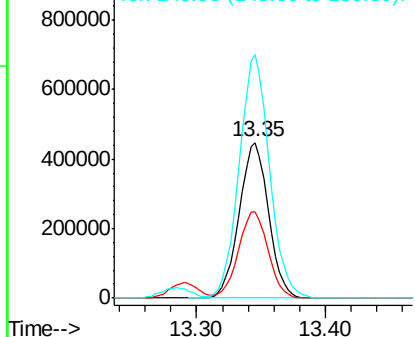


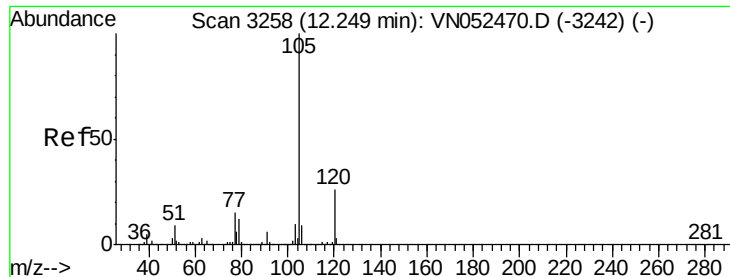
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.4	85.2
150	162.5	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: 19.836 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 105 Resp: 1097357

Ion Ratio Lower Upper

105 100

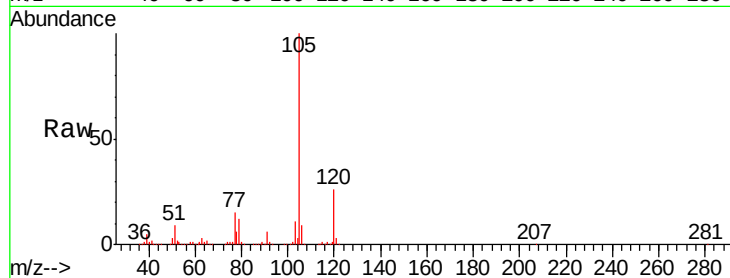
120 26.6 13.1 39.3

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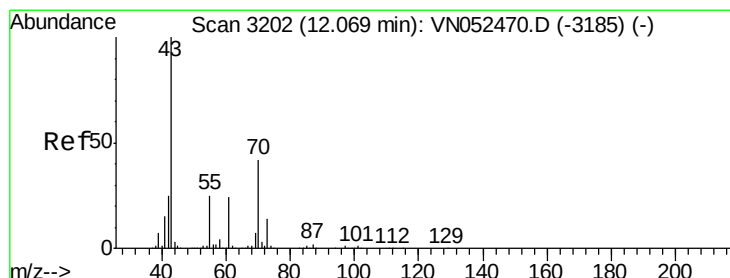
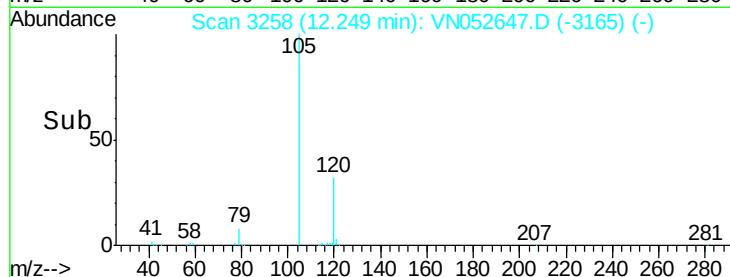
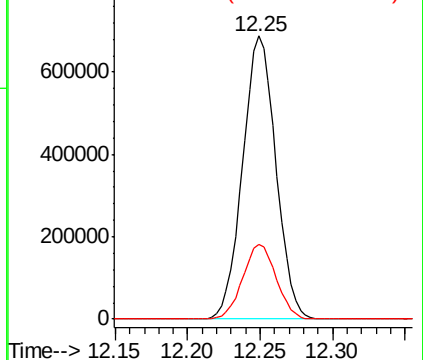
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.265 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion: 43 Resp: 269250

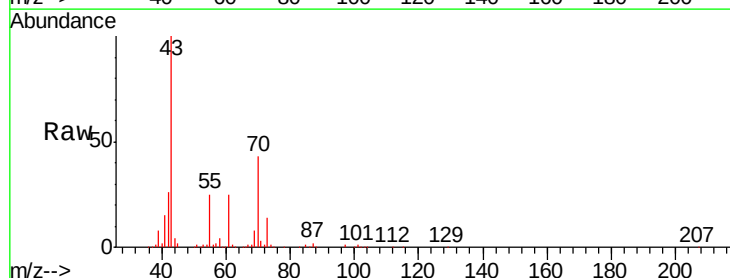
Ion Ratio Lower Upper

43 100

70 43.0 33.8 50.8

55 26.0 20.0 30.0

61 25.0 19.7 29.5

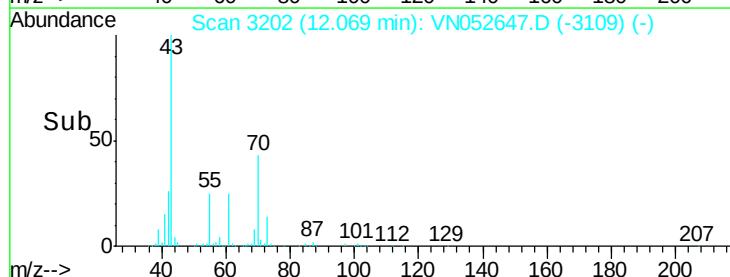
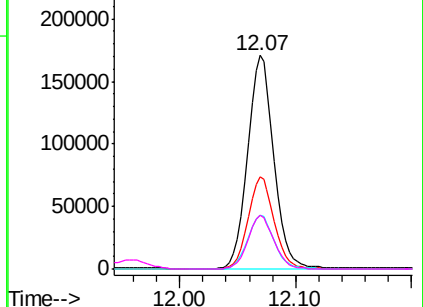


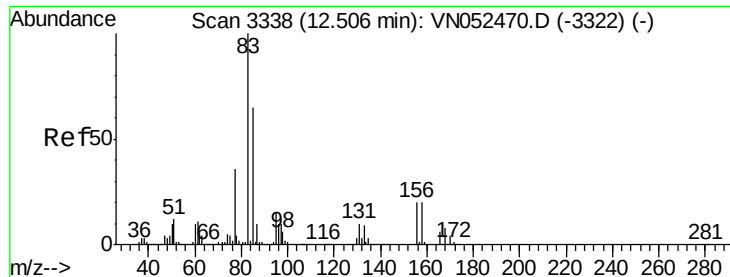
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.621 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

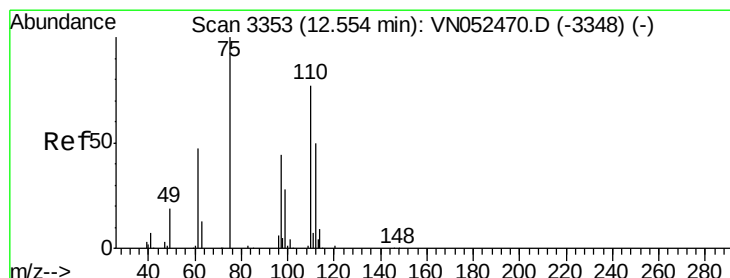
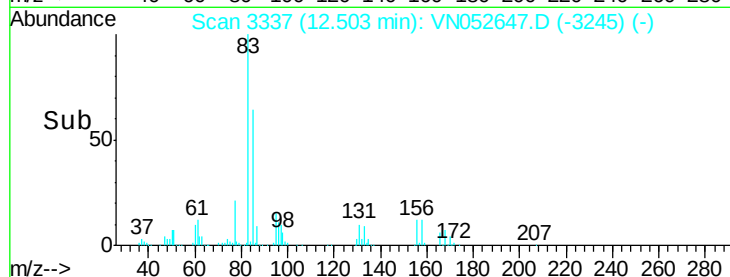
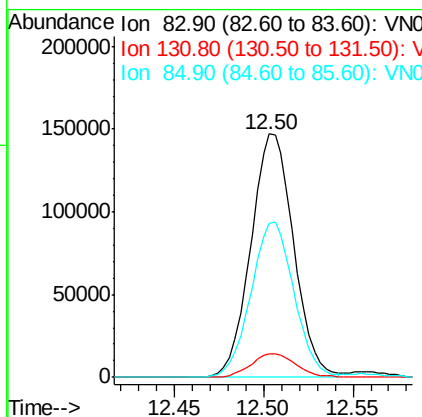
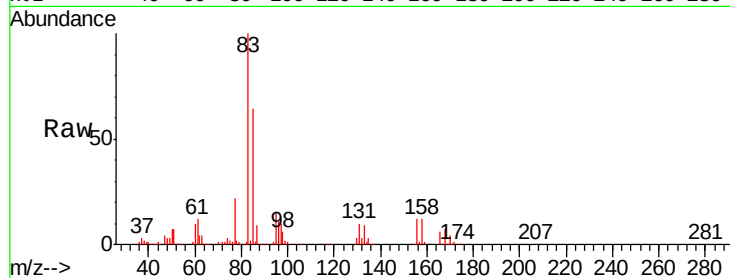
ClientSampleId :

VN1204WBS01

Tgt Ion:	83	Resp:	246923
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.2	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 18.949 ug/l m

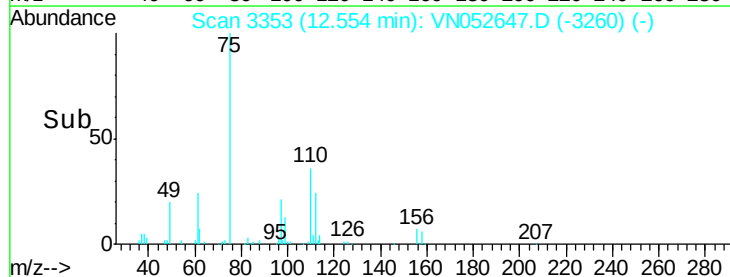
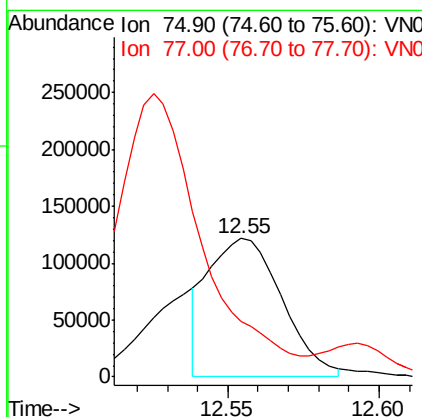
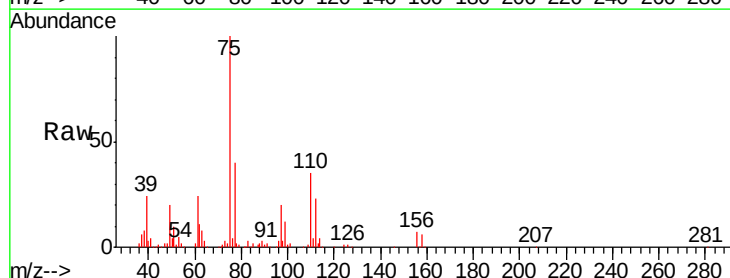
RT: 12.55 min Scan# 3353

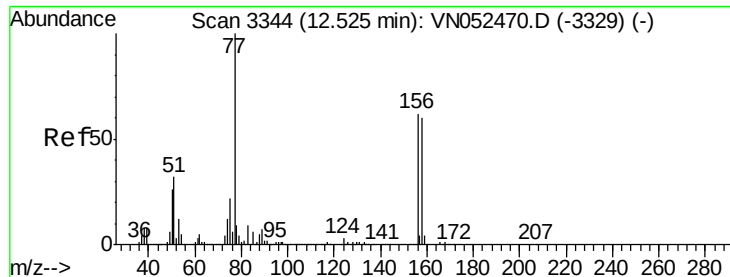
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	75	Resp:	206046
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.583 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

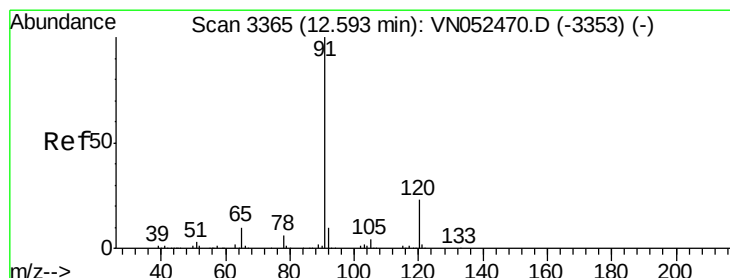
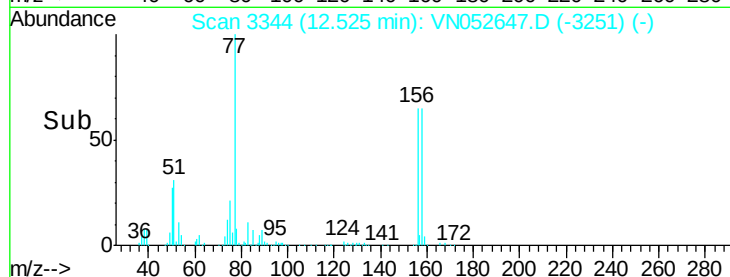
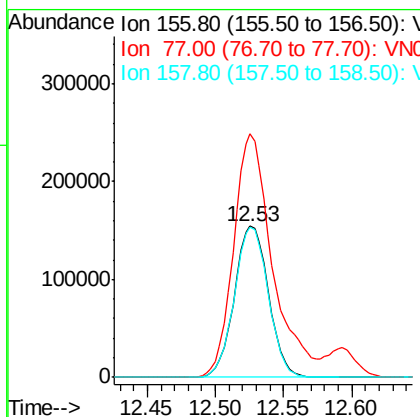
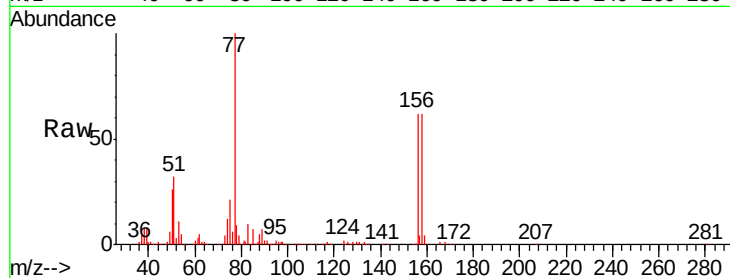
ClientSampleId :

VN1204WBS01

Tgt Ion:	156	Resp:	267774
Ion Ratio	Lower	Upper	
156	100		
77	183.4	93.5	280.4
158	98.6	48.3	144.9

Manual Integrations
APPROVED

MMDadoda
12/5/2018 9:13:04 AM



#78

n-propylbenzene

Concen: 19.897 ug/l

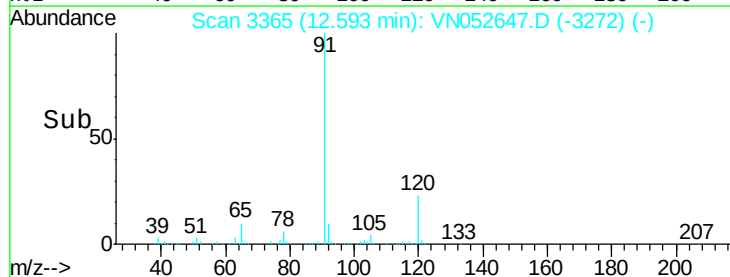
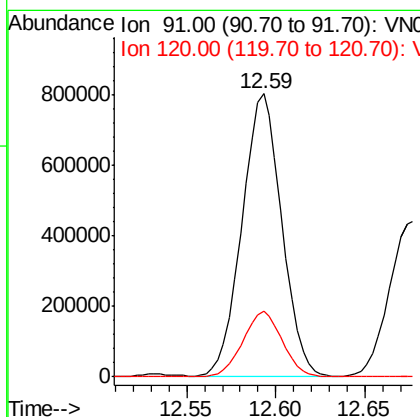
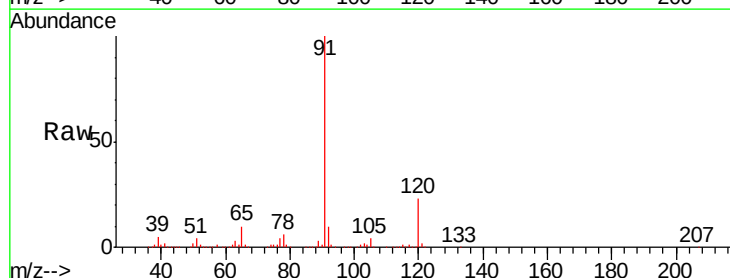
RT: 12.59 min Scan# 3365

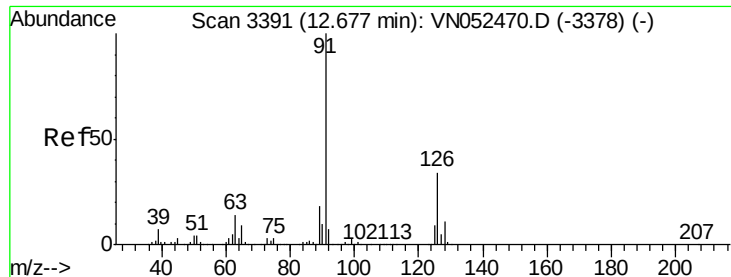
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	91	Resp:	1250490
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.627 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBS01

Tgt Ion: 91 Resp: 734558

Ion Ratio Lower Upper

91 100

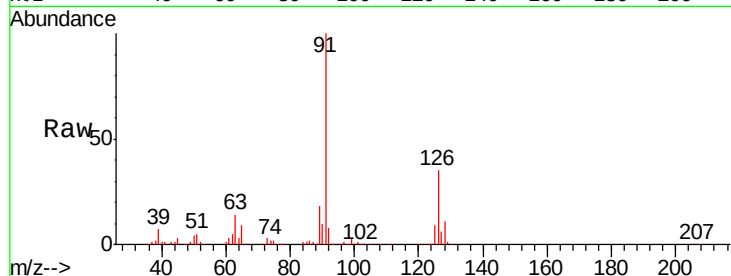
126 34.7 17.2 51.6

Manual Integrations

APPROVED

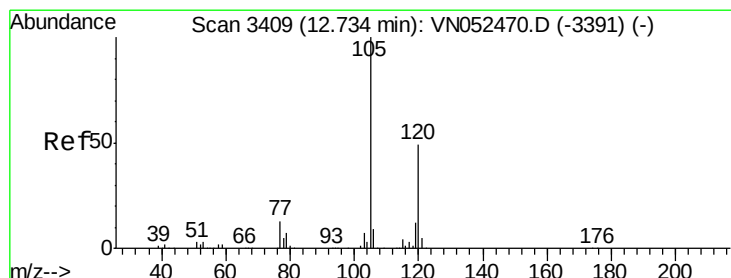
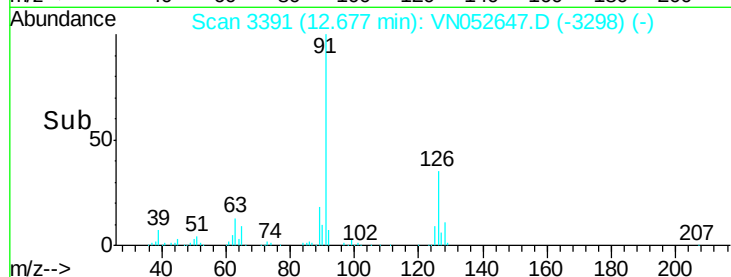
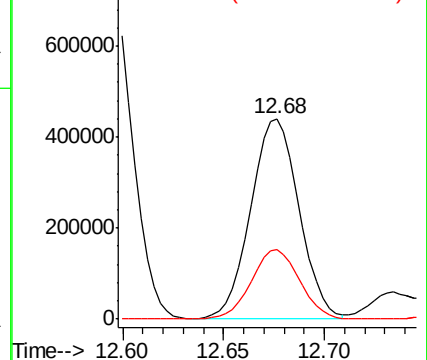
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN052647.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052647.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.306 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052647.D

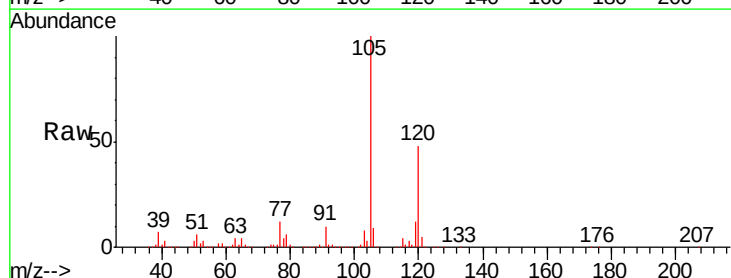
Acq: 4 Dec 2018 12:00

Tgt Ion: 105 Resp: 895929

Ion Ratio Lower Upper

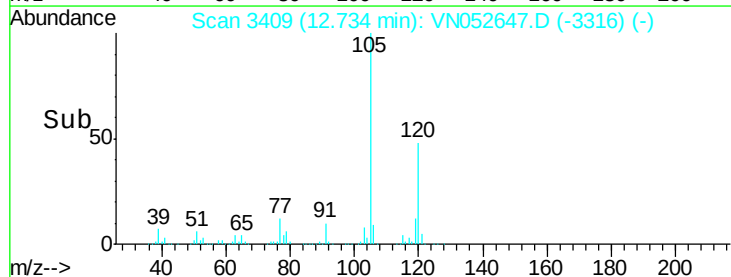
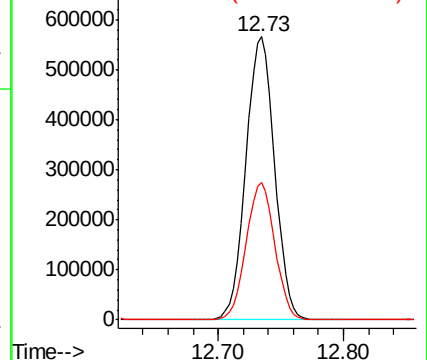
105 100

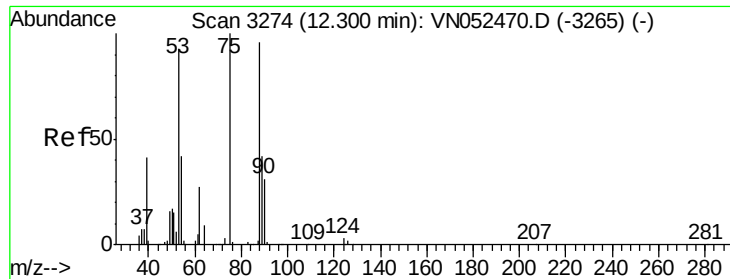
120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052647.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052647.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.403 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

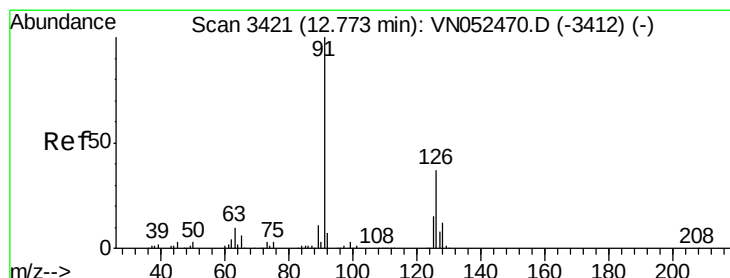
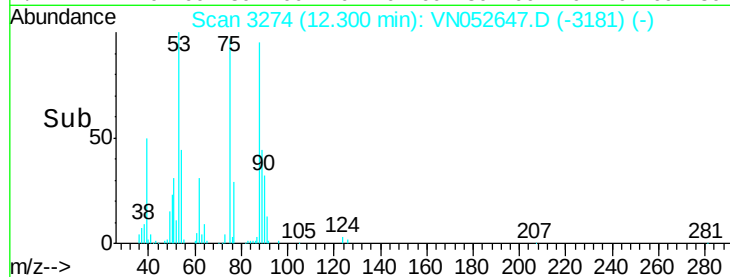
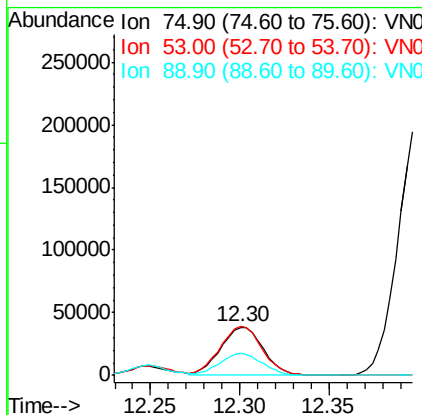
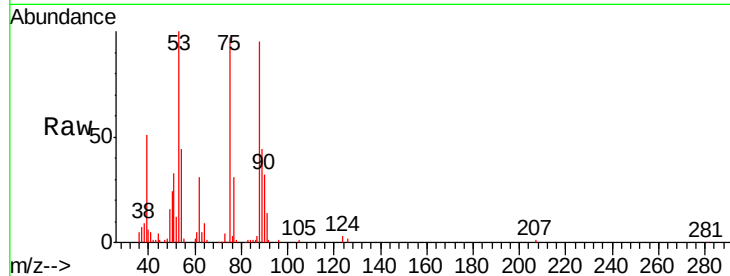
ClientSampleId :

VN1204WBS01

Tgt Ion:	75	Resp:	63176
Ion	Ratio	Lower	Upper
75	100		
53	102.0	77.4	116.0
89	45.2	35.4	53.2

Manual Integrations
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12/5/2018 9:13:04 AM



#82

4-Chlorotoluene

Concen: 19.584 ug/l

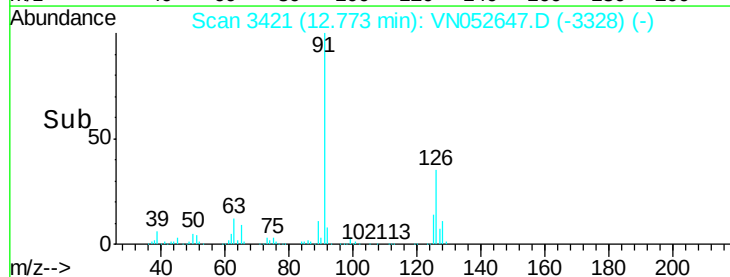
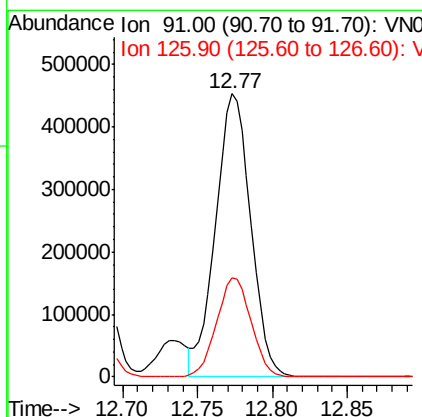
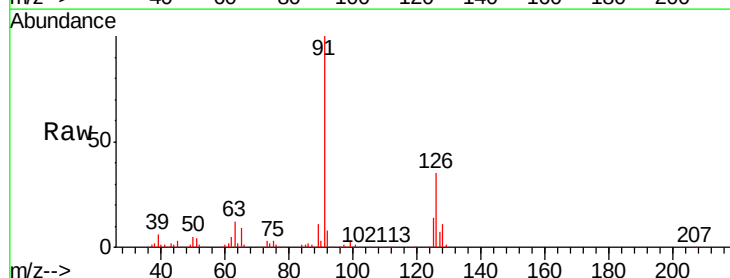
RT: 12.77 min Scan# 3421

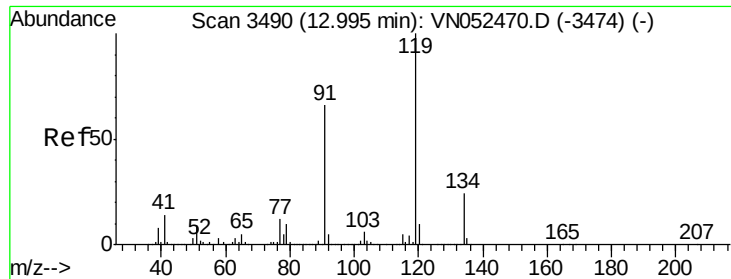
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	91	Resp:	738718
Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.9	50.6





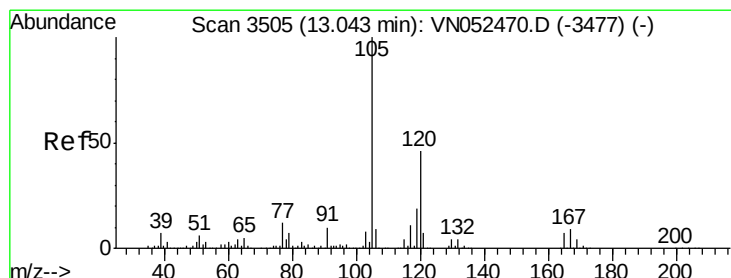
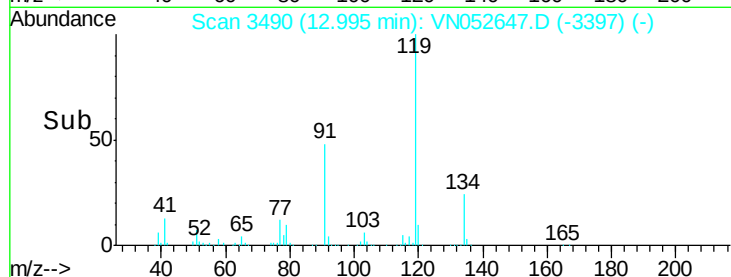
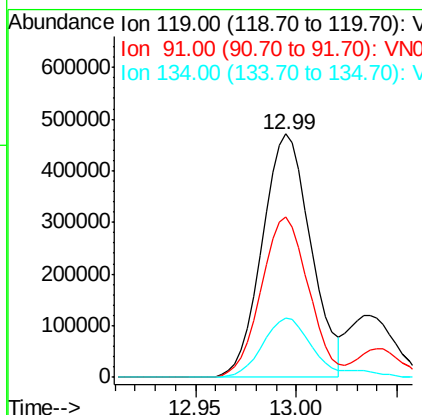
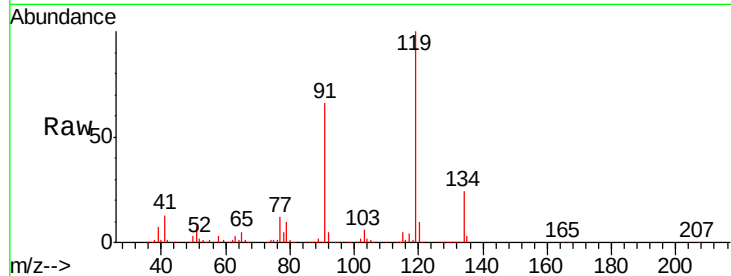
#83
 tert-Butylbenzene
 Concen: 20.108 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	790950		
91	64.5	32.3	96.9	
134	26.1	13.0	38.9	

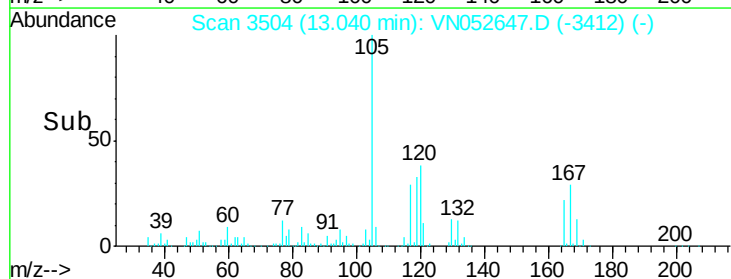
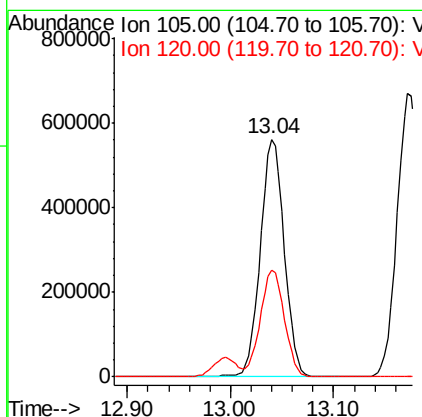
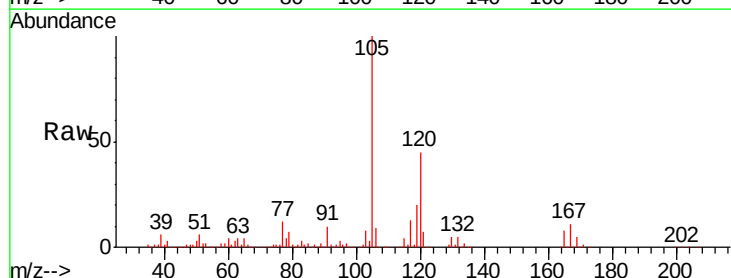
Manual Integrations
 APPROVED

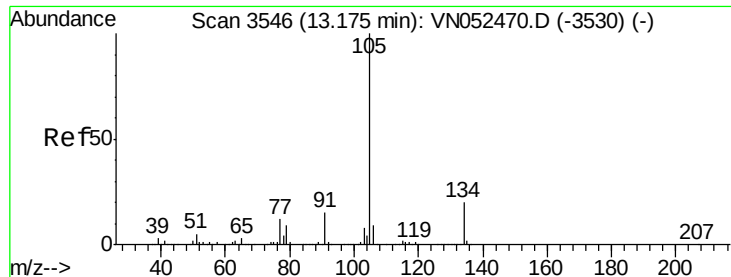
MMDadoda
 12/5/2018 9:13:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.393 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	901737		
120	45.3	22.8	68.4	





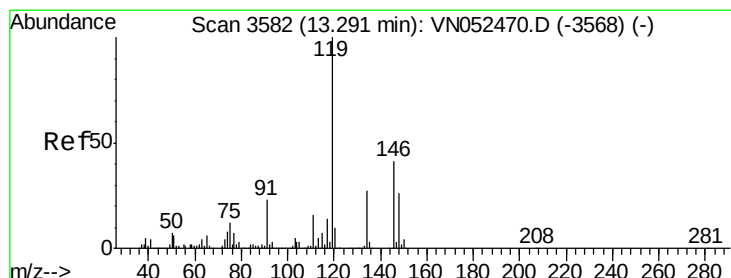
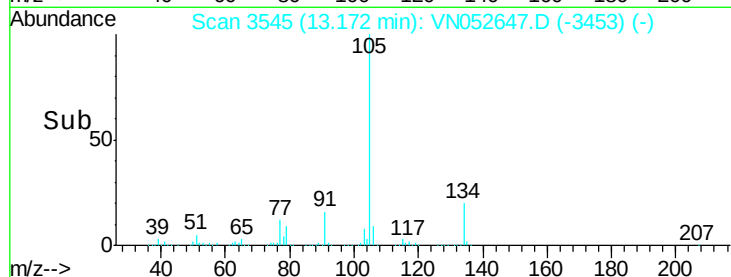
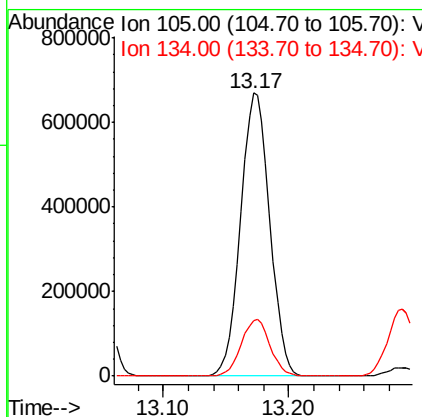
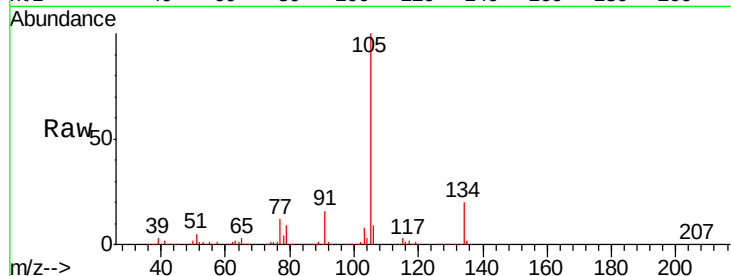
#85
 sec-Butylbenzene
 Concen: 20.161 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion:105 Resp: 1080143
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7

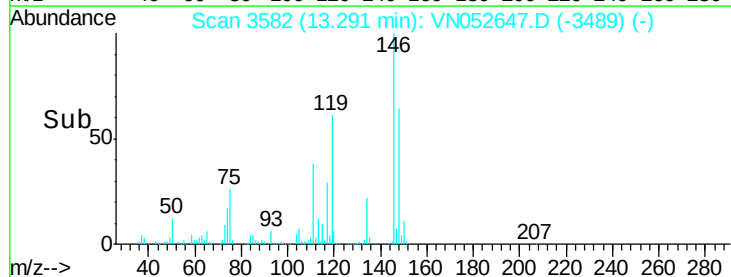
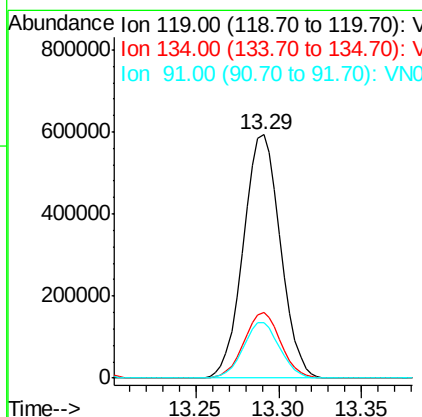
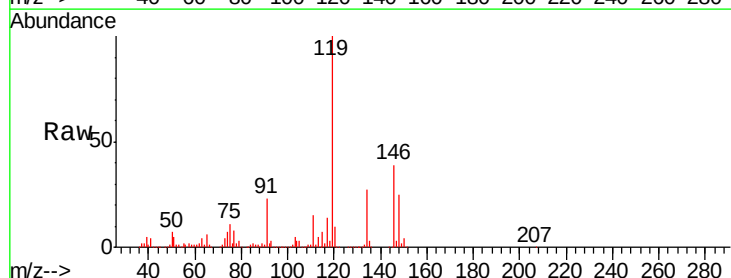
Manual Integrations
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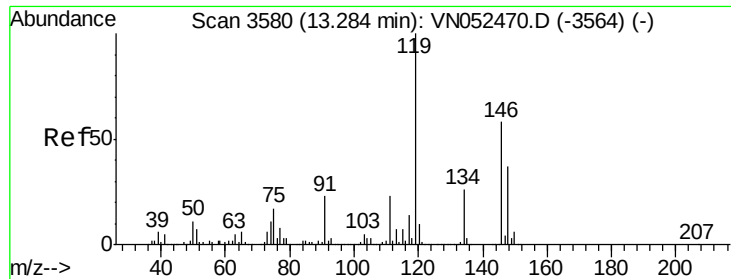
MMDadoda
 12/5/2018 9:13:04 AM



#86
 p-Isopropyltoluene
 Concen: 20.207 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion:119 Resp: 922056
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.4 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.755 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

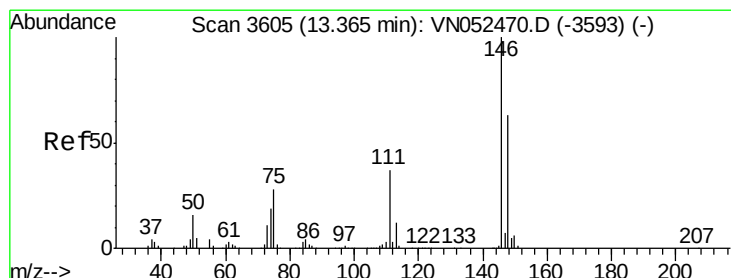
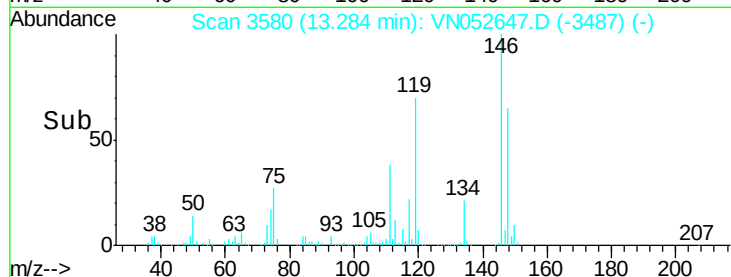
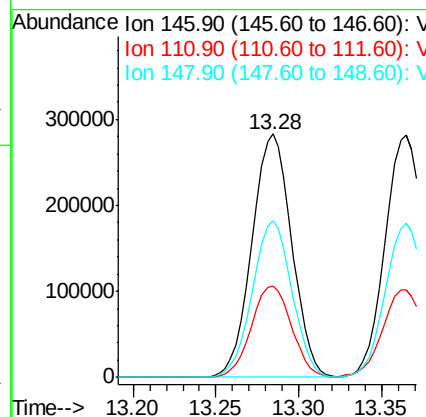
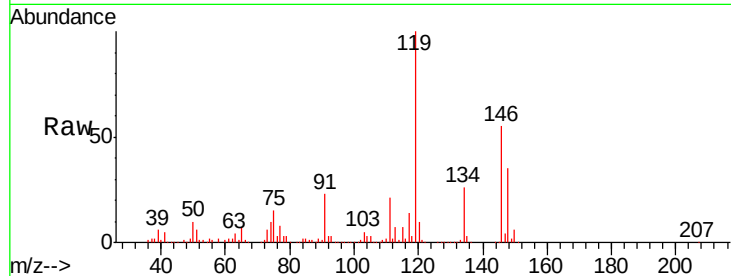
ClientSampleId :

VN1204WBS01

Tgt Ion:	146	Resp:	472516
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.4	58.4
148	63.9	31.8	95.4

Manual Integrations
APPROVED

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12/5/2018 9:13:04 AM



#88

1,4-Dichlorobenzene

Concen: 19.925 ug/l

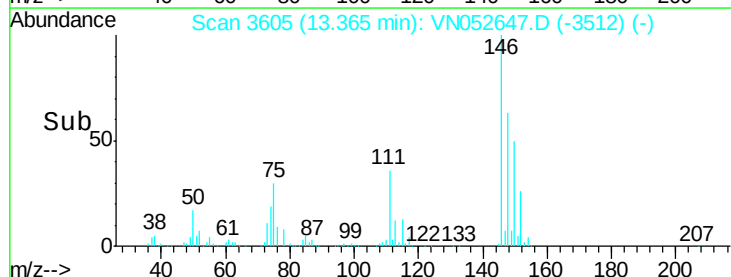
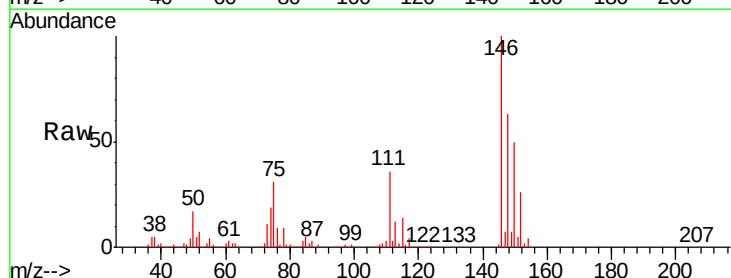
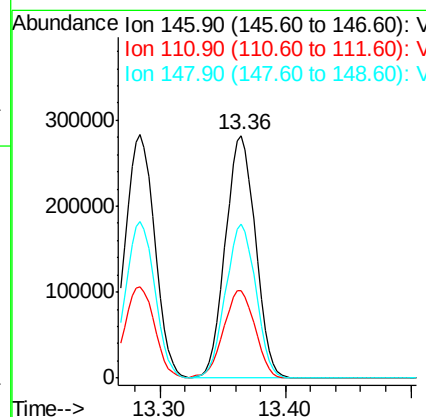
RT: 13.36 min Scan# 3605

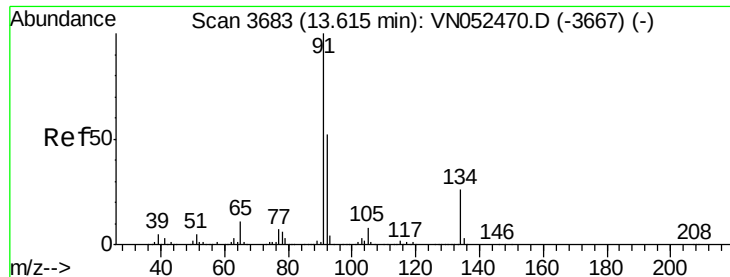
Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	146	Resp:	469444
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	56.0
148	63.6	31.9	95.9





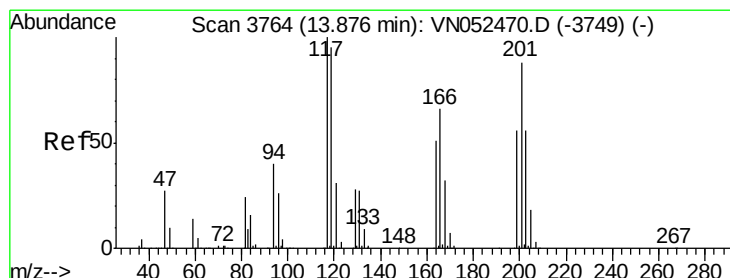
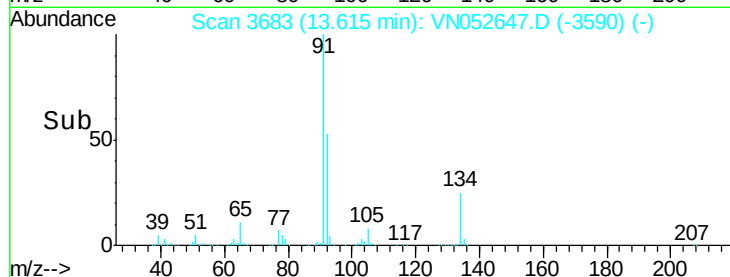
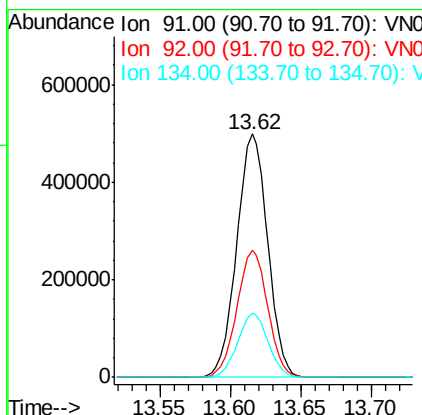
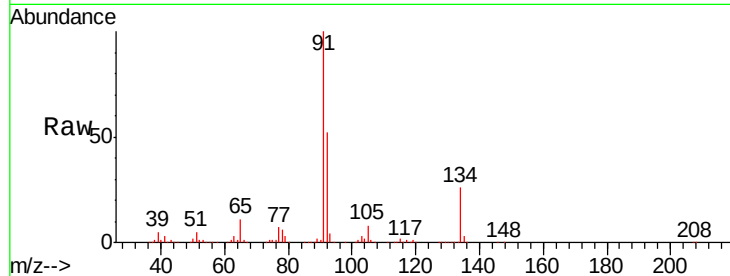
#89
n-Butylbenzene
Concen: 20.230 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.3
134	26.0	13.0	38.9

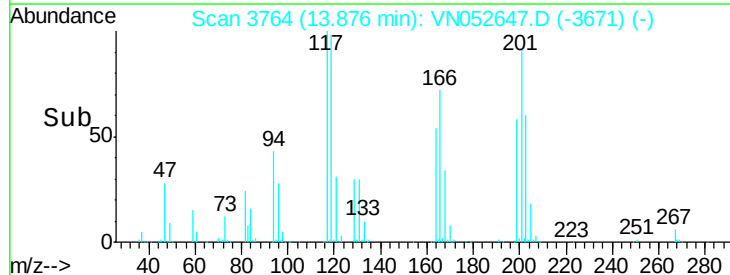
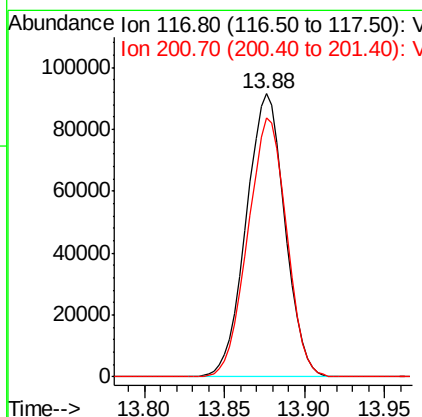
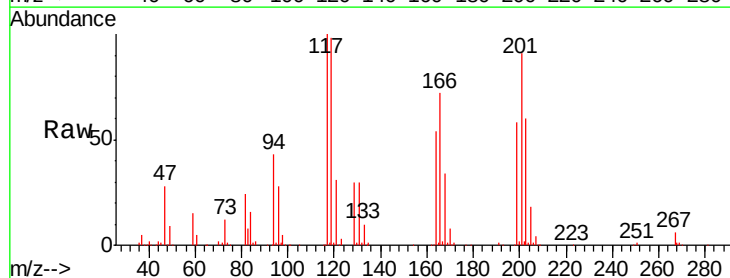
Manual Integrations
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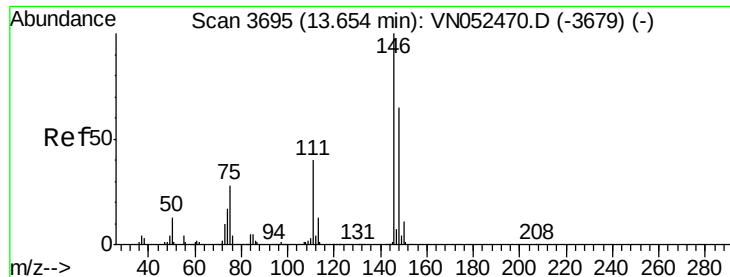
MMDadoda
12/5/2018 9:13:04 AM



#90
Hexachloroethane
Concen: 19.563 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052647.D
Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	43.6	130.9





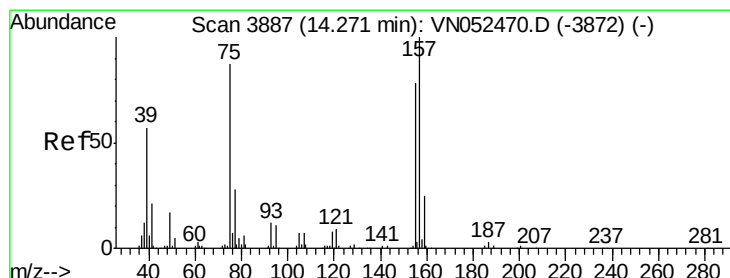
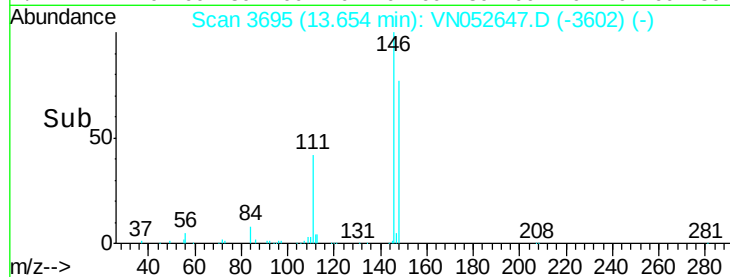
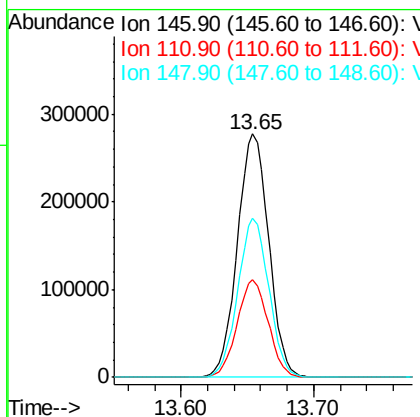
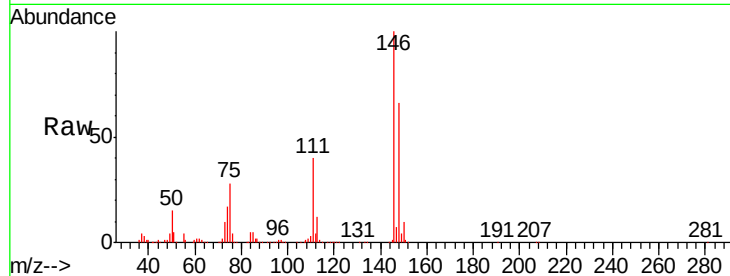
#91
 1,2-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	455654		
111	39.8	20.0	60.0	
148	64.7	32.0	96.2	

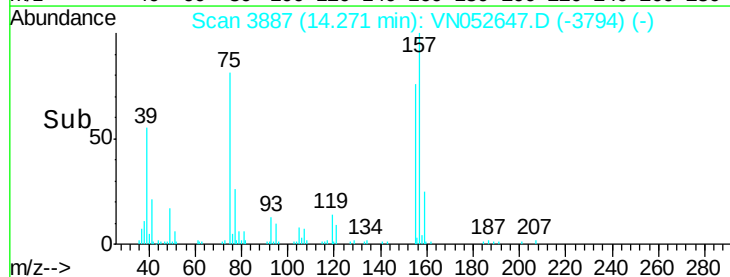
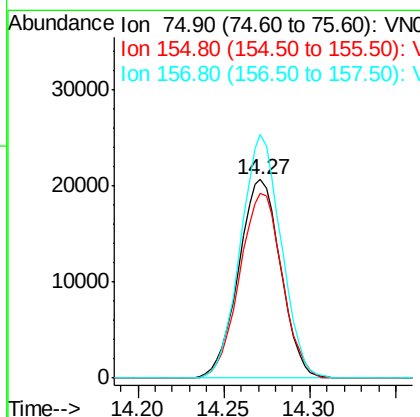
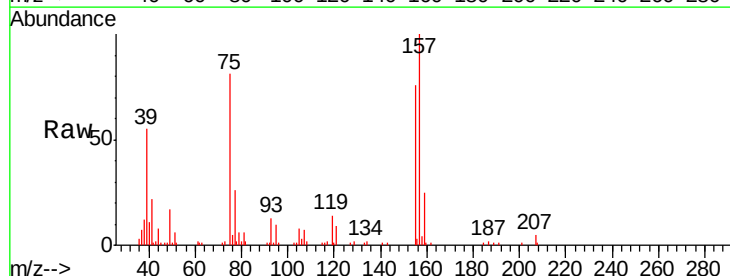
Manual Integrations
 APPROVED

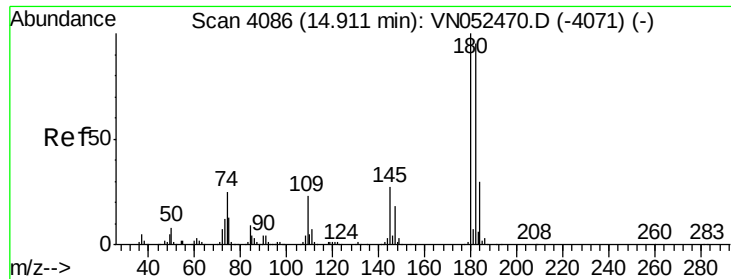
MMDadoda
 12/5/2018 9:13:04 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.535 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35160		
155	93.6	45.3	135.9	
157	118.0	58.1	174.2	





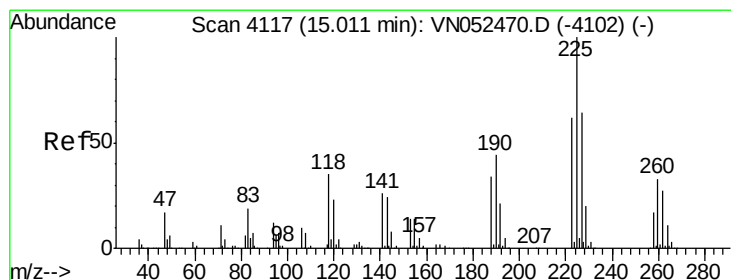
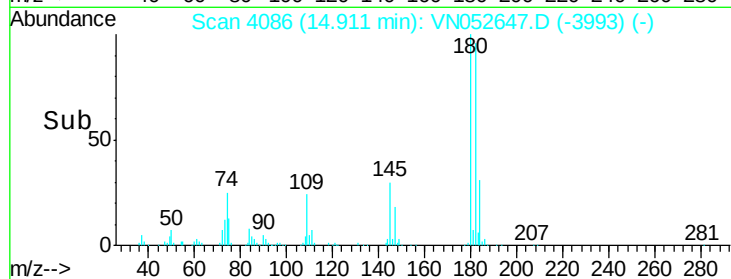
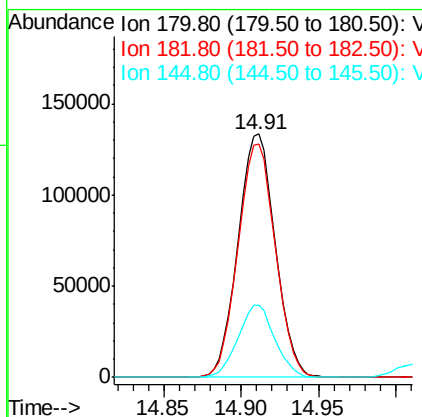
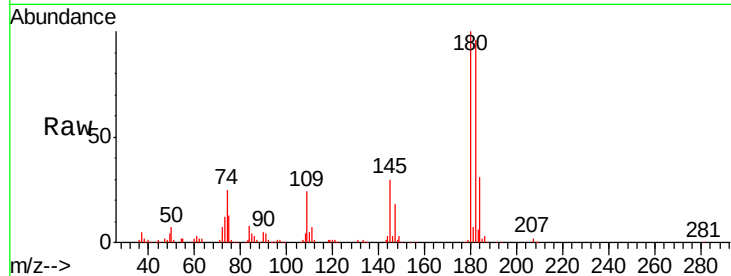
#93
 1,2,4-Trichlorobenzene
 Concen: 19.650 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	223199		
182	96.1	47.8	143.4	
145	29.4	14.1	42.3	

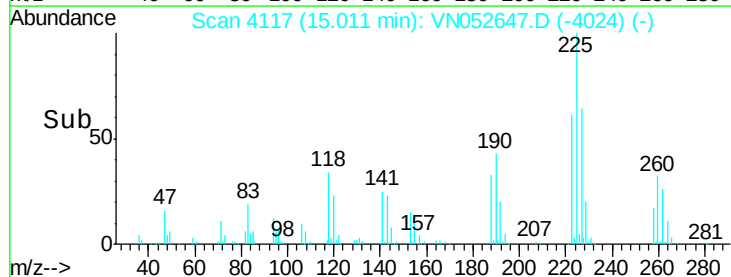
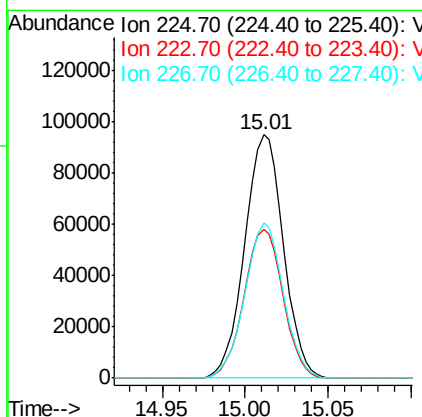
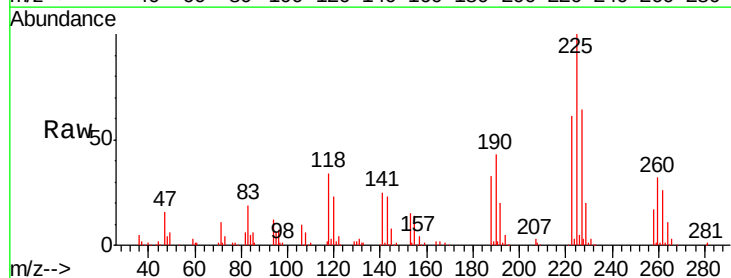
Manual Integrations
 APPROVED

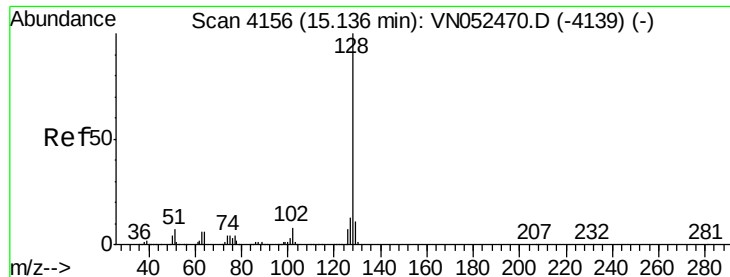
MMDadoda
 12/5/2018 9:13:04 AM



#94
 Hexachlorobutadiene
 Concen: 20.982 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052647.D
 Acq: 4 Dec 2018 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	154254		
223	61.7	31.4	94.2	
227	63.3	32.5	97.4	





#95

Naphthalene

Concen: 19.209 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Instrument :

MSVOA_N

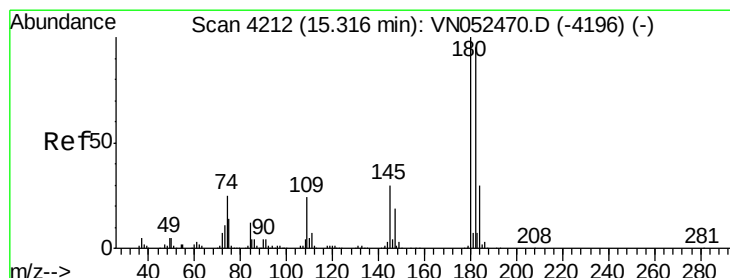
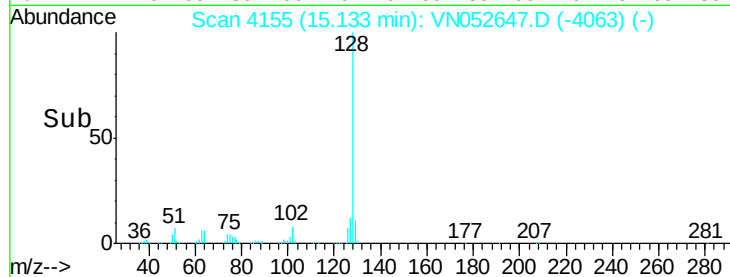
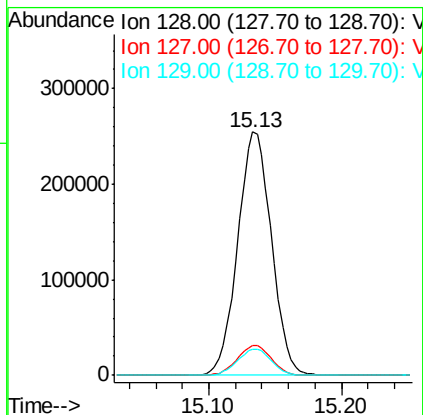
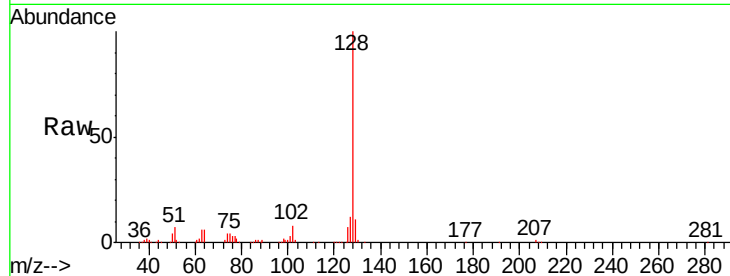
ClientSampleId :

VN1204WBS01

Tgt Ion:	128	Resp:	449788
Ion Ratio	Lower	Upper	
128	100		
127	12.4	10.2	15.2
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/5/2018 9:13:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.217 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052647.D

Acq: 4 Dec 2018 12:00

Tgt Ion:	180	Resp:	212926
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.3
145	29.7	15.2	45.5

