

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050677.D
 Acq On : 16 Aug 2018 1:32
 Operator : MD\SY
 Sample : VN0815WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:19:17 PM

Quant Time: Aug 16 05:10:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	619162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	920579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	822395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	404747	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	404045	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.59	113	373511	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1383873	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.40	95	435685	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	133480	19.12	ug/l	98
3) Chloromethane	2.06	50	175430	20.33	ug/l	100
4) Vinyl Chloride	2.18	62	180806	19.50	ug/l	99
5) Bromomethane	2.56	94	104431	19.69	ug/l	98
6) Chloroethane	2.70	64	109788	20.37	ug/l	98
7) Trichlorofluoromethane	3.01	101	240043	19.73	ug/l	98
8) Diethyl Ether	3.41	74	83787	20.70	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144556	19.65	ug/l	98
10) Methyl Iodide	3.95	142	91773	22.06	ug/l	99
11) Tert butyl alcohol	4.80	59	49623	116.44	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	132613	19.74	ug/l	98
13) Acrolein	3.61	56	13659	77.19	ug/l	99
14) Allyl chloride	4.32	41	199014	19.04	ug/l	99
15) Acrylonitrile	5.00	53	251153	107.31	ug/l	99
16) Acetone	3.82	43	222162	113.21	ug/l	100
17) Carbon Disulfide	4.05	76	410061	19.40	ug/l	100
18) Methyl Acetate	4.33	43	127661	22.75	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	368205	21.53	ug/l	99
20) Methylene Chloride	4.55	84	159918	20.82	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	146489	20.11	ug/l	97
22) Diisopropyl ether	5.96	45	462643	21.59	ug/l	97
23) Vinyl Acetate	5.90	43	1502006	107.17	ug/l	99
24) 1,1-Dichloroethane	5.85	63	278627	20.10	ug/l	100
25) 2-Butanone	6.84	43	348293	108.84	ug/l	99
26) 2,2-Dichloropropane	6.83	77	147567	15.90	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160127	19.74	ug/l	99
28) Bromochloromethane	7.20	49	131915	20.91	ug/l	100
29) Tetrahydrofuran	7.22	42	192467	115.19	ug/l	99
30) Chloroform	7.37	83	280628	19.97	ug/l	99
31) Cyclohexane	7.66	56	234967	19.65	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	238676	20.18	ug/l	99
36) 1,1-Dichloropropene	7.80	75	205620	20.07	ug/l	99
37) Ethyl Acetate	6.93	43	137374	23.72	ug/l	100
38) Carbon Tetrachloride	7.78	117	211390	19.88	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	212273	20.01	ug/l	97
40) Benzene	8.04	78	640066	20.53	ug/l	100
41) Methacrylonitrile	7.17	41	65233	20.83	ug/l	97
42) 1,2-Dichloroethane	8.13	62	195381	20.45	ug/l	99
43) Isopropyl Acetate	8.17	43	221023	20.94	ug/l	98
44) Trichloroethene	8.84	130	164552	19.70	ug/l	99
45) 1,2-Dichloropropane	9.12	63	168018	20.24	ug/l	99
46) Dibromomethane	9.21	93	97853	19.97	ug/l	99
47) Bromodichloromethane	9.40	83	209407	19.99	ug/l	99
48) Methyl methacrylate	9.20	41	105269	19.82	ug/l	96
49) 1,4-Dioxane	9.20	88	30467	435.39	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	807124	113.05	ug/l	99
52) Toluene	10.16	92	379190	20.37	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	189136	19.39	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	222867	19.91	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	143596	20.65	ug/l	98
56) Ethyl methacrylate	10.43	69	164803	19.77	ug/l	99
57) 1,3-Dichloropropane	10.71	76	236958	20.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	388608	98.06	ug/l	99
59) 2-Hexanone	10.75	43	513116	111.35	ug/l	100
60) Dibromochloromethane	10.90	129	157216	20.49	ug/l	99
61) 1,2-Dibromoethane	11.01	107	138230	20.87	ug/l	99
64) Tetrachloroethene	10.63	164	157938	20.68	ug/l	99
65) Chlorobenzene	11.44	112	408214	19.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	153993	20.07	ug/l	99
67) Ethyl Benzene	11.51	91	678388	20.53	ug/l	100
68) m/p-Xylenes	11.62	106	528047	41.78	ug/l	100
69) o-Xylene	11.95	106	251717	20.89	ug/l	100
70) Styrene	11.96	104	410276	19.72	ug/l	100
71) Bromoform	12.13	173	103788	20.40	ug/l #	99
73) Isopropylbenzene	12.25	105	658963	20.84	ug/l	100
74) N-amyl acetate	12.07	43	177364	21.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175358	22.61	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	140888m	20.95	ug/l	
77) Bromobenzene	12.53	156	174208	20.29	ug/l	99
78) n-propylbenzene	12.59	91	743214	21.08	ug/l	99
79) 2-Chlorotoluene	12.68	91	453846	20.64	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	548958	21.68	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35064	19.26	ug/l	98
82) 4-Chlorotoluene	12.77	91	459160	21.13	ug/l	99
83) tert-Butylbenzene	12.99	119	464462	21.13	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	550869	21.68	ug/l	100
85) sec-Butylbenzene	13.17	105	611604	21.29	ug/l	100
86) p-Isopropyltoluene	13.29	119	511873	21.03	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	298050	20.39	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	285735	19.70	ug/l	99
89) n-Butylbenzene	13.62	91	387726	19.73	ug/l	99
90) Hexachloroethane	13.88	117	96535	19.73	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	294852	20.68	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24659	21.86	ug/l	98

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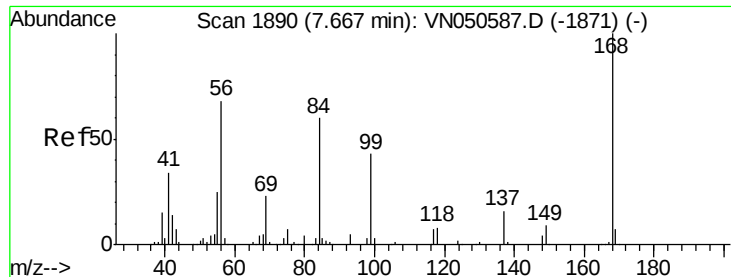
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124082	18.72	ug/l	98
94) Hexachlorobutadiene	15.01	225	86088	19.69	ug/l	99
95) Naphthalene	15.14	128	253580	18.89	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	128550	20.02	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion:168 Resp: 619162

Ion Ratio Lower Upper

168 100

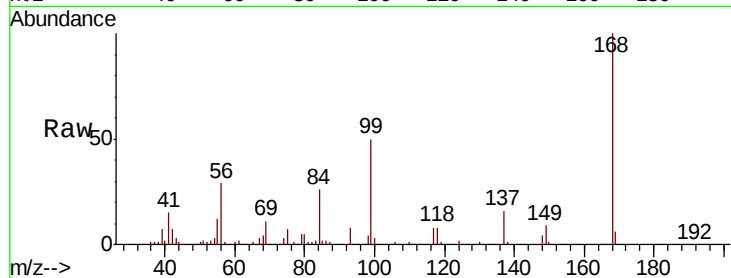
99 49.3 40.8 61.2

Manual Integrations

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8/16/2018 1:19:17 PM

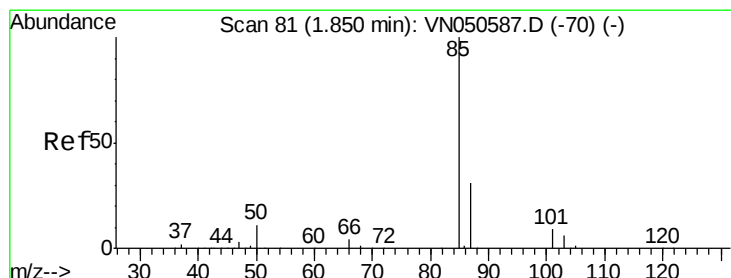
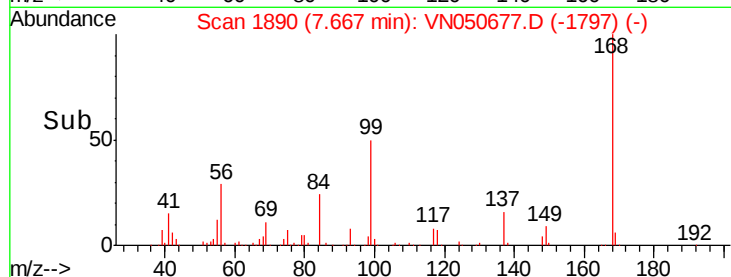


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

Time-->



#2

Dichlorodifluoromethane

Concen: 19.12 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050677.D

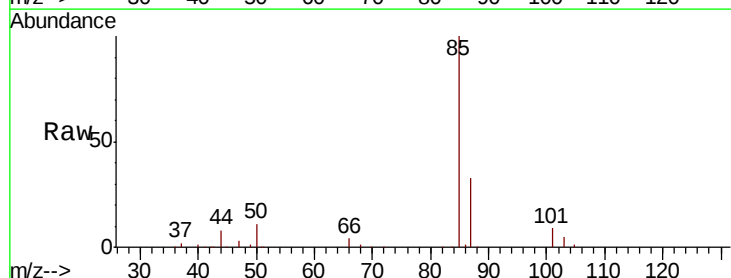
Acq: 16 Aug 2018 1:32

Tgt Ion: 85 Resp: 133480

Ion Ratio Lower Upper

85 100

87 32.7 15.8 47.3

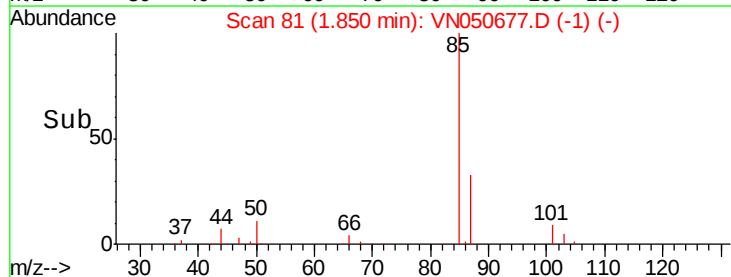


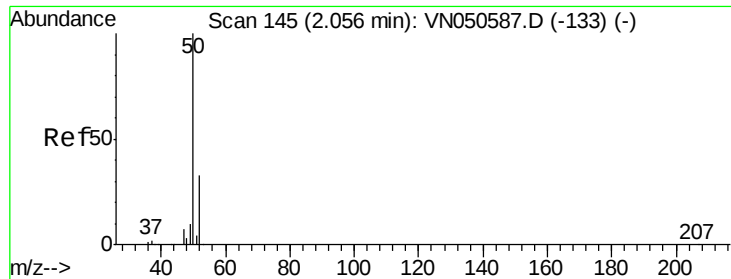
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

Time-->





#3

Chloromethane

Concen: 20.33 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 50 Resp: 175430

Ion Ratio Lower Upper

50 100

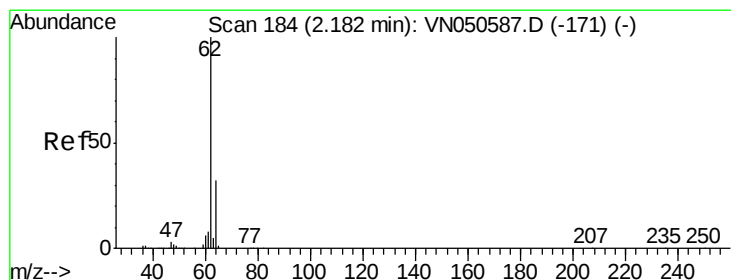
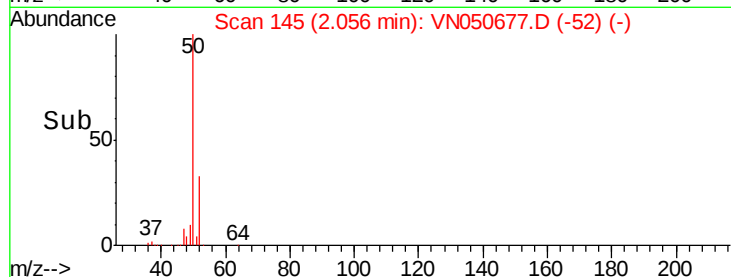
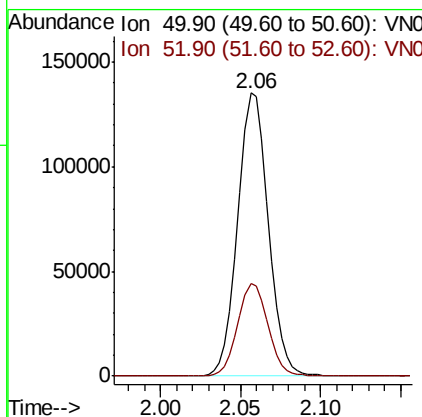
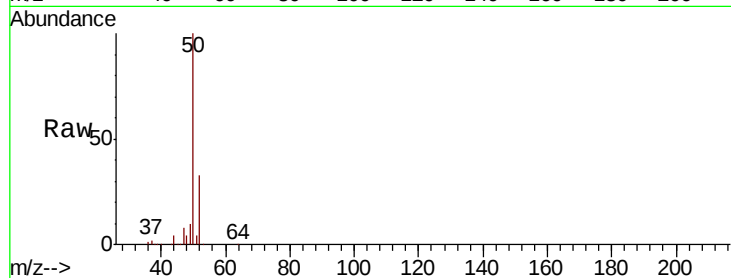
52 32.6 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.50 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050677.D

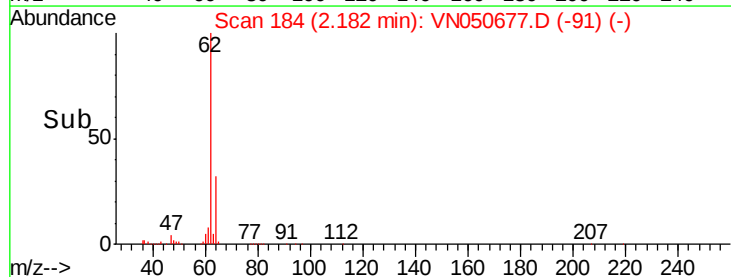
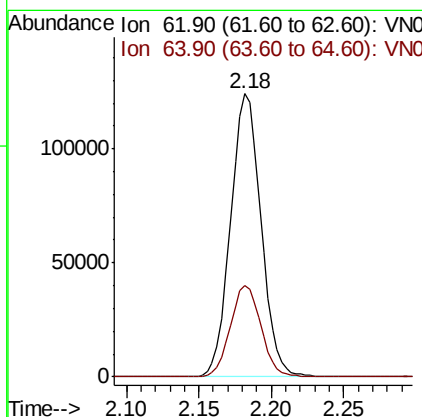
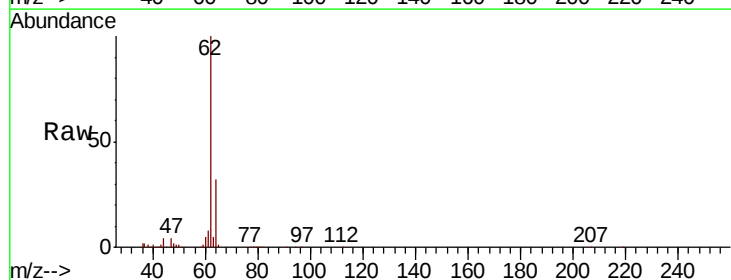
Acq: 16 Aug 2018 1:32

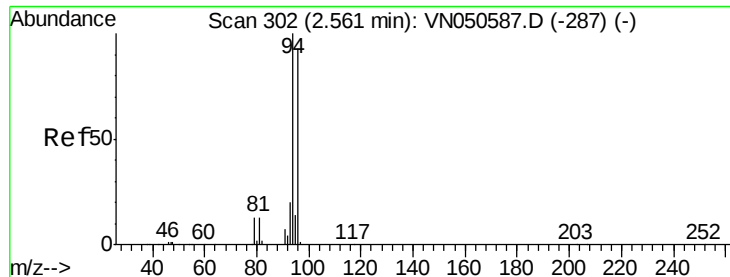
Tgt Ion: 62 Resp: 180806

Ion Ratio Lower Upper

62 100

64 32.3 25.2 37.8





#5

Bromomethane

Concen: 19.69 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

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ClientSampleId :

VN0815WBSD03

Tot Ion: 94 Resp: 104431

Ion Ratio Lower Upper

94 100

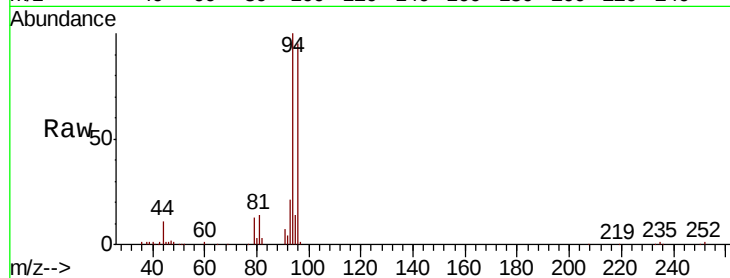
96 94.4 74.0 111.0

Manual Integrations

APPROVED

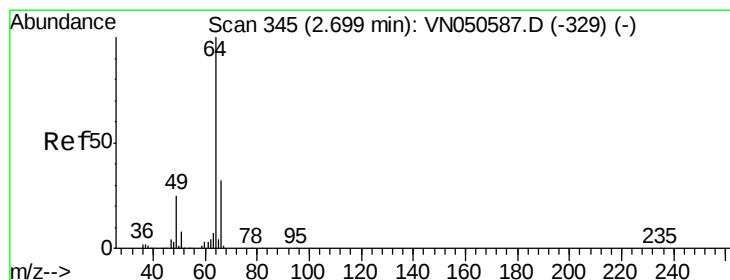
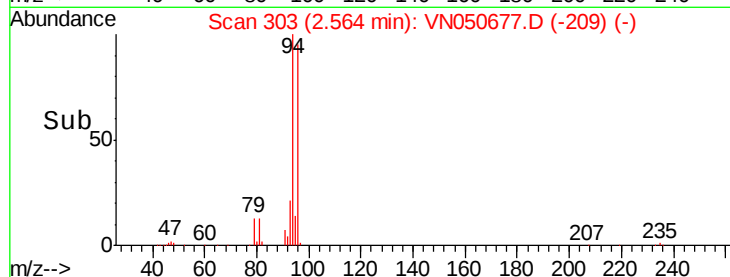
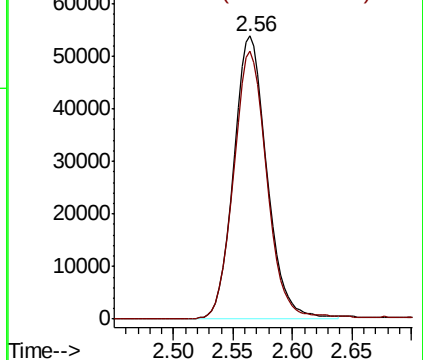
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.37 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050677.D

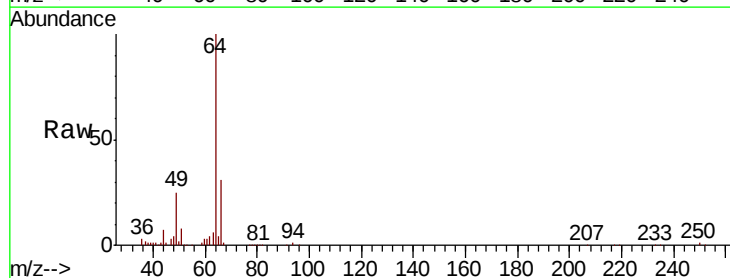
Acq: 16 Aug 2018 1:32

Tgt Ion: 64 Resp: 109788

Ion Ratio Lower Upper

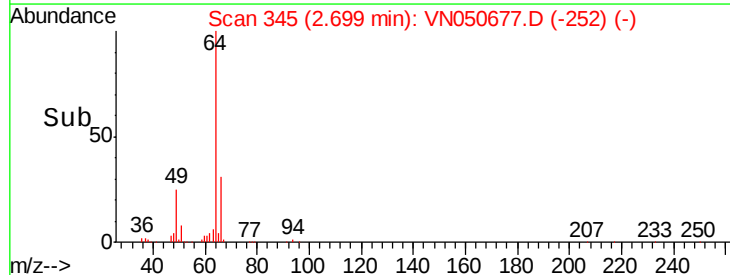
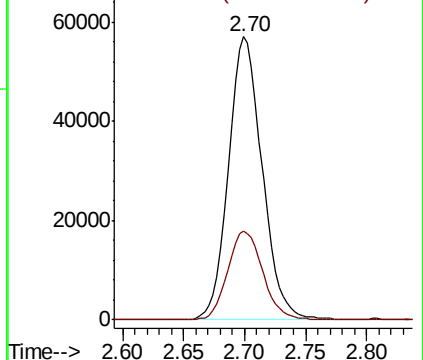
64 100

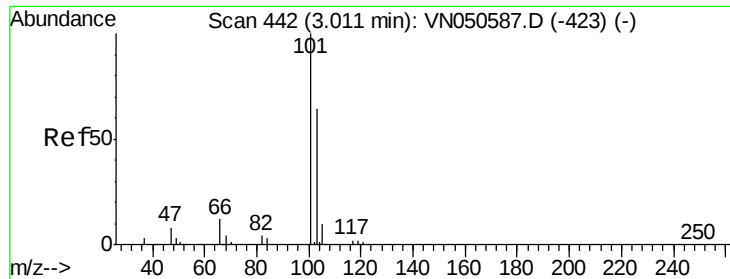
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

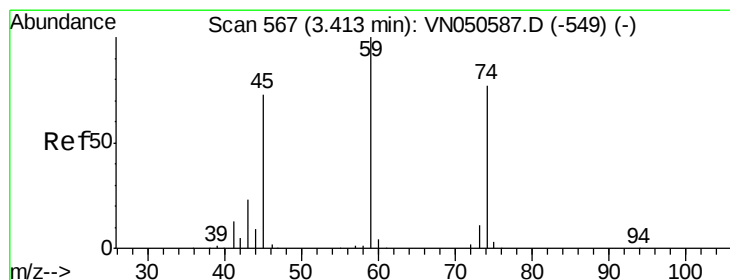
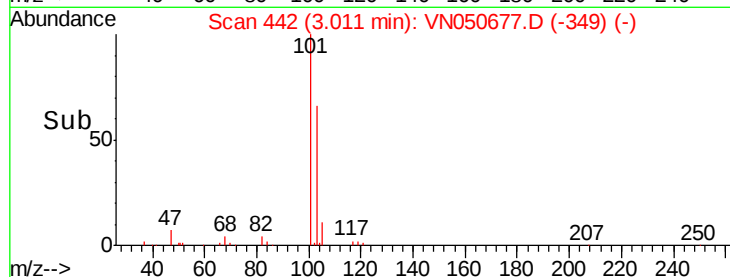
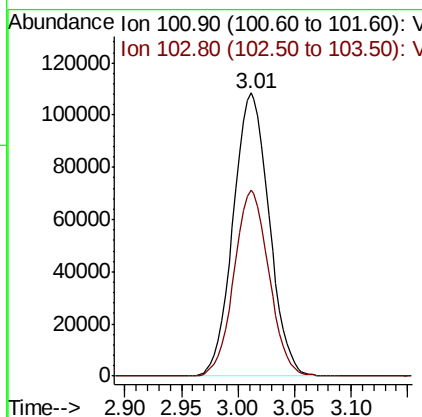
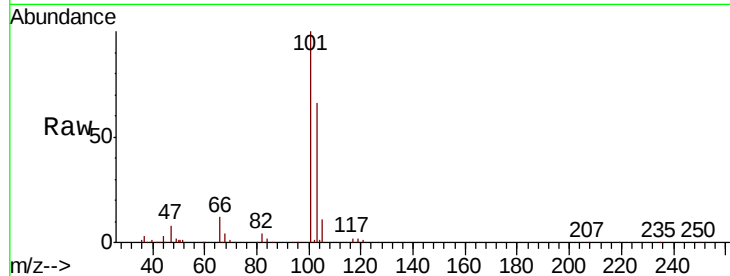
Trichlorofluoromethane
 Concen: 19.73 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

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 VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.4	77.0

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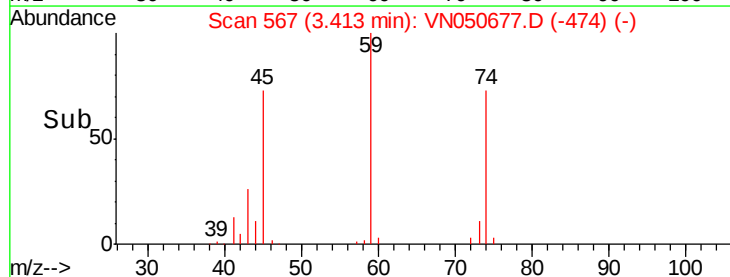
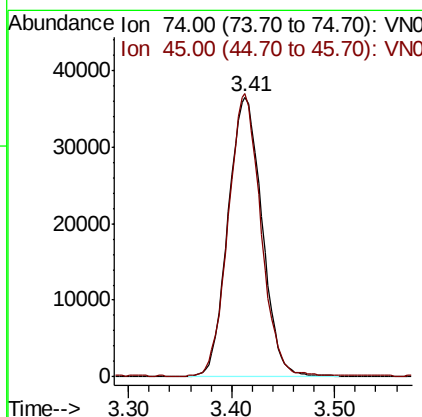
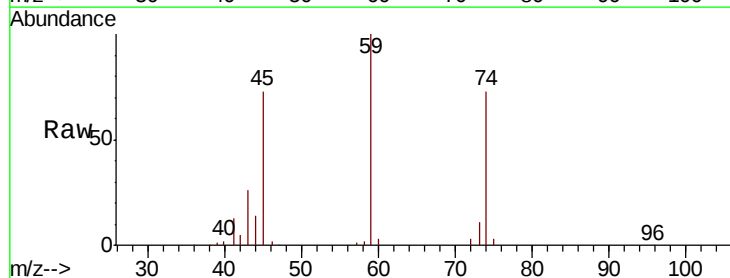
MMDadoda
 8/16/2018 1:19:17 PM

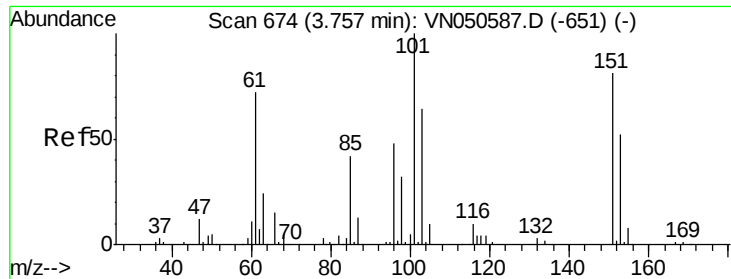


#8

Diethyl Ether
 Concen: 20.70 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.0	144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.65 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

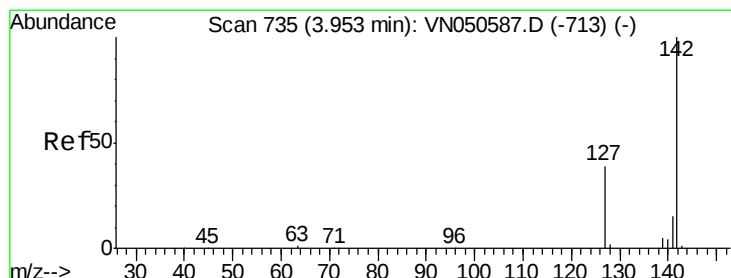
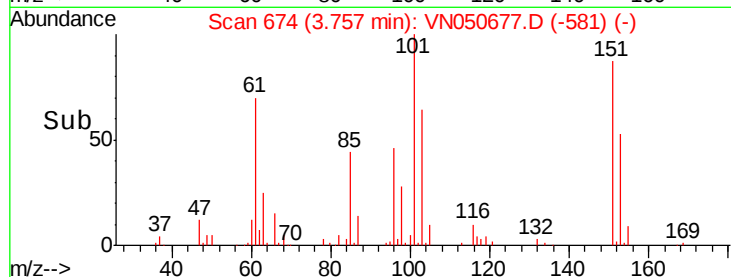
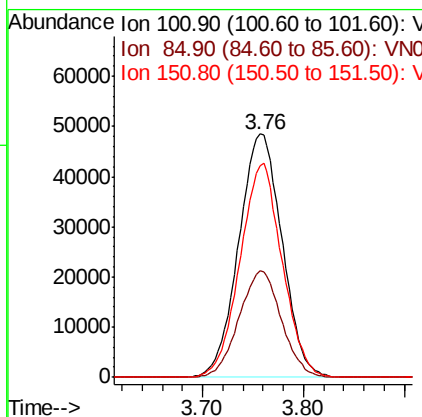
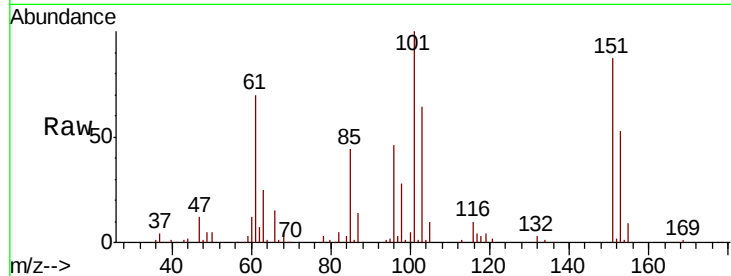
ClientSampleId :

VN0815WBSD03

Tot Ion:	101	Resp:	144556
Ion Ratio	Lower	Upper	
101	100		
85	42.7	33.4	50.0
151	85.4	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 22.06 ug/l

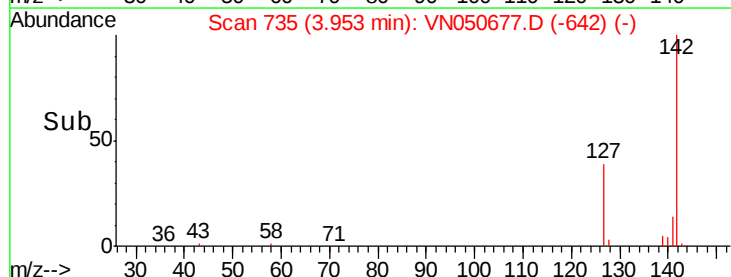
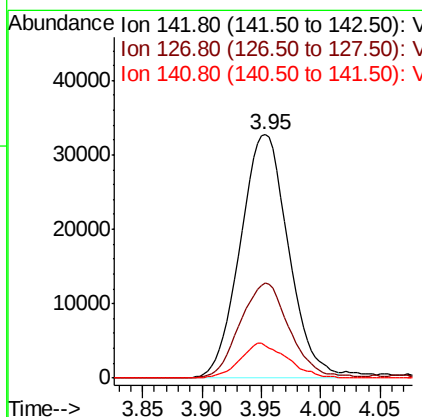
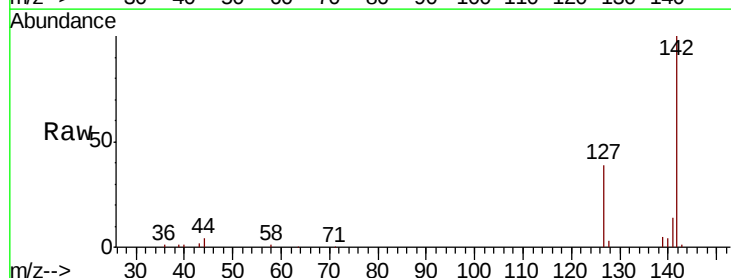
RT: 3.95 min Scan# 735

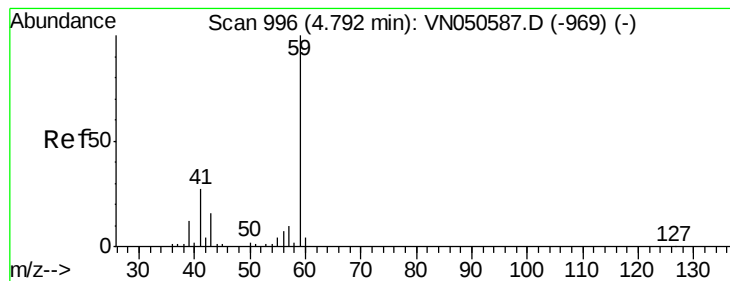
Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	142	Resp:	91773
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.6	49.0
141	14.1	11.5	17.3





#11

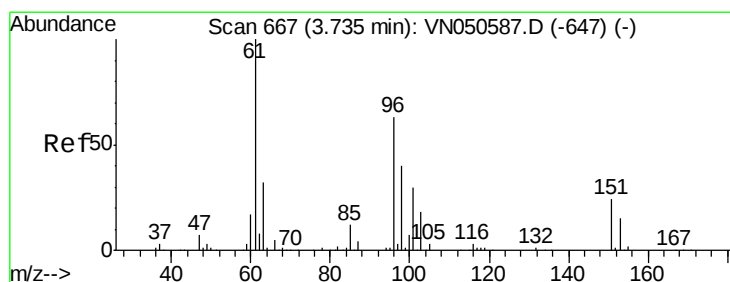
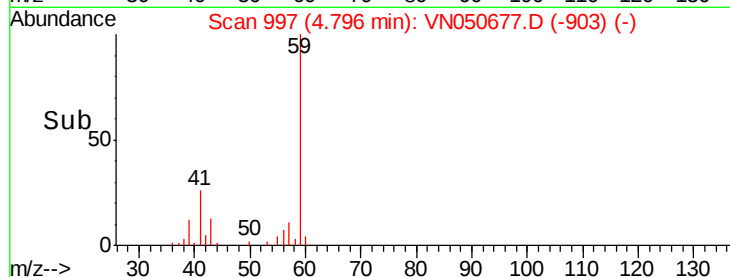
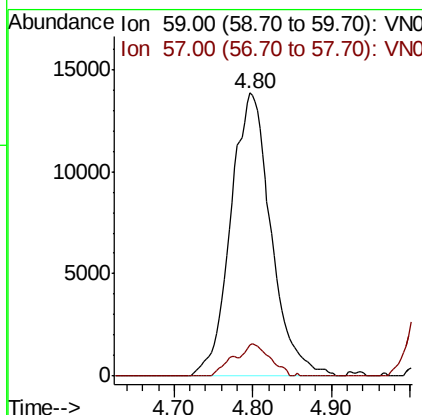
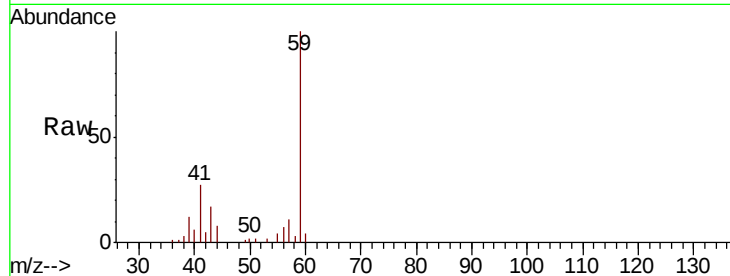
Tert butyl alcohol
 Concen: 116.44 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.3	8.4	12.6#

Manual Integrations
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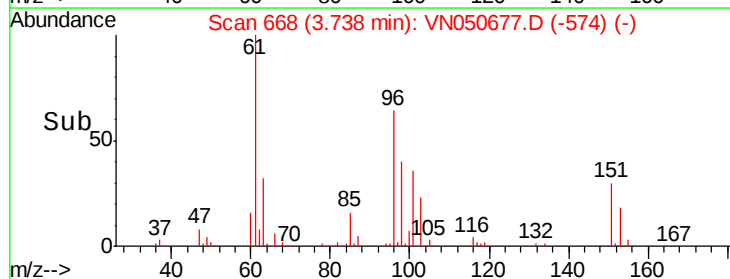
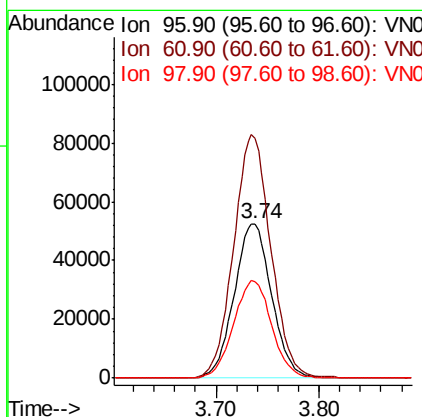
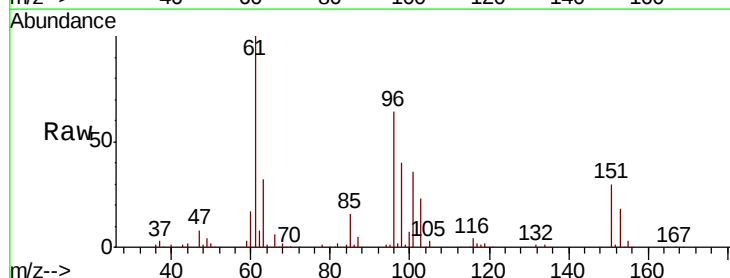
MMDadoda
 8/16/2018 1:19:17 PM

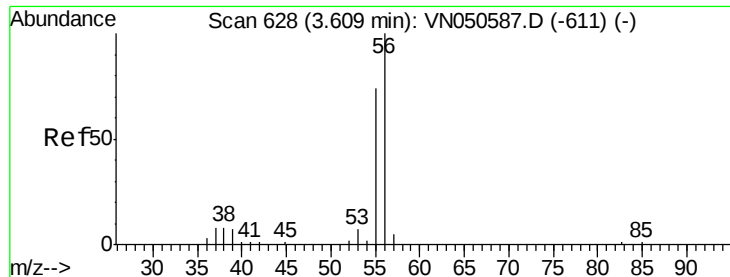


#12

1,1-Dichloroethene
 Concen: 19.74 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	126.9	190.3
98	62.7	51.1	76.7





#13

Acrolein

Concen: 77.19 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 56 Resp: 13659

Ion Ratio Lower Upper

56 100

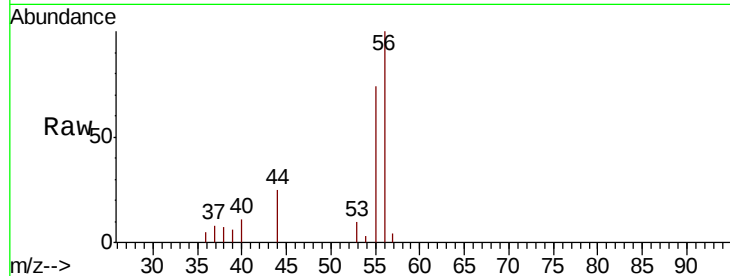
55 71.2 56.3 84.5

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

6000

5000

4000

3000

2000

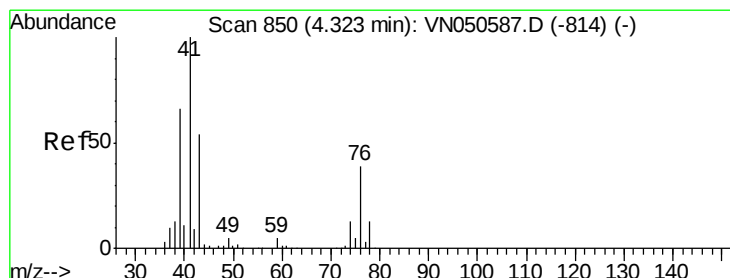
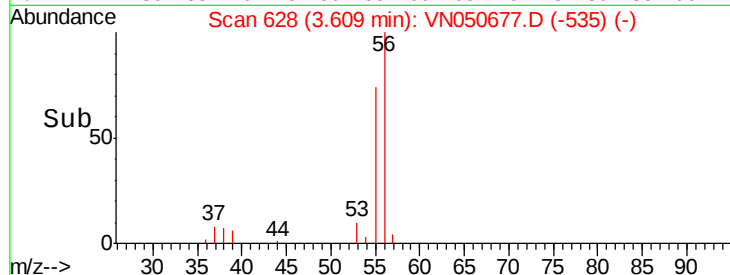
1000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Allyl chloride

Concen: 19.04 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

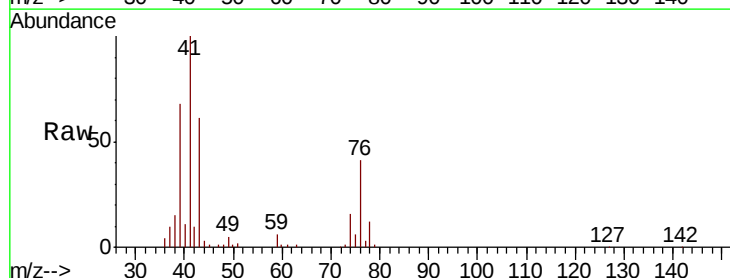
Tgt Ion: 41 Resp: 199014

Ion Ratio Lower Upper

41 100

39 62.5 51.4 77.0

76 36.7 29.4 44.0



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

80000

60000

40000

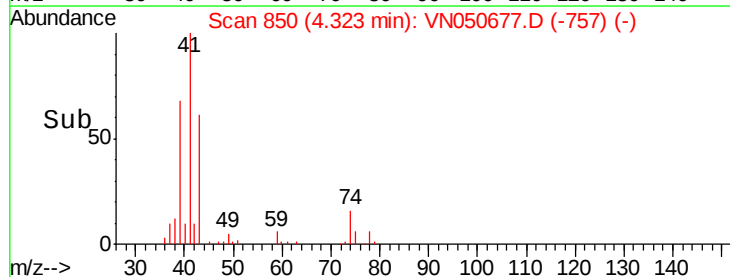
20000

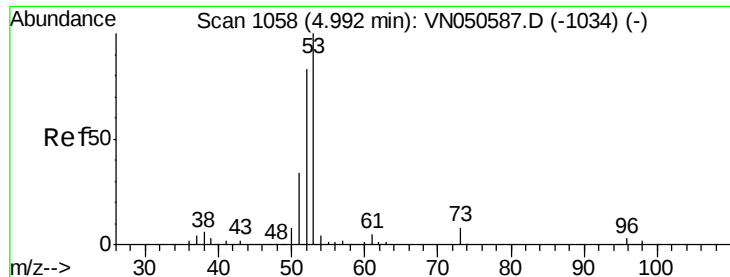
0

Time-->

4.20 4.30 4.40

4.32





#15

Acrylonitrile

Concen: 107.31 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

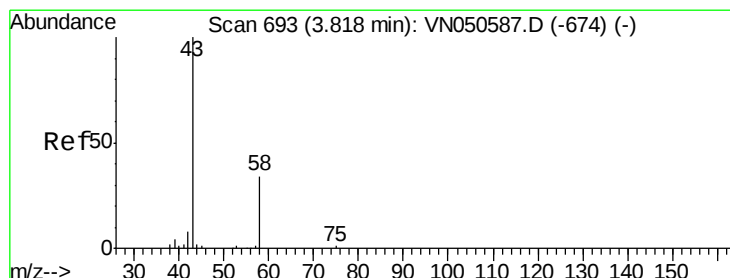
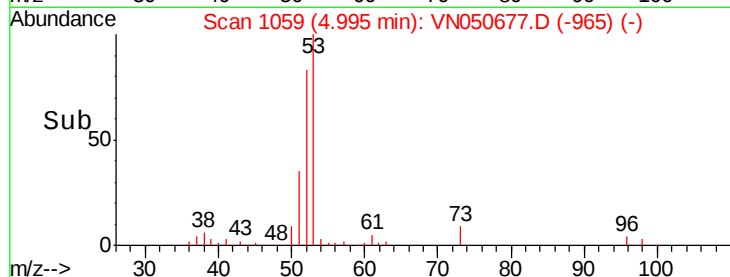
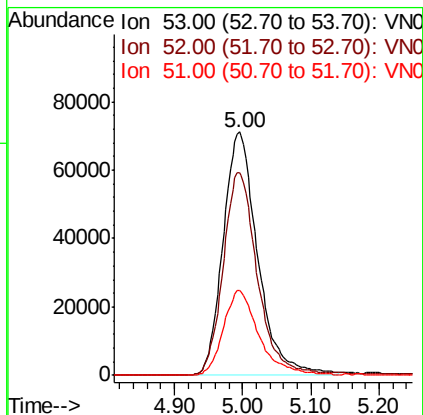
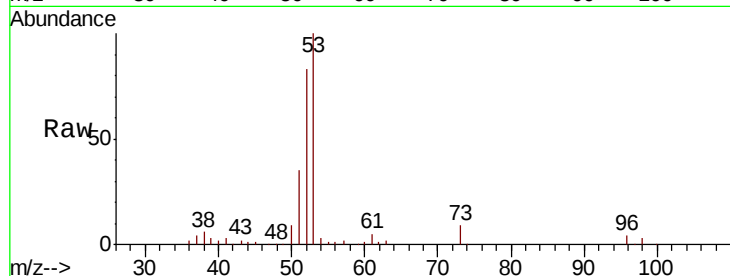
ClientSampleId :

VN0815WBSD03

Tot Ion:	53	Resp:	251153
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.2
51	36.1	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 113.21 ug/l

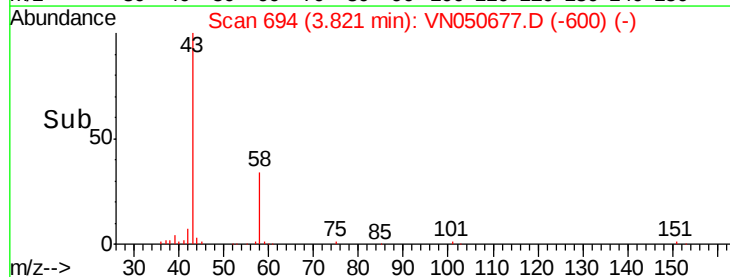
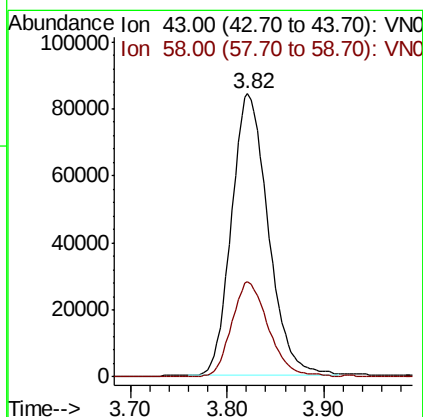
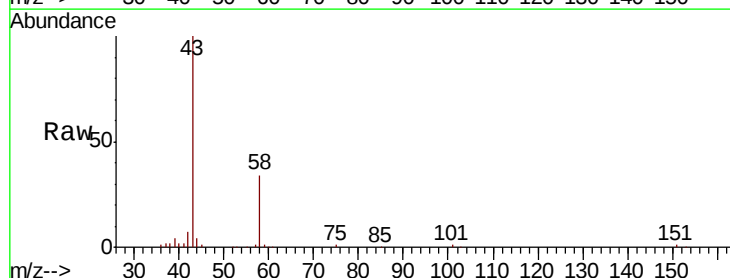
RT: 3.82 min Scan# 694

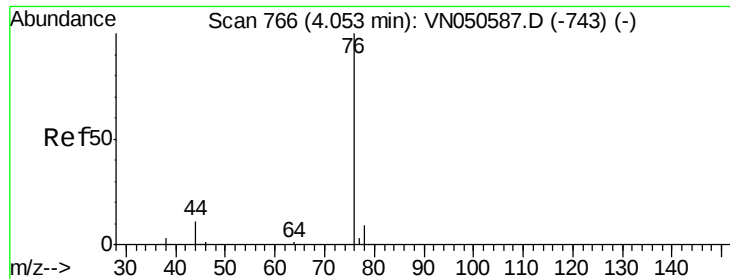
Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	43	Resp:	222162
Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7





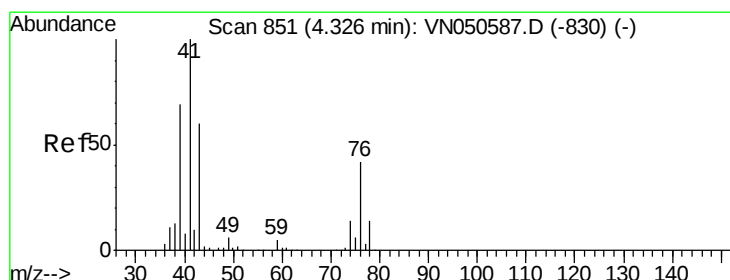
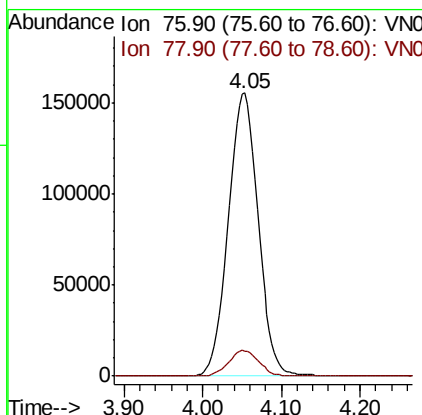
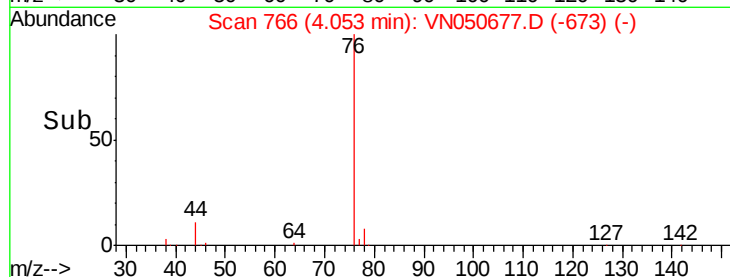
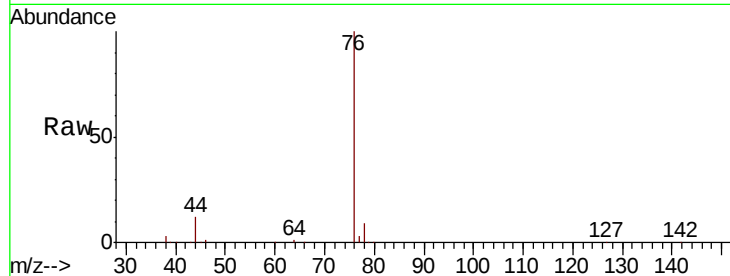
#17
Carbon Disulfide
Concen: 19.40 ug/l
RT: 4.05 min Scan# 766
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

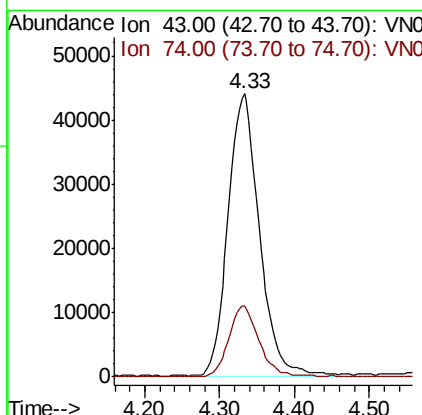
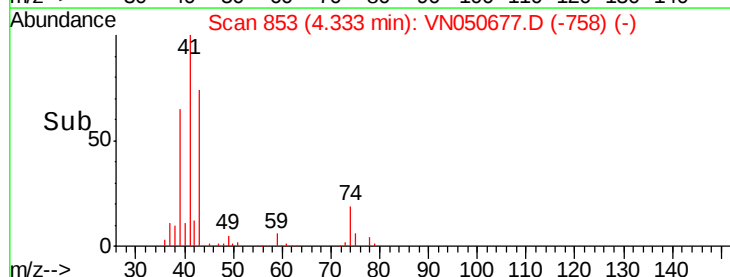
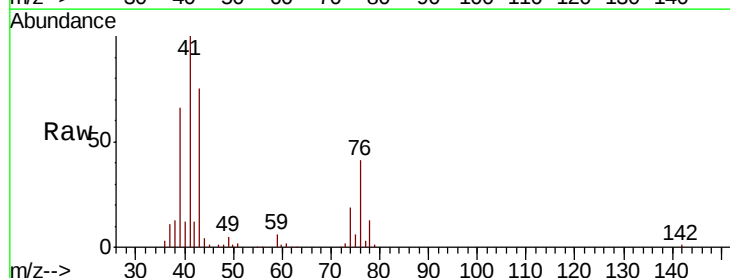
Manual Integrations
APPROVED

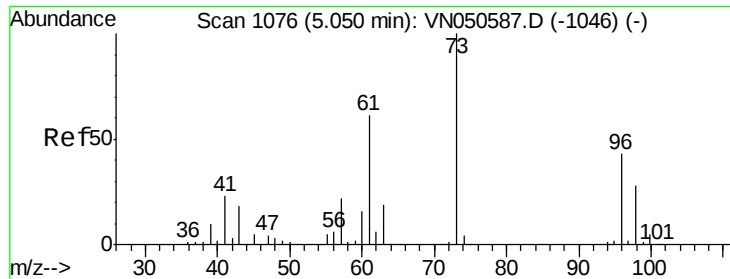
MMDadoda
8/16/2018 1:19:17 PM



#18
Methyl Acetate
Concen: 22.75 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.7	29.5





#19

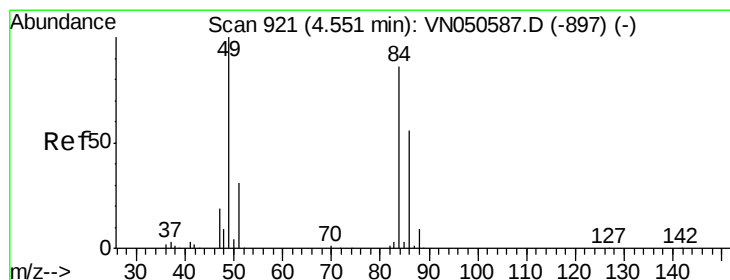
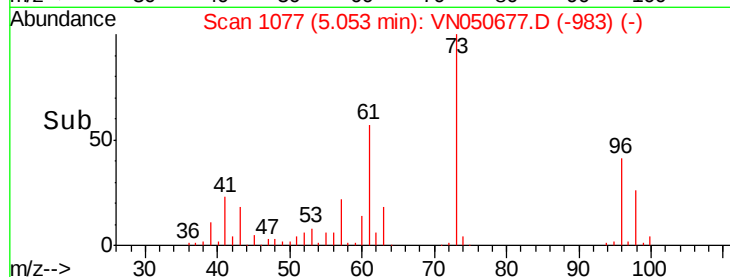
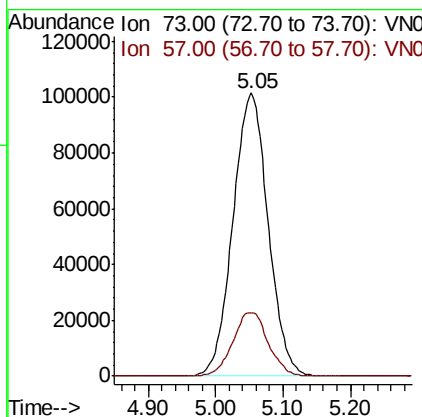
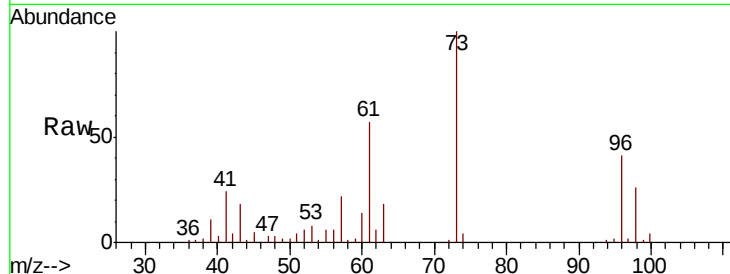
Methyl tert-butyl Ether
 Concen: 21.53 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.9	26.9

Manual Integrations
 APPROVED

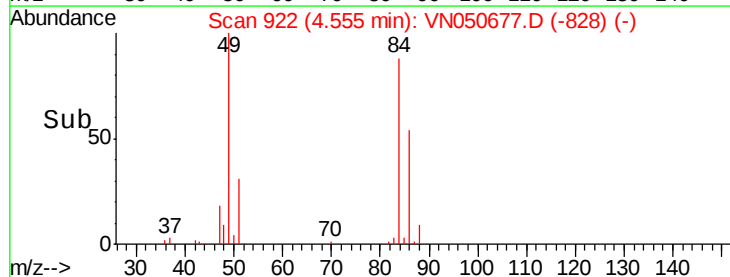
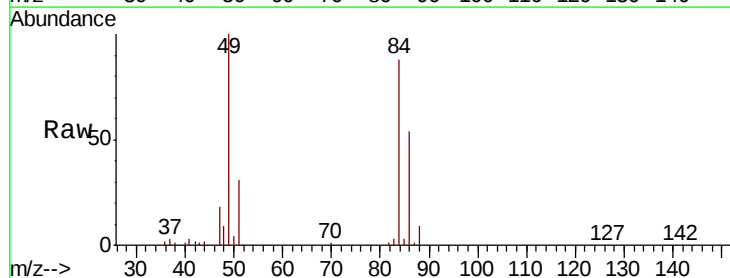
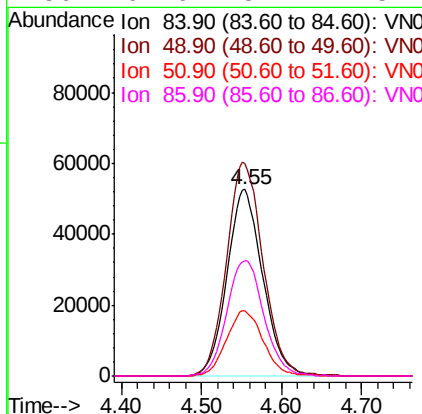
MMDadoda
 8/16/2018 1:19:17 PM

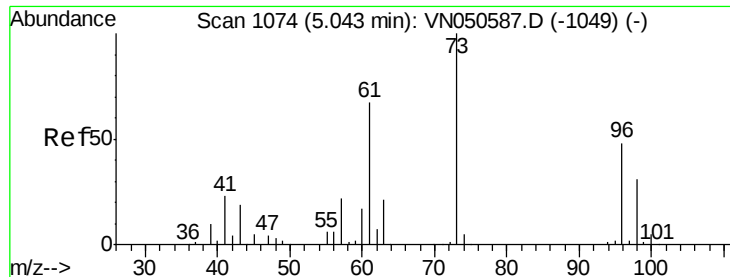


#20

Methylene Chloride
 Concen: 20.82 ug/l
 RT: 4.55 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.0	92.6	138.8
51	34.9	28.6	43.0
86	61.6	52.2	78.2





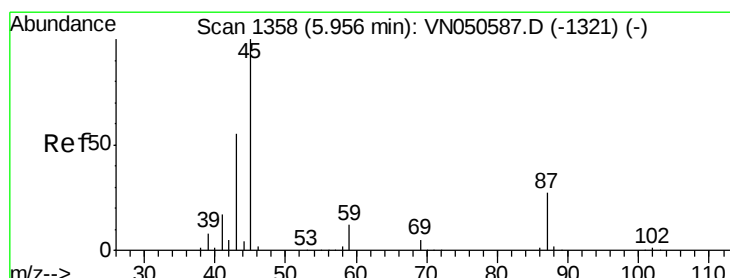
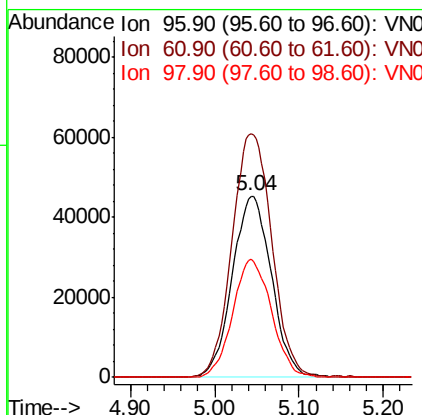
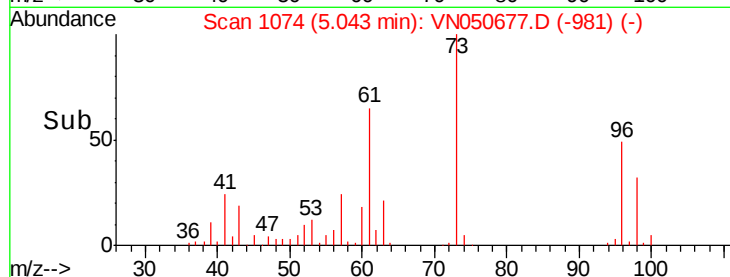
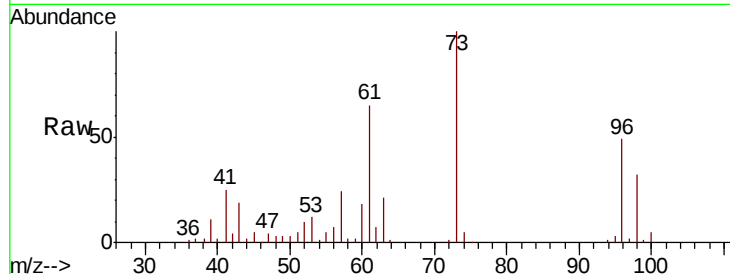
#21
trans-1,2-Dichloroethene
Concen: 20.11 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	111.2	166.8
98	64.9	51.6	77.4

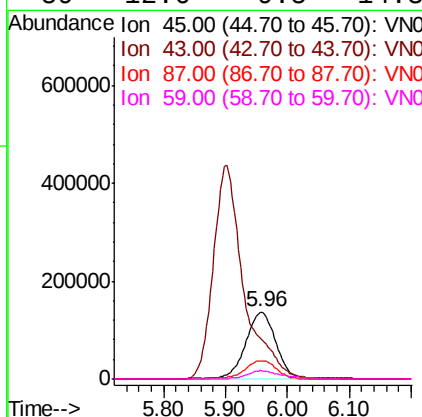
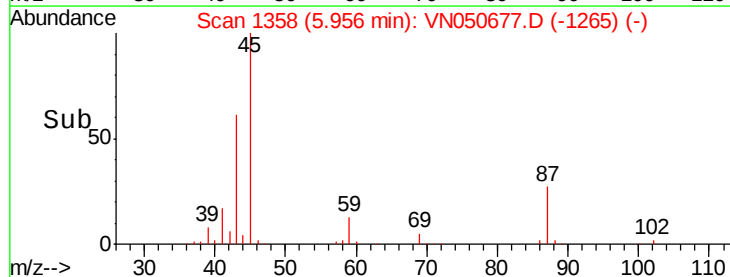
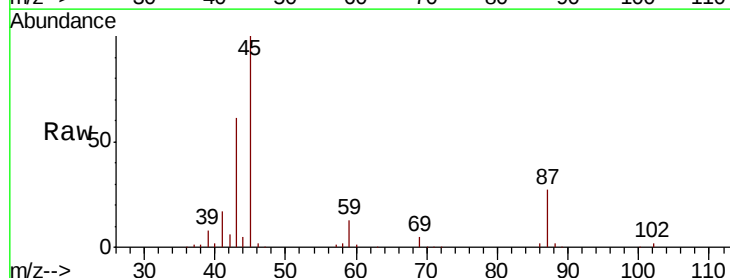
Manual Integrations
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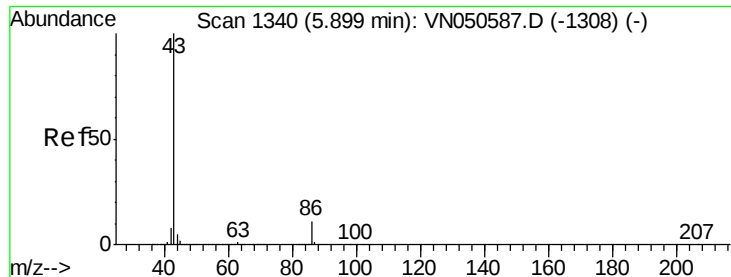
MMDadoda
8/16/2018 1:19:17 PM



#22
Diisopropyl ether
Concen: 21.59 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	44.5	66.7
87	27.3	22.2	33.2
59	12.6	9.5	14.3





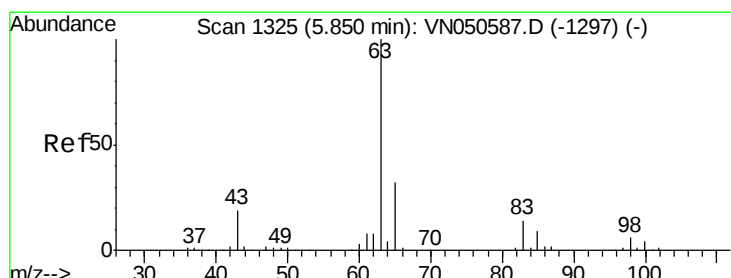
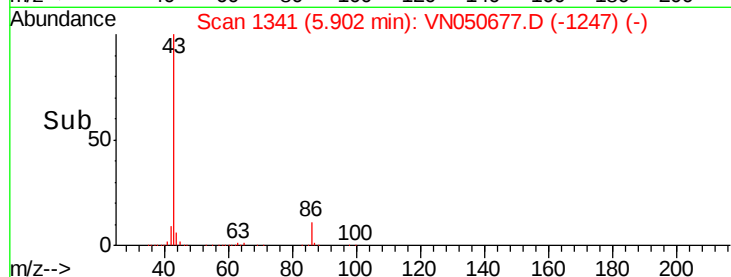
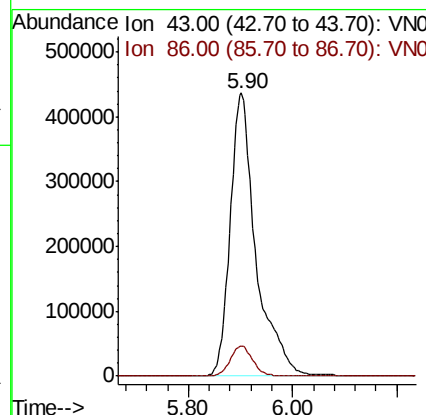
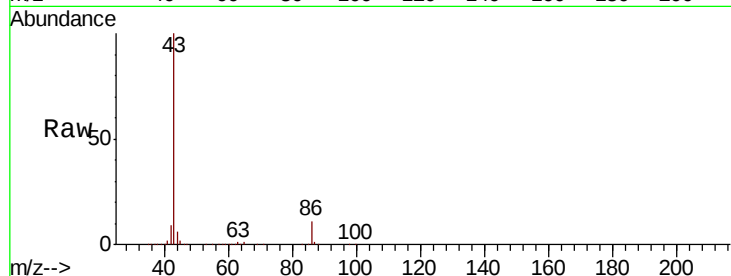
#23
 Vinyl Acetate
 Concen: 107.17 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBSD03

Tot Ion: 43 Resp: 1502006
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

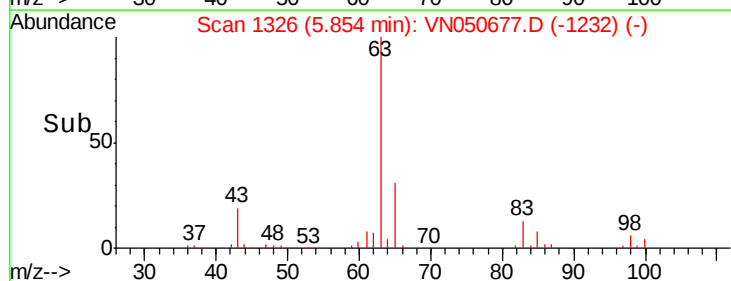
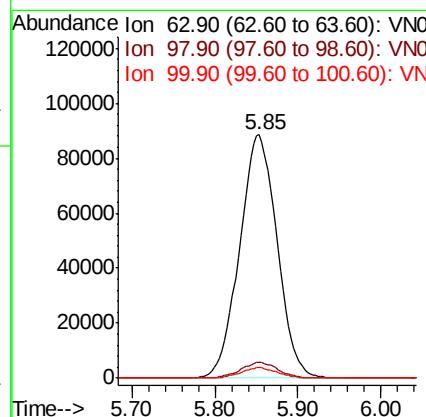
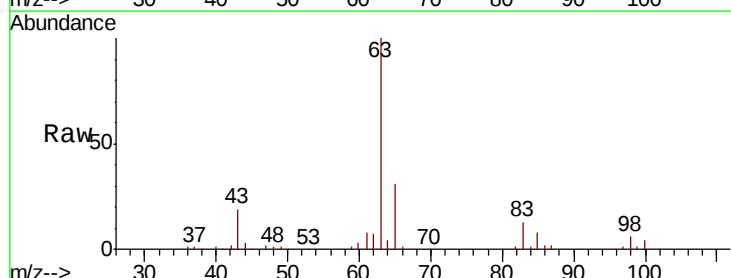
Manual Integrations
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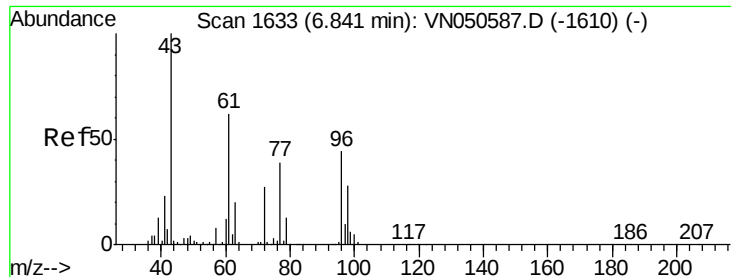
MMDadoda
 8/16/2018 1:19:17 PM



#24
 1,1-Dichloroethane
 Concen: 20.10 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion: 63 Resp: 278627
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.2 9.6
 100 4.5 2.1 6.5





#25

2-Butanone

Concen: 108.84 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleID :

VN0815WBSD03

Tot Ion: 43 Resp: 348293

Ion Ratio Lower Upper

43 100

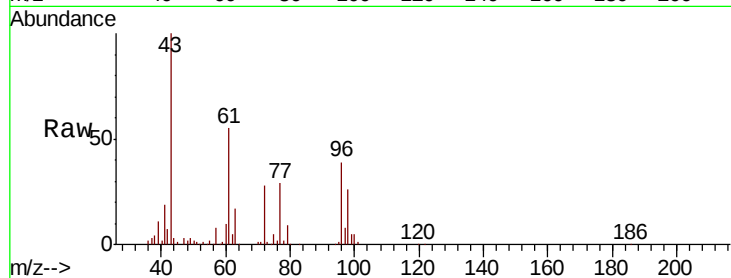
72 27.7 21.8 32.6

Manual Integrations

APPROVED

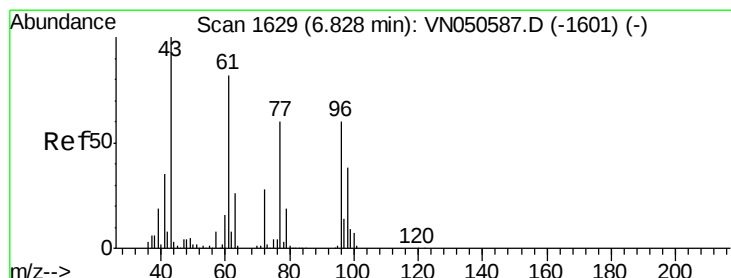
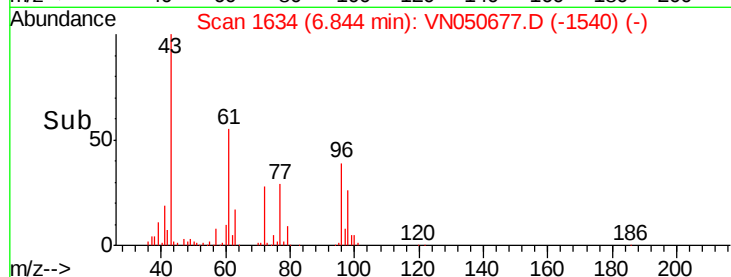
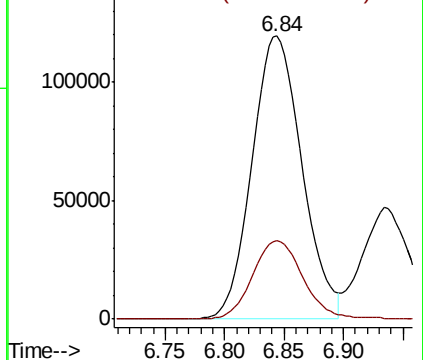
MMDadoda

8/16/2018 1:19:17 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.90 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050677.D

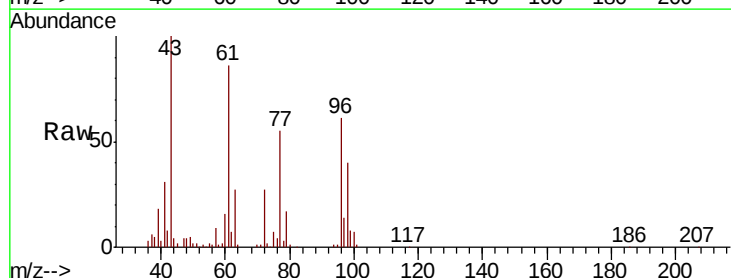
Acq: 16 Aug 2018 1:32

Tgt Ion: 77 Resp: 147567

Ion Ratio Lower Upper

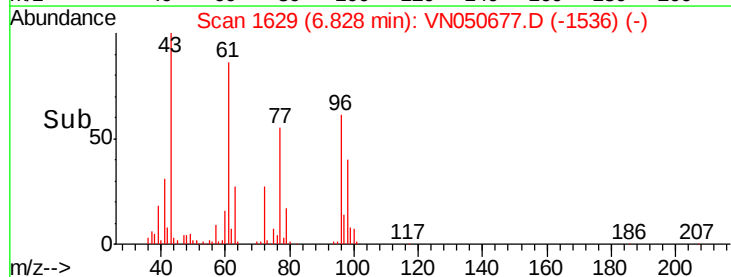
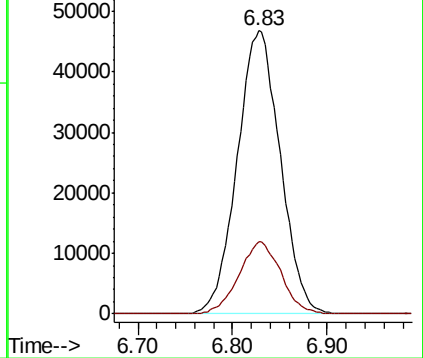
77 100

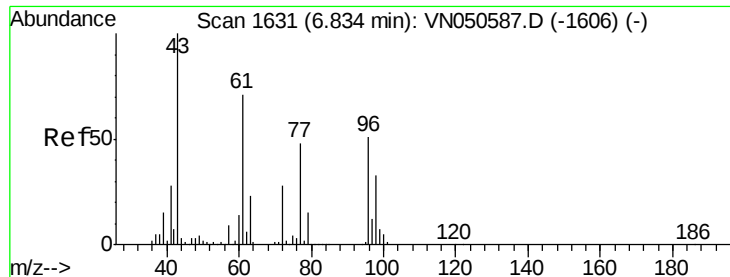
97 24.8 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





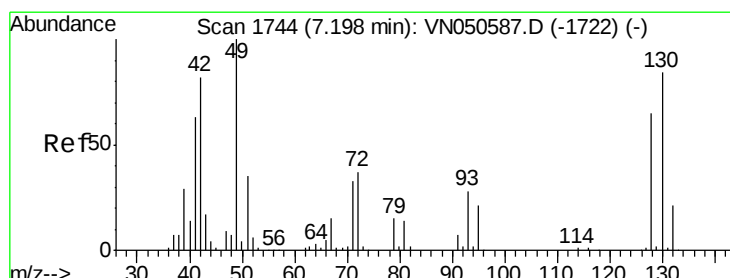
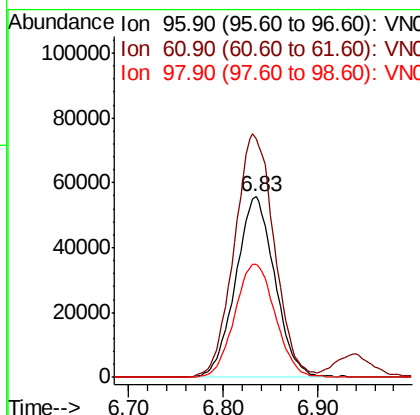
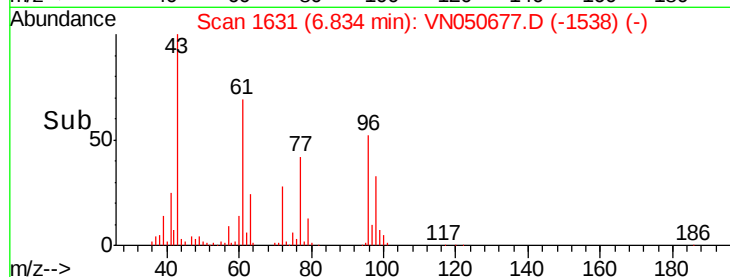
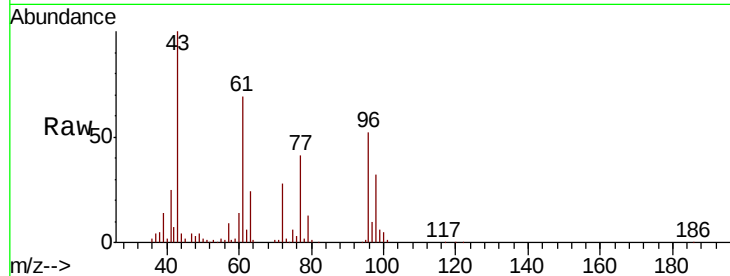
#27
 cis-1,2-Dichloroethene
 Concen: 19.74 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160127		
61	137.7	0.0	278.2	
98	65.1	0.0	128.8	

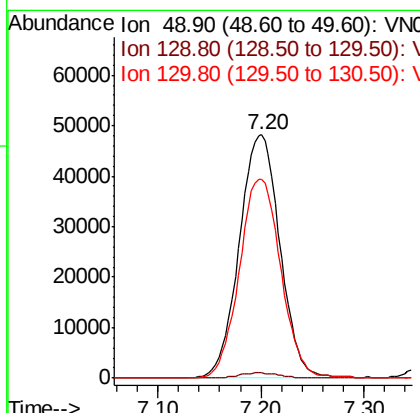
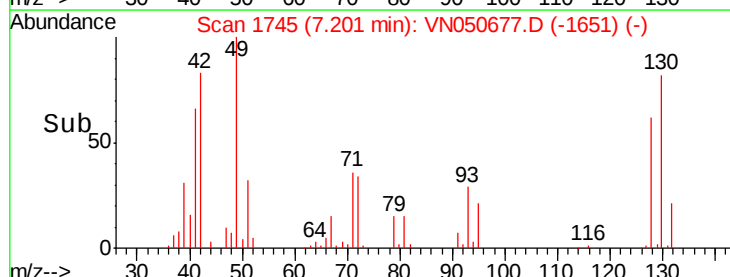
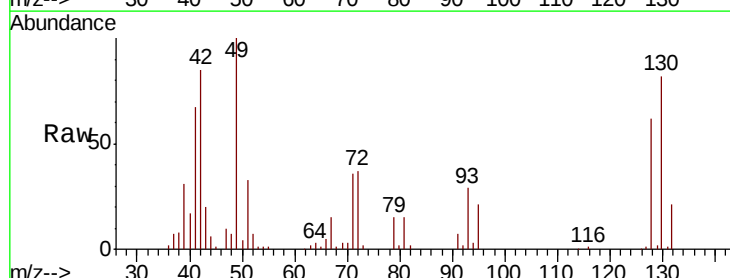
Manual Integrations
 APPROVED

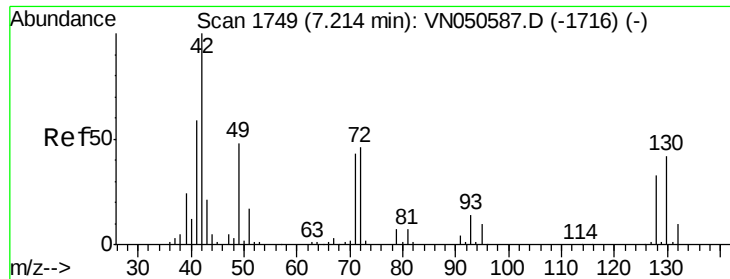
MMDadoda
 8/16/2018 1:19:17 PM



#28
 Bromochloromethane
 Concen: 20.91 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131915		
129	2.1	0.0	4.2	
130	83.4	66.8	100.2	





#29

Tetrahydrofuran

Concen: 115.19 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 42 Resp: 192467
Ion Ratio Lower Upper

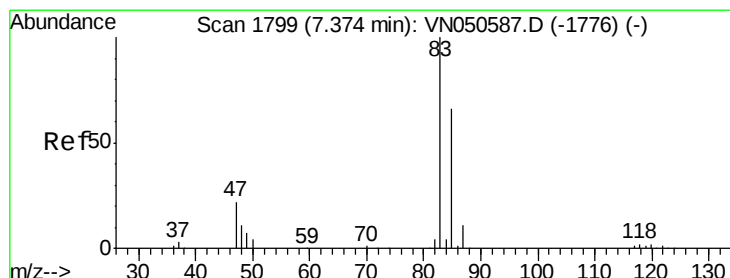
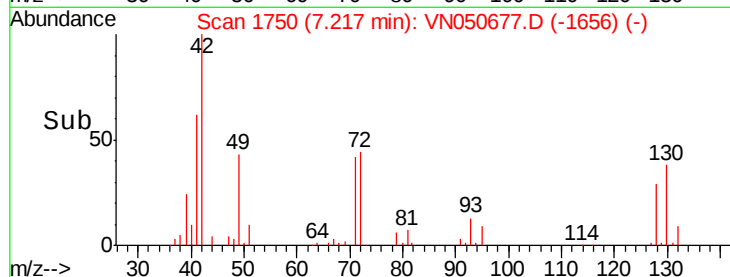
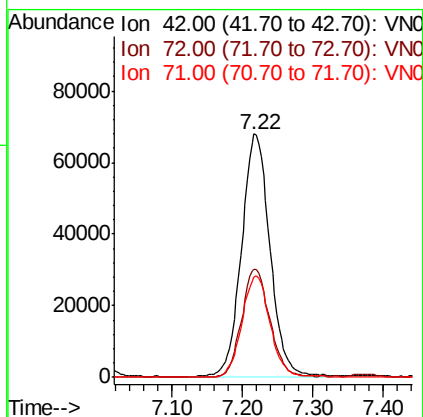
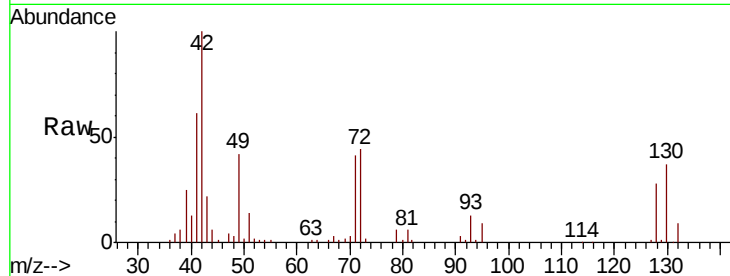
42 100

72 43.8 35.8 53.6

71 40.9 33.4 50.0

Manual Integrations
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#30

Chloroform

Concen: 19.97 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

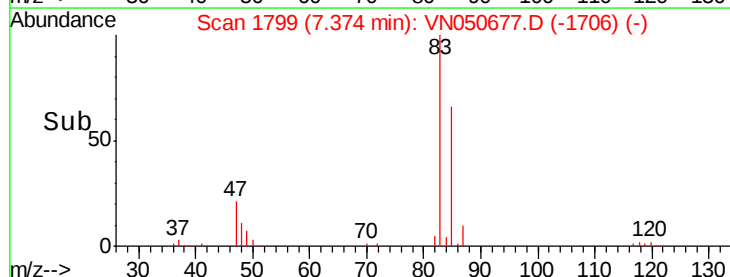
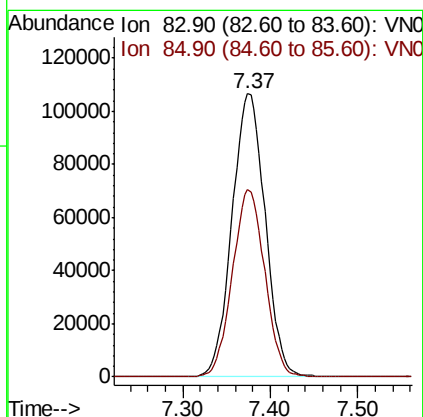
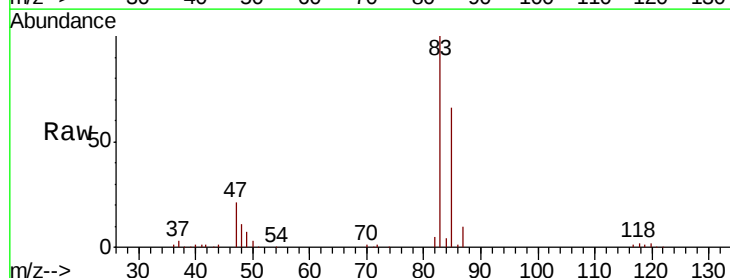
Lab File: VN050677.D

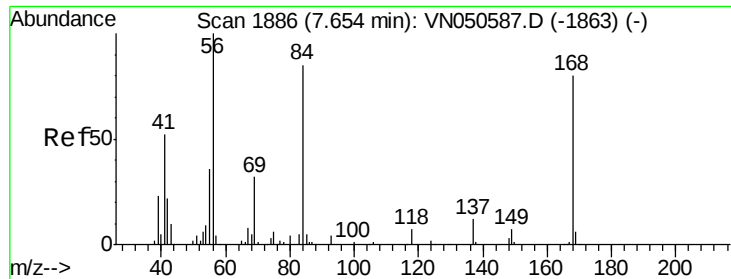
Acq: 16 Aug 2018 1:32

Tgt Ion: 83 Resp: 280628
Ion Ratio Lower Upper

83 100

85 66.1 52.5 78.7





#31

Cyclohexane

Concen: 19.65 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

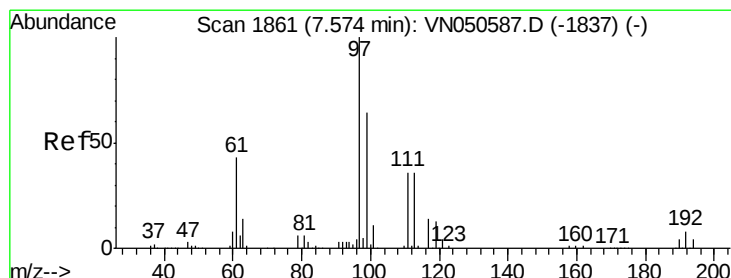
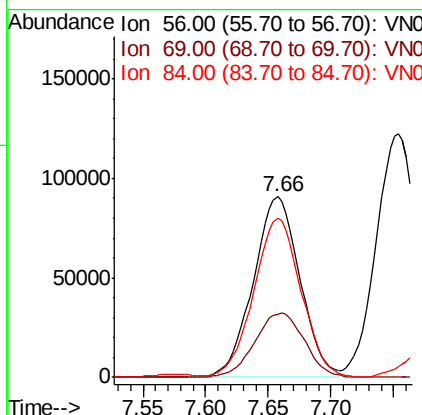
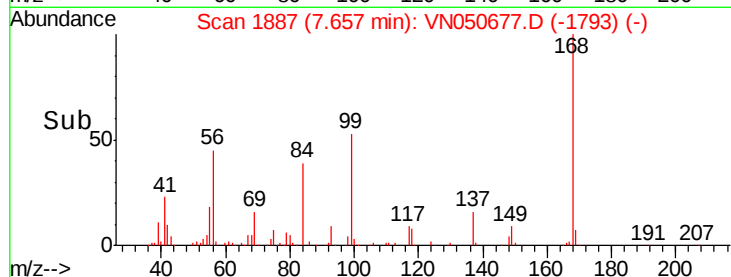
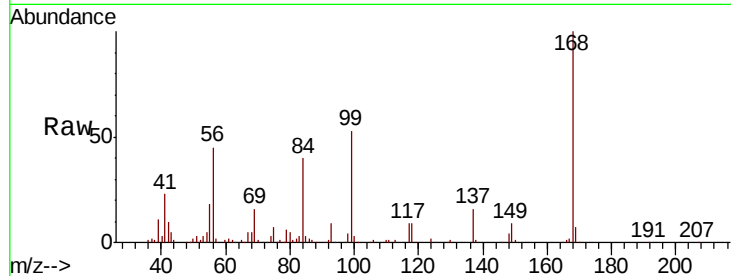
ClientSampleId :

VN0815WBSD03

Tot Ion:	56	Resp:	234967
Ion Ratio	Lower	Upper	
56	100		
69	35.2	25.8	38.6
84	86.7	67.8	101.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.18 ug/l

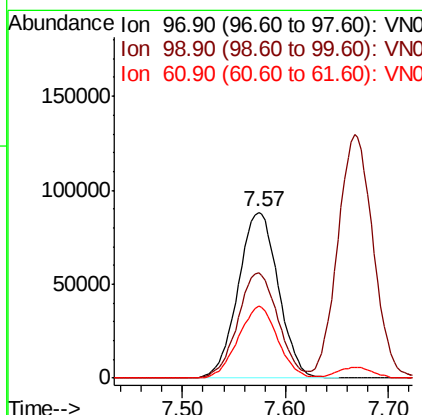
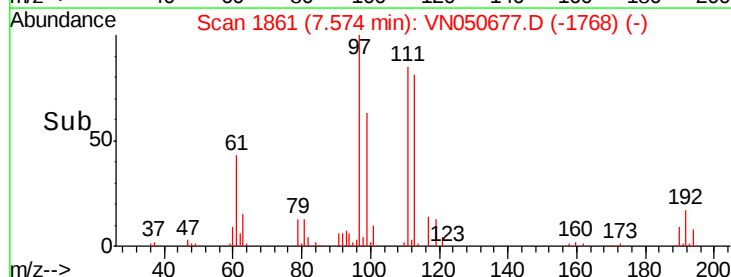
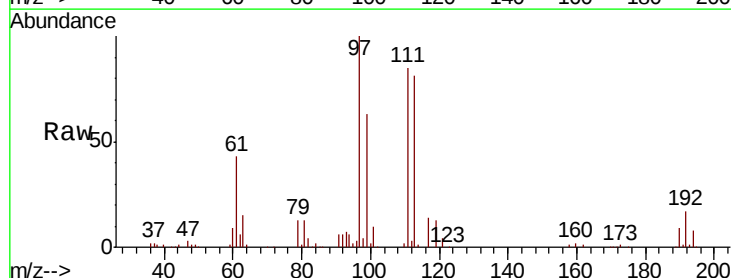
RT: 7.57 min Scan# 1861

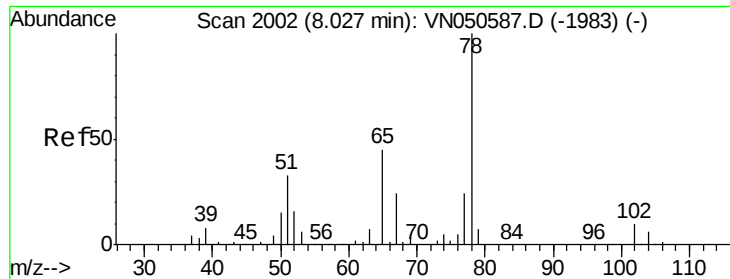
Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	97	Resp:	238676
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.1	76.7
61	42.5	34.8	52.2





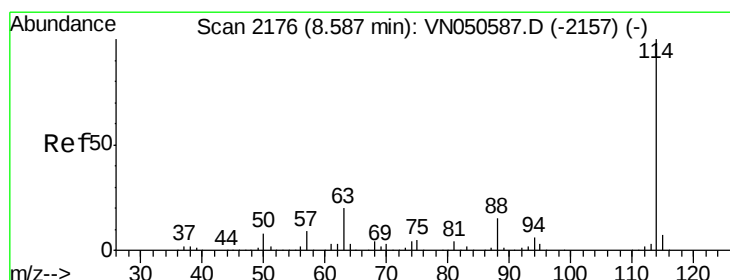
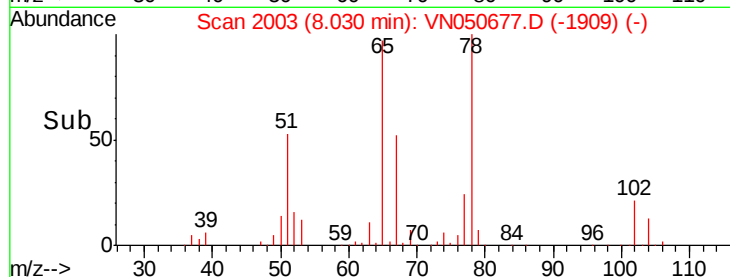
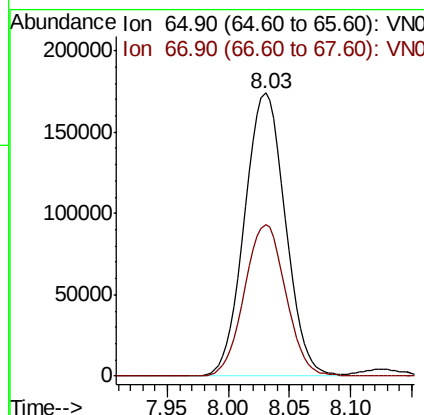
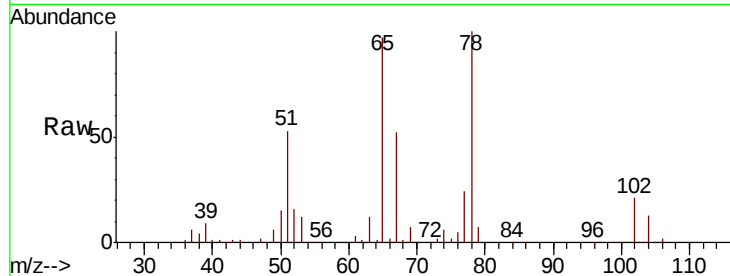
#33
 1,2-Dichloroethane-d4
 Concen: 51.77 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	109.8	

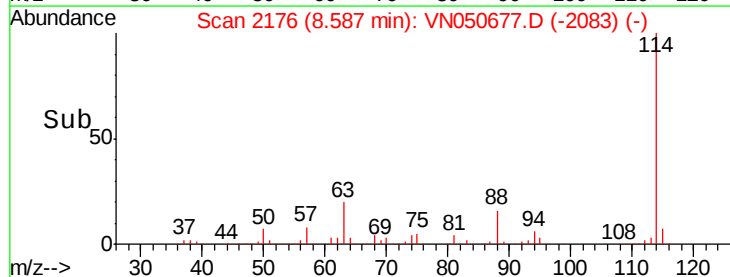
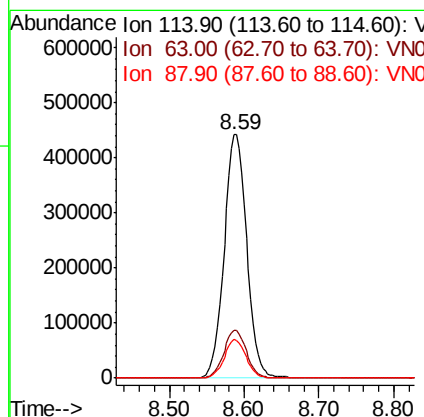
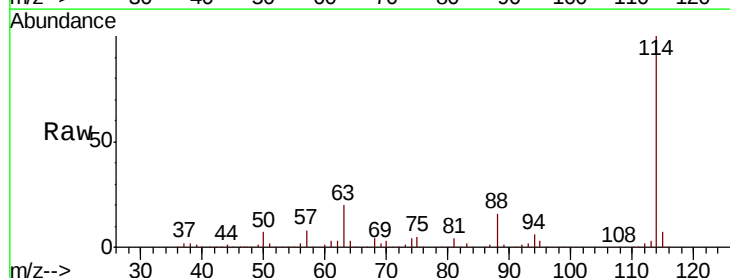
Manual Integrations
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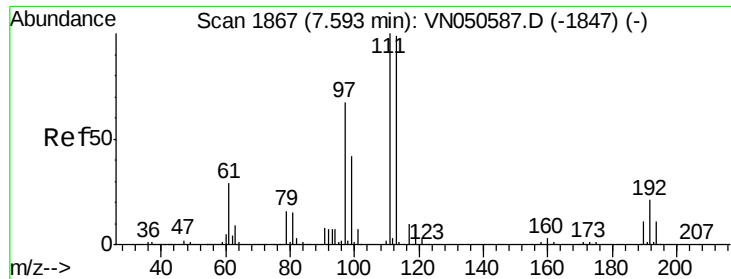
MMDadoda
 8/16/2018 1:19:17 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.0	
88	15.7	0.0	30.8	





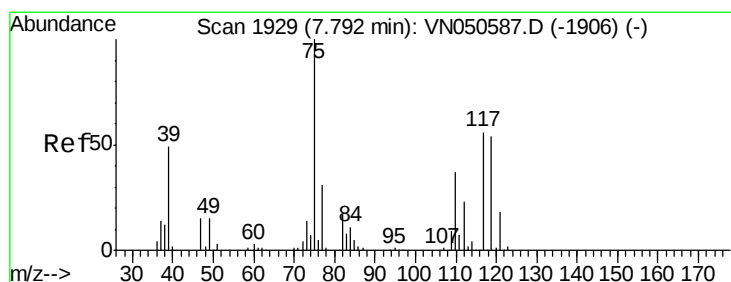
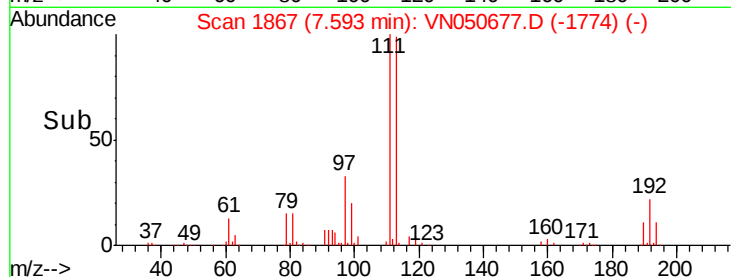
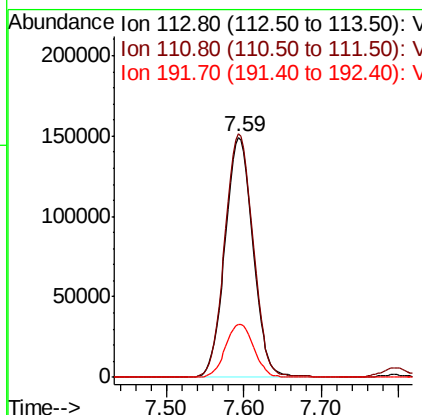
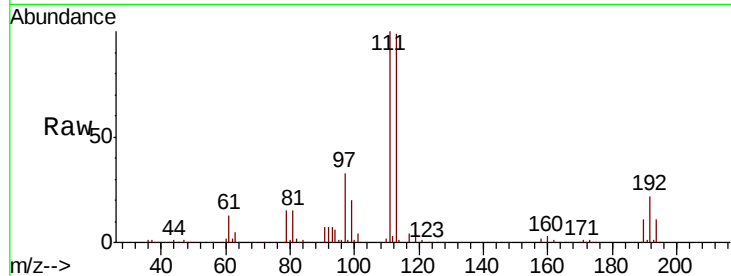
#35
Dibromofluoromethane
Concen: 50.82 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	373511		
111	102.8	81.0	121.6	
192	22.5	17.6	26.4	

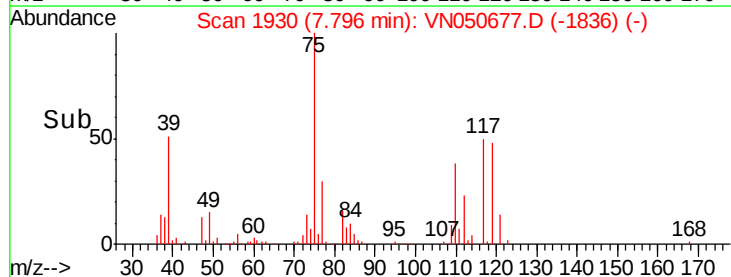
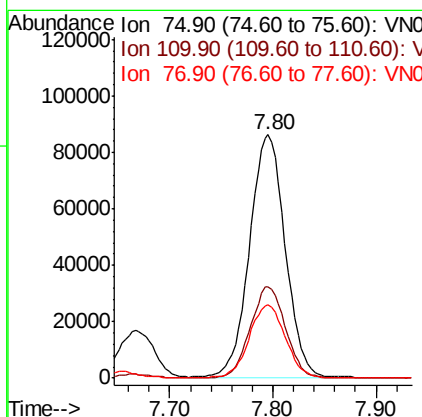
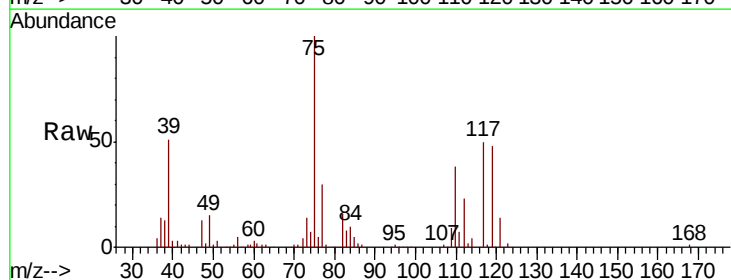
Manual Integrations
APPROVED

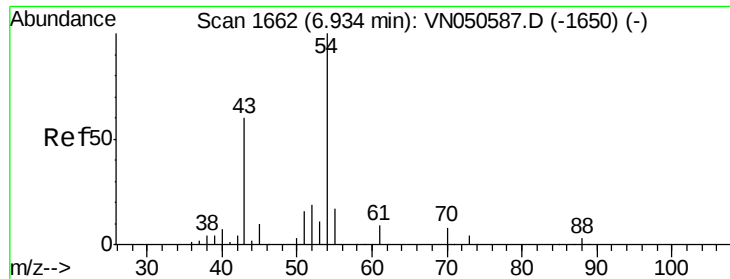
MMDadoda
8/16/2018 1:19:17 PM



#36
1,1-Dichloropropene
Concen: 20.07 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205620		
110	37.5	18.3	54.9	
77	30.8	25.0	37.4	





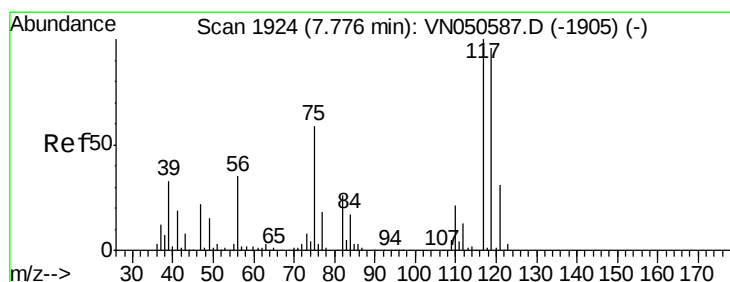
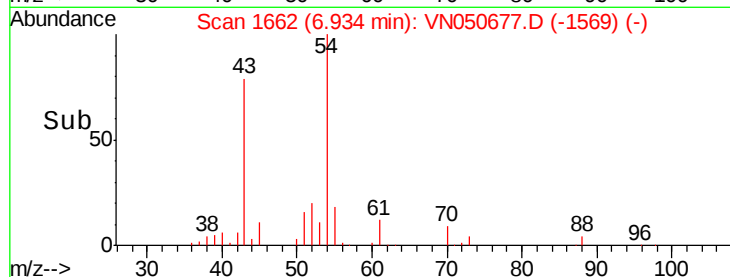
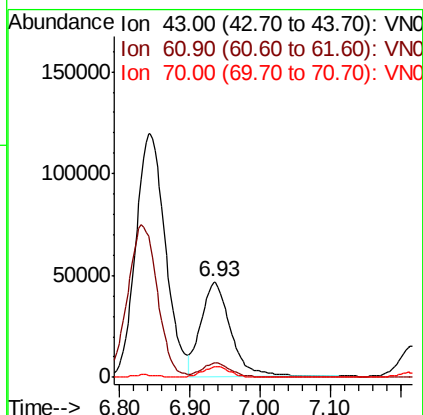
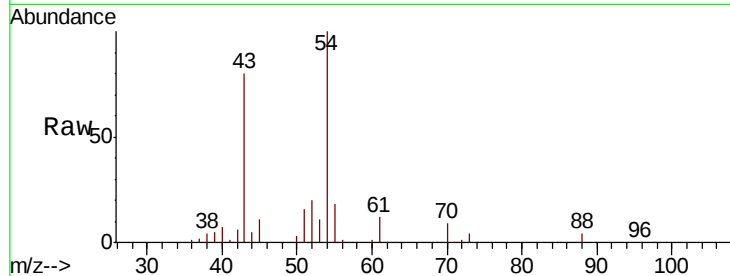
#37
Ethyl Acetate
Concen: 23.72 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	12.0	18.0
70	10.5	8.5	12.7

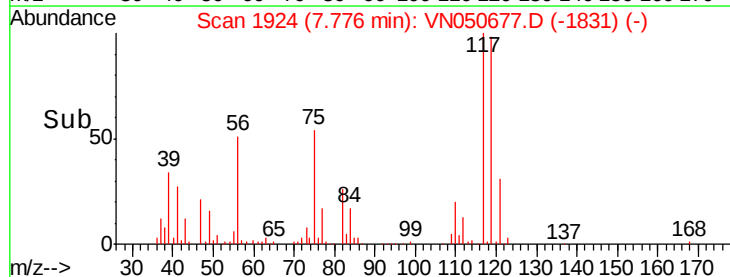
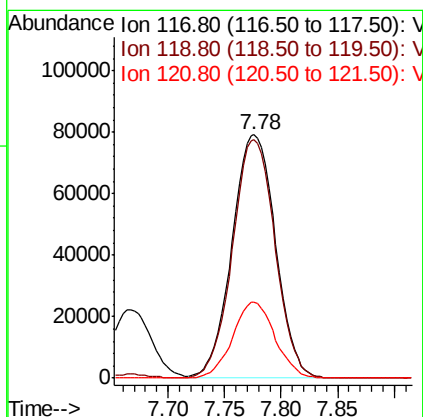
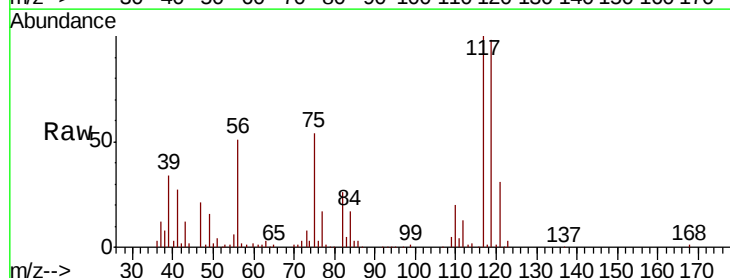
Manual Integrations
APPROVED

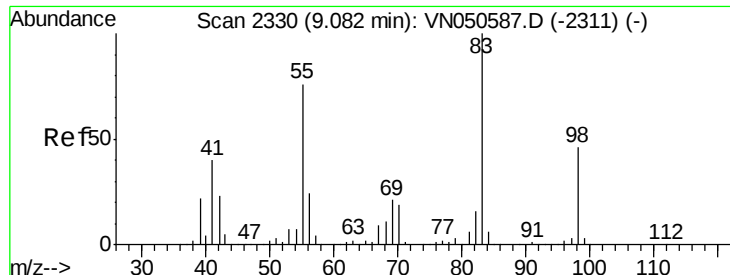
MMDadoda
8/16/2018 1:19:17 PM



#38
Carbon Tetrachloride
Concen: 19.88 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.6	115.0
121	31.4	25.0	37.6





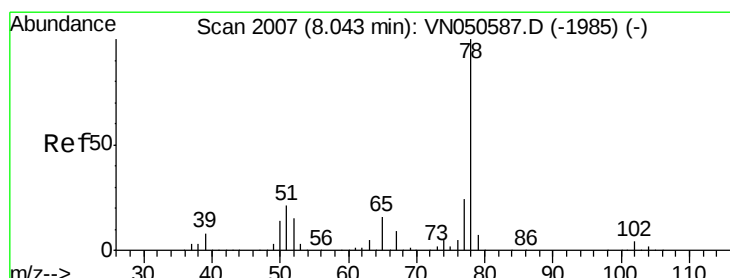
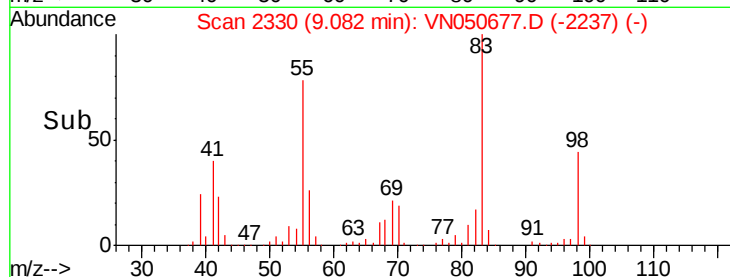
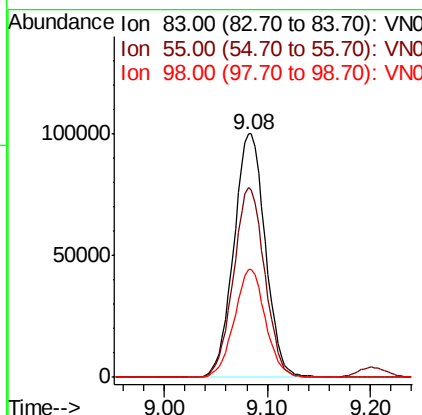
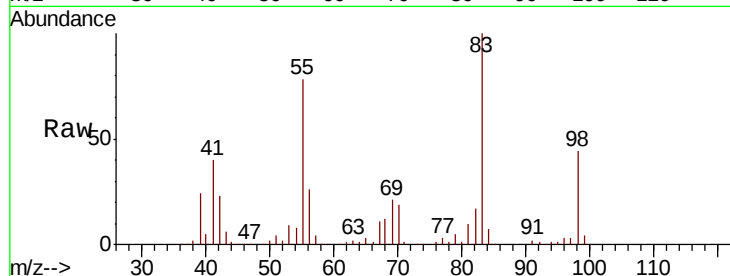
#39
Methvlcvclohexane
Concen: 20.01 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampled :
VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100	212273		
55	78.1	60.6	91.0	
98	44.2	37.0	55.4	

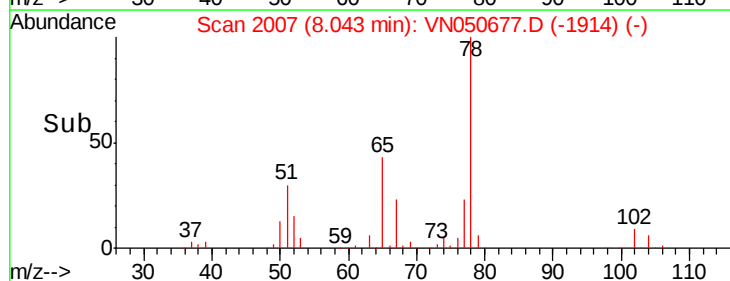
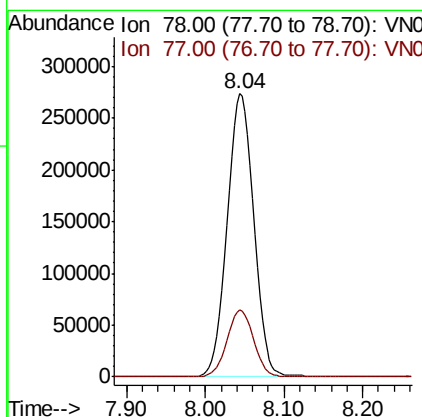
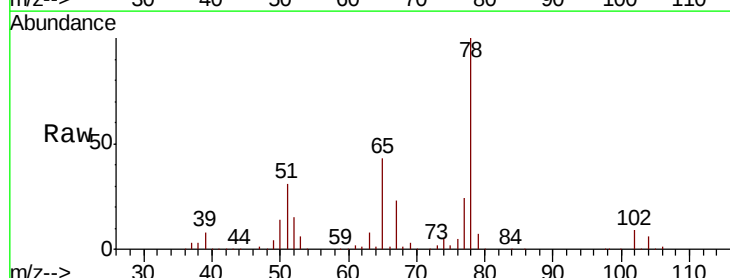
Manual Integrations
APPROVED

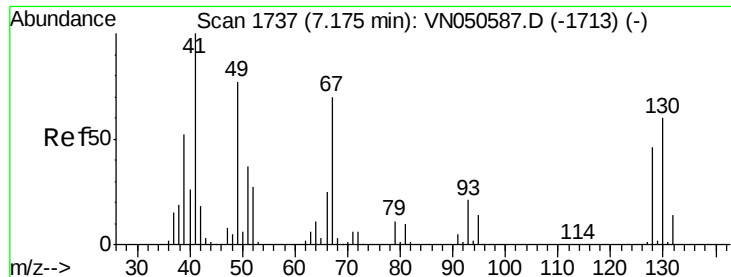
MMDadoda
8/16/2018 1:19:17 PM



#40
Benzene
Concen: 20.53 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	640066		
77	23.6	19.0	28.6	





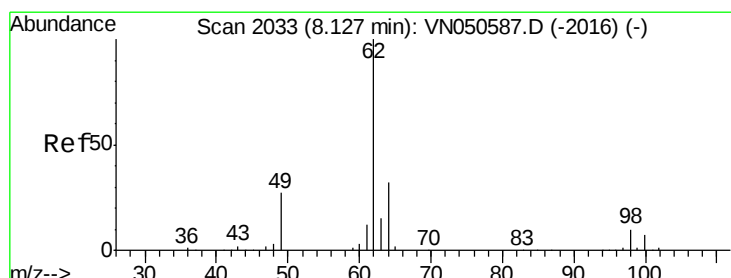
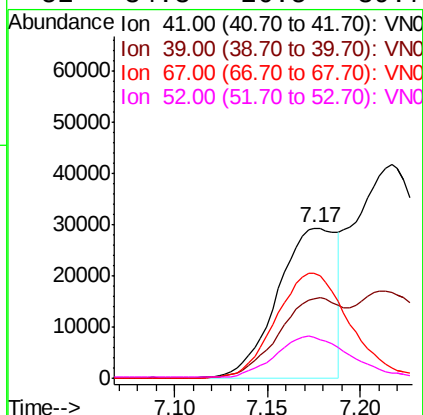
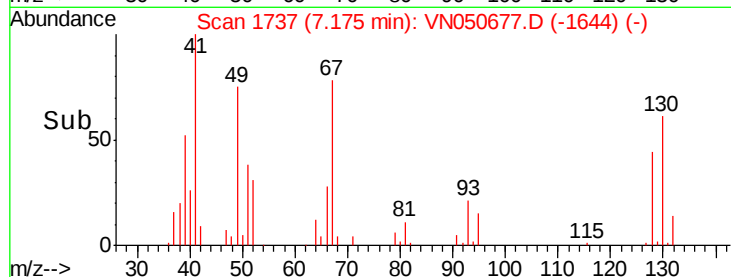
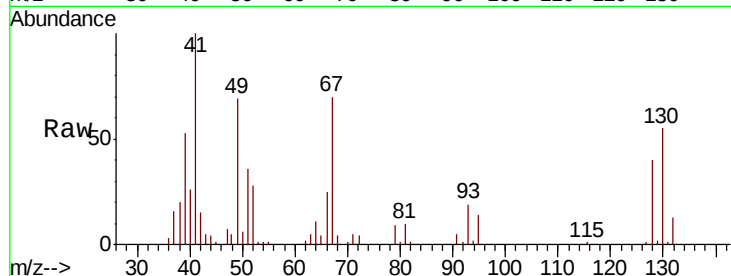
#41
Methacrylonitrile
Concen: 20.83 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion:	41	Resp:	65233
Ion	Ratio	Lower	Upper
41	100		
39	56.6	44.6	66.8
67	87.1	66.7	100.1
52	34.3	26.5	39.7

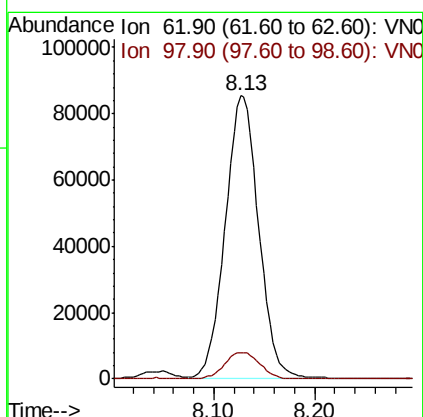
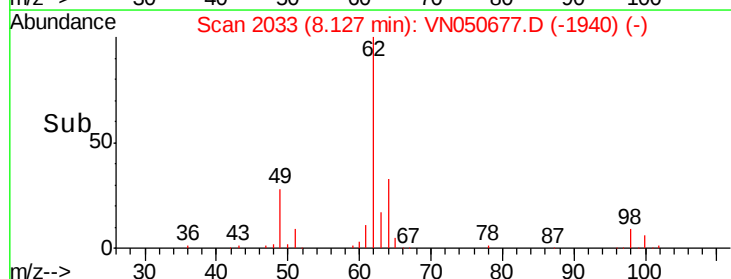
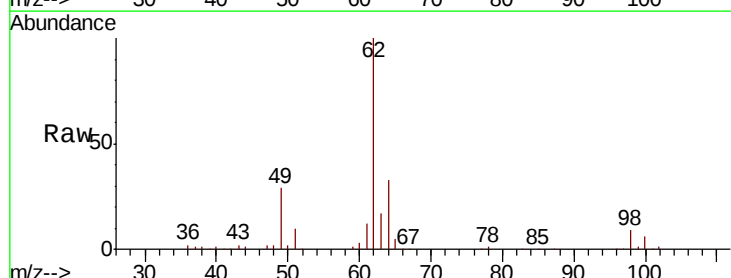
Manual Integrations
APPROVED

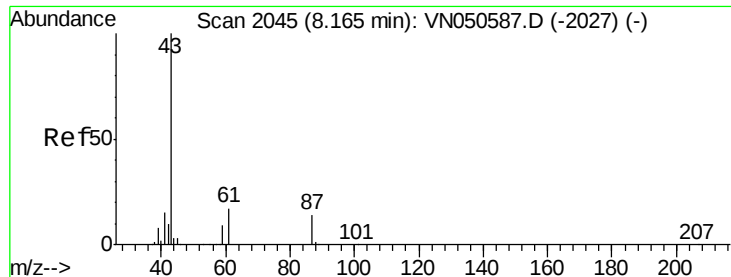
MMDadoda
8/16/2018 1:19:17 PM



#42
1,2-Dichloroethane
Concen: 20.45 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion:	62	Resp:	195381
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 20.94 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

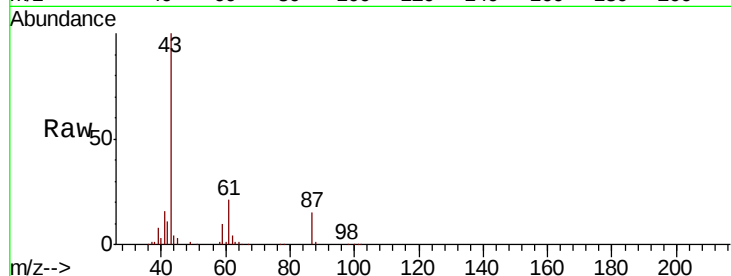
ClientSampleId :

VN0815WBSD03

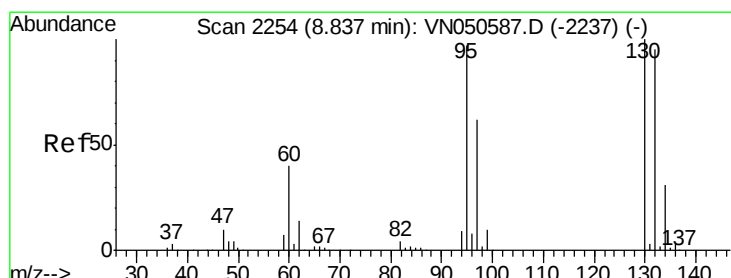
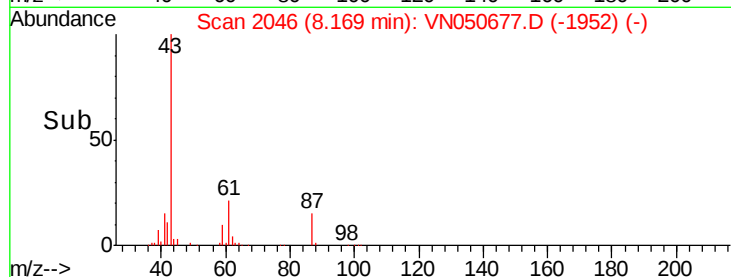
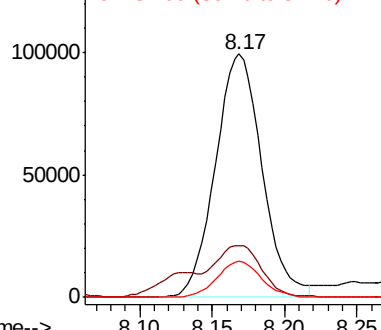
Tot Ion:	43	Resp:	221023
Ion Ratio	Lower	Upper	
43	100		
61	21.0	16.2	24.2
87	14.3	10.9	16.3

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Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)



#44

Trichloroethene

Concen: 19.70 ug/l

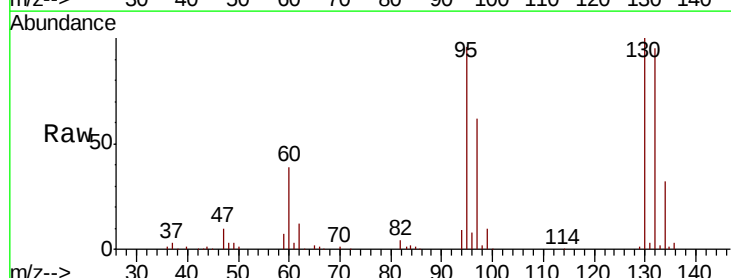
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

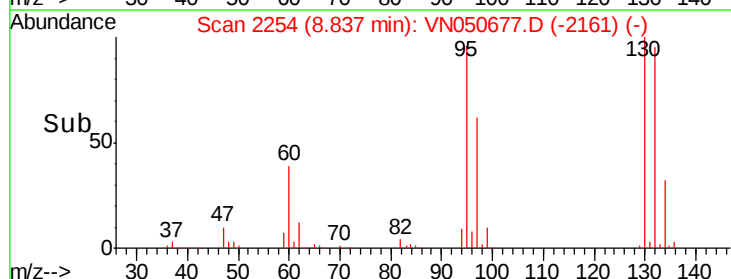
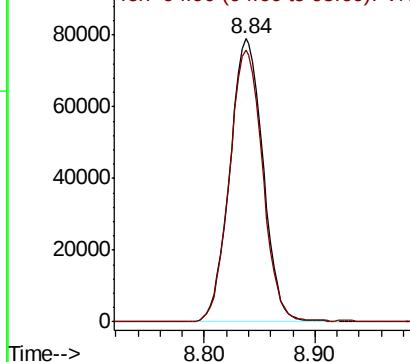
Lab File: VN050677.D

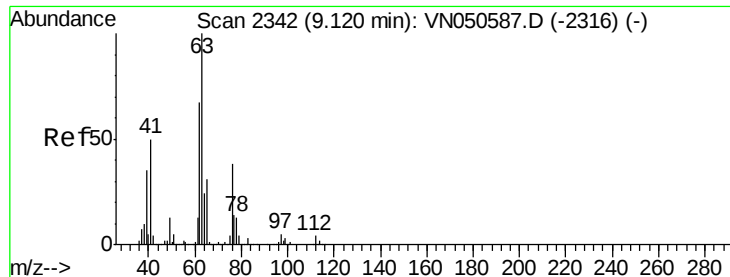
Acq: 16 Aug 2018 1:32

Tgt Ion:	130	Resp:	164552
Ion Ratio	Lower	Upper	
130	100		
95	96.2	0.0	193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)





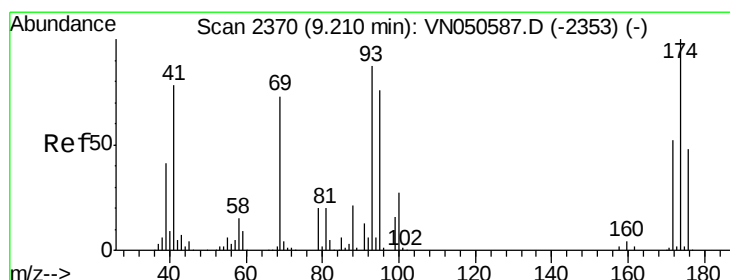
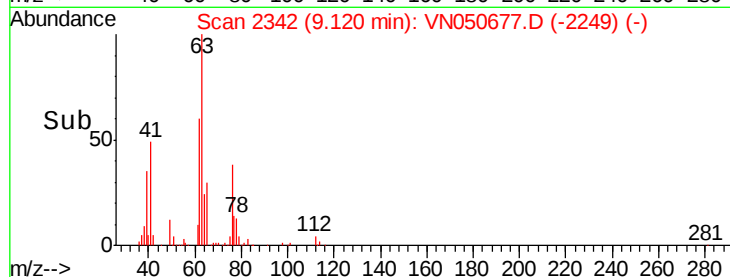
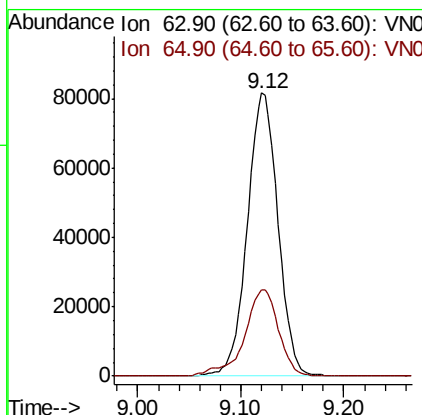
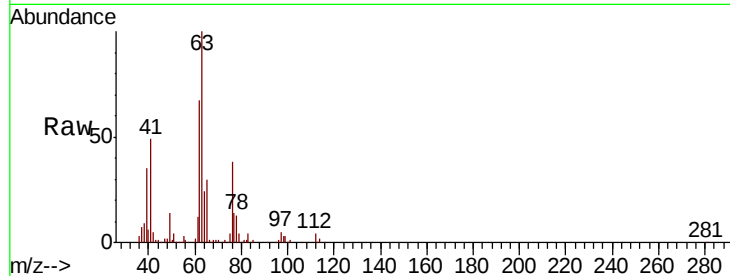
#45
 1,2-Dichloropropane
 Concen: 20.24 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.5	36.7

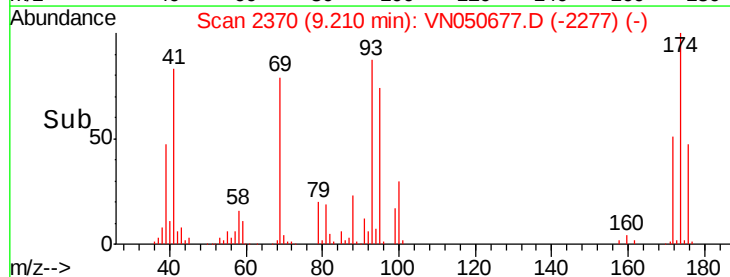
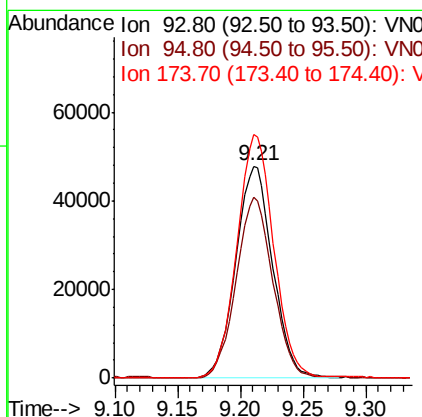
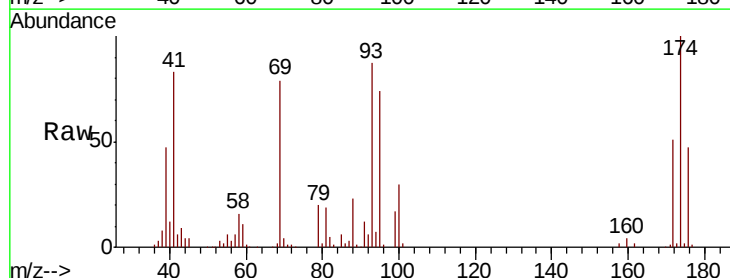
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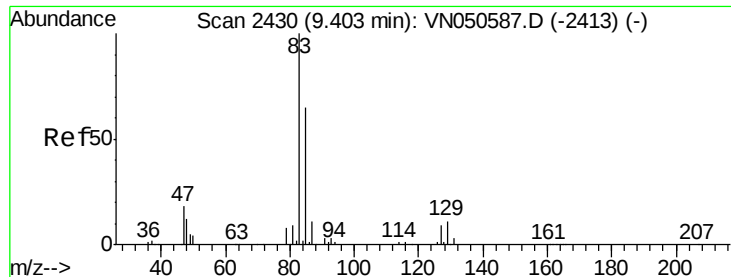
MMDadoda
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#46
 Dibromomethane
 Concen: 19.97 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	69.1	103.7
174	114.9	91.0	136.6





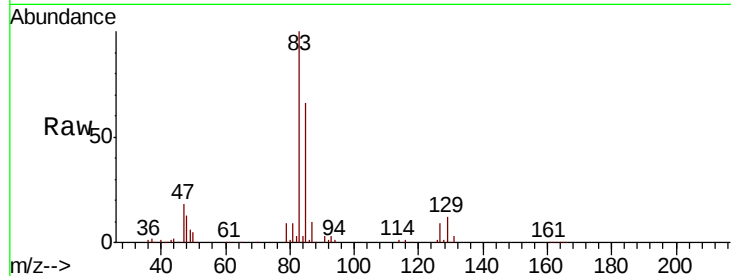
#47
Bromodichloromethane
Concen: 19.99 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

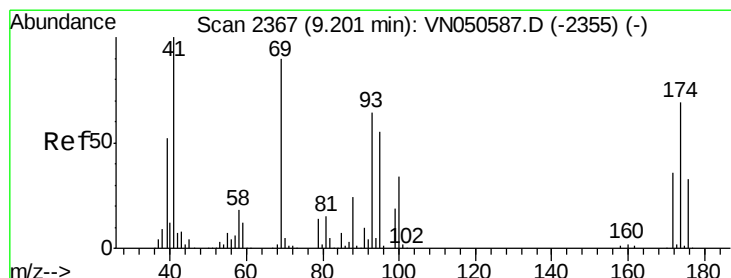
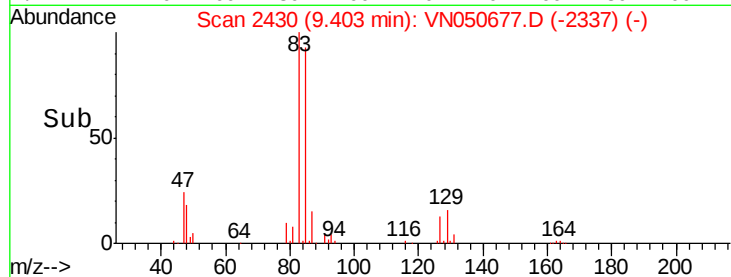
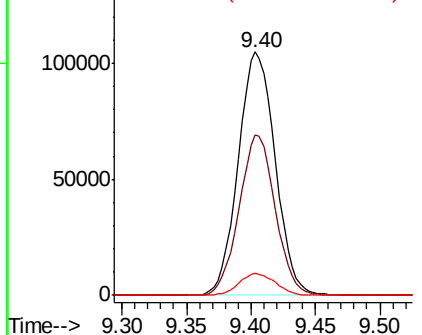
Tot Ion	Ratio	Resp	Lower	Upper
83	100	209407		
85	65.9	51.8	77.6	
127	8.9	7.2	10.8	

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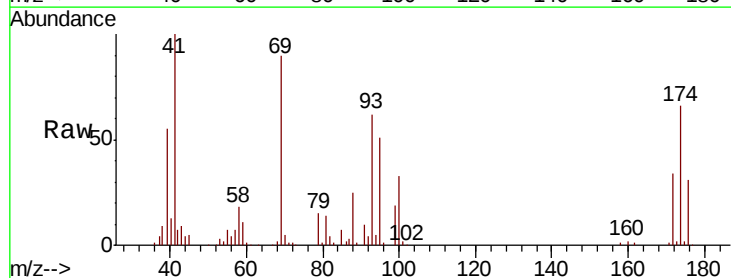


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

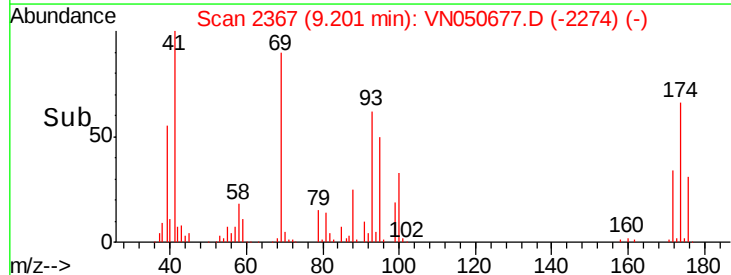
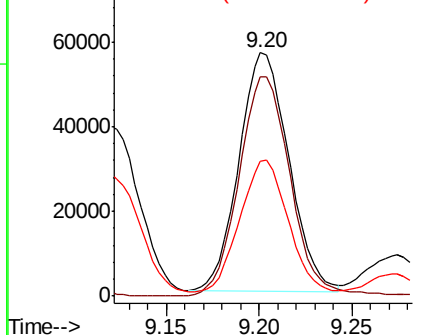


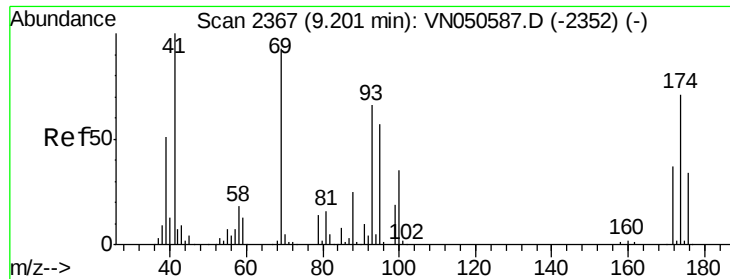
#48
Methyl methacrylate
Concen: 19.82 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	105269		
69	95.2	73.4	110.0	
39	56.8	43.0	64.6	



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





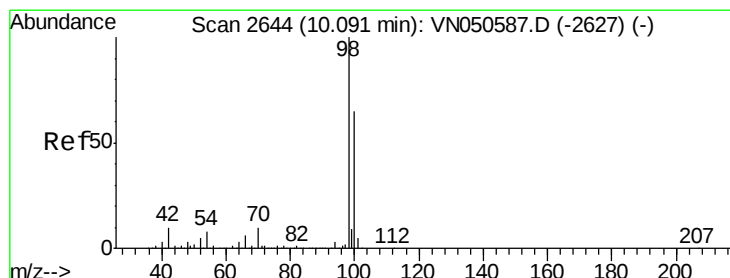
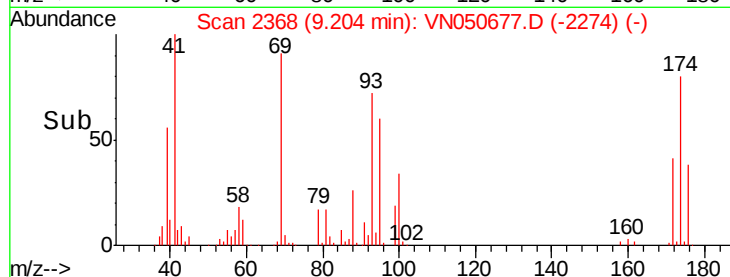
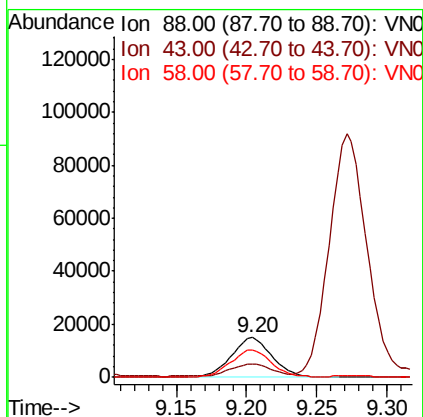
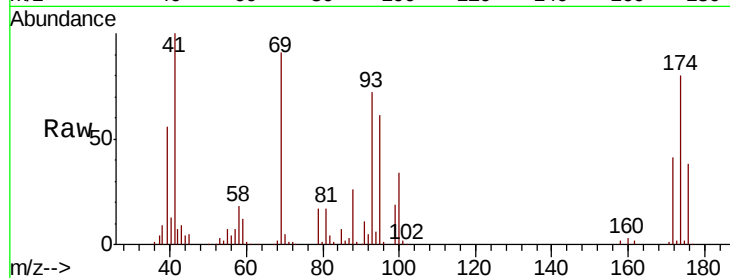
#49
1,4-Dioxane
Concen: 435.39 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	25.9	38.9
58	69.7	56.5	84.7

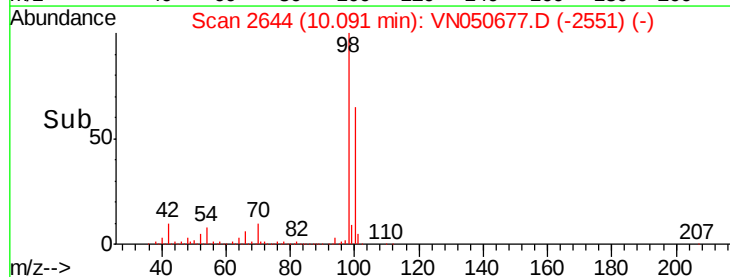
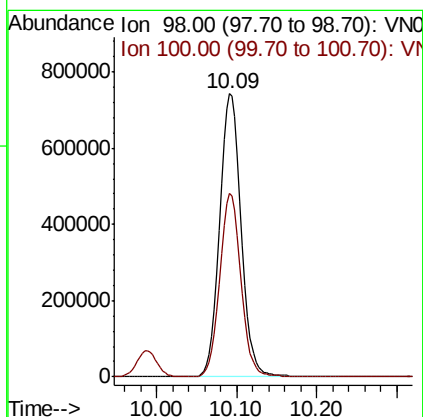
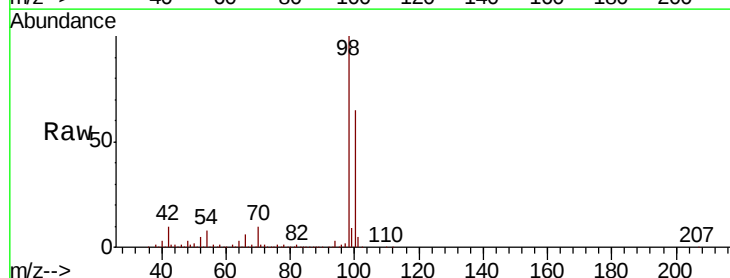
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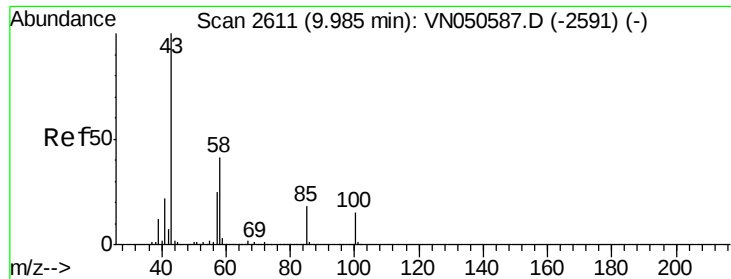
MMDadoda
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#50
Toluene-d8
Concen: 50.03 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 113.05 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 43 Resp: 807124

Ion Ratio Lower Upper

43 100

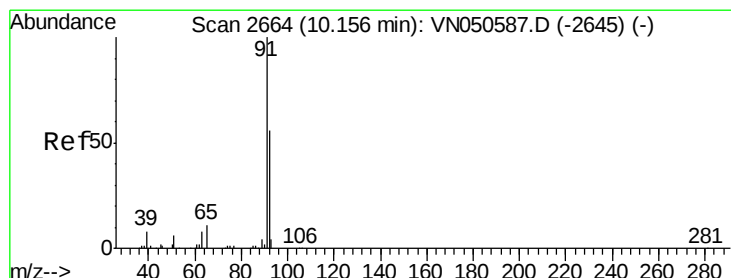
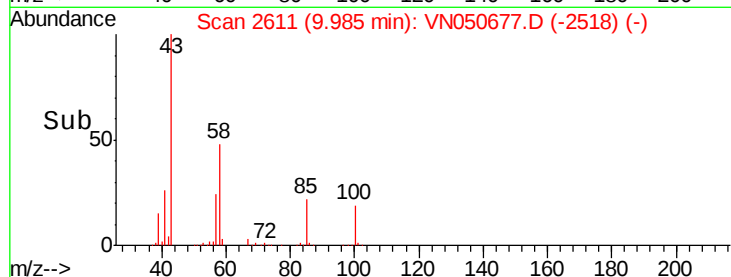
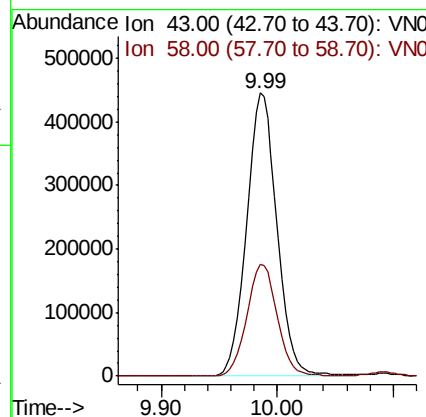
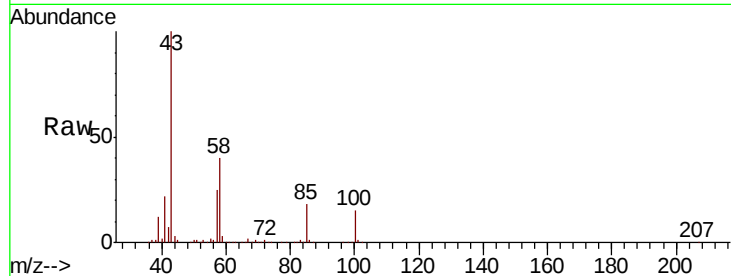
58 39.9 32.5 48.7

Manual Integrations

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#52

Toluene

Concen: 20.37 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050677.D

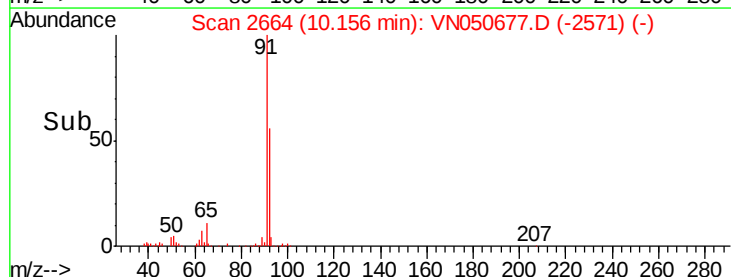
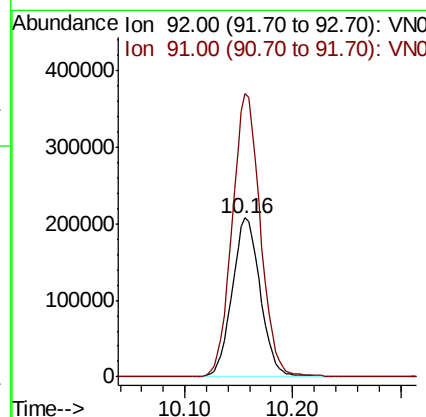
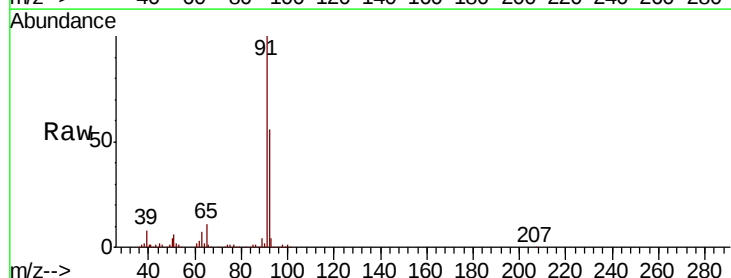
Acq: 16 Aug 2018 1:32

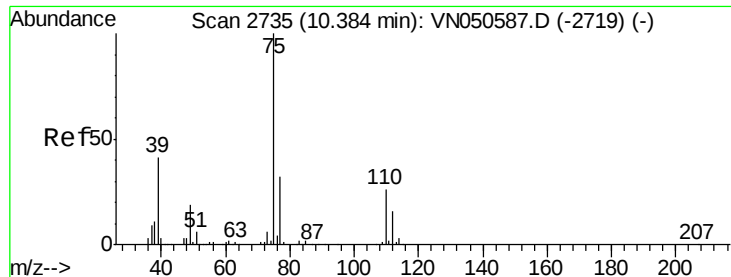
Tgt Ion: 92 Resp: 379190

Ion Ratio Lower Upper

92 100

91 178.3 141.9 212.9





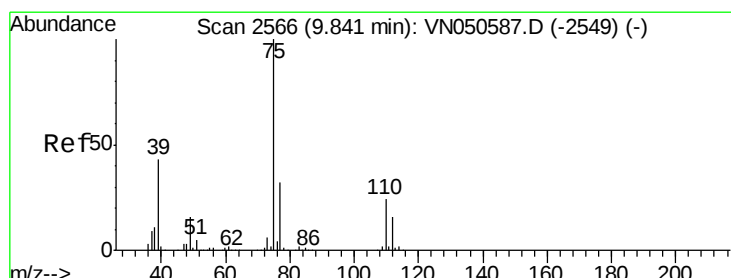
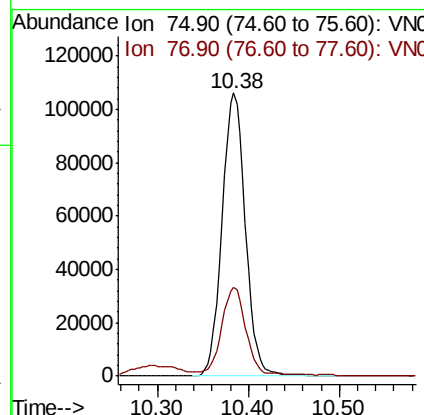
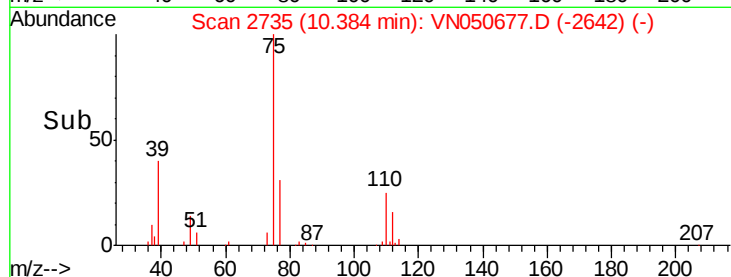
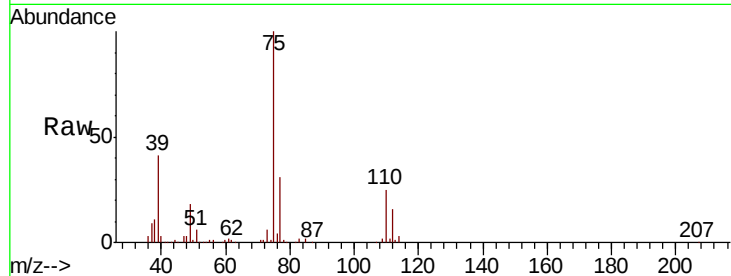
#53
t-1,3-Dichloropropene
Concen: 19.39 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion: 75 Resp: 189136
Ion Ratio Lower Upper
75 100
77 31.0 25.8 38.6

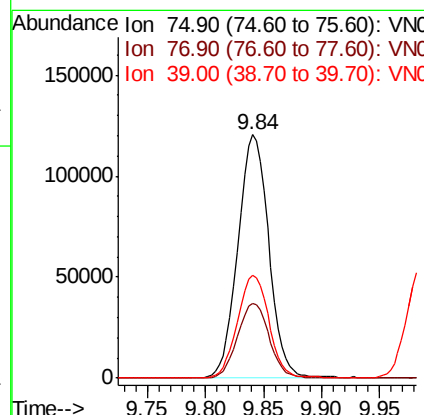
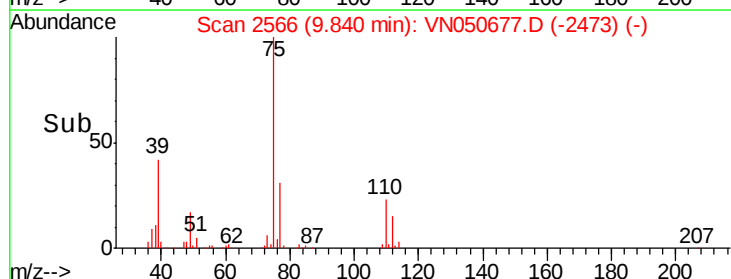
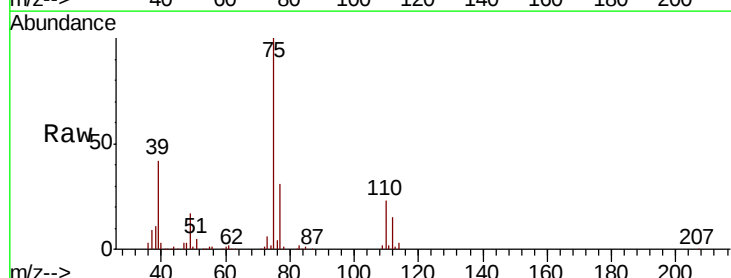
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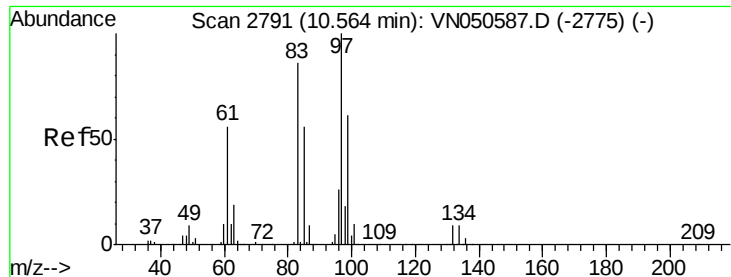
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#54
cis-1,3-Dichloropropene
Concen: 19.91 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion: 75 Resp: 222867
Ion Ratio Lower Upper
75 100
77 30.9 25.6 38.4
39 42.2 34.4 51.6





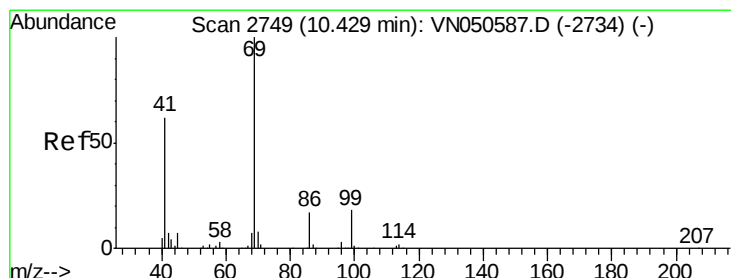
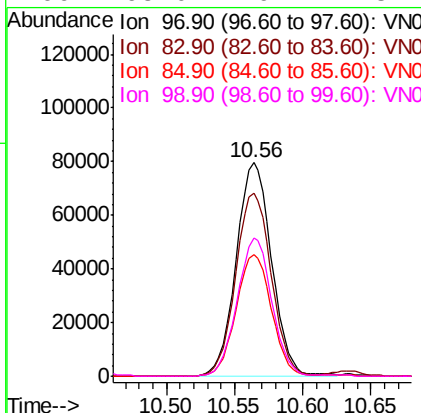
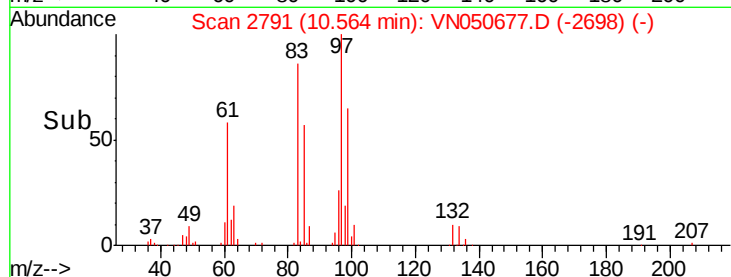
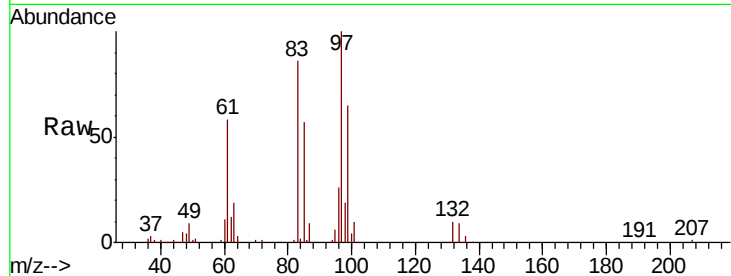
#55
 1,1,2-Trichloroethane
 Concen: 20.65 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		143596		
83	85.6	68.5	102.7		
85	56.9	44.6	66.8		
99	65.0	49.1	73.7		

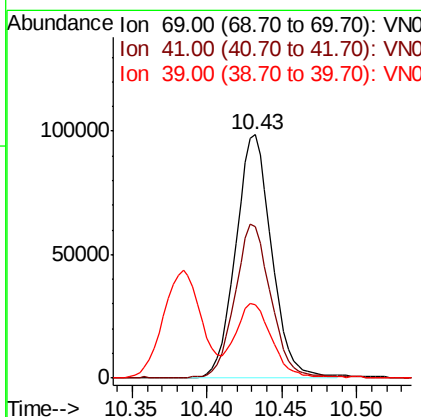
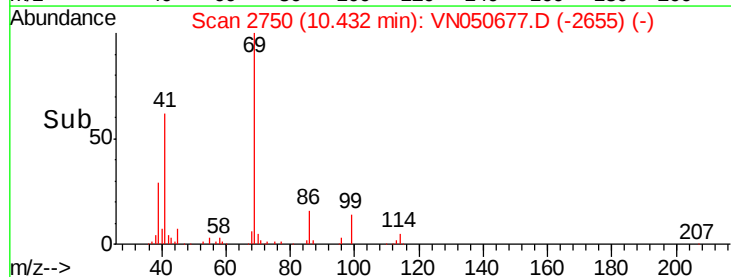
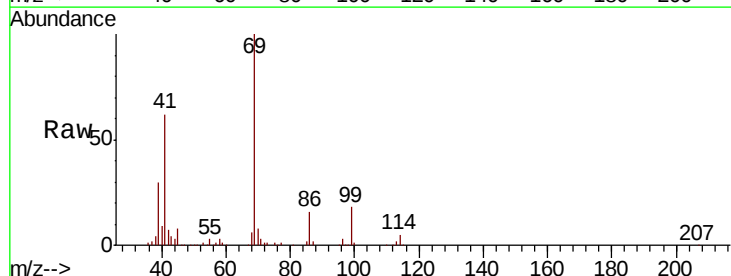
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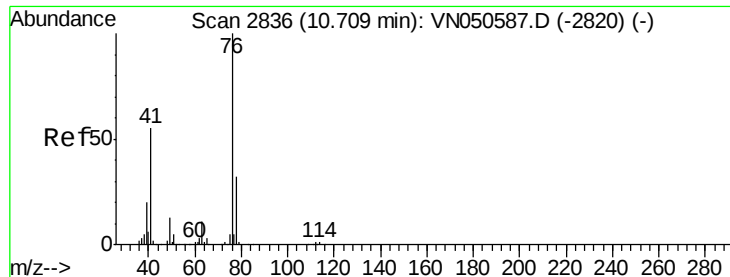
MMDadoda
 8/16/2018 1:19:17 PM



#56
 Ethyl methacrylate
 Concen: 19.77 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		164803		
41	62.9	49.7	74.5		
39	30.7	24.2	36.2		





#57

1,3-Dichloropropane

Concen: 20.79 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 76 Resp: 236958

Ion Ratio Lower Upper

76 100

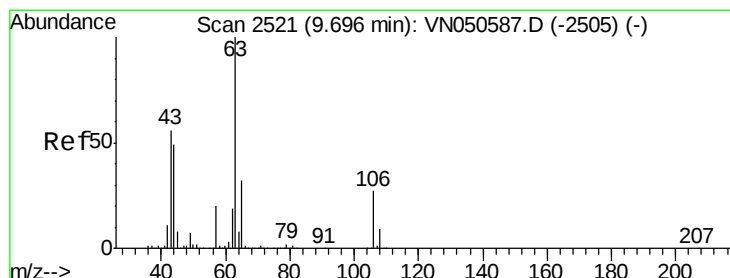
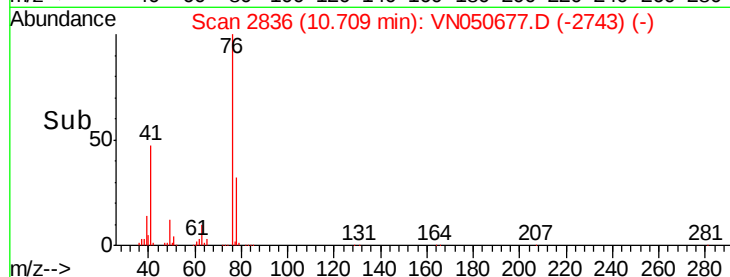
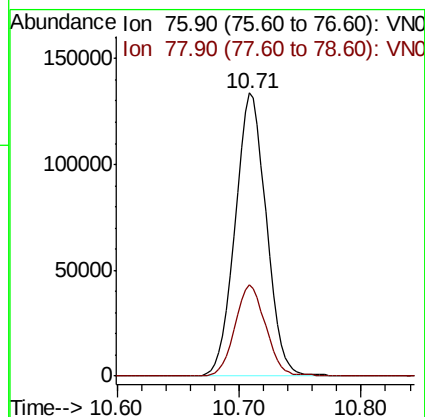
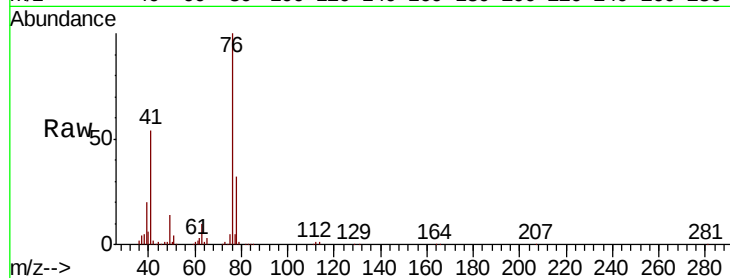
78 31.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 98.06 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050677.D

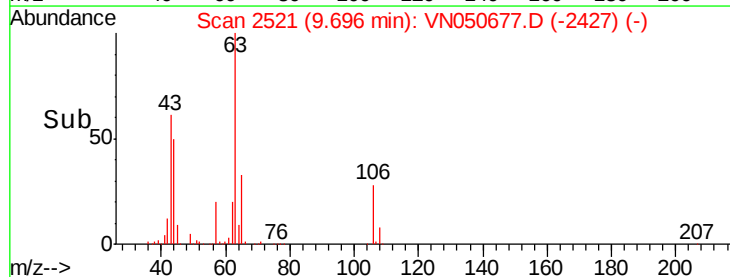
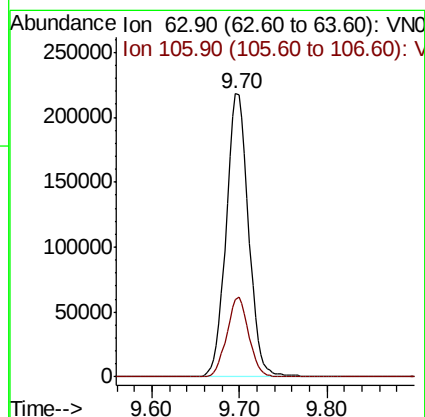
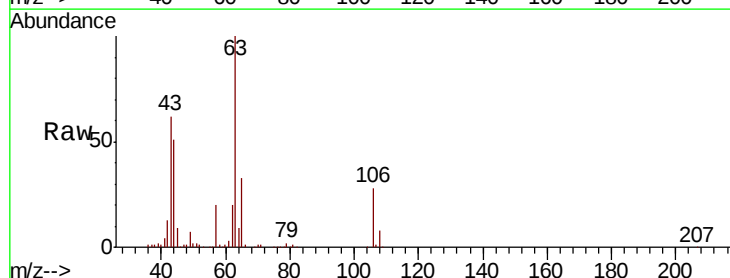
Acq: 16 Aug 2018 1:32

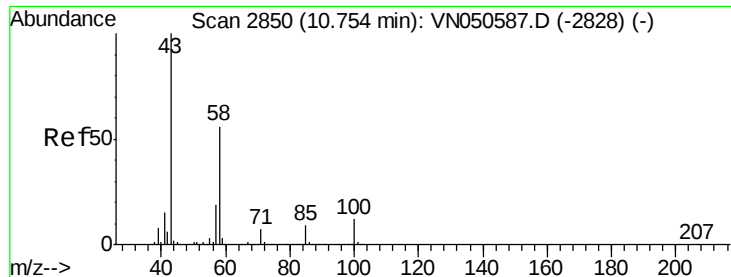
Tgt Ion: 63 Resp: 388608

Ion Ratio Lower Upper

63 100

106 27.6 21.7 32.5





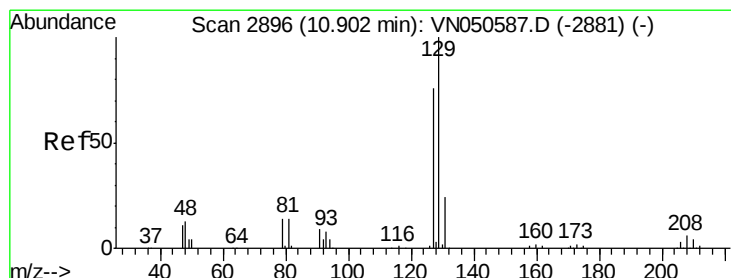
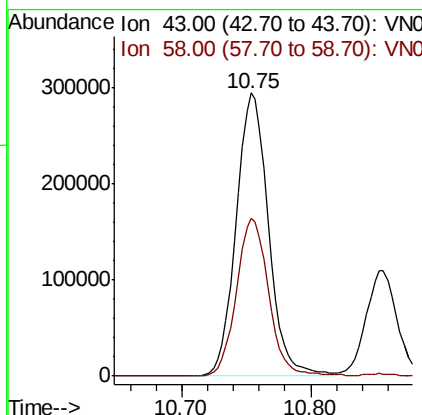
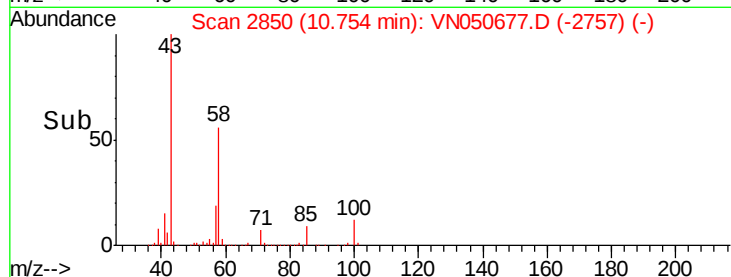
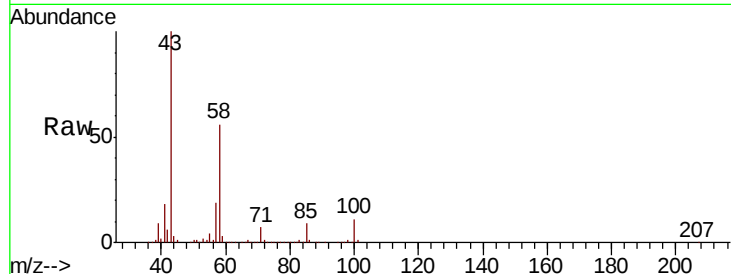
#59
2-Hexanone
Concen: 111.35 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.0	84.0

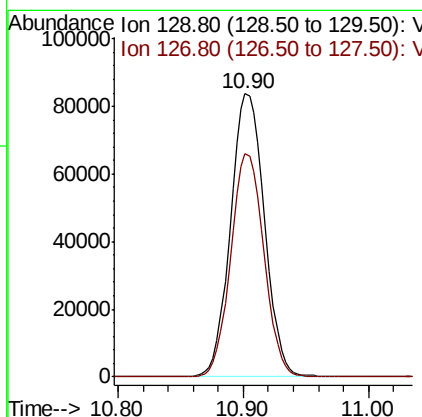
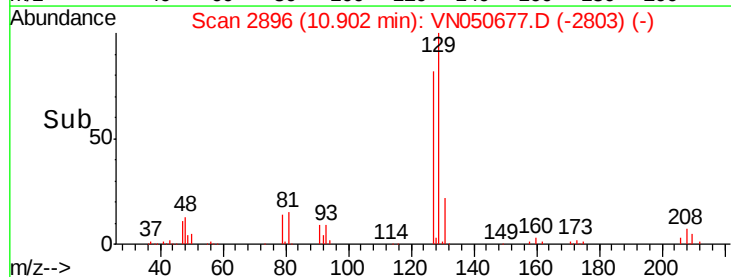
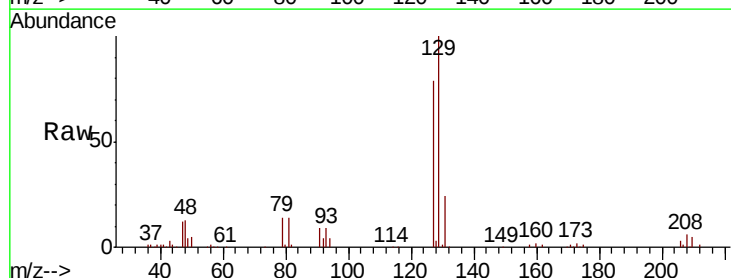
Manual Integrations
APPROVED

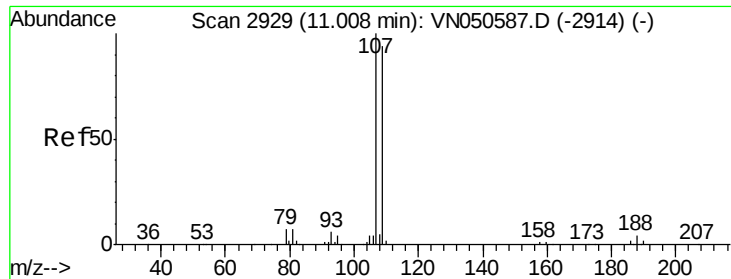
MMDadoda
8/16/2018 1:19:17 PM



#60
Dibromochloromethane
Concen: 20.49 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.9	116.7





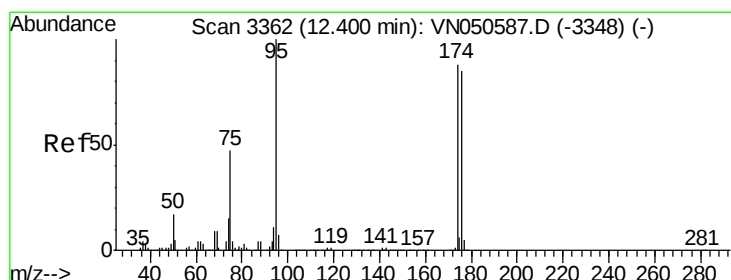
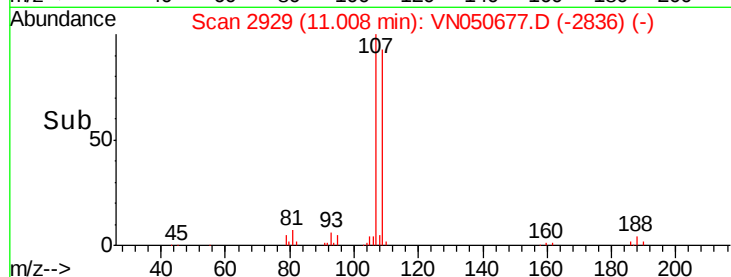
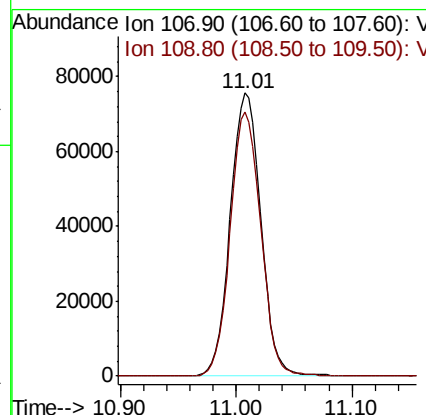
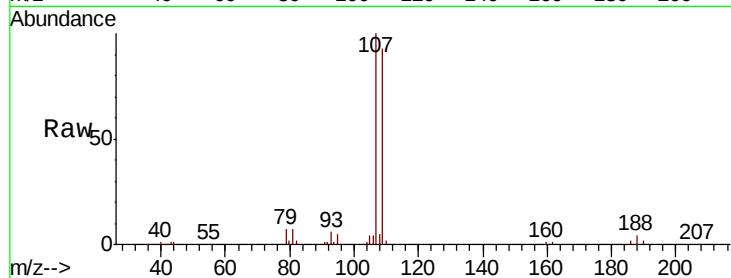
#61
 1,2-Dibromoethane
 Concen: 20.87 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.7	113.5

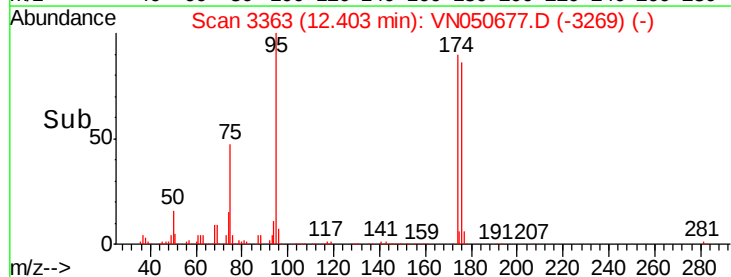
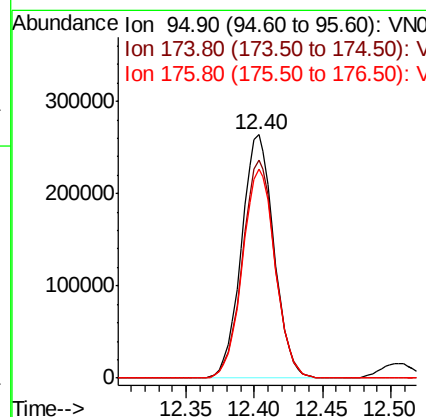
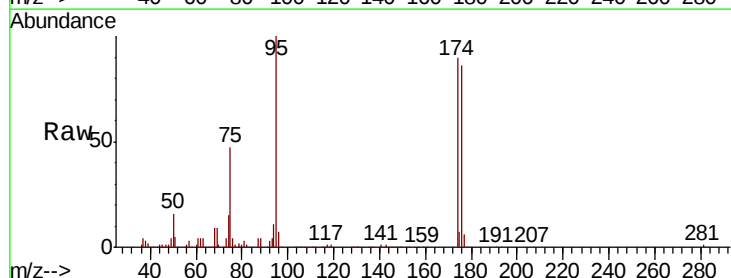
Manual Integrations
 APPROVED

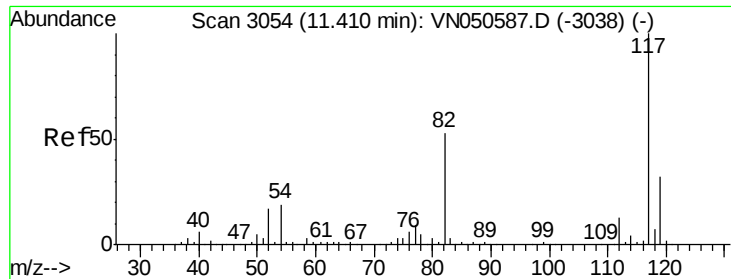
MMDadoda
 8/16/2018 1:19:17 PM



#62
 4-Bromofluorobenzene
 Concen: 47.68 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.8	0.0	177.8
176	86.6	0.0	175.0





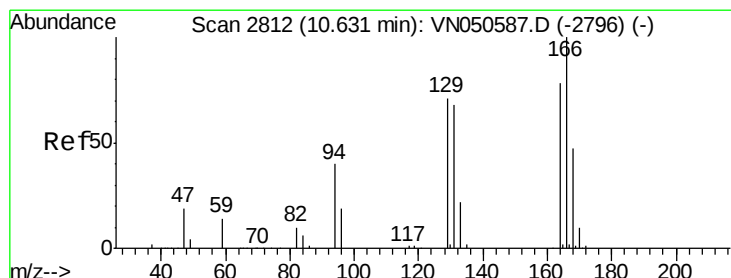
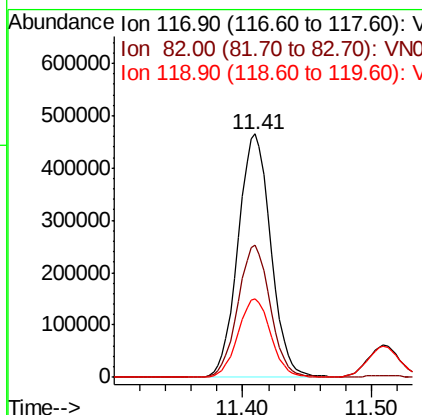
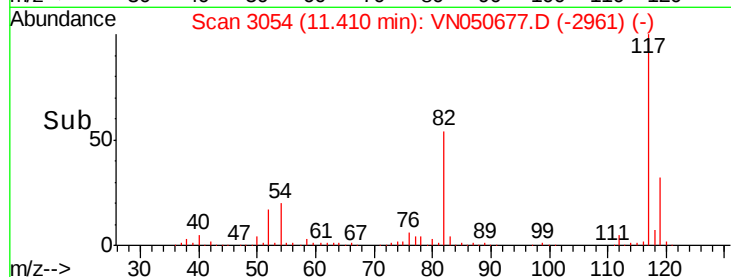
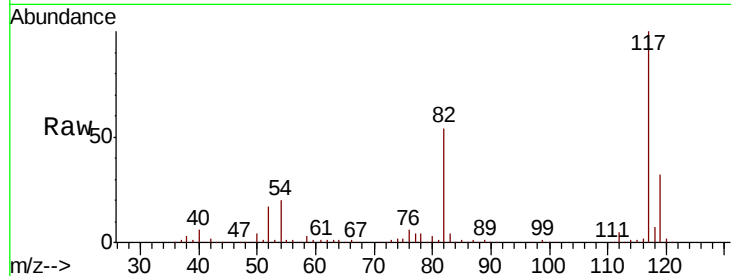
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.4	63.6
119	32.3	25.8	38.8

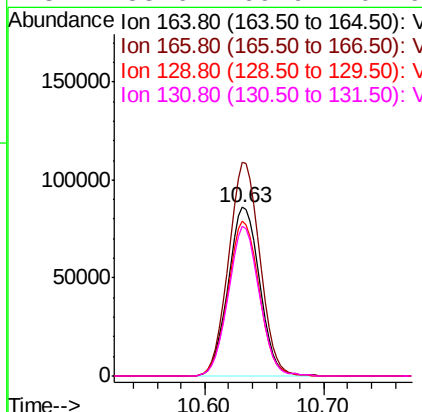
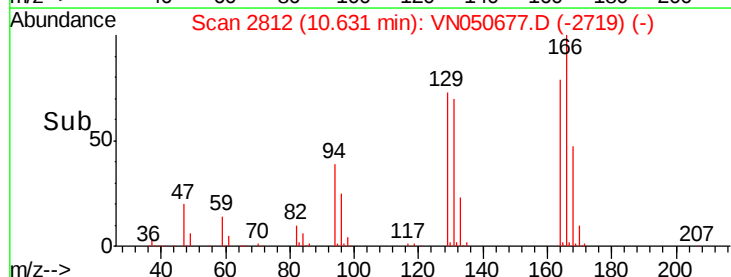
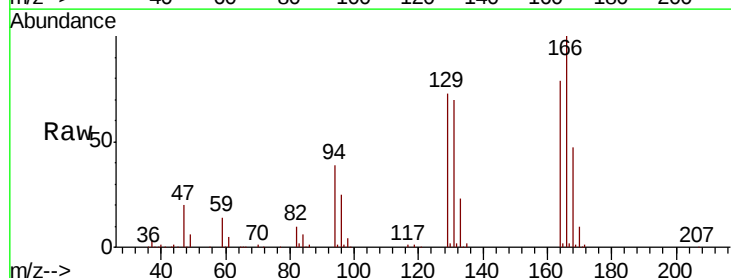
Manual Integrations
APPROVED

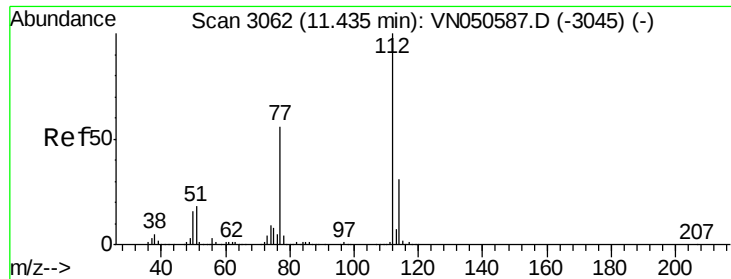
MMDadoda
8/16/2018 1:19:17 PM



#64
Tetrachloroethene
Concen: 20.68 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	102.1	153.1
129	92.0	72.7	109.1
131	88.6	69.9	104.9





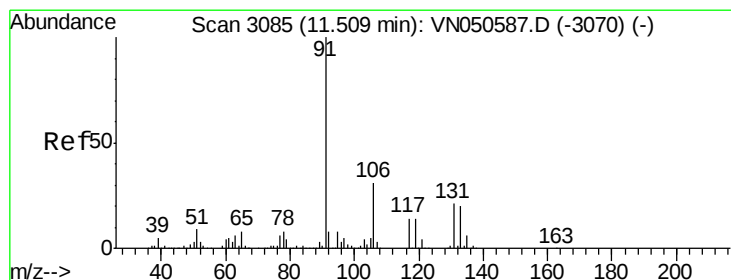
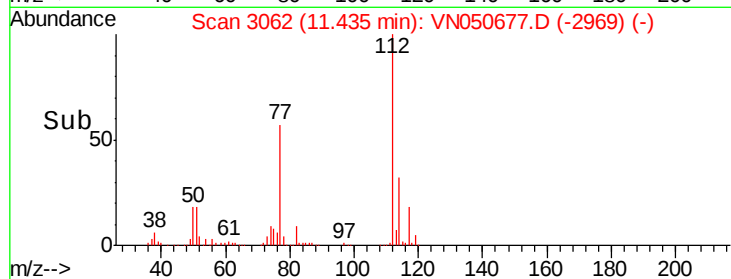
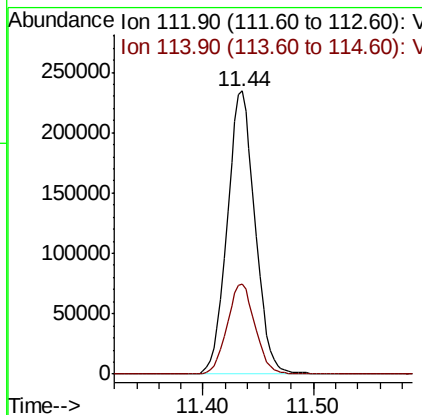
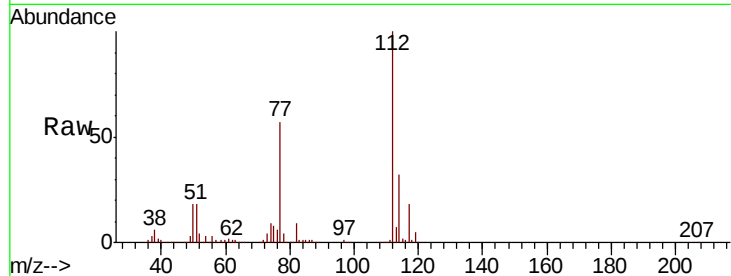
#65
Chlorobenzene
Concen: 19.94 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

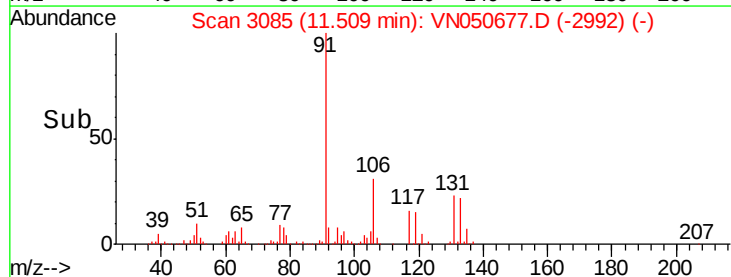
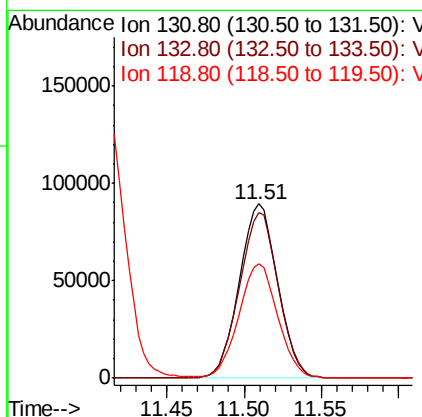
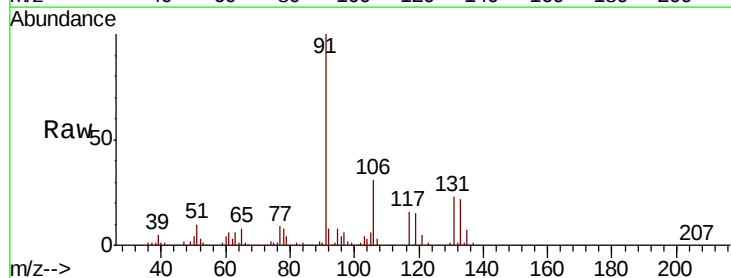
Manual Integrations
APPROVED

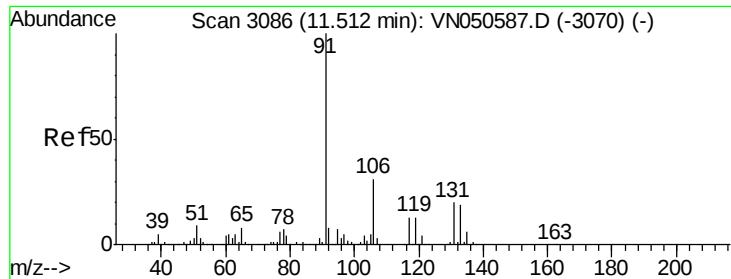
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.07 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.6	142.9
119	66.8	33.1	99.3





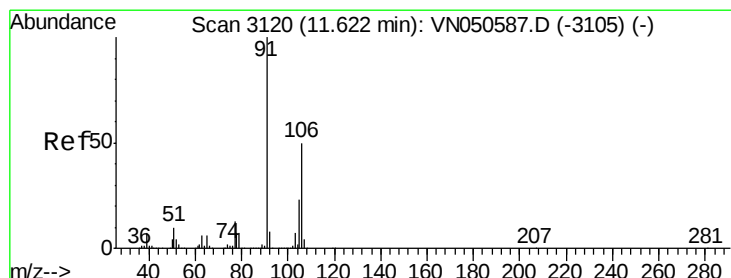
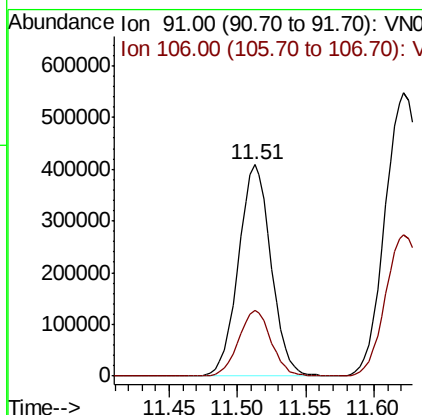
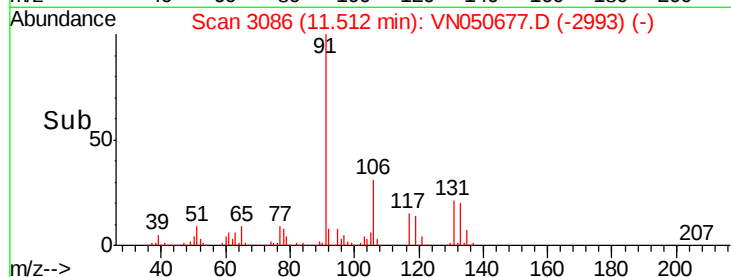
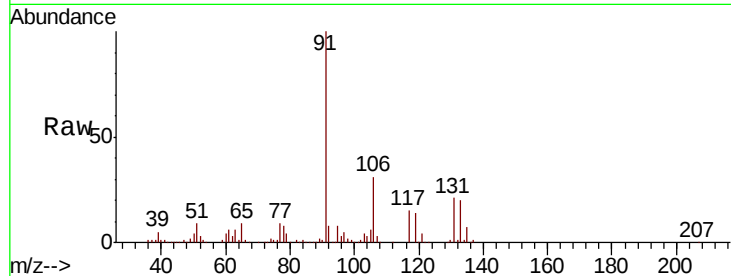
#67
Ethyl Benzene
Concen: 20.53 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.8	37.2

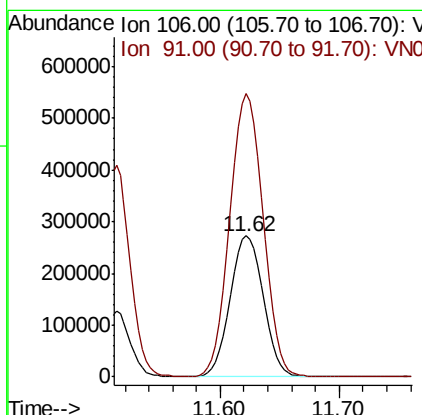
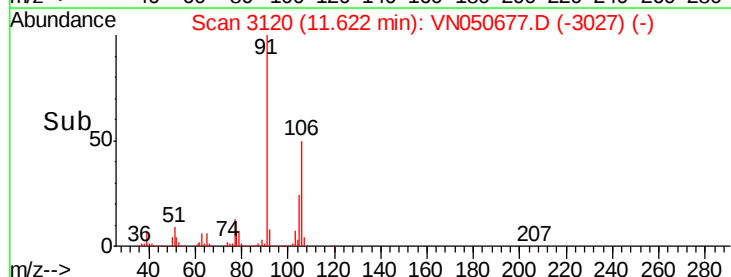
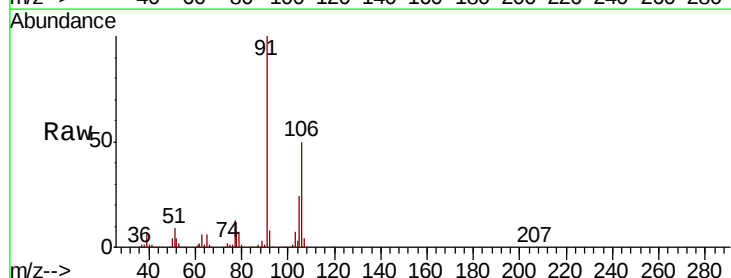
Manual Integrations
APPROVED

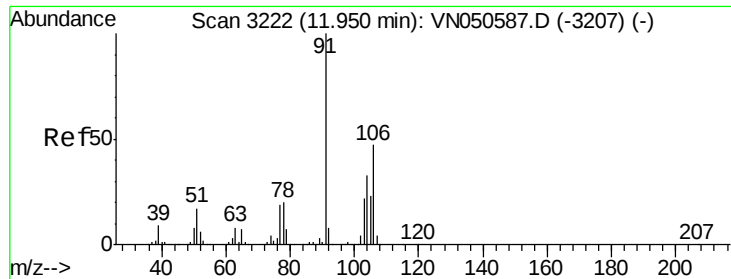
MMDadoda
8/16/2018 1:19:17 PM



#68
m/p-Xylenes
Concen: 41.78 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	161.5	242.3





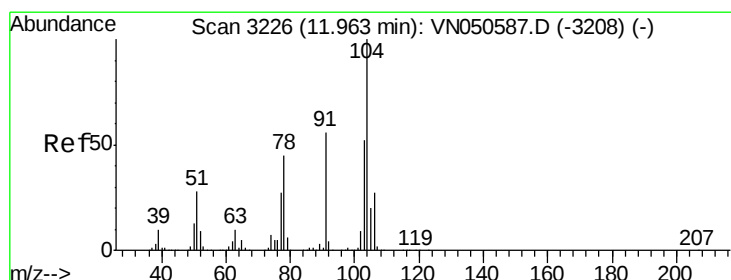
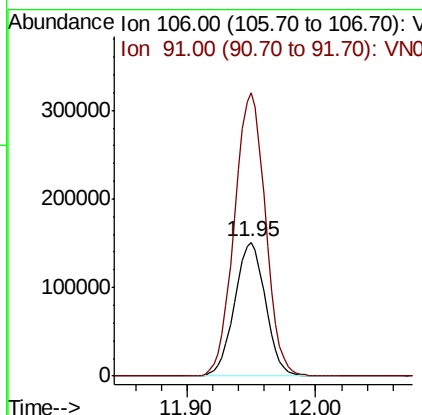
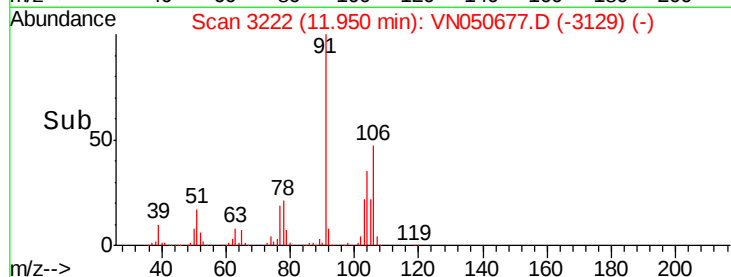
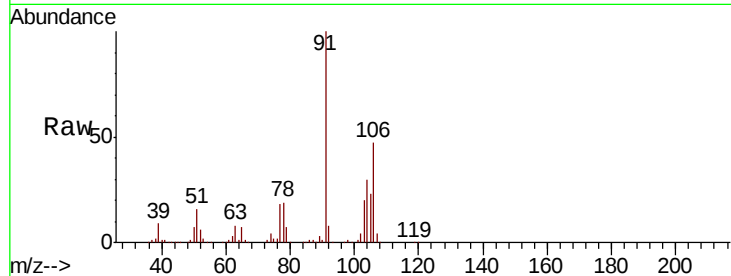
#69
o-Xylene
Concen: 20.89 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.9	106.8	320.4

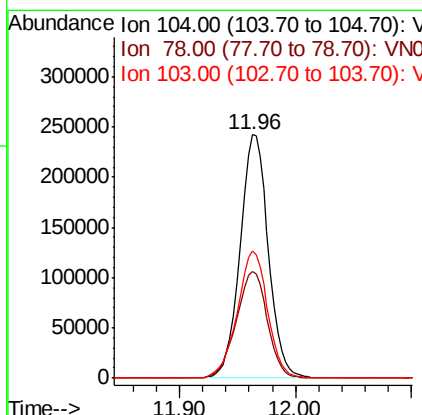
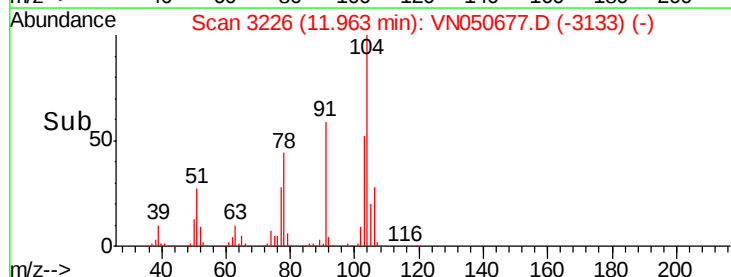
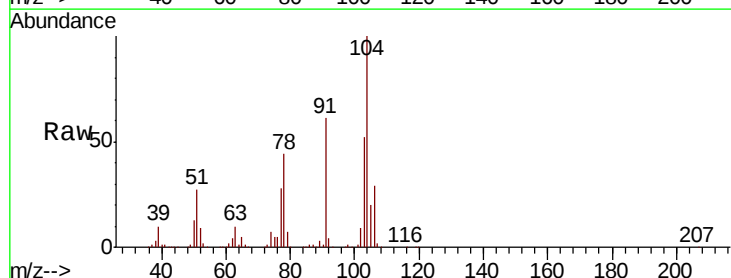
Manual Integrations
APPROVED

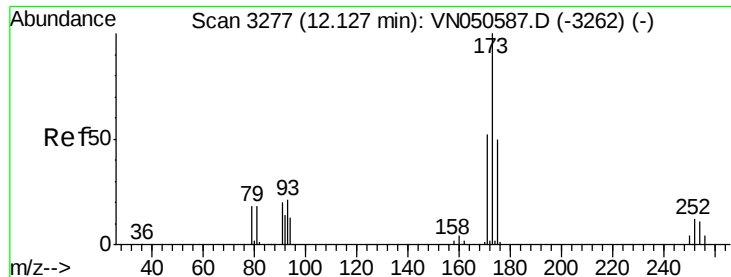
MMDadoda
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#70
Styrene
Concen: 19.72 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.1	58.7
103	56.1	44.9	67.3





#71

Bromoform

Concen: 20.40 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

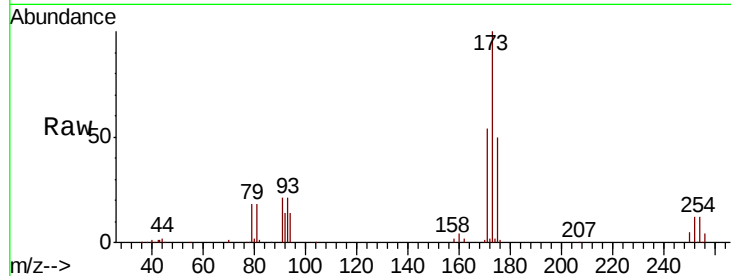
ClientSampleId :

VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
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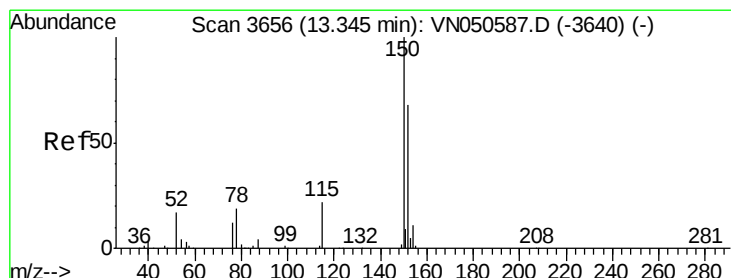
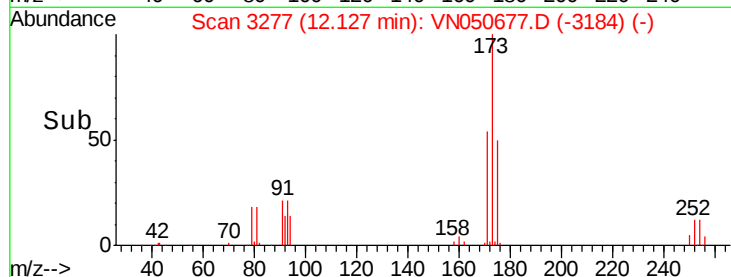
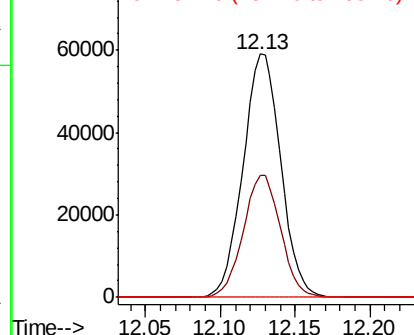


Abundance

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: 50.00 ug/l

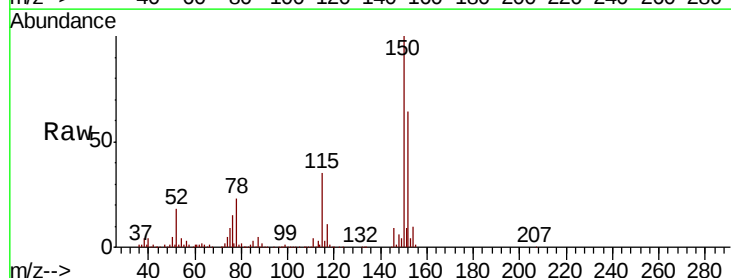
RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.1	84.2
150	164.5	0.0	347.8

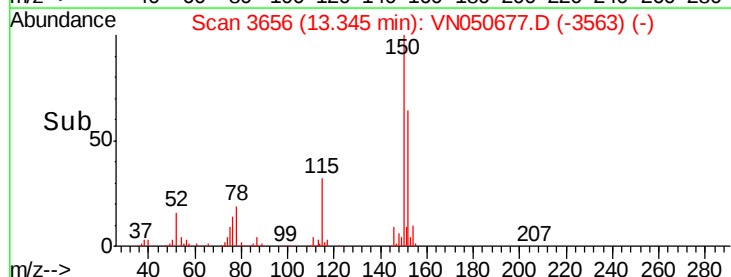
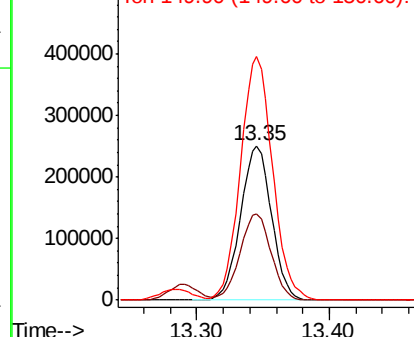


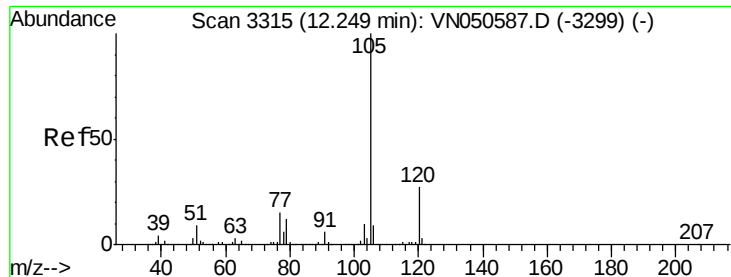
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.84 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 105 Resp: 658963

Ion Ratio Lower Upper

105 100

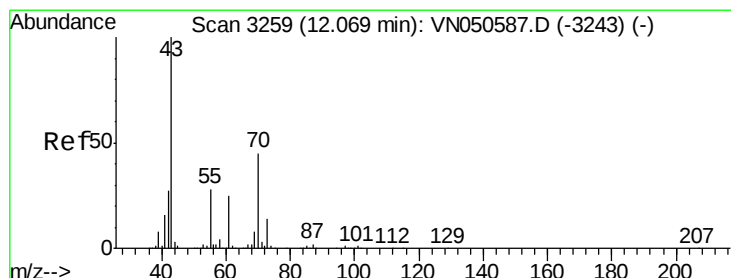
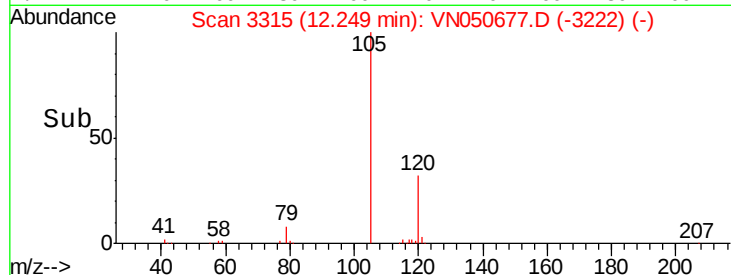
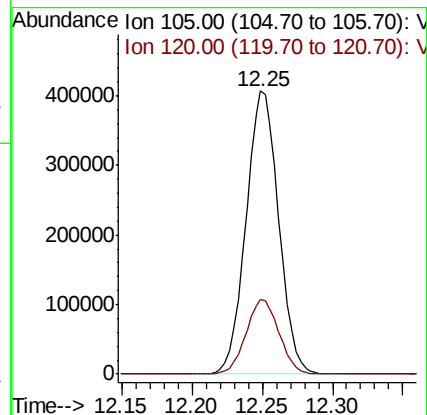
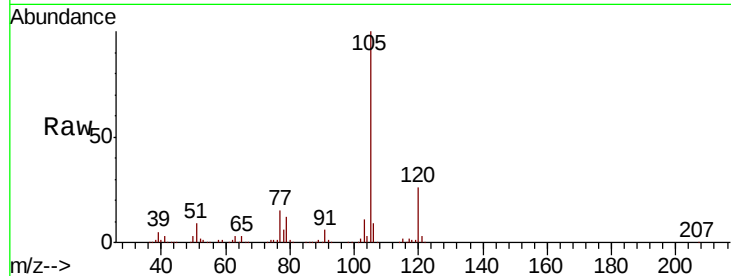
120 26.7 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.56 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion: 43 Resp: 177364

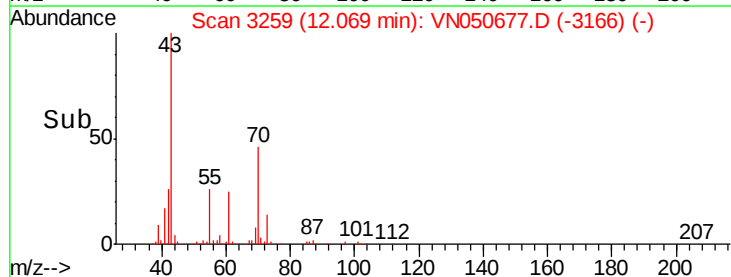
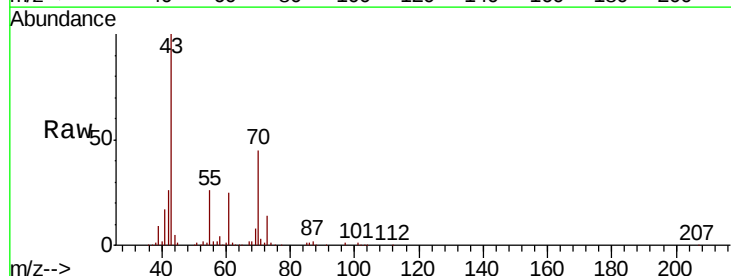
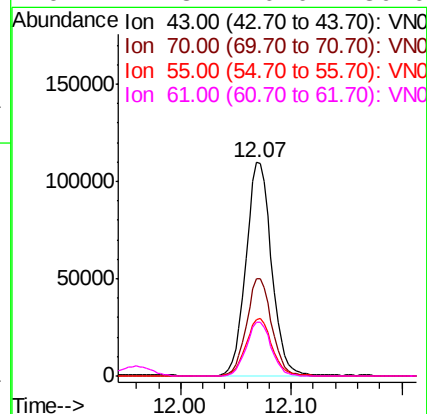
Ion Ratio Lower Upper

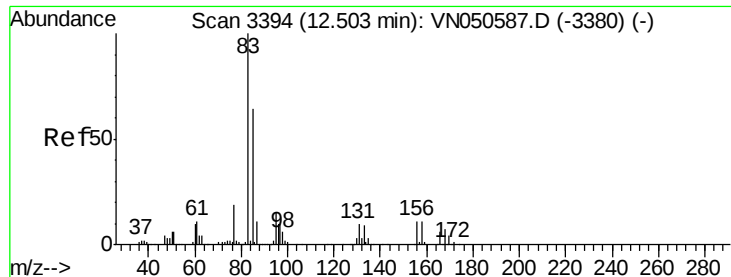
43 100

70 44.4 35.9 53.9

55 27.1 22.2 33.4

61 24.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

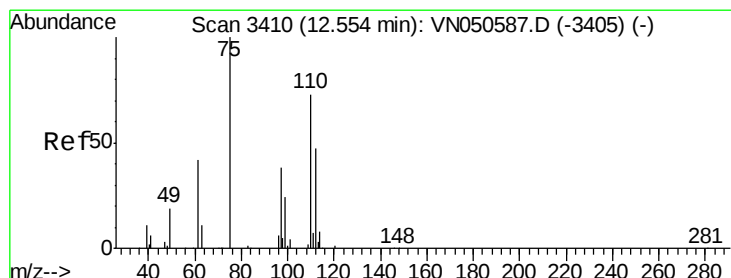
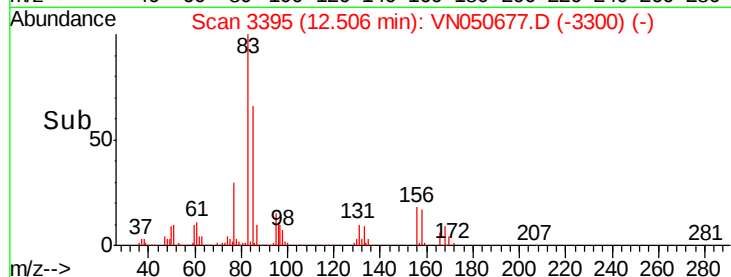
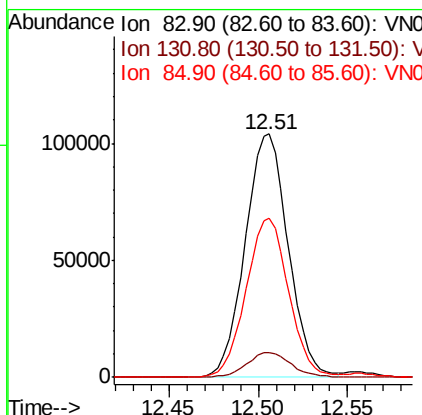
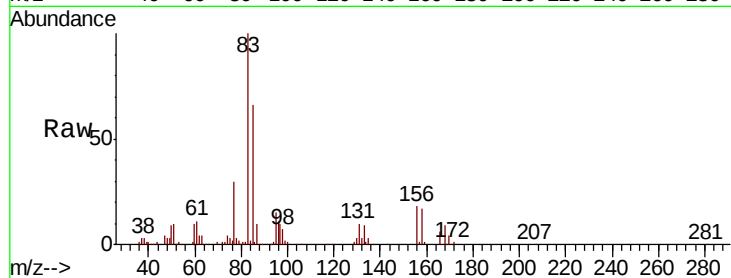
ClientSampleId :

VN0815WBSD03

Tot Ion:	83	Resp:	175358
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.6	32.1	96.5

Manual Integrations
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8/16/2018 1:19:17 PM



#76

1,2,3-Trichloropropane

Concen: 20.95 ug/l m

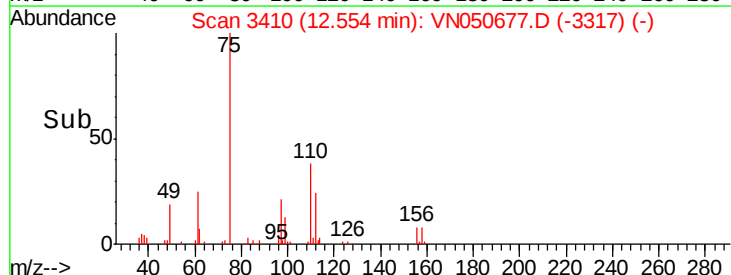
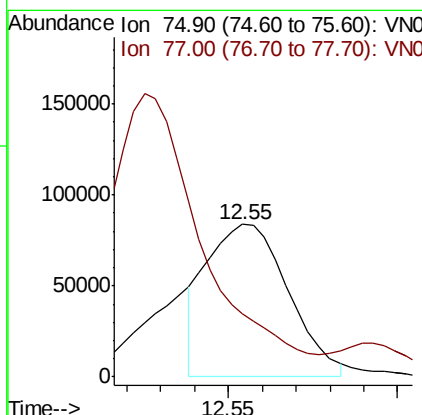
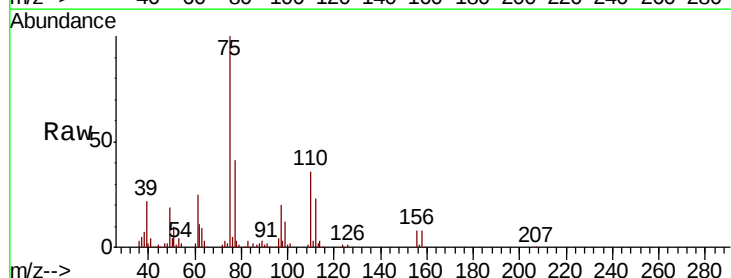
RT: 12.55 min Scan# 3410

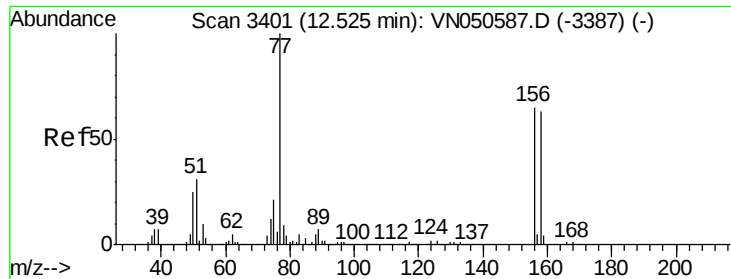
Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	75	Resp:	140888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.29 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

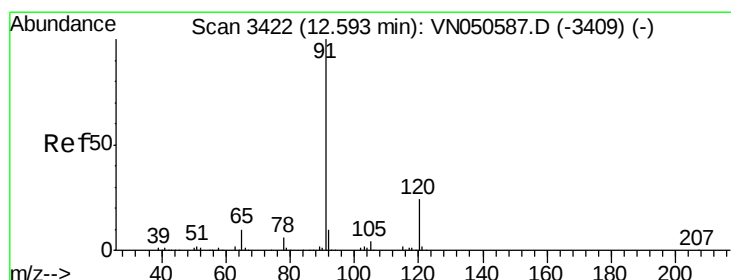
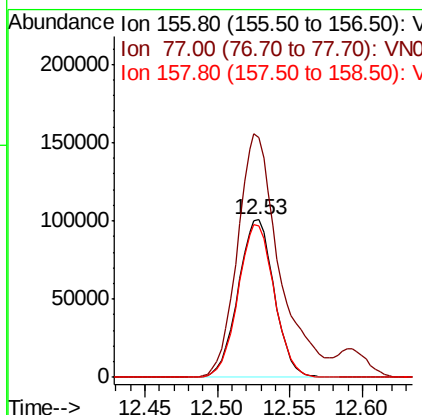
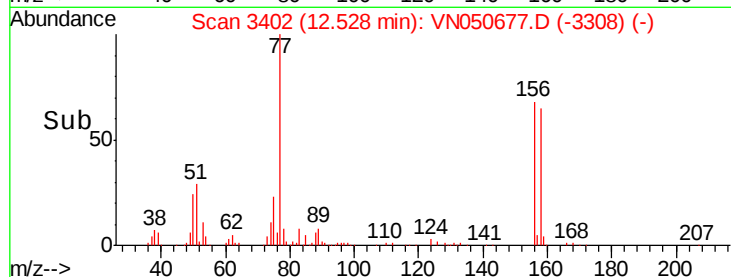
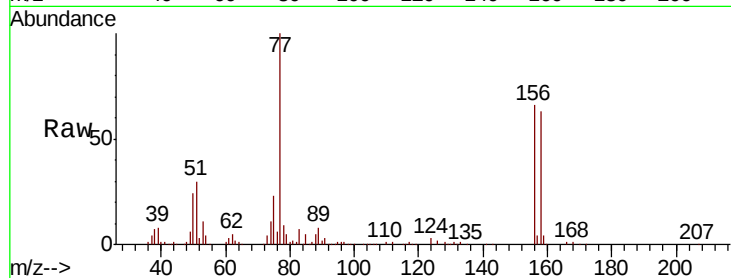
ClientSampleId :

VN0815WBSD03

Tot Ion:	156	Resp:	174208
Ion Ratio	Lower	Upper	
156	100		
77	179.4	89.0	267.1
158	97.1	48.5	145.6

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#78

n-propylbenzene

Concen: 21.08 ug/l

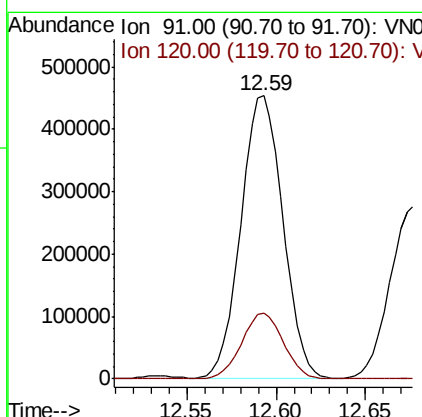
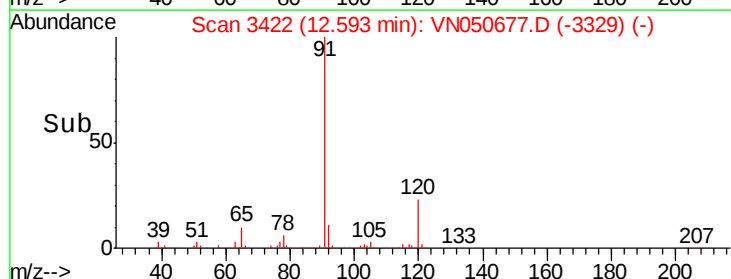
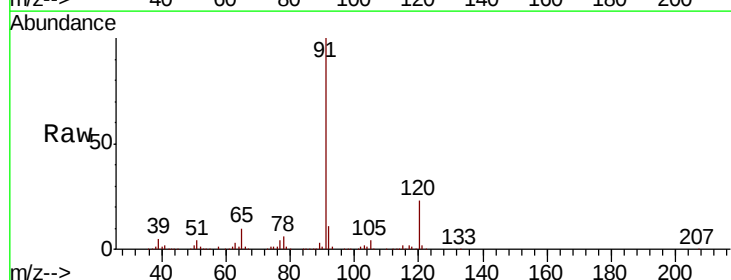
RT: 12.59 min Scan# 3422

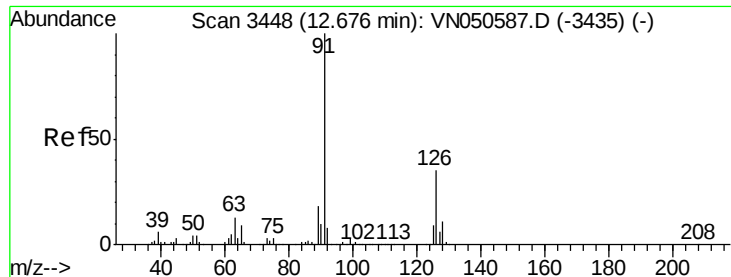
Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	91	Resp:	743214
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.64 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion: 91 Resp: 453846

Ion Ratio Lower Upper

91 100

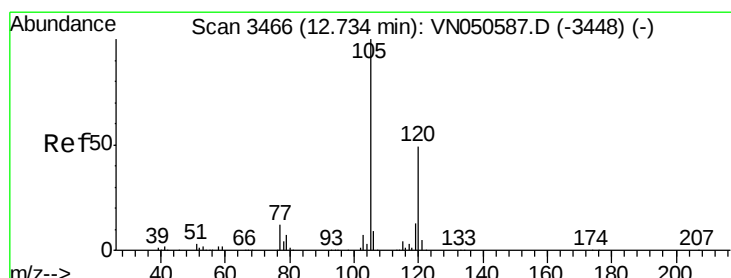
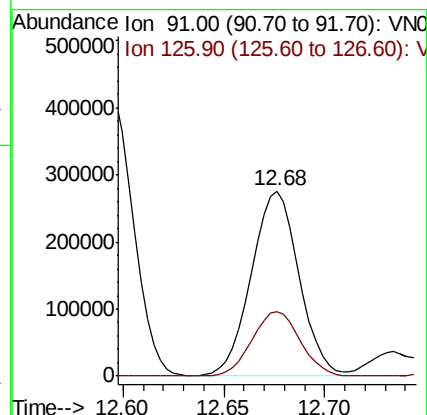
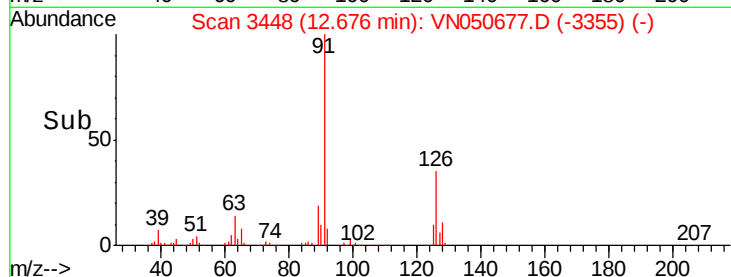
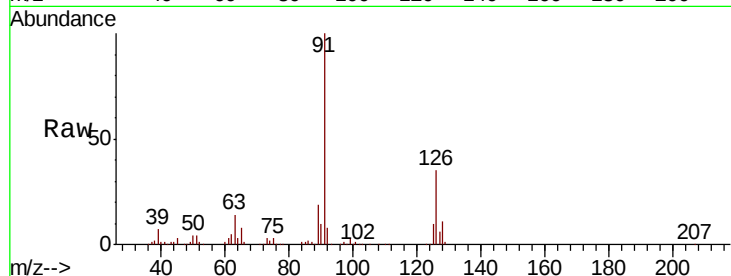
126 35.7 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.68 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050677.D

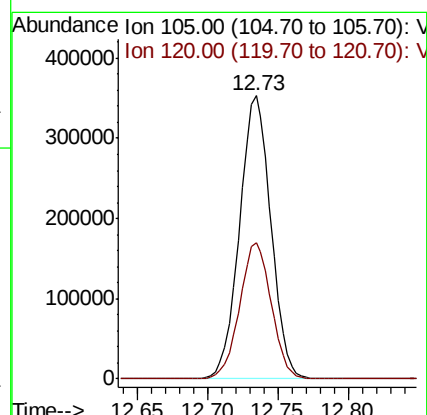
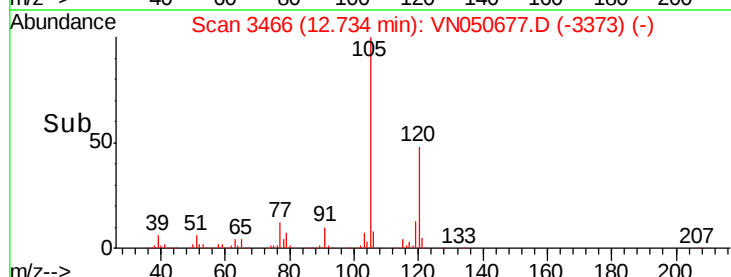
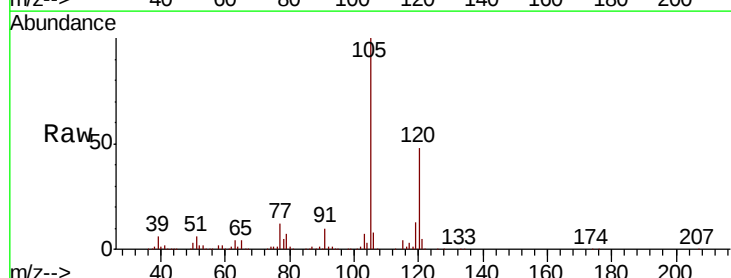
Acq: 16 Aug 2018 1:32

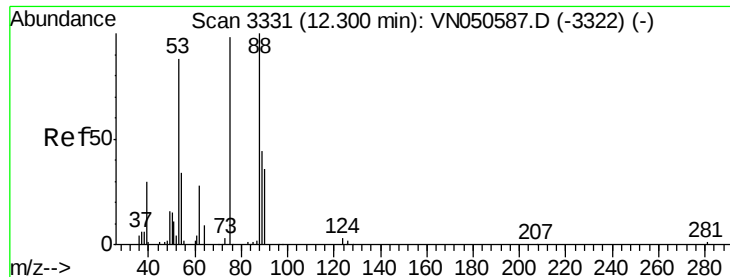
Tgt Ion: 105 Resp: 548958

Ion Ratio Lower Upper

105 100

120 48.6 24.7 74.1





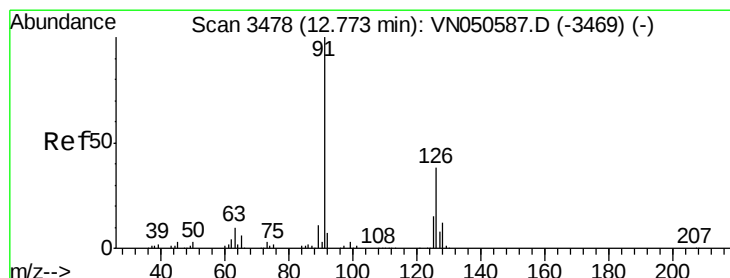
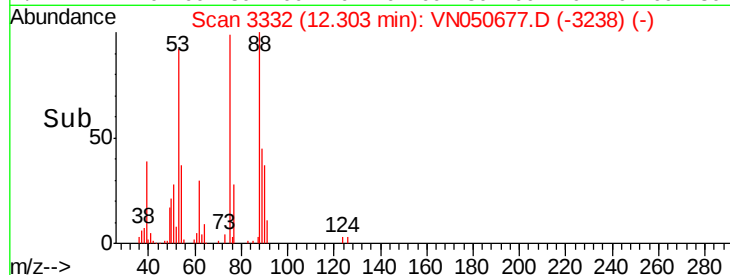
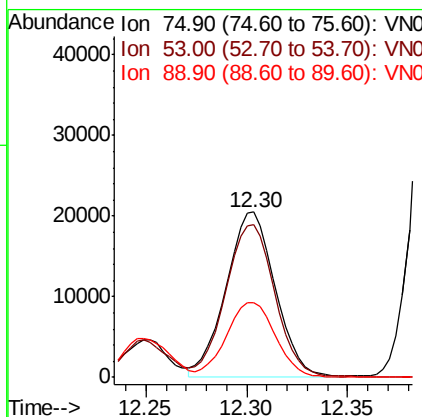
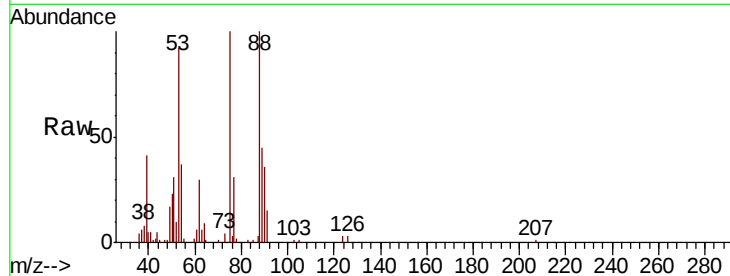
#81
trans-1,4-Dichloro-2-butene
Concen: 19.26 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.3	72.2	108.2
89	45.0	36.3	54.5

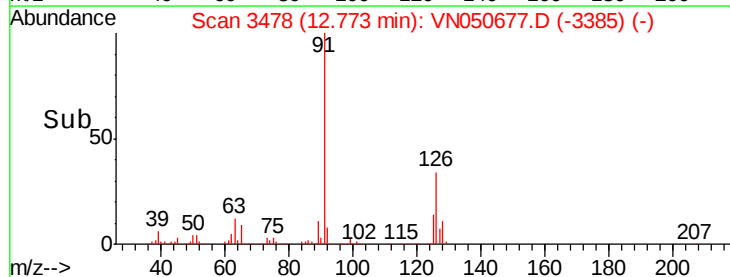
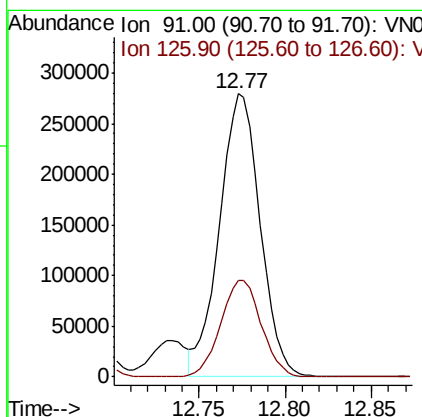
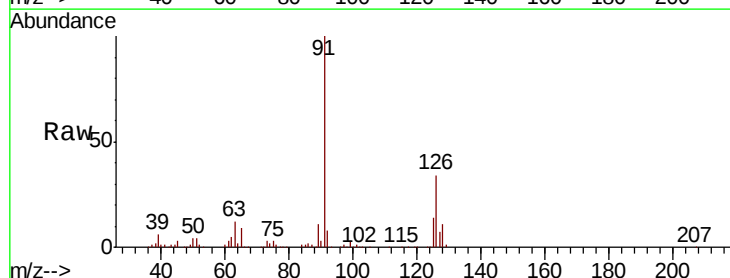
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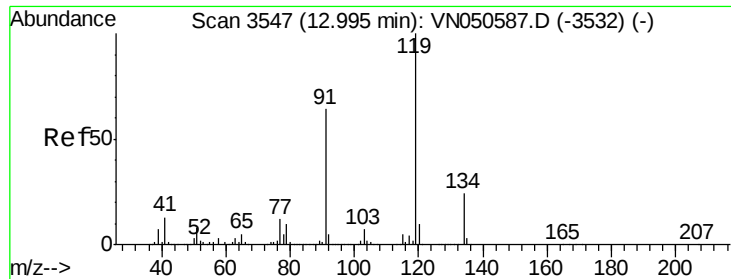
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#82
4-Chlorotoluene
Concen: 21.13 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	52.0





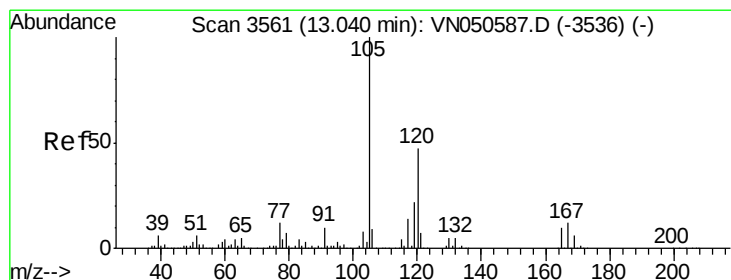
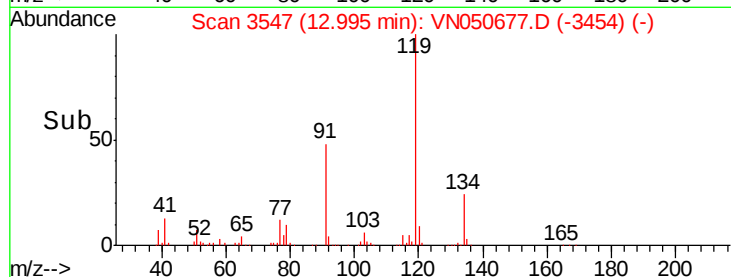
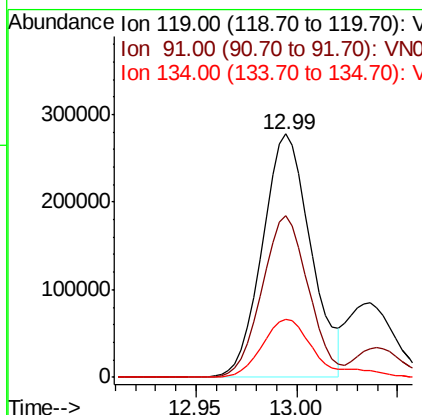
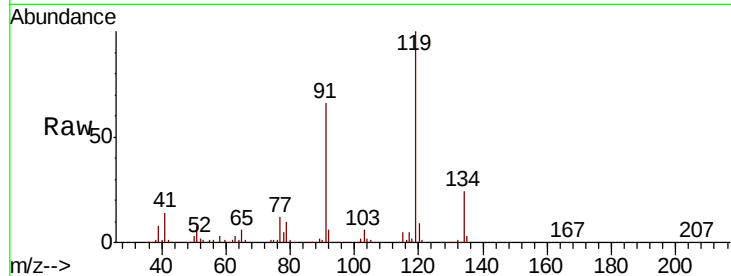
#83
tert-Butylbenzene
Concen: 21.13 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.2	96.6
134	26.3	13.4	40.2

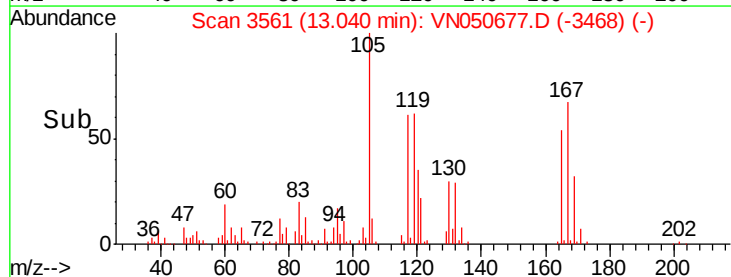
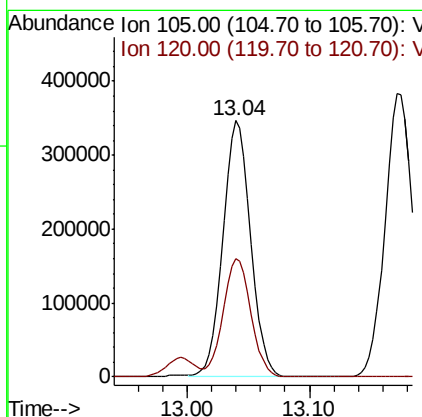
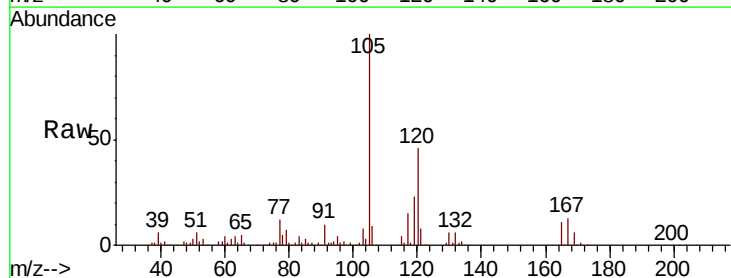
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 21.68 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.2	69.5





#85

sec-Butylbenzene

Concen: 21.29 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD03

Tot Ion:105 Resp: 611604

Ion Ratio Lower Upper

105 100

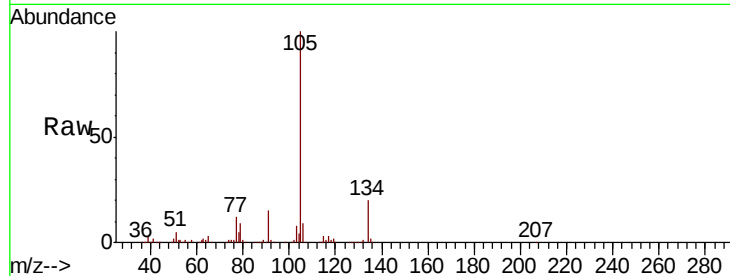
134 20.2 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

200000

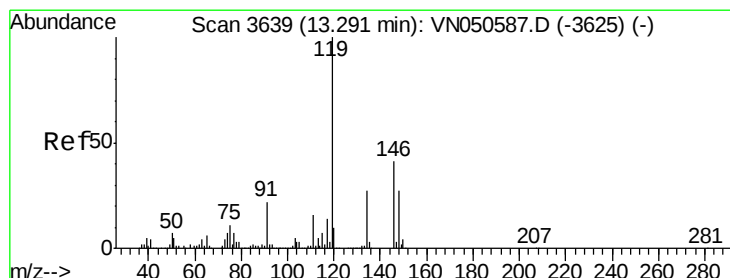
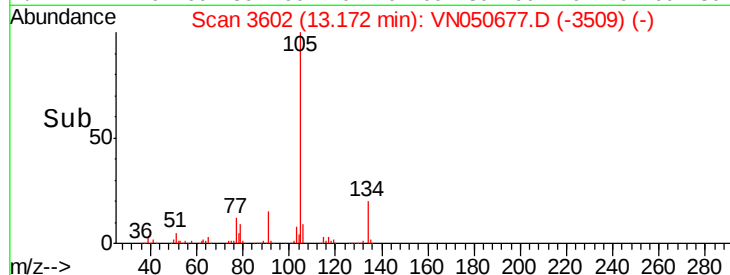
100000

0

13.10

13.20

Time-->



#86

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

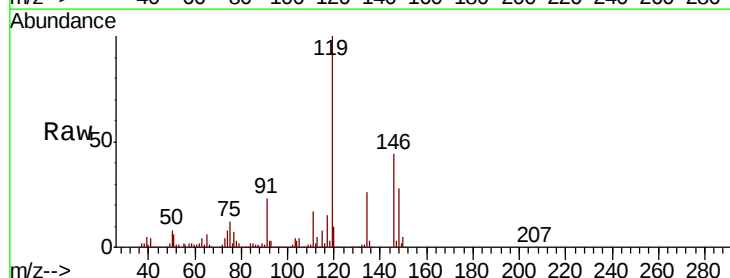
Tgt Ion:119 Resp: 511873

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.3 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

300000

200000

100000

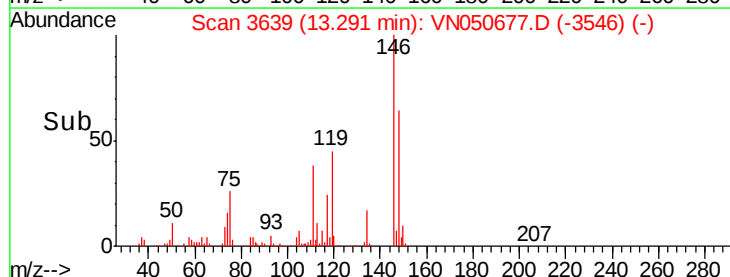
0

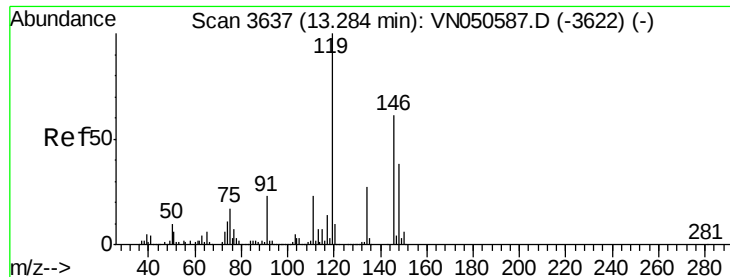
13.25

13.30

13.35

Time-->





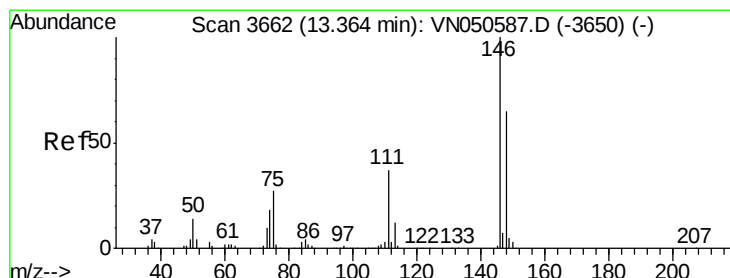
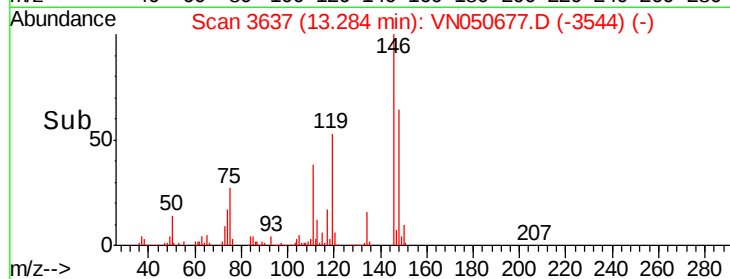
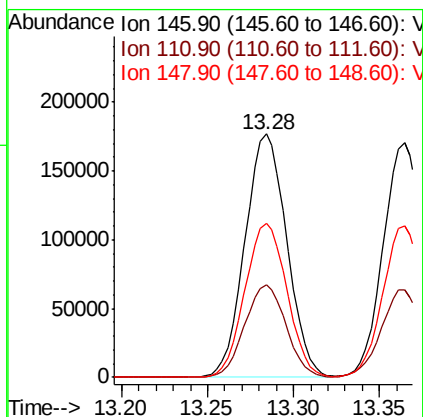
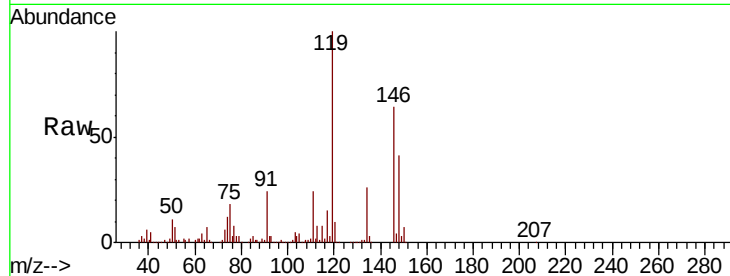
#87
 1,3-Dichlorobenzene
 Concen: 20.39 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion:	146	Resp:	298050
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.2	57.6
148	63.7	31.9	95.7

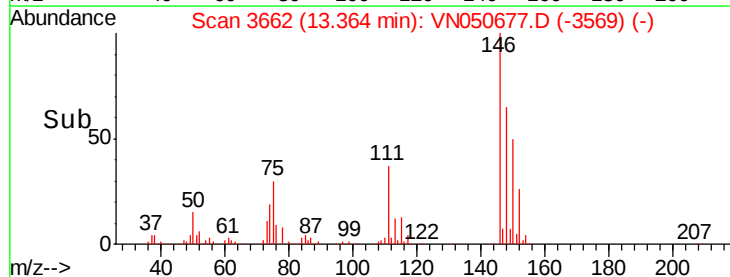
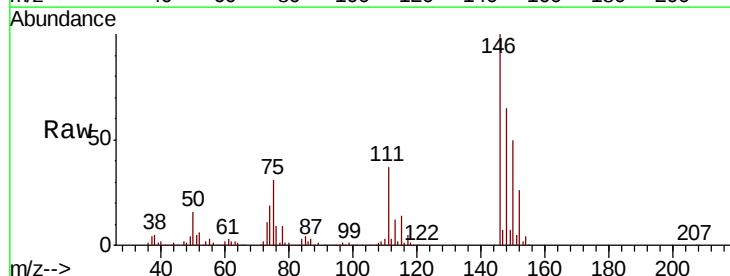
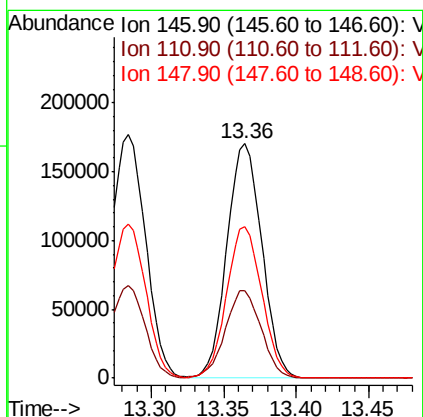
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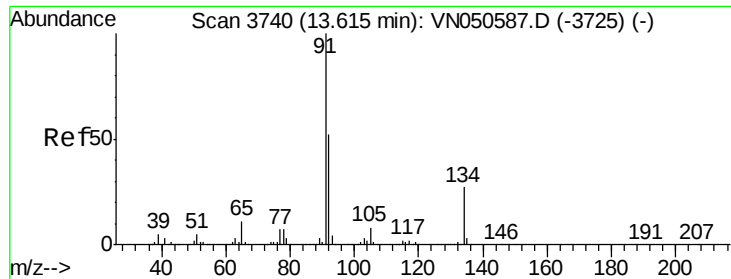
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#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion:	146	Resp:	285735
Ion Ratio	Lower	Upper	
146	100		
111	38.3	18.8	56.4
148	65.0	32.3	96.8





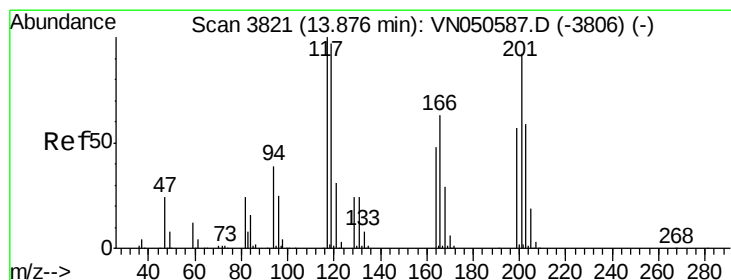
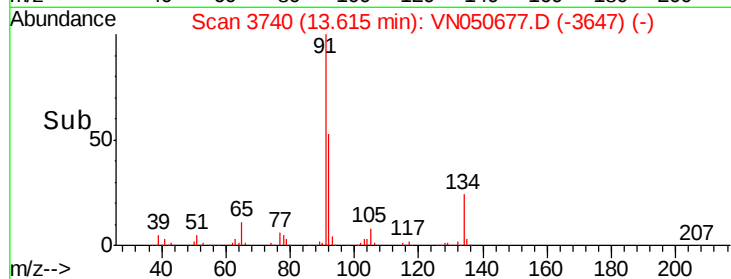
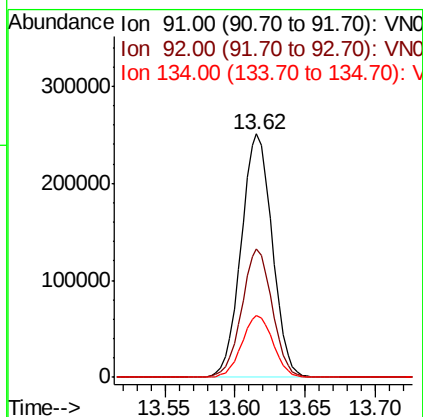
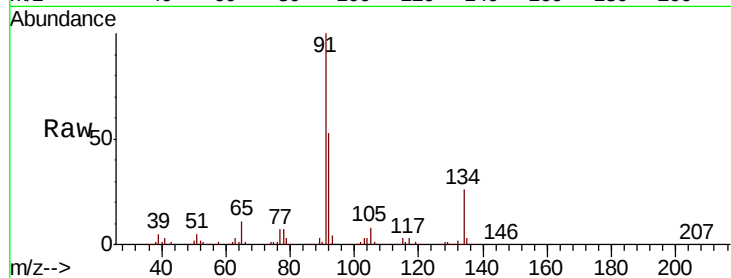
#89
n-Butylbenzene
Concen: 19.73 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.3	78.8
134	25.5	13.3	39.9

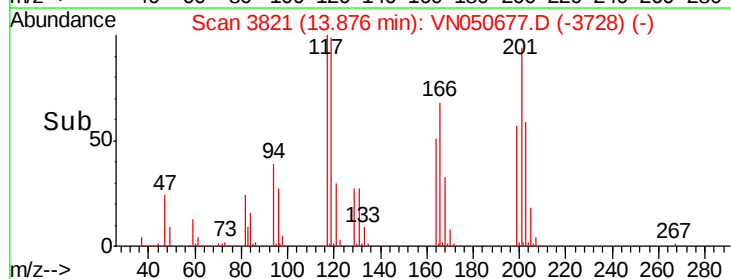
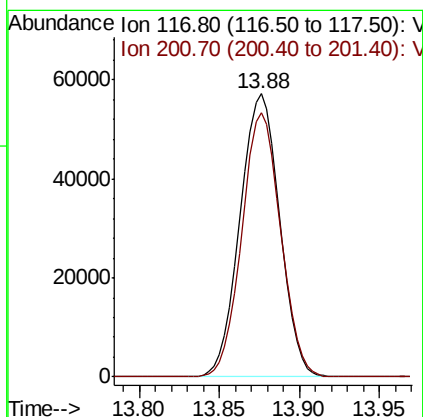
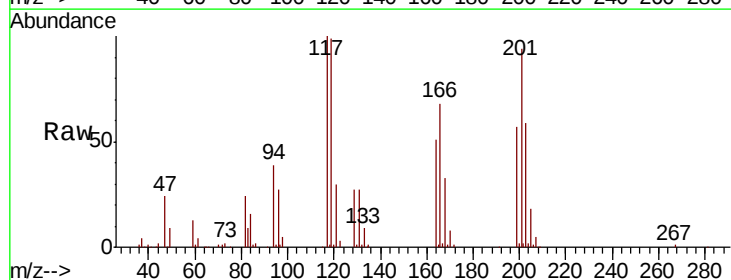
Manual Integrations
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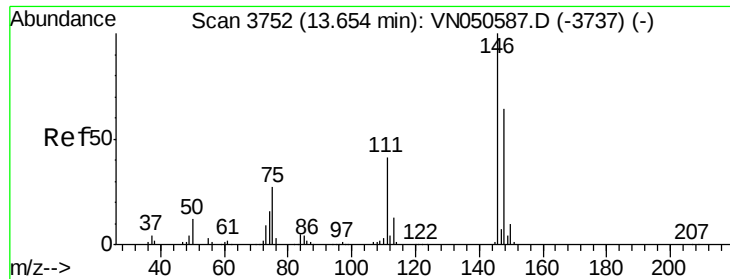
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#90
Hexachloroethane
Concen: 19.73 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050677.D
Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	45.5	136.5





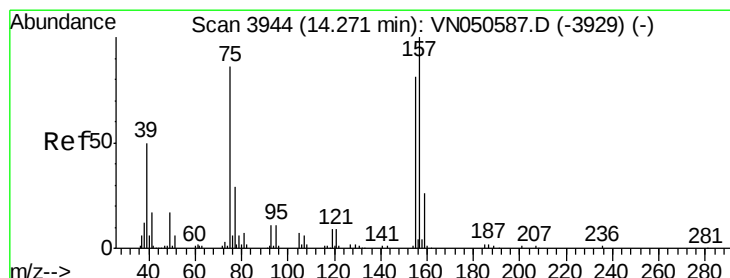
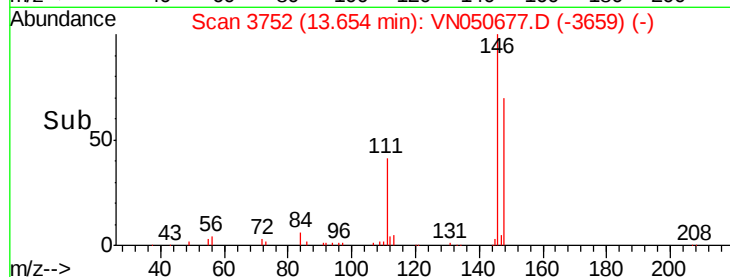
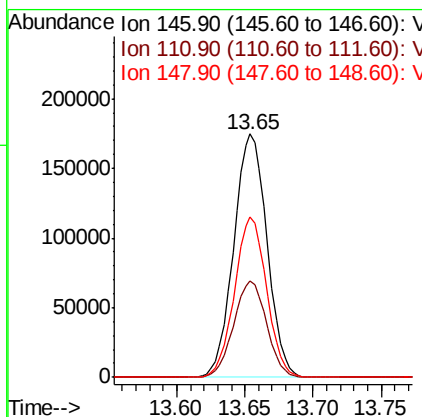
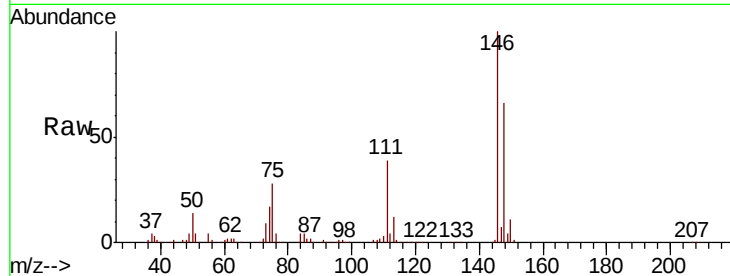
#91
 1,2-Dichlorobenzene
 Concen: 20.68 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	294852		
111	39.2	19.8	59.4	
148	63.6	32.3	96.8	

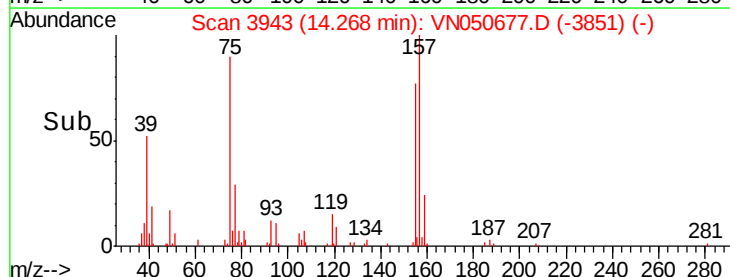
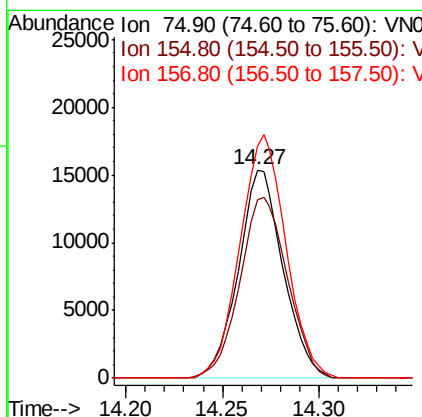
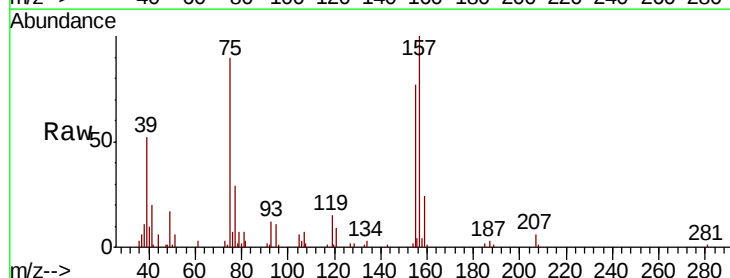
Manual Integrations
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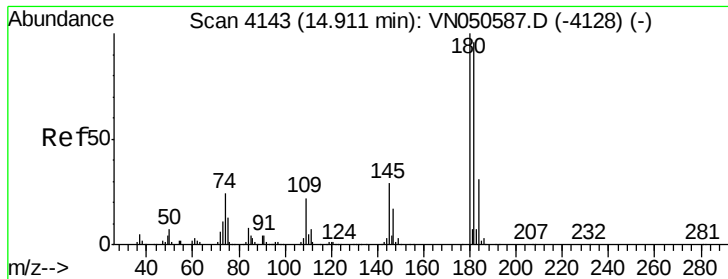
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.86 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24659		
155	92.3	46.6	139.8	
157	120.1	58.1	174.2	





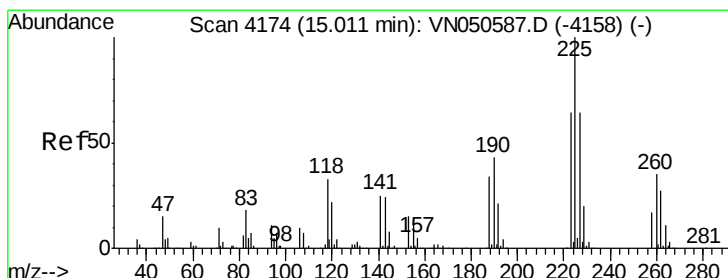
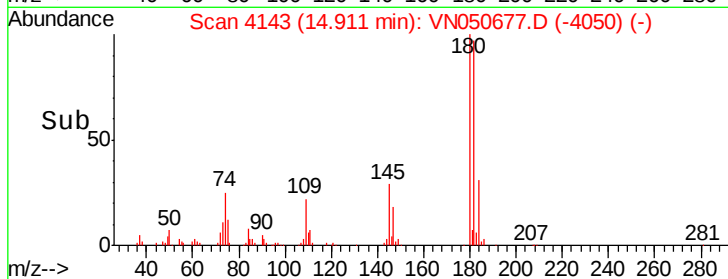
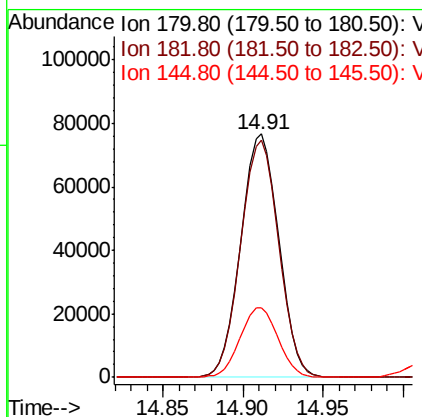
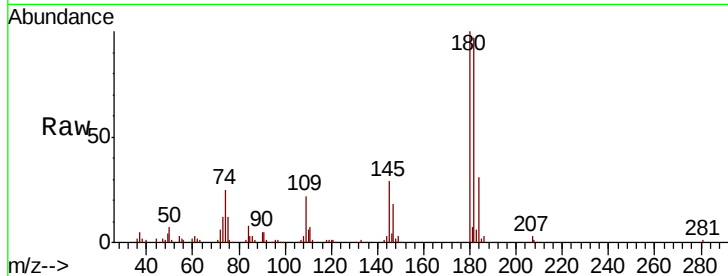
#93
 1,2,4-Trichlorobenzene
 Concen: 18.72 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	47.9	143.7	
145	28.5	14.4	43.4	

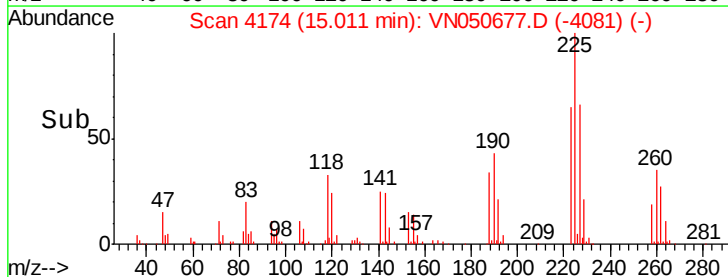
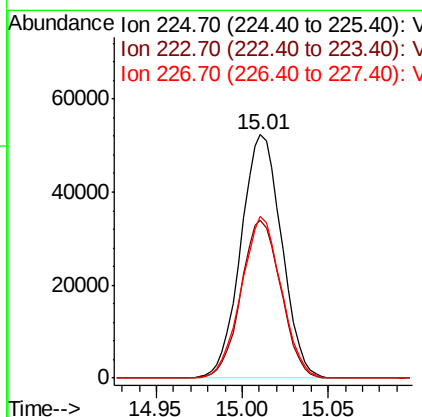
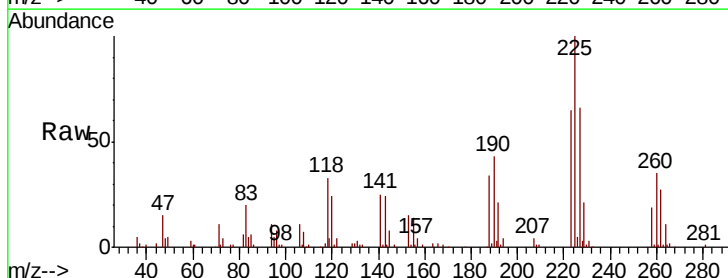
Manual Integrations
 APPROVED

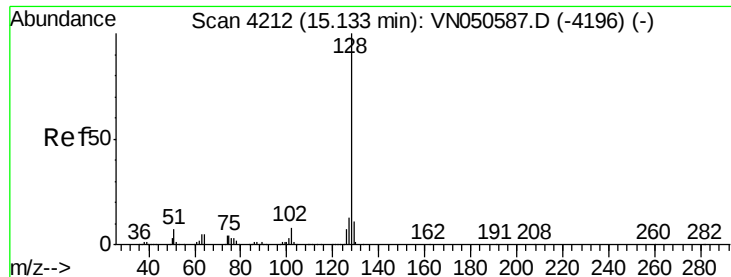
MMDadoda
 8/16/2018 1:19:17 PM



#94
 Hexachlorobutadiene
 Concen: 19.69 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050677.D
 Acq: 16 Aug 2018 1:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.4	32.1	96.3	
227	64.7	32.0	96.2	





#95

Naphthalene

Concen: 18.89 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Instrument :

MSVOA_N

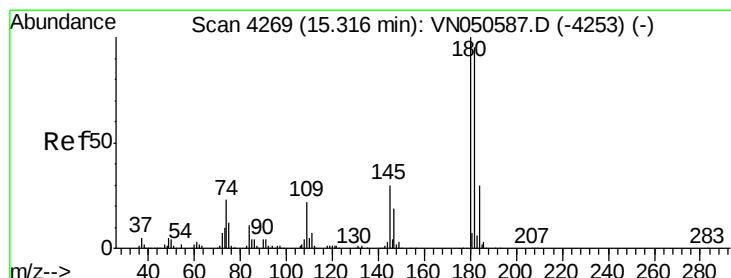
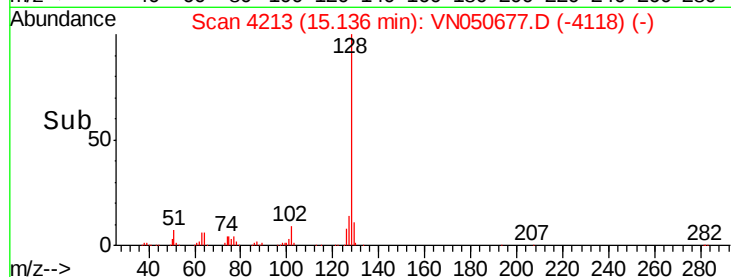
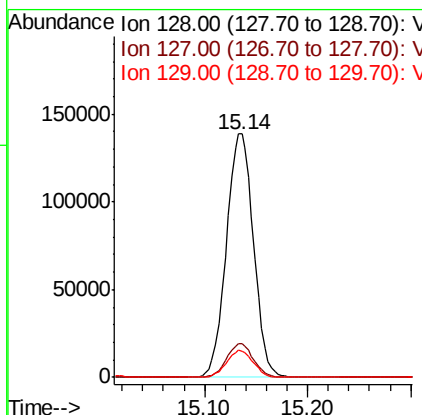
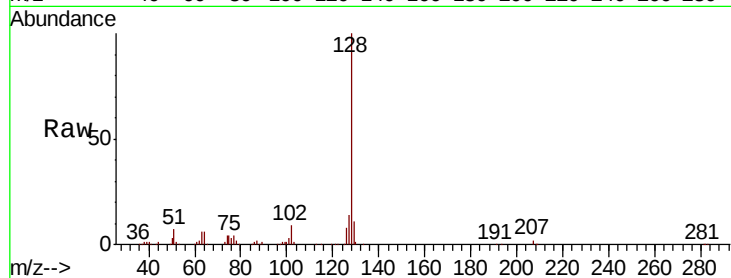
ClientSampleId :

VN0815WBSD03

Tot Ion:	128	Resp:	253580
Ion Ratio		Lower	Upper
128	100		
127	13.7	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:19:17 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.02 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050677.D

Acq: 16 Aug 2018 1:32

Tgt Ion:	180	Resp:	128550
Ion Ratio		Lower	Upper
180	100		
182	96.5	47.3	141.8
145	30.5	14.6	44.0

