

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:28 PM

Quant Time: Aug 16 02:00:22 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	611914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	888137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	807676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360663	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	336658	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	1266946	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.40	95	390206	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119830	17.37	ug/l	97
3) Chloromethane	2.06	50	153179	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	159801	17.44	ug/l	100
5) Bromomethane	2.57	94	90607	17.02	ug/l	97
6) Chloroethane	2.70	64	95129	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	206930	17.21	ug/l	100
8) Diethyl Ether	3.41	74	68480	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128983	17.74	ug/l	99
10) Methyl Iodide	3.95	142	85843	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	36282	86.15	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	115159	17.34	ug/l	95
13) Acrolein	3.61	56	14311	82.46	ug/l	98
14) Allyl chloride	4.33	41	179782	17.41	ug/l	100
15) Acrylonitrile	4.99	53	199564	86.27	ug/l	98
16) Acetone	3.82	43	184502	94.90	ug/l	97
17) Carbon Disulfide	4.05	76	355817	17.03	ug/l	99
18) Methyl Acetate	4.33	43	100581	17.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	295774	17.50	ug/l	97
20) Methylene Chloride	4.55	84	136332	17.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123719	17.19	ug/l	100
22) Diisopropyl ether	5.95	45	393036	18.56	ug/l	94
23) Vinyl Acetate	5.90	43	1227649	88.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	238429	17.40	ug/l	100
25) 2-Butanone	6.84	43	286196	90.50	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196947	21.47	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	139353	17.39	ug/l	98
28) Bromochloromethane	7.20	49	117095	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	143244	86.75	ug/l	100
30) Chloroform	7.37	83	241835	17.42	ug/l	99
31) Cyclohexane	7.66	56	209353	17.68	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	206915	17.70	ug/l	99
36) 1,1-Dichloropropene	7.80	75	180983	18.31	ug/l	99
37) Ethyl Acetate	6.94	43	101999	18.25	ug/l	97
38) Carbon Tetrachloride	7.77	117	182238	17.77	ug/l	99

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 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)
39) Methylcyclohexane	9.08	83	186506	18.22	ug/l	98
40) Benzene	8.04	78	550623	18.31	ug/l	99
41) Methacrylonitrile	7.18	41	49124	16.26	ug/l	89
42) 1,2-Dichloroethane	8.13	62	164613	17.86	ug/l	99
43) Isopropyl Acetate	8.17	43	175845	17.27	ug/l	99
44) Trichloroethene	8.84	130	144401	17.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144370	18.03	ug/l	100
46) Dibromomethane	9.21	93	83695	17.70	ug/l	97
47) Bromodichloromethane	9.40	83	176865	17.50	ug/l	99
48) Methyl methacrylate	9.20	41	88596	17.29	ug/l	98
49) 1,4-Dioxane	9.20	88	23984	355.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	626181	90.91	ug/l	100
52) Toluene	10.16	92	336123	18.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168682	17.92	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199062	18.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	120558	17.97	ug/l	99
56) Ethyl methacrylate	10.43	69	135824	17.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197401	17.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	374164	97.89	ug/l	100
59) 2-Hexanone	10.75	43	410163	92.26	ug/l	99
60) Dibromochloromethane	10.90	129	133822	18.07	ug/l	98
61) 1,2-Dibromoethane	11.01	107	115607	18.09	ug/l	99
64) Tetrachloroethene	10.63	164	133879	17.85	ug/l	99
65) Chlorobenzene	11.43	112	358083	17.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135082	17.93	ug/l	100
67) Ethyl Benzene	11.51	91	586851	18.08	ug/l	99
68) m/p-Xylenes	11.62	106	460740	37.12	ug/l	99
69) o-Xylene	11.95	106	213913	18.07	ug/l	98
70) Styrene	11.96	104	345079	17.02	ug/l	100
71) Bromoform	12.13	173	88739	17.76	ug/l #	98
73) Isopropylbenzene	12.25	105	569348	19.01	ug/l	100
74) N-amyl acetate	12.07	43	135008	17.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143964	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112951m	17.57	ug/l	
77) Bromobenzene	12.53	156	145929	17.94	ug/l	99
78) n-propylbenzene	12.59	91	646671	19.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	390591	18.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	468671	19.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32741	18.99	ug/l	97
82) 4-Chlorotoluene	12.77	91	385454	18.73	ug/l	99
83) tert-Butylbenzene	12.99	119	388360	18.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	474448	19.71	ug/l	99
85) sec-Butylbenzene	13.17	105	523855	19.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	445014	19.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	248346	17.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241134	17.55	ug/l	99
89) n-Butylbenzene	13.62	91	335809	18.04	ug/l	98
90) Hexachloroethane	13.88	117	83939	18.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240584	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18811	17.60	ug/l	99

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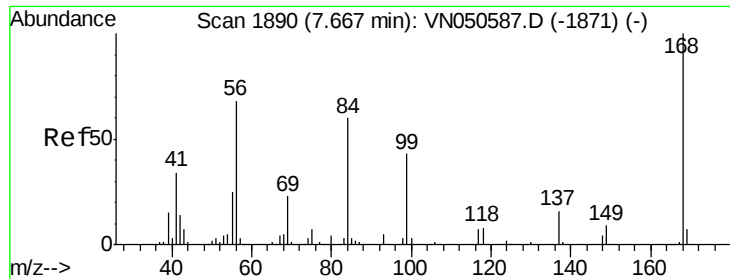
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98439	16.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	76813	18.55	ug/l	97
95) Naphthalene	15.13	128	178839	15.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96158	16.21	ug/l	96

(#) = 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: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion:168 Resp: 611914

Ion Ratio Lower Upper

168 100

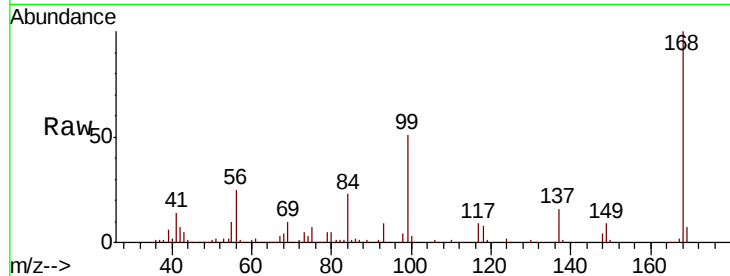
99 50.8 40.8 61.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

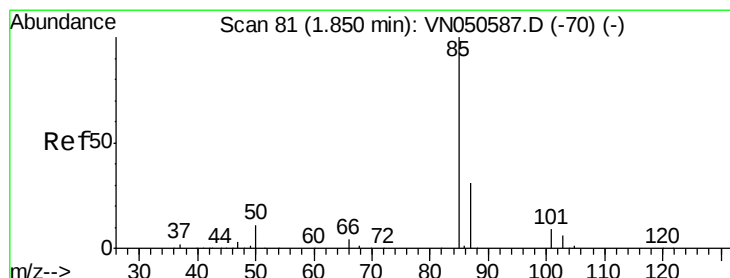
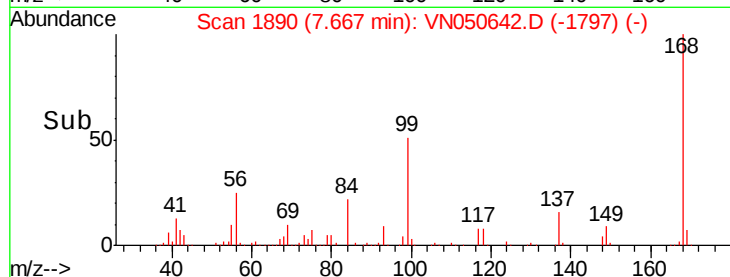
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.37 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050642.D

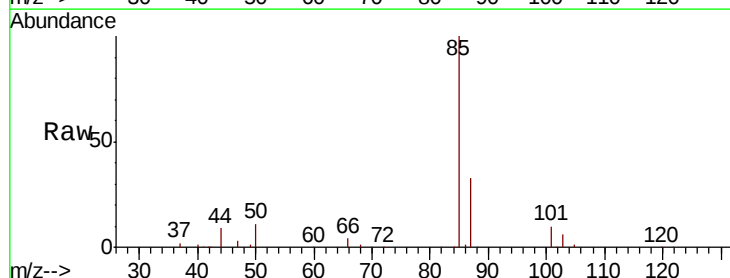
Acq: 15 Aug 2018 9:52

Tgt Ion: 85 Resp: 119830

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

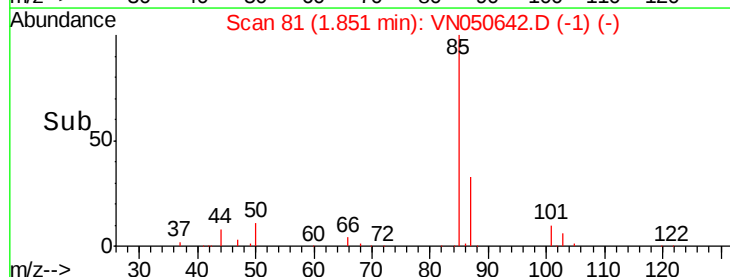
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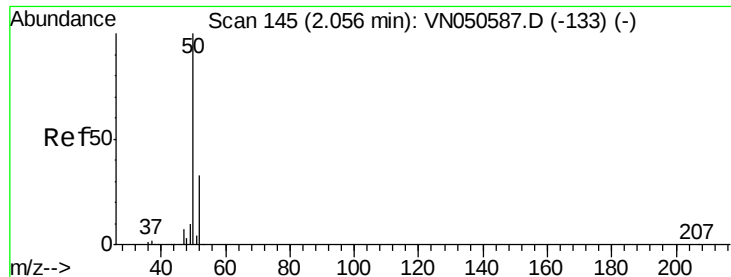
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.90 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 50 Resp: 153179

Ion Ratio Lower Upper

50 100

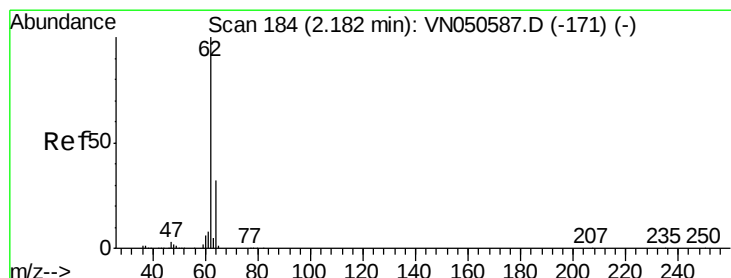
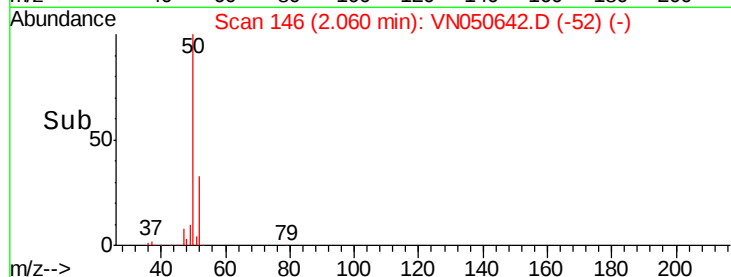
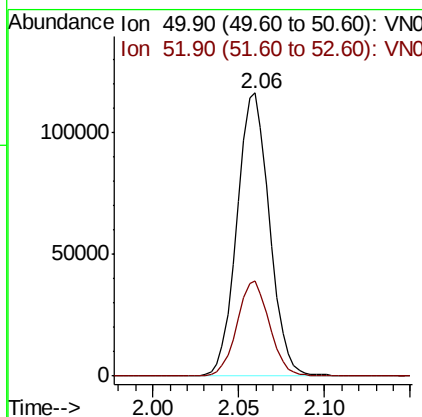
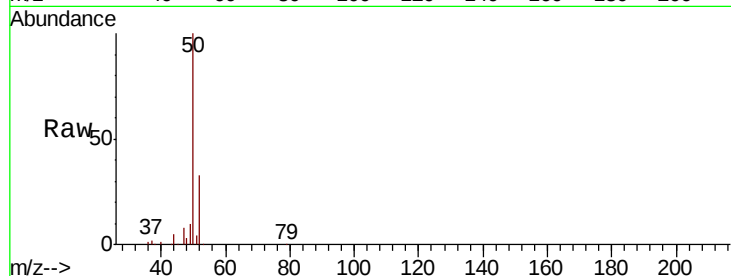
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.44 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050642.D

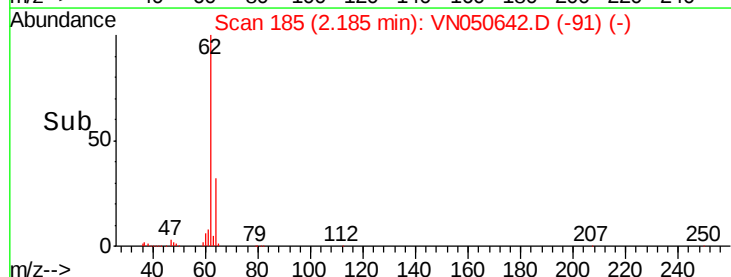
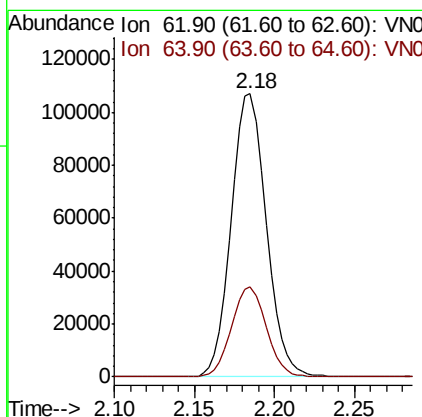
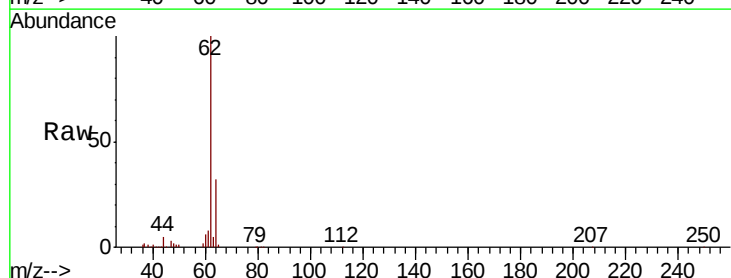
Acq: 15 Aug 2018 9:52

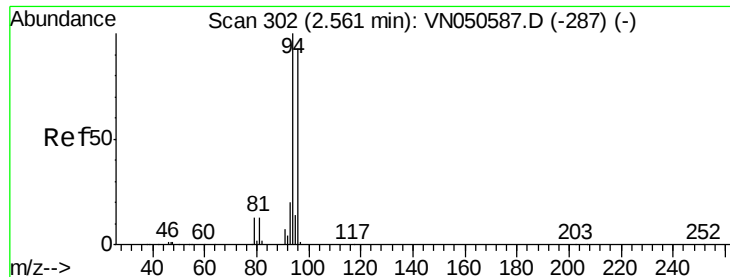
Tgt Ion: 62 Resp: 159801

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 17.02 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 94 Resp: 90607

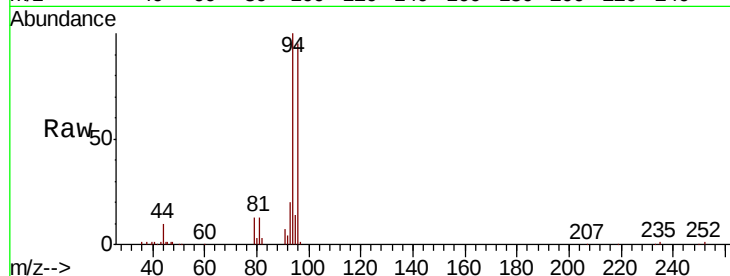
Ion Ratio Lower Upper

94 100

96 95.4 74.0 111.0

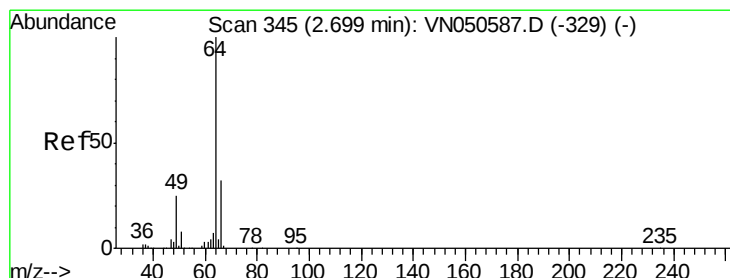
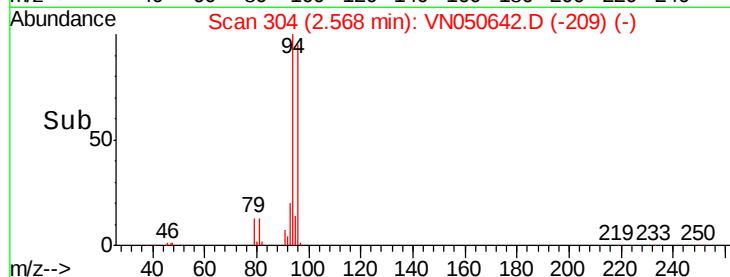
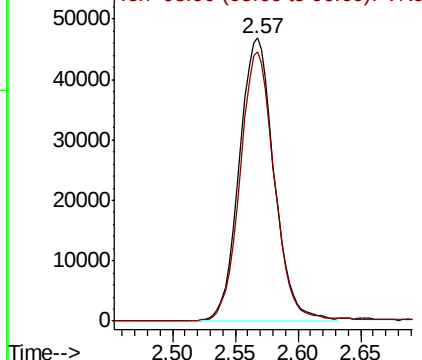
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.65 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050642.D

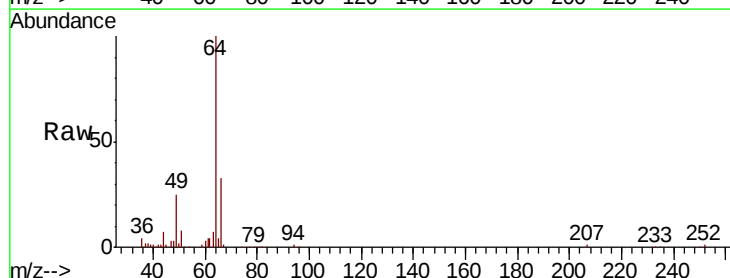
Acq: 15 Aug 2018 9:52

Tgt Ion: 64 Resp: 95129

Ion Ratio Lower Upper

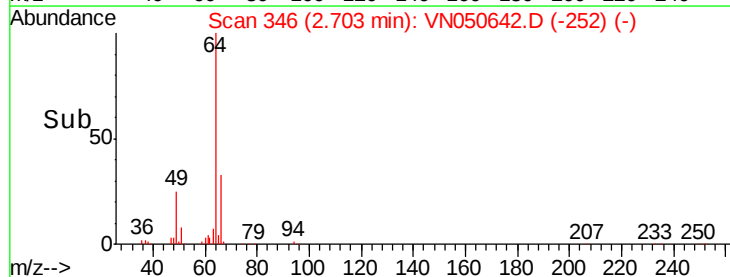
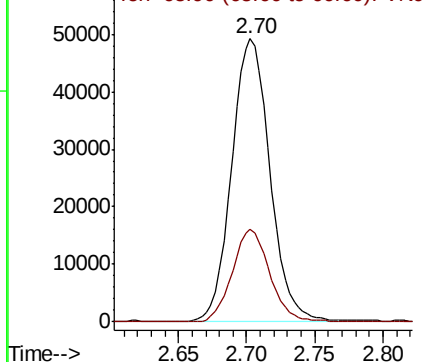
64 100

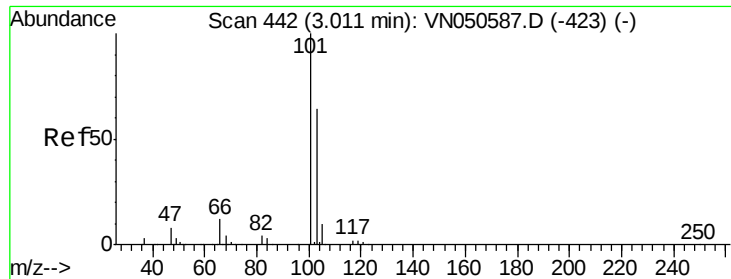
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

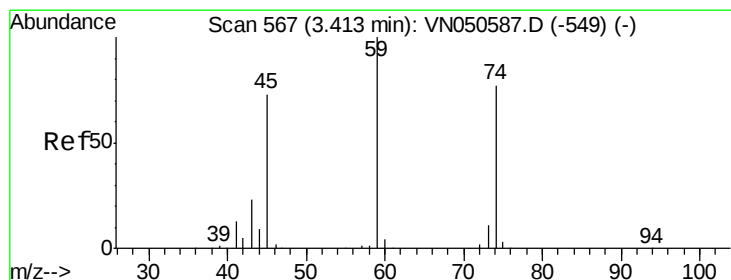
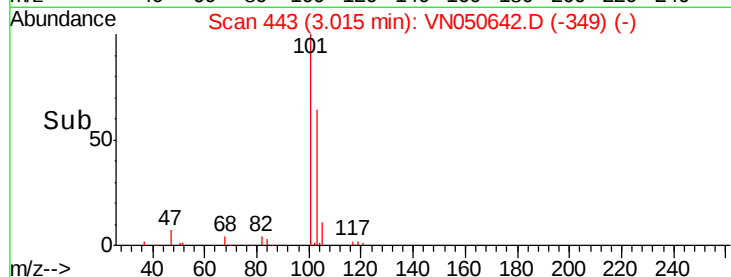
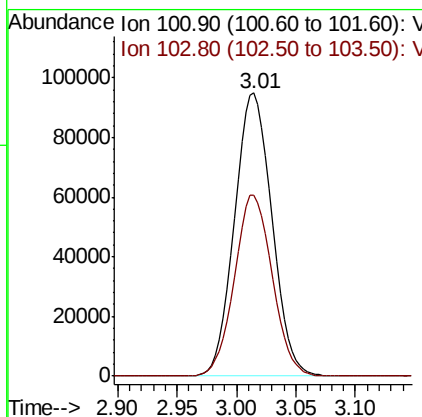
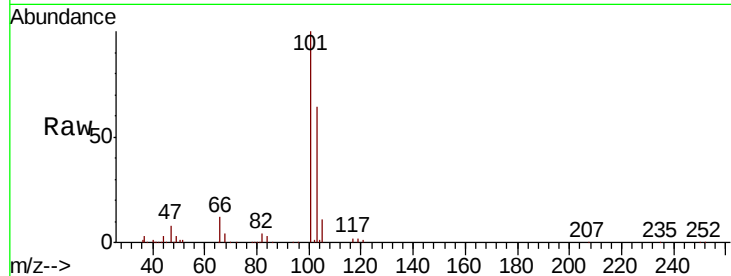
Trichlorofluoromethane
 Concen: 17.21 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.0

Manual Integrations
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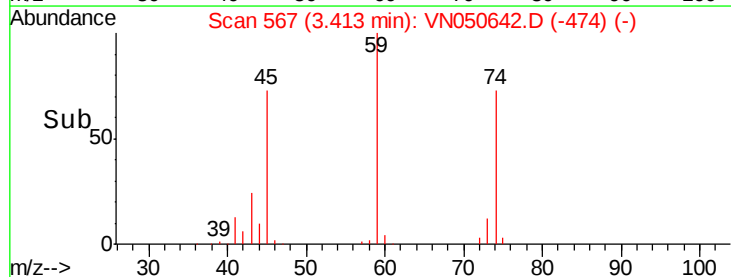
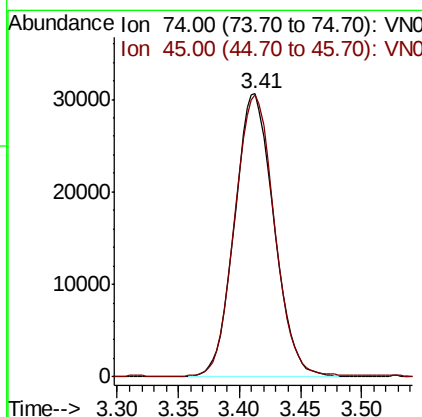
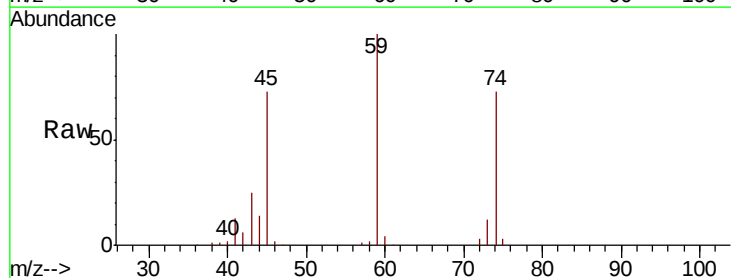
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 8/16/2018 1:18:28 PM

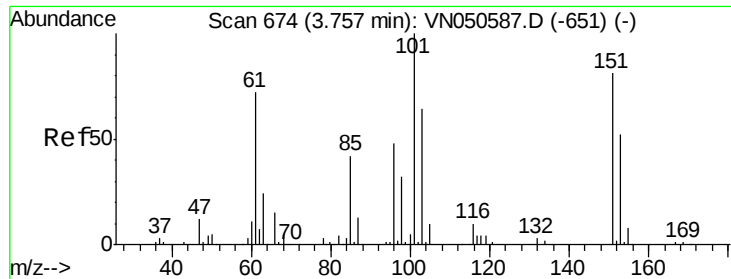


#8

Diethyl Ether
 Concen: 17.12 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	48.0	144.2





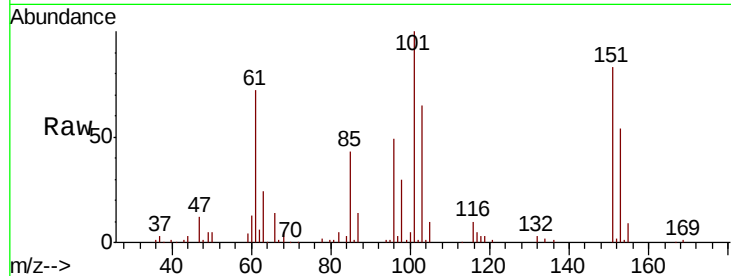
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.74 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	128983		
85	42.8	33.4	50.0	
151	83.7	66.6	100.0	

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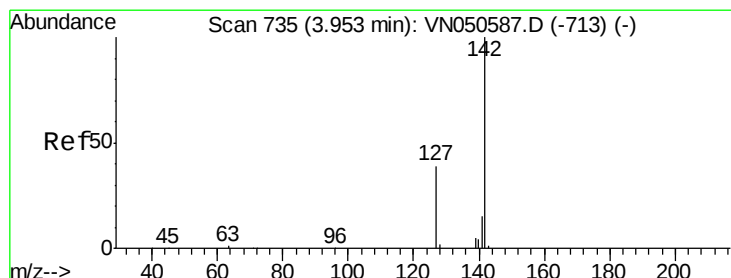
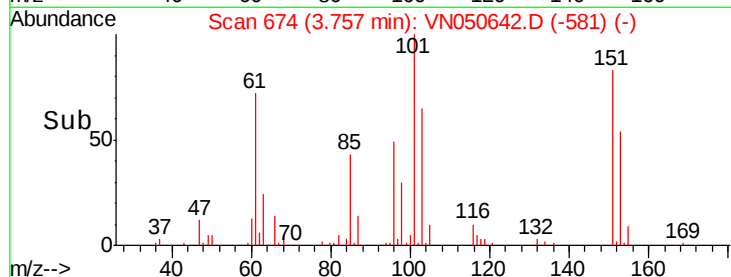
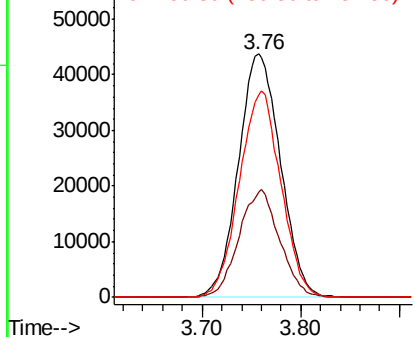


Abundance

Ion 100.90 (100.60 to 101.60): V

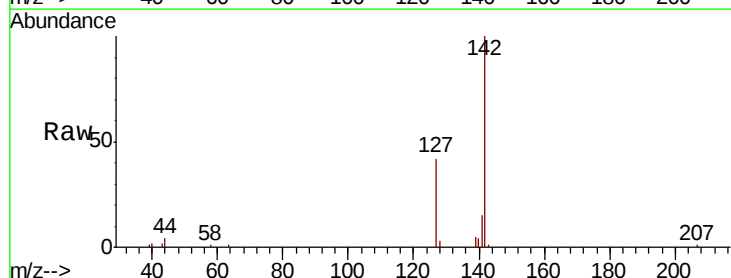
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
 Methyl Iodide
 Concen: 21.25 ug/l
 RT: 3.95 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	85843		
127	41.3	32.6	49.0	
141	14.6	11.5	17.3	

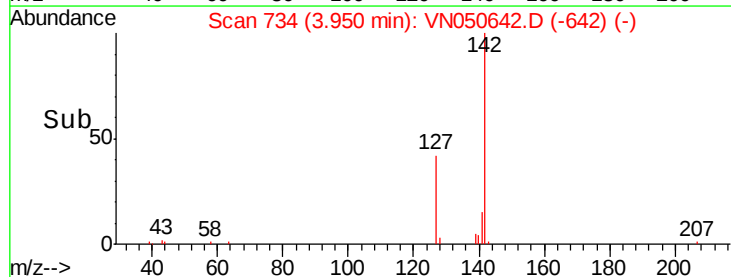
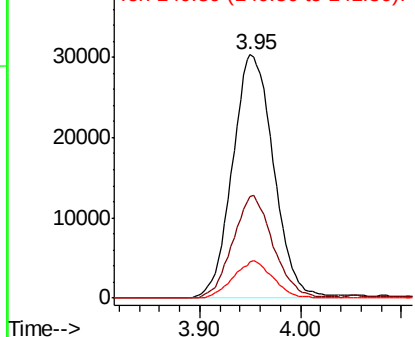


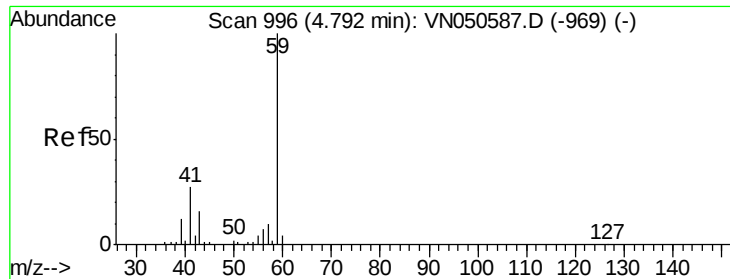
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





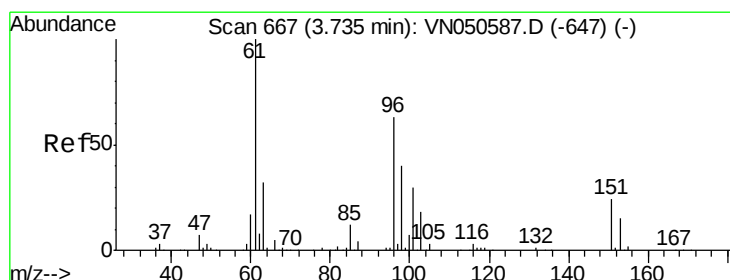
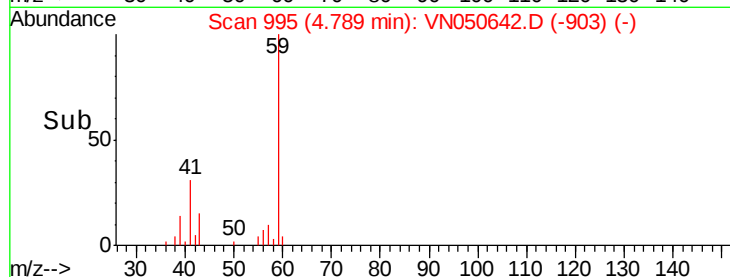
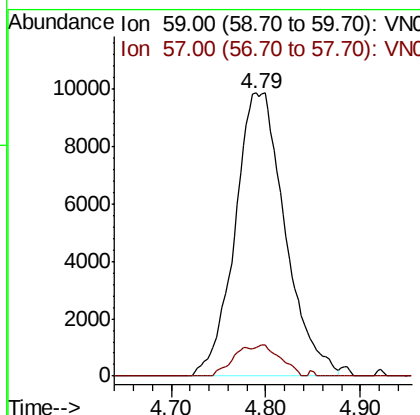
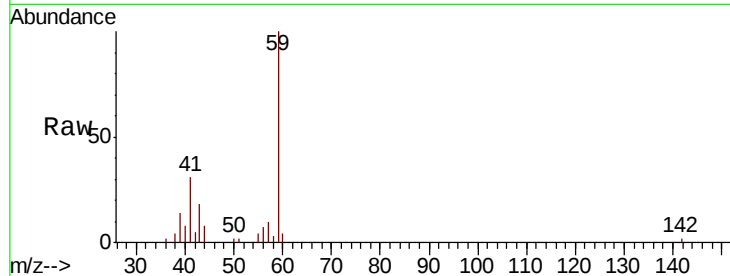
#11
Tert butyl alcohol
Concen: 86.15 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

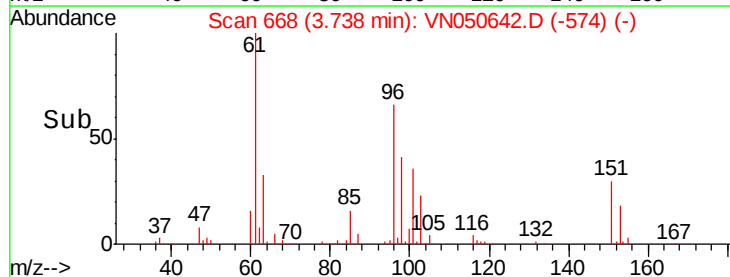
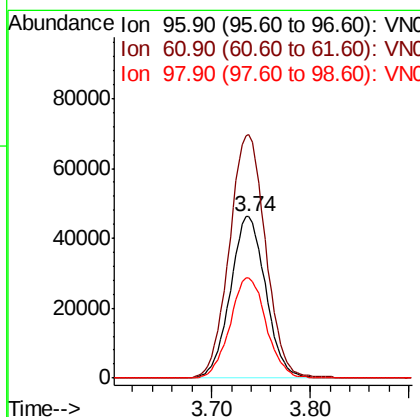
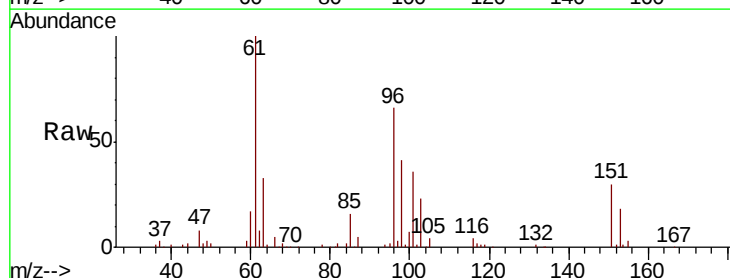
Manual Integrations
APPROVED

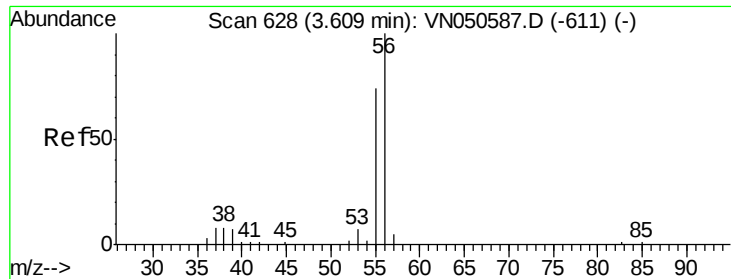
MMDadoda
8/16/2018 1:18:28 PM



#12
1,1-Dichloroethene
Concen: 17.34 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	126.9	190.3
98	62.2	51.1	76.7





#13

Acrolein

Concen: 82.46 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 56 Resp: 14311

Ion Ratio Lower Upper

56 100

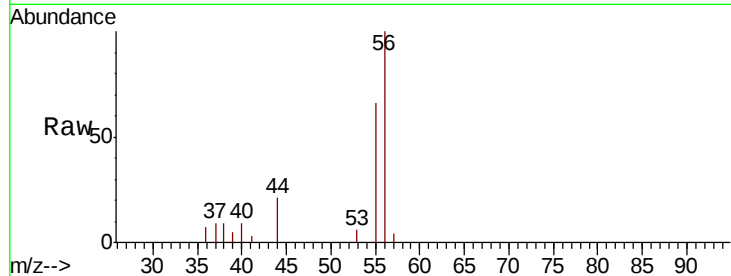
55 69.2 56.3 84.5

Manual Integrations

APPROVED

MMDadoda

8/16/2018 1:18:28 PM



Abundance Ion 56.00 (55.70 to 56.70): VN050587.D (-611) (-)

Ion 55.00 (54.70 to 55.70): VN050587.D (-611) (-)

3.61

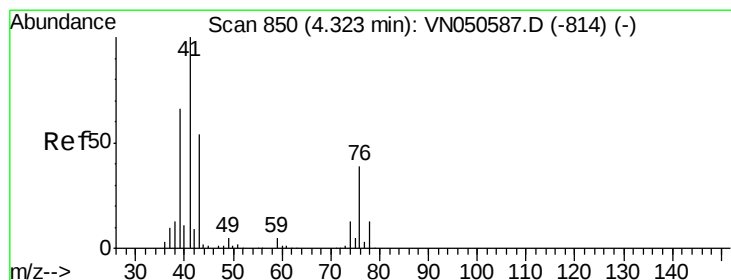
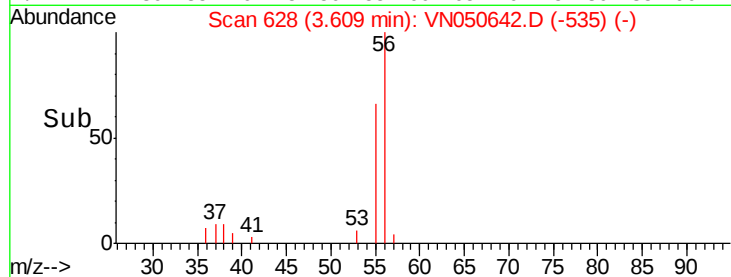
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 17.41 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

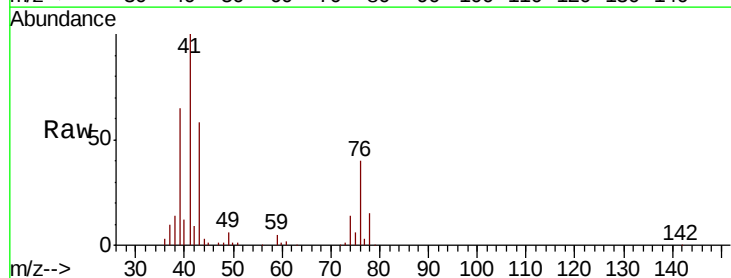
Tgt Ion: 41 Resp: 179782

Ion Ratio Lower Upper

41 100

39 63.9 51.4 77.0

76 36.3 29.4 44.0



Abundance Ion 41.00 (40.70 to 41.70): VN050587.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VN050587.D (-814) (-)

Ion 75.90 (75.60 to 76.60): VN050587.D (-814) (-)

4.33

80000

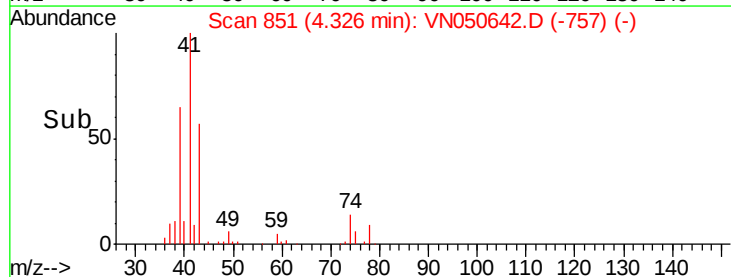
60000

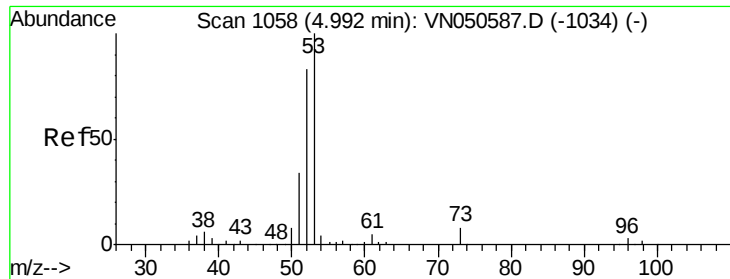
40000

20000

0

Time-->





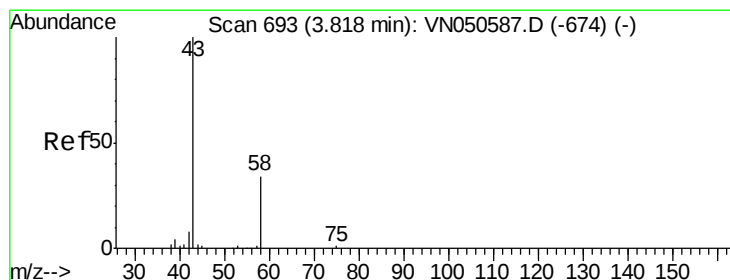
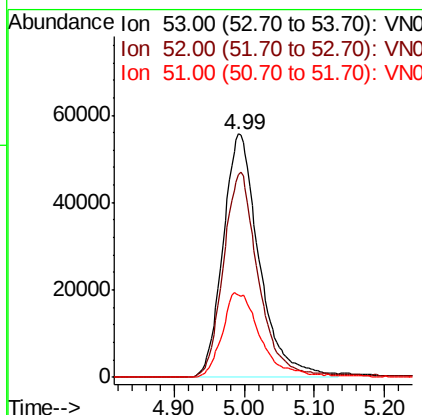
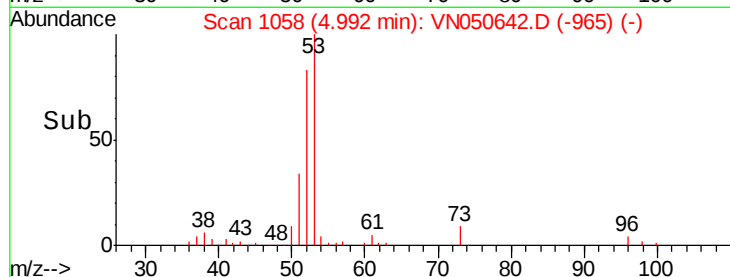
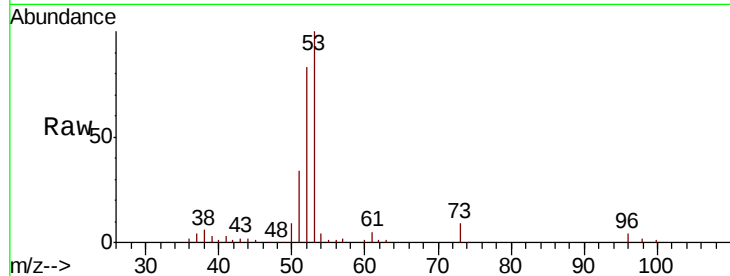
#15
 Acrylonitrile
 Concen: 86.27 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.2	99.2
51	36.9	28.6	43.0

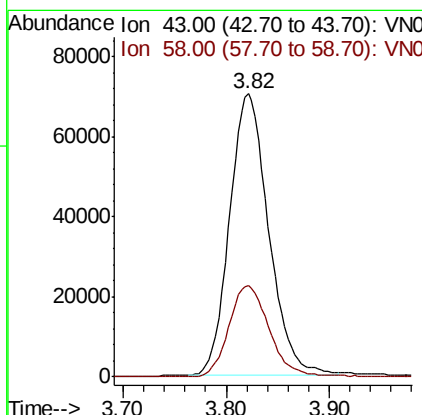
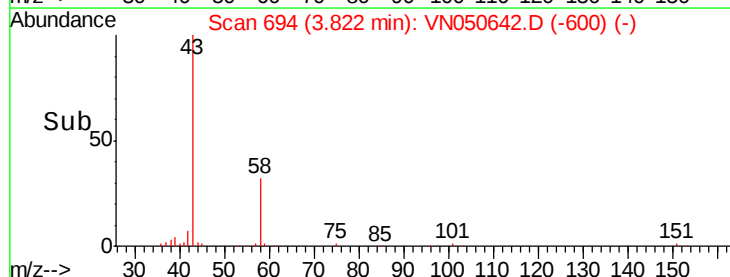
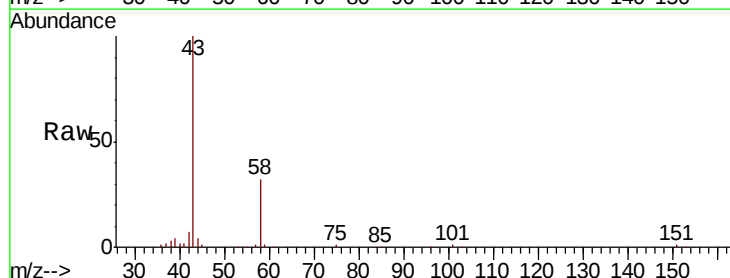
Manual Integrations
 APPROVED

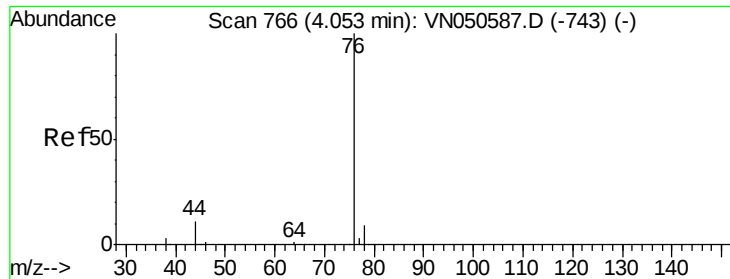
MMDadoda
 8/16/2018 1:18:28 PM



#16
 Acetone
 Concen: 94.90 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	27.1	40.7





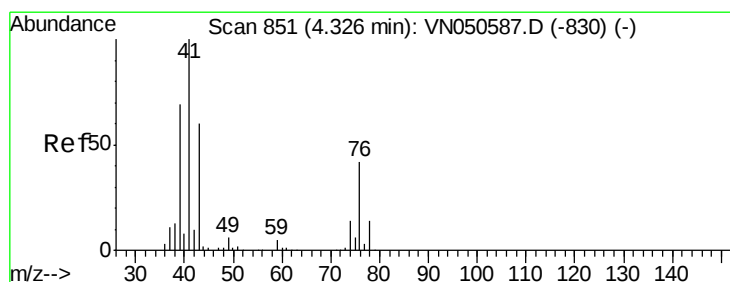
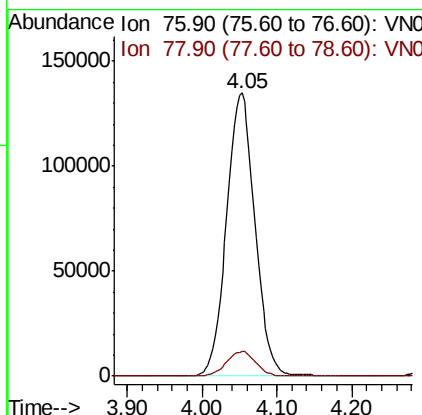
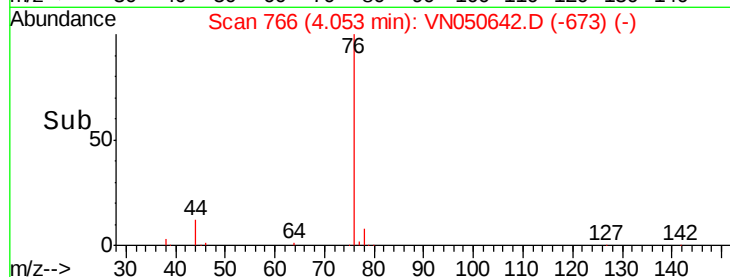
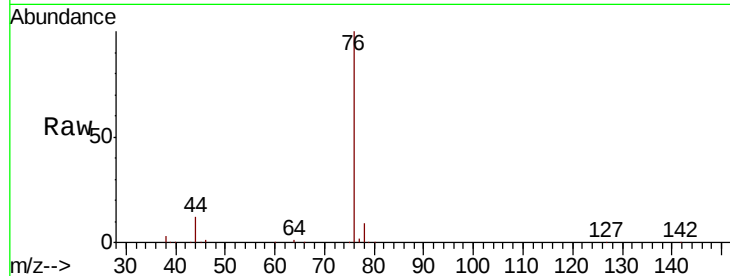
#17
Carbon Disulfide
Concen: 17.03 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.3	10.9

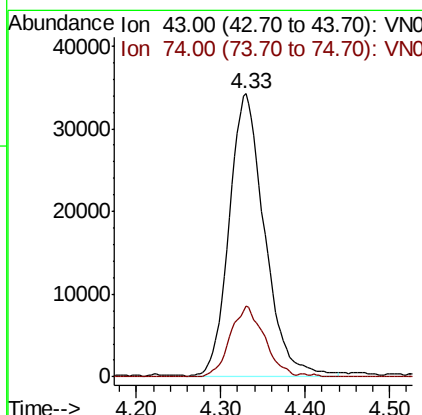
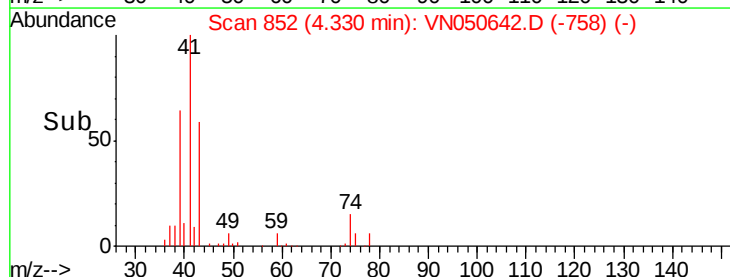
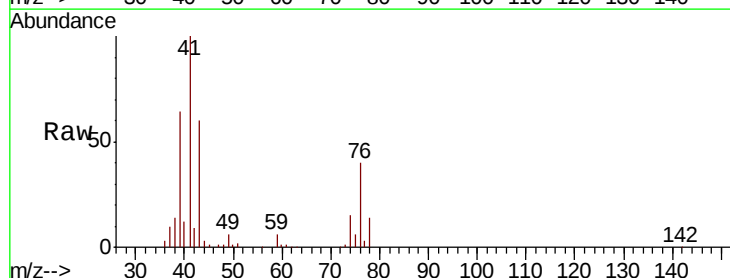
Manual Integrations
APPROVED

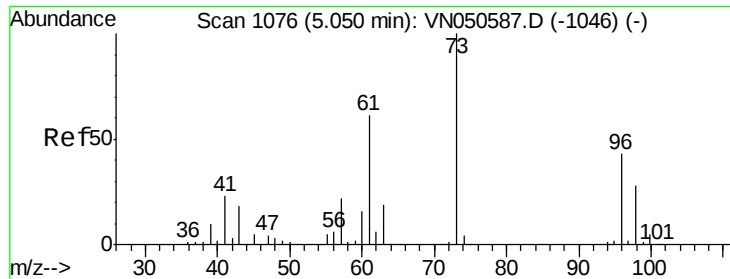
MMDadoda
8/16/2018 1:18:28 PM



#18
Methyl Acetate
Concen: 17.93 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.7	29.5





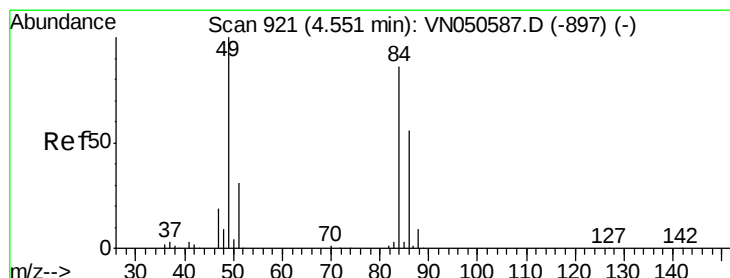
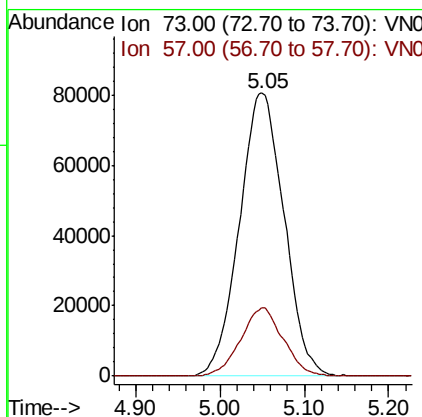
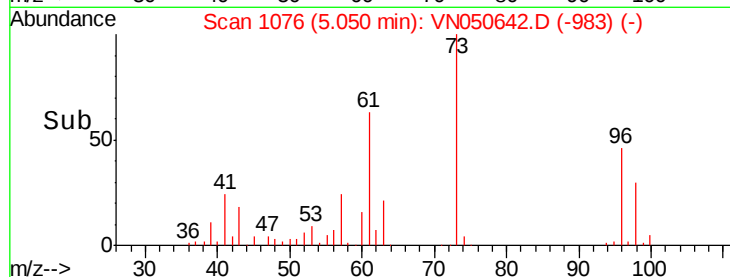
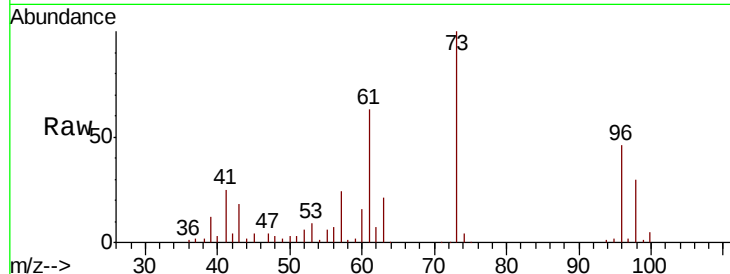
#19
Methyl tert-butyl Ether
Concen: 17.50 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.1	17.9	26.9

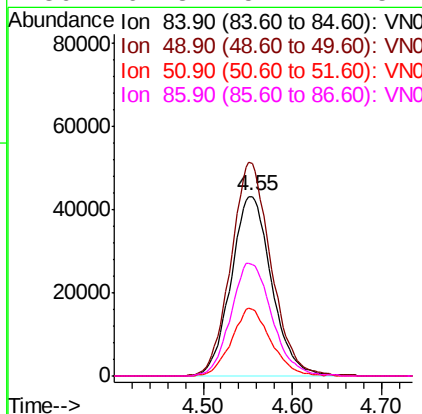
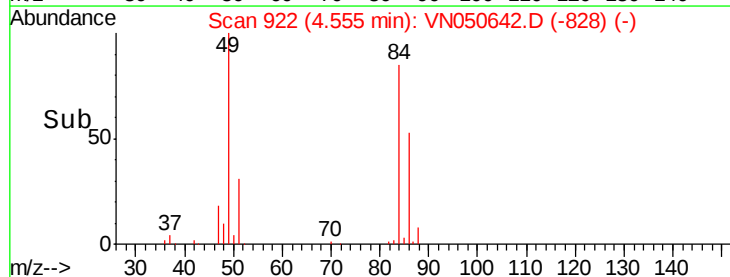
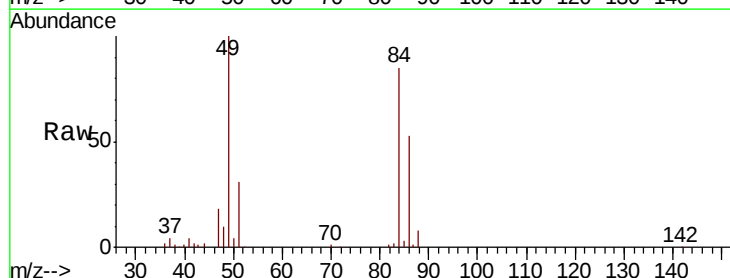
Manual Integrations
APPROVED

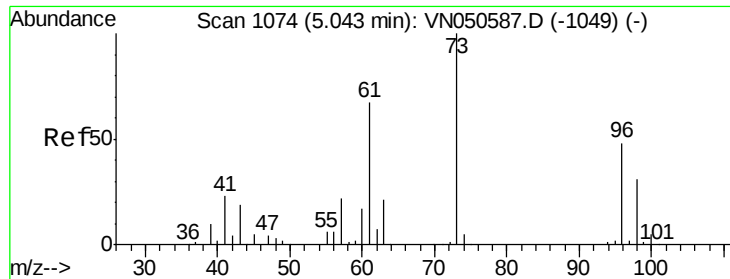
MMDadoda
8/16/2018 1:18:28 PM



#20
Methylene Chloride
Concen: 17.78 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	92.6	138.8
51	37.1	28.6	43.0
86	62.3	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 17.19 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

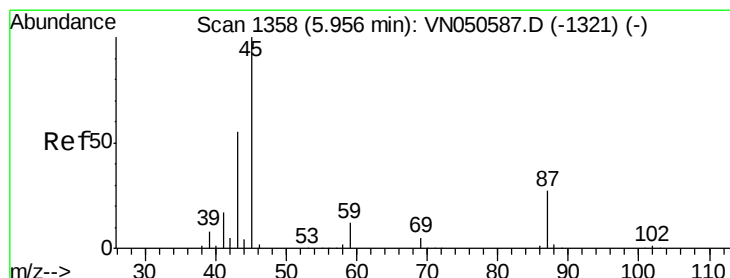
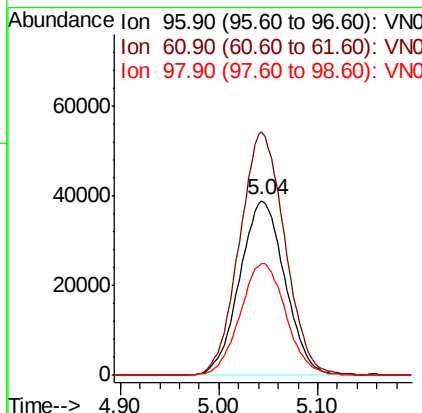
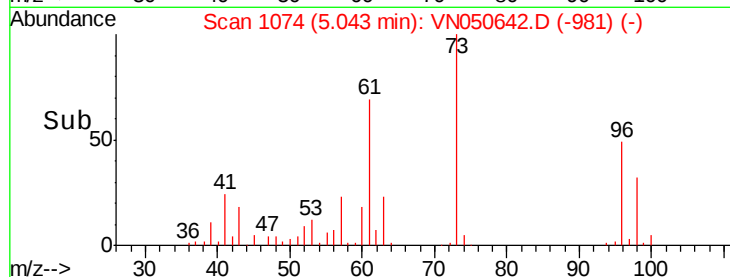
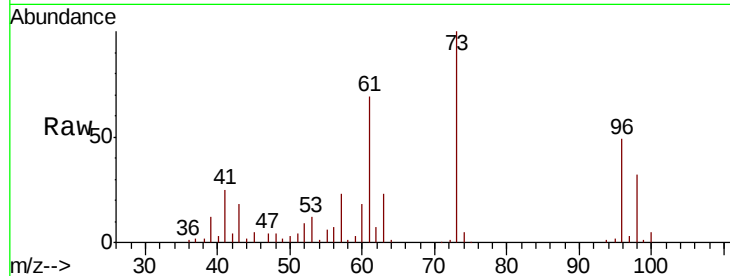
ClientSampleId :

VN0815WBS01

Tot Ion:	96	Resp:	123719
Ion	Ratio	Lower	Upper
96	100		
61	139.3	111.2	166.8
98	64.0	51.6	77.4

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:18:28 PM



#22

Diisopropyl ether

Concen: 18.56 ug/l

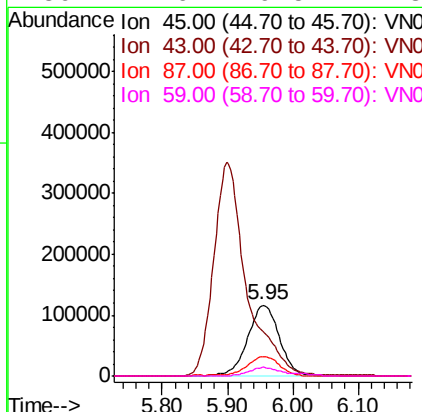
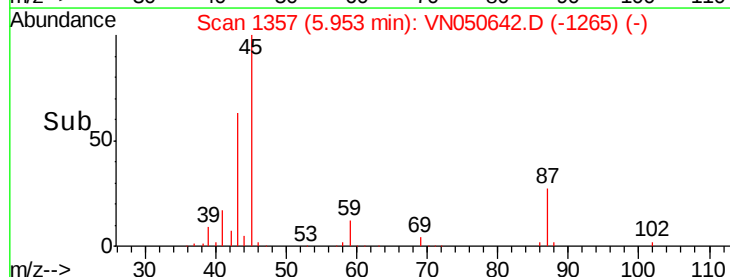
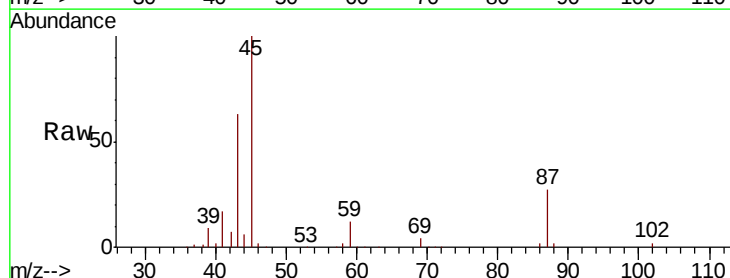
RT: 5.95 min Scan# 1357

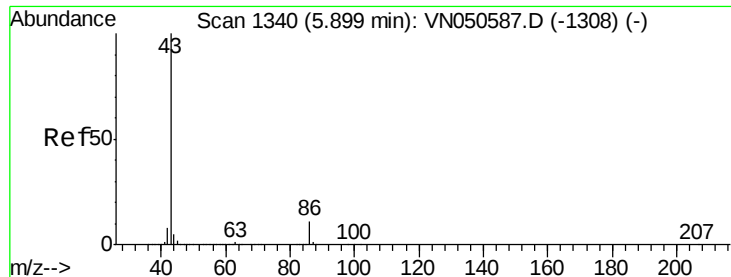
Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion:	45	Resp:	393036
Ion	Ratio	Lower	Upper
45	100		
43	61.7	44.5	66.7
87	26.6	22.2	33.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 88.63 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 43 Resp: 1227649

Ion Ratio Lower Upper

43 100

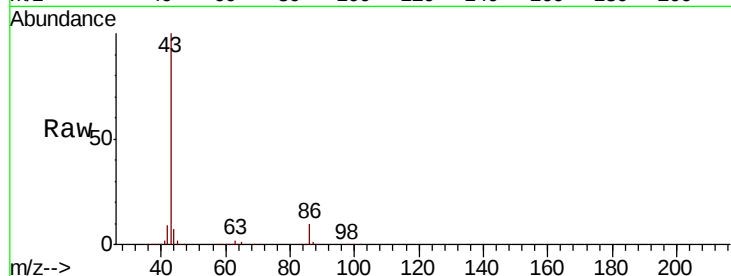
86 10.4 8.4 12.6

Manual Integrations

APPROVED

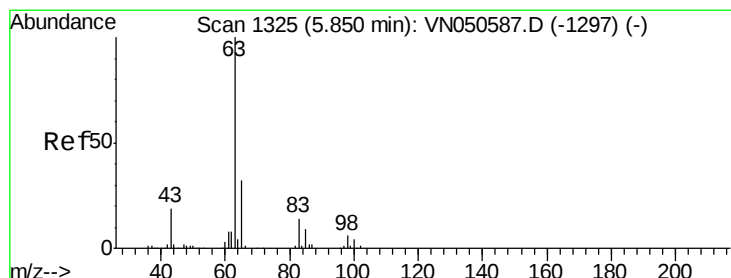
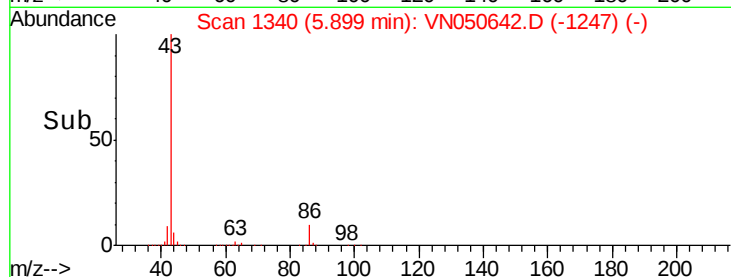
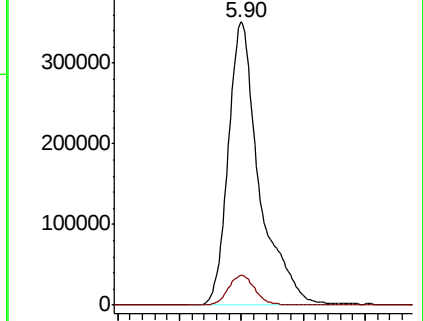
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.40 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

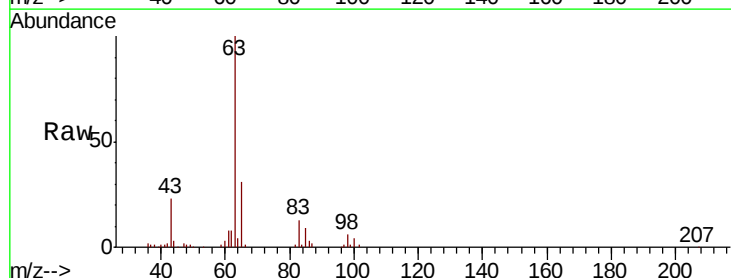
Tgt Ion: 63 Resp: 238429

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

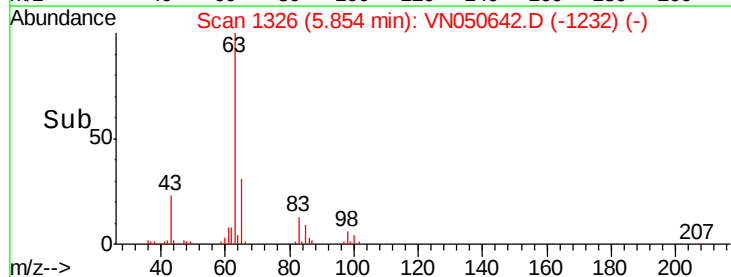
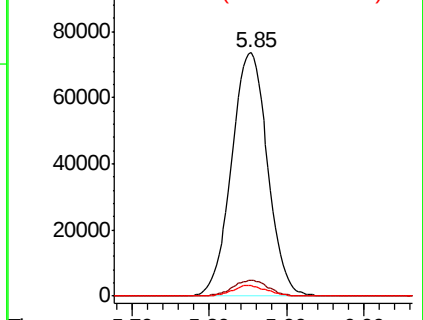
100 4.2 2.1 6.5

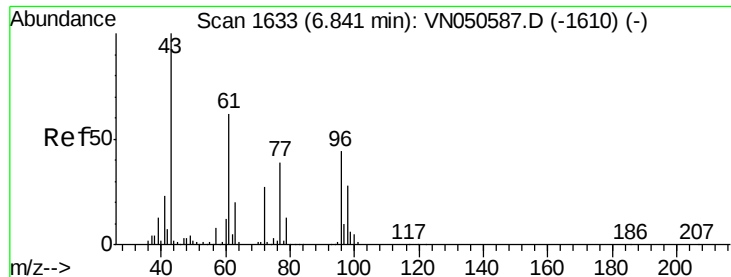


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





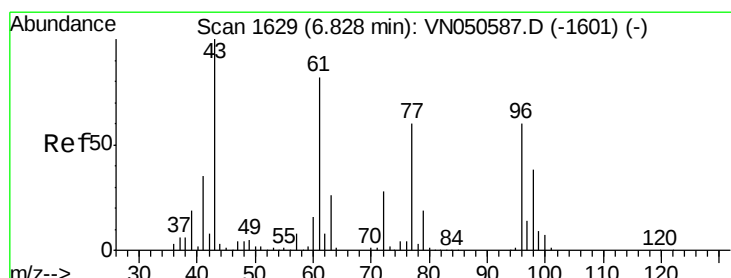
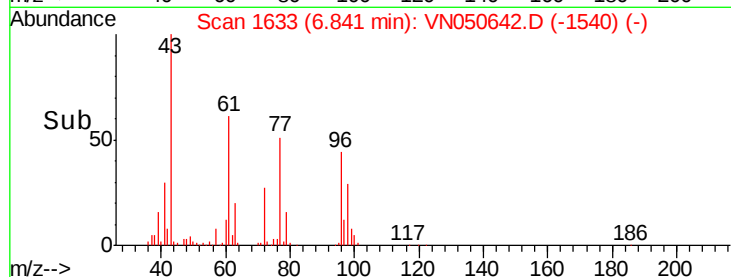
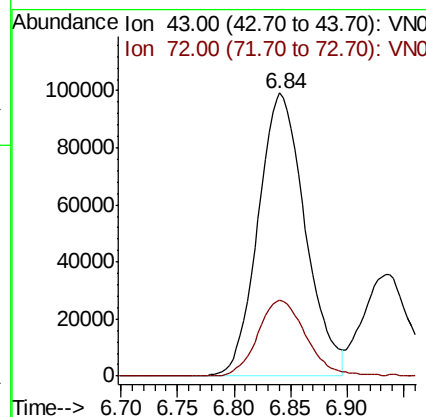
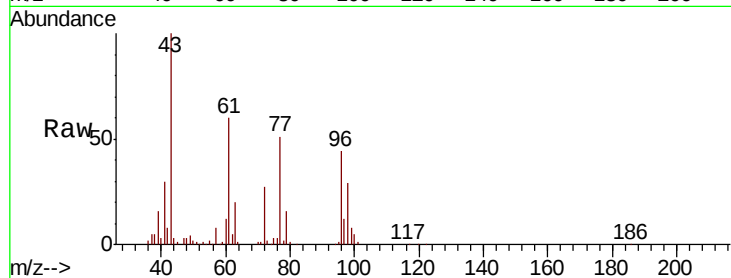
#25
2-Butanone
Concen: 90.50 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion: 43 Resp: 286196
Ion Ratio Lower Upper
43 100
72 26.8 21.8 32.6

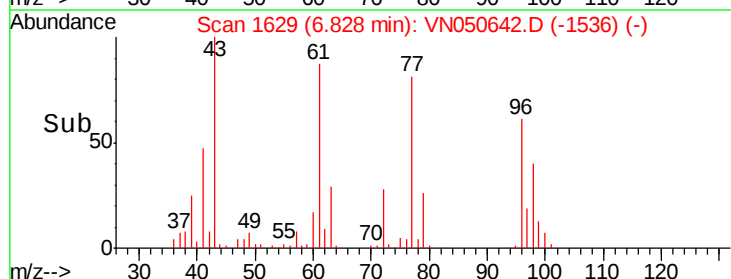
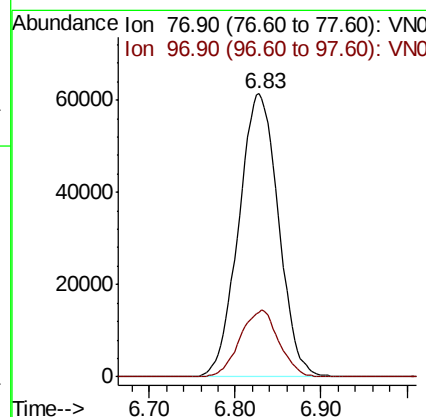
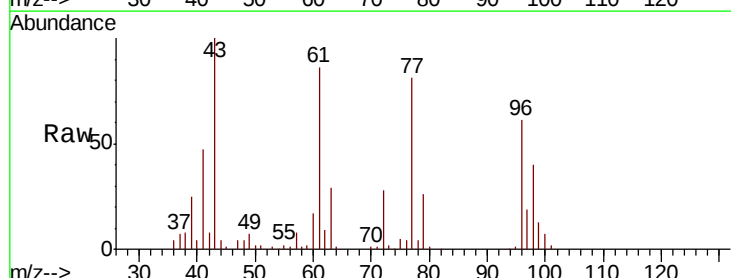
Manual Integrations
APPROVED

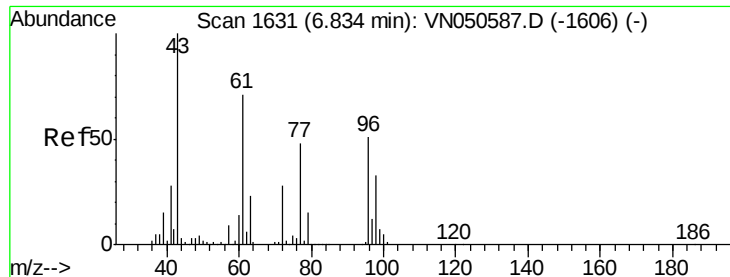
MMDadoda
8/16/2018 1:18:28 PM



#26
2,2-Dichloropropane
Concen: 21.47 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 77 Resp: 196947
Ion Ratio Lower Upper
77 100
97 23.0 12.2 36.4





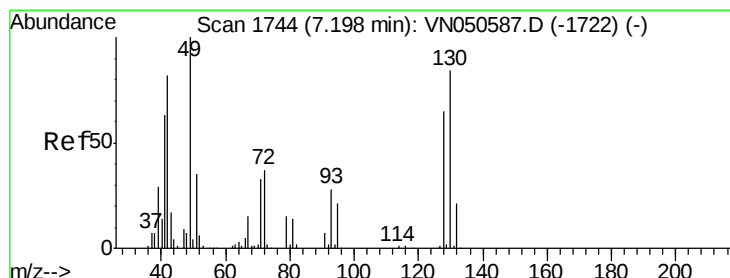
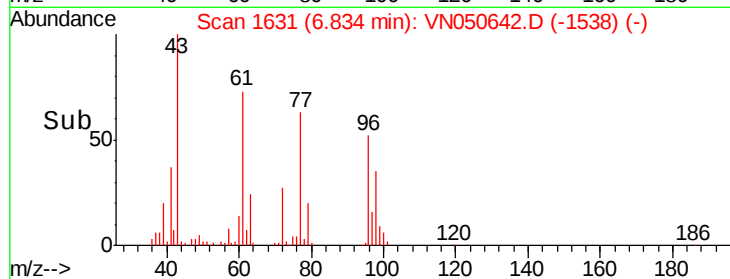
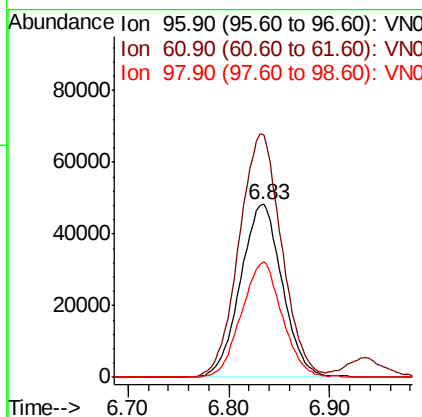
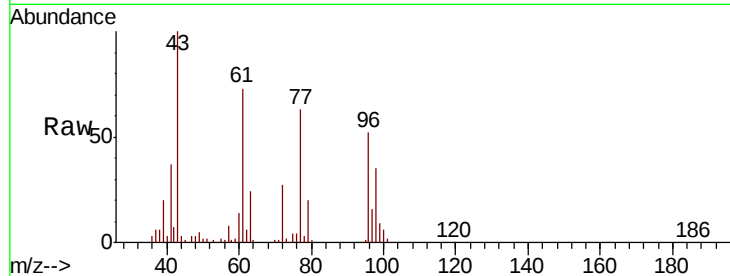
#27
 cis-1,2-Dichloroethene
 Concen: 17.39 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139353		
61	142.9	0.0	278.2	
98	64.6	0.0	128.8	

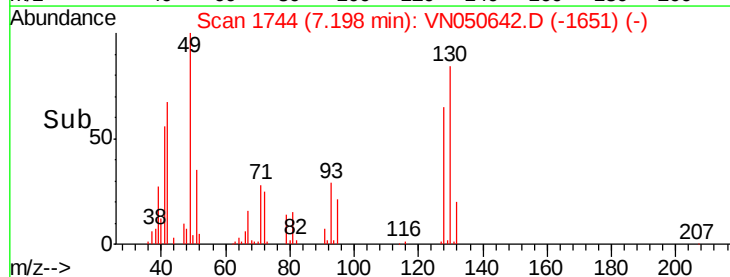
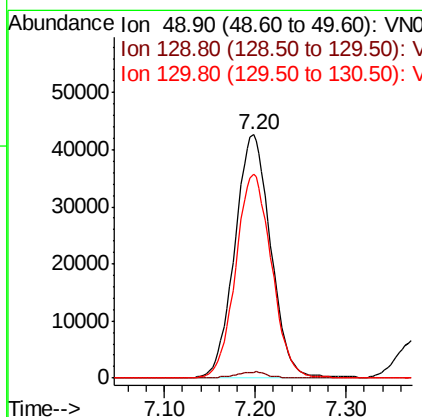
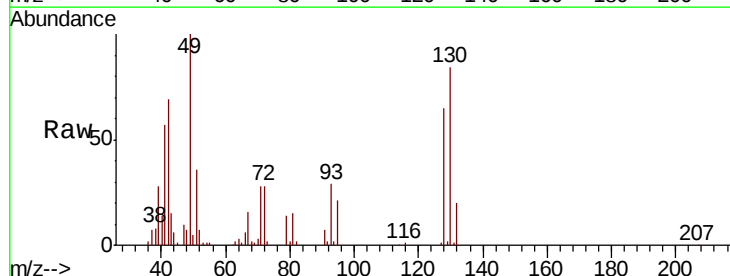
Manual Integrations
 APPROVED

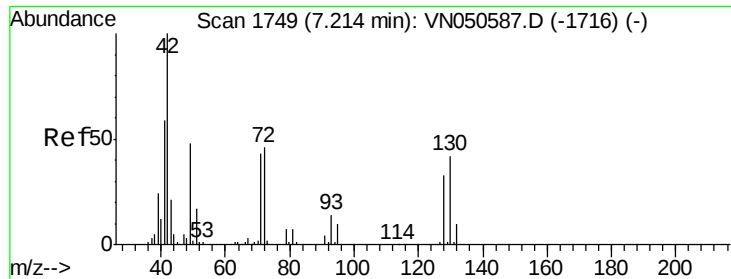
MMDadoda
 8/16/2018 1:18:28 PM



#28
 Bromochloromethane
 Concen: 18.78 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	117095		
129	2.2	0.0	4.2	
130	83.3	66.8	100.2	





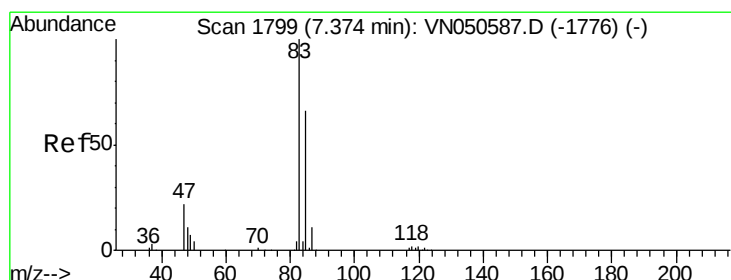
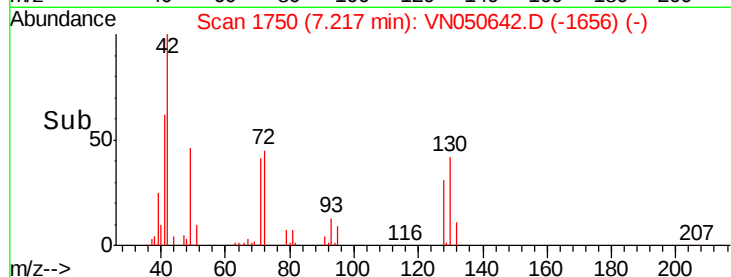
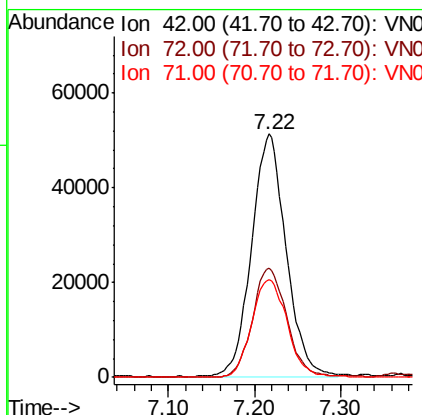
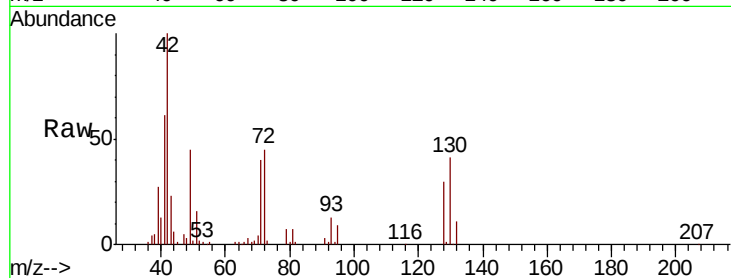
#29
Tetrahydrofuran
Concen: 86.75 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.8	53.6
71	41.6	33.4	50.0

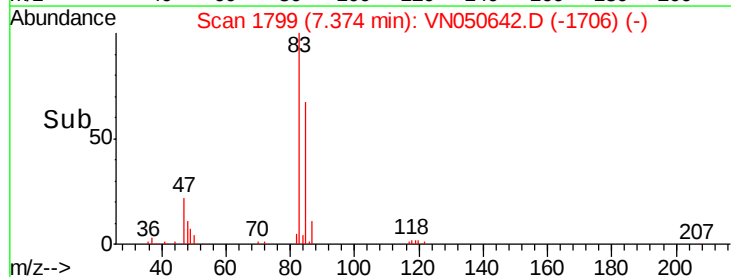
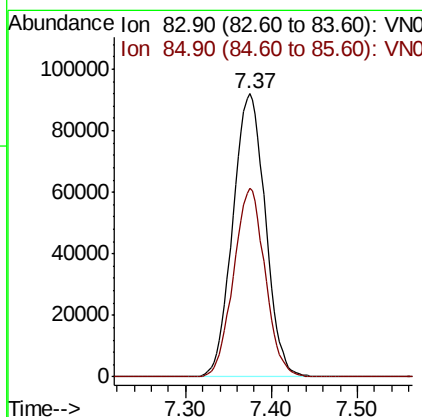
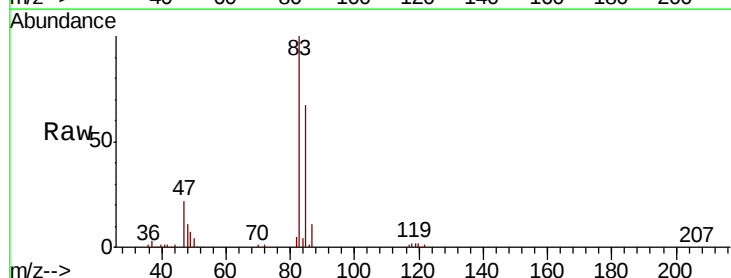
Manual Integrations
APPROVED

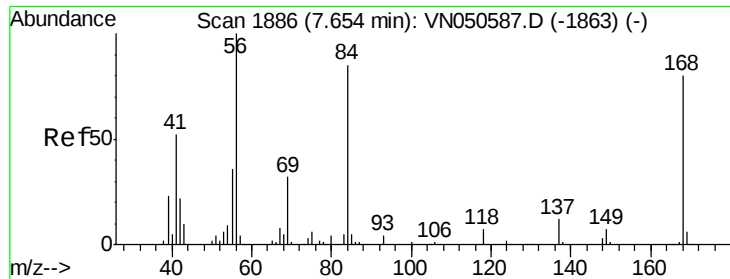
MMDadoda
8/16/2018 1:18:28 PM



#30
Chloroform
Concen: 17.42 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.5	78.7





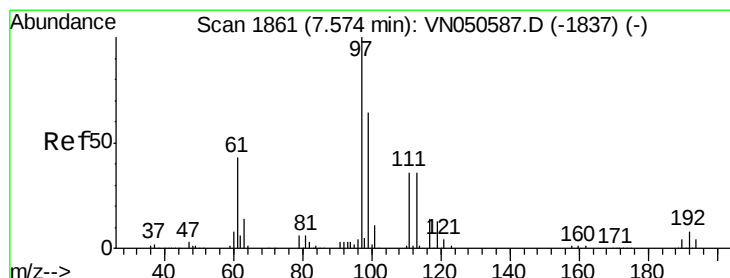
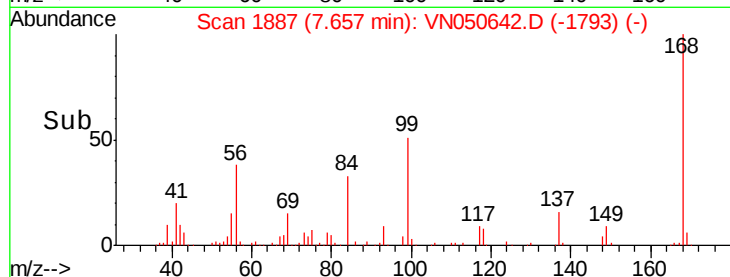
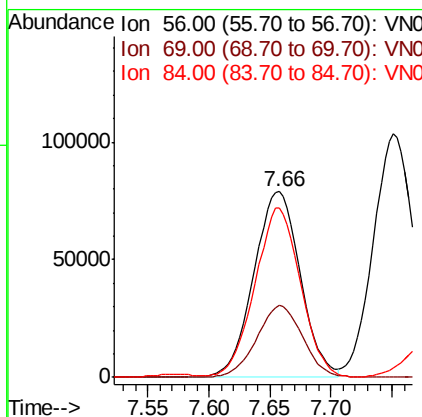
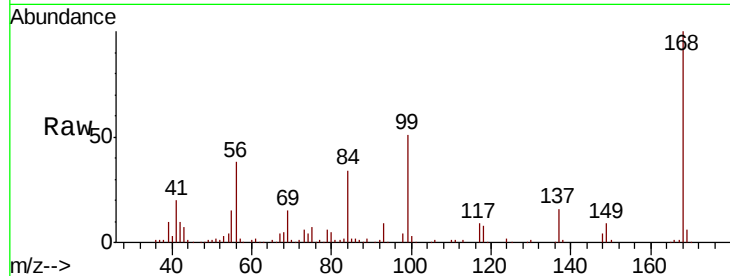
#31
Cyclohexane
Concen: 17.68 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	89.8	67.8	101.6

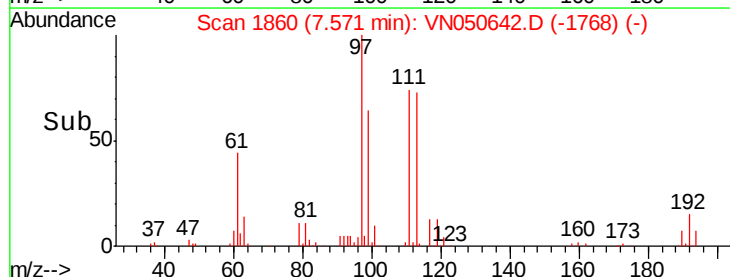
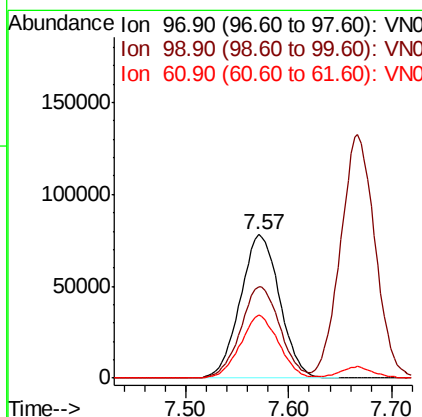
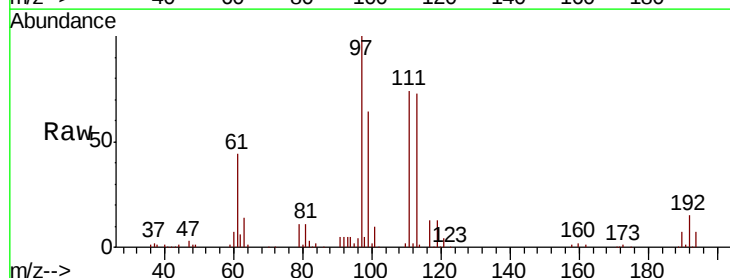
Manual Integrations
APPROVED

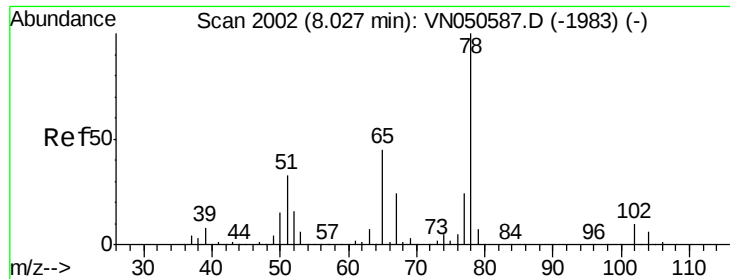
MMDadoda
8/16/2018 1:18:28 PM



#32
1,1,1-Trichloroethane
Concen: 17.70 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	42.5	34.8	52.2





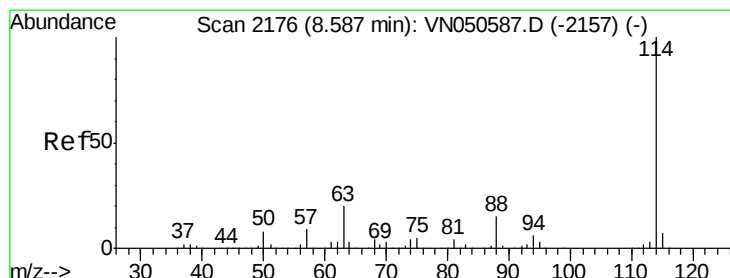
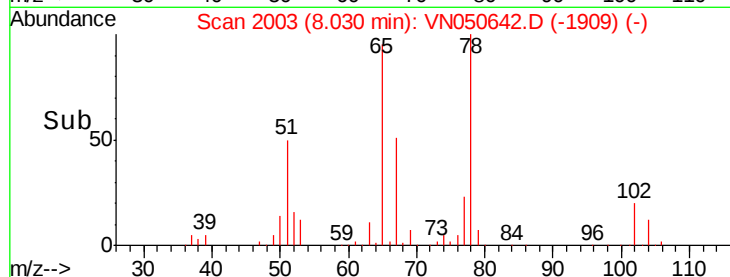
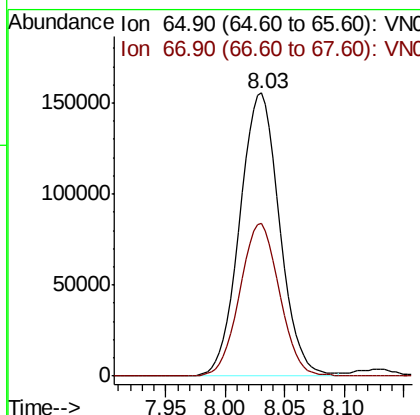
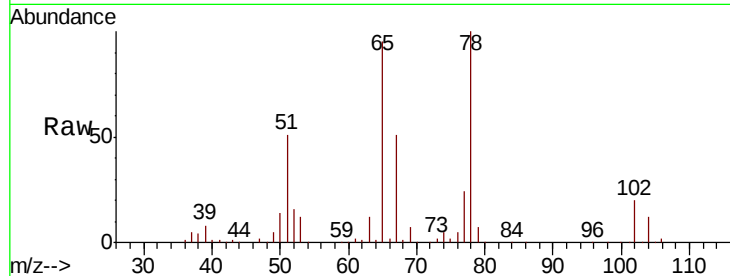
#33
 1,2-Dichloroethane-d4
 Concen: 46.76 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	360663		
67	53.7	0.0	109.8	

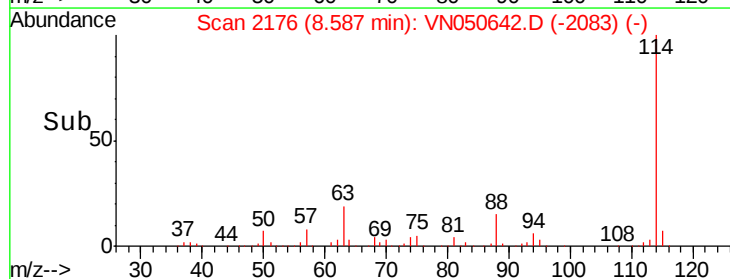
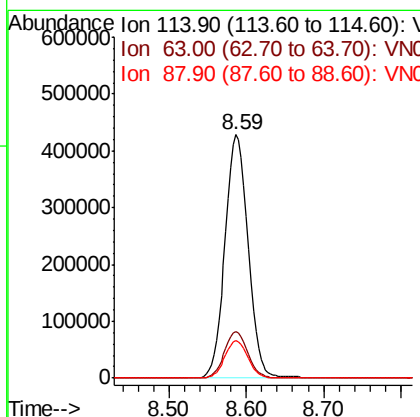
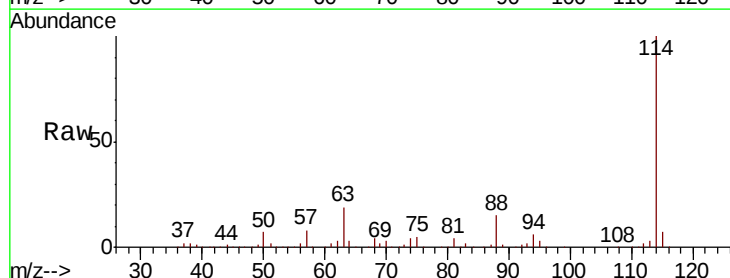
Manual Integrations
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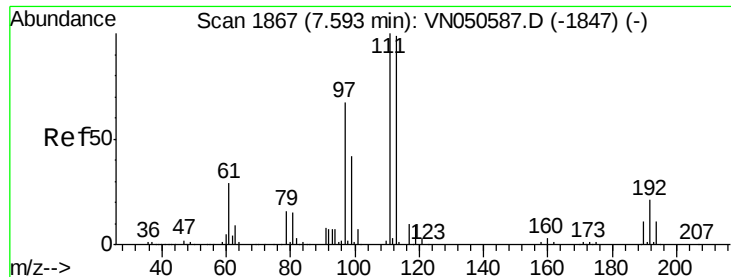
MMDadoda
 8/16/2018 1:18:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	888137		
63	18.9	0.0	40.0	
88	15.2	0.0	30.8	





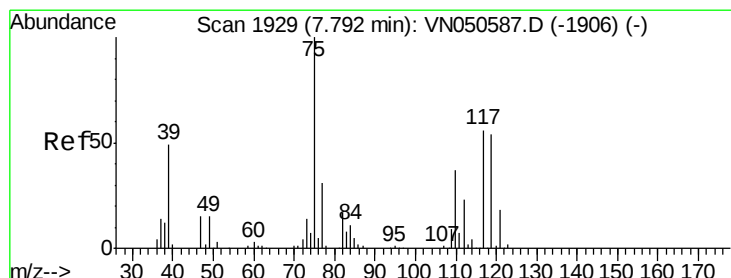
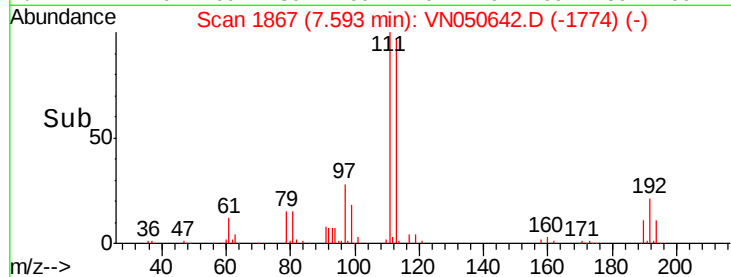
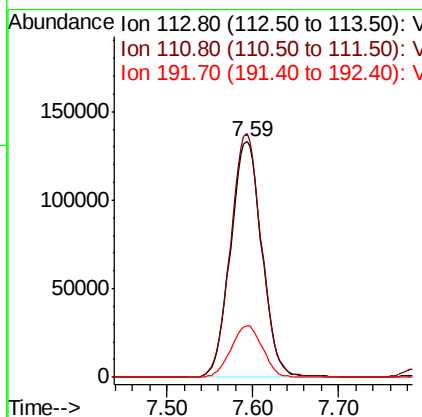
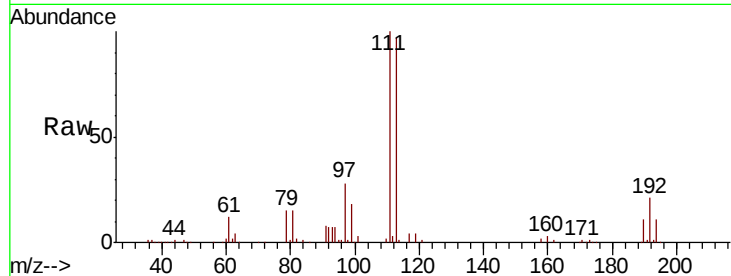
#35
 Dibromofluoromethane
 Concen: 47.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	81.0	121.6	
192	22.1	17.6	26.4	

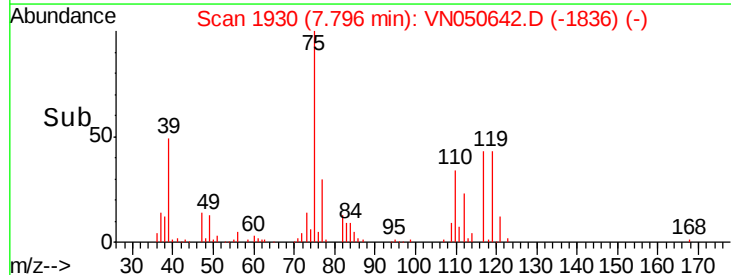
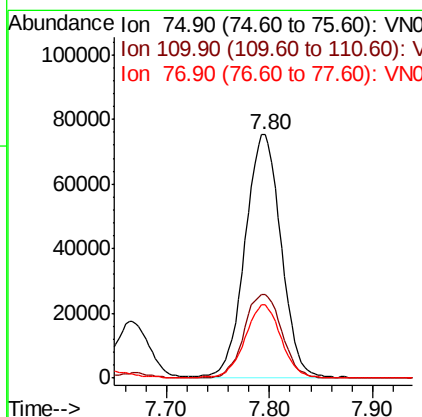
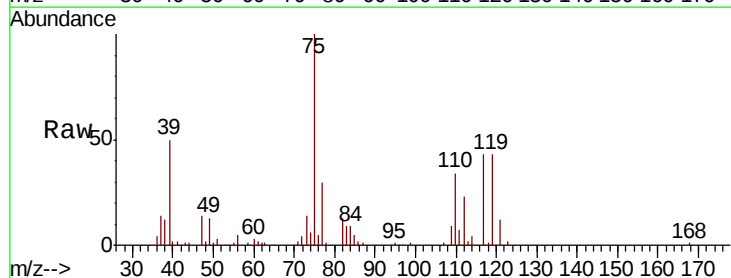
Manual Integrations
 APPROVED

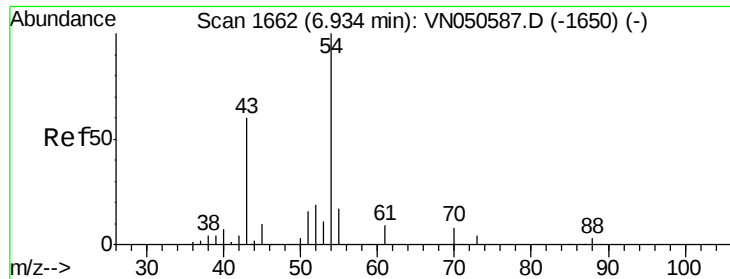
MMDadoda
 8/16/2018 1:18:28 PM



#36
 1,1-Dichloropropene
 Concen: 18.31 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	18.3	54.9	
77	30.6	25.0	37.4	





#37

Ethyl Acetate

Concen: 18.25 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

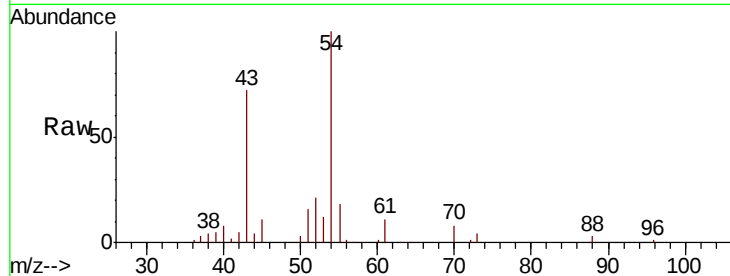
ClientSampled :

VN0815WBS01

Tot Ion:	43	Resp:	101999
Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.0	18.0
70	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:18:28 PM

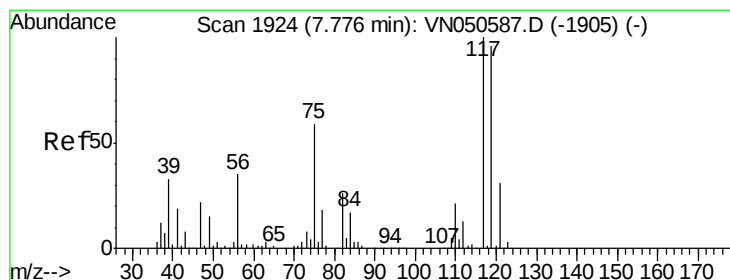
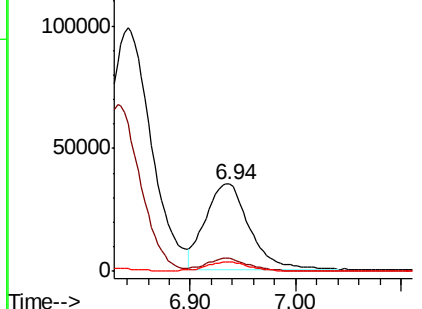
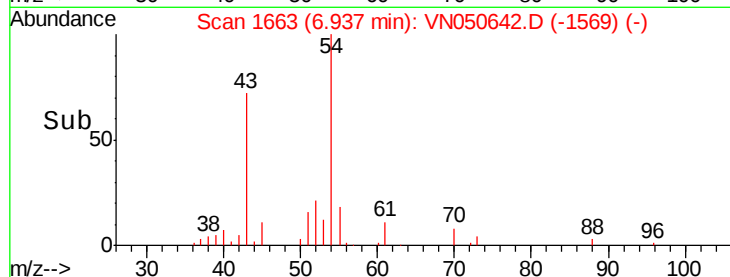


Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-1650) (-)

Ion 60.90 (60.60 to 61.60): VN050587.D (-1650) (-)

Ion 70.00 (69.70 to 70.70): VN050587.D (-1650) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 17.77 ug/l

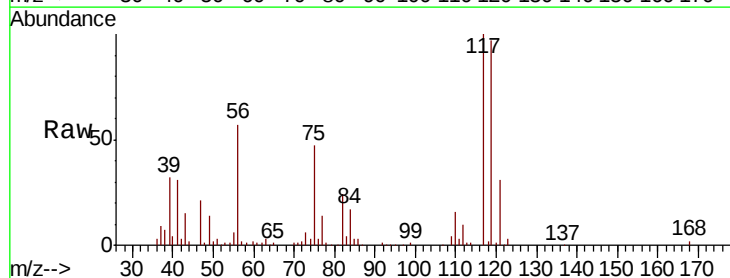
RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion:	117	Resp:	182238
Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.6	25.0	37.6

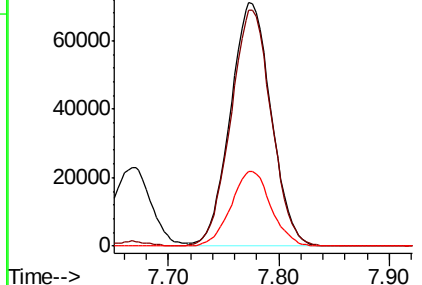
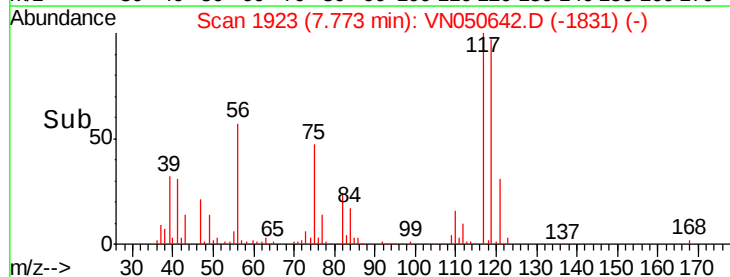


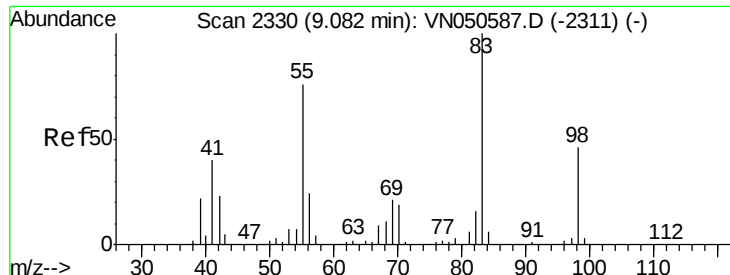
Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-1905) (-)

Ion 118.80 (118.50 to 119.50): VN050587.D (-1905) (-)

Ion 120.80 (120.50 to 121.50): VN050587.D (-1905) (-)

Time-->





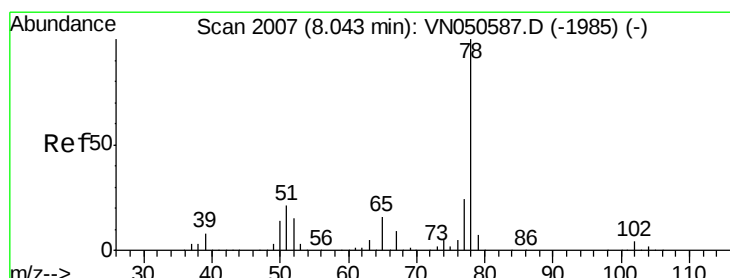
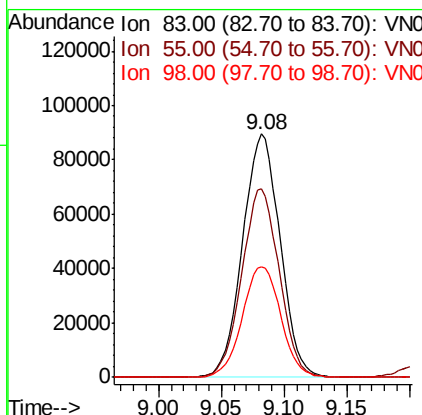
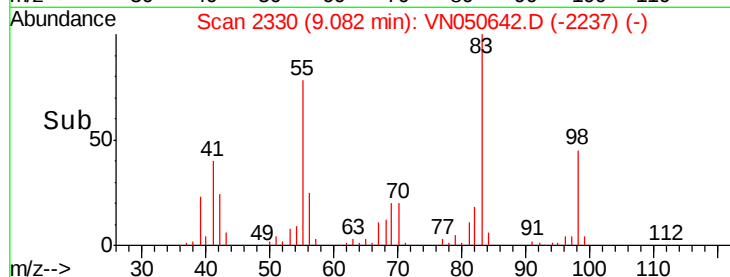
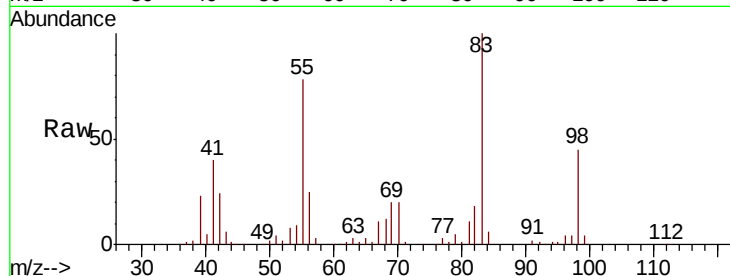
#39
Methylvlcyclohexane
Concen: 18.22 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	60.6	91.0
98	45.4	37.0	55.4

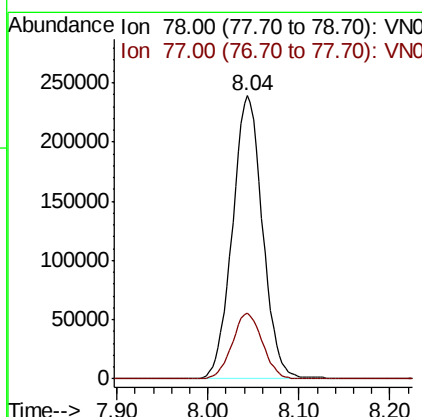
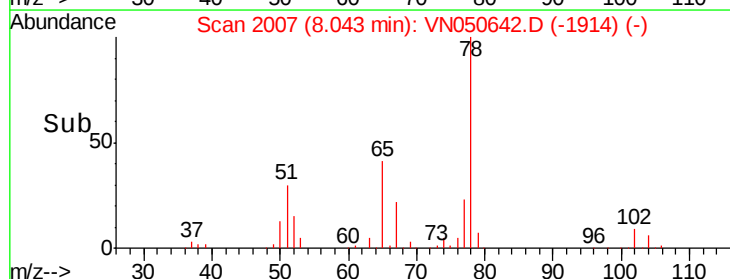
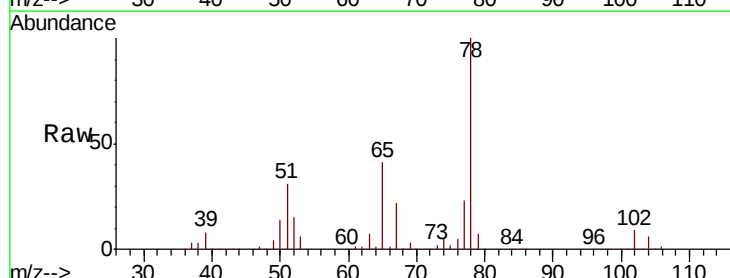
Manual Integrations
APPROVED

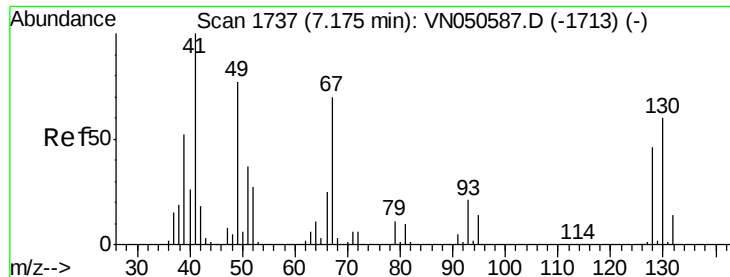
MMDadoda
8/16/2018 1:18:28 PM



#40
Benzene
Concen: 18.31 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





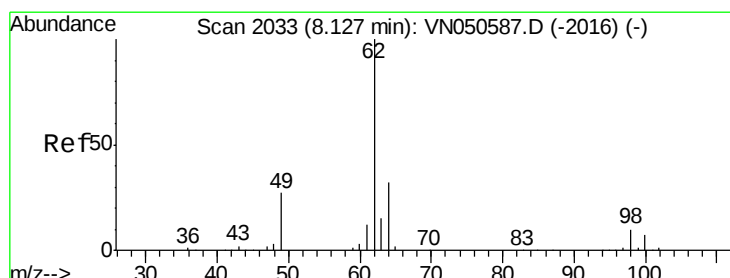
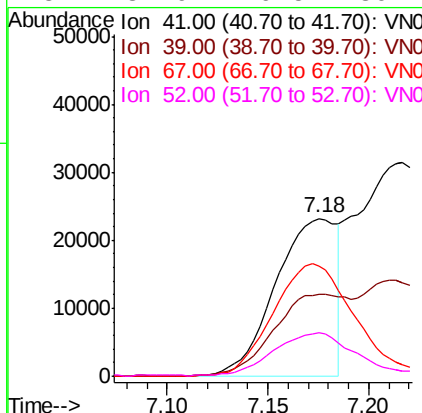
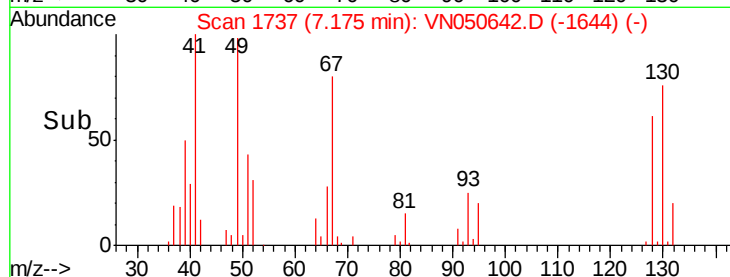
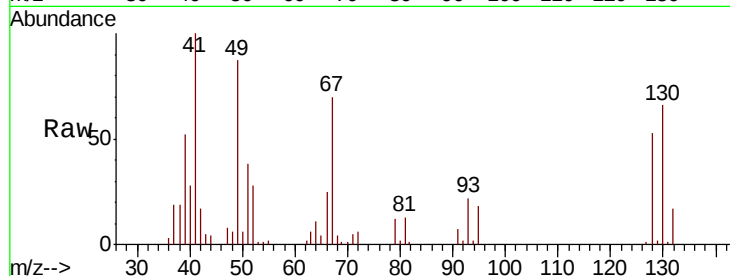
#41
Methacrylonitrile
Concen: 16.26 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.6	44.6	66.8
67	95.8	66.7	100.1
52	37.9	26.5	39.7

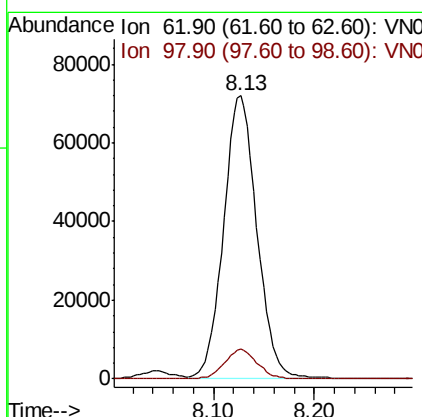
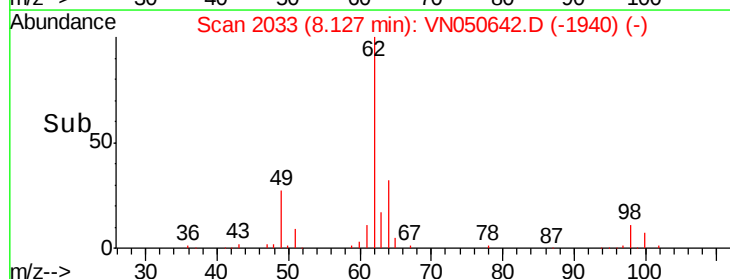
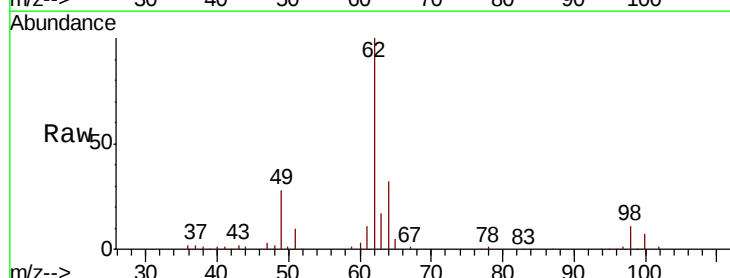
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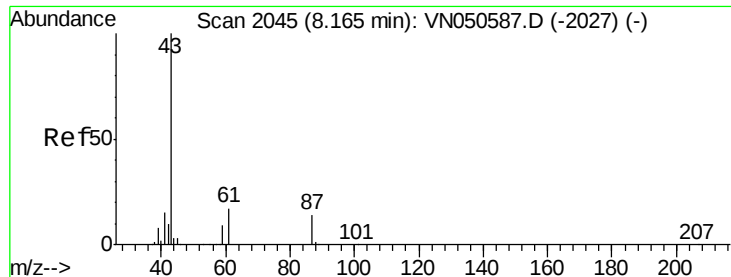
MMDadoda
8/16/2018 1:18:28 PM



#42
1,2-Dichloroethane
Concen: 17.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 17.27 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

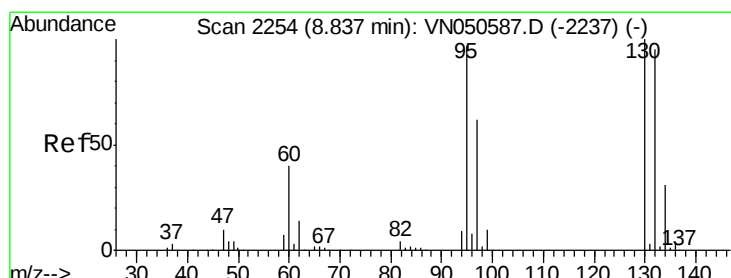
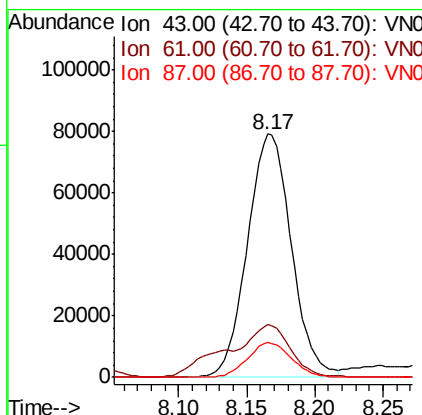
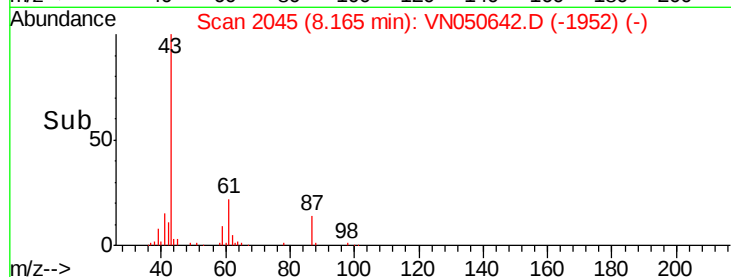
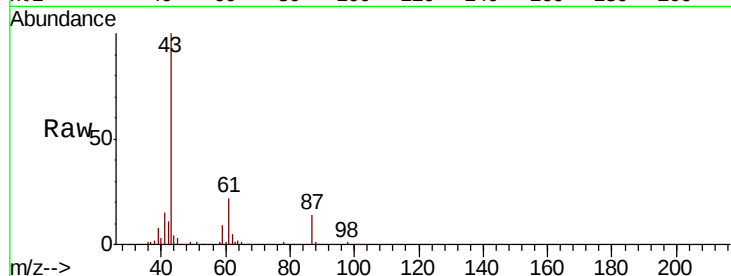
ClientSampled :

VN0815WBS01

Tot Ion:	43	Resp:	175845
Ion	Ratio	Lower	Upper
43	100		
61	20.5	16.2	24.2
87	14.4	10.9	16.3

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#44

Trichloroethene

Concen: 17.92 ug/l

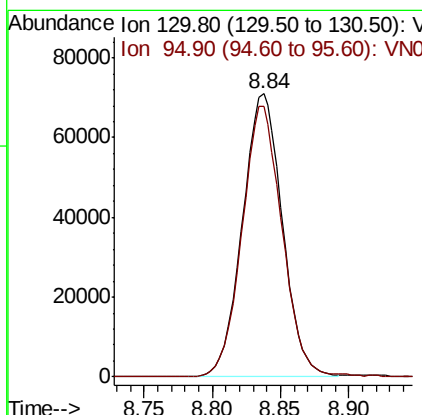
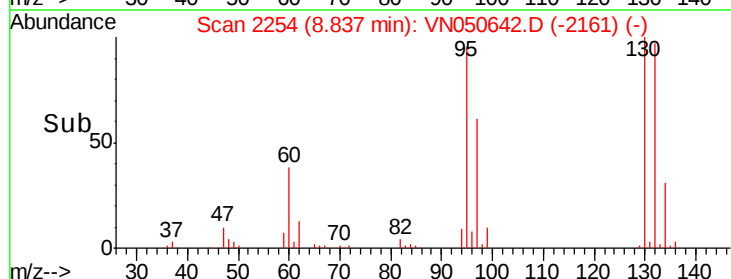
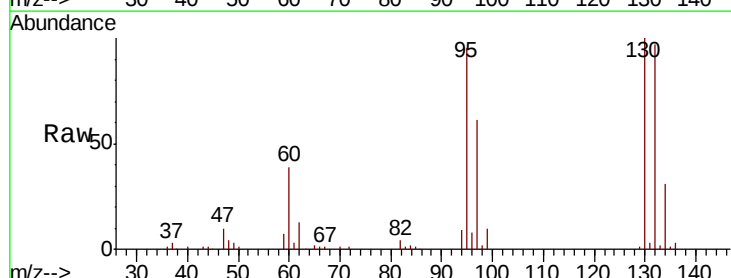
RT: 8.84 min Scan# 2254

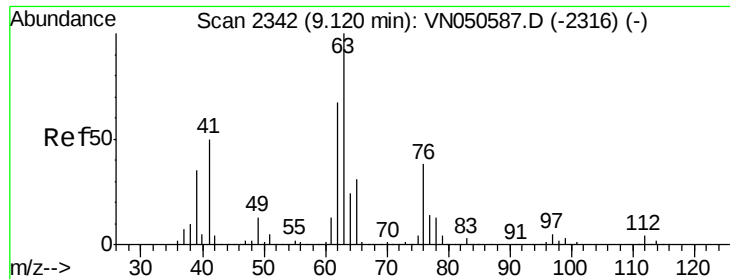
Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion:	130	Resp:	144401
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	193.8





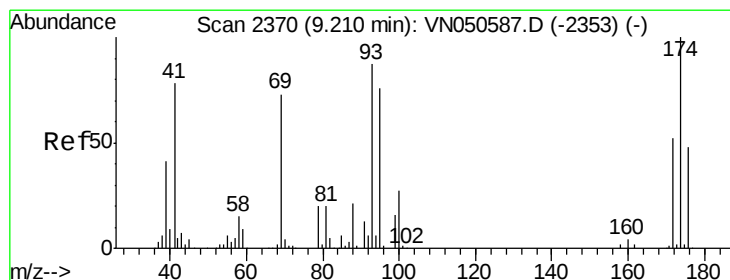
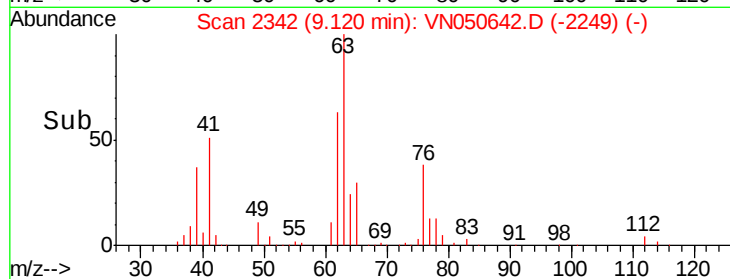
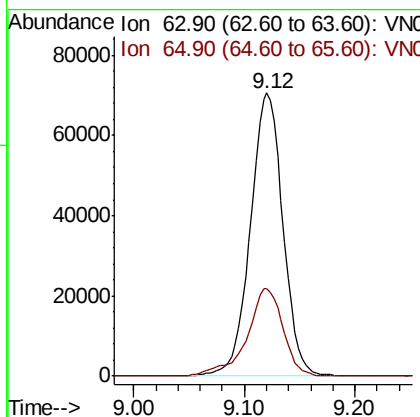
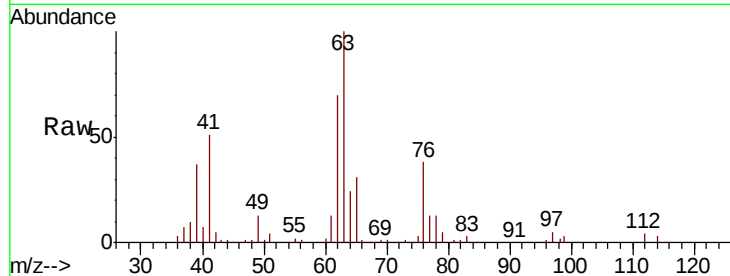
#45
 1,2-Dichloropropane
 Concen: 18.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.5	36.7

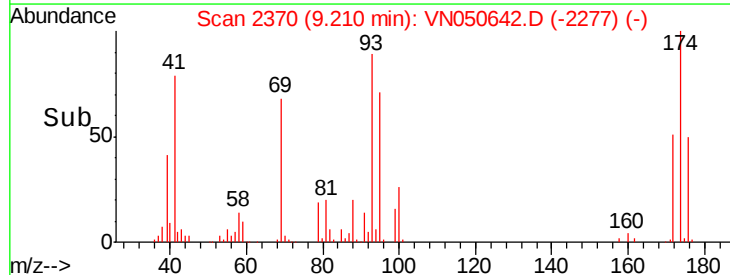
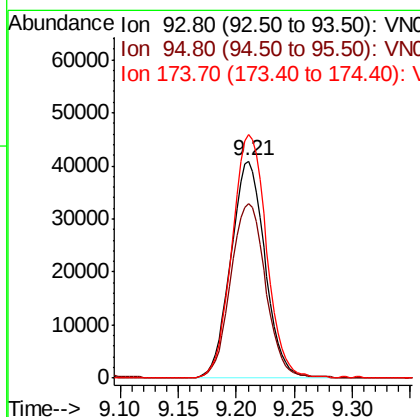
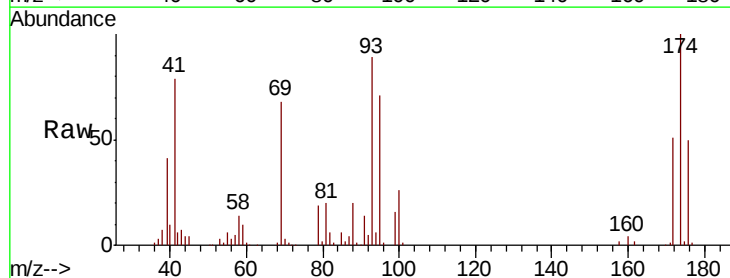
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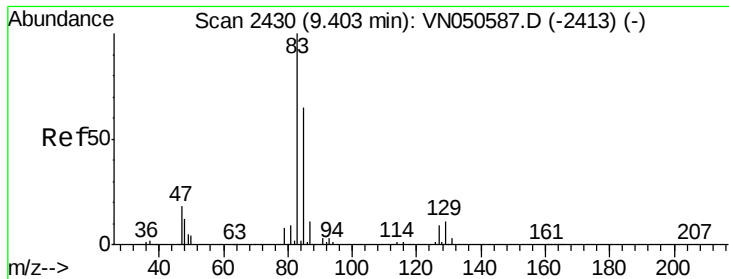
MMDadoda
 8/16/2018 1:18:28 PM



#46
 Dibromomethane
 Concen: 17.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	69.1	103.7
174	112.9	91.0	136.6





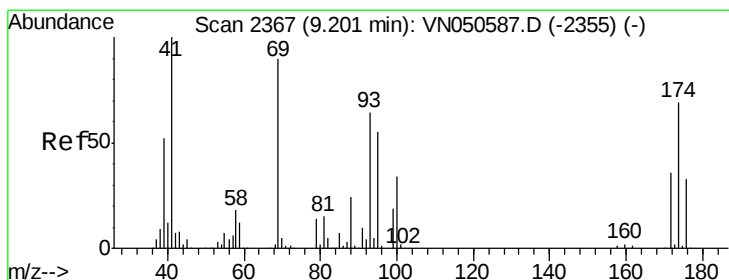
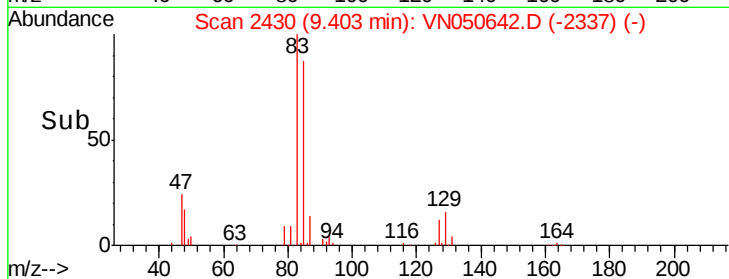
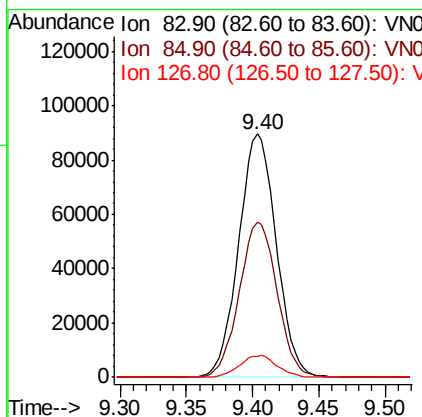
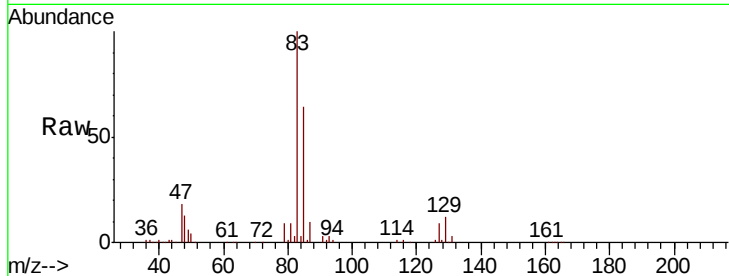
#47
Bromodichloromethane
Concen: 17.50 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	176865		
85	63.7	51.8	77.6	
127	8.8	7.2	10.8	

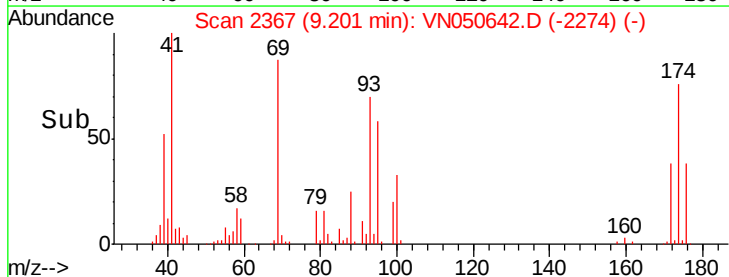
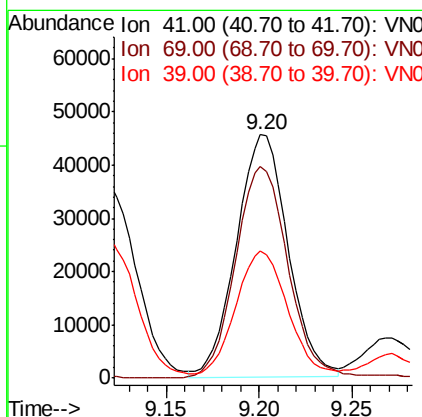
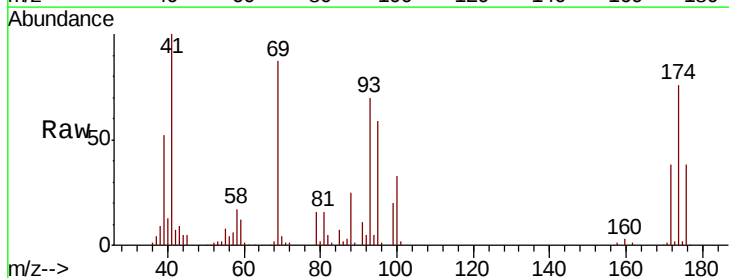
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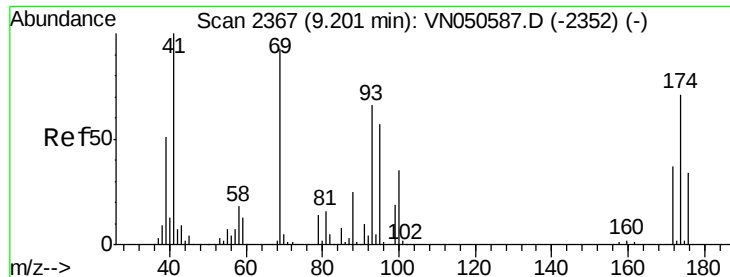
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#48
Methyl methacrylate
Concen: 17.29 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	88596		
69	89.0	73.4	110.0	
39	52.9	43.0	64.6	





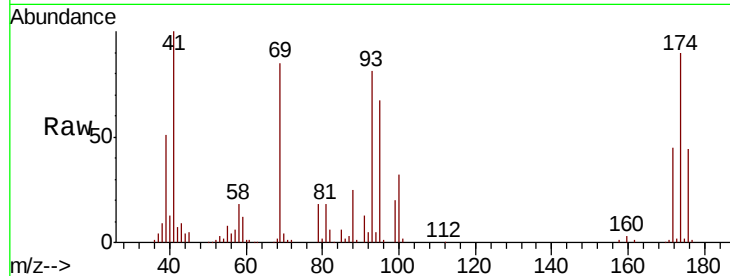
#49
1,4-Dioxane
Concen: 355.26 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.9	38.9
58	67.4	56.5	84.7

Manual Integrations
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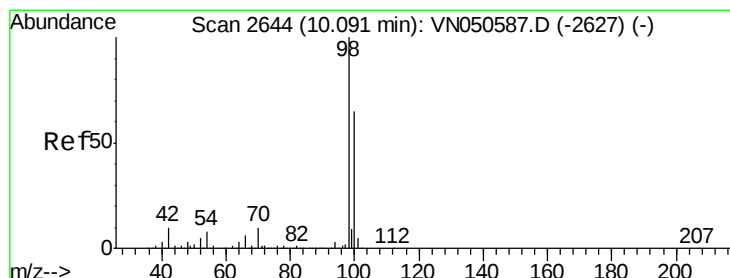
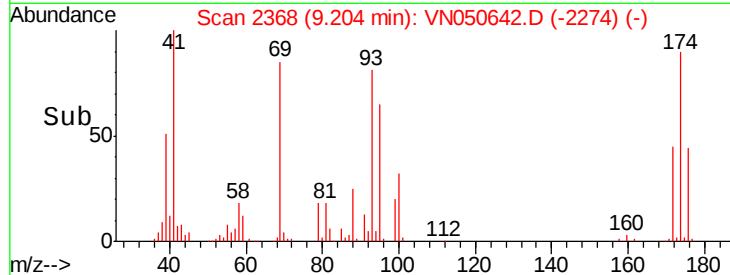
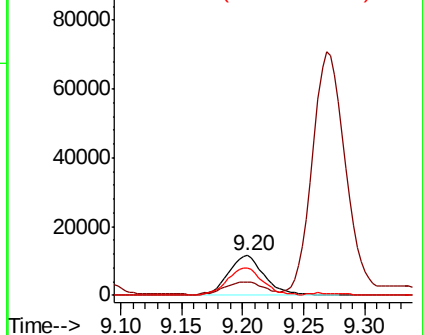
MMDadoda
8/16/2018 1:18:28 PM



Abundance Ion 88.00 (87.70 to 88.70): VN050587.D (-2352) (-)

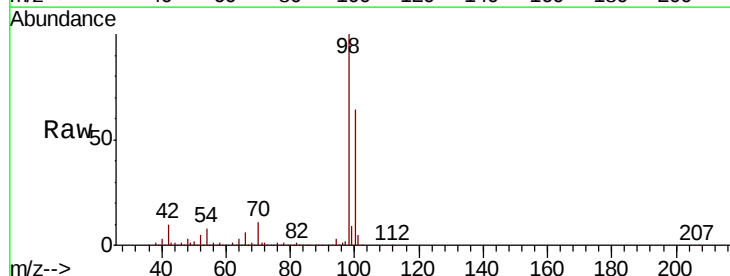
Ion 43.00 (42.70 to 43.70): VN050587.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2352) (-)



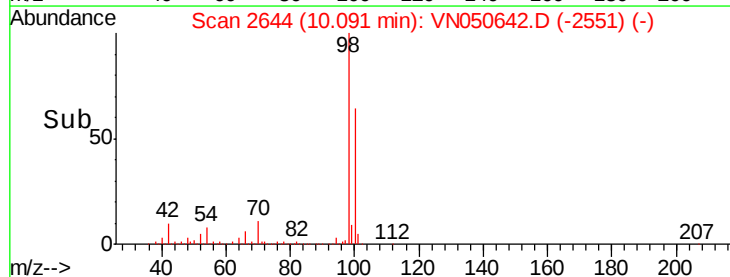
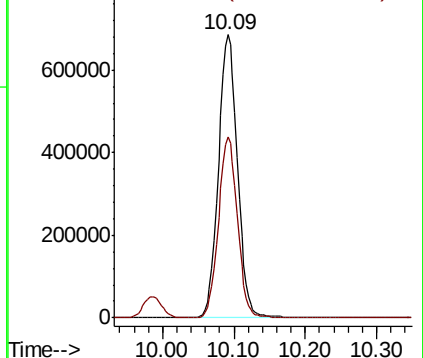
#50
Toluene-d8
Concen: 47.48 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

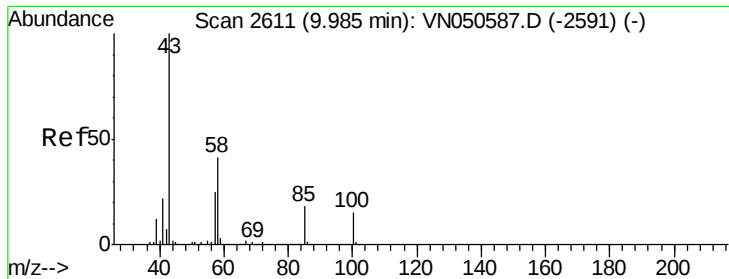
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.8	77.8



Abundance Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 90.91 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 43 Resp: 626181

Ion Ratio Lower Upper

43 100

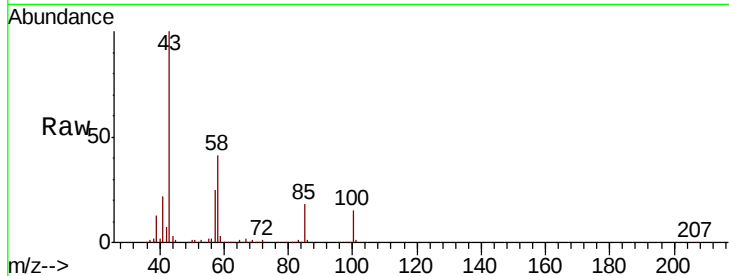
58 40.7 32.5 48.7

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

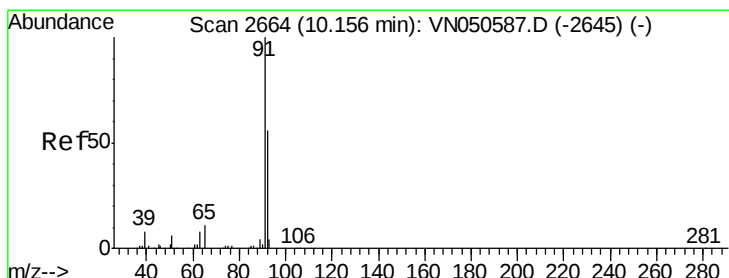
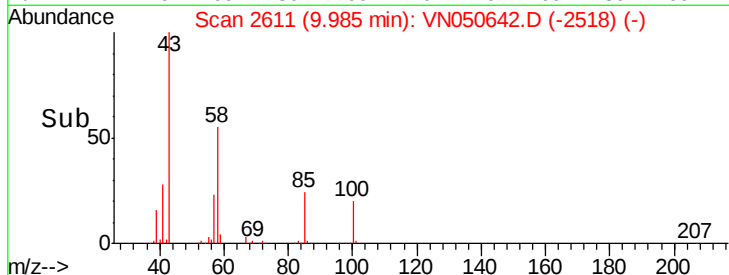
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.72 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050642.D

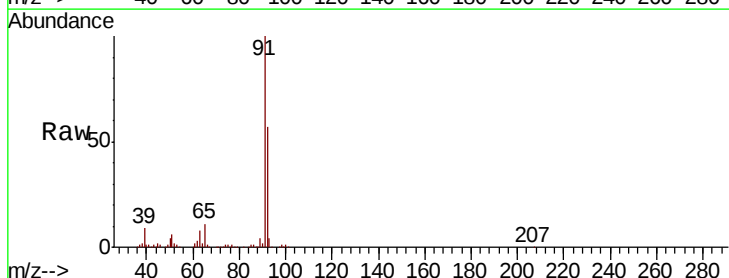
Acq: 15 Aug 2018 9:52

Tgt Ion: 92 Resp: 336123

Ion Ratio Lower Upper

92 100

91 176.7 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

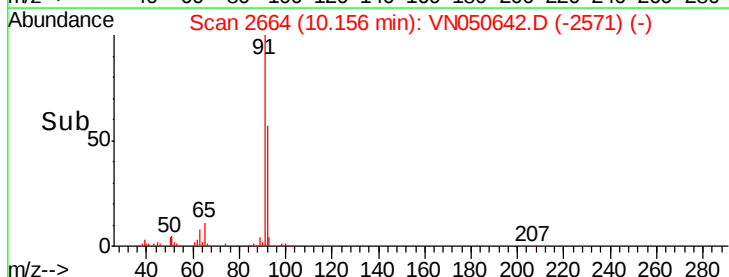
300000

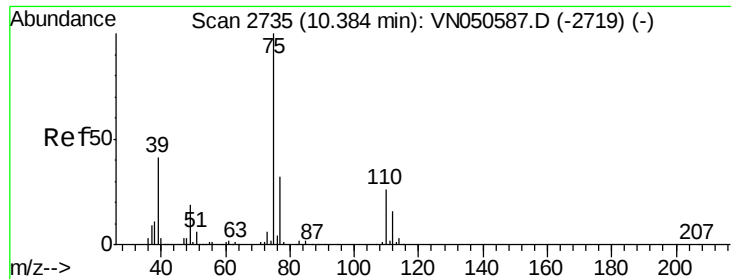
200000

100000

0

Time-->





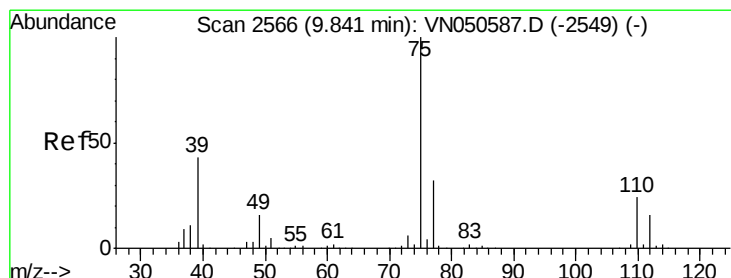
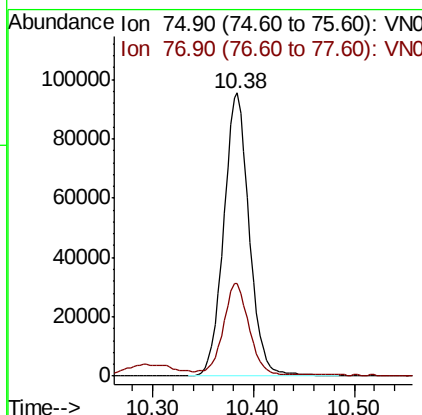
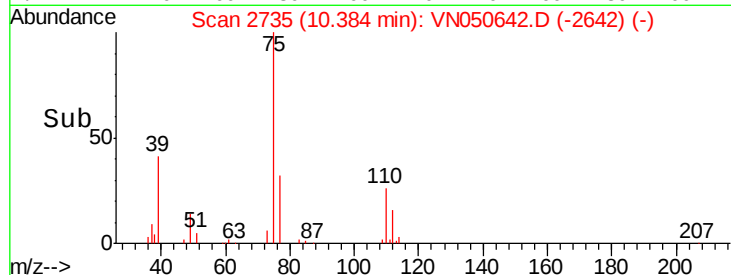
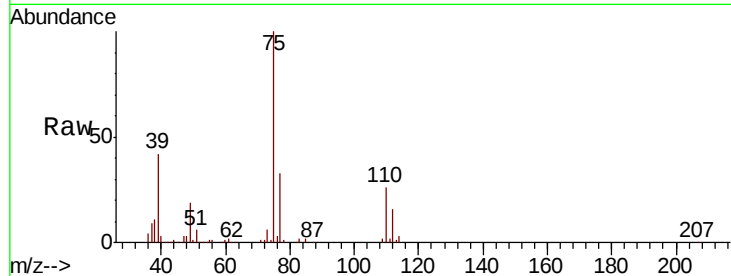
#53
 t-1,3-Dichloropropene
 Concen: 17.92 ug/l
 RT: 10.38 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tot Ion: 75 Resp: 168682
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.8 38.6

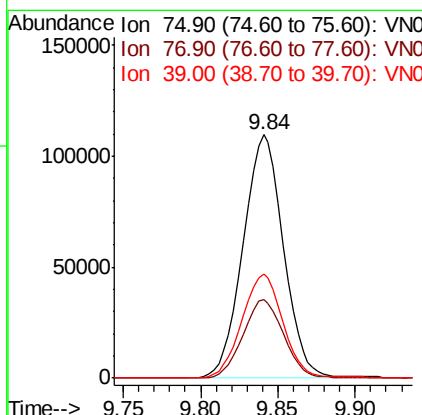
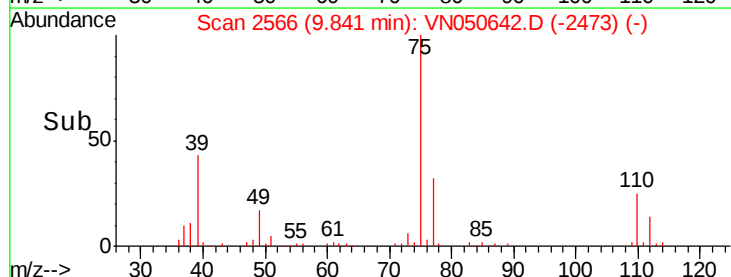
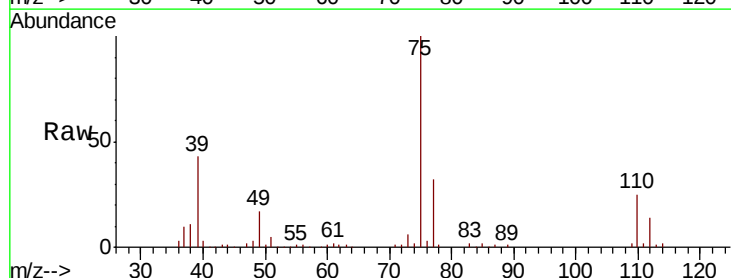
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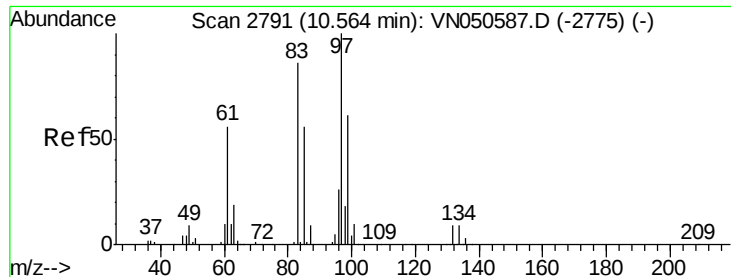
MMDadoda
 8/16/2018 1:18:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.43 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 75 Resp: 199062
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.6 38.4
 39 42.6 34.4 51.6





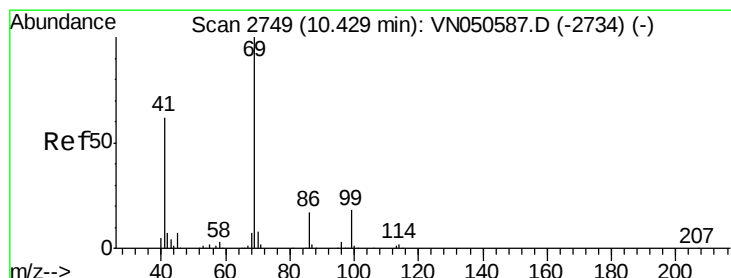
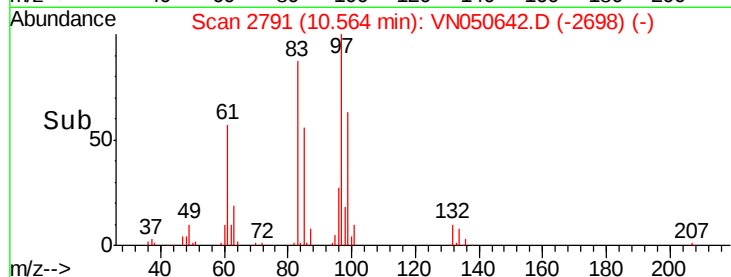
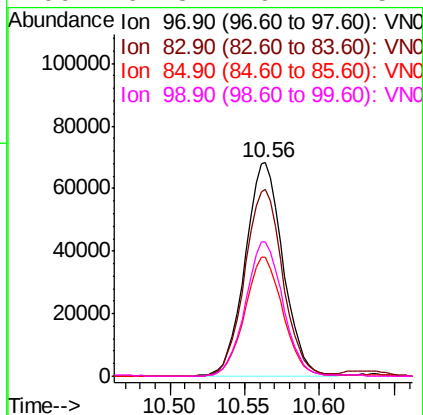
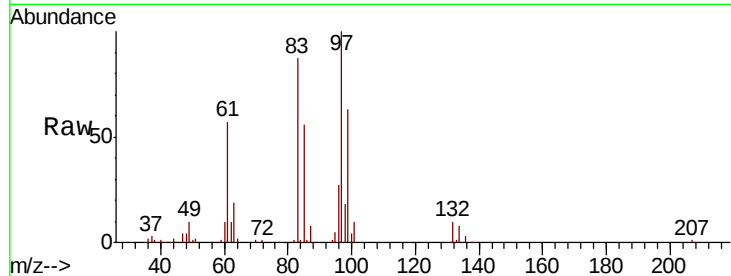
#55
 1,1,2-Trichloroethane
 Concen: 17.97 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		120558		
83	87.4	68.5	102.7		
85	55.5	44.6	66.8		
99	62.8	49.1	73.7		

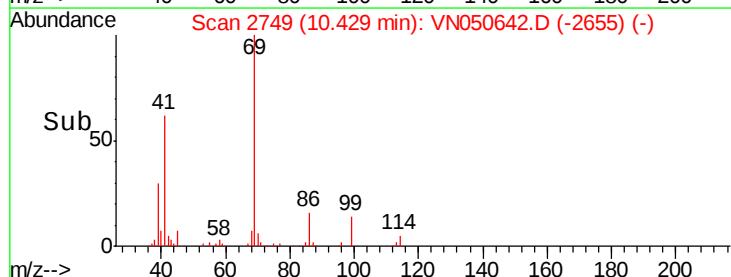
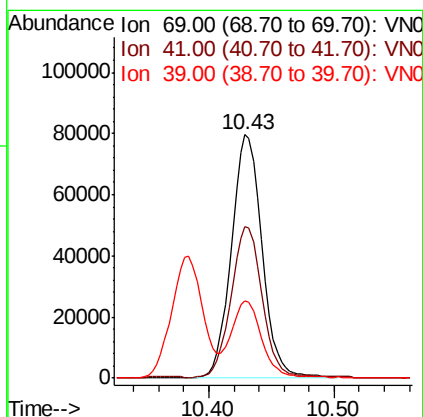
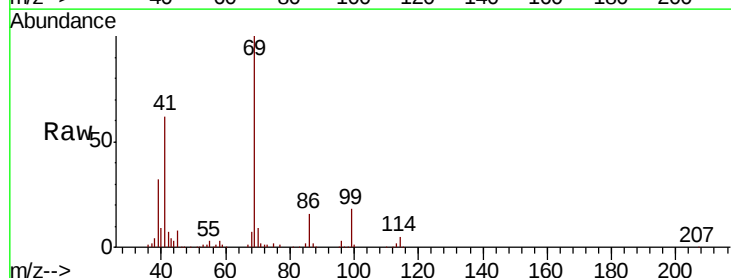
Manual Integrations
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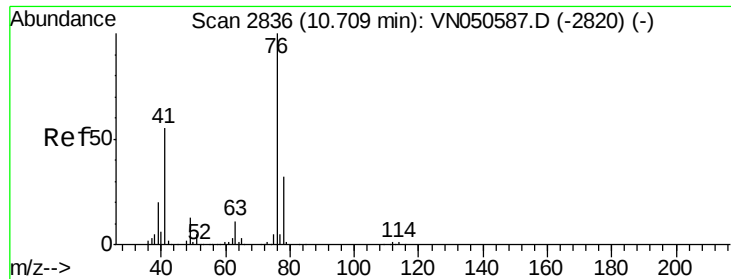
MMDadoda
 8/16/2018 1:18:28 PM



#56
 Ethyl methacrylate
 Concen: 17.17 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		135824		
41	62.9	49.7	74.5		
39	30.9	24.2	36.2		





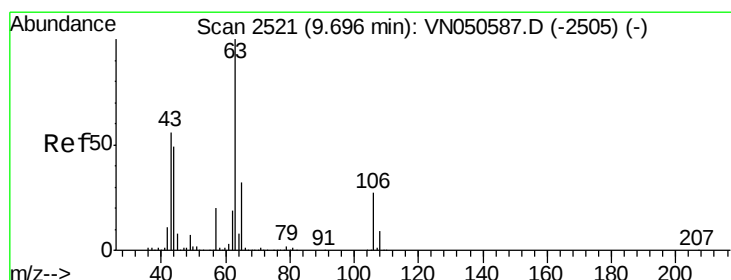
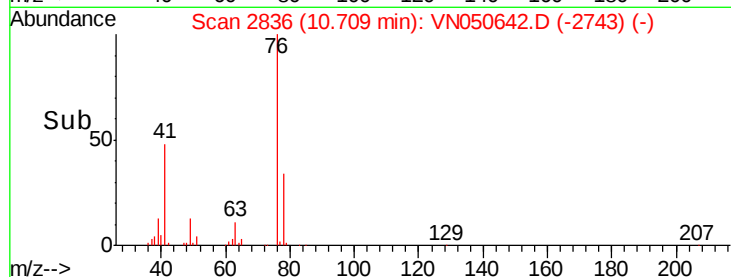
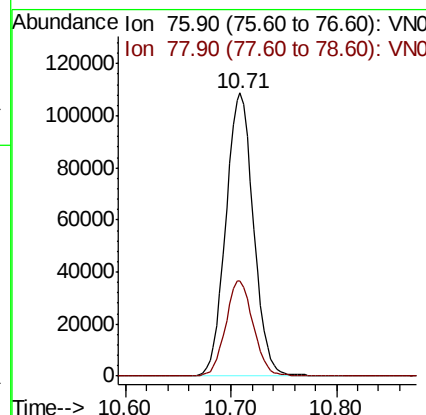
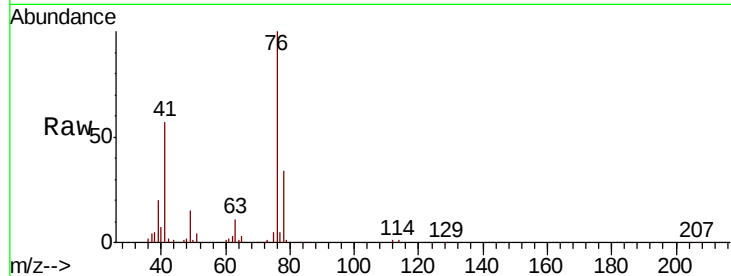
#57
 1,3-Dichloropropane
 Concen: 17.95 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.5	25.8	38.6

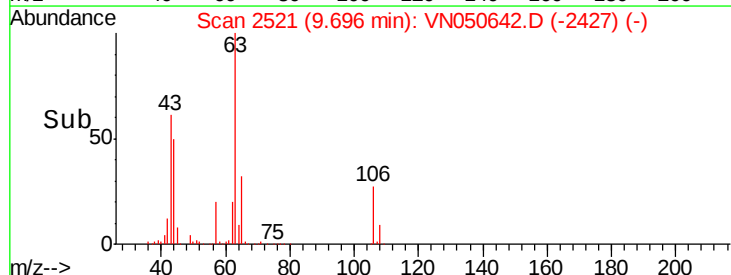
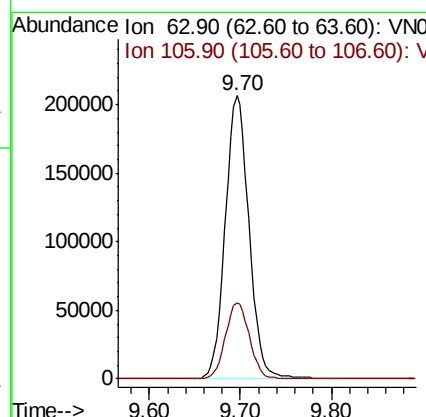
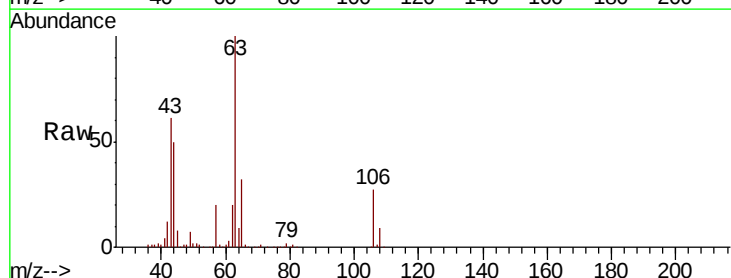
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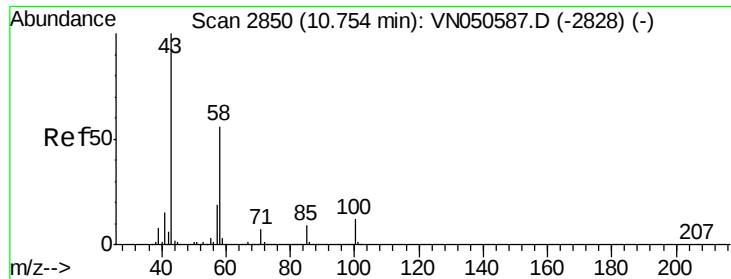
MMDadoda
 8/16/2018 1:18:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	21.7	32.5





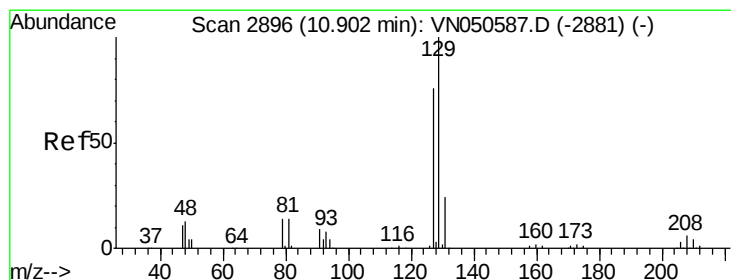
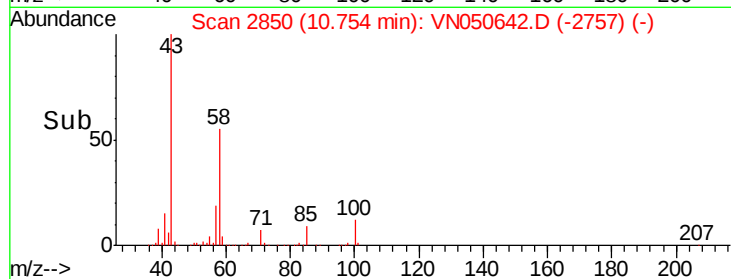
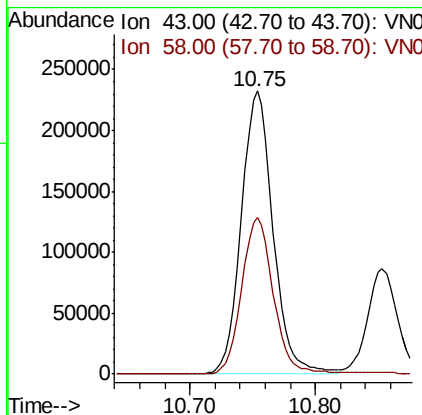
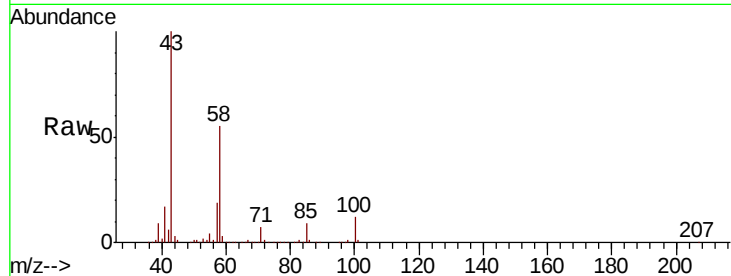
#59
2-Hexanone
Concen: 92.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

Tot Ion	43	Resp	410163
Ion Ratio	100	Lower	Upper
43	100		
58	55.1	28.0	84.0

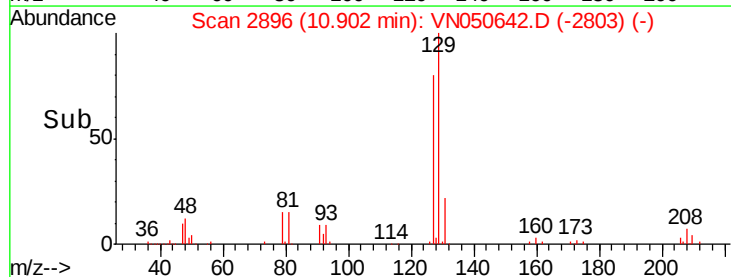
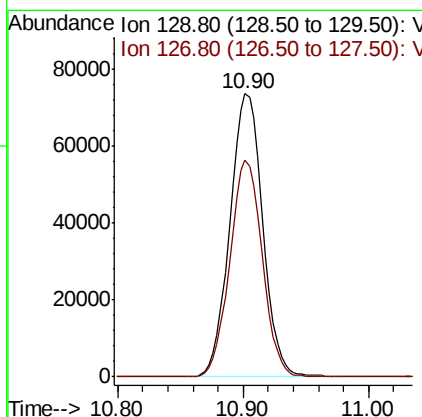
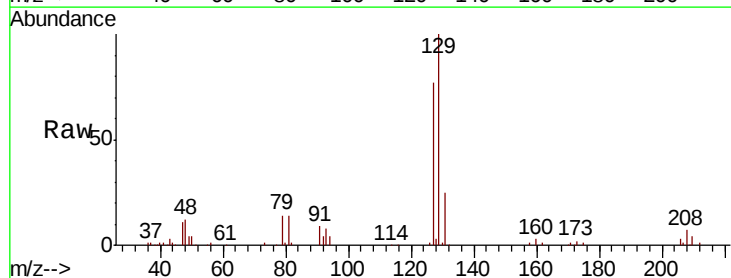
Manual Integrations
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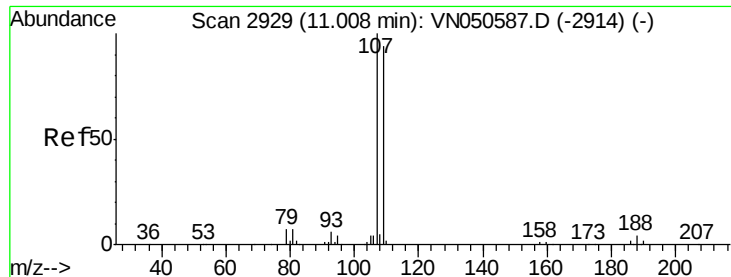
MMDadoda
8/16/2018 1:18:28 PM



#60
Dibromochloromethane
Concen: 18.07 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	129	Resp	133822
Ion Ratio	100	Lower	Upper
129	100		
127	75.7	38.9	116.7





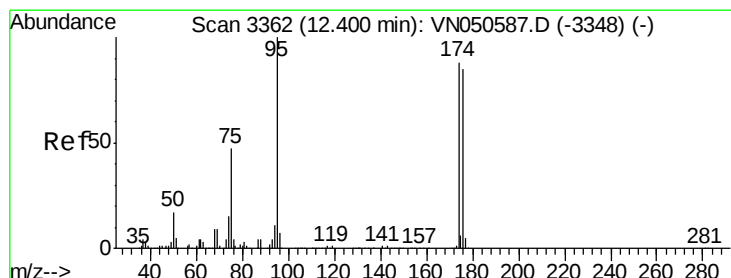
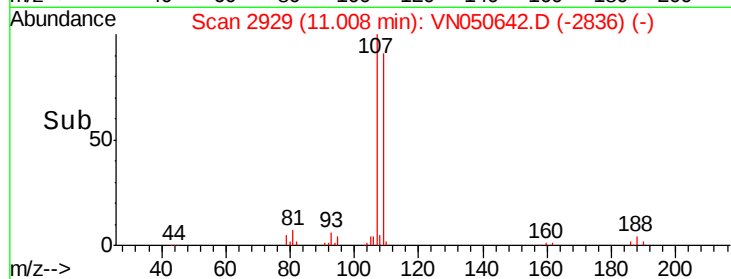
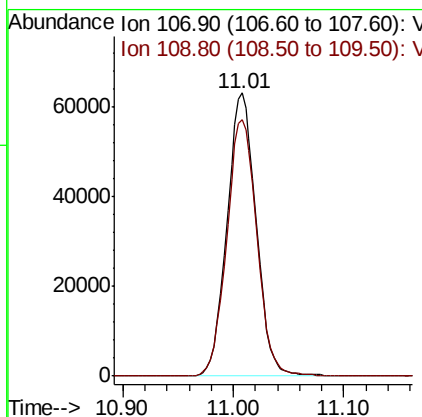
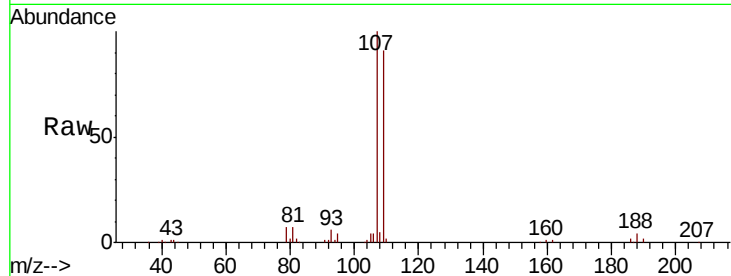
#61
 1,2-Dibromoethane
 Concen: 18.09 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	115607		
109	93.8	75.7	113.5	

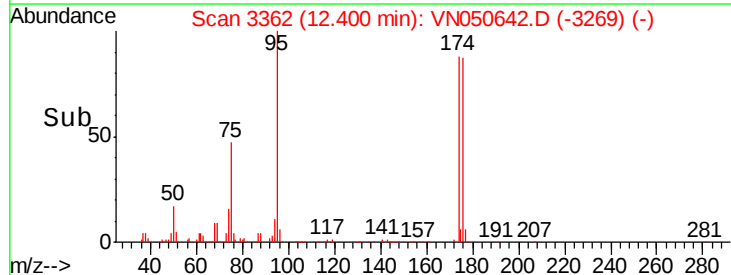
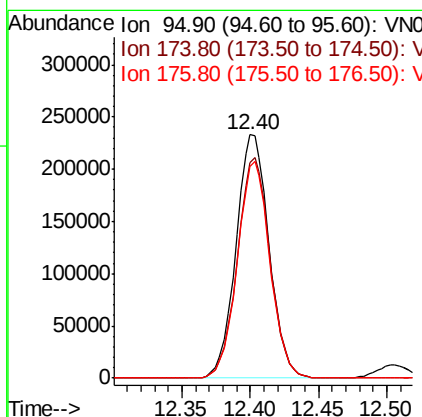
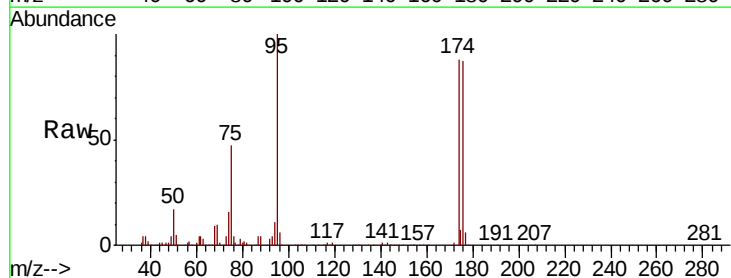
Manual Integrations
 APPROVED

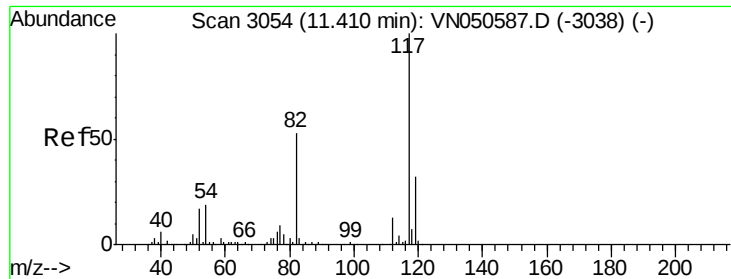
MMDadoda
 8/16/2018 1:18:28 PM



#62
 4-Bromofluorobenzene
 Concen: 44.26 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	390206		
174	90.0	0.0	177.8	
176	87.8	0.0	175.0	





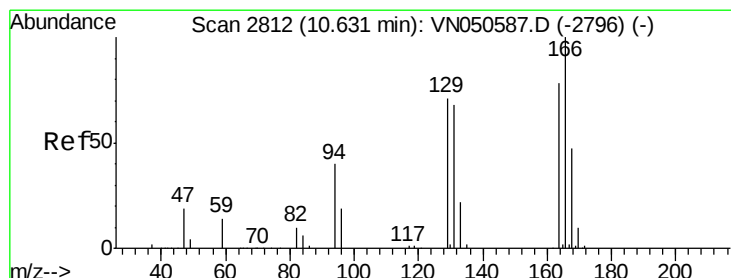
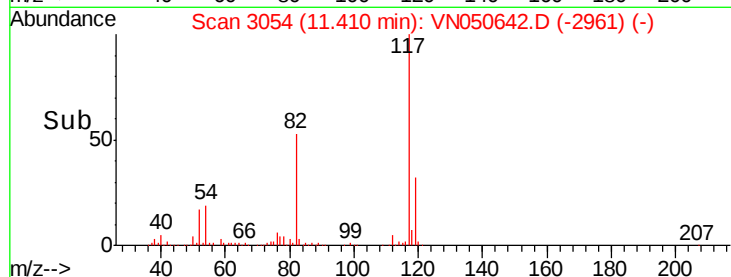
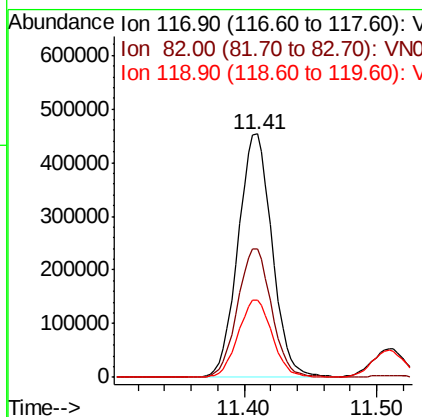
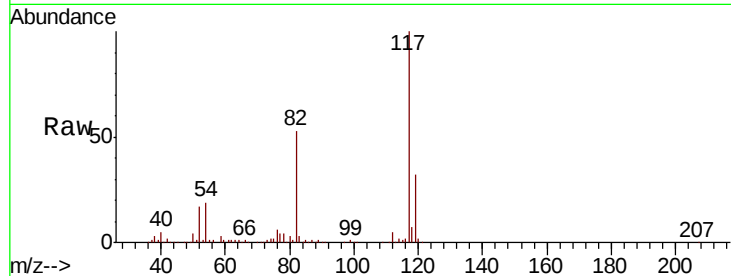
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	31.6	25.8	38.8

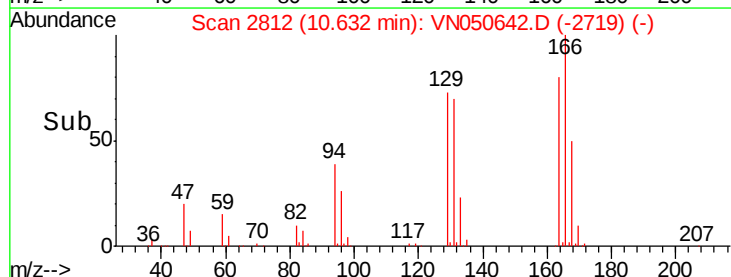
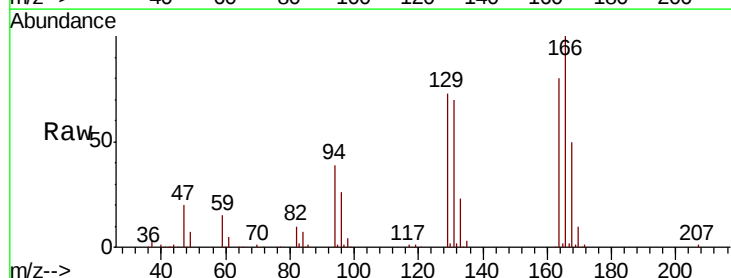
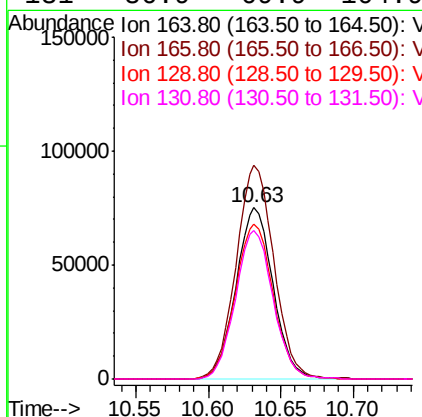
Manual Integrations
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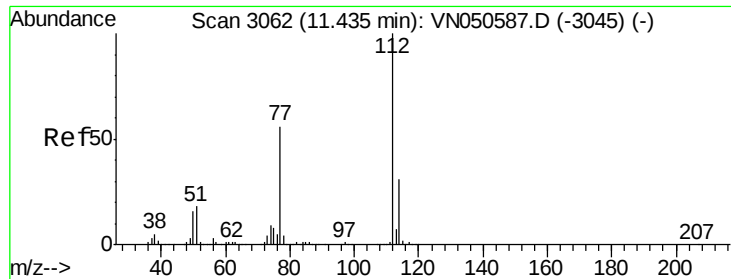
MMDadoda
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#64
Tetrachloroethene
Concen: 17.85 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.1	153.1
129	90.8	72.7	109.1
131	86.9	69.9	104.9





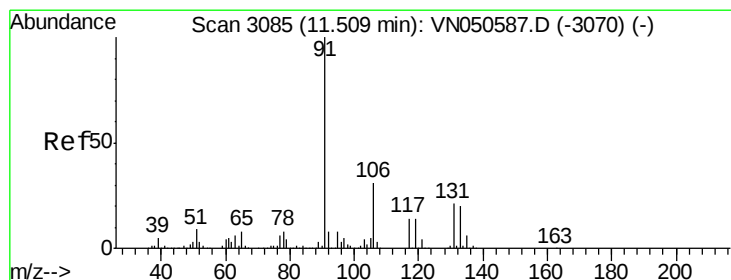
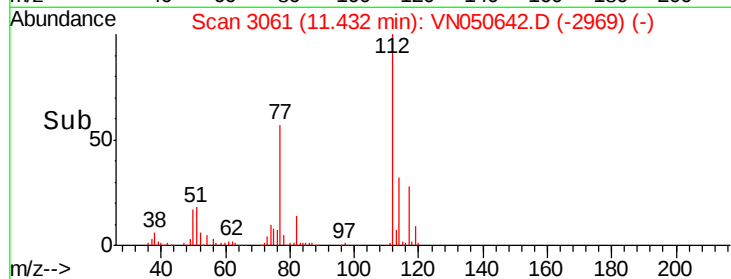
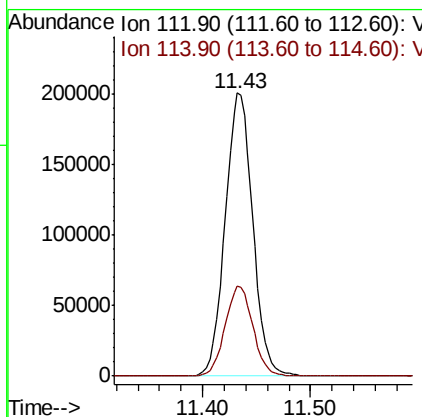
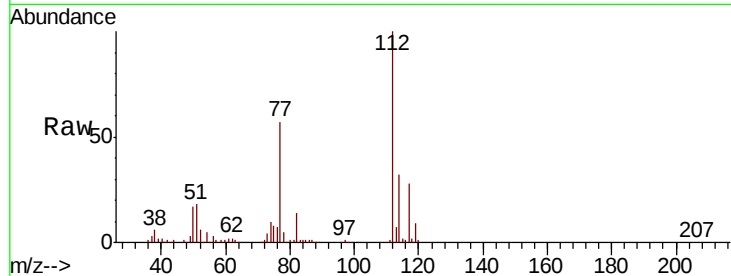
#65
Chlorobenzene
Concen: 17.81 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

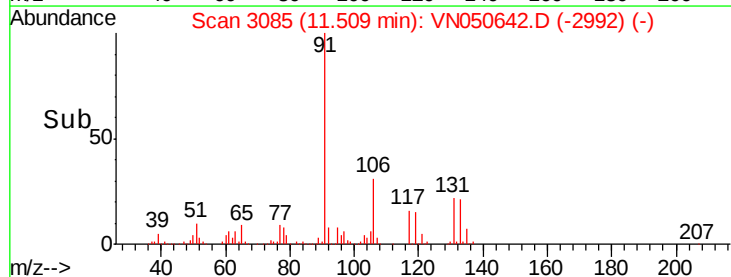
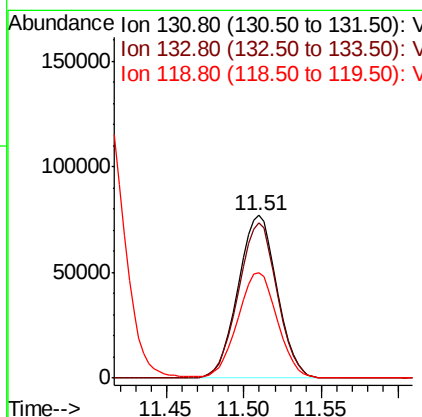
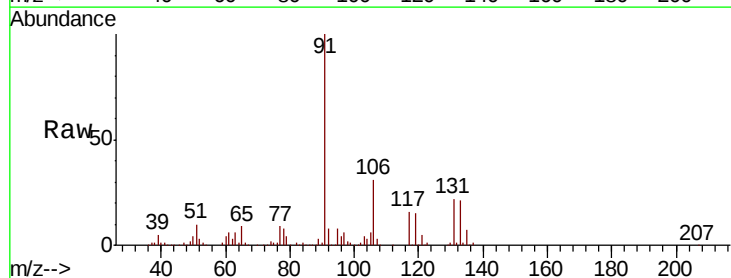
Manual Integrations
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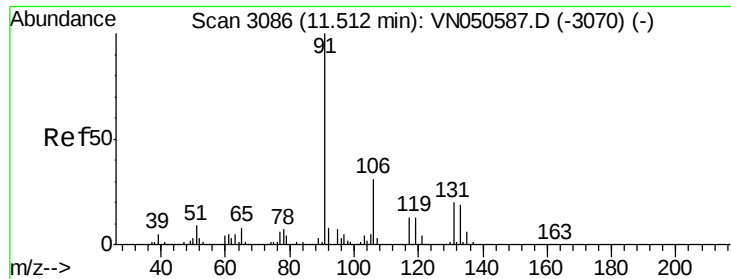
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.93 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.6	142.9
119	66.1	33.1	99.3





#67

Ethyl Benzene

Concen: 18.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

Tot Ion: 91 Resp: 586851

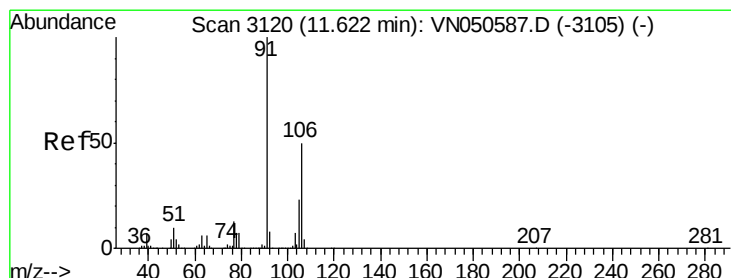
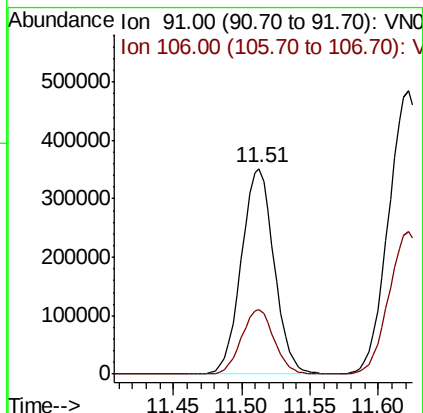
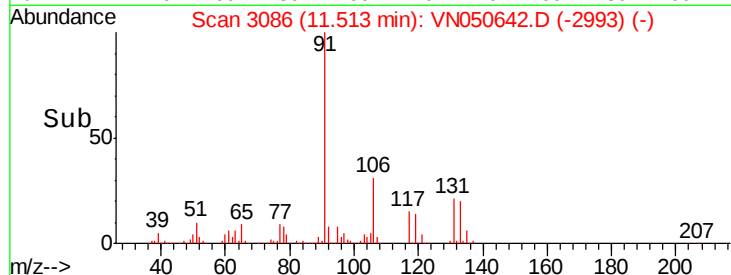
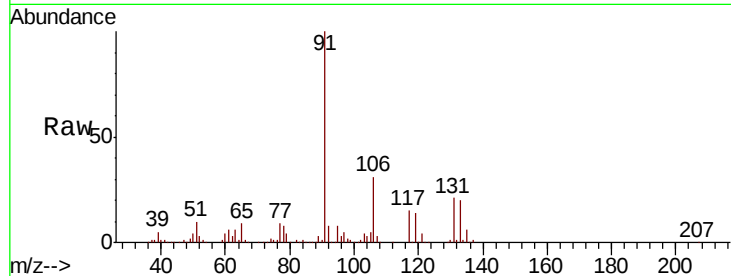
Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 37.12 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050642.D

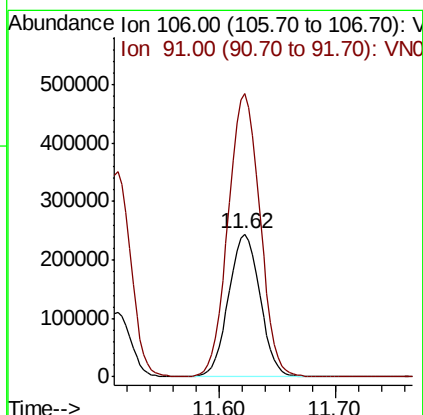
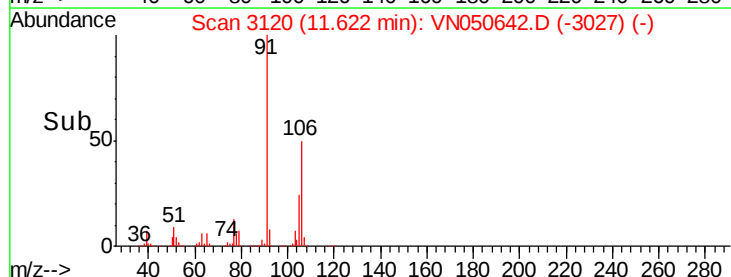
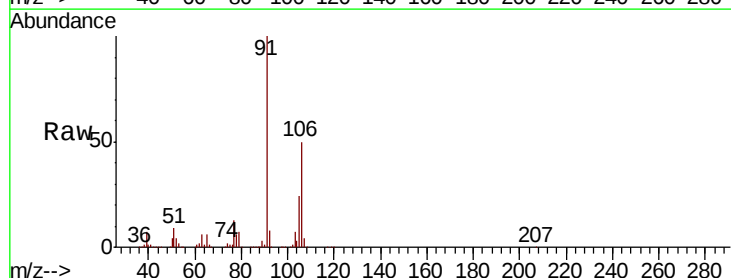
Acq: 15 Aug 2018 9:52

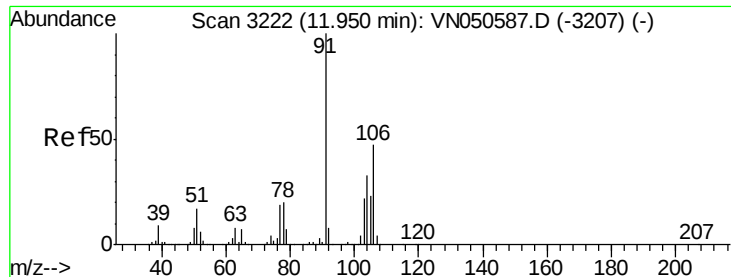
Tgt Ion: 106 Resp: 460740

Ion Ratio Lower Upper

106 100

91 200.2 161.5 242.3





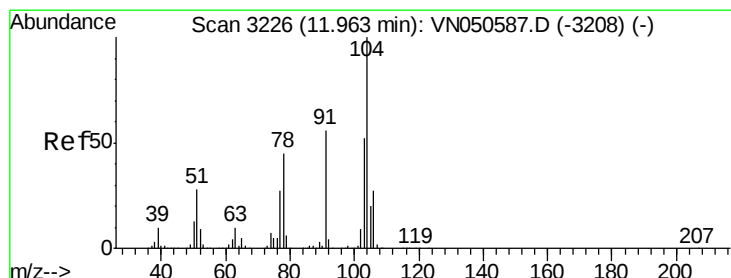
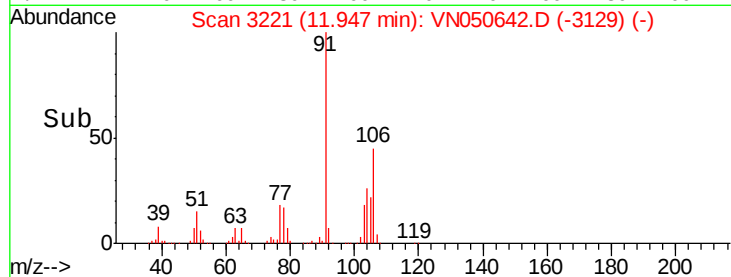
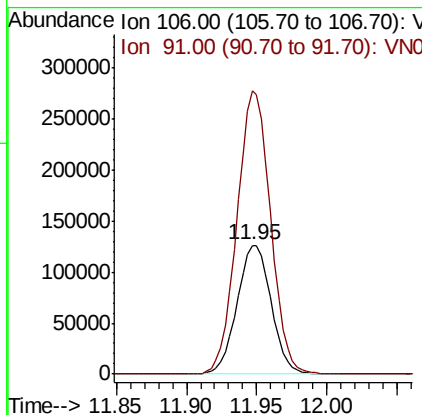
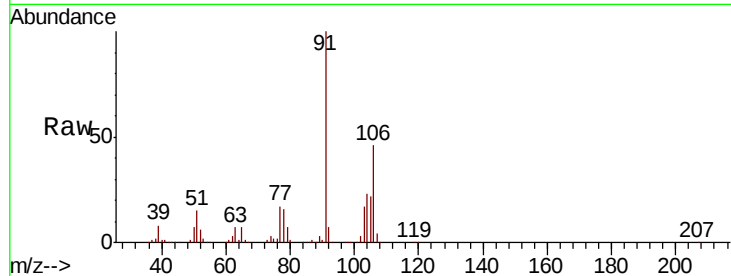
#69
o-Xylene
Concen: 18.07 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	213913		
91	216.9	106.8	320.4	

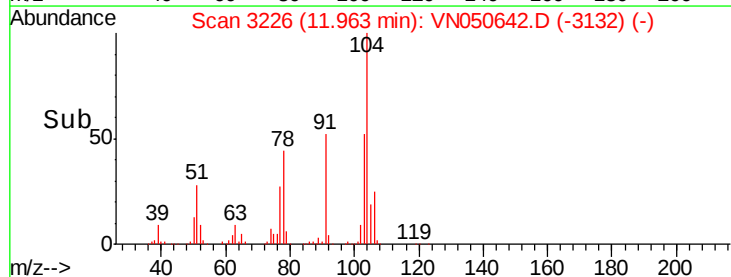
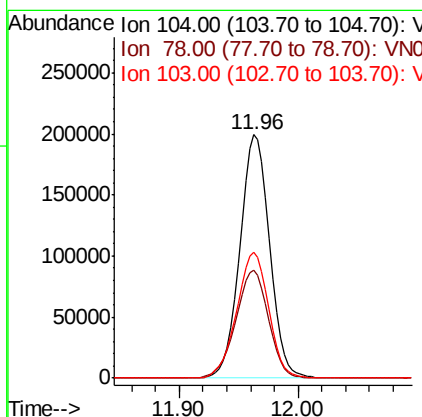
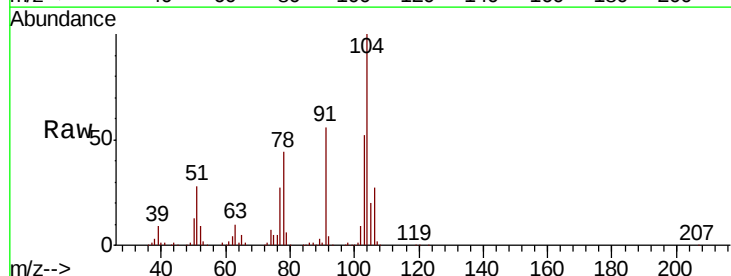
Manual Integrations
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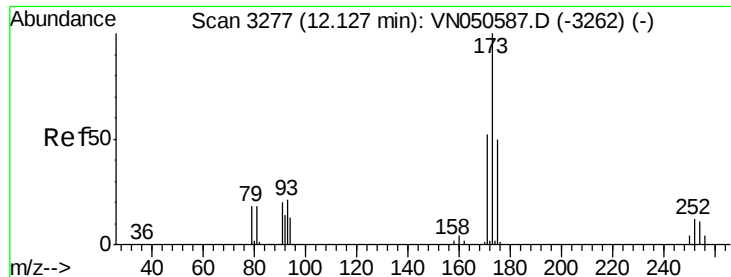
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#70
Styrene
Concen: 17.02 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	345079		
78	48.9	39.1	58.7	
103	55.7	44.9	67.3	





#71

Bromoform

Concen: 17.76 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

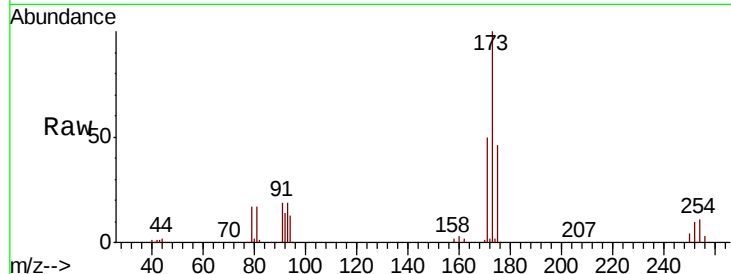
ClientSampleId :

VN0815WBS01

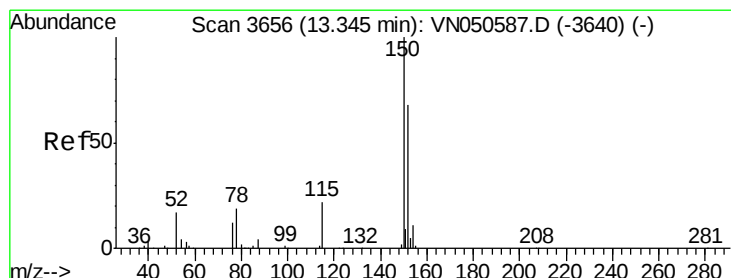
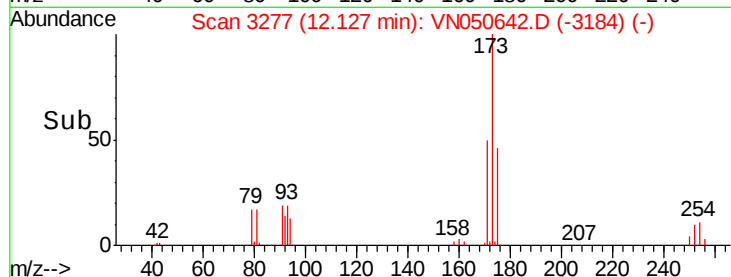
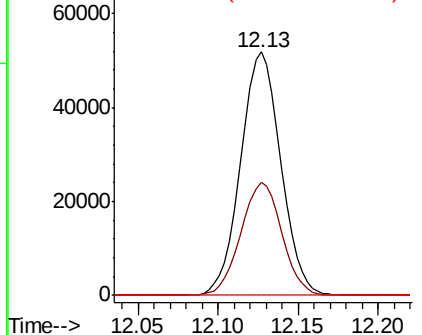
Tot Ion:	173	Resp:	88739
Ion Ratio	Lower	Upper	
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0

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

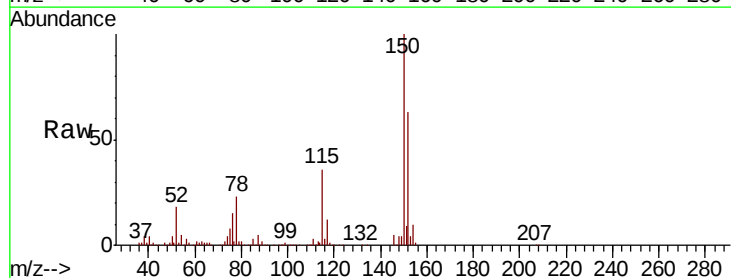
RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

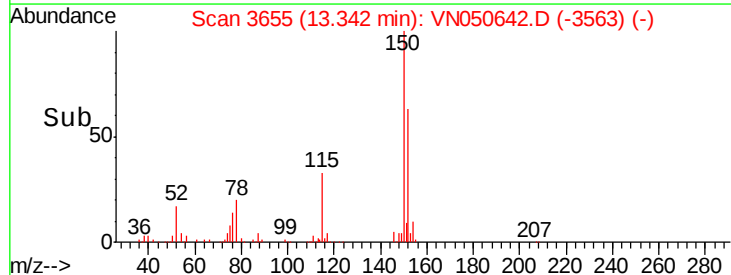
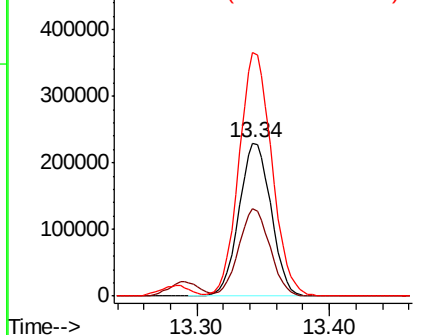
Lab File: VN050642.D

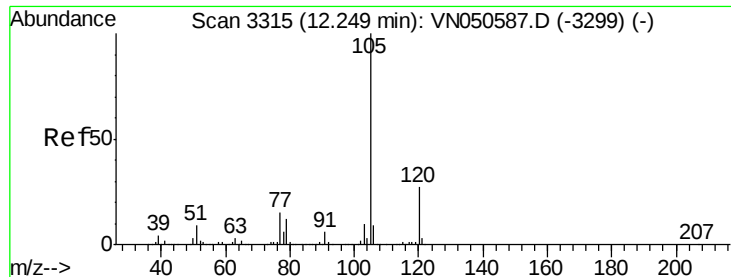
Acq: 15 Aug 2018 9:52

Tgt Ion:	152	Resp:	383366
Ion Ratio	Lower	Upper	
152	100		
115	55.9	28.1	84.2
150	163.8	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: 19.01 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 105 Resp: 569348

Ion Ratio Lower Upper

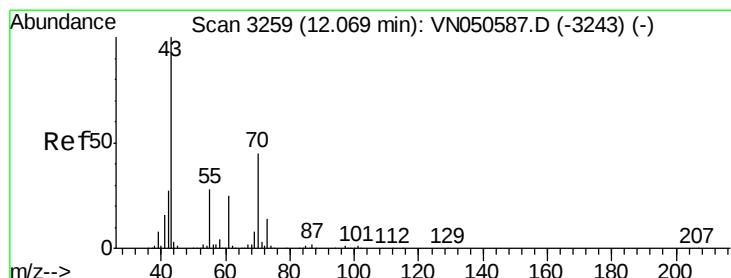
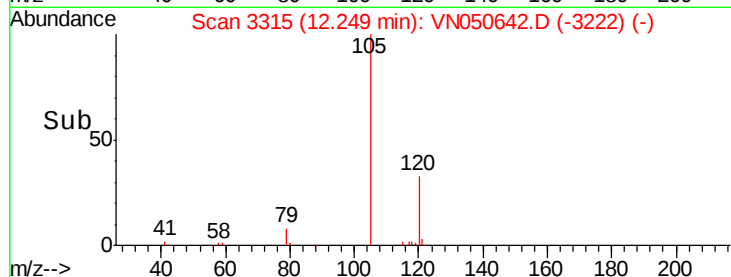
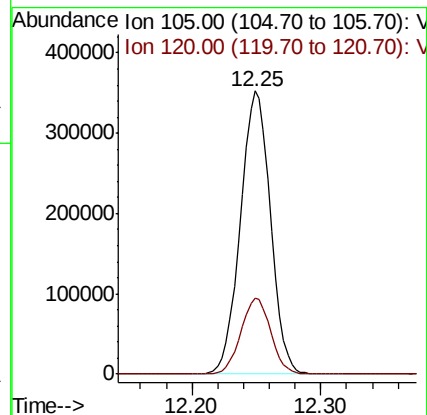
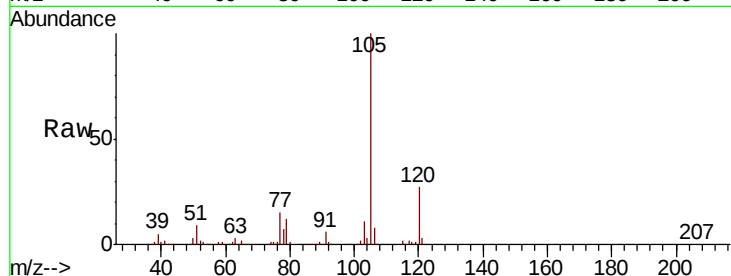
105 100

120 26.7 13.4 40.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 17.32 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion: 43 Resp: 135008

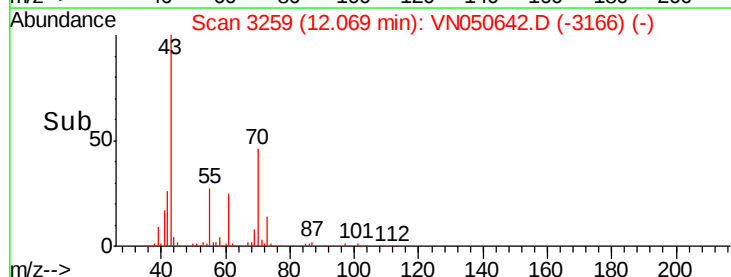
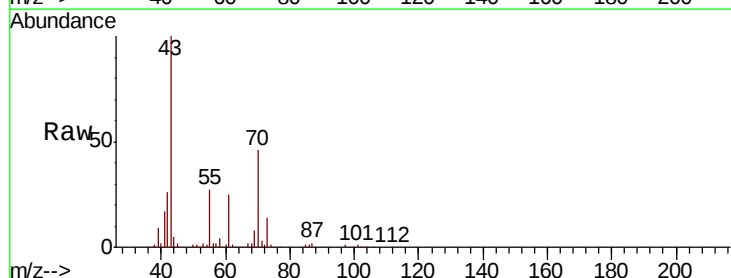
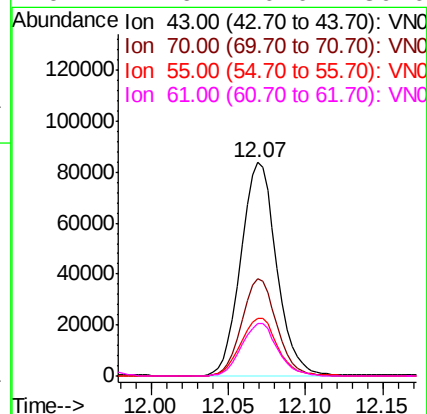
Ion Ratio Lower Upper

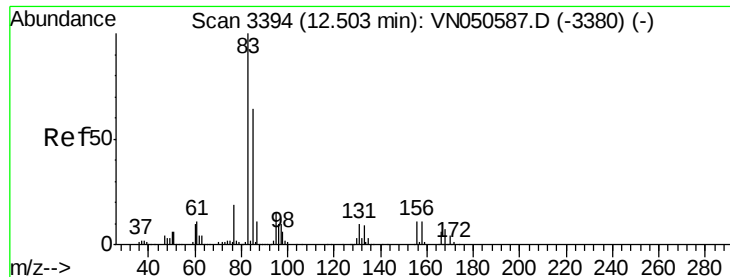
43 100

70 44.3 35.9 53.9

55 28.0 22.2 33.4

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.27 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

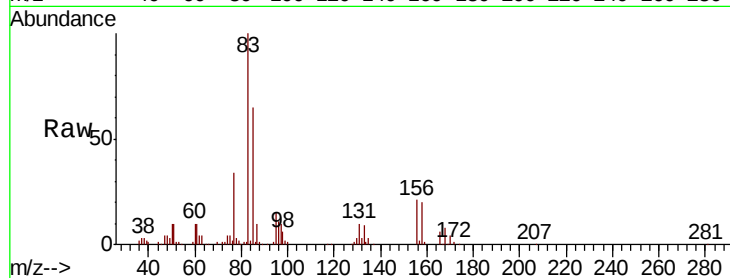
ClientSampled :

VN0815WBS01

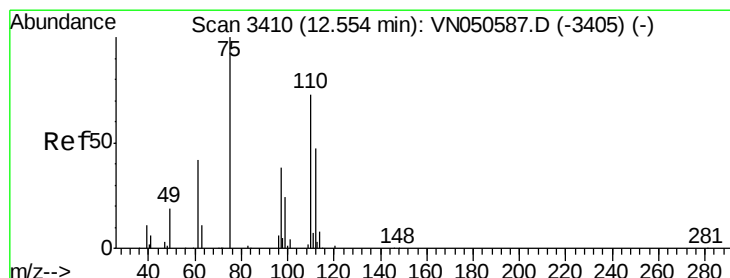
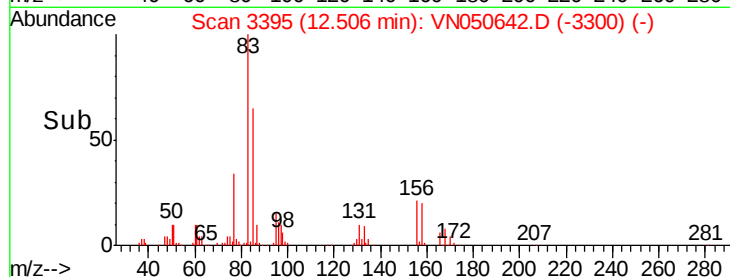
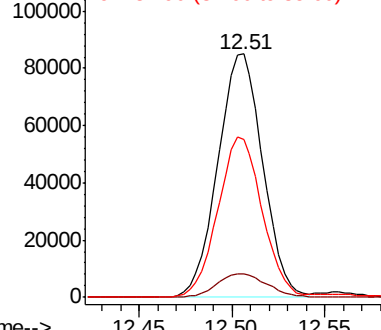
Tot Ion:	83	Resp:	143964
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.9	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 17.57 ug/l m

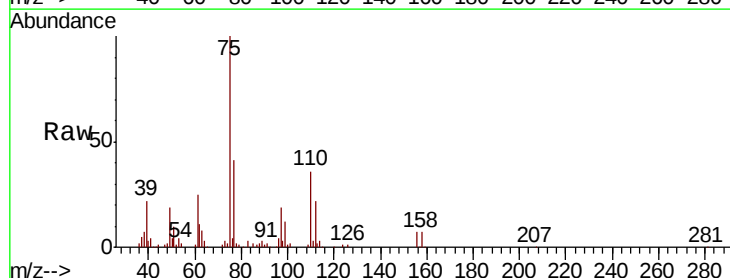
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

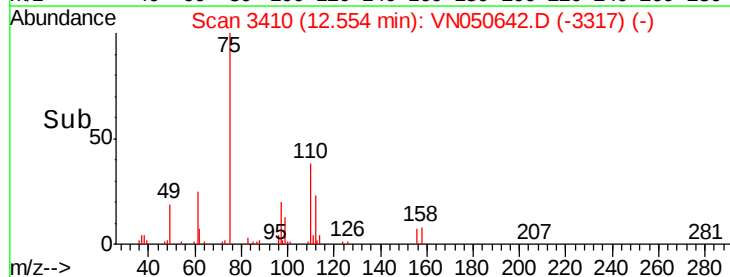
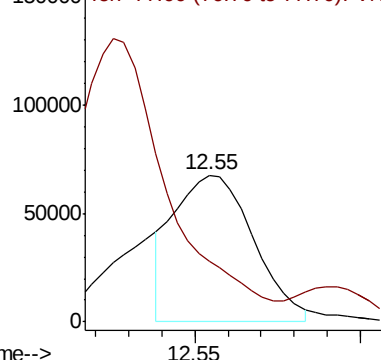
Lab File: VN050642.D

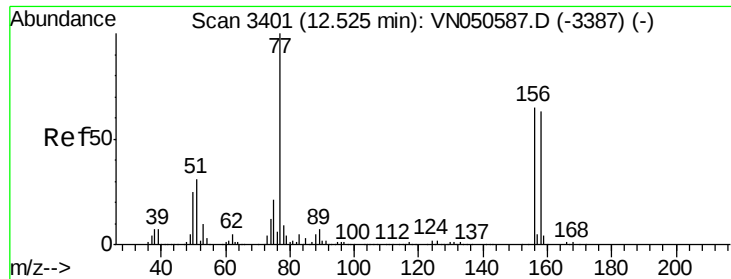
Acq: 15 Aug 2018 9:52

Tgt Ion:	75	Resp:	112951
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)





#77

Bromobenzene

Concen: 17.94 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

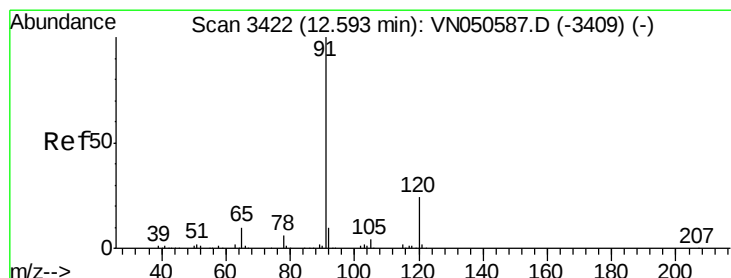
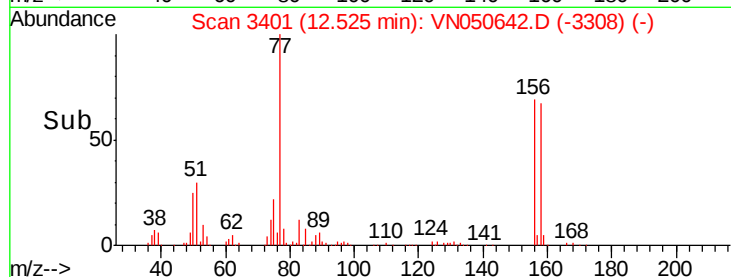
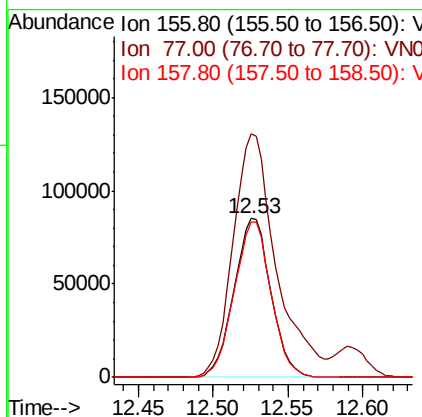
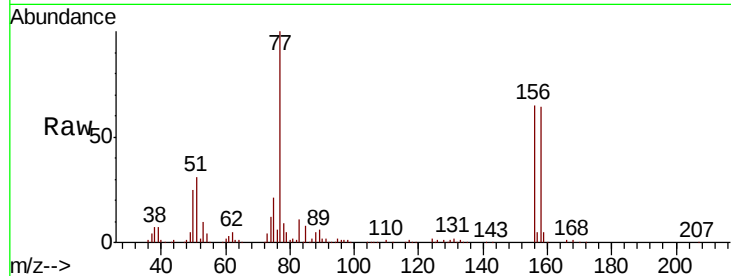
ClientSampleId :

VN0815WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	179.6		89.0	267.1	
158	97.6		48.5	145.6	

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#78

n-propylbenzene

Concen: 19.36 ug/l

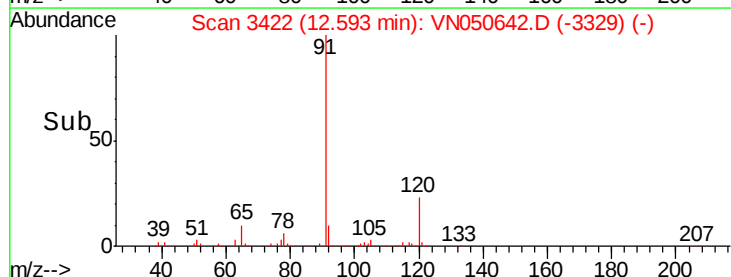
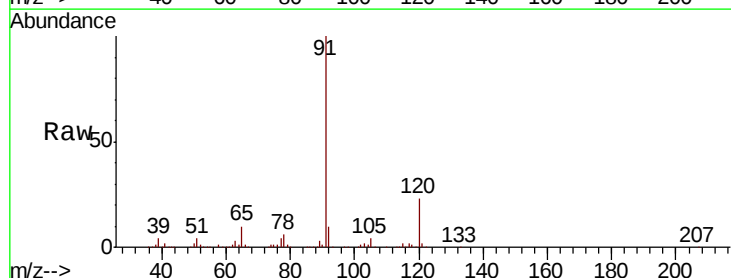
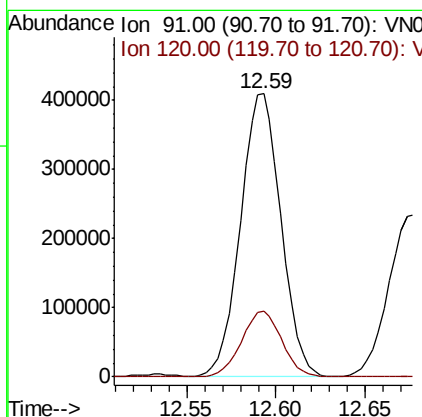
RT: 12.59 min Scan# 3422

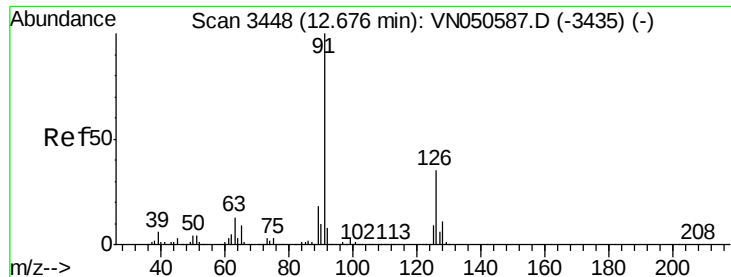
Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.2		11.8	35.4	





#79

2-Chlorotoluene

Concen: 18.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

Tot Ion: 91 Resp: 390591

Ion Ratio Lower Upper

91 100

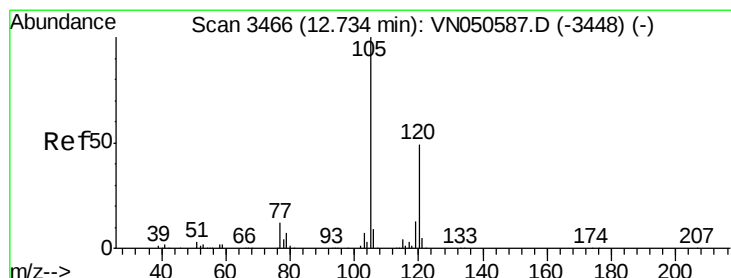
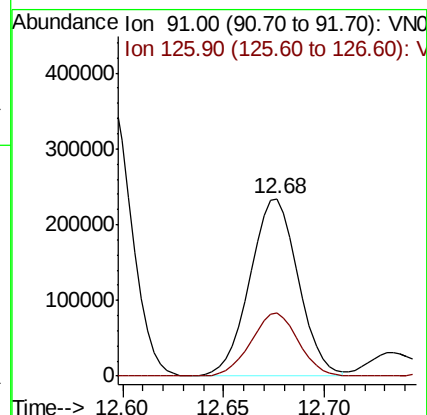
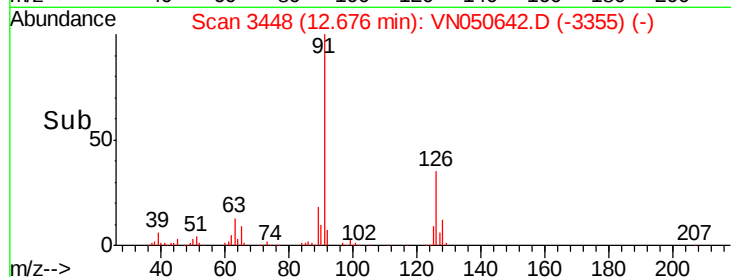
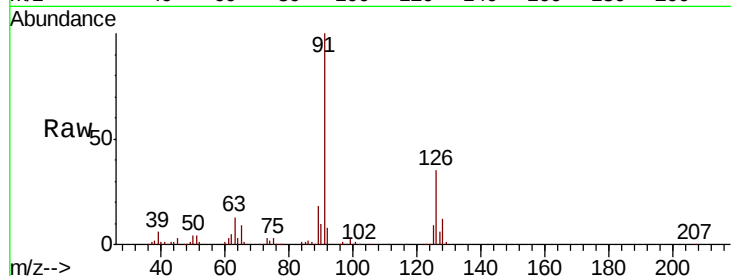
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050642.D

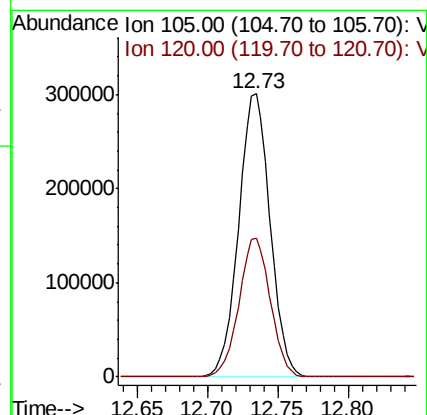
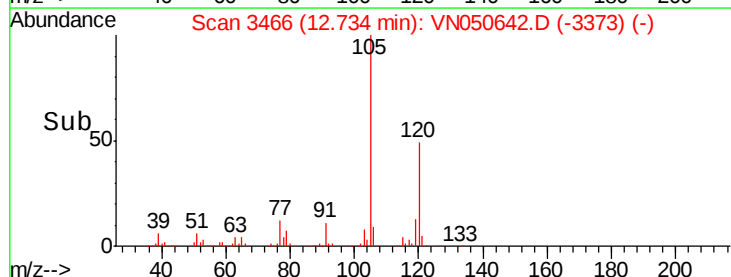
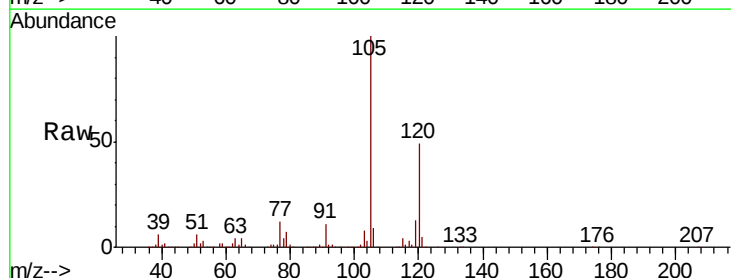
Acq: 15 Aug 2018 9:52

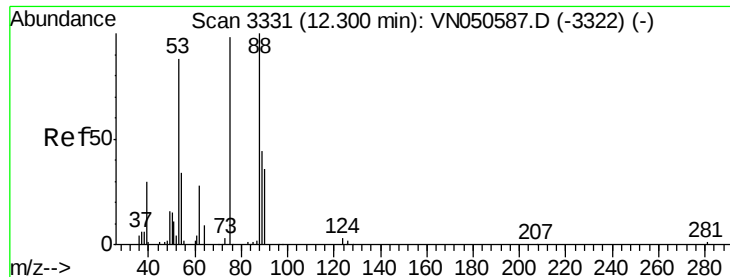
Tgt Ion: 105 Resp: 468671

Ion Ratio Lower Upper

105 100

120 49.0 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 18.99 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

Tot Ion: 75 Resp: 32741

Ion Ratio Lower Upper

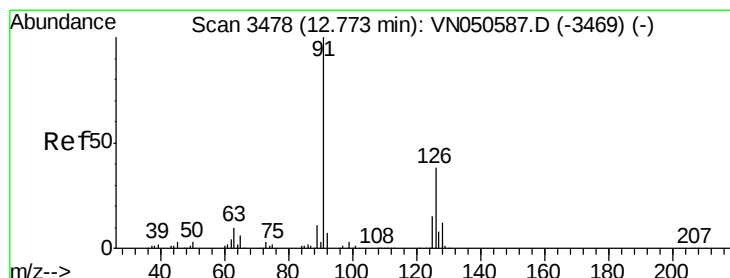
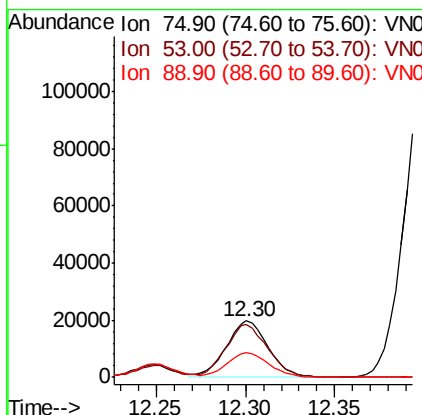
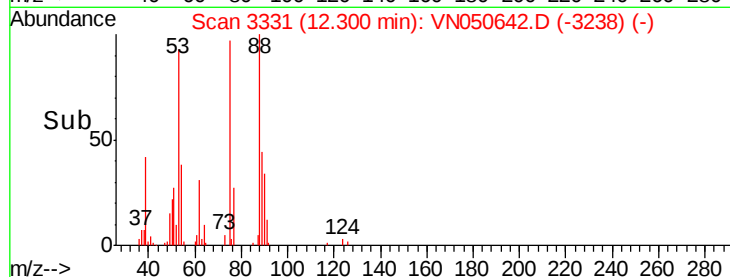
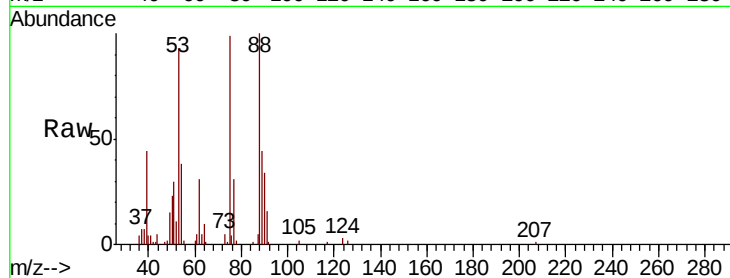
75 100

53 93.6 72.2 108.2

89 43.7 36.3 54.5

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#82

4-Chlorotoluene

Concen: 18.73 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050642.D

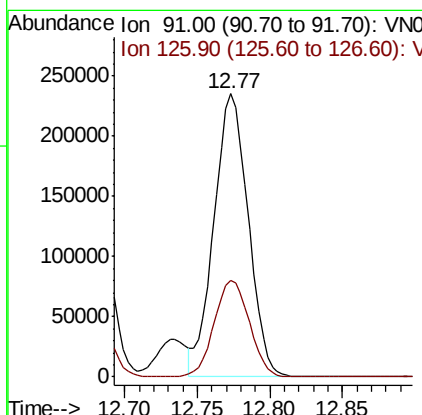
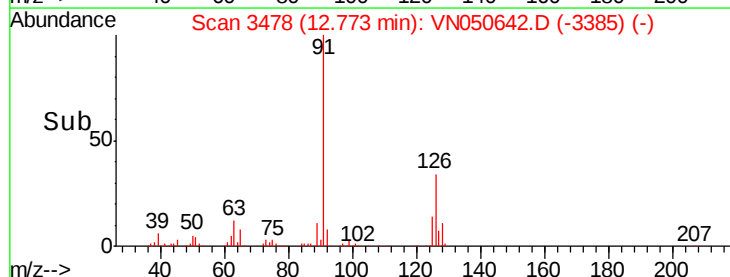
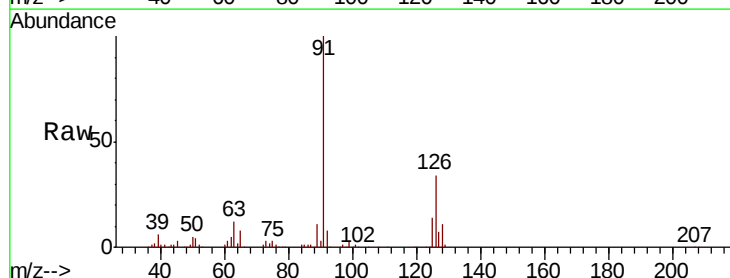
Acq: 15 Aug 2018 9:52

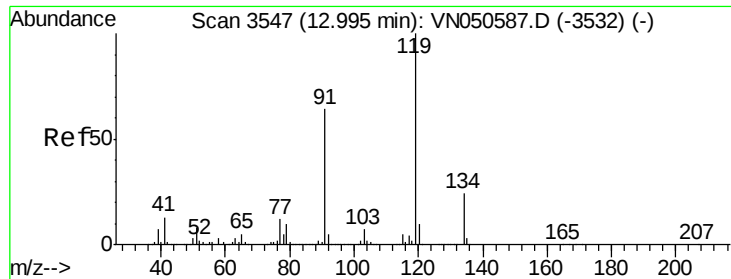
Tgt Ion: 91 Resp: 385454

Ion Ratio Lower Upper

91 100

126 35.0 17.3 52.0





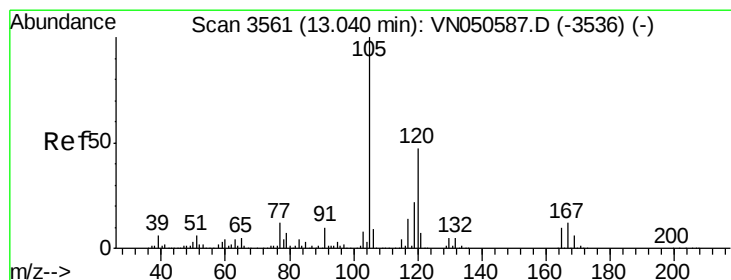
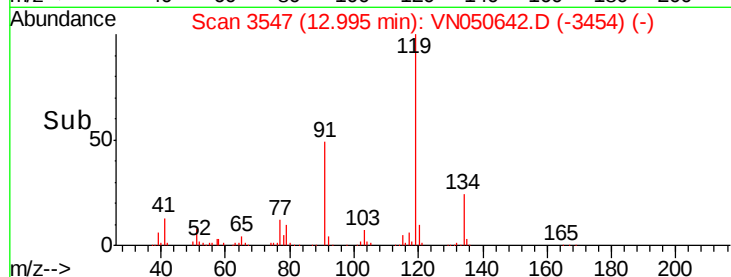
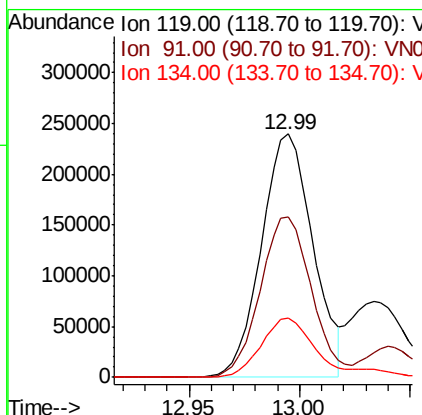
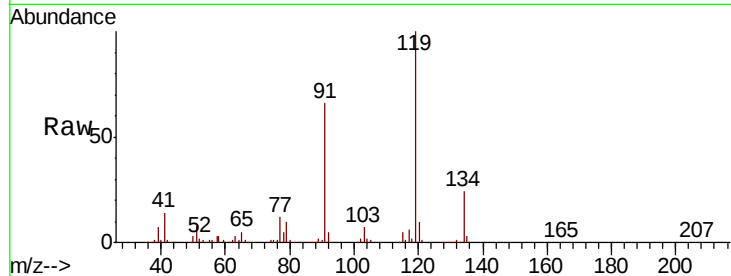
#83
tert-Butylbenzene
Concen: 18.66 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	388360		
91	65.9	32.2	96.6	
134	24.9	13.4	40.2	

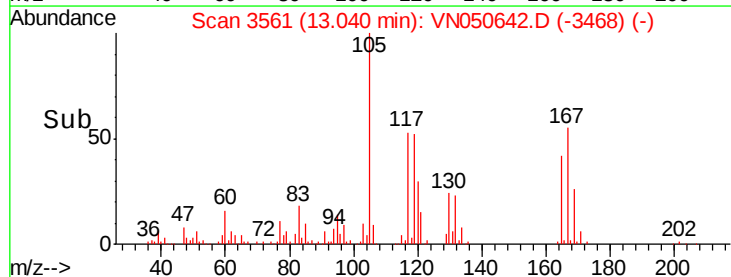
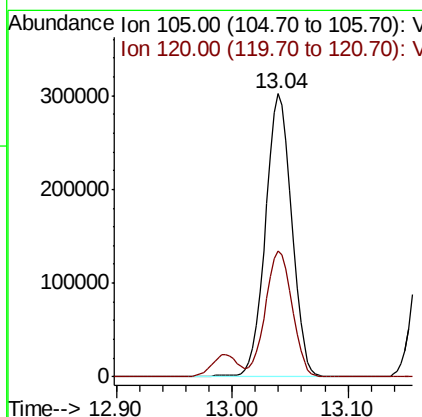
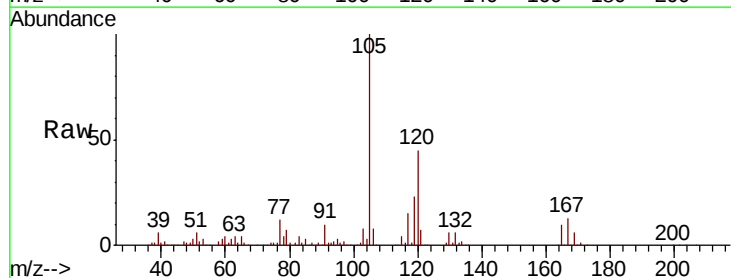
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 19.71 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	474448		
120	45.5	23.2	69.5	





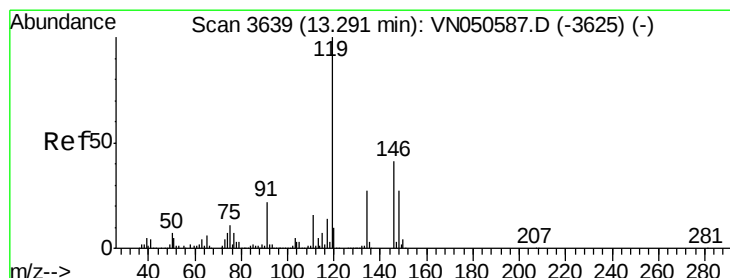
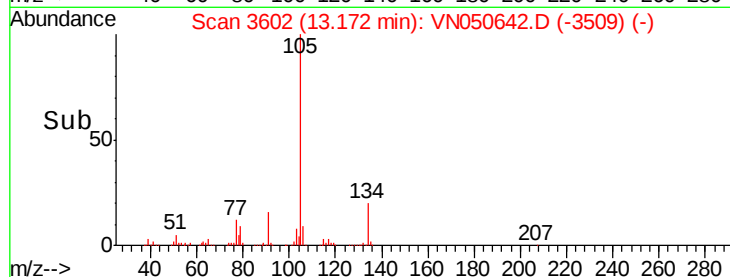
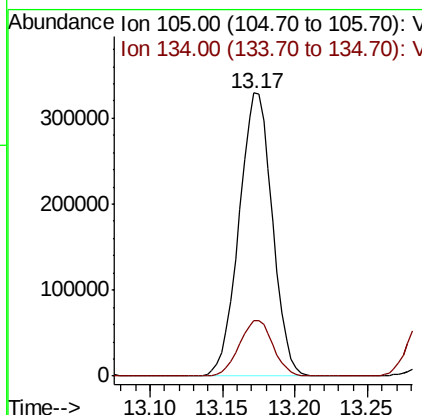
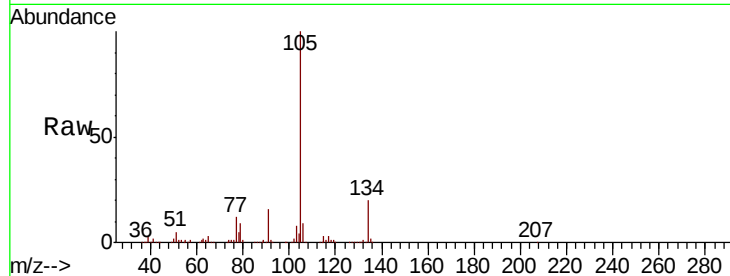
#85
 sec-Butylbenzene
 Concen: 19.26 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	523855		
134	20.1	10.1	30.3	

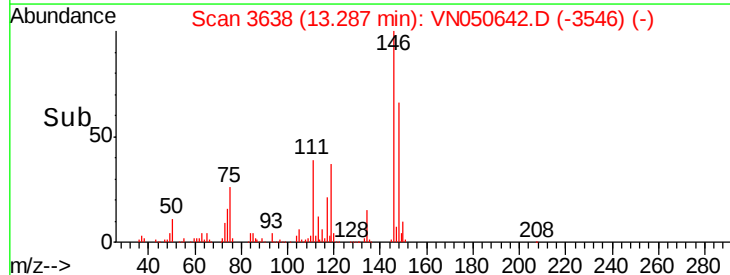
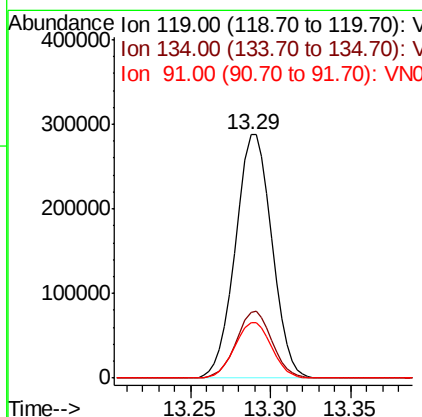
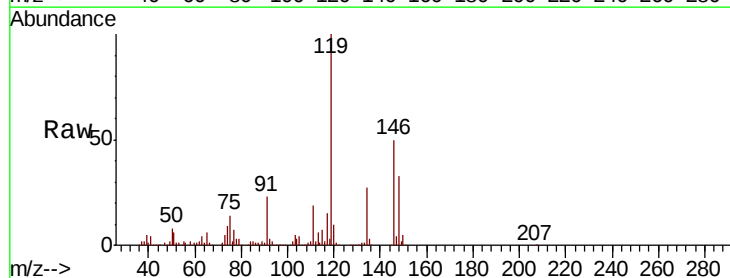
Manual Integrations
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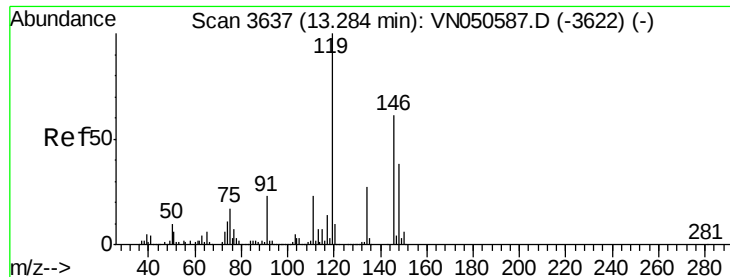
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#86
 p-Isopropyltoluene
 Concen: 19.31 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	445014		
134	27.0	13.5	40.4	
91	23.0	11.2	33.6	





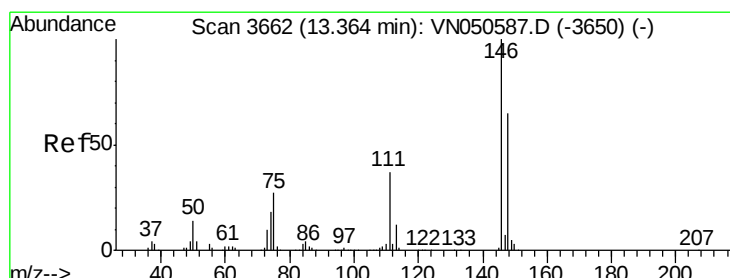
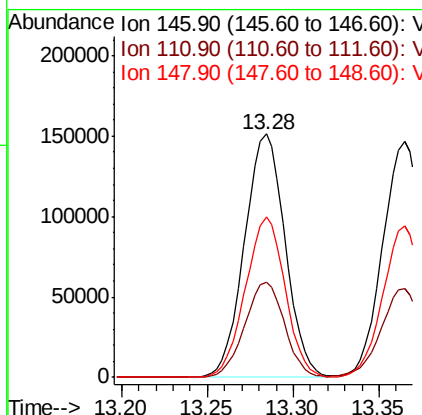
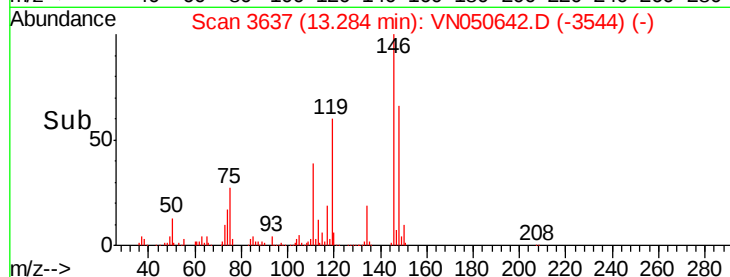
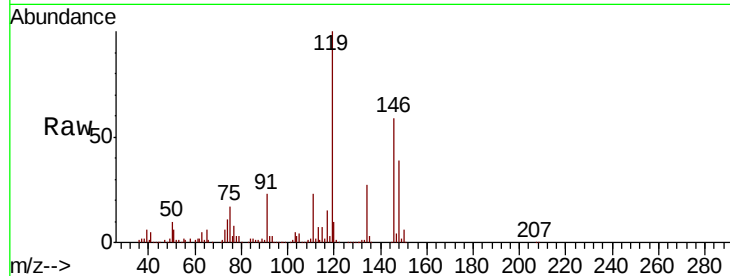
#87
 1,3-Dichlorobenzene
 Concen: 17.94 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	248346		
111	38.3	19.2	57.6	
148	64.4	31.9	95.7	

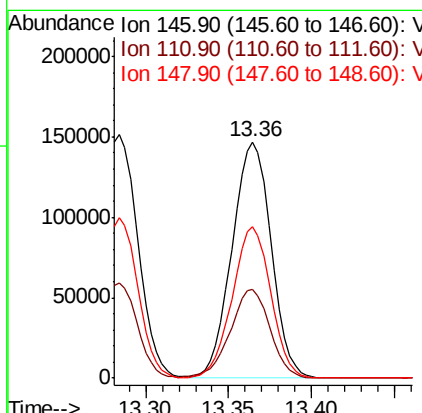
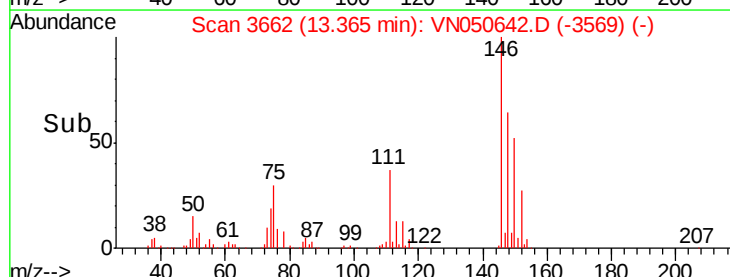
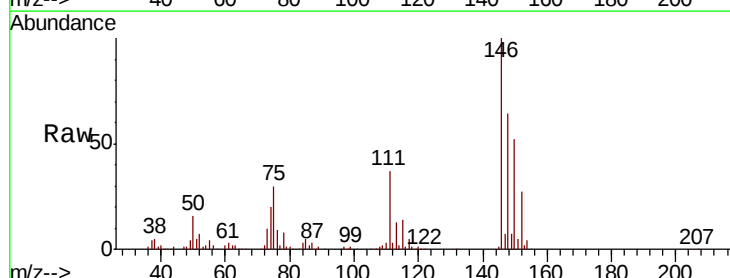
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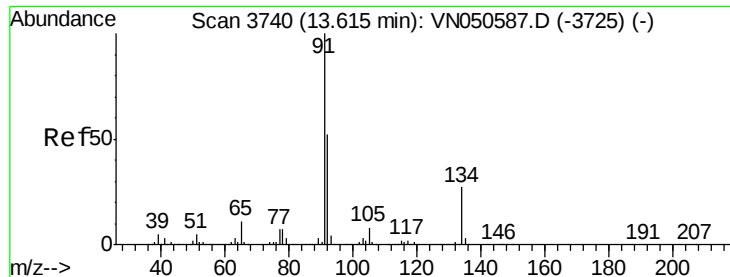
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 8/16/2018 1:18:28 PM



#88
 1,4-Dichlorobenzene
 Concen: 17.55 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	241134		
111	38.2	18.8	56.4	
148	63.4	32.3	96.8	





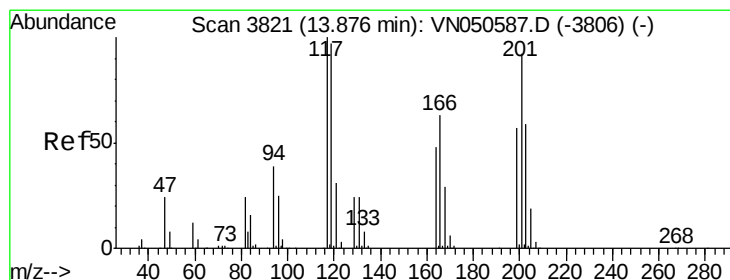
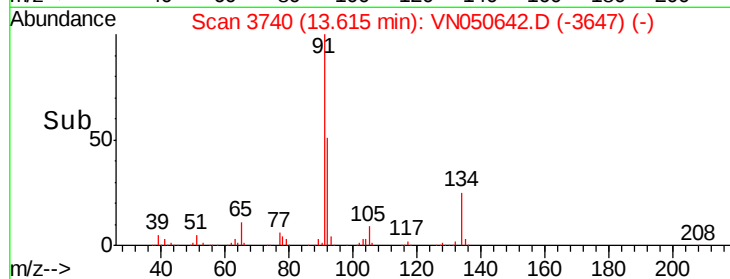
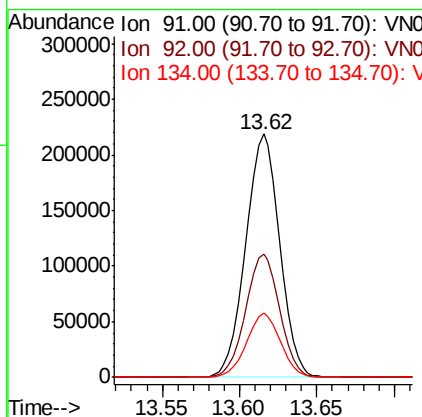
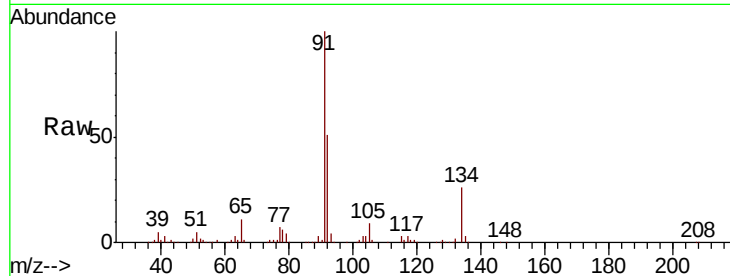
#89
n-Butylbenzene
Concen: 18.04 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	26.3	78.8
134	26.1	13.3	39.9

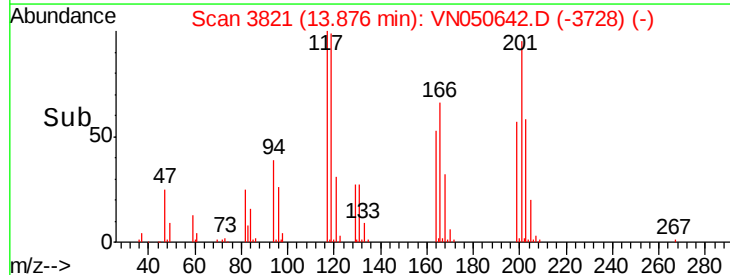
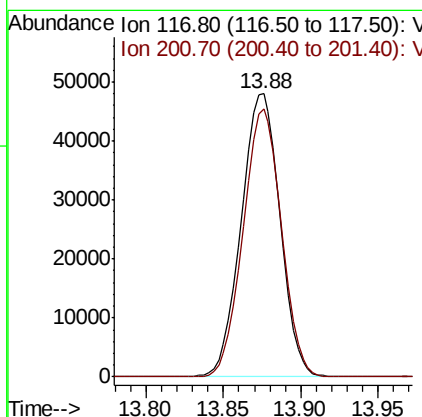
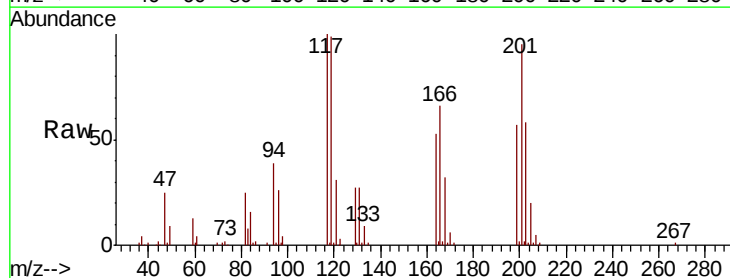
Manual Integrations
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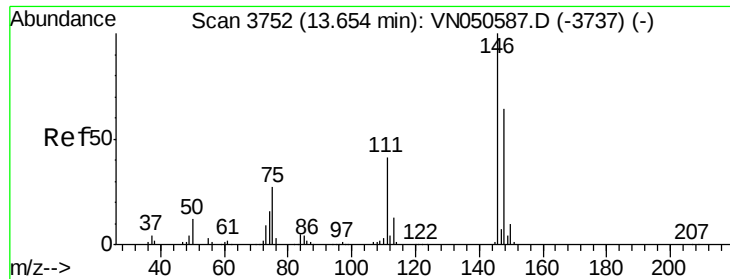
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#90
Hexachloroethane
Concen: 18.11 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	45.5	136.5





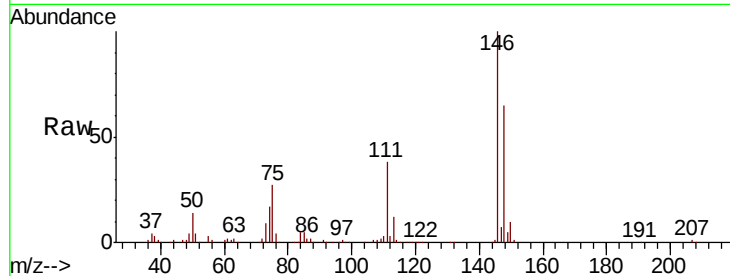
#91
 1,2-Dichlorobenzene
 Concen: 17.81 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	240584		
111	39.1	19.8	59.4	
148	64.4	32.3	96.8	

Manual Integrations
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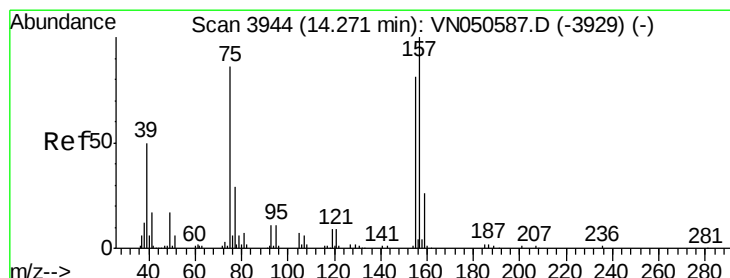
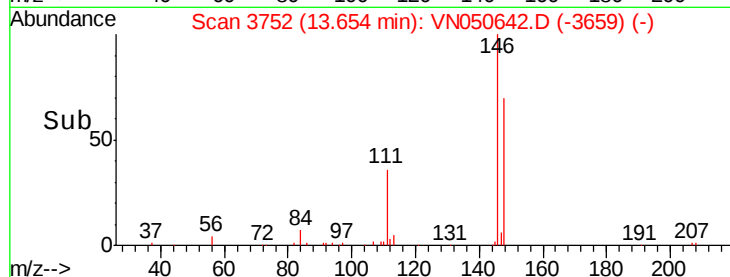
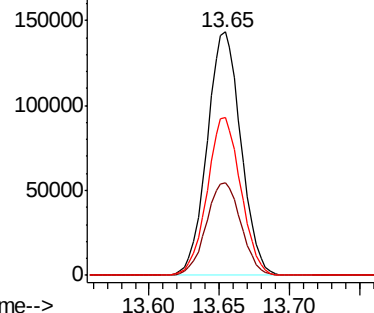


Abundance

Ion 145.90 (145.60 to 146.60): V

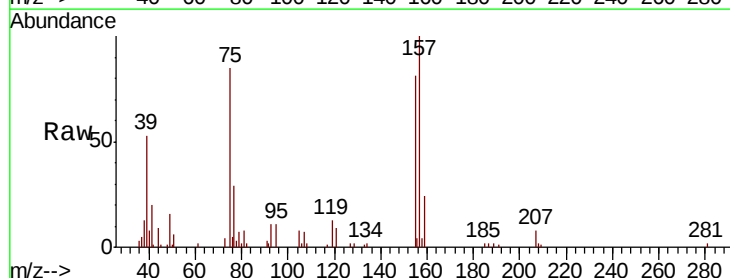
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.60 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18811		
155	90.8	46.6	139.8	
157	115.5	58.1	174.2	

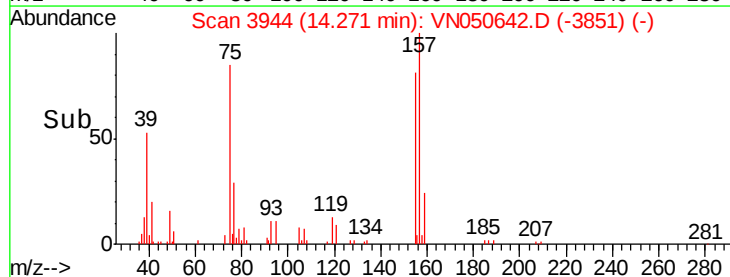
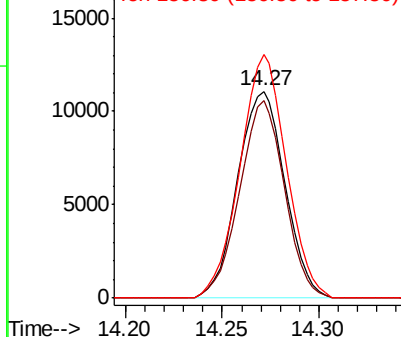


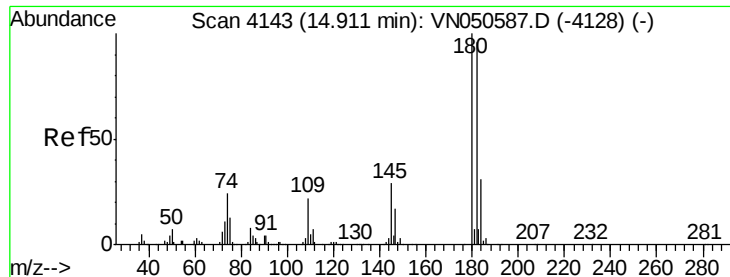
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





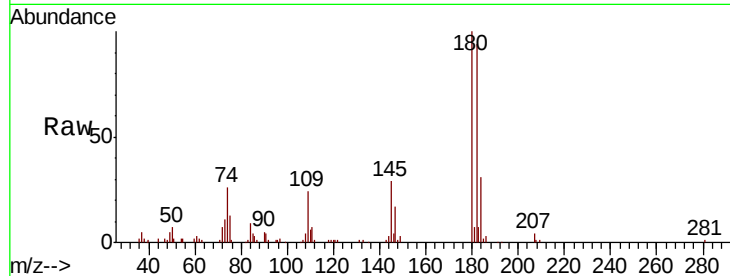
#93
 1,2,4-Trichlorobenzene
 Concen: 16.12 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion:	180	Resp:	98439
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.7
145	28.8	14.4	43.4

Manual Integrations
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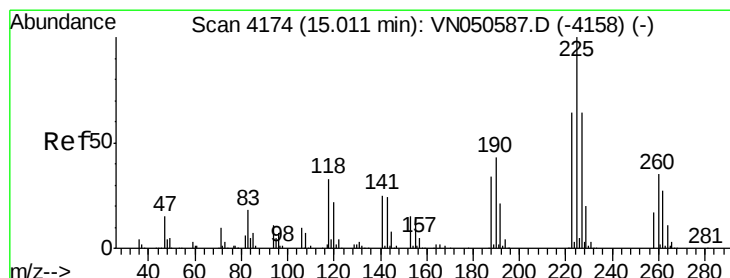
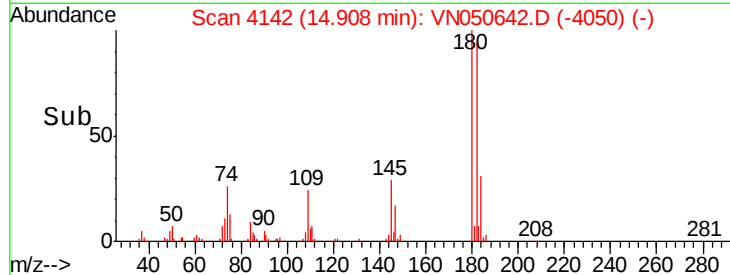
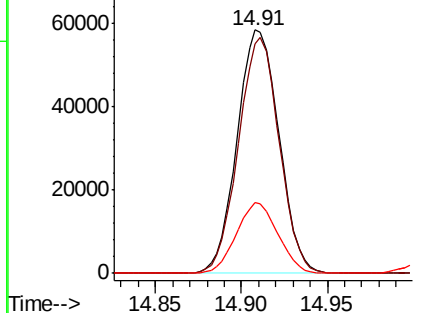


Abundance

Ion 179.80 (179.50 to 180.50): V

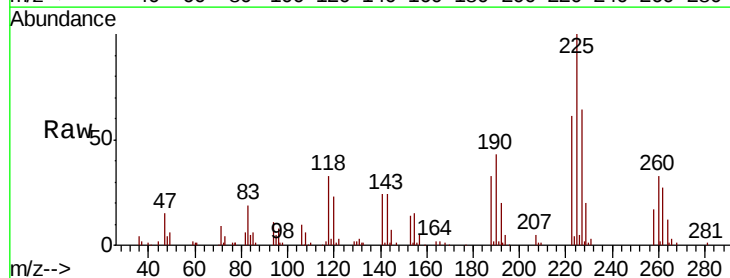
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion:	225	Resp:	76813
Ion Ratio	Lower	Upper	
225	100		
223	60.6	32.1	96.3
227	62.7	32.0	96.2

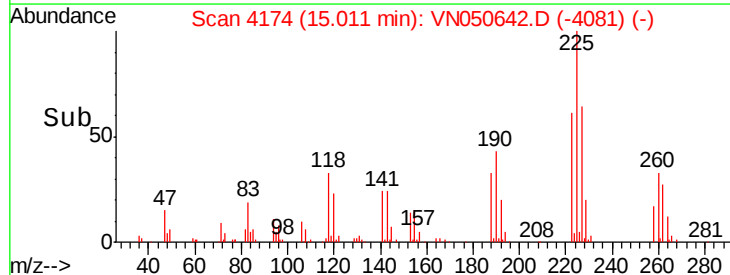
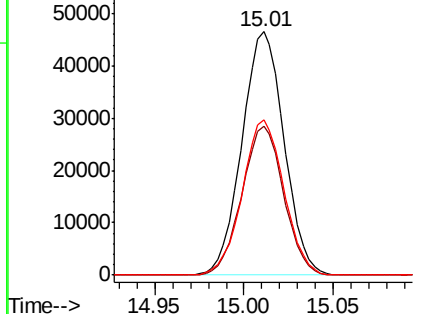


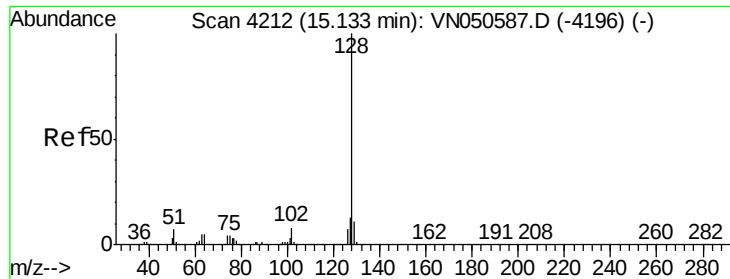
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





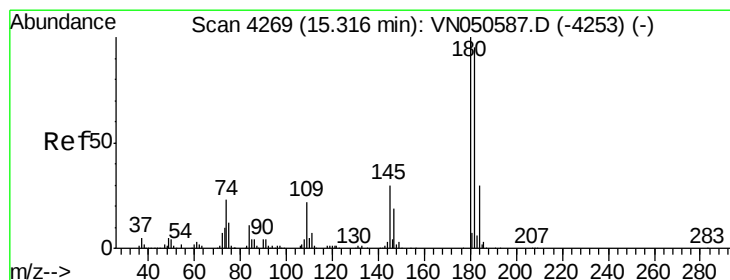
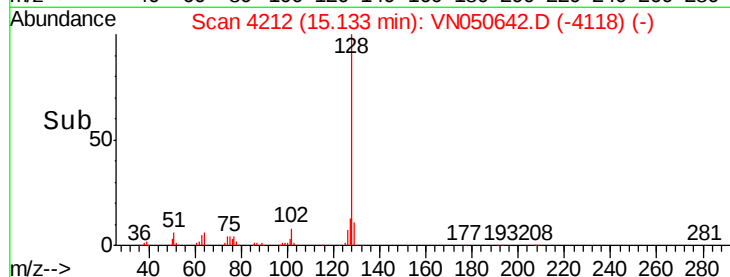
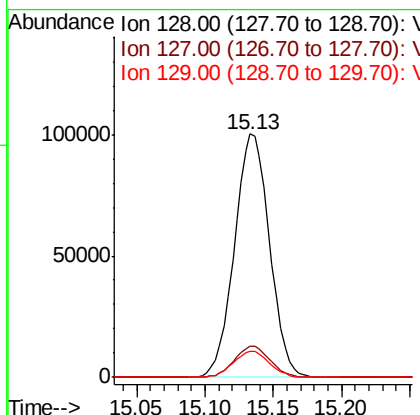
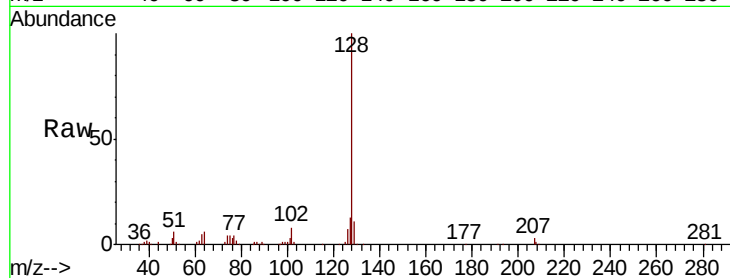
#95
Naphthalene
Concen: 15.05 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178839		
127	13.0		10.3	15.5
129	11.0		8.5	12.7

Manual Integrations
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8/16/2018 1:18:28 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.21 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96158		
182	98.6		47.3	141.8
145	30.0		14.6	44.0

