

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049363.D
 Acq On : 19 Jun 2018 00:40
 Operator : MD\SY
 Sample : VN0618WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:45 PM

Quant Time: Jun 19 04:12:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1376314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2125983	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	915504	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	993159	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.59	113	877649	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
50) Toluene-d8	10.09	98	3299509	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.40	95	1082691	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	285648	18.032	ug/l	99
3) Chloromethane	2.06	50	369595	18.068	ug/l	99
4) Vinyl Chloride	2.18	62	417983	19.226	ug/l	100
5) Bromomethane	2.56	94	200754	17.566	ug/l	94
6) Chloroethane	2.70	64	267784	20.658	ug/l	100
7) Trichlorofluoromethane	3.01	101	551079	20.319	ug/l	99
8) Diethyl Ether	3.41	74	204034	21.548	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	343086	19.945	ug/l	93
10) Methyl Iodide	3.95	142	318831	17.805	ug/l	91
11) Tert butyl alcohol	4.80	59	124194	115.917	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	314476	19.928	ug/l	89
13) Acrolein	3.61	56	77954	69.381	ug/l	99
14) Allyl chloride	4.32	41	500576	20.089	ug/l	89
15) Acrylonitrile	4.99	53	612300	114.291	ug/l	98
16) Acetone	3.82	43	430105	97.040	ug/l #	88
17) Carbon Disulfide	4.05	76	890669	18.007	ug/l	99
18) Methyl Acetate	4.33	43	344470	25.489	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	908137	22.571	ug/l	98
20) Methylene Chloride	4.55	84	381646	20.617	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	339026	20.292	ug/l	94
22) Diisopropyl ether	5.96	45	1107691	22.261	ug/l	98
23) Vinyl Acetate	5.90	43	3502731	107.983	ug/l	97
24) 1,1-Dichloroethane	5.85	63	664614	20.869	ug/l	99
25) 2-Butanone	6.84	43	655175	110.086	ug/l	94
26) 2,2-Dichloropropane	6.82	77	385190	14.976	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	393278	21.173	ug/l	88
28) Bromochloromethane	7.20	49	298706	21.155	ug/l #	82
29) Tetrahydrofuran	7.22	42	445758	116.355	ug/l	93
30) Chloroform	7.37	83	665727	21.004	ug/l	99
31) Cyclohexane	7.65	56	555750	20.481	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	567674	20.991	ug/l	96
36) 1,1-Dichloropropene	7.79	75	481222	19.750	ug/l	96
37) Ethyl Acetate	6.94	43	303034	22.877	ug/l #	96
38) Carbon Tetrachloride	7.78	117	506850	20.093	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	489931	18.732	ug/l	98
40) Benzene	8.04	78	1495344	20.018	ug/l	99
41) Methacrylonitrile	7.18	41	129225	18.045	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	473648	20.523	ug/l	95
43) Isopropyl Acetate	8.17	43	597212	23.597	ug/l	97
44) Trichloroethene	8.84	130	399091	20.231	ug/l	95
45) 1,2-Dichloropropane	9.12	63	406258	20.771	ug/l	99
46) Dibromomethane	9.21	93	236144	20.822	ug/l	91
47) Bromodichloromethane	9.40	83	509793	20.455	ug/l	98
48) Methyl methacrylate	9.20	41	271648	22.792	ug/l	89
49) 1,4-Dioxane	9.20	88	74770	454.547	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1528276	115.215	ug/l	94
52) Toluene	10.16	92	920494	20.995	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	462088	19.381	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	546560	19.415	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	345792	21.156	ug/l	96
56) Ethyl methacrylate	10.43	69	411629	21.830	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	570011	21.052	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	562435	92.979	ug/l	95
59) 2-Hexanone	10.75	43	965070	112.851	ug/l	94
60) Dibromochloromethane	10.90	129	376749	20.653	ug/l	98
61) 1,2-Dibromoethane	11.01	107	320791	21.115	ug/l	99
64) Tetrachloroethene	10.63	164	435753	22.504	ug/l	98
65) Chlorobenzene	11.44	112	991515	20.369	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	375120	20.477	ug/l	100
67) Ethyl Benzene	11.51	91	1676116	20.759	ug/l	98
68) m/p-Xylenes	11.63	106	1288842	42.533	ug/l	97
69) o-Xylene	11.95	106	623201	21.353	ug/l	96
70) Styrene	11.97	104	1003305	21.790	ug/l	97
71) Bromoform	12.13	173	257363	21.704	ug/l	98
73) Isopropylbenzene	12.25	105	1661070	20.664	ug/l	98
74) N-amyl acetate	12.07	43	423550	21.512	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	399488	22.946	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	337635m	21.614	ug/l	
77) Bromobenzene	12.53	156	416931	19.637	ug/l	91
78) n-propylbenzene	12.59	91	1837007	20.814	ug/l	99
79) 2-Chlorotoluene	12.68	91	1142409	20.428	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1359990	21.525	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92843	18.785	ug/l	93
82) 4-Chlorotoluene	12.78	91	1127589	20.900	ug/l	98
83) tert-Butylbenzene	13.00	119	1165979	20.831	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1367938	21.795	ug/l	99
85) sec-Butylbenzene	13.17	105	1505903	20.213	ug/l	99
86) p-Isopropyltoluene	13.29	119	1261149	20.261	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	709692	20.318	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	681114	19.674	ug/l	99
89) n-Butylbenzene	13.62	91	916477	18.851	ug/l	98
90) Hexachloroethane	13.88	117	255314	20.679	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	704062	20.552	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58447	20.885	ug/l	85

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	243573	18.784	ug/l	99
94) Hexachlorobutadiene	15.01	225	212711	19.573	ug/l	98
95) Naphthalene	15.14	128	492871	20.493	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	263633	19.446	ug/l	98

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

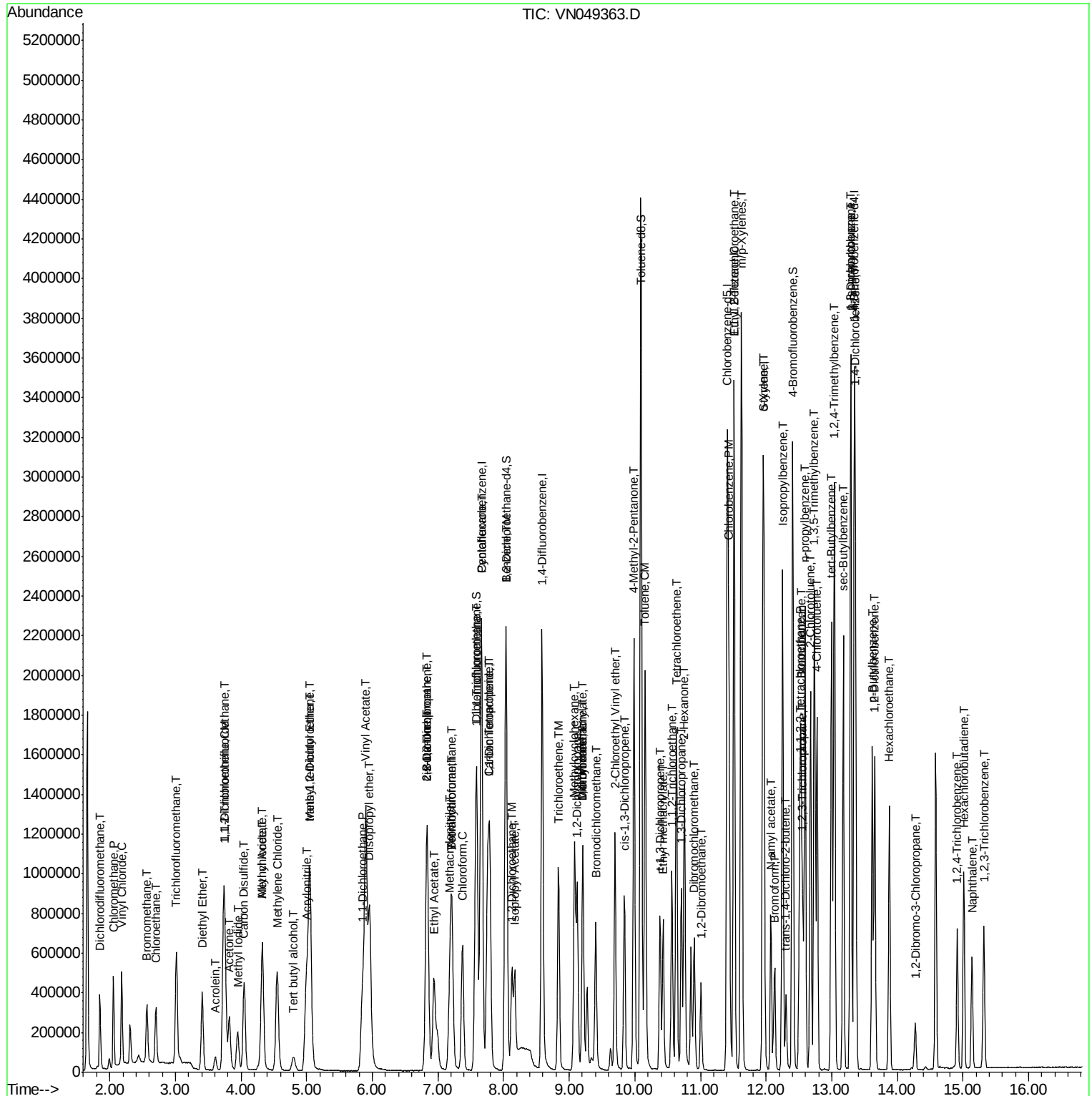
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
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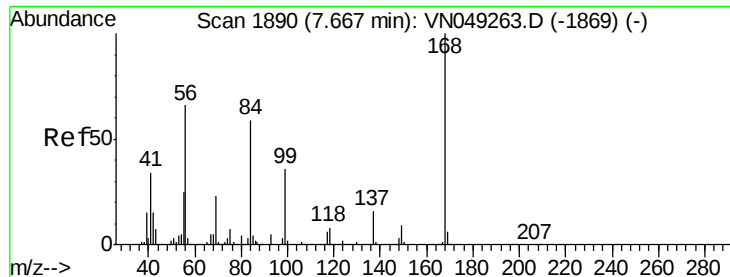
Instrument :
MSVOA_N
Client Sample ID :
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:168 Resp: 1376314

Ion Ratio Lower Upper

168 100

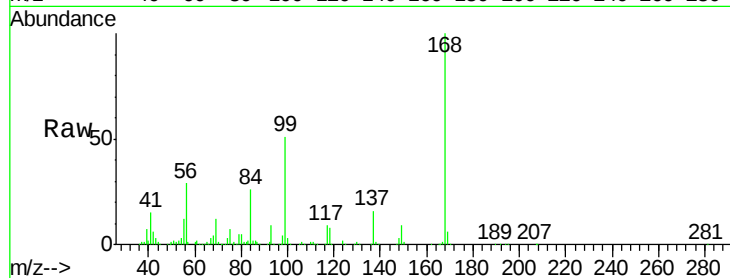
99 51.1 45.8 68.6

Manual Integrations

APPROVED

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6/19/2018 1:55:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

400000

200000

0

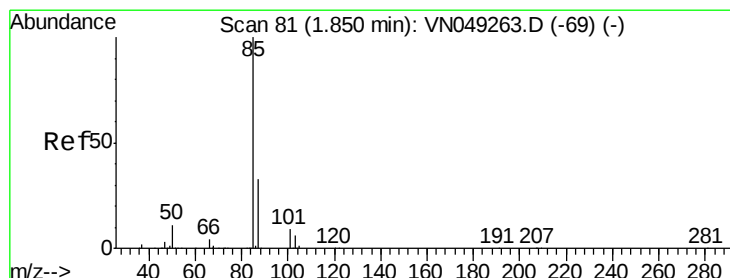
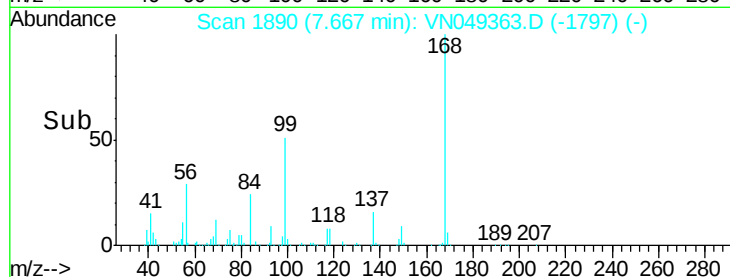
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.032 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049363.D

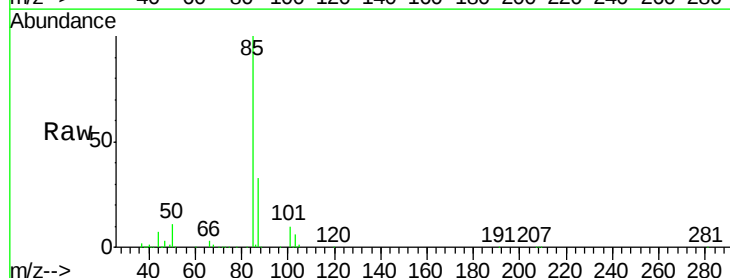
Acq: 19 Jun 2018 00:40

Tgt Ion: 85 Resp: 285648

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

250000

200000

150000

100000

50000

0

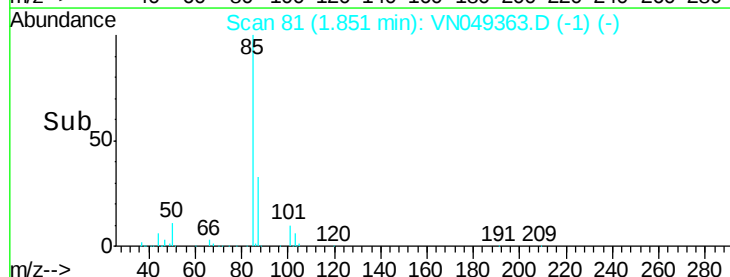
1.85

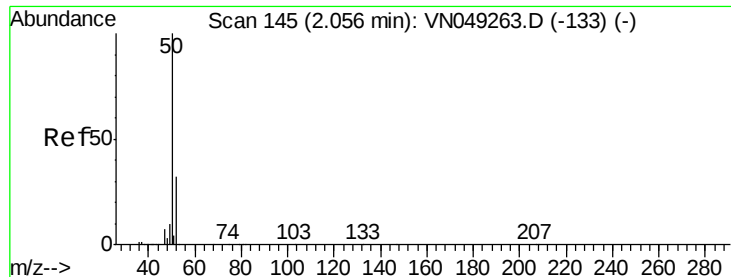
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 18.068 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 50 Resp: 369595

Ion Ratio Lower Upper

50 100

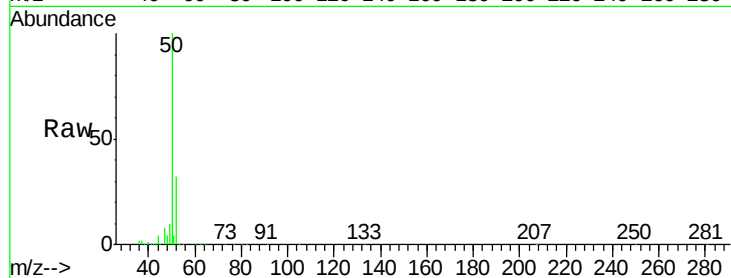
52 32.2 25.2 37.8

Manual Integrations

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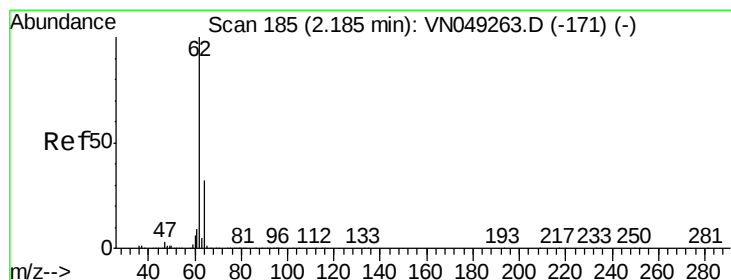
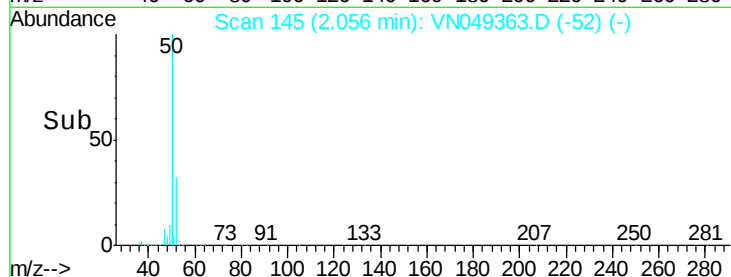
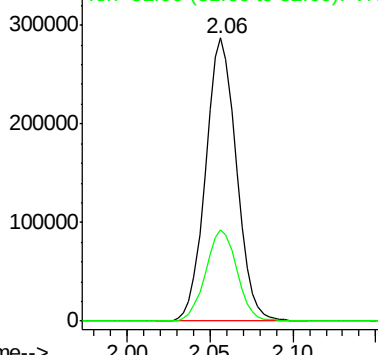
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.226 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049363.D

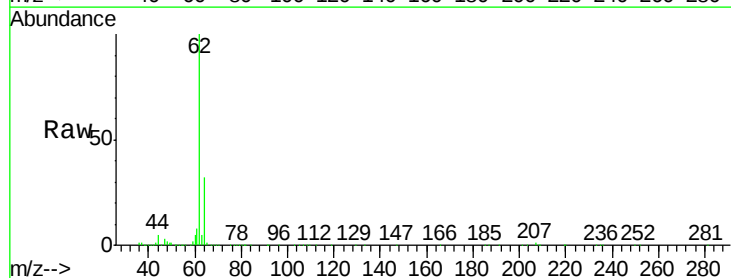
Acq: 19 Jun 2018 00:40

Tgt Ion: 62 Resp: 417983

Ion Ratio Lower Upper

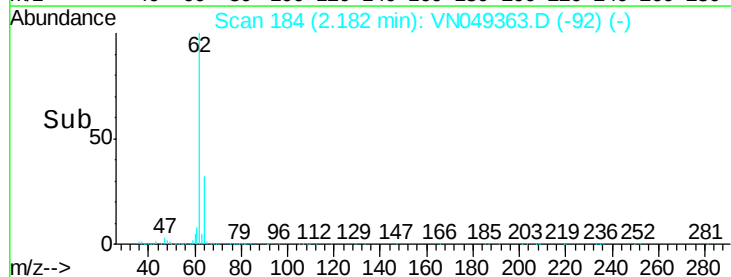
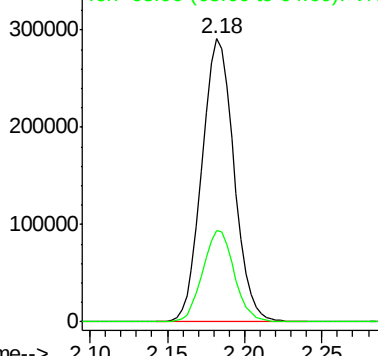
62 100

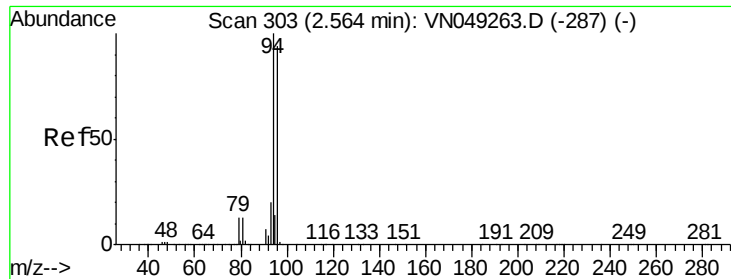
64 32.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.566 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

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Tot Ion: 94 Resp: 200754

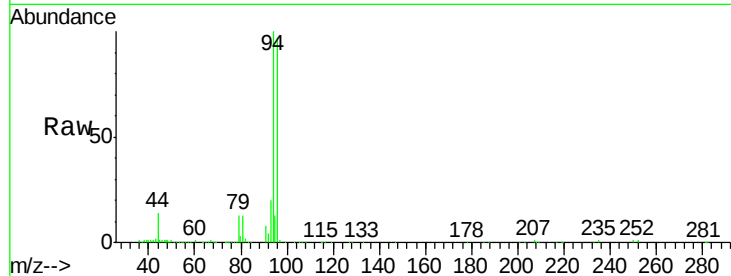
Ion Ratio Lower Upper

94 100

96 97.1 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

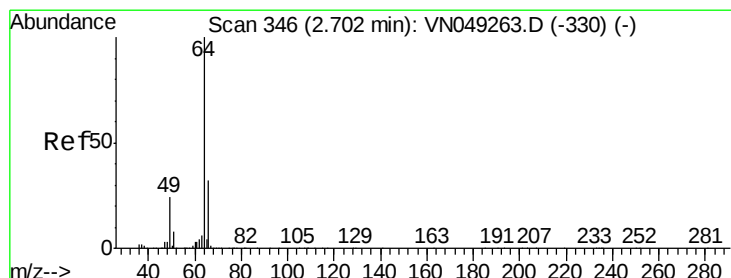
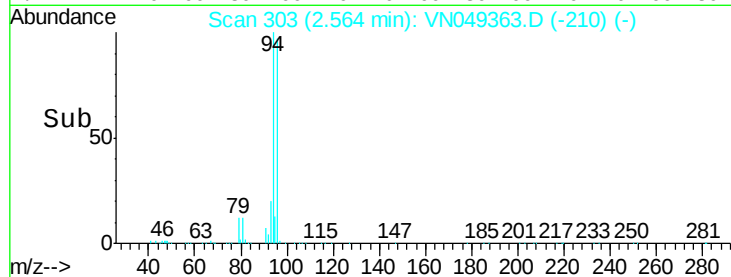
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 20.658 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049363.D

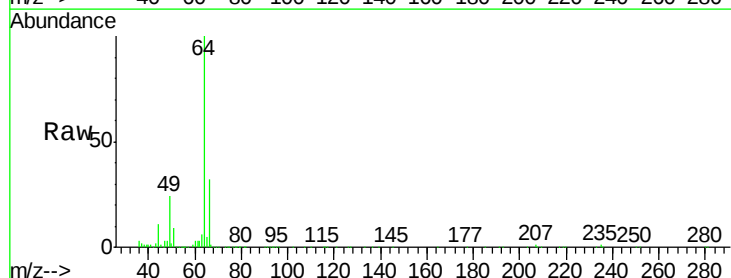
Acq: 19 Jun 2018 00:40

Tgt Ion: 64 Resp: 267784

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

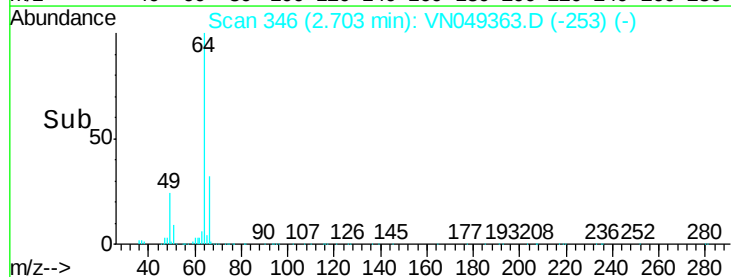
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100000

50000

0

Time-->





#7

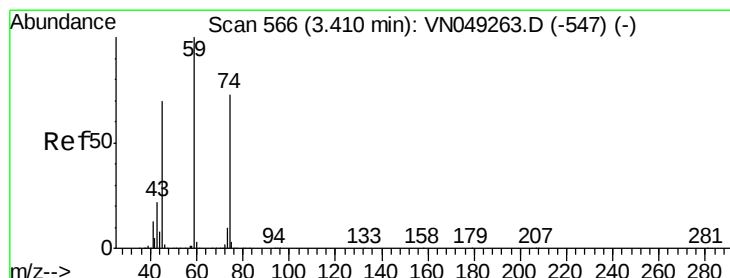
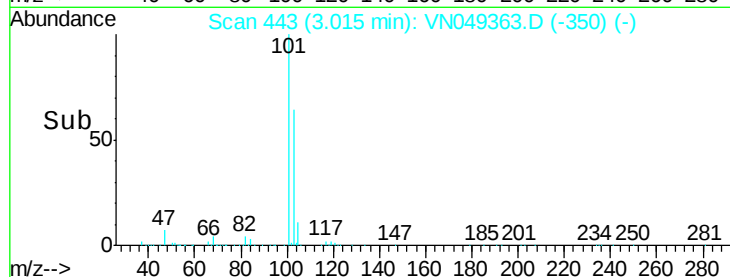
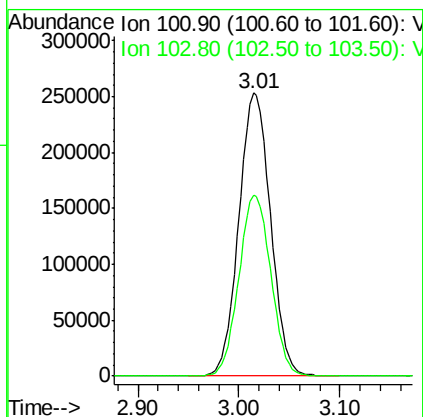
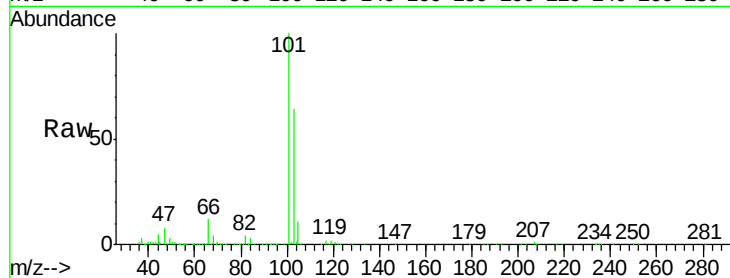
Trichlorofluoromethane
Concen: 20.319 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	63.8	51.7	77.5	

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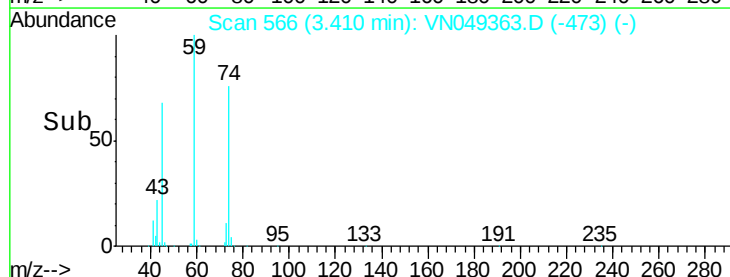
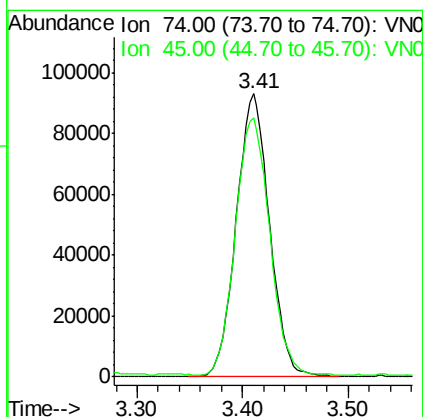
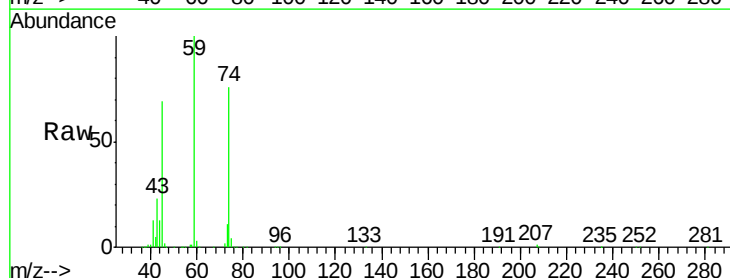
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6/19/2018 1:55:45 PM



#8

Diethyl Ether
Concen: 21.548 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	93.7	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.945 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

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MSVOA_N

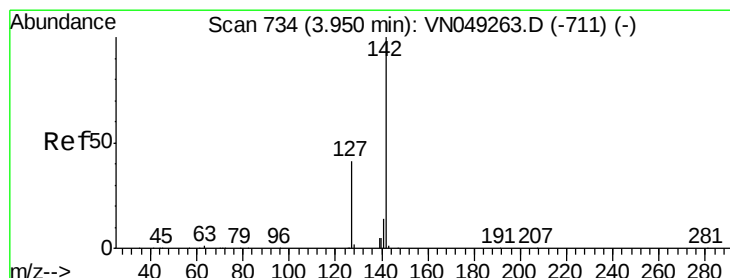
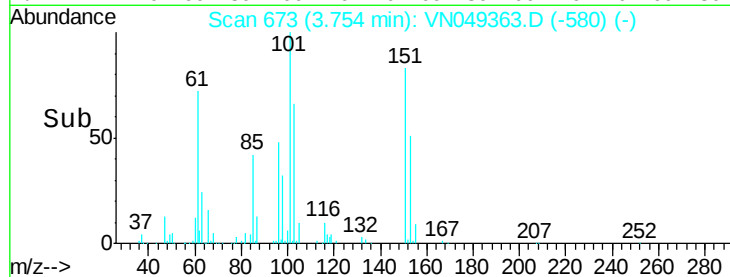
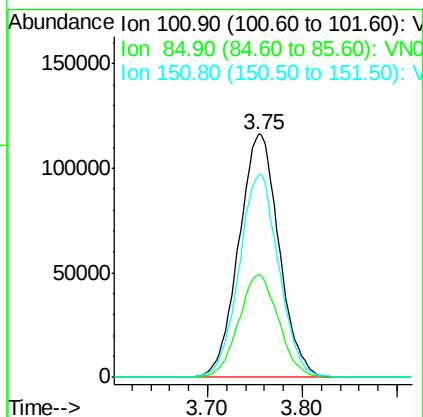
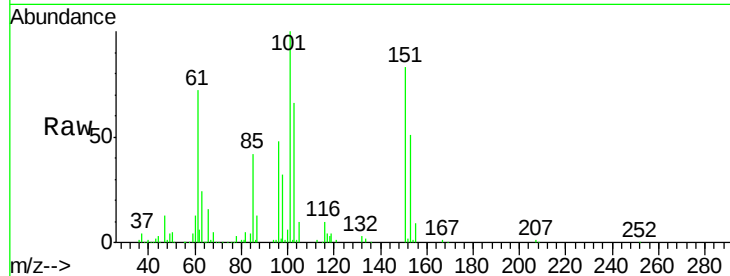
ClientSampleId :

VN0618WBSD02

Tot Ion:	101	Resp:	343086
Ion Ratio	Lower	Upper	
101	100		
85	41.8	37.6	56.4
151	82.4	61.1	91.7

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#10

Methyl Iodide

Concen: 17.805 ug/l

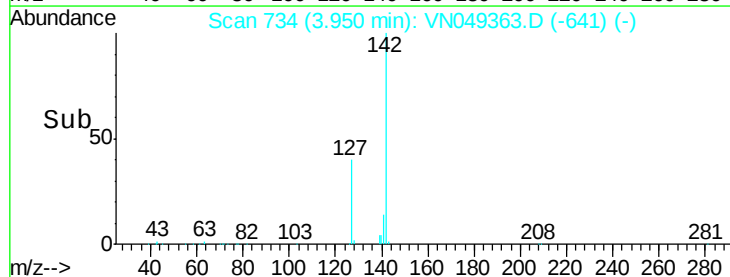
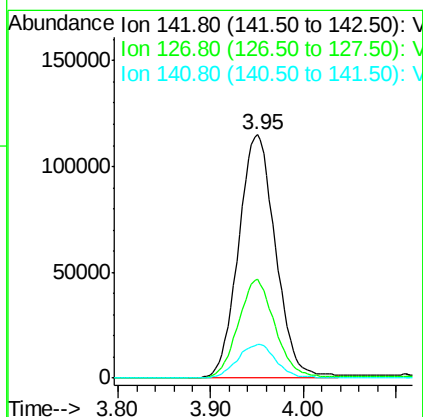
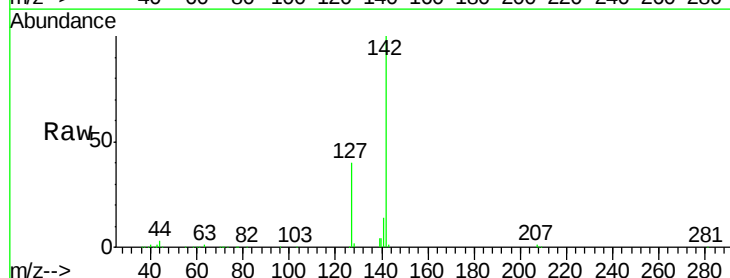
RT: 3.95 min Scan# 734

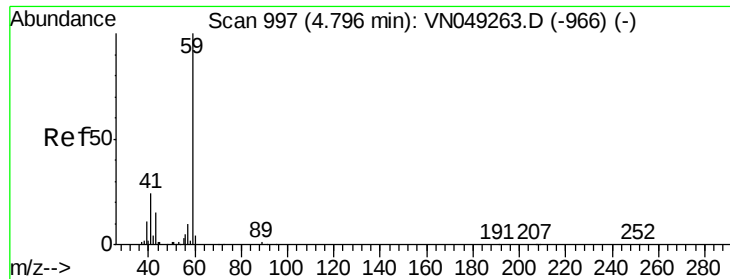
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	142	Resp:	318831
Ion Ratio	Lower	Upper	
142	100		
127	40.4	38.2	57.4
141	14.2	11.9	17.9





#11

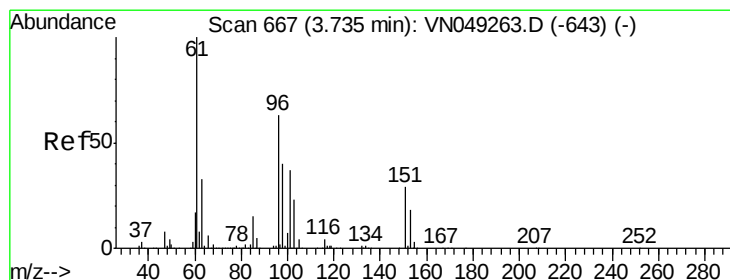
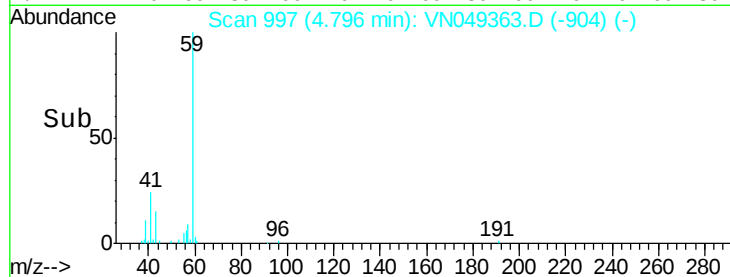
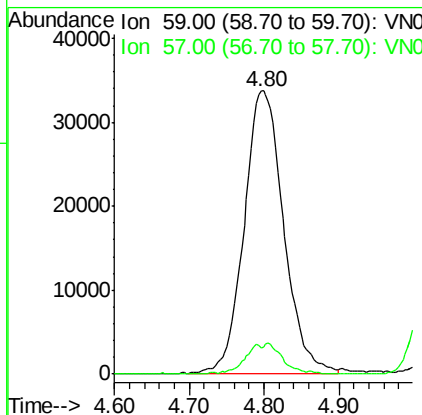
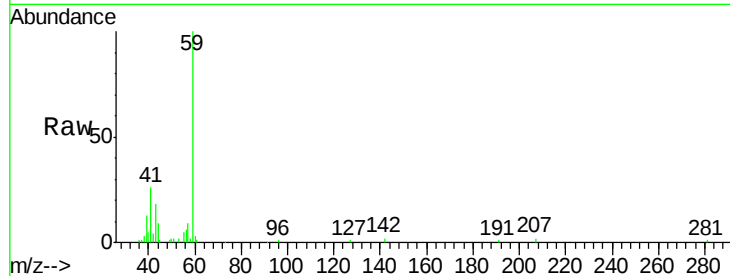
Tert butyl alcohol
Concen: 115.917 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	9.0	13.6#

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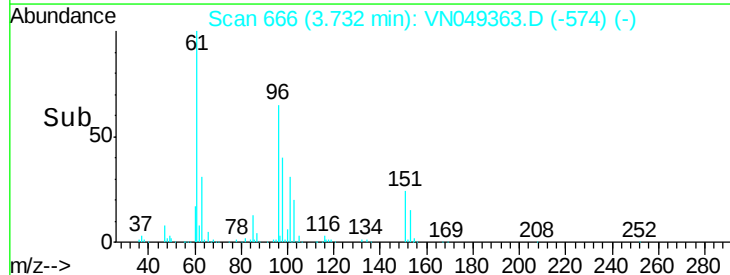
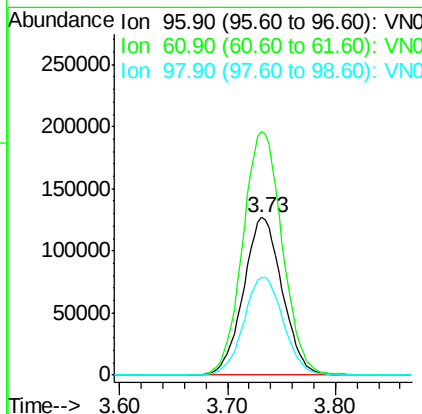
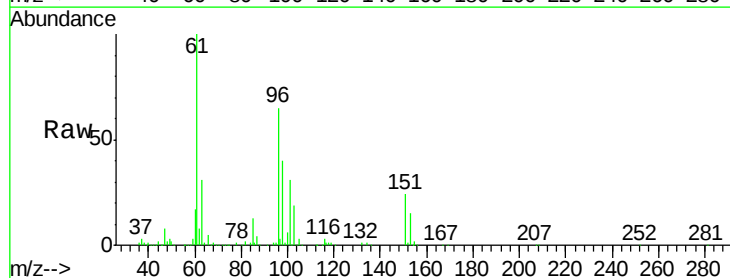
MMDadoda
6/19/2018 1:55:45 PM

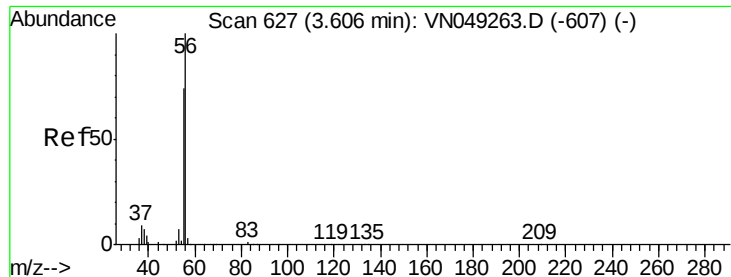


#12

1,1-Dichloroethene
Concen: 19.928 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.0	141.0	211.4
98	62.5	50.4	75.6





#13

Acrolein

Concen: 69.381 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 56 Resp: 77954

Ion Ratio Lower Upper

56 100

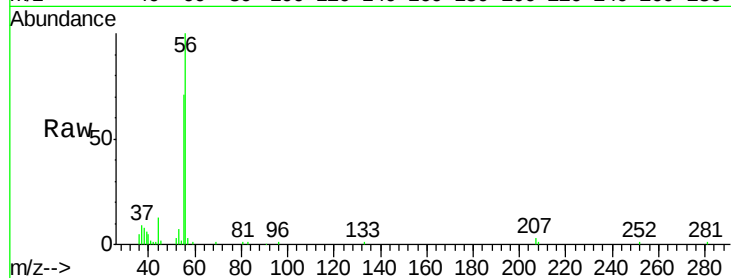
55 70.8 57.1 85.7

Manual Integrations

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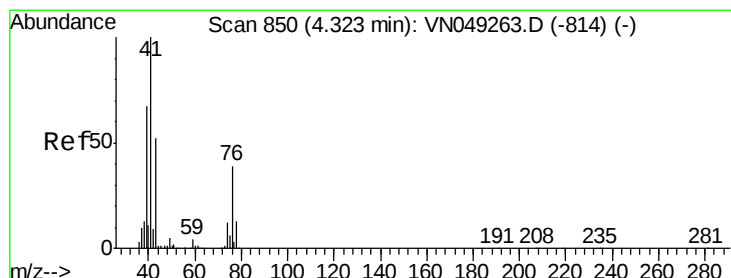
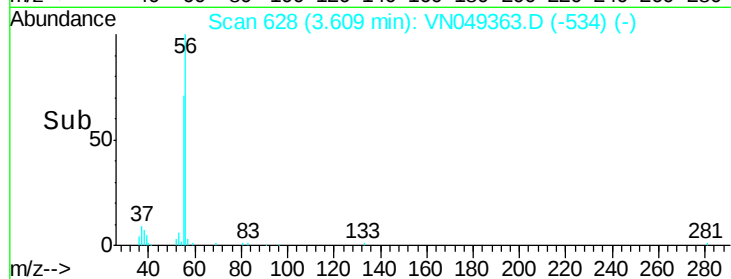
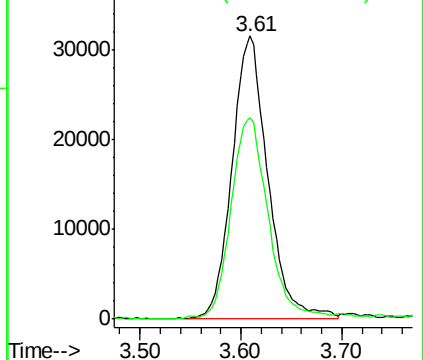
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.089 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

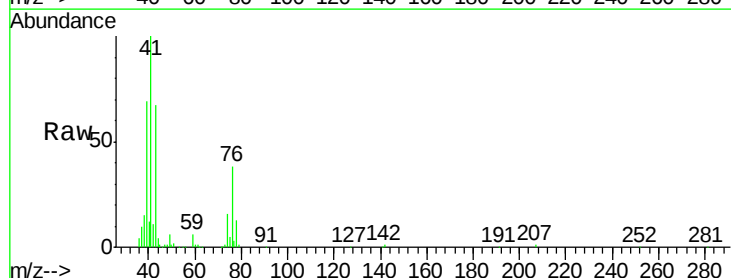
Tgt Ion: 41 Resp: 500576

Ion Ratio Lower Upper

41 100

39 65.9 62.5 93.7

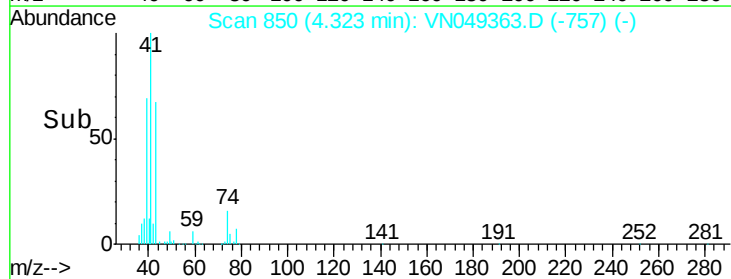
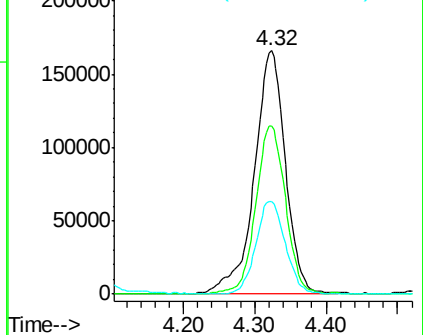
76 35.7 27.1 40.7

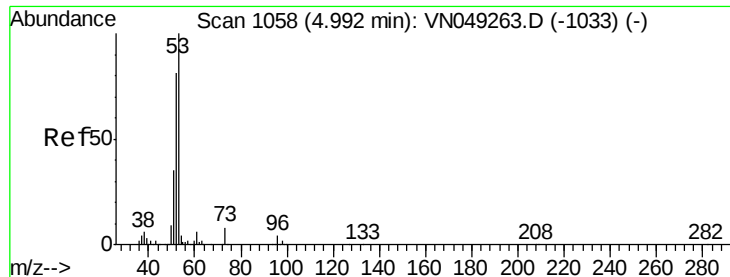


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





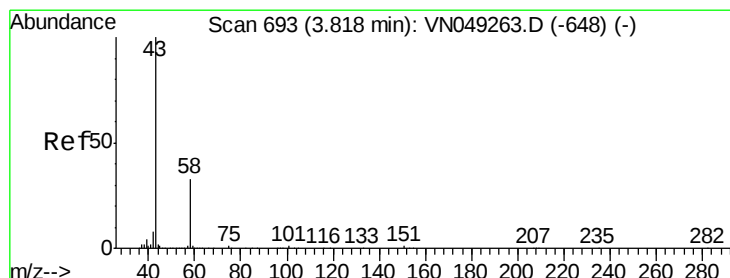
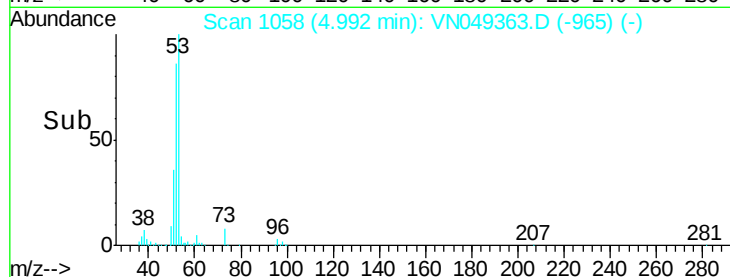
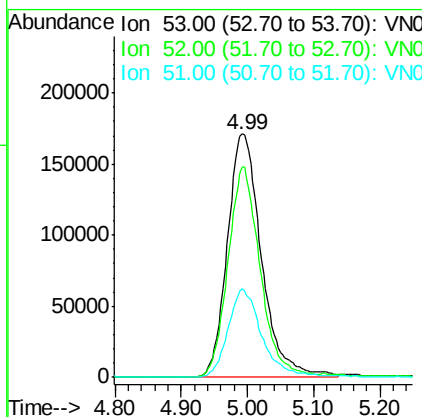
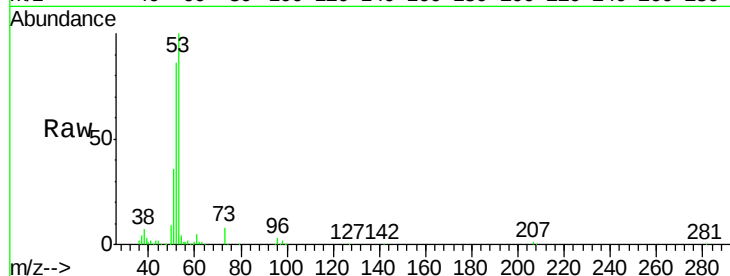
#15
 Acrylonitrile
 Concen: 114.291 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	81.5	66.6	100.0
51	51	36.0	29.8	44.8

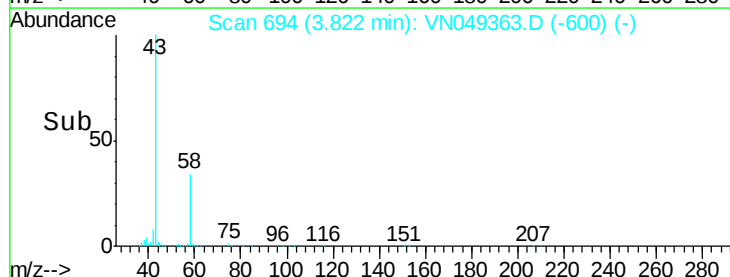
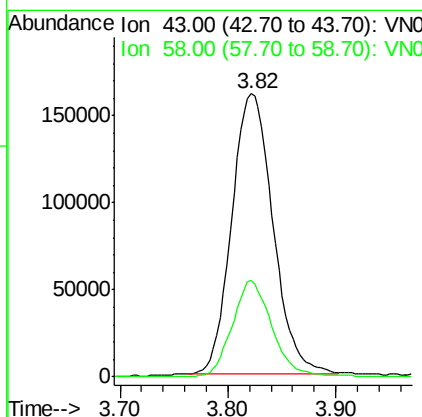
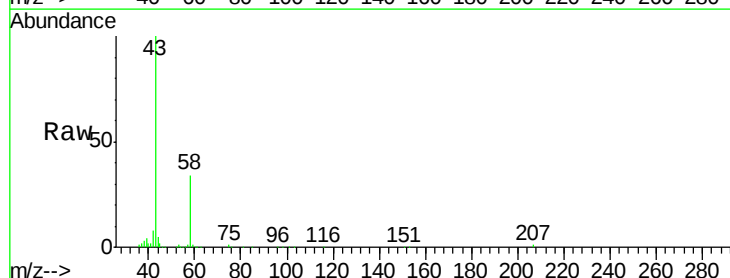
Manual Integrations
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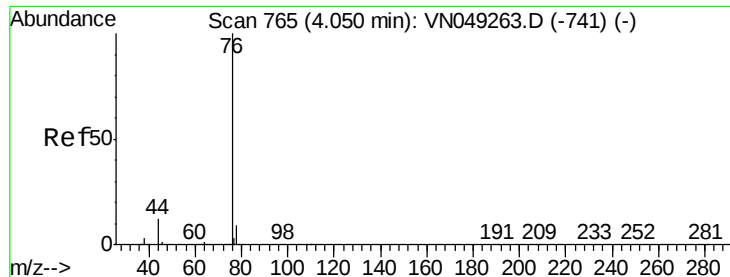
MMDadoda
 6/19/2018 1:55:45 PM



#16
 Acetone
 Concen: 97.040 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	34.5	22.4	33.6





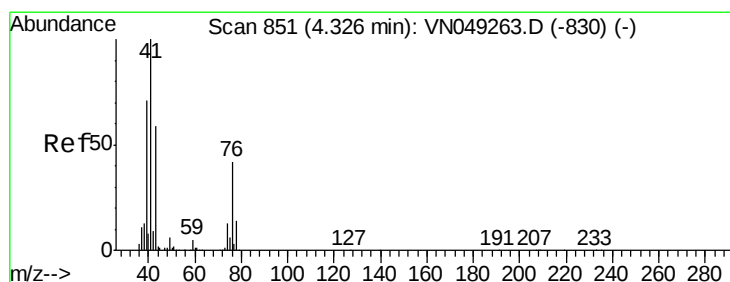
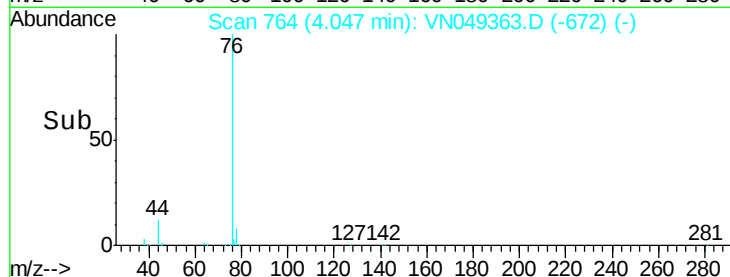
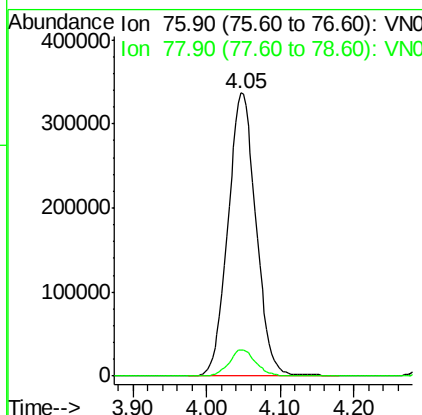
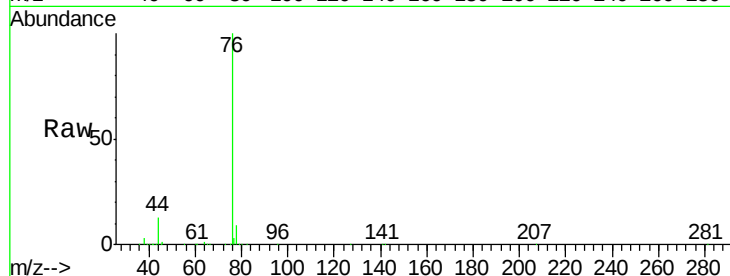
#17
Carbon Disulfide
Concen: 18.007 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

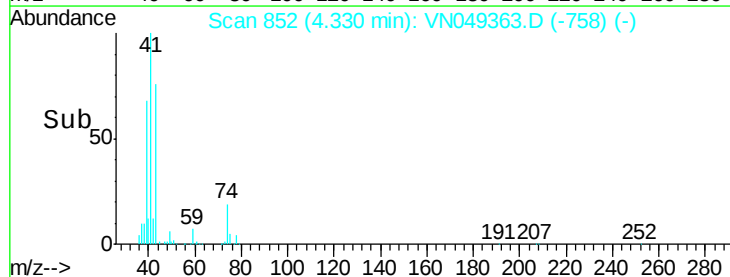
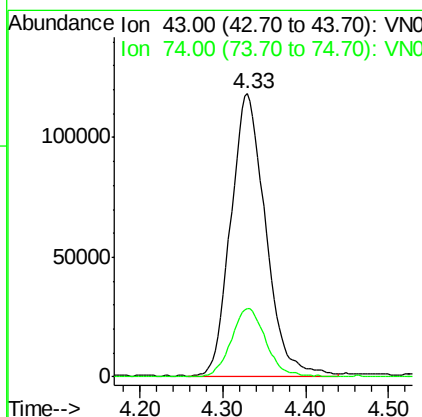
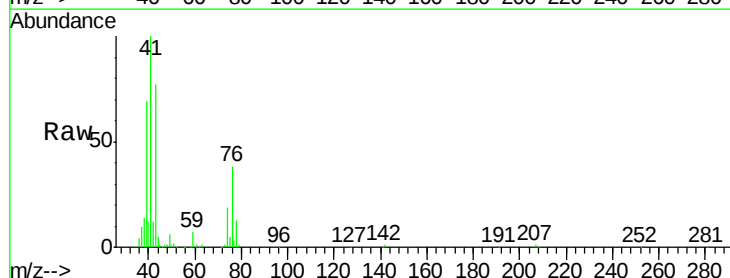
Manual Integrations
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MMDadoda
6/19/2018 1:55:45 PM



#18
Methyl Acetate
Concen: 25.489 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.4	26.0





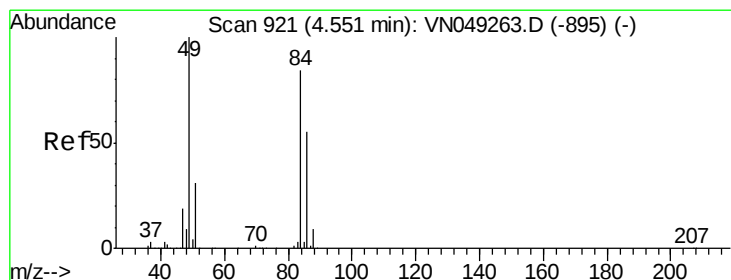
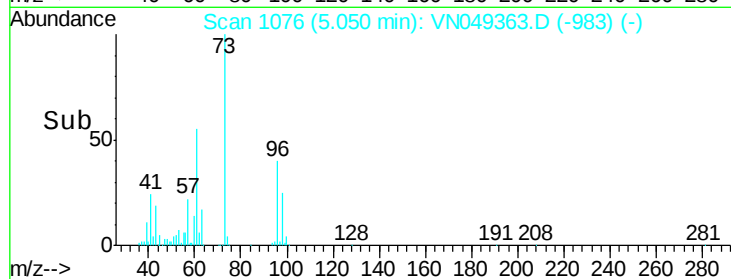
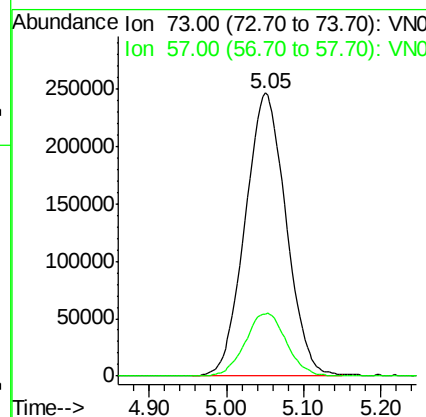
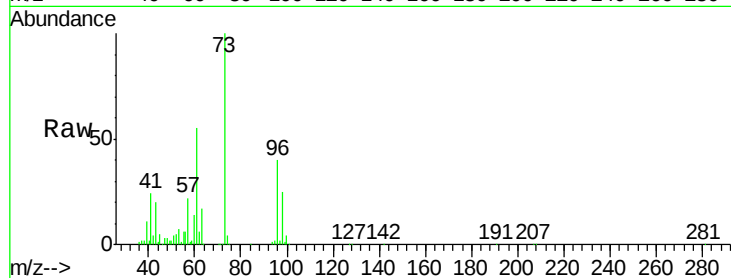
#19
Methvl tert-butvl Ether
Concen: 22.571 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 73 Resp: 908137
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4

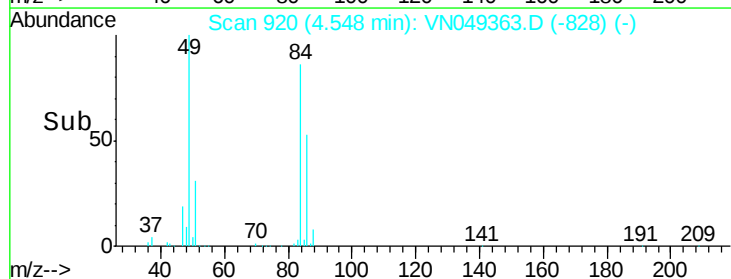
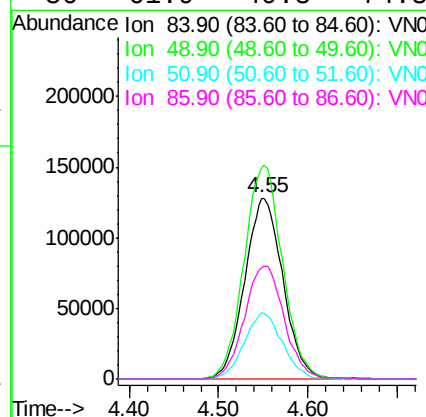
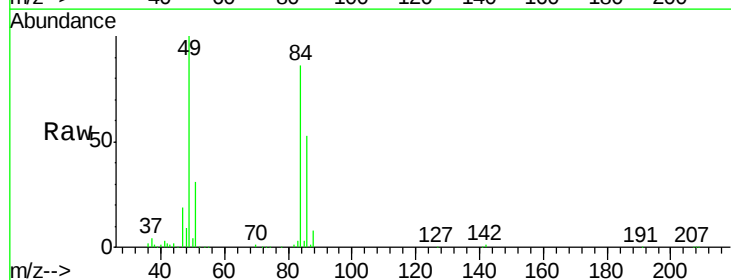
Manual Integrations
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6/19/2018 1:55:45 PM



#20
Methylene Chloride
Concen: 20.617 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion: 84 Resp: 381646
Ion Ratio Lower Upper
84 100
49 116.5 106.9 160.3
51 36.5 32.7 49.1
86 61.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.292 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

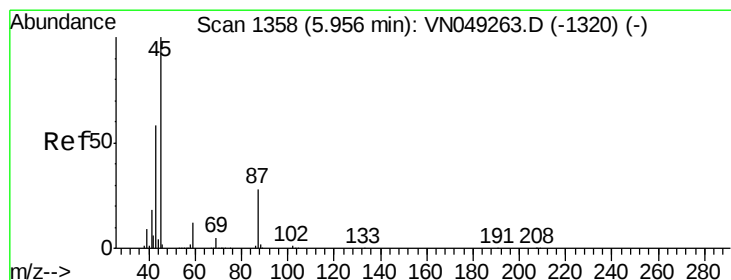
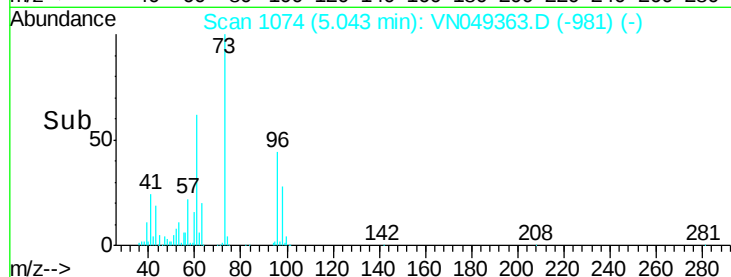
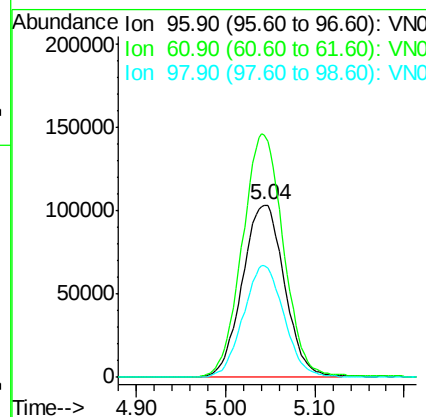
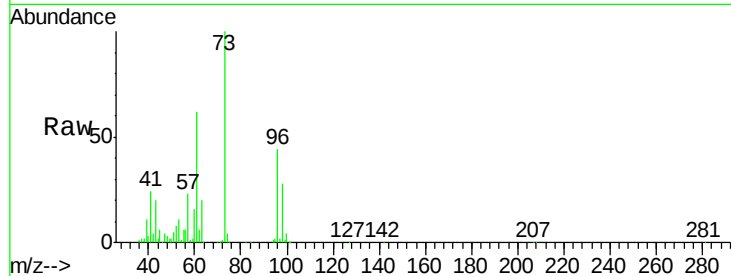
ClientSampleId :

VN0618WBSD02

Tot Ion:	96	Resp:	339026
Ion	Ratio	Lower	Upper
96	100		
61	140.4	121.3	181.9
98	64.4	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.261 ug/l

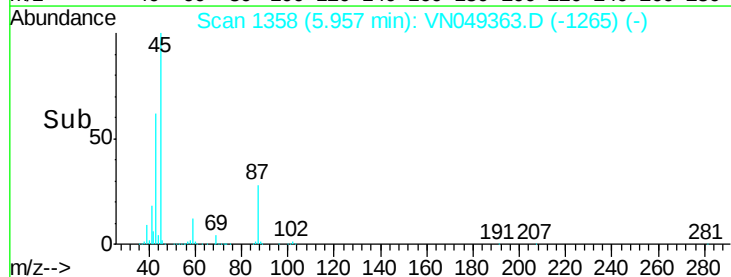
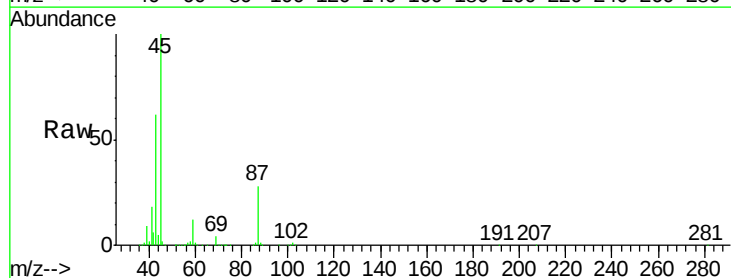
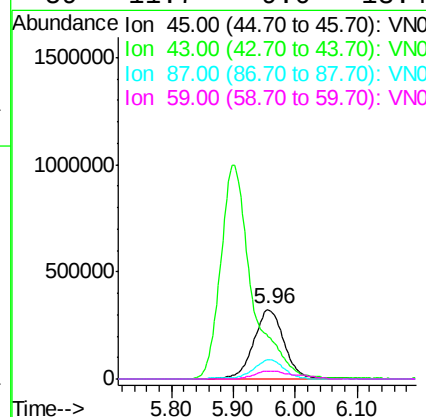
RT: 5.96 min Scan# 1358

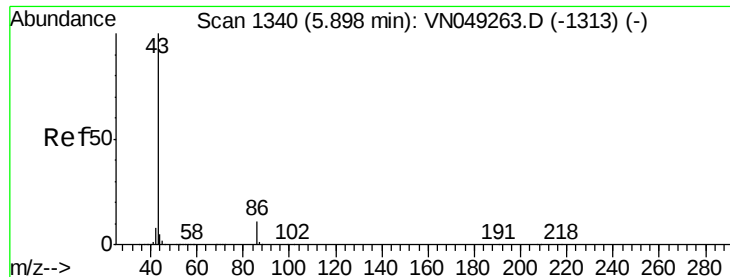
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	45	Resp:	1107691
Ion	Ratio	Lower	Upper
45	100		
43	61.2	48.6	72.8
87	27.7	20.2	30.2
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 107.983 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 3502731

Ion Ratio Lower Upper

43 100

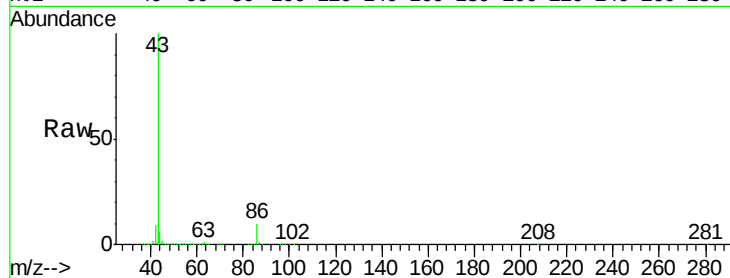
86 10.2 7.2 10.8

Manual Integrations

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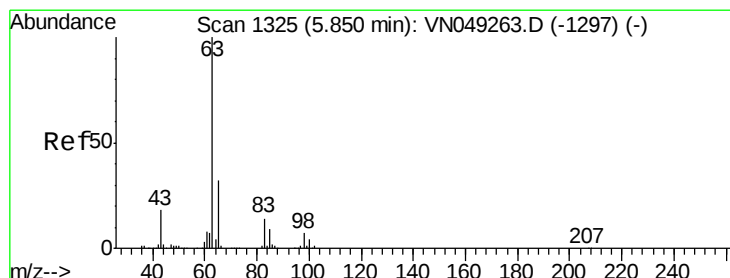
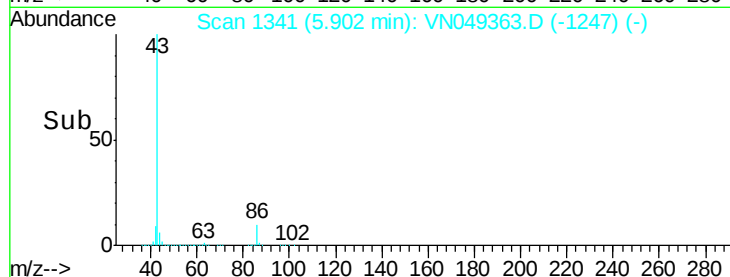
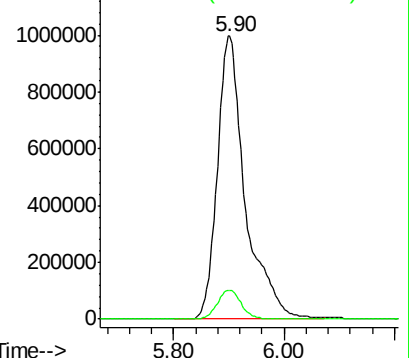
MMDadoda

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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: 20.869 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

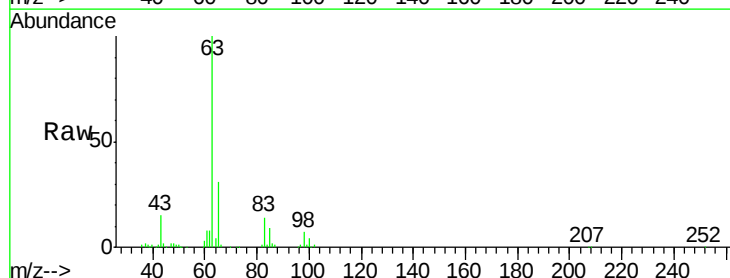
Tgt Ion: 63 Resp: 664614

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

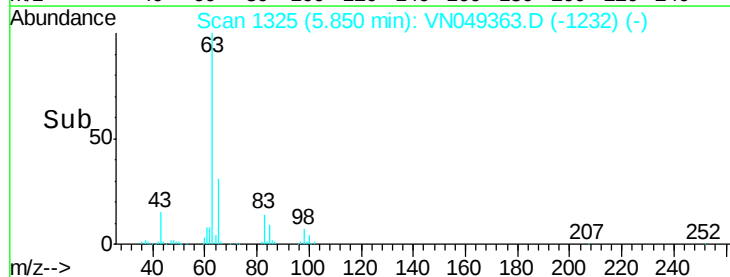
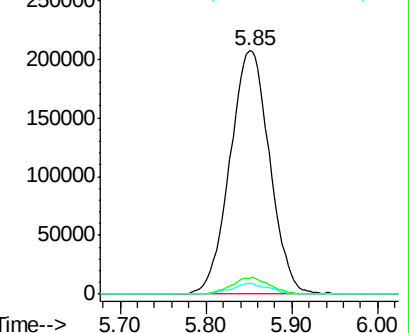
100 4.3 2.1 6.3



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: 110.086 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 43 Resp: 655175

Ion Ratio Lower Upper

43 100

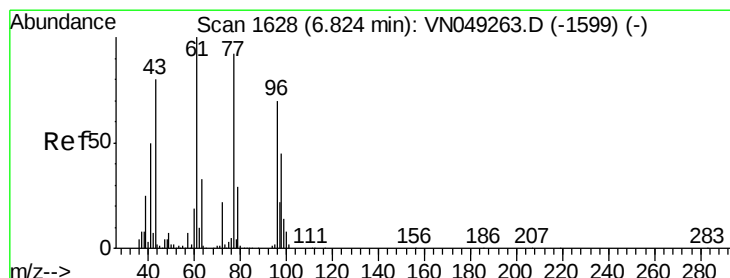
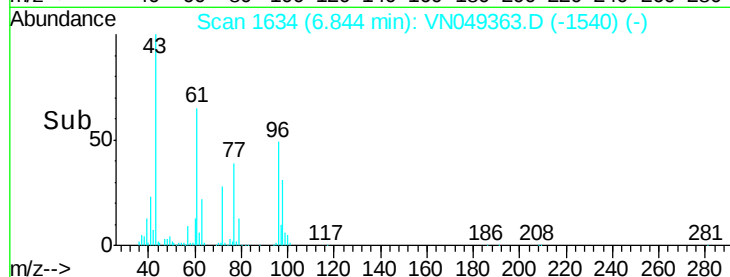
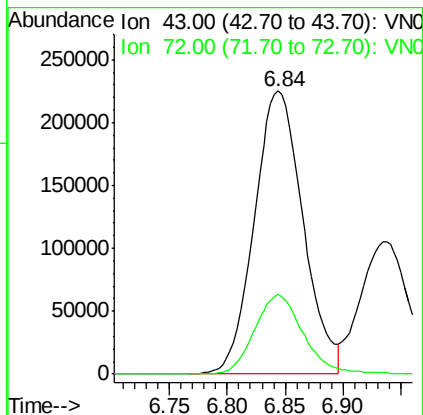
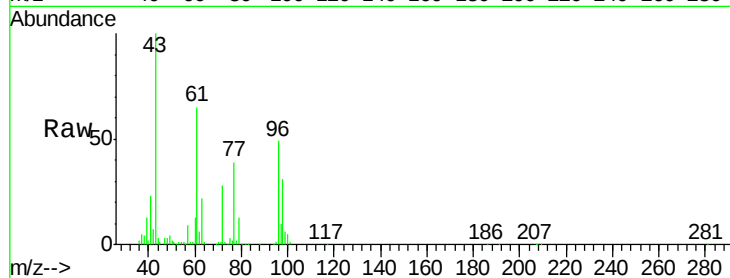
72 28.1 20.2 30.2

Manual Integrations

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6/19/2018 1:55:45 PM



#26

2,2-Dichloropropane

Concen: 14.976 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049363.D

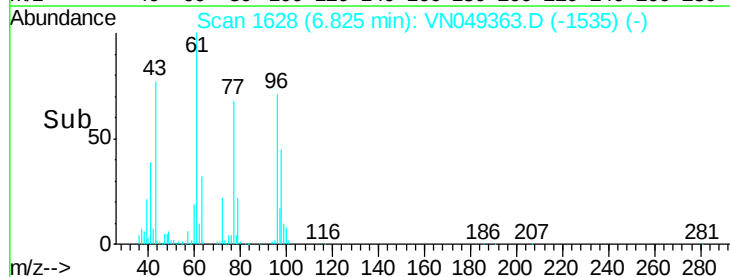
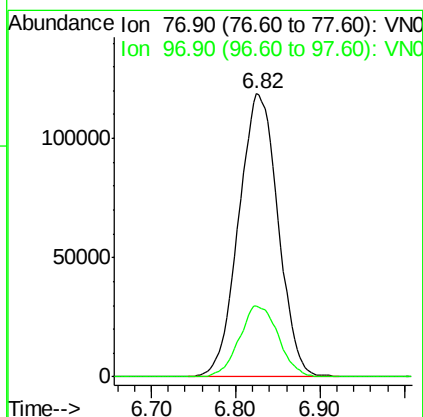
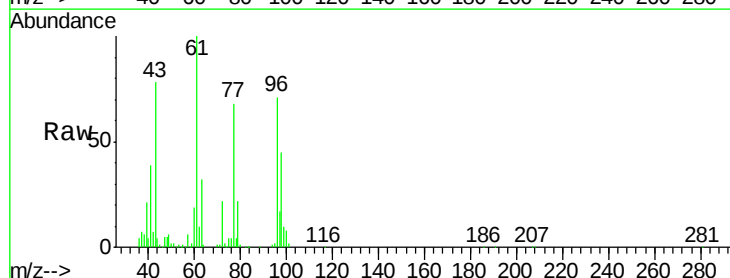
Acq: 19 Jun 2018 00:40

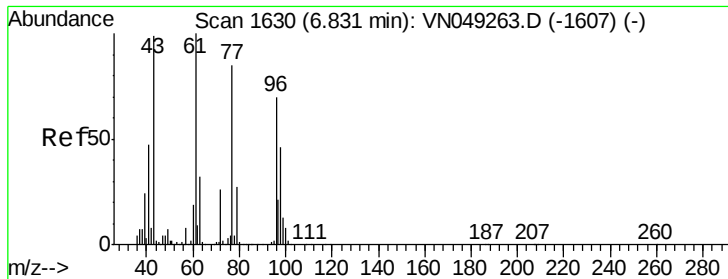
Tgt Ion: 77 Resp: 385190

Ion Ratio Lower Upper

77 100

97 24.9 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 21.173 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

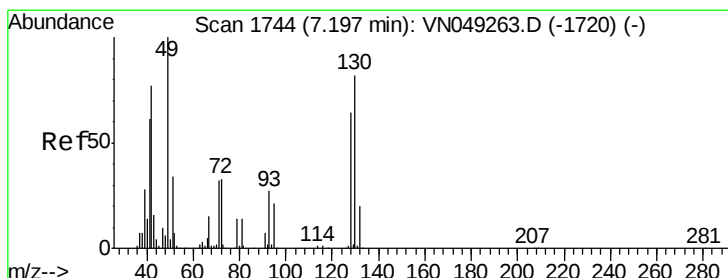
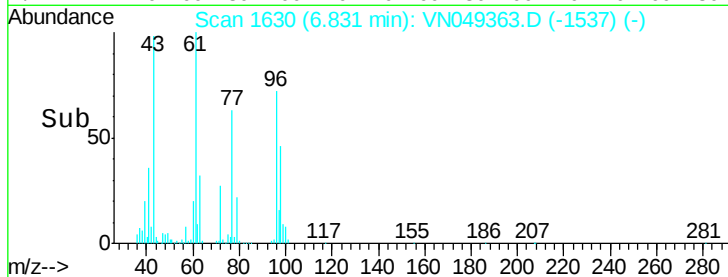
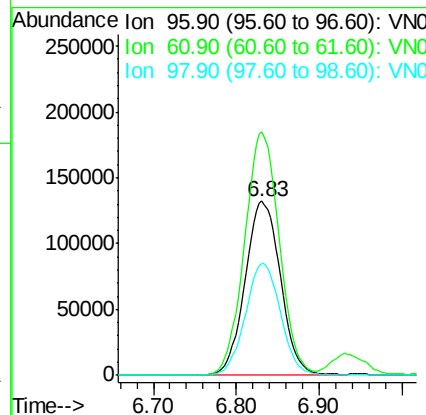
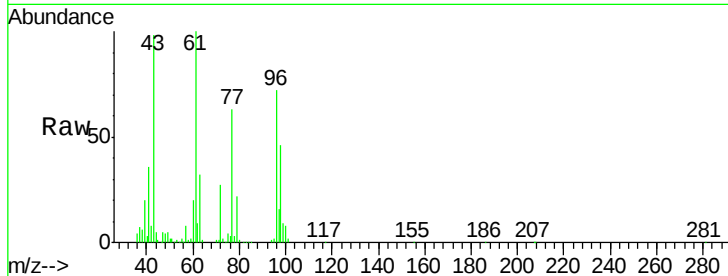
ClientSampleId :

VN0618WBSD02

Tot Ion:	96	Resp:	393278
Ion Ratio	Lower	Upper	
96	100		
61	137.0	0.0	316.4
98	63.6	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.155 ug/l

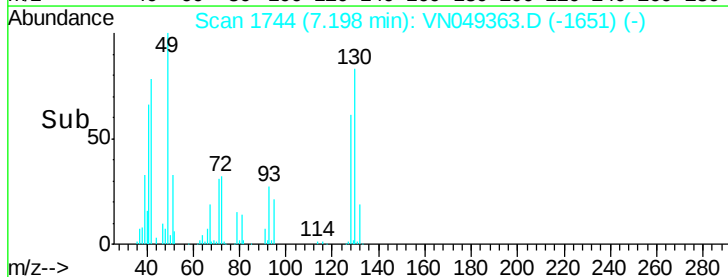
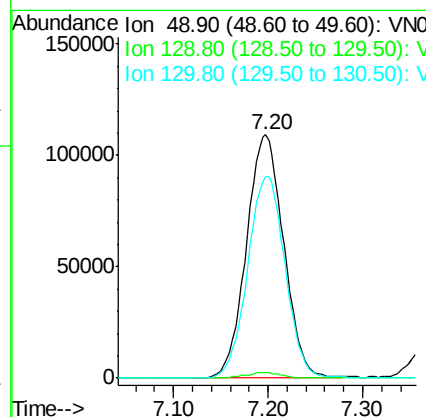
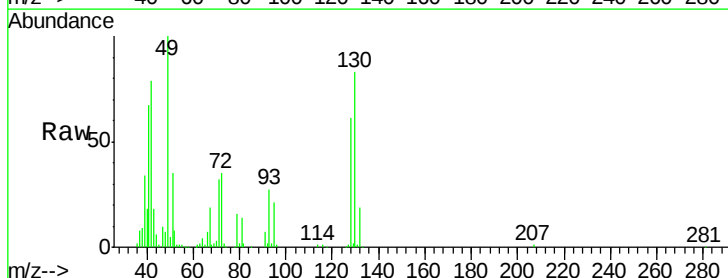
RT: 7.20 min Scan# 1744

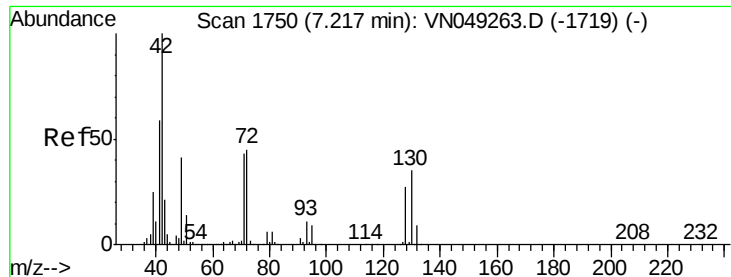
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	49	Resp:	298706
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	3.8
130	83.3	54.9	82.3#





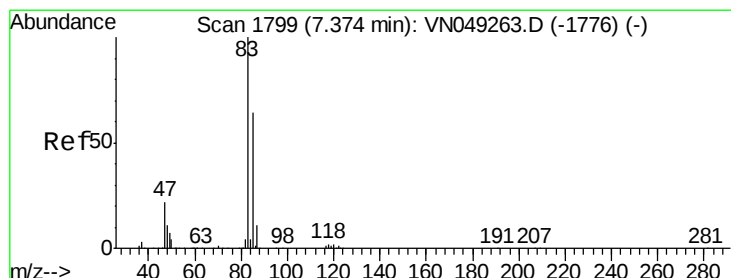
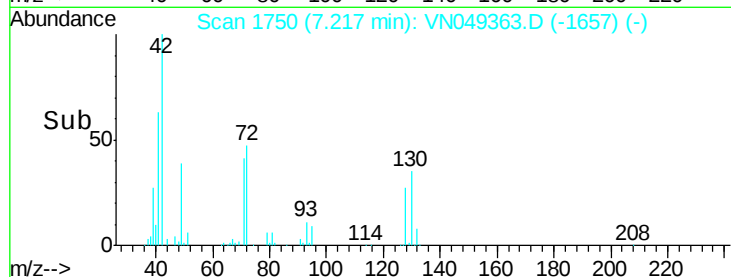
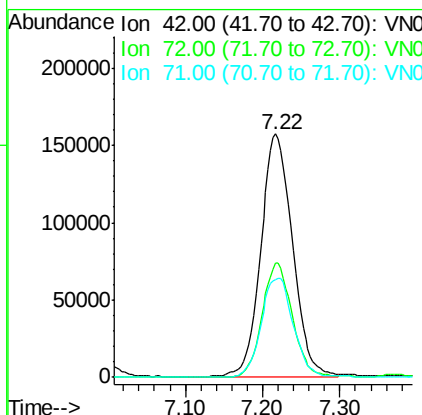
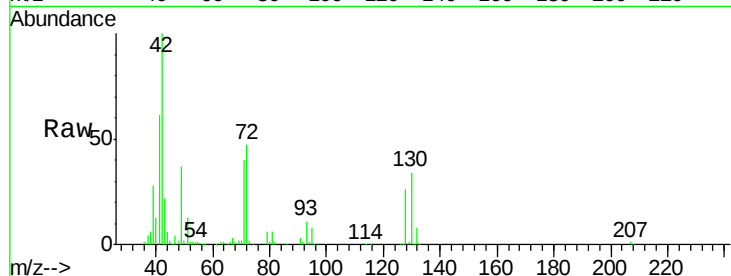
#29
Tetrahydrofuran
Concen: 116.355 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.2	48.4
71	41.4	30.5	45.7

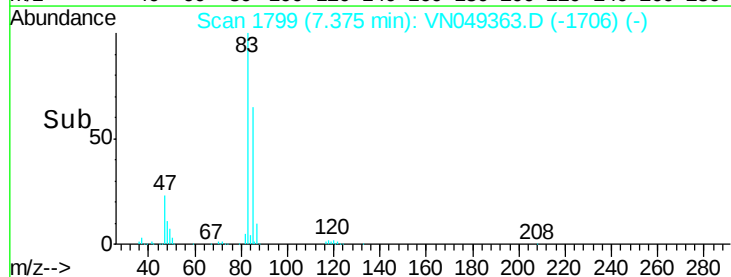
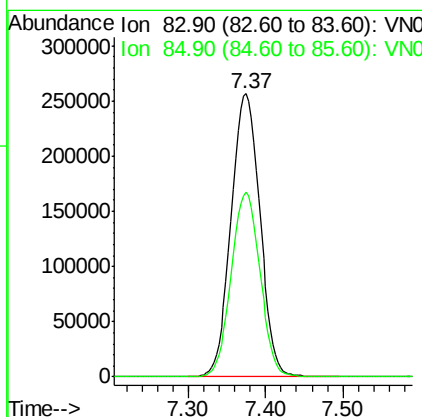
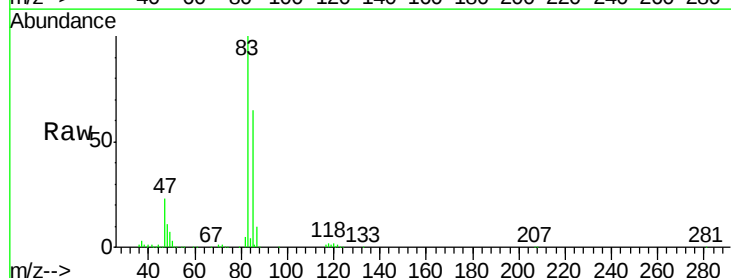
Manual Integrations
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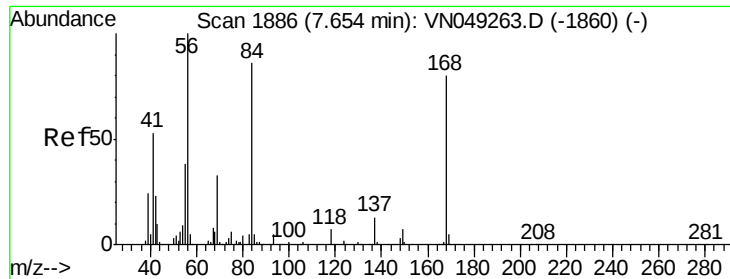
MMDadoda
6/19/2018 1:55:45 PM



#30
Chloroform
Concen: 21.004 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.7	77.5





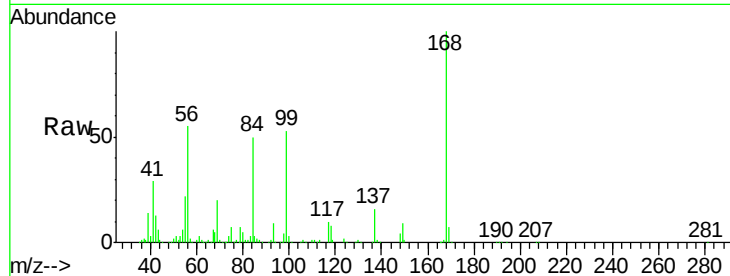
#31
Cyclohexane
Concen: 20.481 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

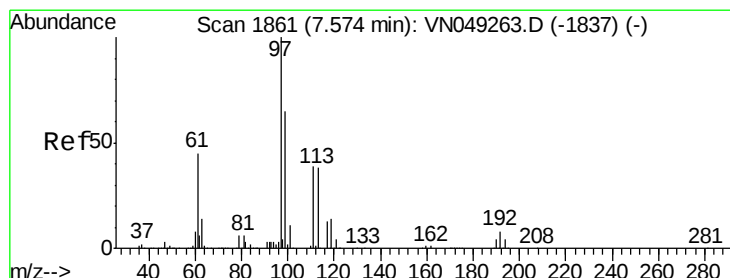
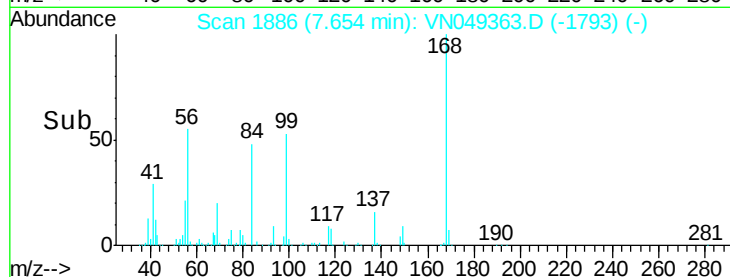
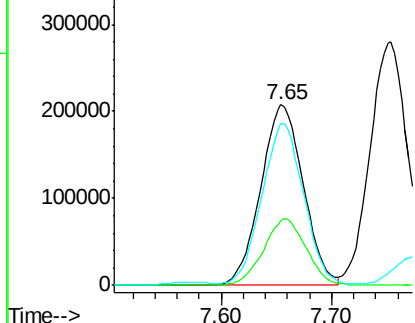
Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	25.0	37.4
84	87.9	64.6	96.8

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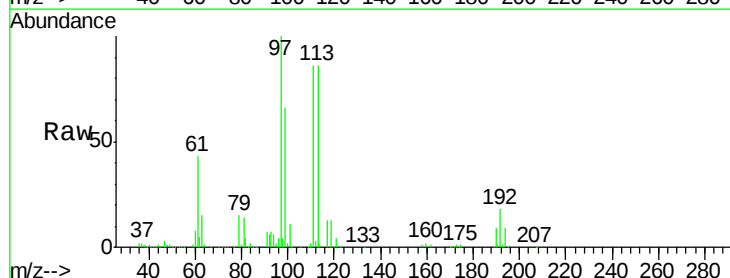


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

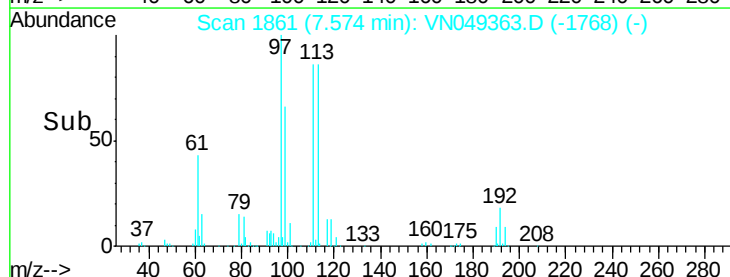
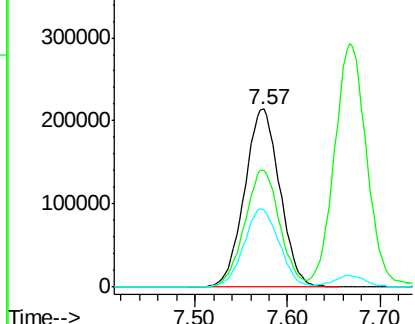


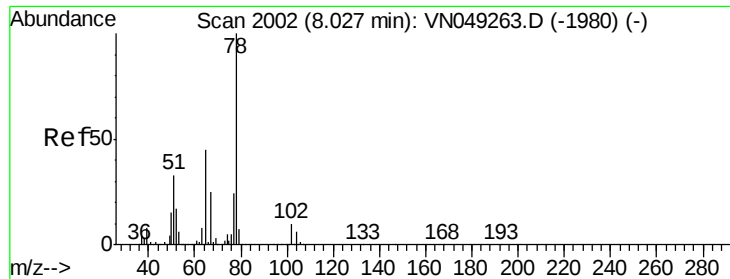
#32
1,1,1-Trichloroethane
Concen: 20.991 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.5	75.7
61	44.0	37.9	56.9



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





#33

1,2-Dichloroethane-d4

Concen: 54.406 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 65 Resp: 993159

Ion Ratio Lower Upper

65 100

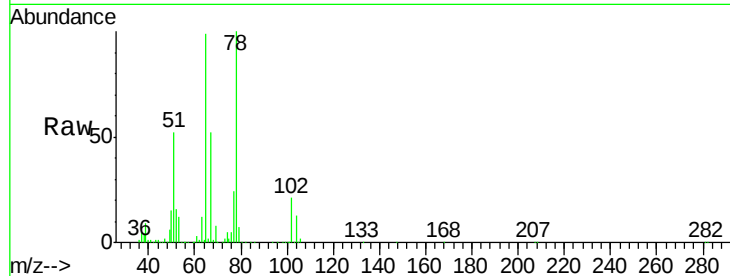
67 53.7 0.0 103.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

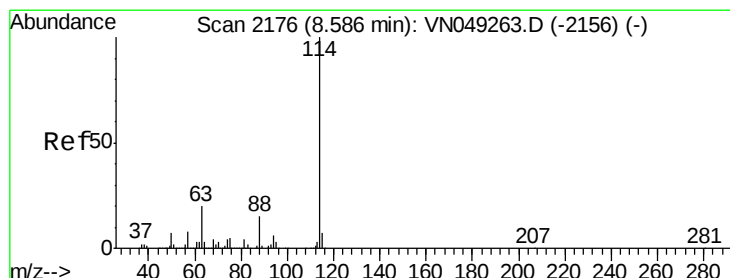
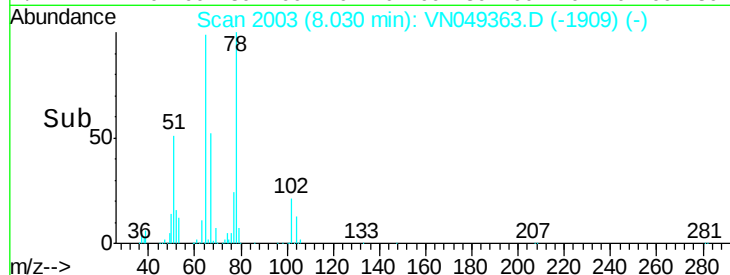
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

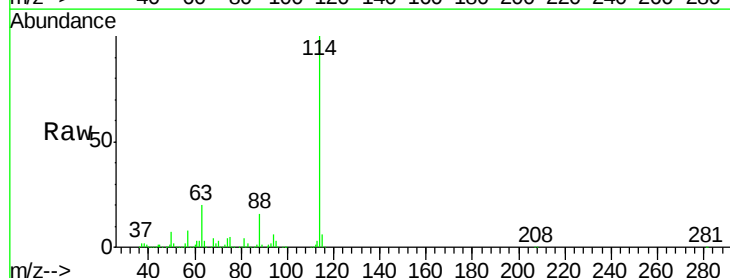
Tgt Ion:114 Resp: 2125983

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

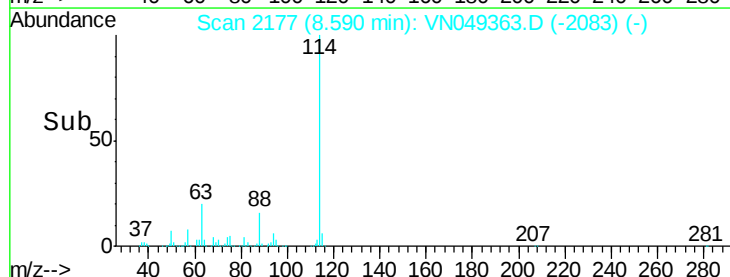
8.59

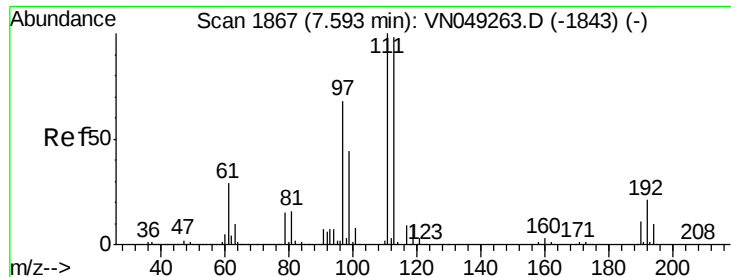
1000000

500000

0

Time-->





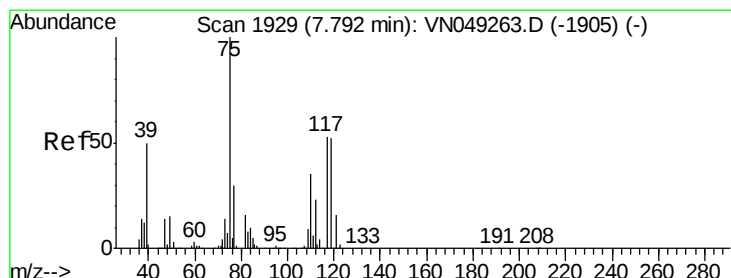
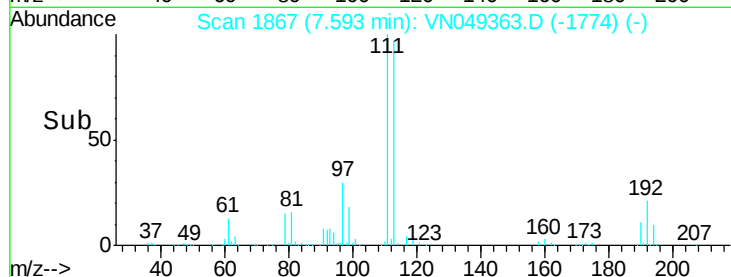
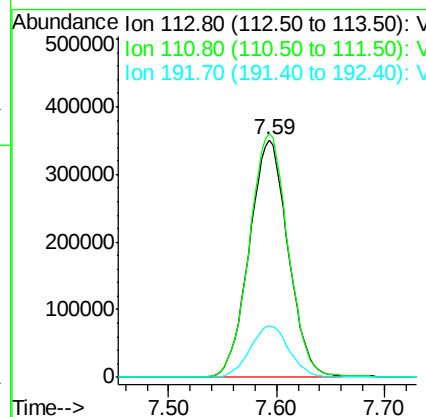
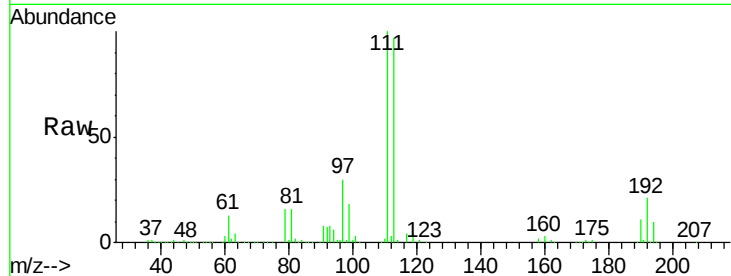
#35
 Dibromofluoromethane
 Concen: 51.026 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.4	123.6
192	21.9	15.0	22.6

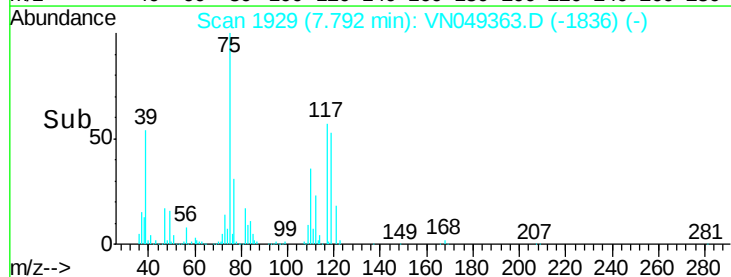
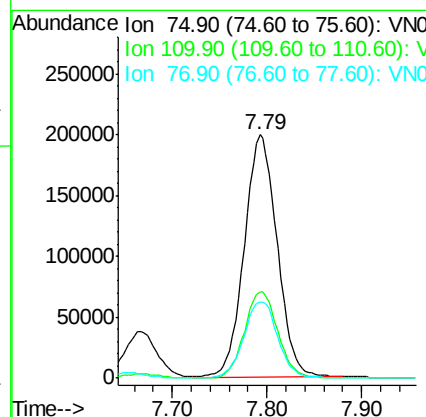
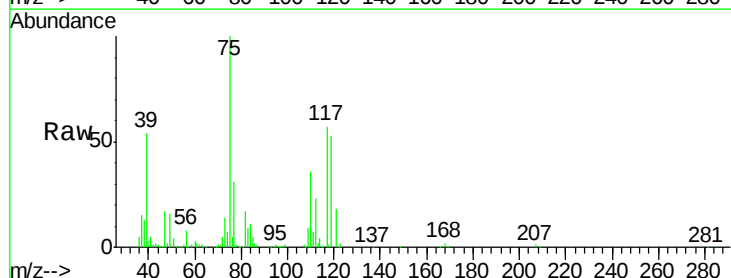
Manual Integrations
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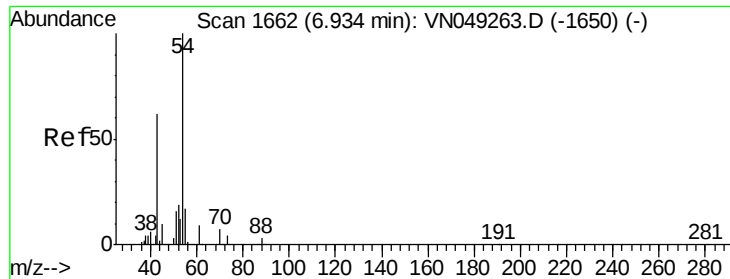
MMDadoda
 6/19/2018 1:55:45 PM



#36
 1,1-Dichloropropene
 Concen: 19.750 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.0	50.9
77	32.5	24.4	36.6





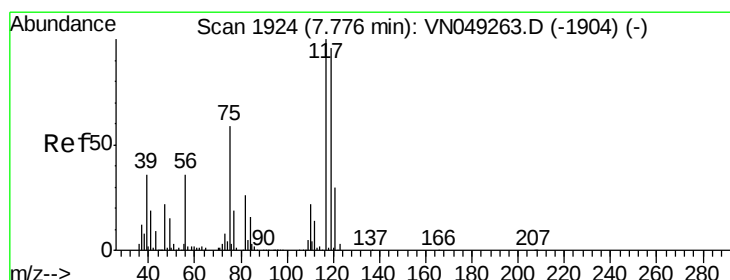
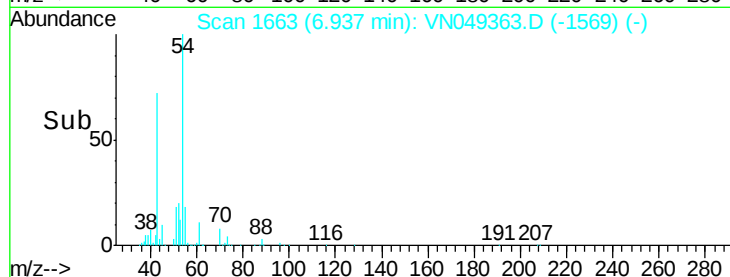
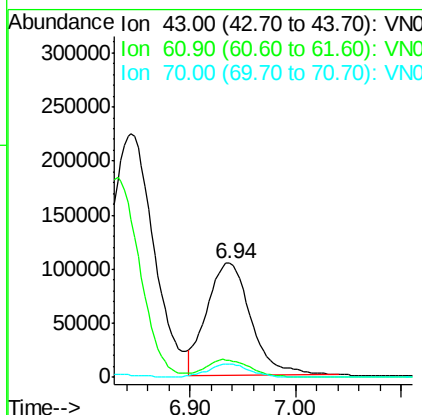
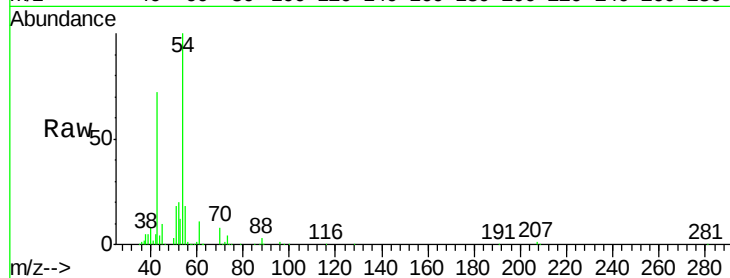
#37
Ethyl Acetate
Concen: 22.877 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	11.0	7.2	10.8

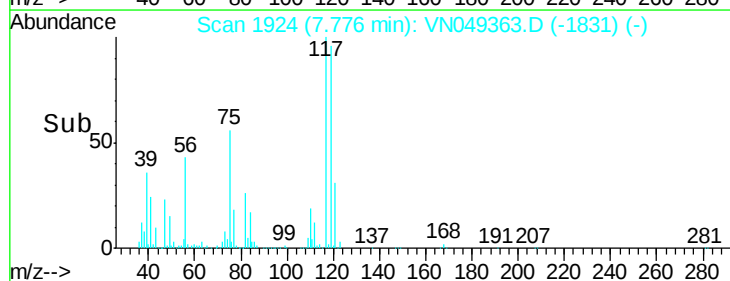
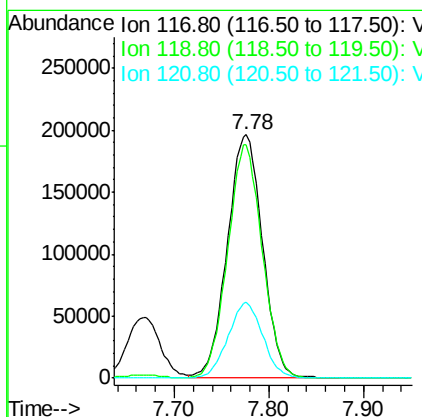
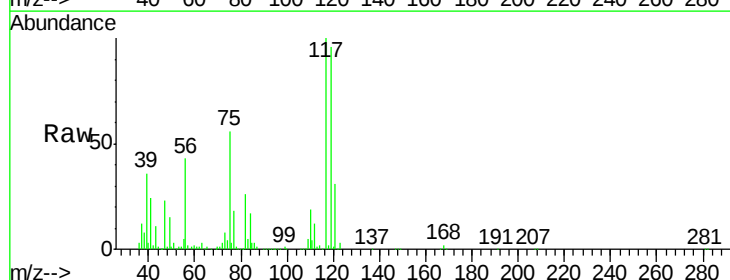
Manual Integrations
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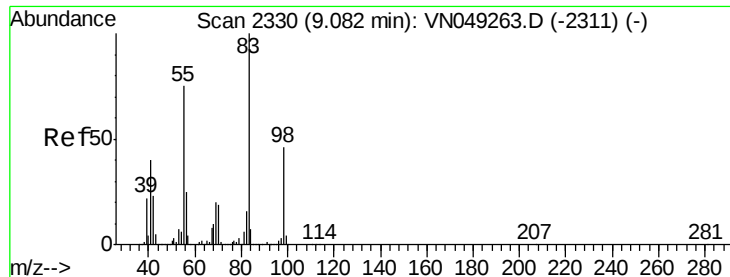
MMDadoda
6/19/2018 1:55:45 PM



#38
Carbon Tetrachloride
Concen: 20.093 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.6	113.4
121	31.1	24.7	37.1





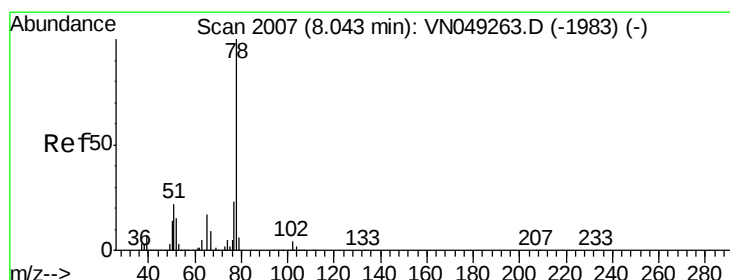
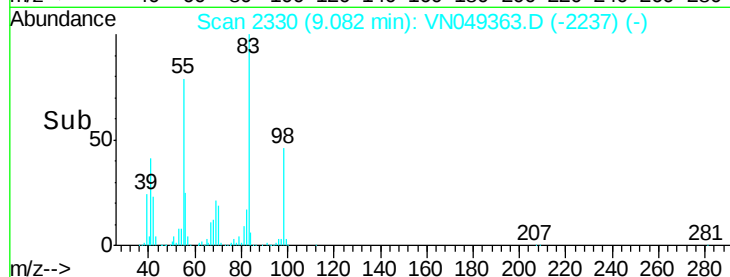
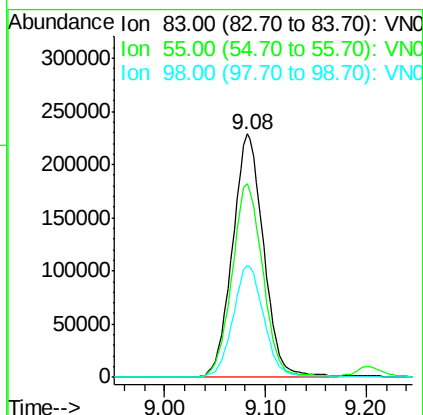
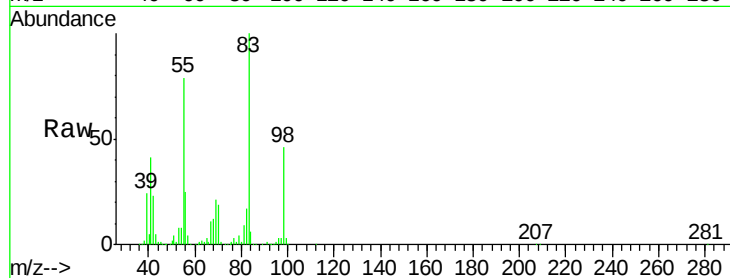
#39
Methvlcvclohexane
Concen: 18.732 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	65.1	97.7
98	46.0	36.5	54.7

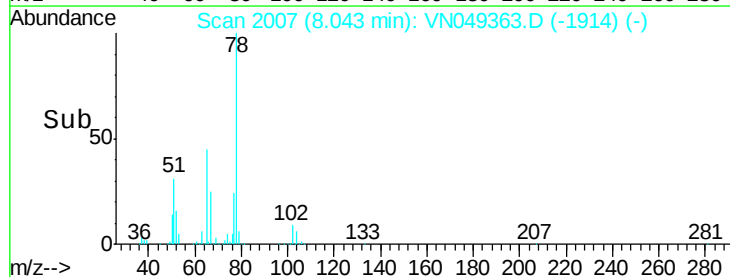
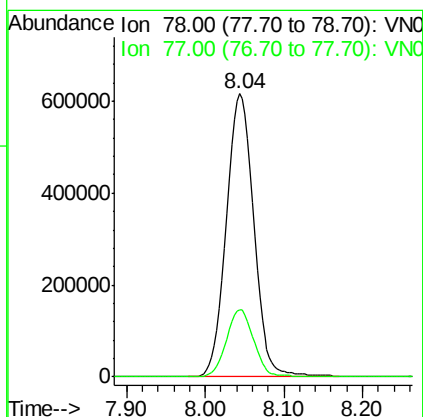
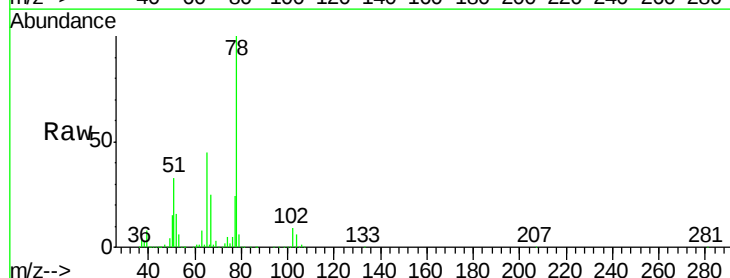
Manual Integrations
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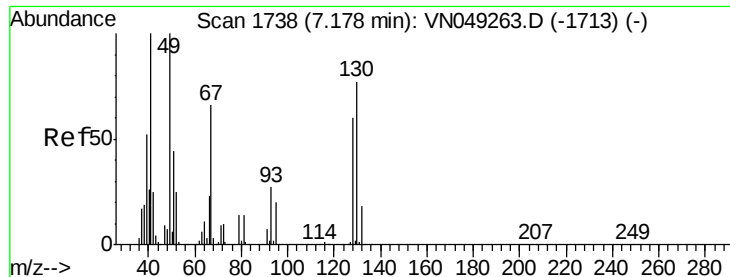
MMDadoda
6/19/2018 1:55:45 PM



#40
Benzene
Concen: 20.018 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





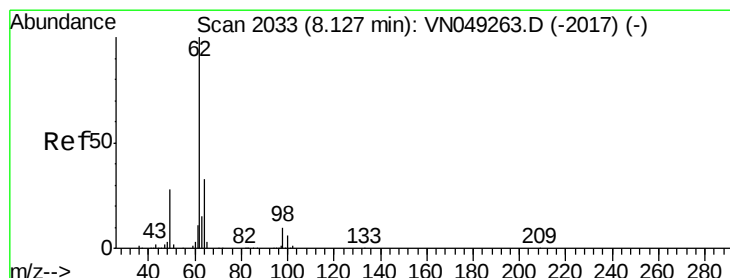
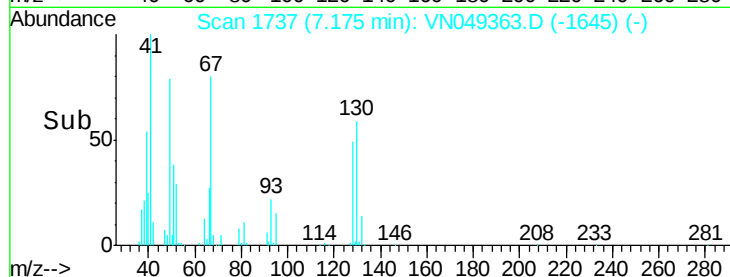
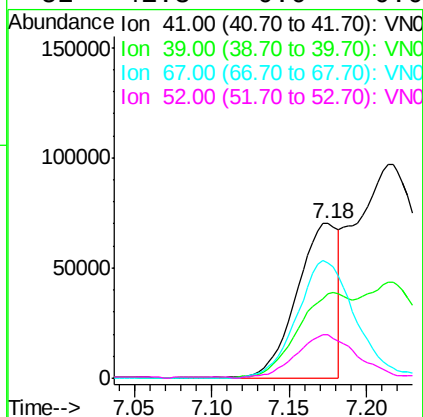
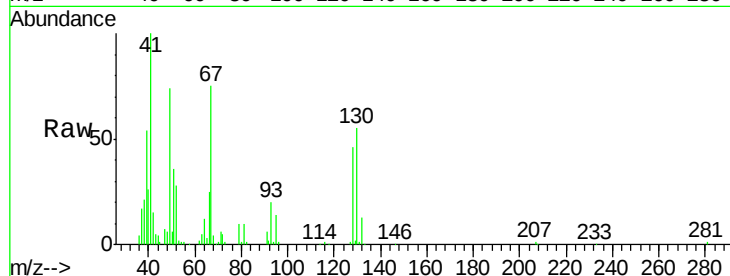
#41
Methacrylonitrile
Concen: 18.045 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.6	0.0	0.0#
67	108.4	0.0	0.0#
52	41.3	0.0	0.0#

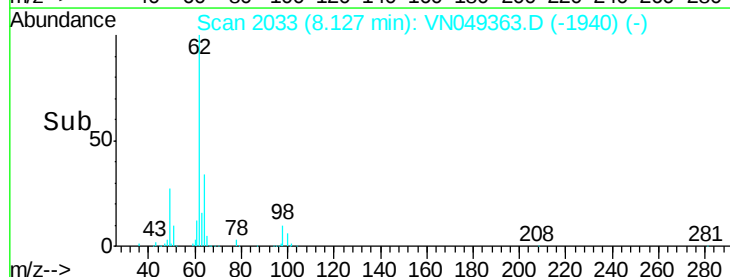
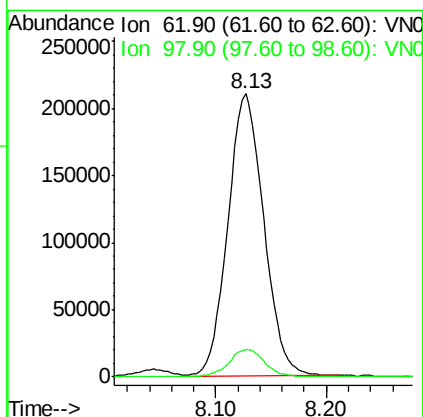
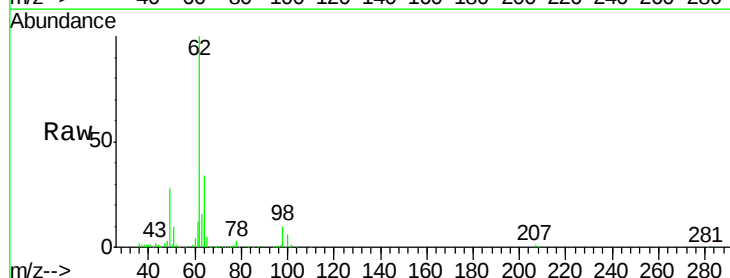
Manual Integrations
APPROVED

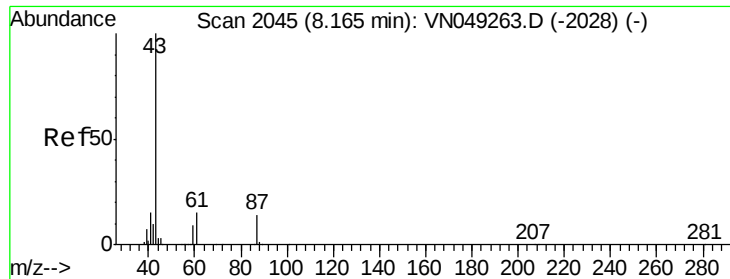
MMDadoda
6/19/2018 1:55:45 PM



#42
1,2-Dichloroethane
Concen: 20.523 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.2





#43

Isopropyl Acetate

Concen: 23.597 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

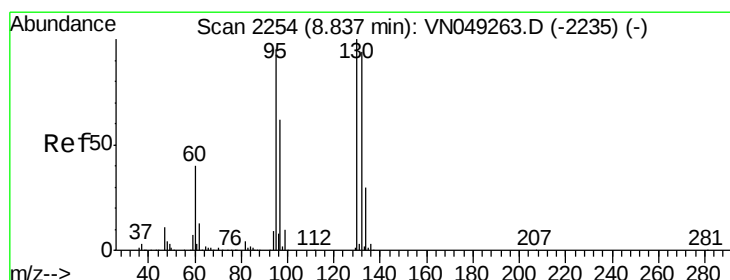
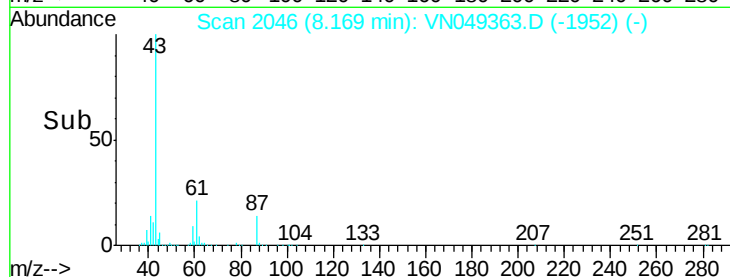
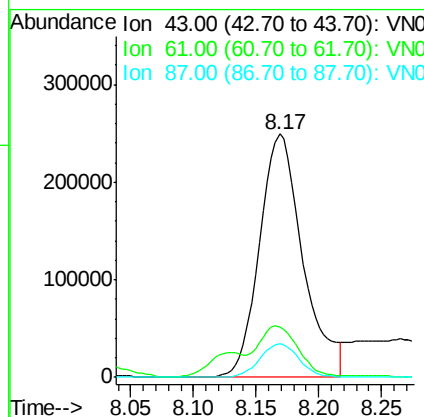
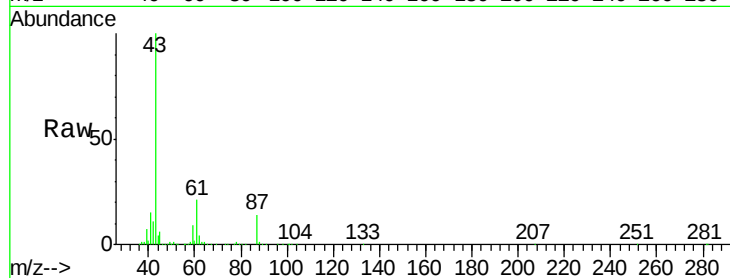
ClientSampleId :

VN0618WBSD02

Tot Ion:	43	Resp:	597212
Ion	Ratio	Lower	Upper
43	100		
61	19.1	14.2	21.4
87	12.6	9.4	14.0

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#44

Trichloroethene

Concen: 20.231 ug/l

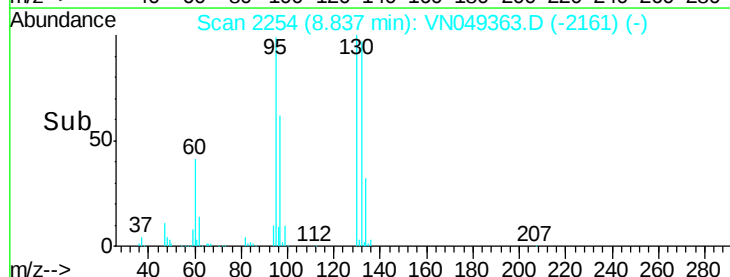
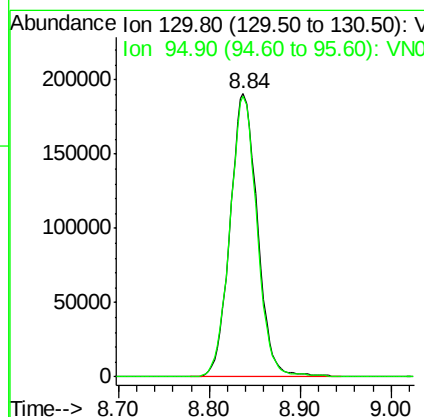
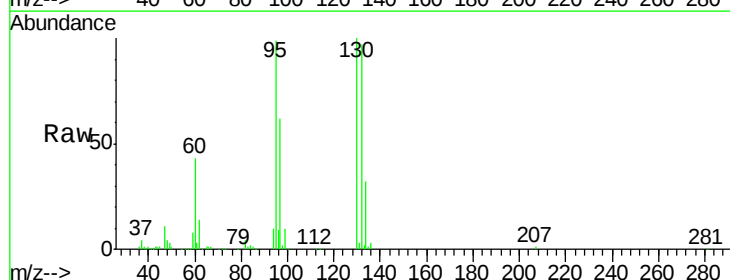
RT: 8.84 min Scan# 2254

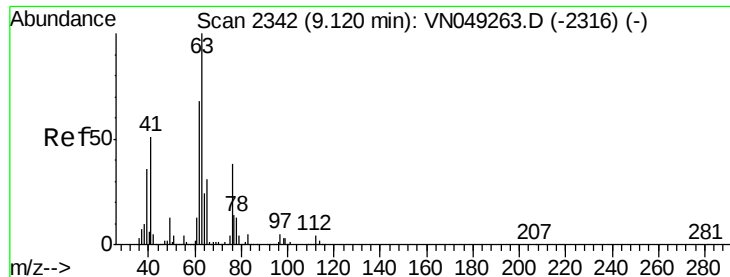
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	130	Resp:	399091
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	208.6





#45

1,2-Dichloropropane

Concen: 20.771 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 63 Resp: 406258

Ion Ratio Lower Upper

63 100

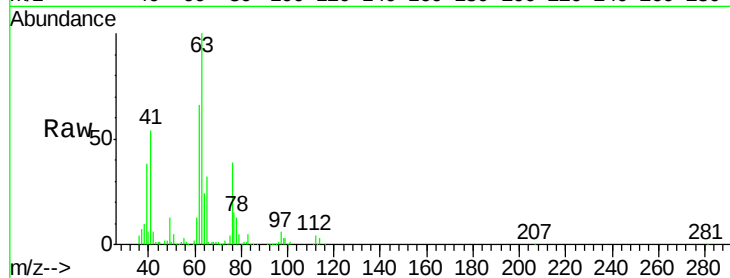
65 31.5 24.8 37.2

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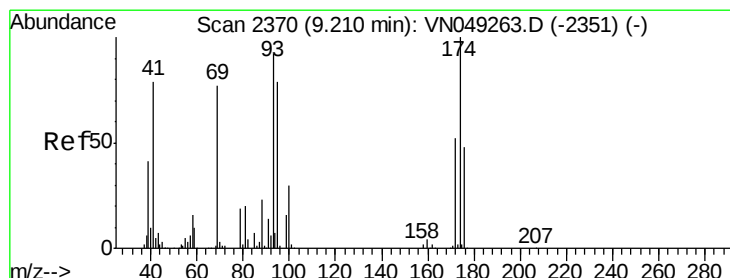
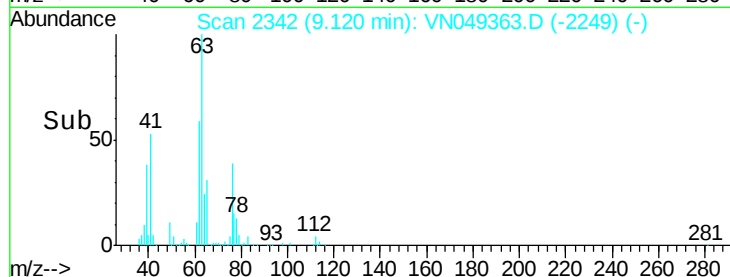
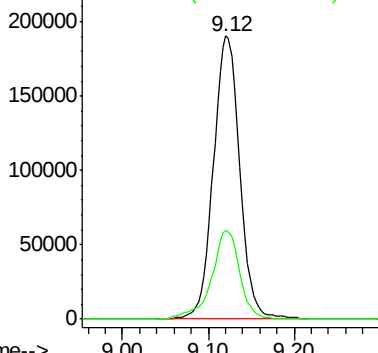
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.822 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

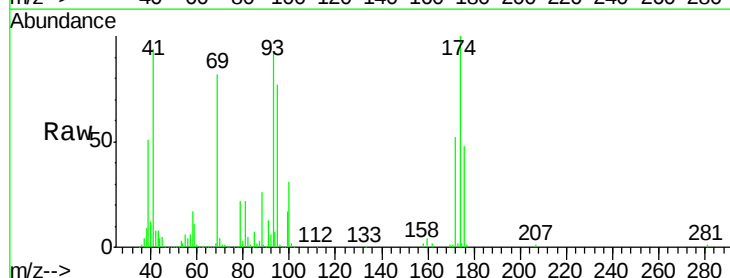
Tgt Ion: 93 Resp: 236144

Ion Ratio Lower Upper

93 100

95 82.4 67.2 100.8

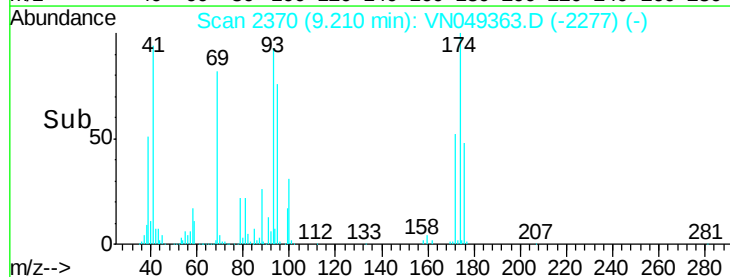
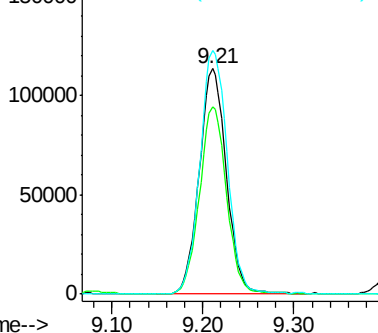
174 108.7 75.6 113.4

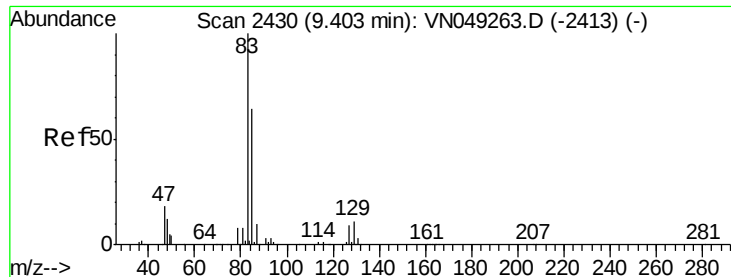


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.455 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

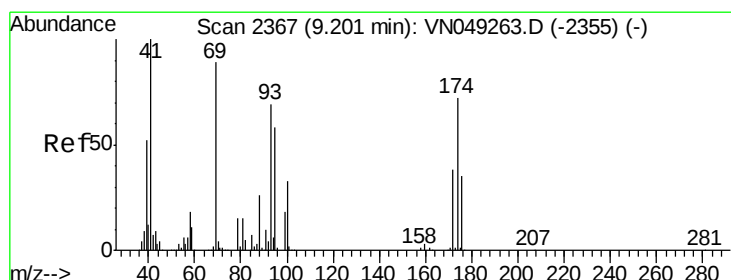
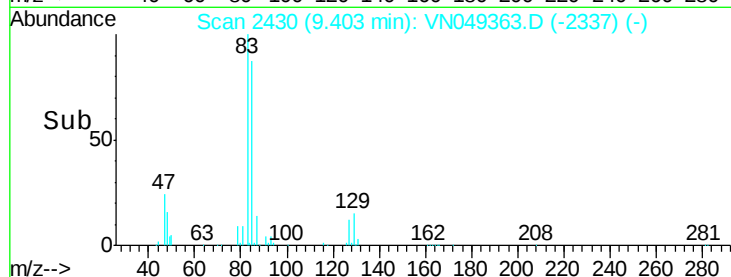
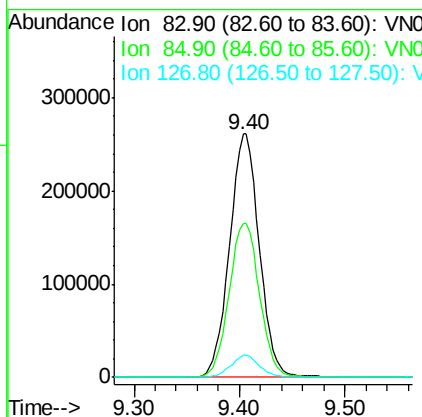
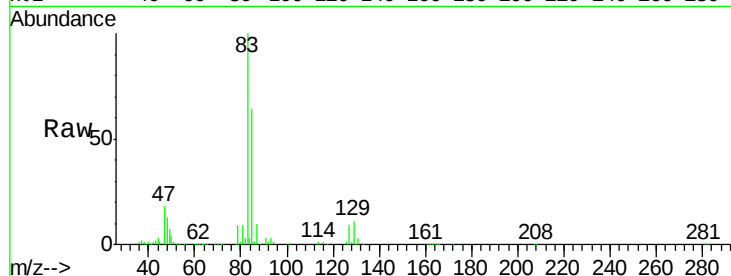
ClientSampleId :

VN0618WBSD02

Tot Ion:	83	Resp:	509793
Ion Ratio	Lower	Upper	
83	100		
85	63.5	49.4	74.0
127	9.0	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.792 ug/l

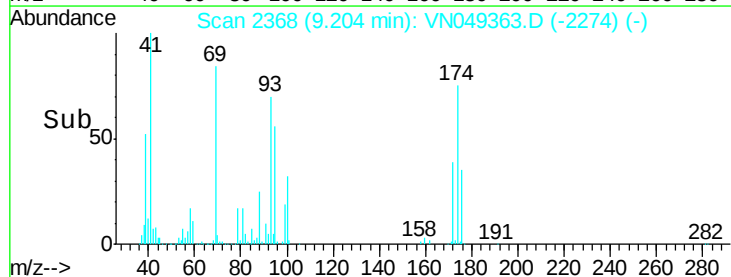
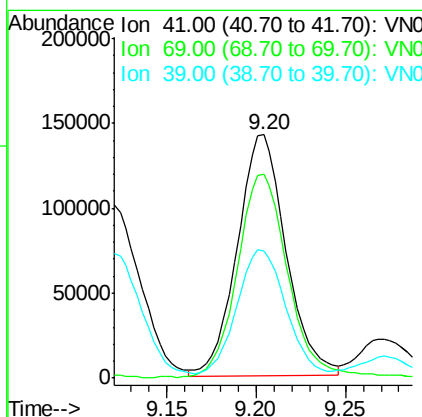
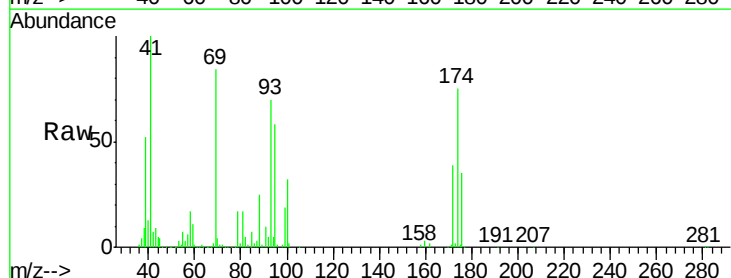
RT: 9.20 min Scan# 2368

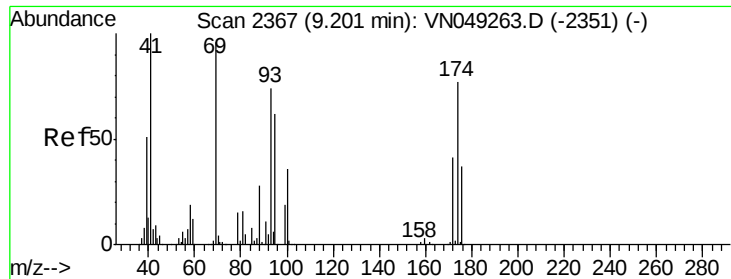
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	41	Resp:	271648
Ion Ratio	Lower	Upper	
41	100		
69	86.8	62.0	93.0
39	53.9	50.6	75.8





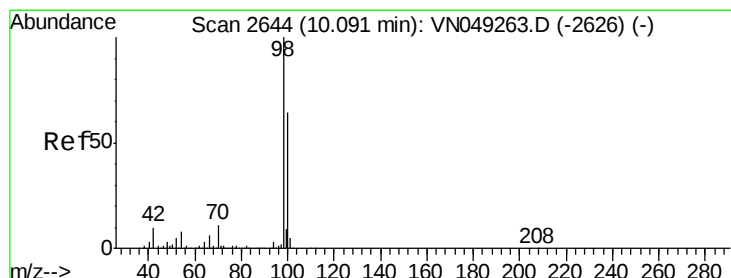
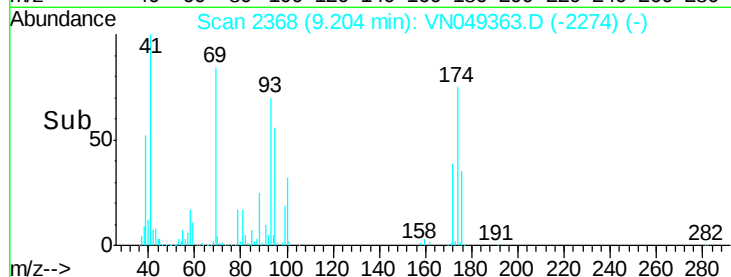
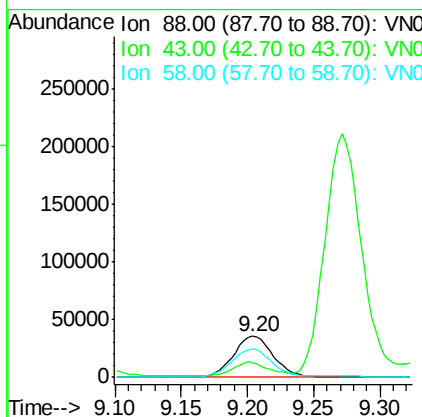
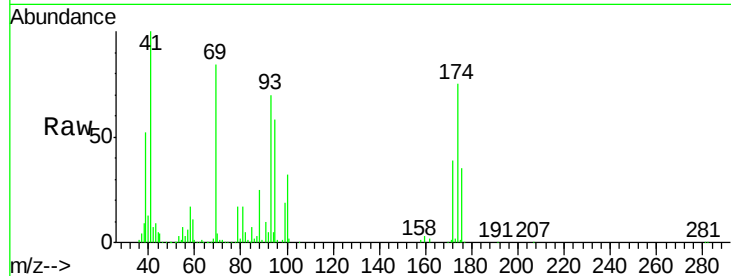
#49
1,4-Dioxane
Concen: 454.547 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	88	Resp	74770
Ion Ratio	Lower	Upper	
88	100		
43	29.6	30.9	46.3#
58	71.2	58.9	88.3

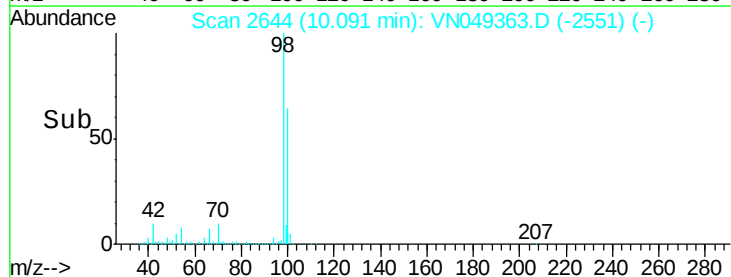
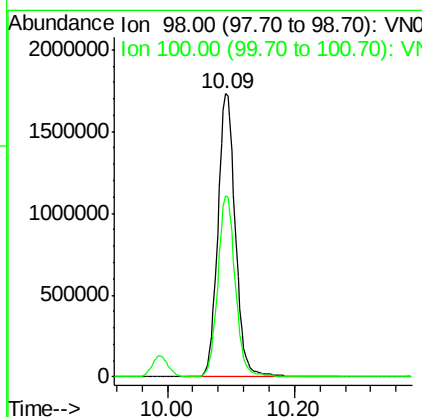
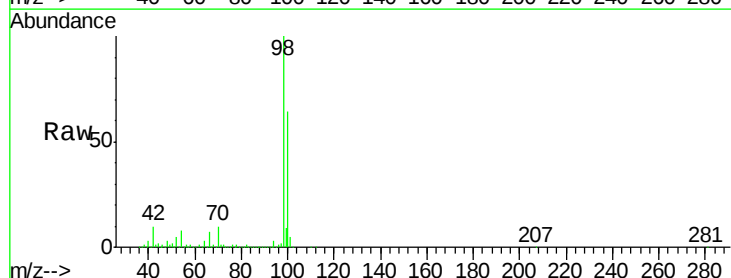
Manual Integrations
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#50
Toluene-d8
Concen: 50.380 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	98	Resp	3299509
Ion Ratio	Lower	Upper	
98	100		
100	64.0	49.8	74.8





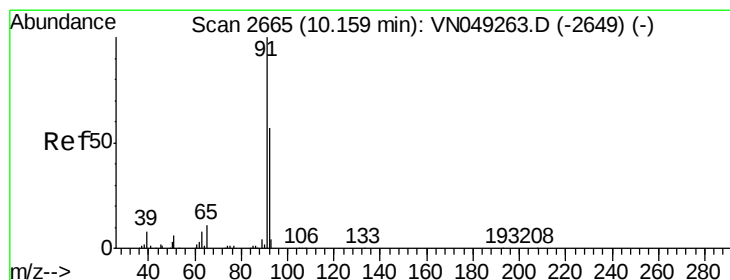
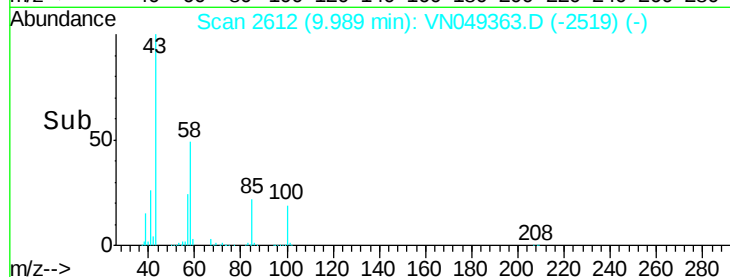
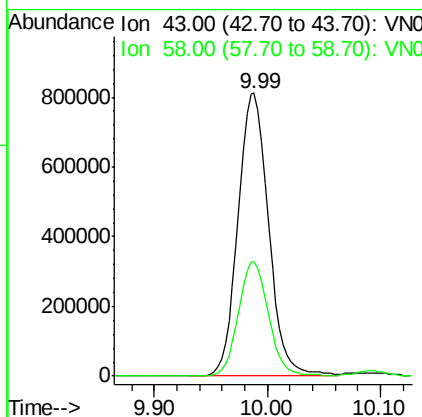
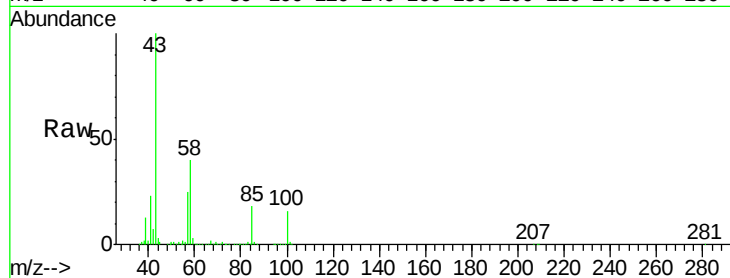
#51
4-Methyl-2-Pentanone
Concen: 115.215 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 43 Resp: 1528276
Ion Ratio Lower Upper
43 100
58 40.1 29.0 43.6

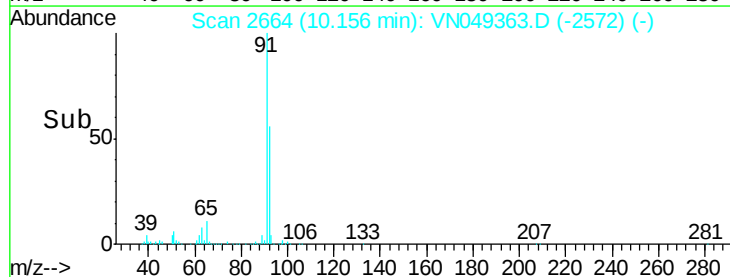
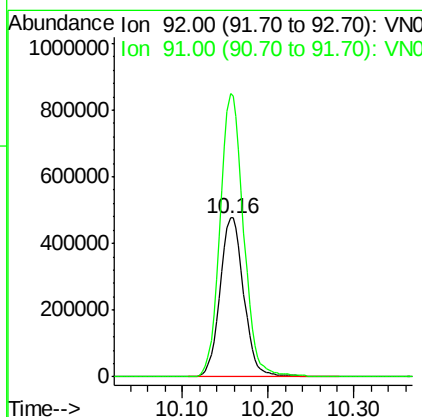
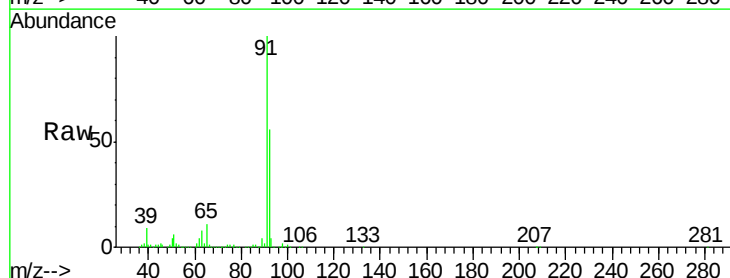
Manual Integrations
APPROVED

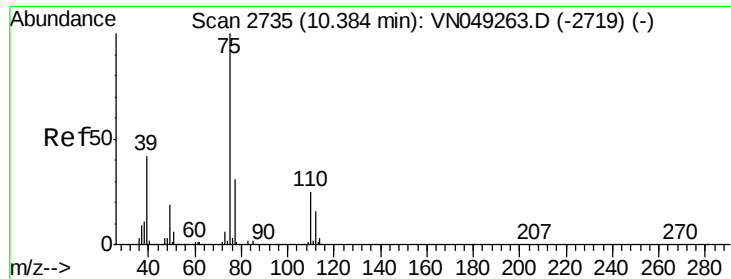
MMDadoda
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#52
Toluene
Concen: 20.995 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion: 92 Resp: 920494
Ion Ratio Lower Upper
92 100
91 176.0 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.381 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 75 Resp: 462088

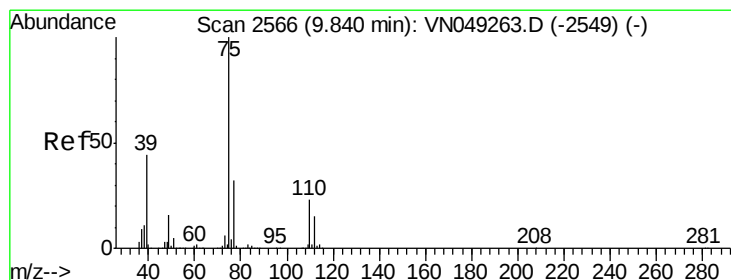
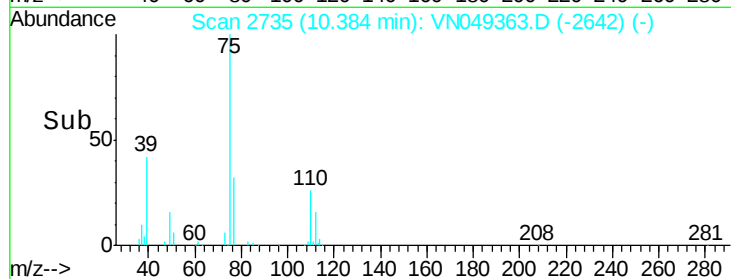
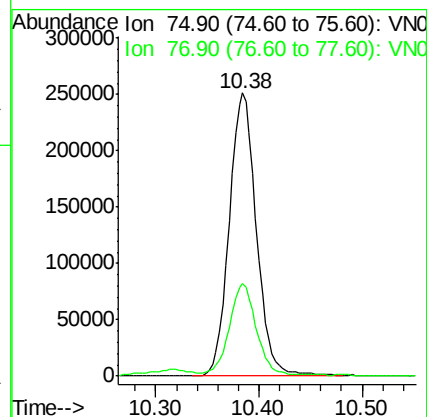
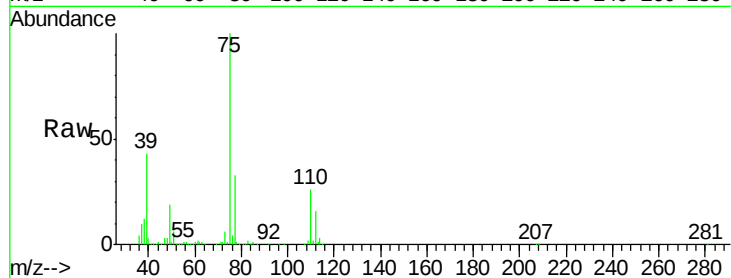
Ion Ratio Lower Upper

75 100

77 32.1 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 19.415 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

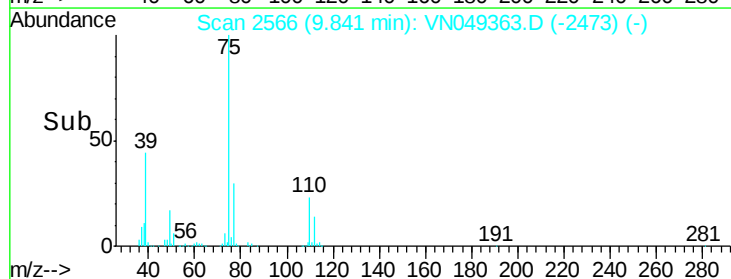
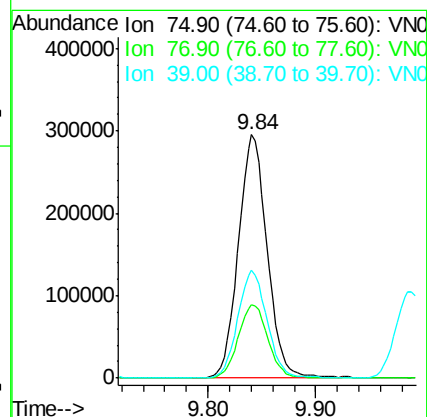
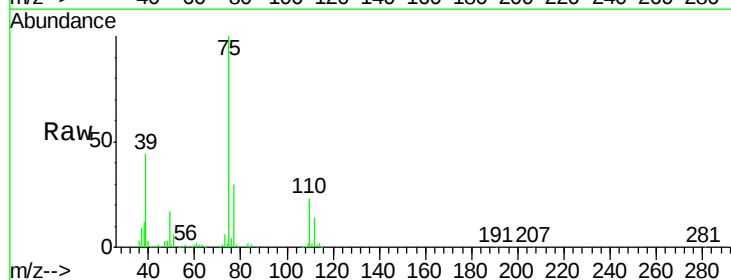
Tgt Ion: 75 Resp: 546560

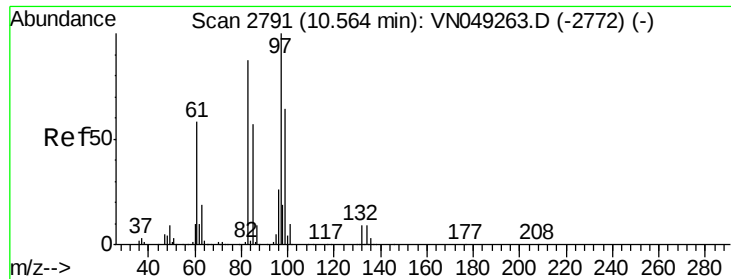
Ion Ratio Lower Upper

75 100

77 30.2 24.8 37.2

39 44.1 45.1 67.7#





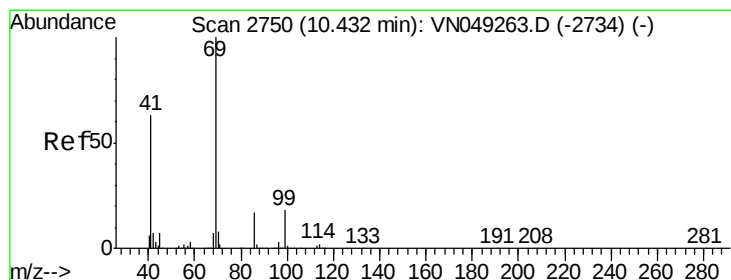
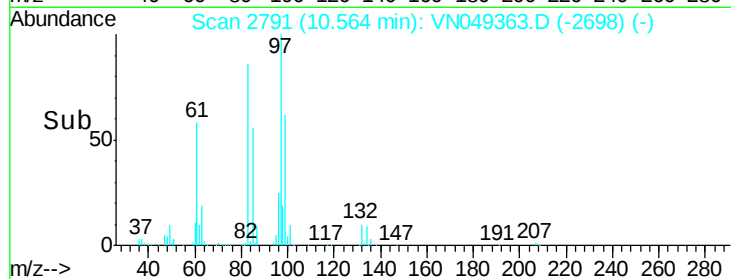
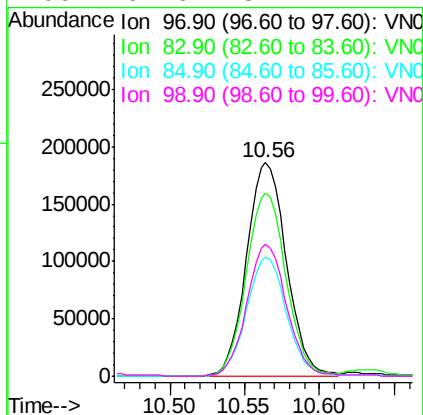
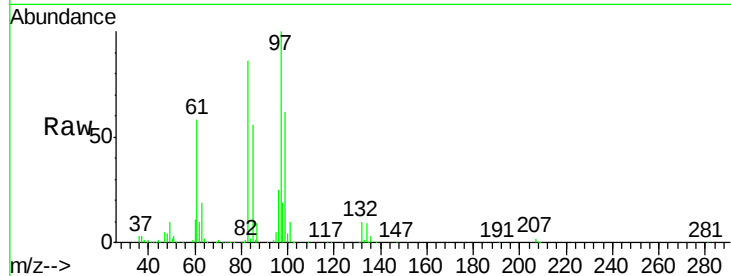
#55
 1,1,2-Trichloroethane
 Concen: 21.156 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	97	Resp	345792
Ion	Ratio	Lower	Upper
97	100		
83	85.7	71.5	107.3
85	55.9	47.0	70.4
99	61.6	51.4	77.2

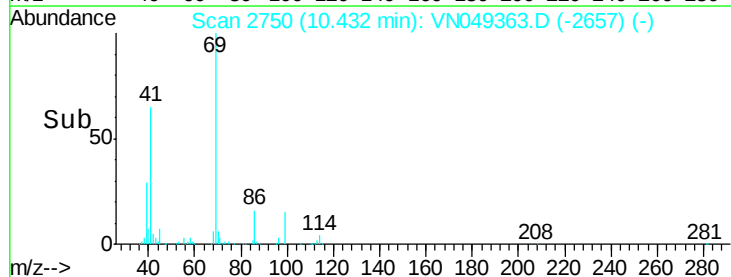
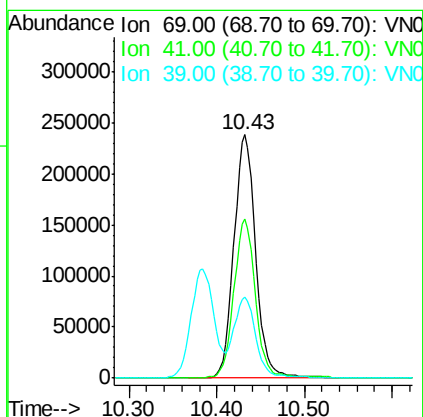
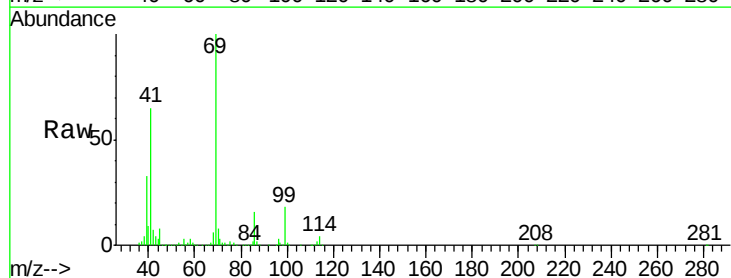
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 21.830 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	69	Resp	411629
Ion	Ratio	Lower	Upper
69	100		
41	63.7	58.4	87.6
39	33.6	35.5	53.3#





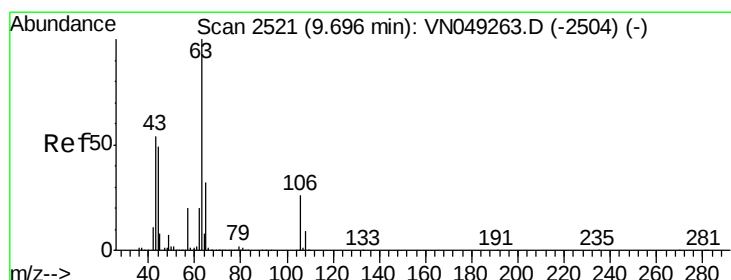
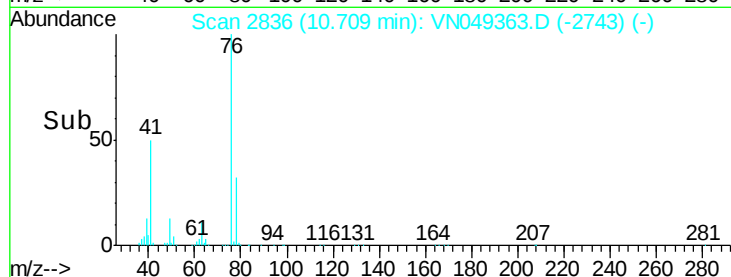
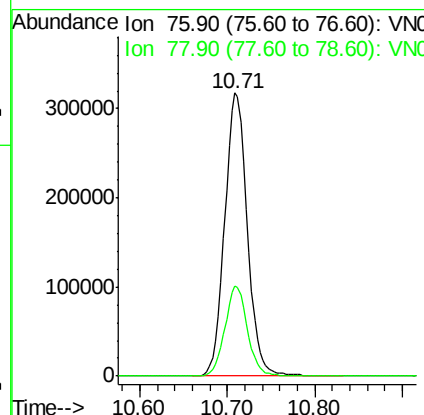
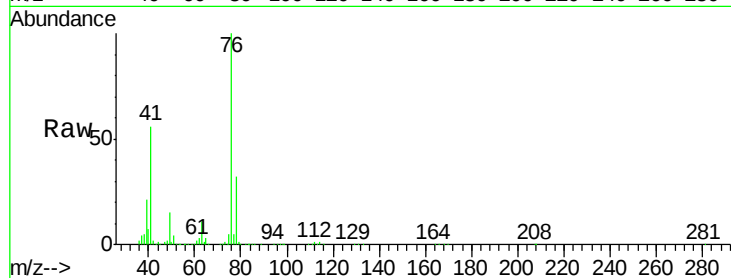
#57
 1,3-Dichloropropane
 Concen: 21.052 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

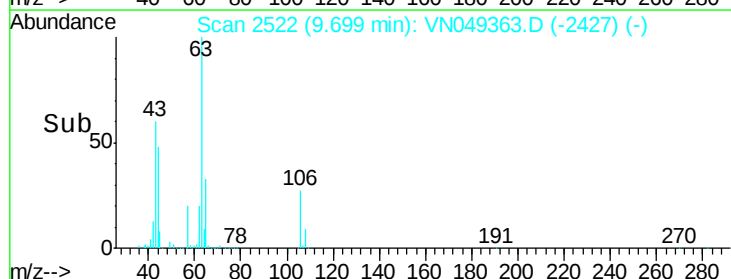
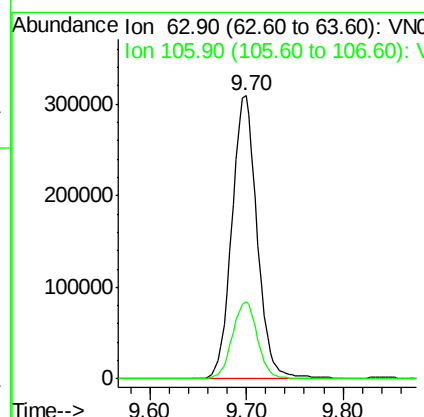
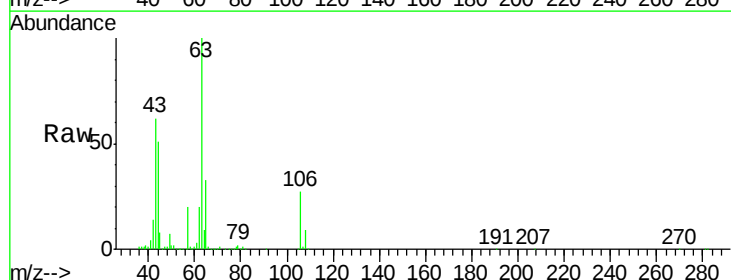
Manual Integrations
 APPROVED

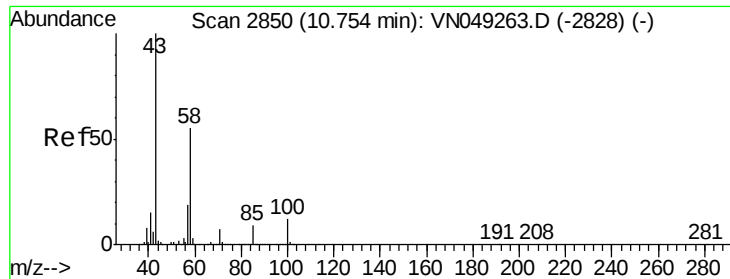
MMDadoda
 6/19/2018 1:55:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.979 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	19.4	29.2





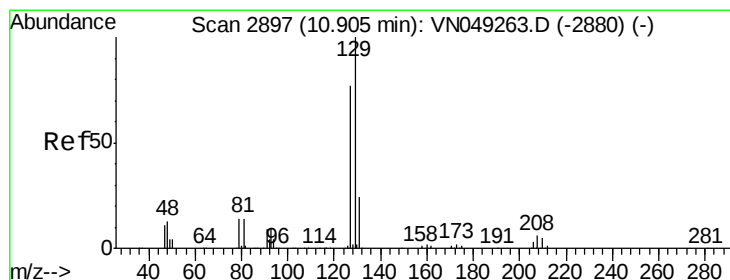
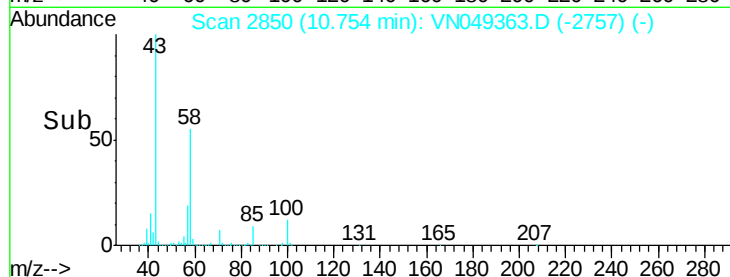
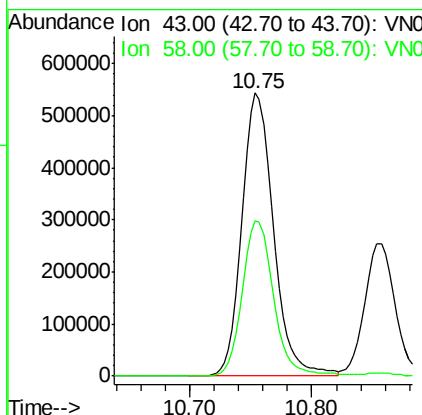
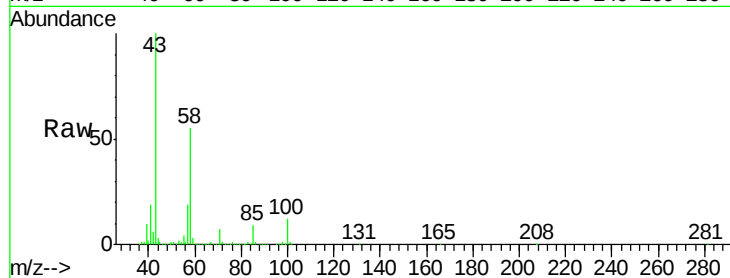
#59
2-Hexanone
Concen: 112.851 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 43 Resp: 965070
Ion Ratio Lower Upper
43 100
58 54.5 25.2 75.6

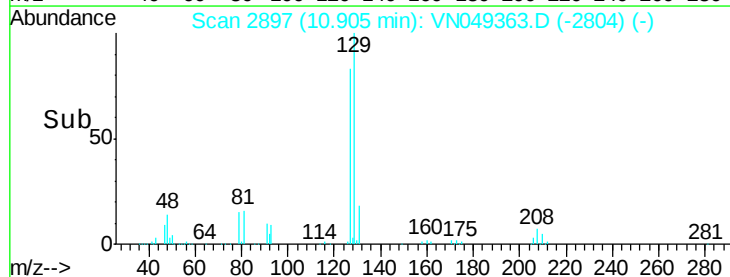
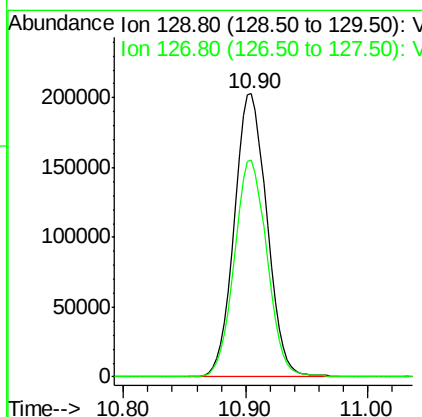
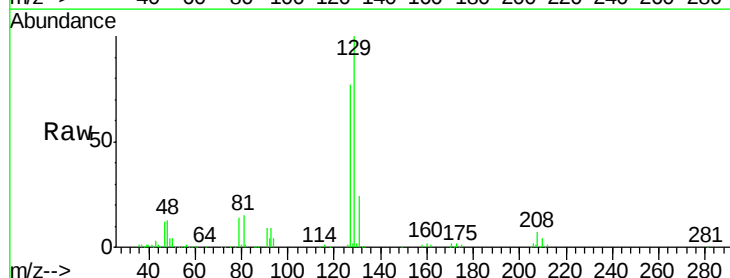
Manual Integrations
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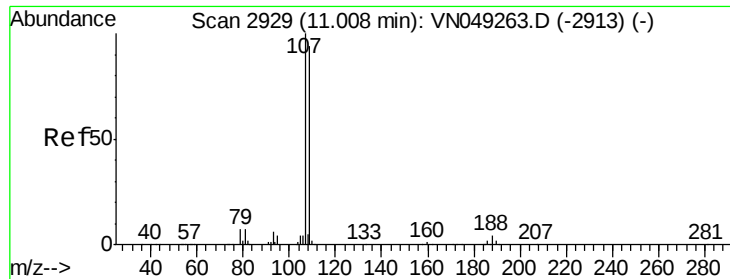
MMDadoda
6/19/2018 1:55:45 PM



#60
Dibromochloromethane
Concen: 20.653 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion: 129 Resp: 376749
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





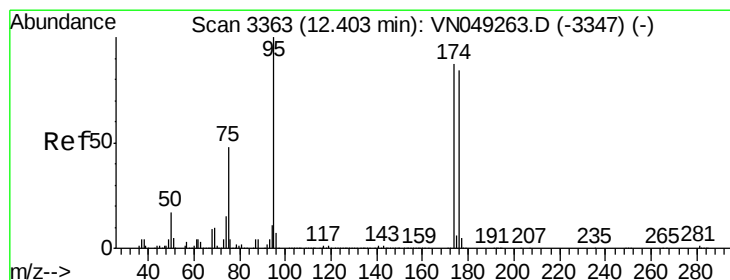
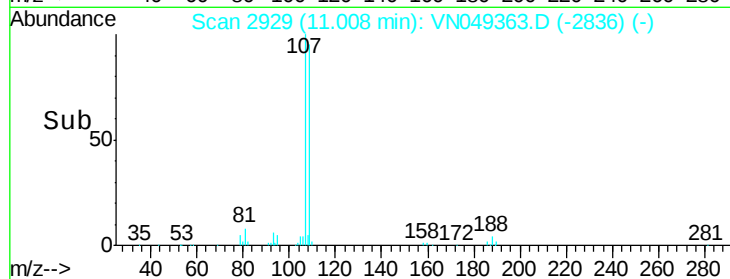
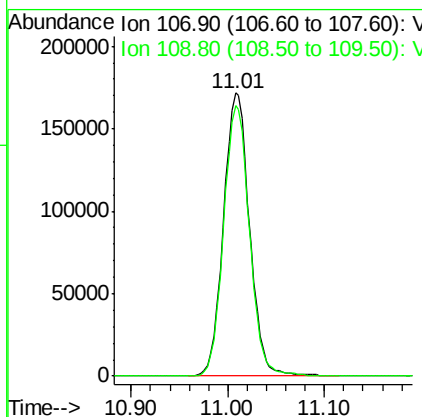
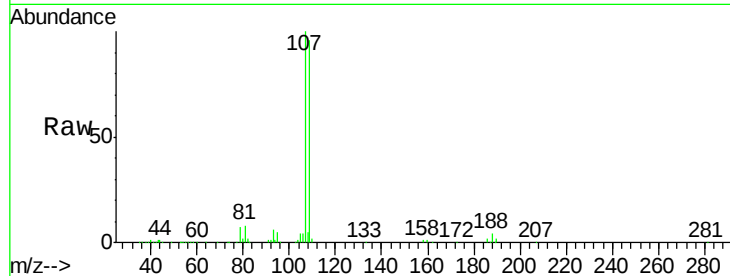
#61
 1,2-Dibromoethane
 Concen: 21.115 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

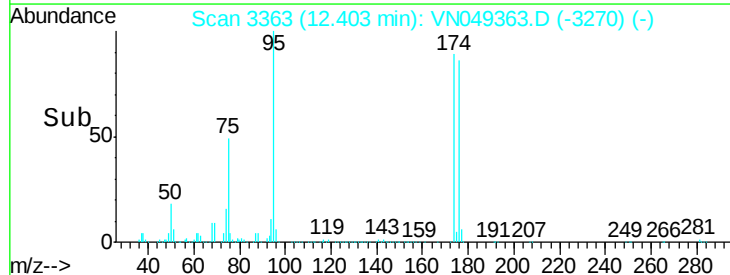
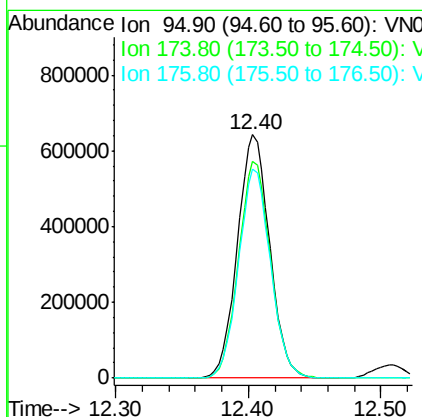
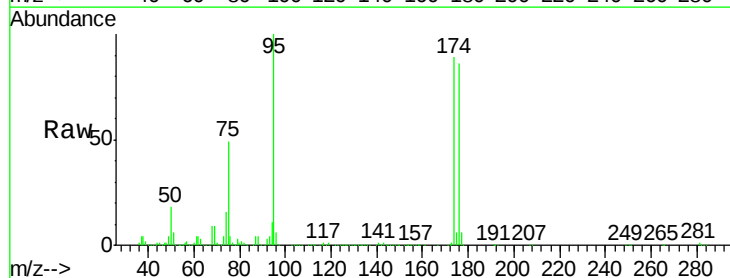
Manual Integrations
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 6/19/2018 1:55:45 PM



#62
 4-Bromofluorobenzene
 Concen: 49.997 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	165.6
176	85.1	0.0	157.4





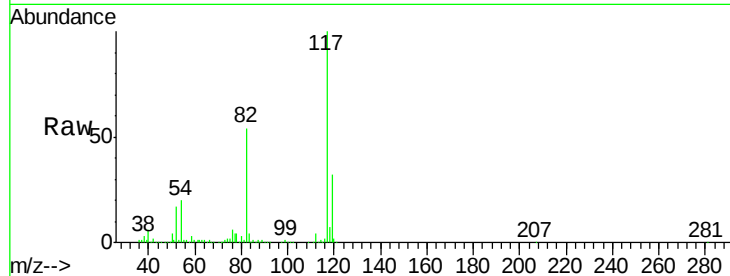
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

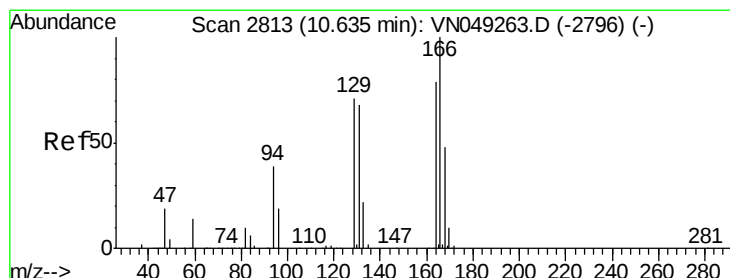
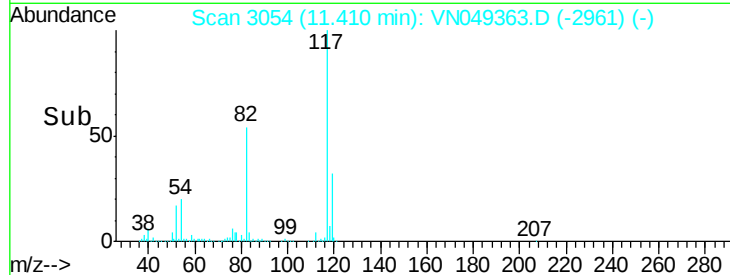
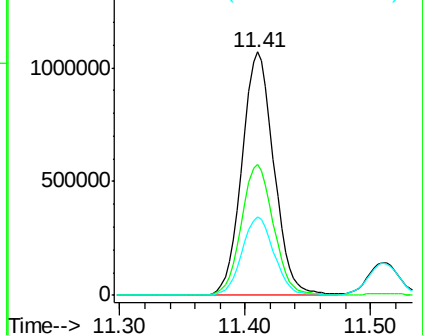
Tot Ion:117 Resp: 1889647
Ion Ratio Lower Upper
117 100
82 53.6 45.9 68.9
119 32.0 25.5 38.3

Manual Integrations
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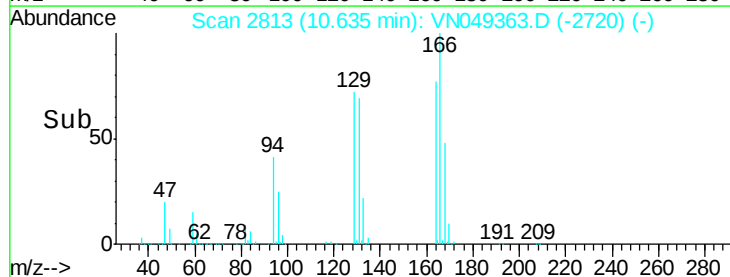
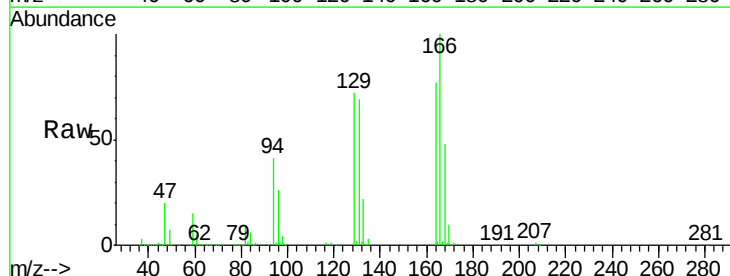
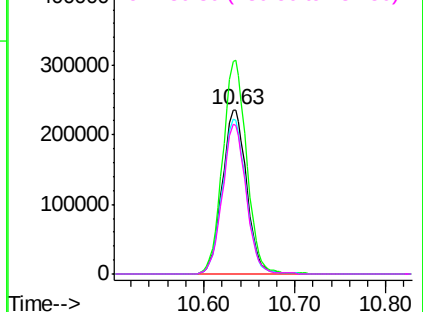
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

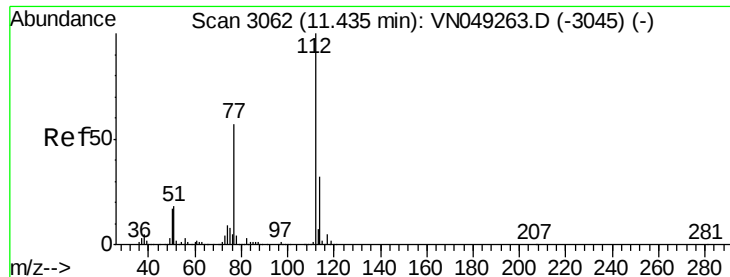


#64
Tetrachloroethene
Concen: 22.504 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion:164 Resp: 435753
Ion Ratio Lower Upper
164 100
166 130.3 101.4 152.2
129 93.7 74.1 111.1
131 90.5 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.369 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:112 Resp: 991515

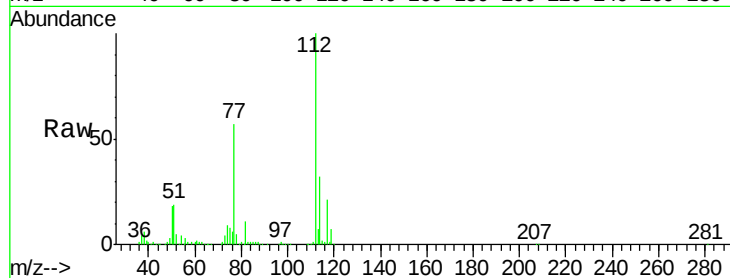
Ion Ratio Lower Upper

112 100

114 31.7 26.2 39.4

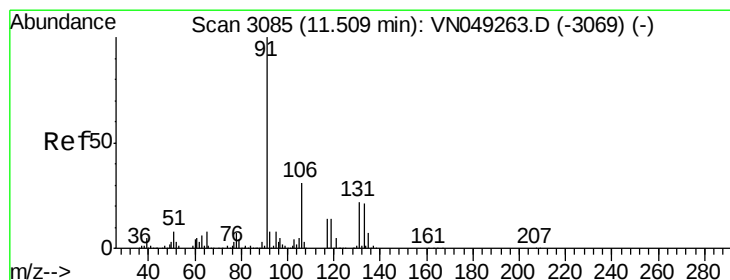
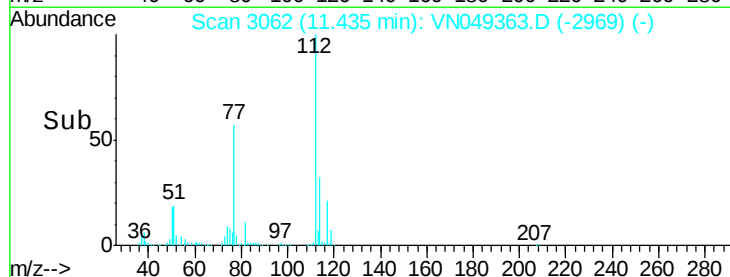
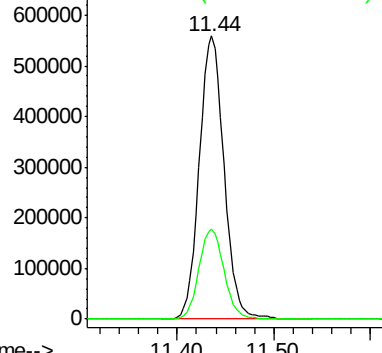
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.477 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

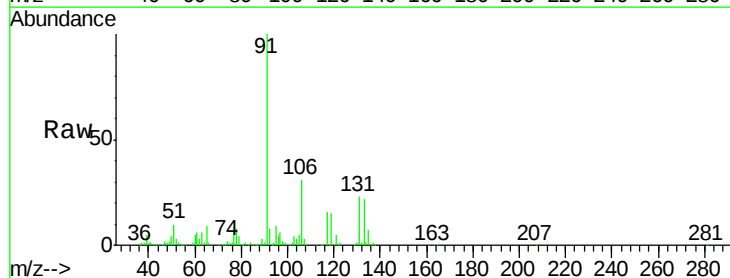
Tgt Ion:131 Resp: 375120

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

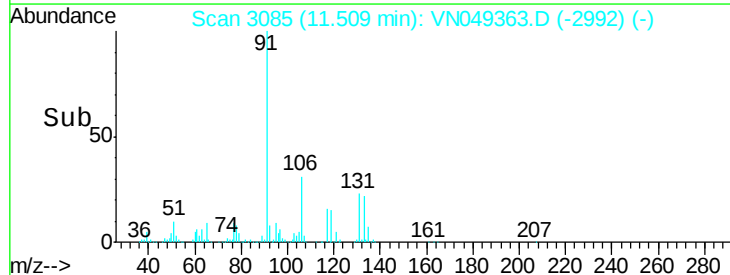
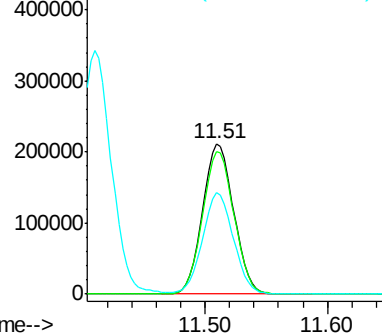
119 66.8 33.6 100.8

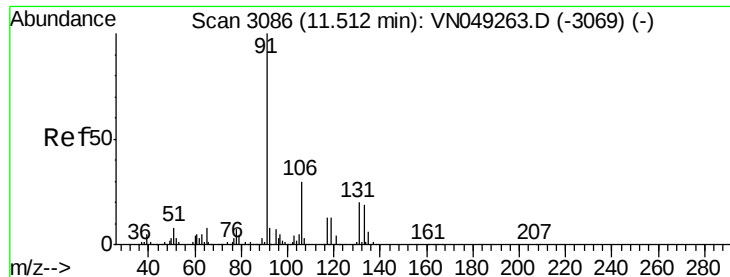


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





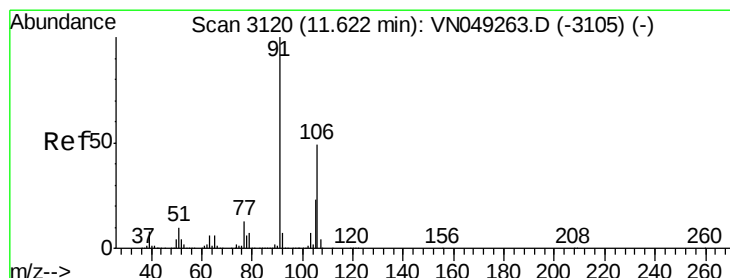
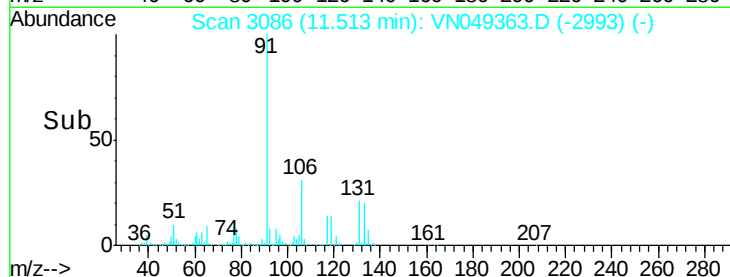
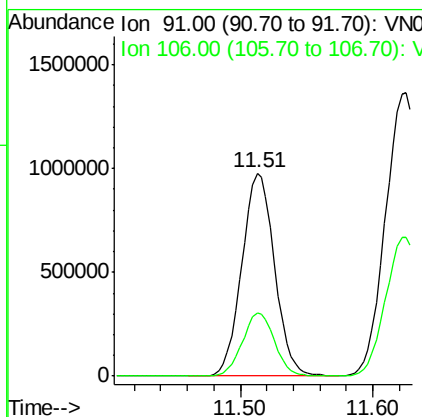
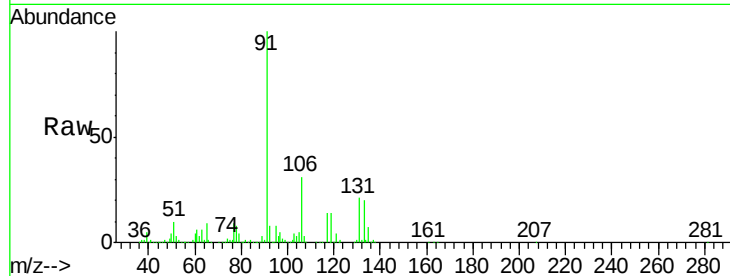
#67
Ethyl Benzene
Concen: 20.759 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion: 91 Resp: 1676116
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

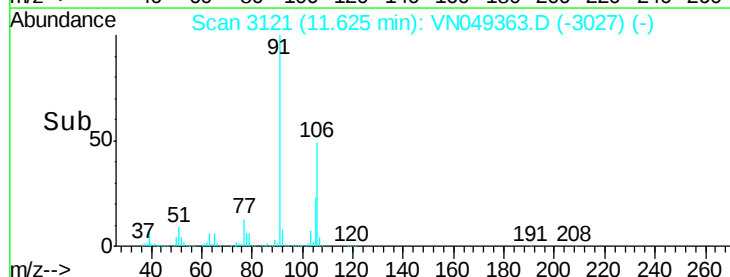
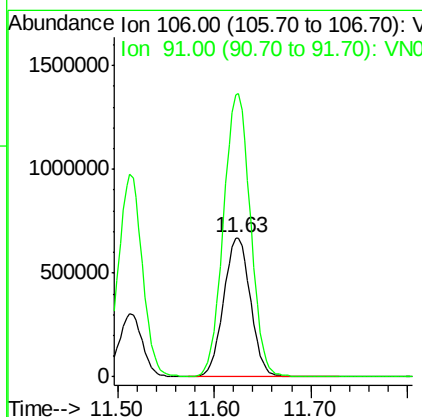
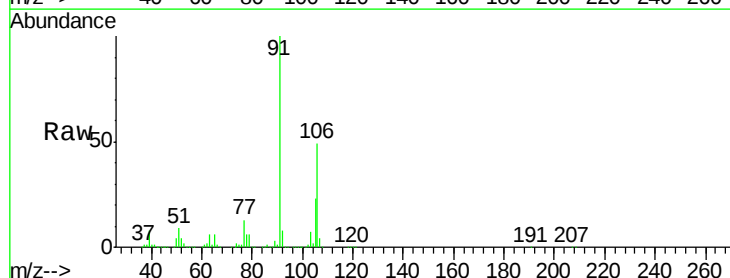
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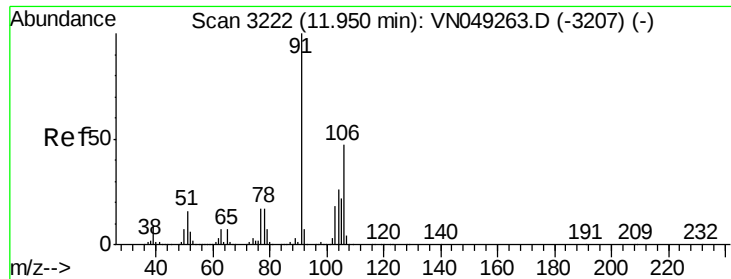
MMDadoda
6/19/2018 1:55:45 PM



#68
m/p-Xylenes
Concen: 42.533 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion: 106 Resp: 1288842
Ion Ratio Lower Upper
106 100
91 204.4 167.3 250.9





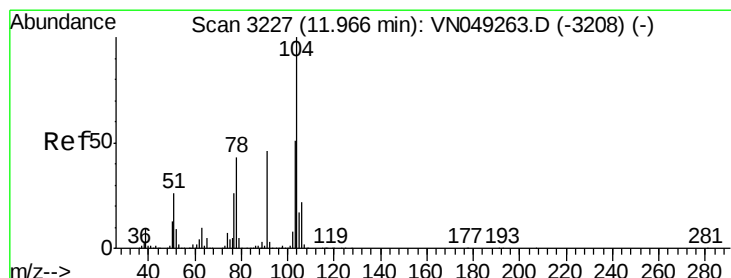
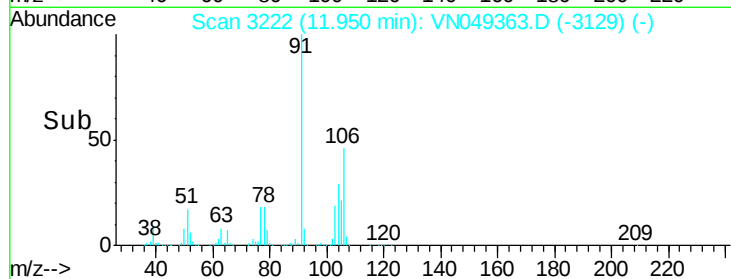
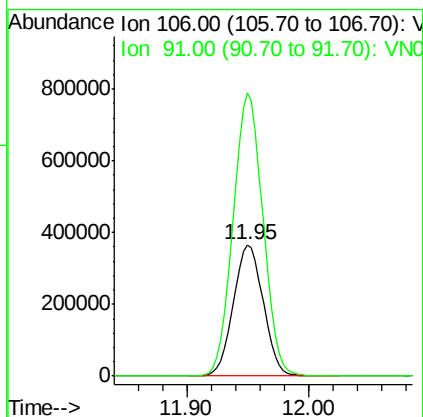
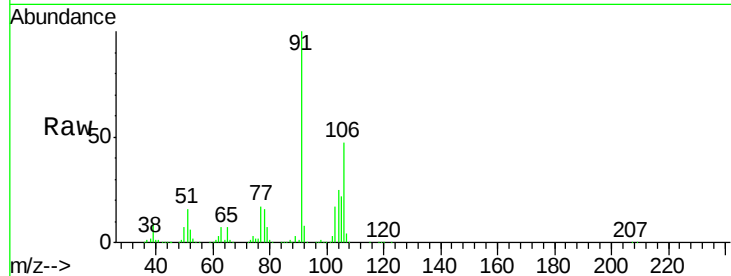
#69
o-Xylene
Concen: 21.353 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	214.9	111.0	333.0	

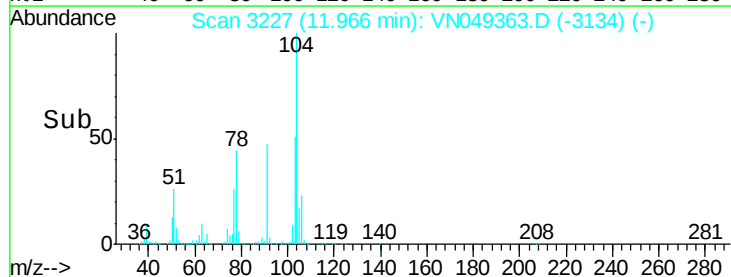
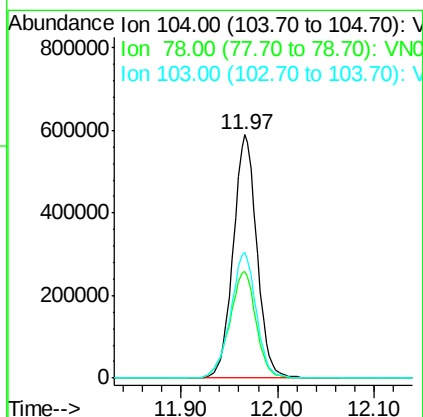
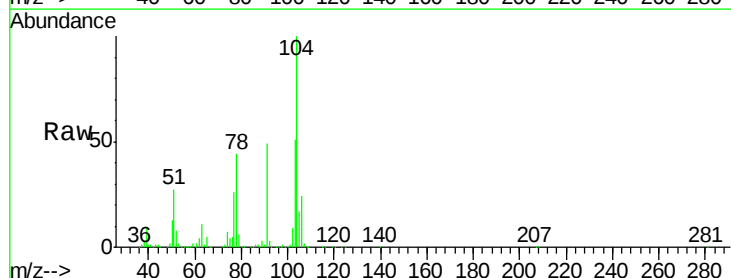
Manual Integrations
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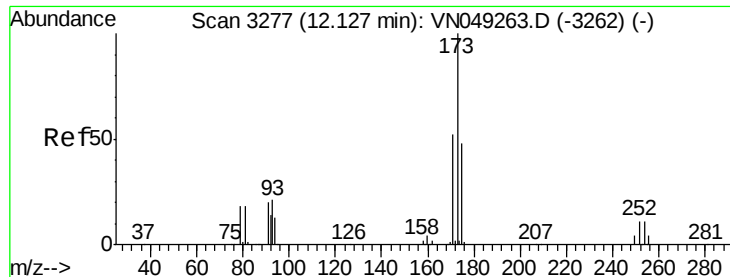
MMDadoda
6/19/2018 1:55:45 PM



#70
Styrene
Concen: 21.790 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.7	41.6	62.4	
103	55.6	45.4	68.2	





#71

Bromoform

Concen: 21.704 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

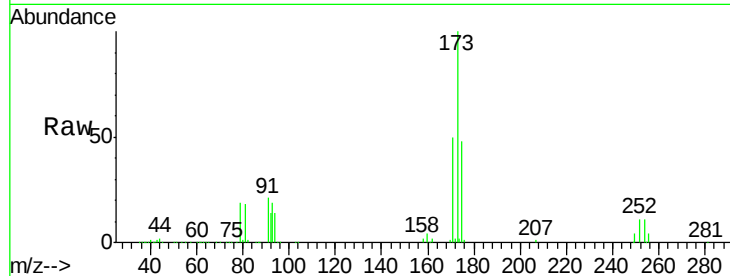
ClientSampleId :

VN0618WBSD02

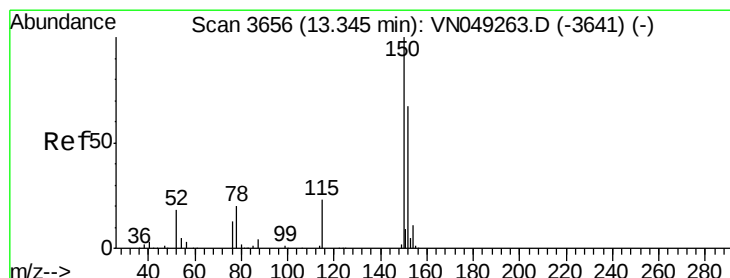
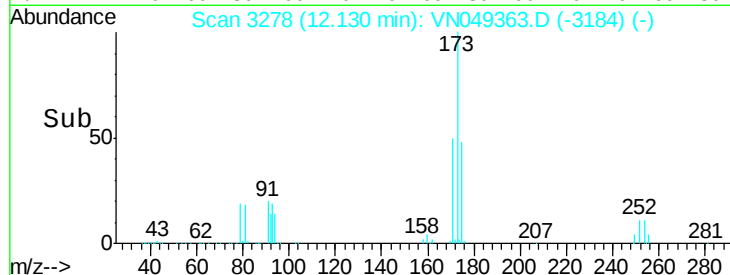
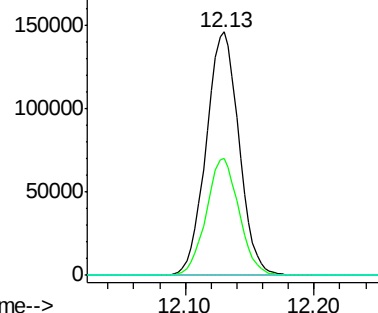
Tot Ion:	173	Resp:	257363
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.5	73.5
254	0.1	0.1	0.1

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

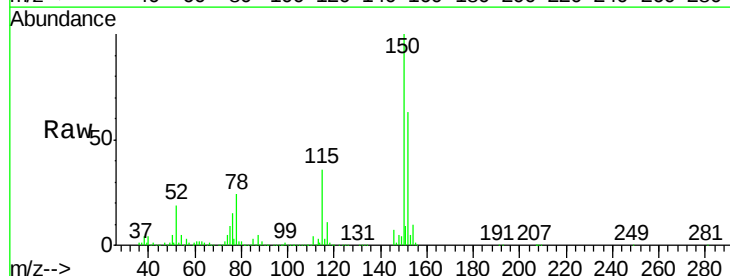
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

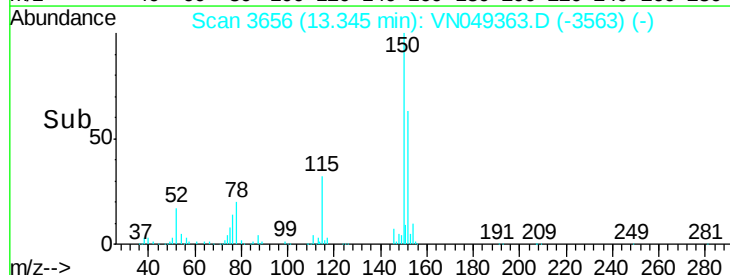
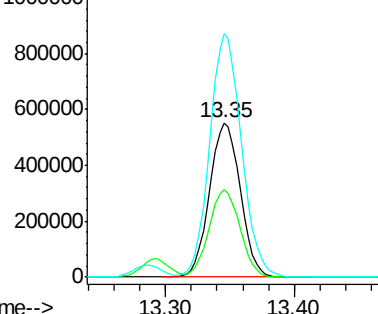
Lab File: VN049363.D

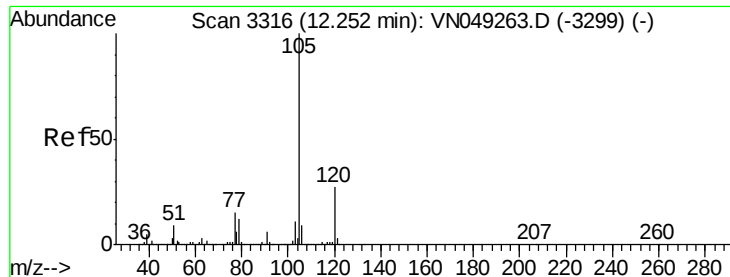
Acq: 19 Jun 2018 00:40

Tgt Ion:	152	Resp:	915504
Ion Ratio	Lower	Upper	
152	100		
115	57.0	28.7	86.1
150	163.3	0.0	351.0



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





#73

Isopropylbenzene

Concen: 20.664 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:105 Resp: 1661070

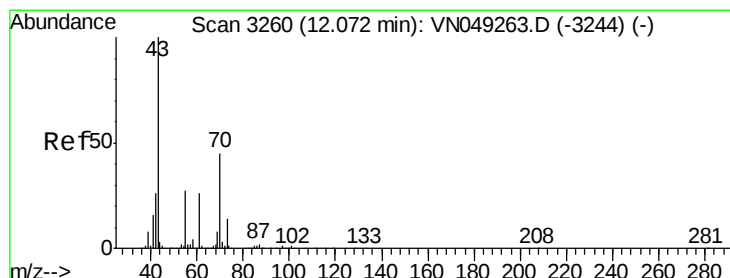
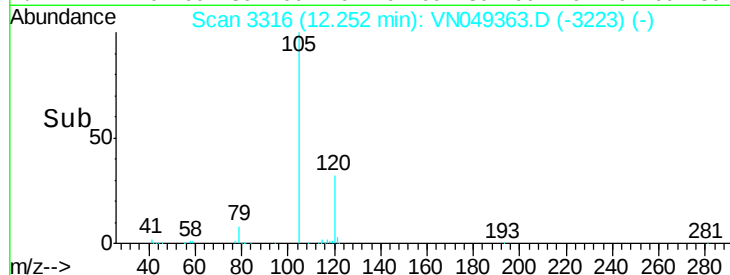
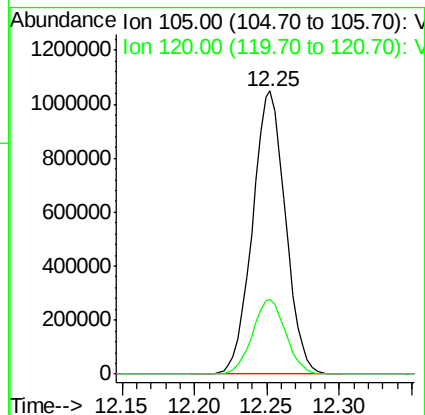
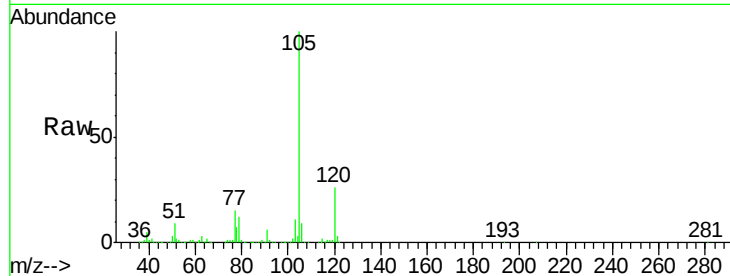
Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3

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#74

N-ethyl acetate

Concen: 21.512 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion: 43 Resp: 423550

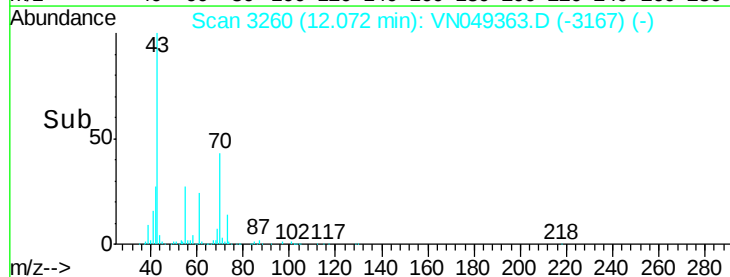
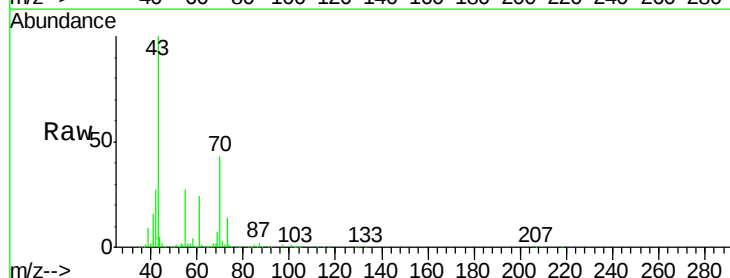
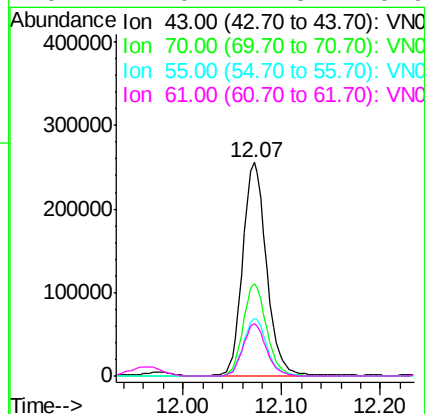
Ion Ratio Lower Upper

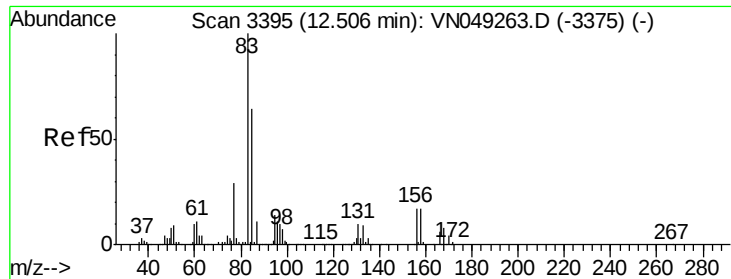
43 100

70 42.8 30.3 45.5

55 27.1 19.4 29.2

61 24.0 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.946 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 83 Resp: 399488

Ion Ratio Lower Upper

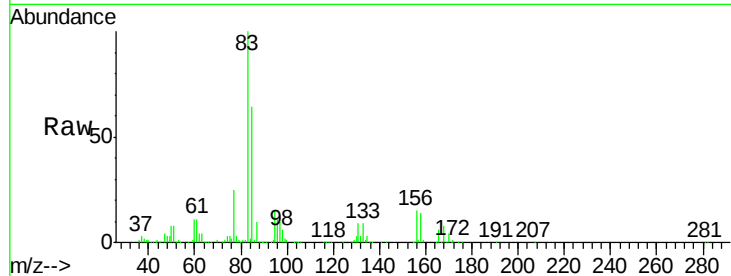
83 100

131 10.0 5.0 15.0

85 63.9 32.0 96.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN049363.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN049363.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN049363.D (-3301) (-)

12.51

250000

200000

150000

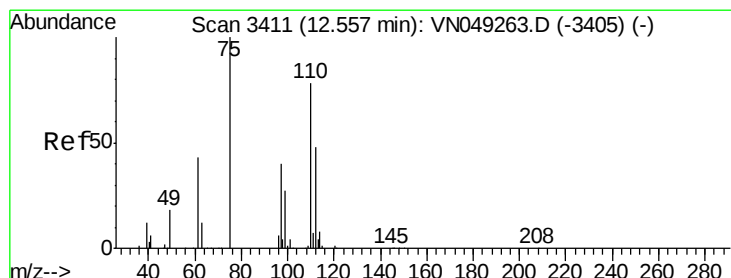
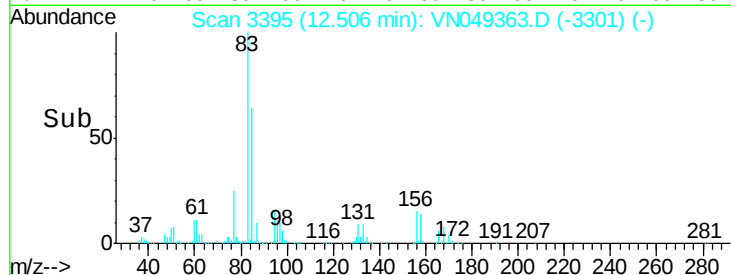
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.614 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049363.D

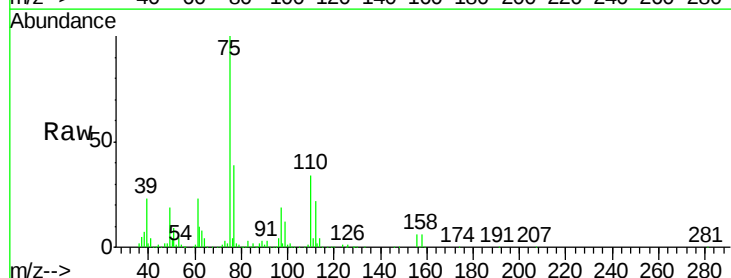
Acq: 19 Jun 2018 00:40

Tgt Ion: 75 Resp: 337635

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049363.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049363.D (-3318) (-)

400000

300000

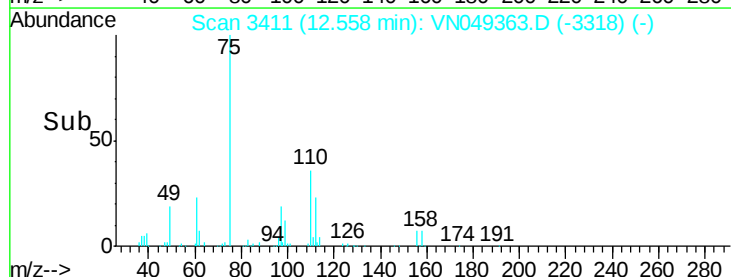
200000

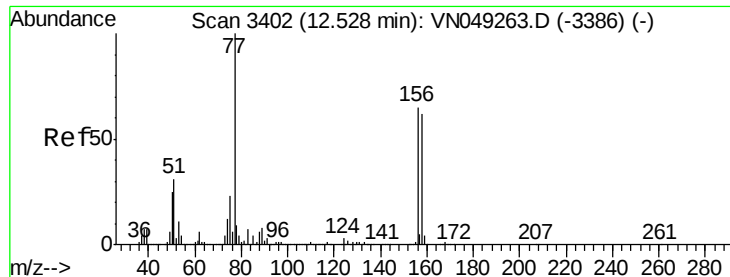
100000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 19.637 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

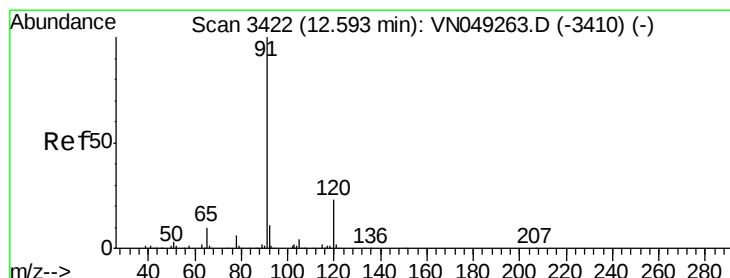
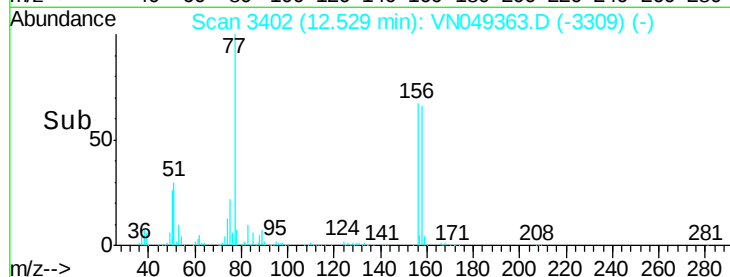
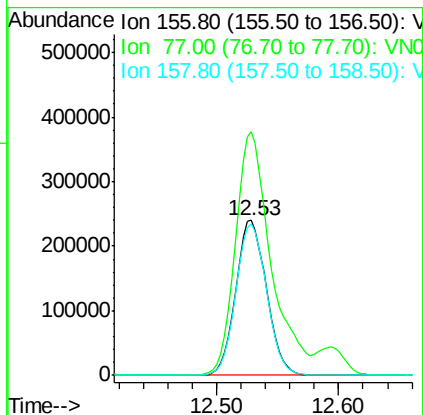
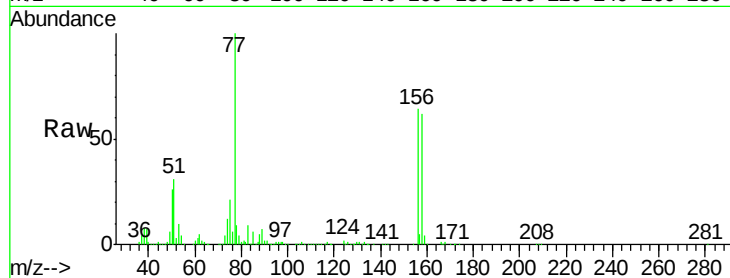
ClientSampleId :

VN0618WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	182.7	100.8	302.4	
158	97.7	49.3	147.9	

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#78

n-propylbenzene

Concen: 20.814 ug/l

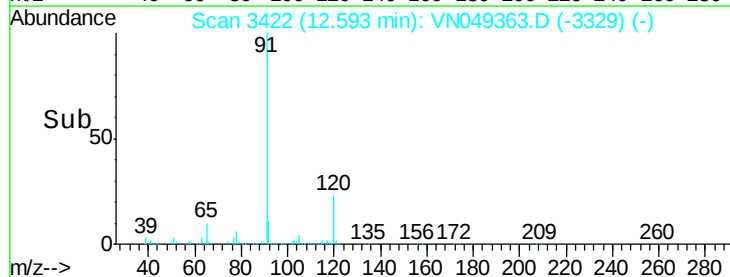
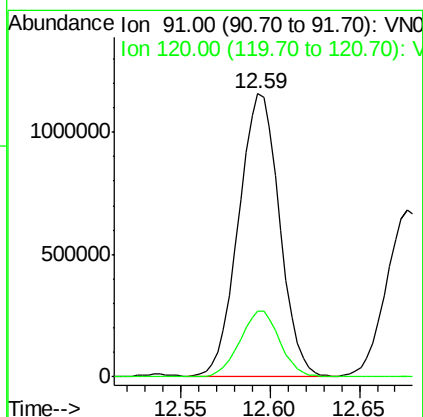
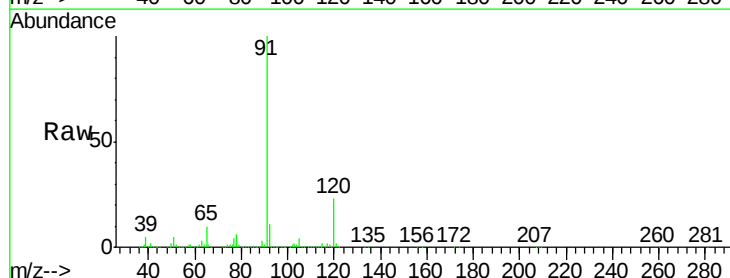
RT: 12.59 min Scan# 3422

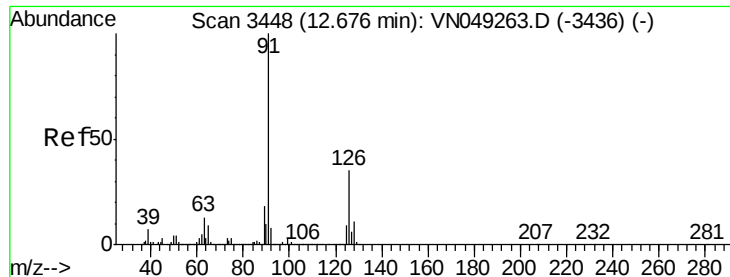
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.2	33.5	





#79

2-Chlorotoluene

Concen: 20.428 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion: 91 Resp: 1142409

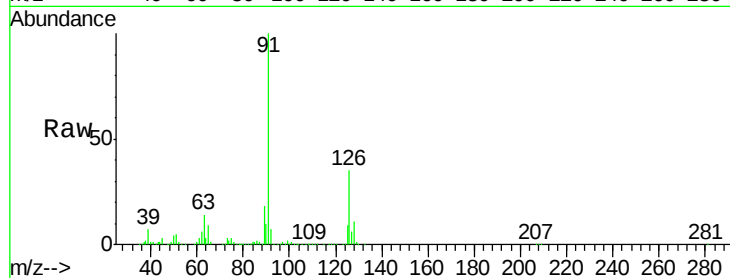
Ion Ratio Lower Upper

91 100

126 34.4 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

800000

600000

400000

200000

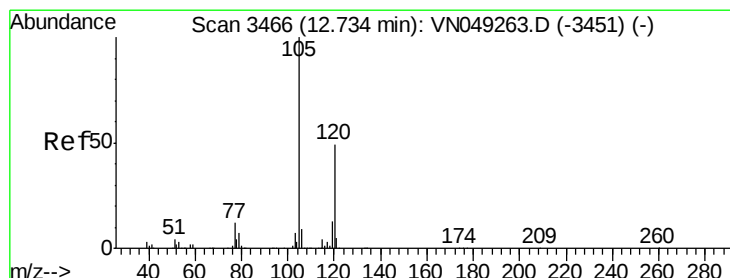
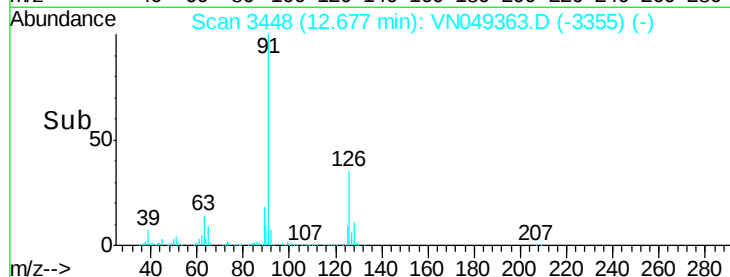
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.525 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049363.D

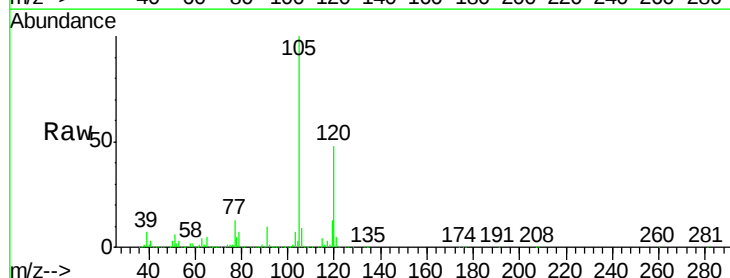
Acq: 19 Jun 2018 00:40

Tgt Ion:105 Resp: 1359990

Ion Ratio Lower Upper

105 100

120 48.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

1000000

800000

600000

400000

200000

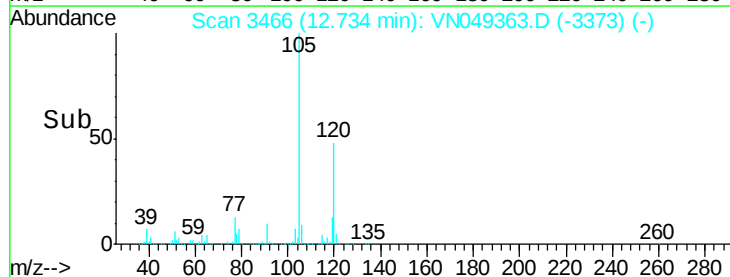
0

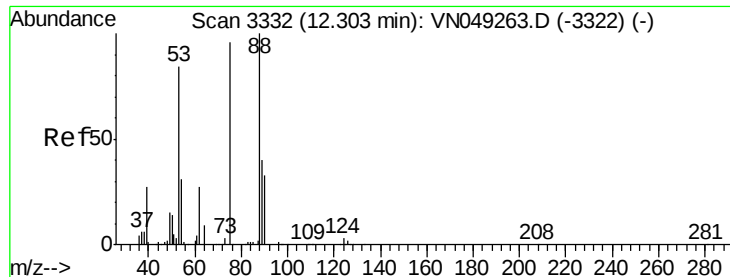
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.785 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

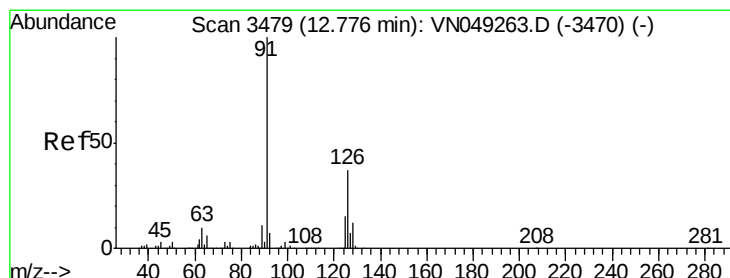
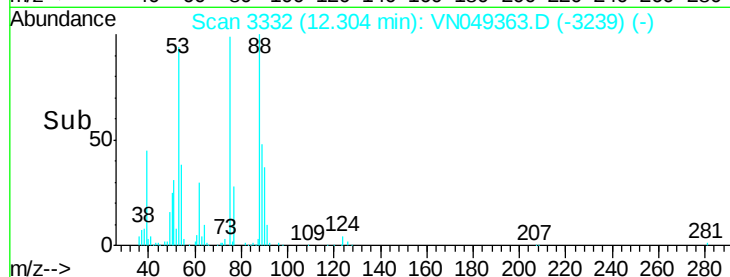
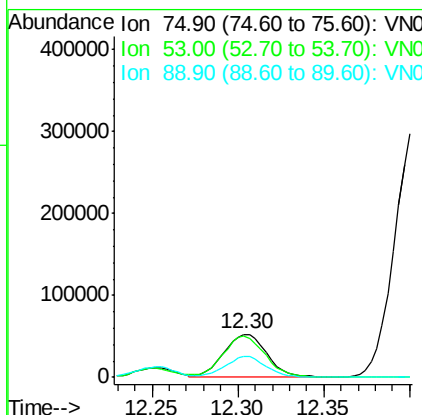
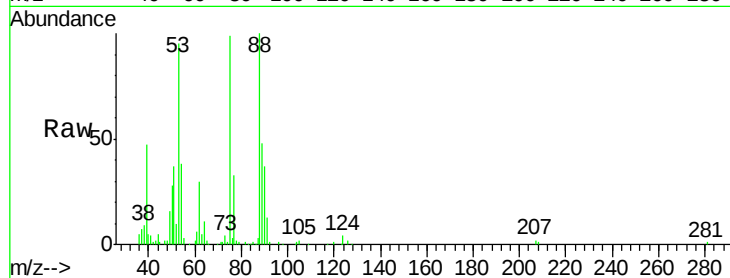
ClientSampleId :

VN0618WBSD02

Tot Ion:	75	Resp:	92843
Ion	Ratio	Lower	Upper
75	100		
53	93.1	82.7	124.1
89	46.2	36.5	54.7

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#82

4-Chlorotoluene

Concen: 20.900 ug/l

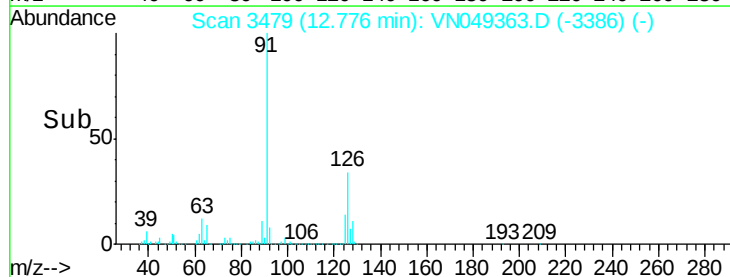
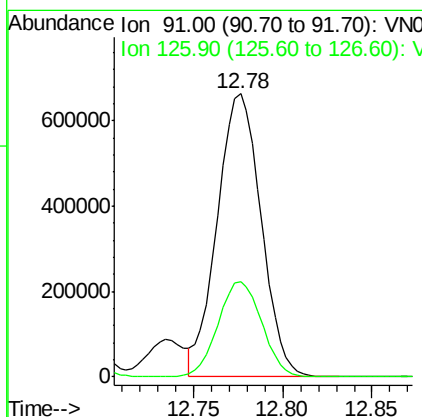
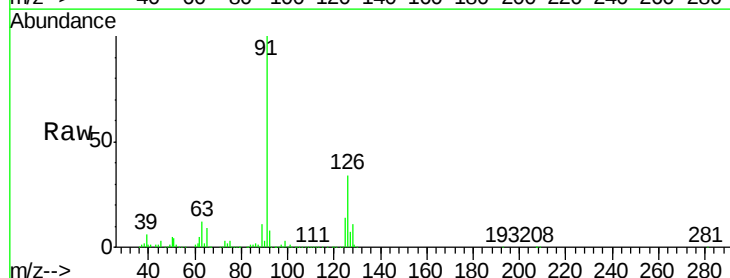
RT: 12.78 min Scan# 3479

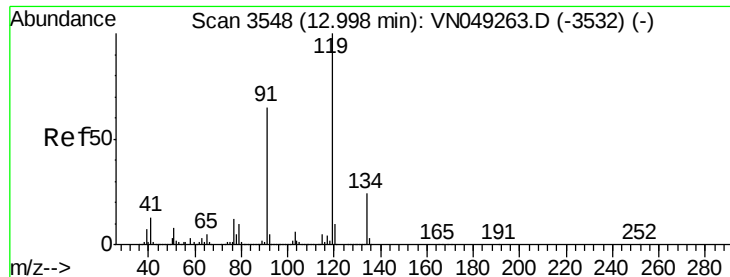
Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	91	Resp:	1127589
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.1





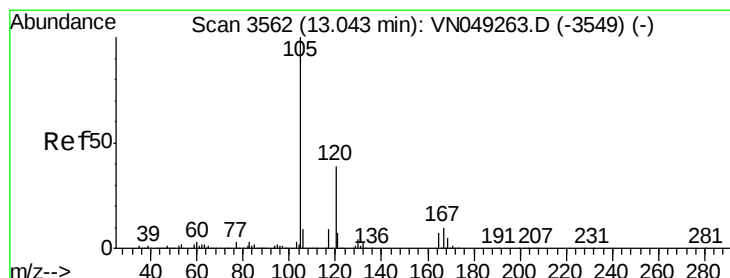
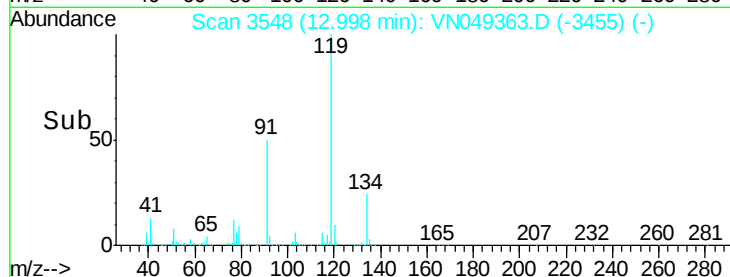
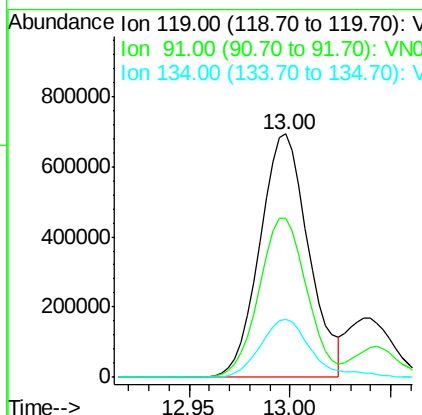
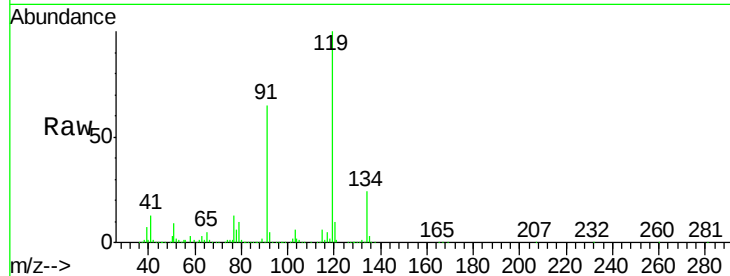
#83
 tert-Butylbenzene
 Concen: 20.831 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion:119 Resp: 1165979
 Ion Ratio Lower Upper
 119 100
 91 64.0 33.7 101.0
 134 25.2 12.9 38.6

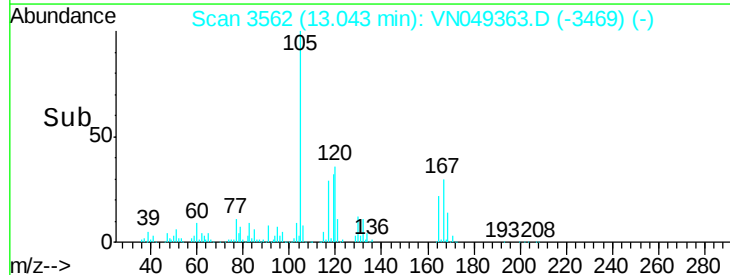
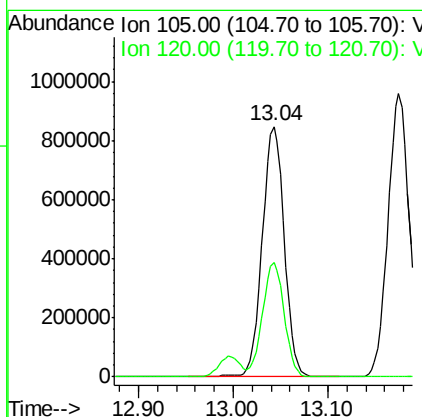
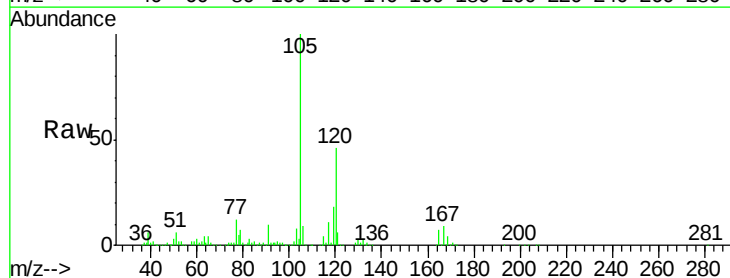
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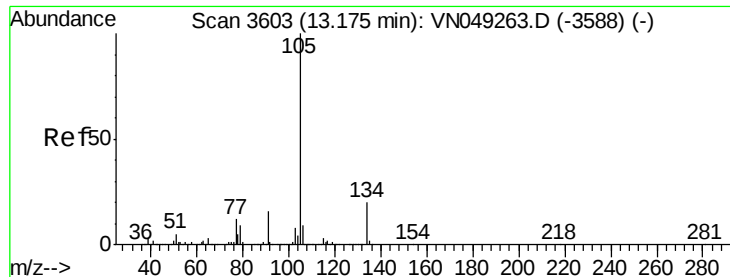
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.795 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion:105 Resp: 1367938
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.213 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD02

Tot Ion:105 Resp: 1505903

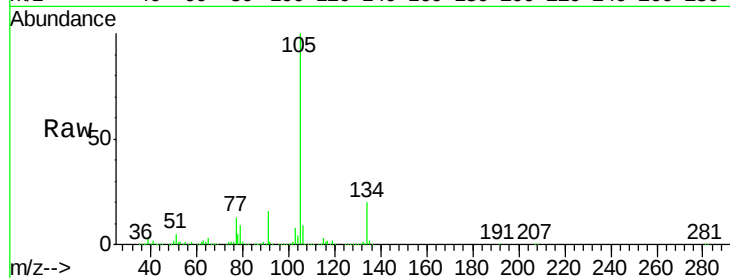
Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.3

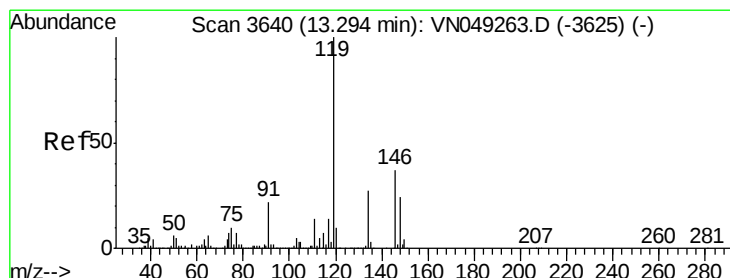
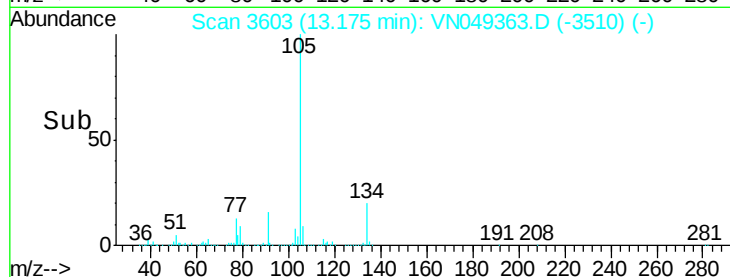
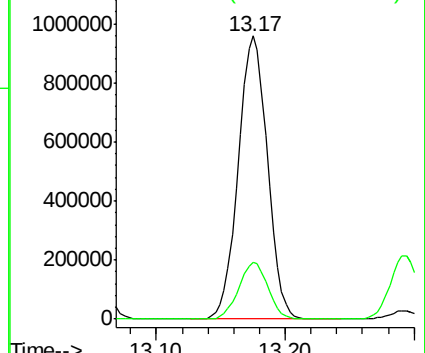
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.261 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

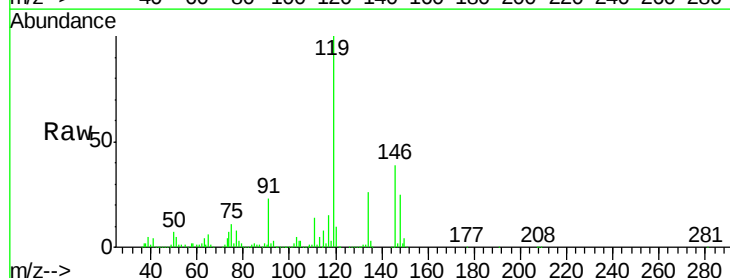
Tgt Ion:119 Resp: 1261149

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

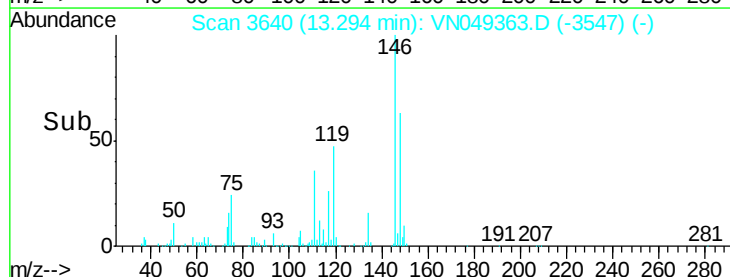
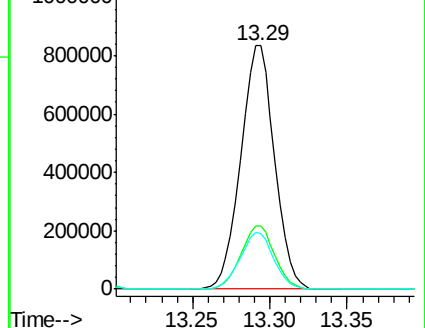
91 23.1 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





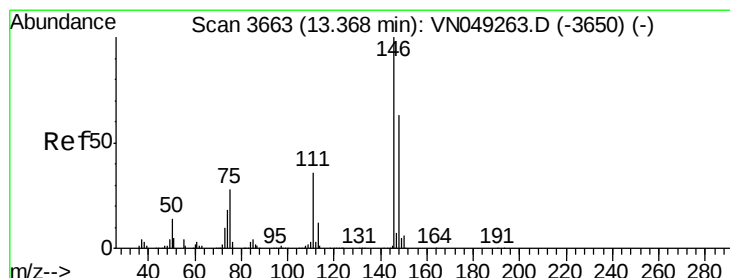
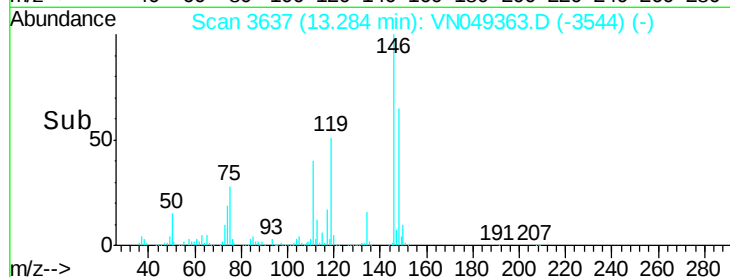
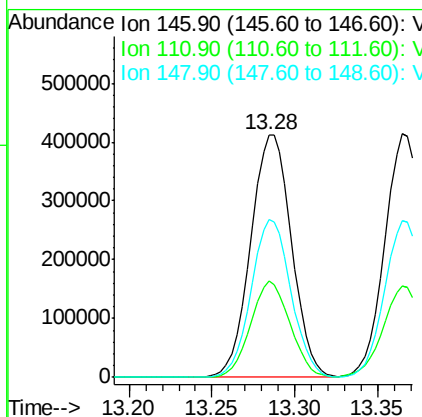
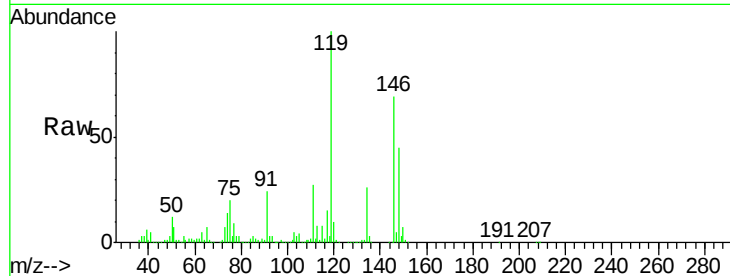
#87
 1,3-Dichlorobenzene
 Concen: 20.318 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.9	59.6
148	63.3	32.1	96.5

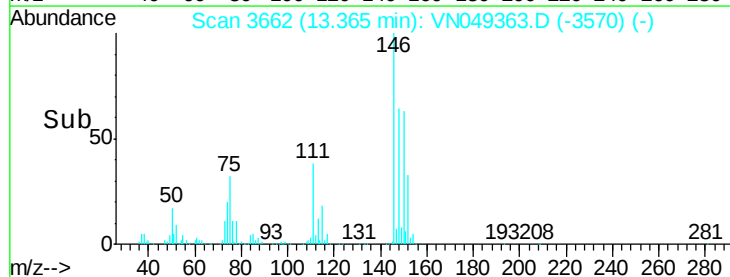
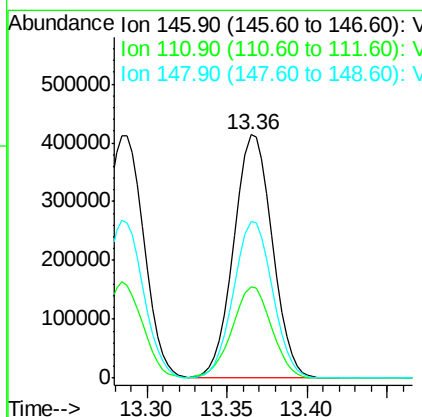
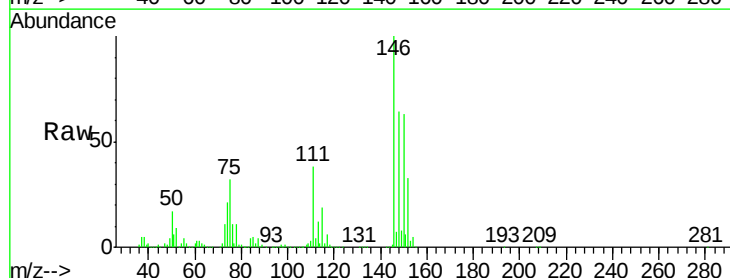
Manual Integrations
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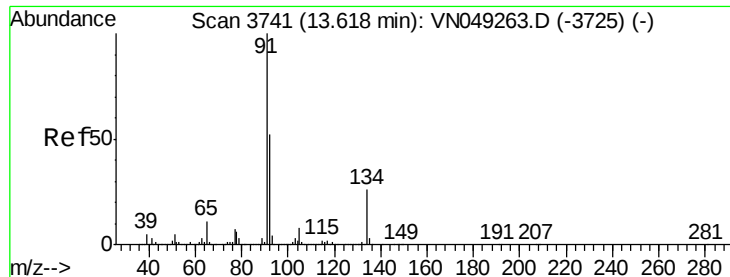
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#88
 1,4-Dichlorobenzene
 Concen: 19.674 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	65.1	32.0	96.2





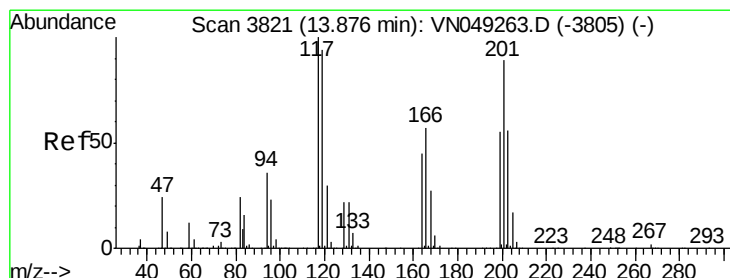
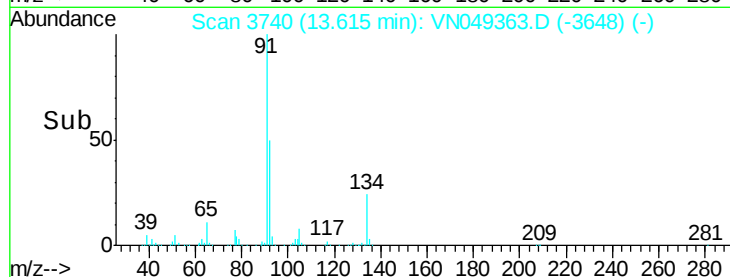
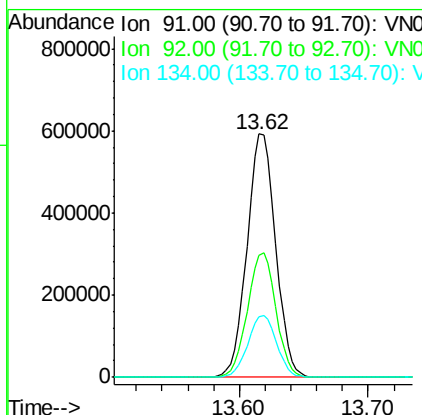
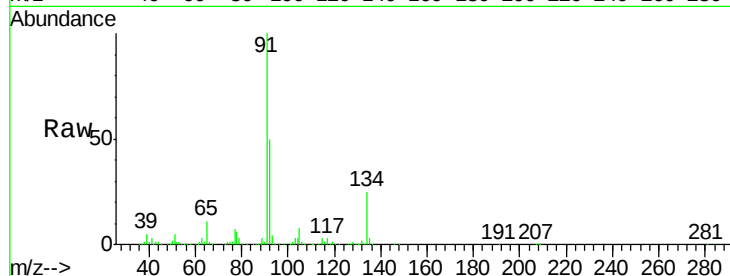
#89
n-Butylbenzene
Concen: 18.851 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.1	75.4
134	25.6	12.0	36.0

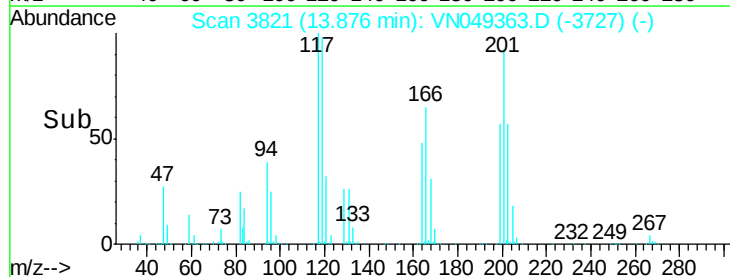
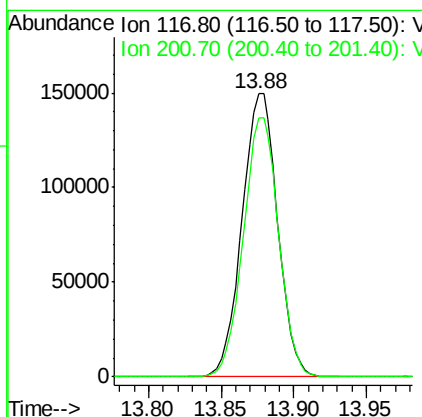
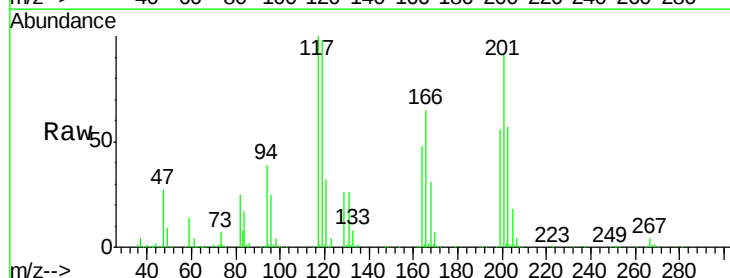
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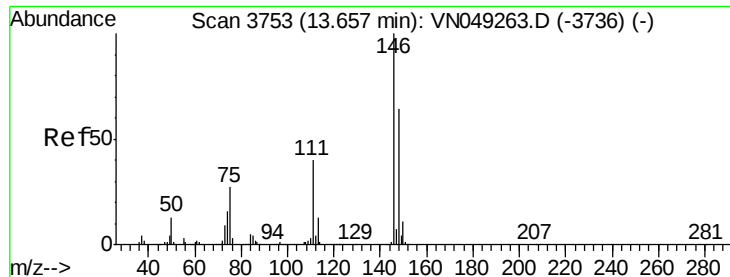
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#90
Hexachloroethane
Concen: 20.679 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049363.D
Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	40.1	120.2





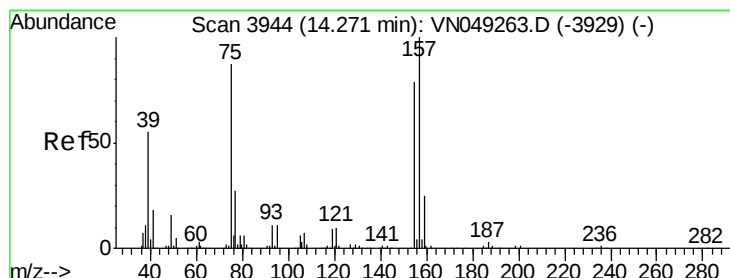
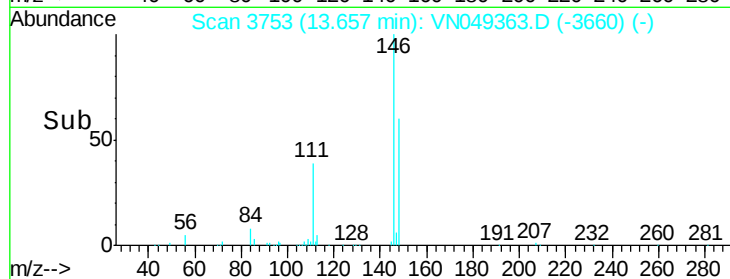
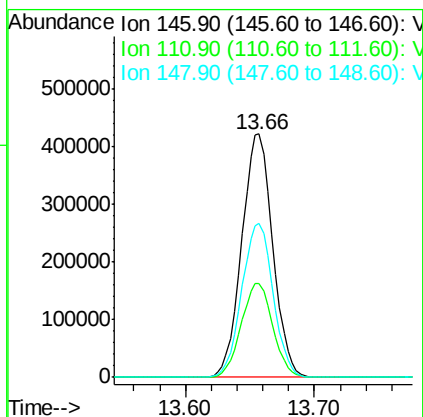
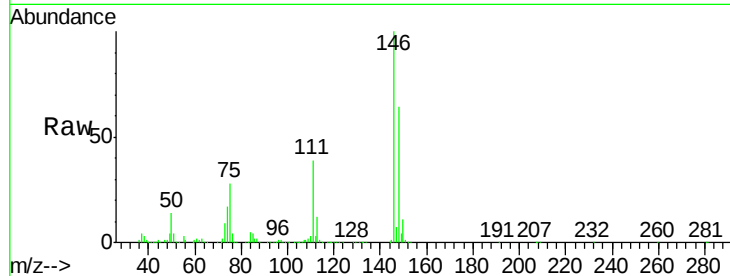
#91
 1,2-Dichlorobenzene
 Concen: 20.552 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.0	32.0	96.2

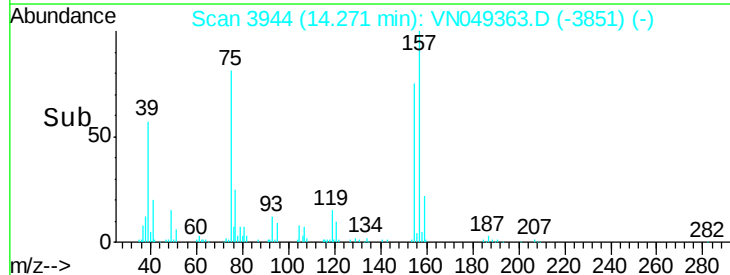
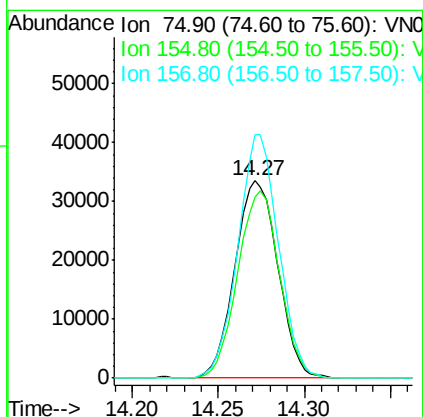
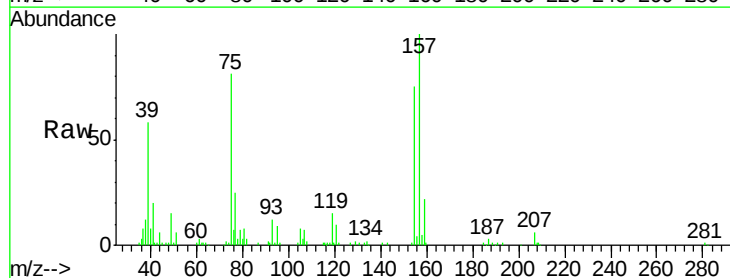
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.885 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	38.8	116.3
157	116.0	51.0	153.1





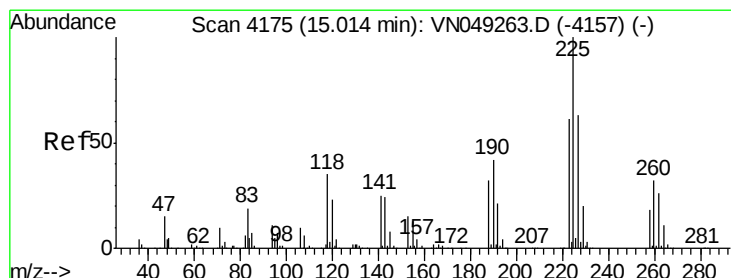
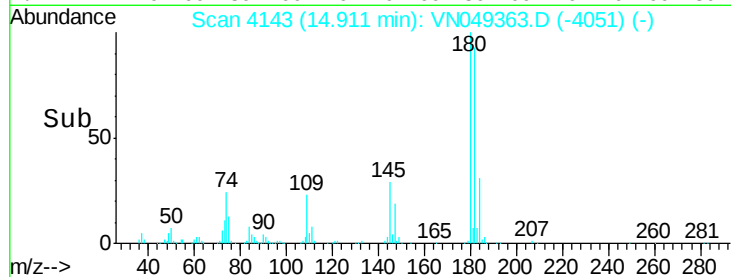
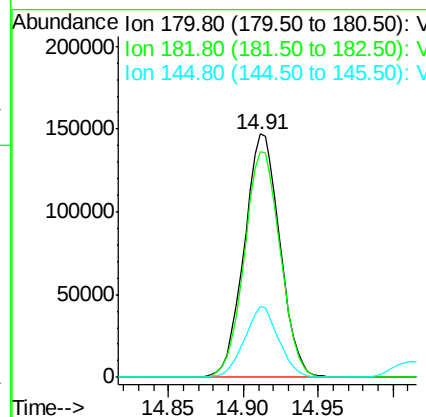
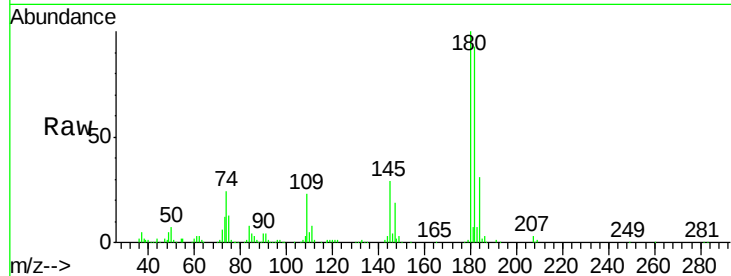
#93
 1,2,4-Trichlorobenzene
 Concen: 18.784 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243573		
182	93.4	46.9	140.8	
145	28.0	14.7	44.1	

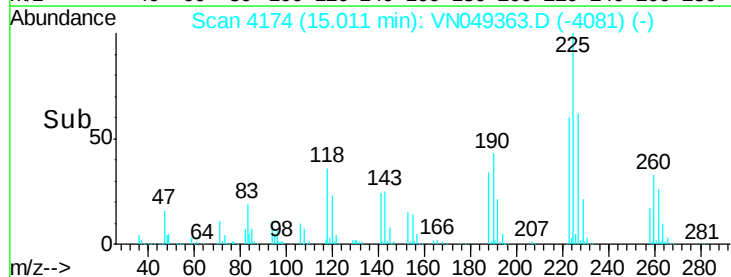
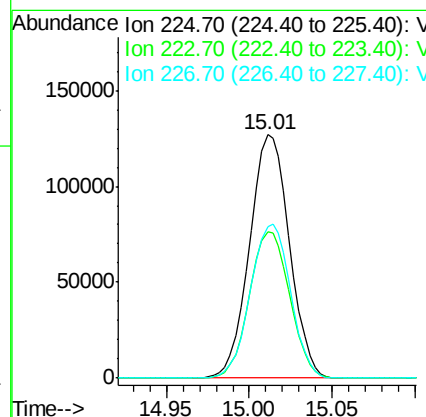
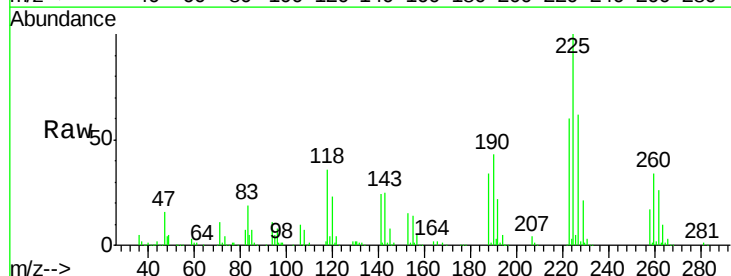
Manual Integrations
 APPROVED

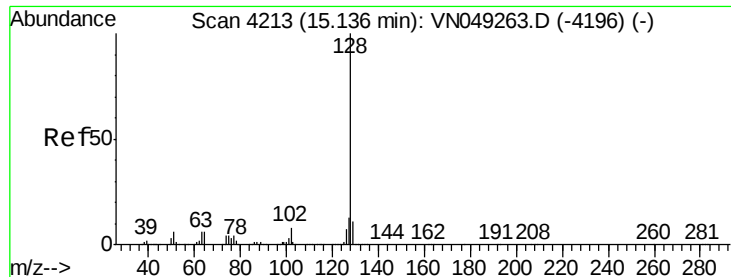
MMDadoda
 6/19/2018 1:55:45 PM



#94
 Hexachlorobutadiene
 Concen: 19.573 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049363.D
 Acq: 19 Jun 2018 00:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	212711		
223	60.9	32.1	96.3	
227	63.7	31.8	95.3	





#95

Naphthalene

Concen: 20.493 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Instrument :

MSVOA_N

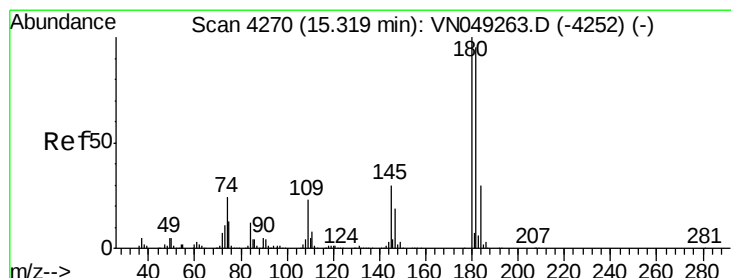
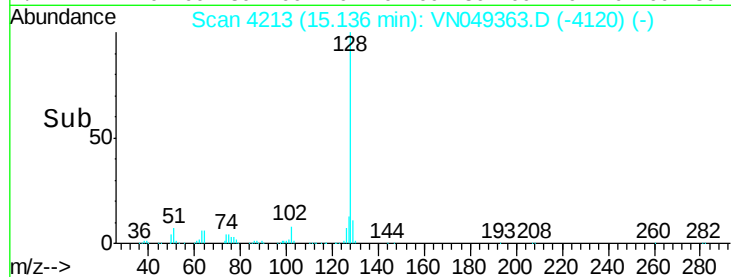
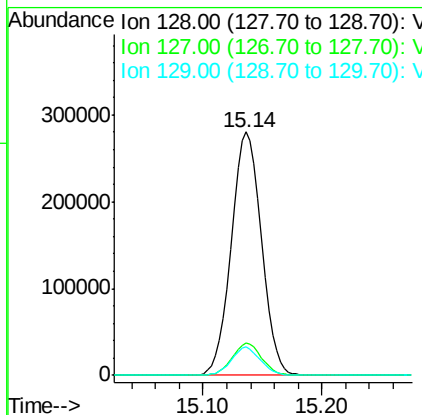
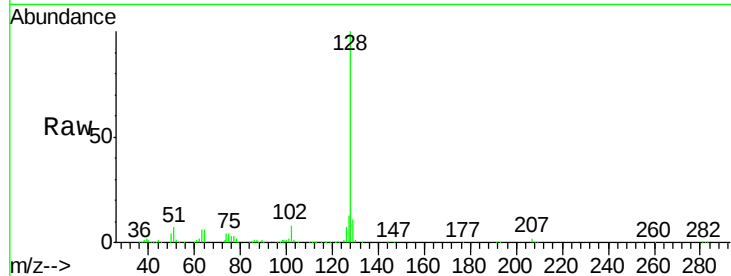
ClientSampleId :

VN0618WBSD02

Tot Ion:	128	Resp:	492871
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	16.0
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/19/2018 1:55:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.446 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049363.D

Acq: 19 Jun 2018 00:40

Tgt Ion:	180	Resp:	263633
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.3	141.8
145	31.3	15.6	46.7

