

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049309.D
 Acq On : 16 Jun 2018 14:35
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:22 PM

Quant Time: Jun 18 03:28:59 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	1435680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2163722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1971177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1011335	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	944184	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.59	113	856470	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
50) Toluene-d8	10.09	98	3296489	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.40	95	1114739	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	740789	44.83	ug/l	100
3) Chloromethane	2.06	50	947119	44.39	ug/l	98
4) Vinyl Chloride	2.18	62	1036371	45.70	ug/l	99
5) Bromomethane	2.56	94	508475	42.65	ug/l	96
6) Chloroethane	2.70	64	651300	48.17	ug/l	99
7) Trichlorofluoromethane	3.01	101	1336641	47.25	ug/l	100
8) Diethyl Ether	3.41	74	453933	45.96	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	834588	46.51	ug/l	94
10) Methyl Iodide	3.95	142	1036778	55.50	ug/l	92
11) Tert butyl alcohol	4.79	59	229134	205.02	ug/l	98
12) 1,1-Dichloroethene	3.73	96	765649	46.51	ug/l	90
13) Acrolein	3.61	56	237657	202.77	ug/l	98
14) Allyl chloride	4.32	41	1162737	44.73	ug/l	90
15) Acrylonitrile	4.99	53	1267270	226.76	ug/l	98
16) Acetone	3.82	43	886062	191.65	ug/l	93
17) Carbon Disulfide	4.05	76	2269038	43.98	ug/l	100
18) Methyl Acetate	4.33	43	628252	44.57	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2013646	47.98	ug/l	99
20) Methylene Chloride	4.55	84	882436	45.70	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	824934	47.33	ug/l	92
22) Diisopropyl ether	5.95	45	2606514	50.22	ug/l	96
23) Vinyl Acetate	5.90	43	8186026	241.92	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1565349	47.12	ug/l	99
25) 2-Butanone	6.84	43	1310089	211.03	ug/l	97
26) 2,2-Dichloropropane	6.82	77	808303	30.13	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	924775	47.73	ug/l	89
28) Bromochloromethane	7.19	49	712805	48.40	ug/l #	83
29) Tetrahydrofuran	7.21	42	910472	227.83	ug/l	95
30) Chloroform	7.37	83	1582620	47.87	ug/l	99
31) Cyclohexane	7.65	56	1397694	49.63	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1358574	48.16	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1211670	48.86	ug/l	98
37) Ethyl Acetate	6.93	43	636730	47.23	ug/l	97
38) Carbon Tetrachloride	7.77	117	1222309	47.61	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1278311	48.02	ug/l	95
40) Benzene	8.04	78	3619724	47.61	ug/l	99
41) Methacrylonitrile	7.17	41	343478	47.13	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1100886	46.87	ug/l	96
43) Isopropyl Acetate	8.17	43	1201763	46.66	ug/l	97
44) Trichloroethene	8.83	130	963920	48.01	ug/l	96
45) 1,2-Dichloropropane	9.12	63	944727	47.46	ug/l	100
46) Dibromomethane	9.21	93	536557	46.49	ug/l	91
47) Bromodichloromethane	9.40	83	1211001	47.74	ug/l	97
48) Methyl methacrylate	9.20	41	560997	46.25	ug/l	86
49) 1,4-Dioxane	9.20	88	152746	912.39	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	3117269	230.91	ug/l	95
52) Toluene	10.16	92	2236957	50.13	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1095199	45.13	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1305448	45.56	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	770270	46.31	ug/l	96
56) Ethyl methacrylate	10.43	69	939685	48.97	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1313145	47.65	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1475294	217.04	ug/l	95
59) 2-Hexanone	10.75	43	1972453	226.63	ug/l	94
60) Dibromochloromethane	10.90	129	888403	47.85	ug/l	99
61) 1,2-Dibromoethane	11.01	107	740387	47.88	ug/l	99
64) Tetrachloroethene	10.63	164	1021234	50.56	ug/l	99
65) Chlorobenzene	11.44	112	2434450	47.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	907622	47.50	ug/l	99
67) Ethyl Benzene	11.51	91	4262463	50.61	ug/l	98
68) m/p-Xylenes	11.62	106	3253600	102.93	ug/l	98
69) o-Xylene	11.95	106	1566084	51.44	ug/l	96
70) Styrene	11.97	104	2570110	53.51	ug/l	97
71) Bromoform	12.13	173	583910	47.21	ug/l #	100
73) Isopropylbenzene	12.25	105	4221278	47.54	ug/l	98
74) N-amyl acetate	12.07	43	985995	45.33	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	863946	47.17	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	754363m	43.72	ug/l	
77) Bromobenzene	12.53	156	1035410	44.14	ug/l	90
78) n-propylbenzene	12.59	91	4803390	49.27	ug/l	99
79) 2-Chlorotoluene	12.68	91	2855344	46.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3451165	49.45	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	204362	37.43	ug/l	93
82) 4-Chlorotoluene	12.78	91	2846173	47.76	ug/l	97
83) tert-Butylbenzene	12.99	119	2922979	47.27	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3498931	50.46	ug/l	98
85) sec-Butylbenzene	13.17	105	3918273	47.61	ug/l	99
86) p-Isopropyltoluene	13.29	119	3353855	48.78	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1816095	47.07	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1763761	46.12	ug/l	99
89) n-Butylbenzene	13.62	91	2638798	49.13	ug/l	98
90) Hexachloroethane	13.88	117	654601	50.32	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	1756023	46.40	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	127362	41.20	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	718472	42.24	ug/l	99
94) Hexachlorobutadiene	15.01	225	540659	48.78	ug/l	99
95) Naphthalene	15.14	128	1321832	43.94	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	723314	43.17	ug/l	98

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

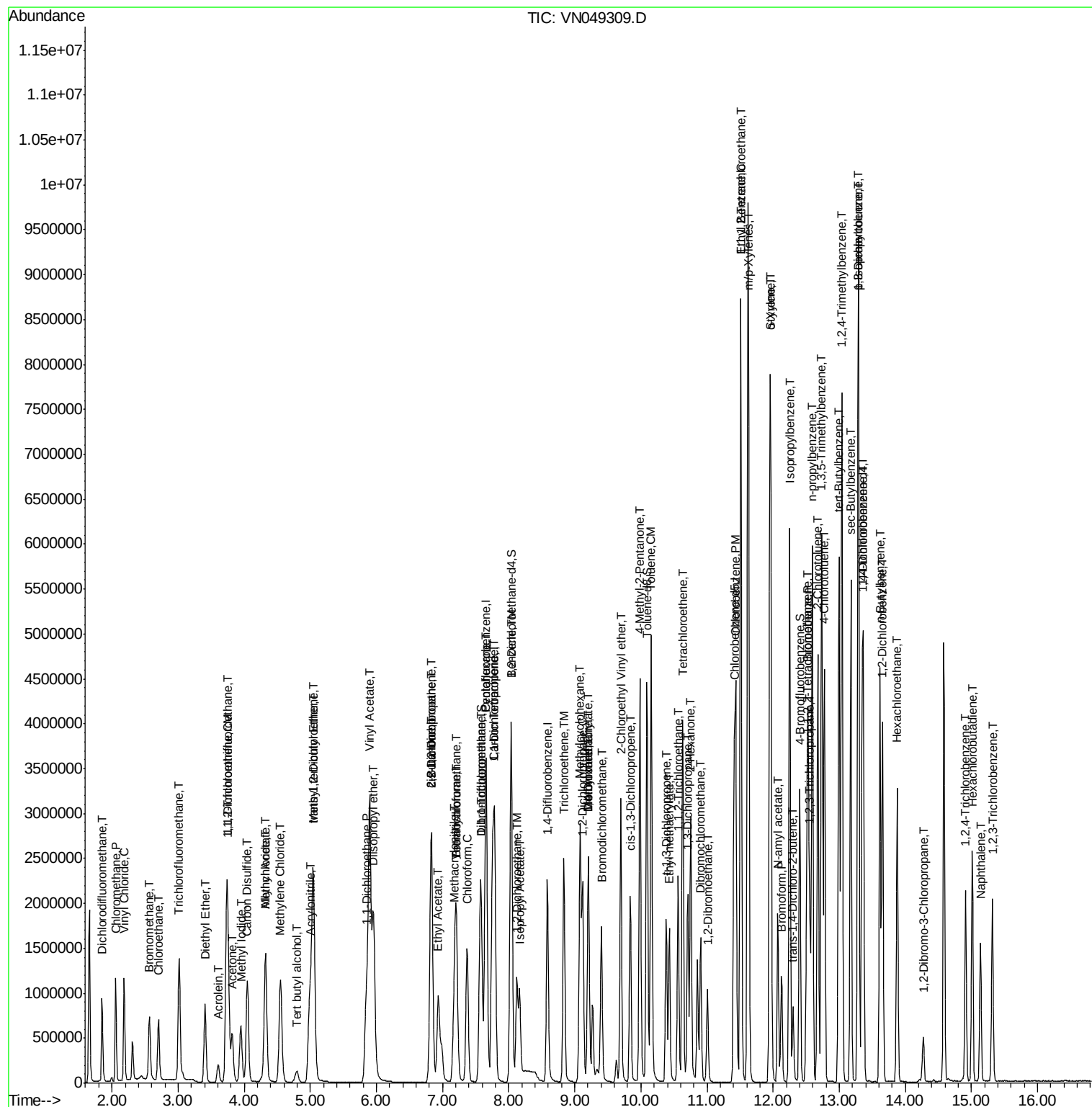
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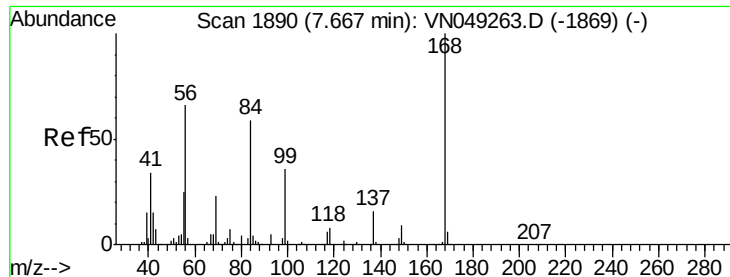
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1435680

Ion Ratio Lower Upper

168 100

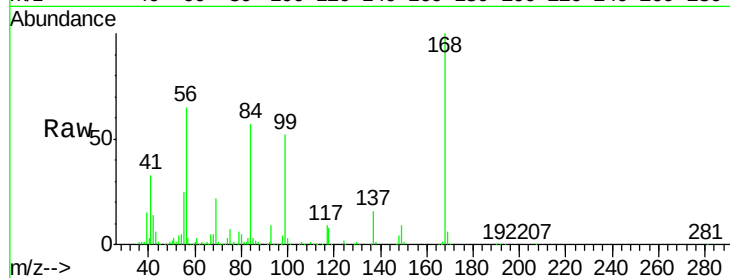
99 52.0 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

400000

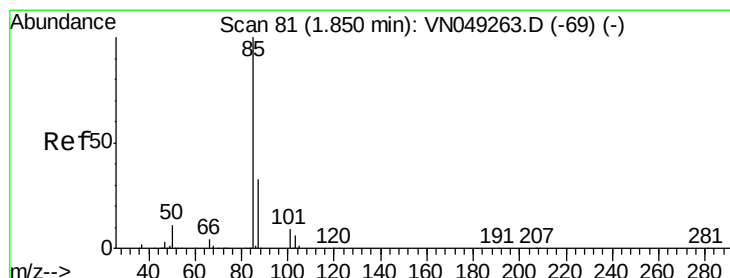
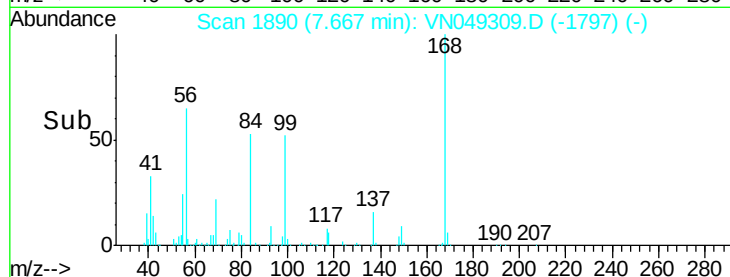
200000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.83 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049309.D

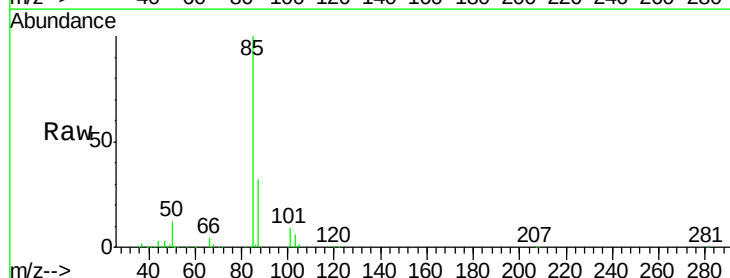
Acq: 16 Jun 2018 14:35

Tgt Ion: 85 Resp: 740789

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

600000

500000

400000

300000

200000

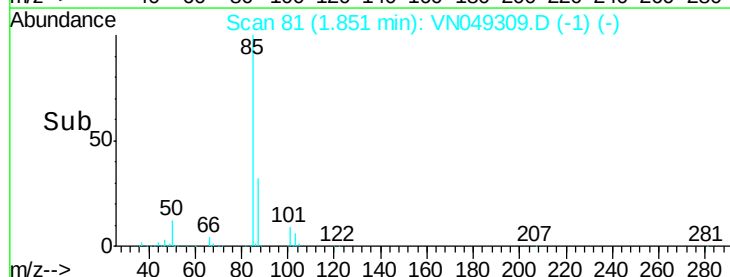
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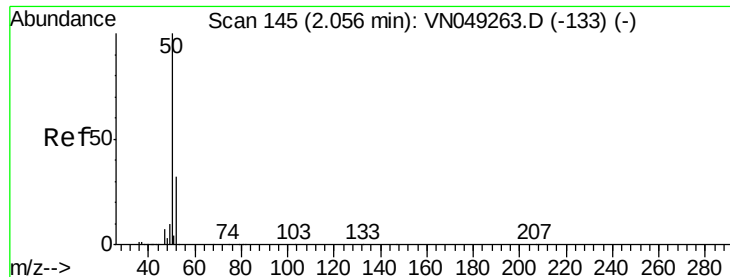
0

1.85

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 44.39 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 947119

Ion Ratio Lower Upper

50 100

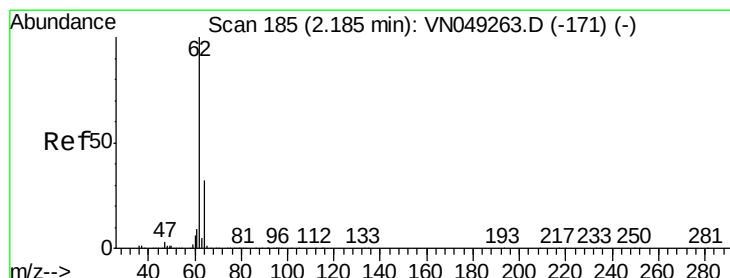
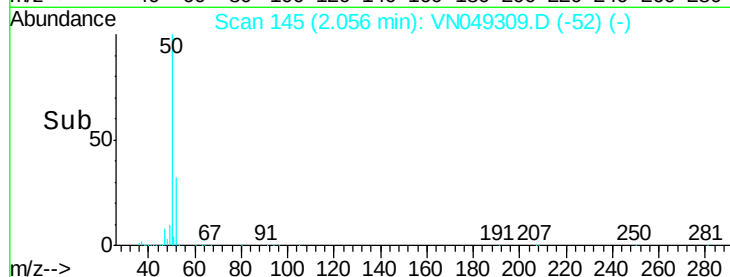
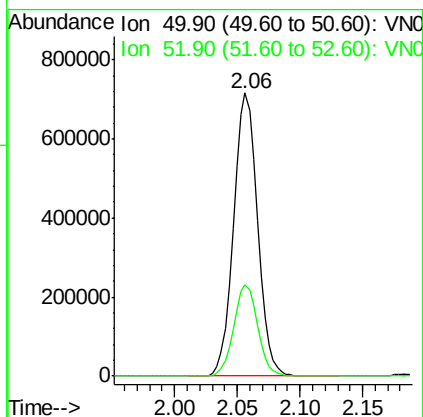
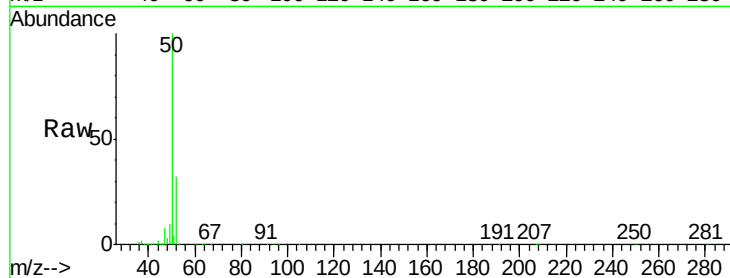
52 32.3 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.70 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049309.D

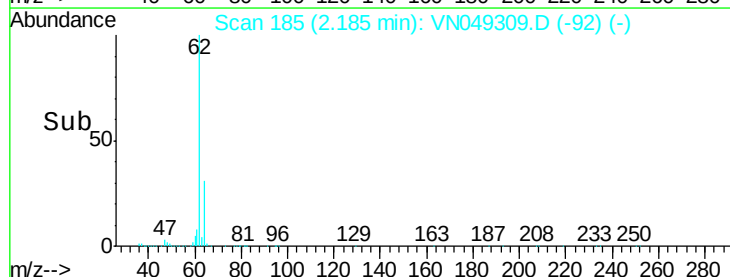
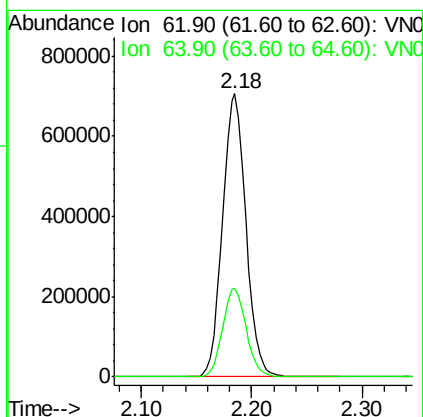
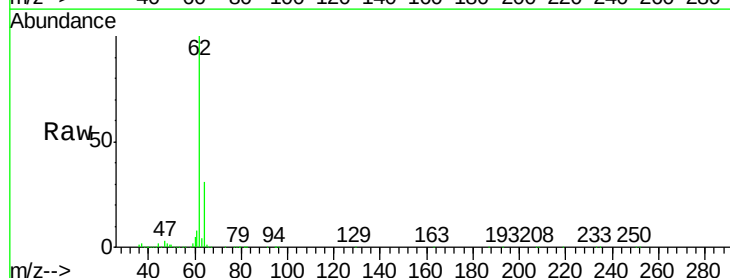
Acq: 16 Jun 2018 14:35

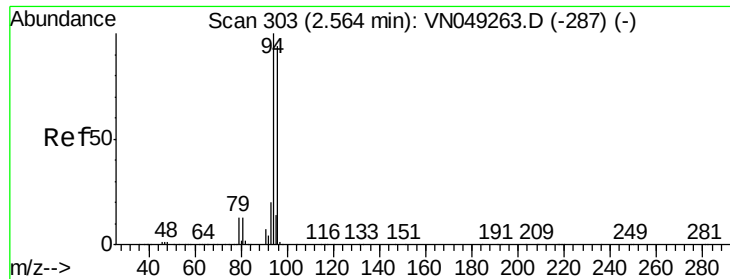
Tgt Ion: 62 Resp: 1036371

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 42.65 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 508475

Ion Ratio Lower Upper

94 100

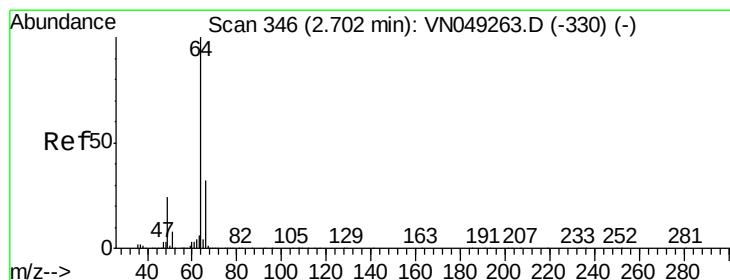
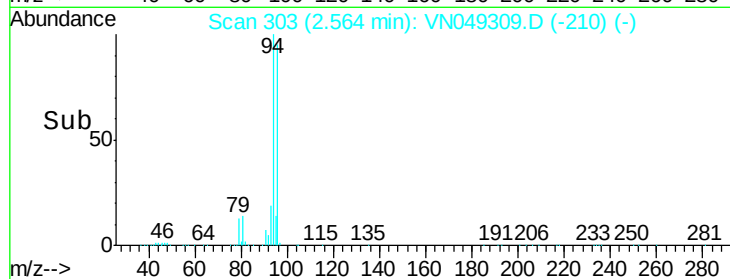
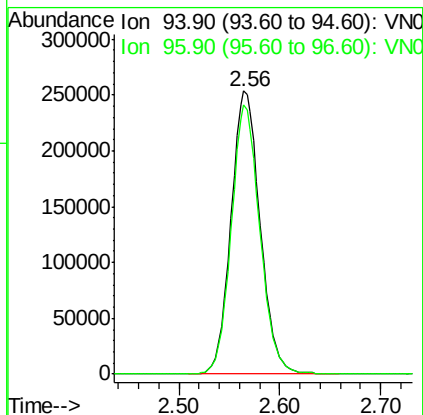
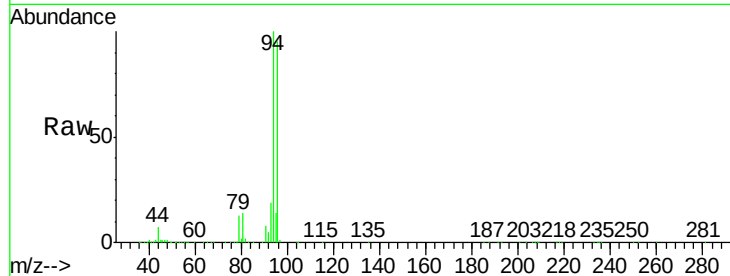
96 94.9 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 48.17 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049309.D

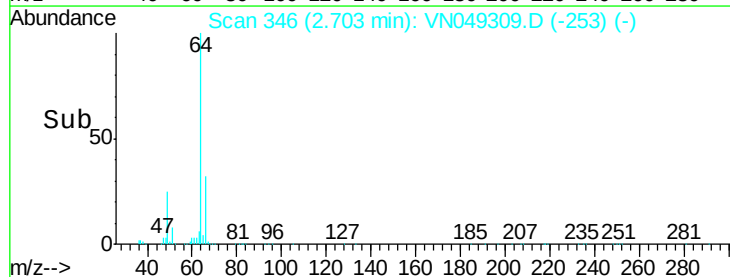
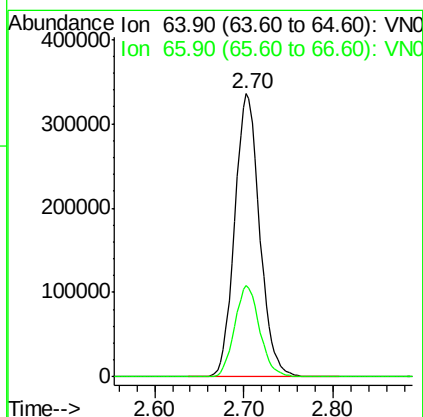
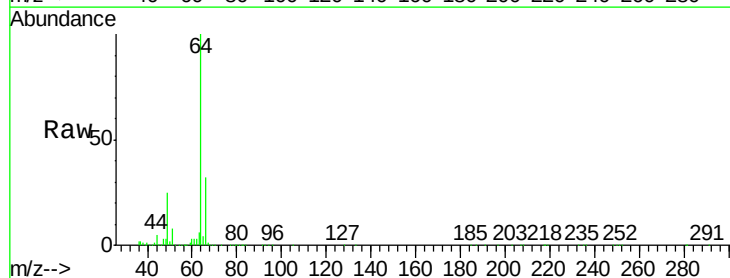
Acq: 16 Jun 2018 14:35

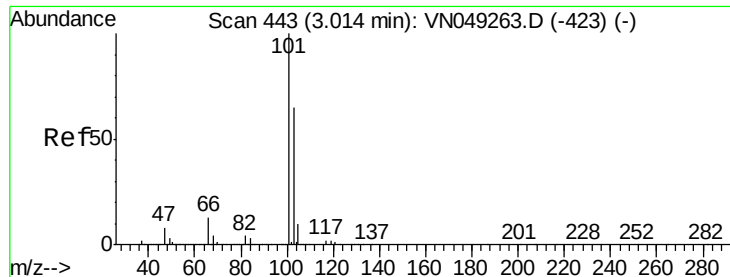
Tgt Ion: 64 Resp: 651300

Ion Ratio Lower Upper

64 100

66 32.4 25.6 38.4





#7

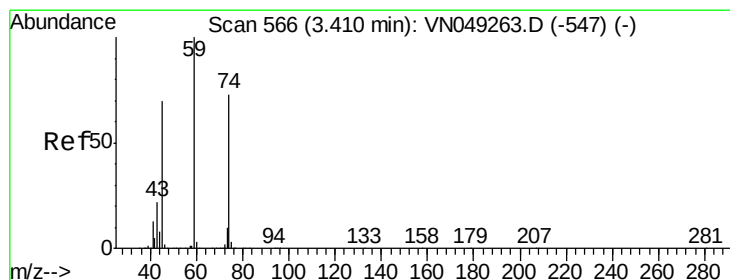
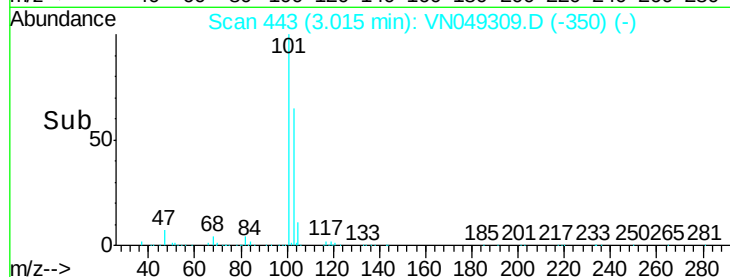
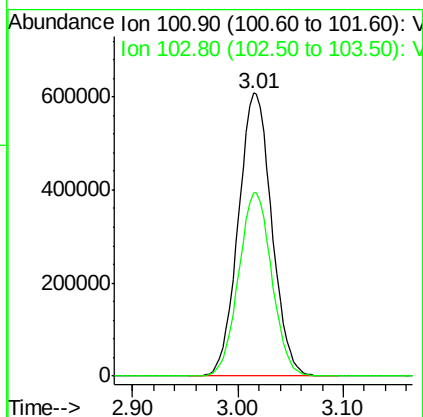
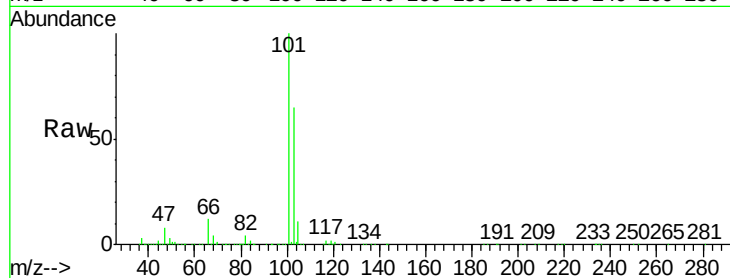
Trichlorofluoromethane
Concen: 47.25 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 1336641
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

Manual Integrations
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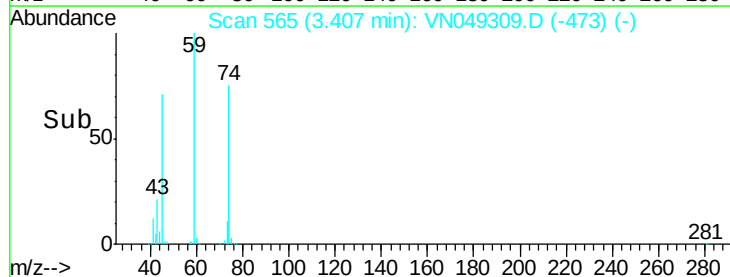
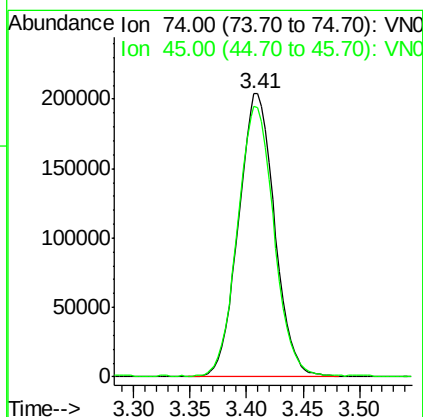
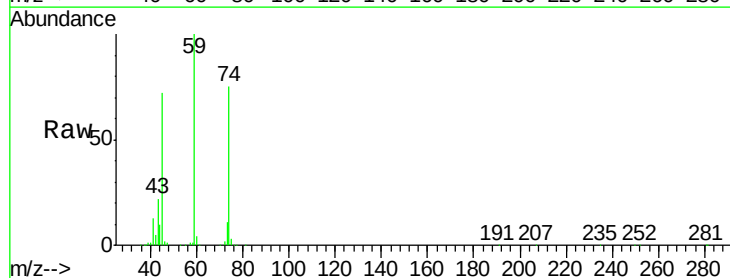
MMDadoda
6/18/2018 3:16:22 PM

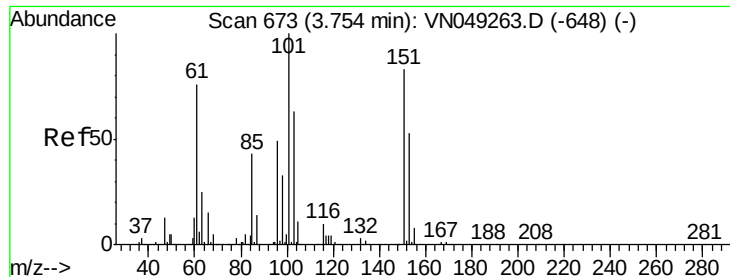


#8

Diethyl Ether
Concen: 45.96 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion: 74 Resp: 453933
Ion Ratio Lower Upper
74 100
45 95.6 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.51 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

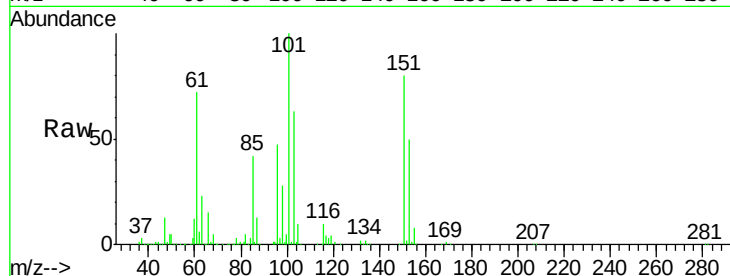
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	834588
Ion Ratio	Lower	Upper	
101	100		
85	42.6	37.6	56.4
151	80.9	61.1	91.7

Manual Integrations
APPROVED

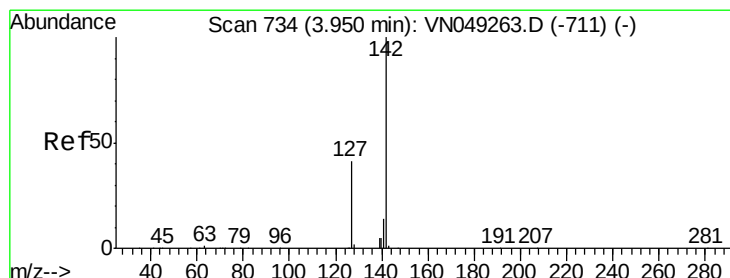
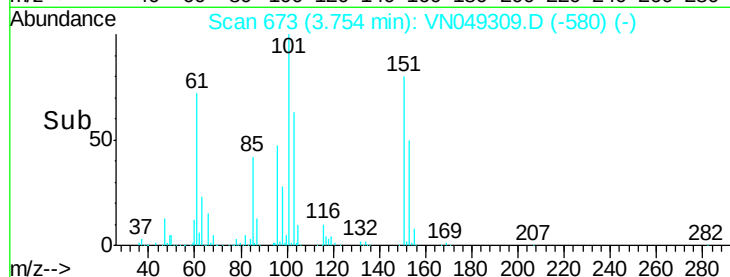
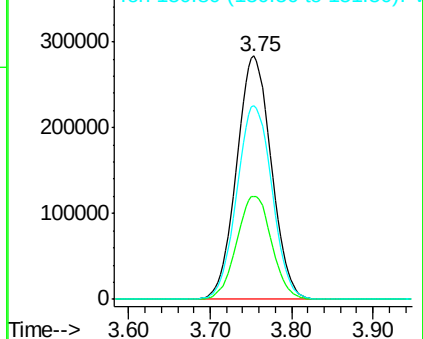
MMDadoda
6/18/2018 3:16:22 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN049309.D (-641) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.50 ug/l

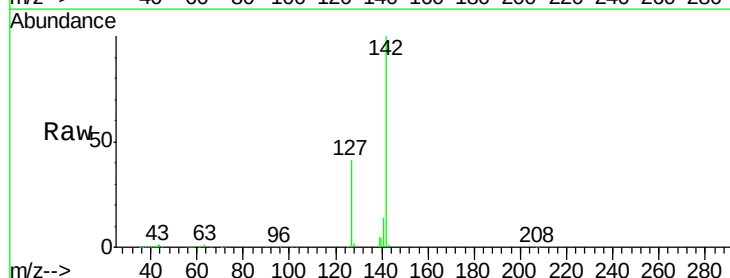
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

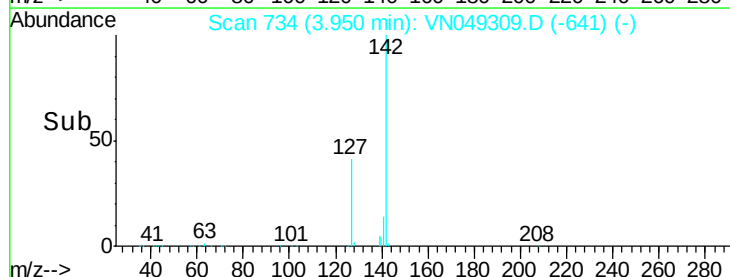
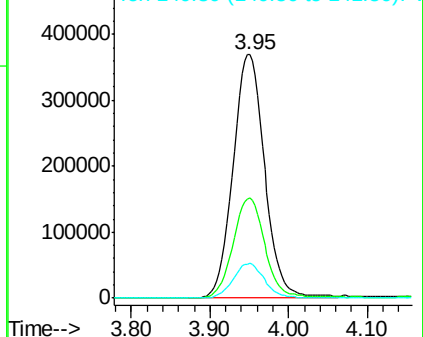
Tgt Ion:	142	Resp:	1036778
Ion Ratio	Lower	Upper	
142	100		
127	41.2	38.2	57.4
141	14.1	11.9	17.9

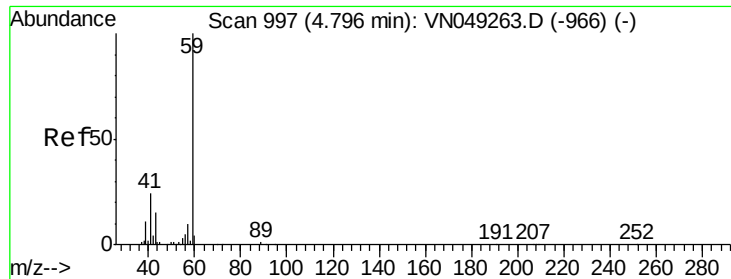


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





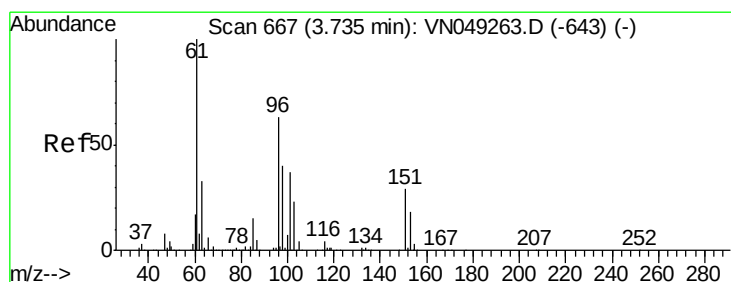
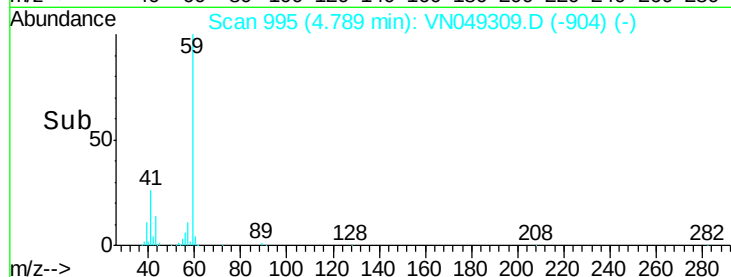
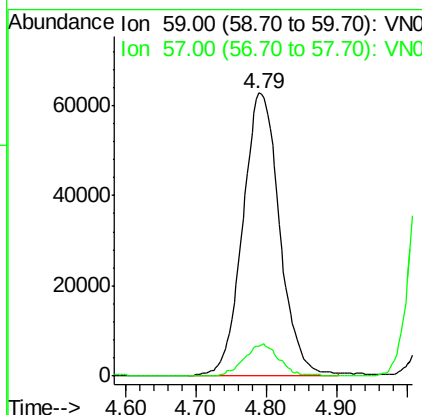
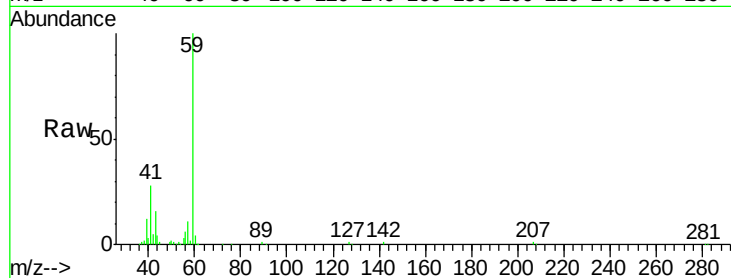
#11
Tert butyl alcohol
Concen: 205.02 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

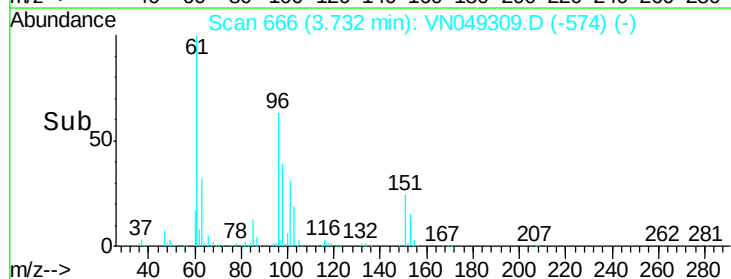
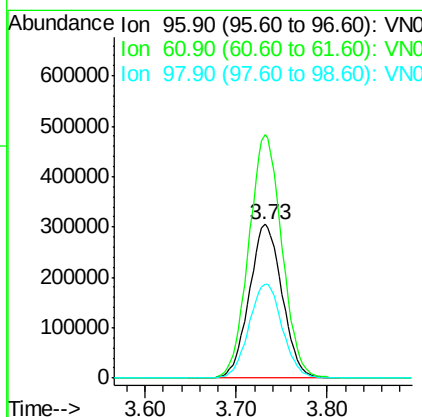
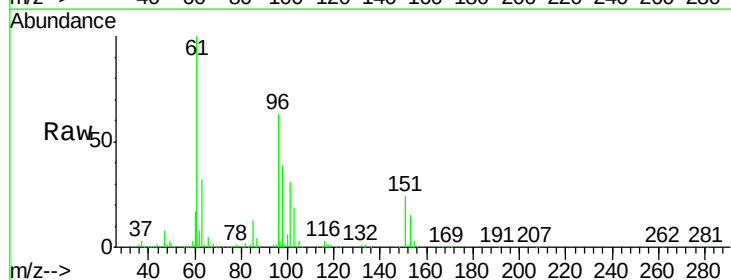
Manual Integrations
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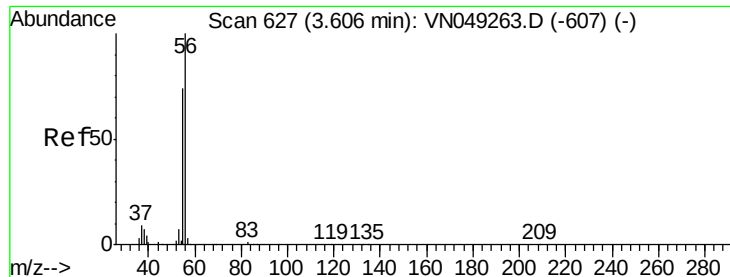
MMDadoda
6/18/2018 3:16:22 PM



#12
1,1-Dichloroethene
Concen: 46.51 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	141.0	211.4
98	61.3	50.4	75.6





#13

Acrolein

Concen: 202.77 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 237657

Ion Ratio Lower Upper

56 100

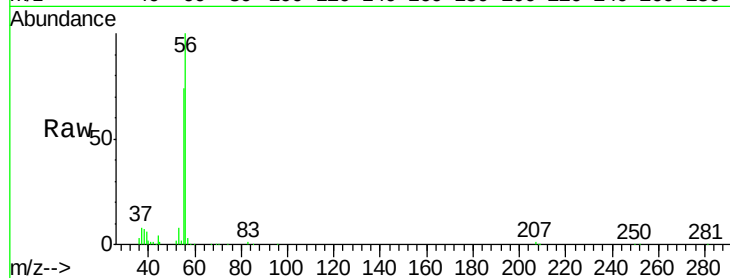
55 70.1 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

100000

80000

60000

40000

20000

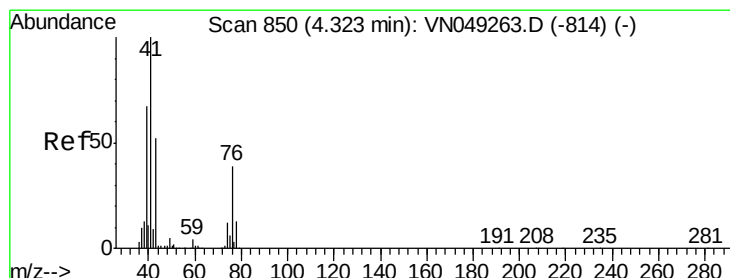
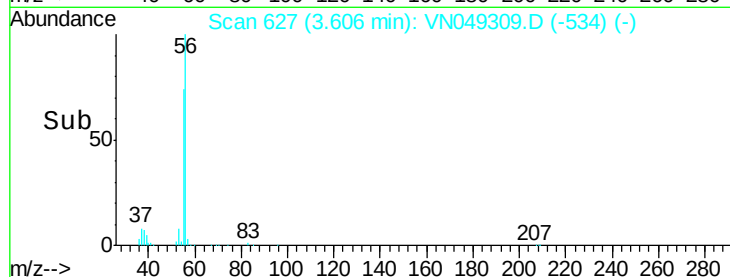
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 44.73 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

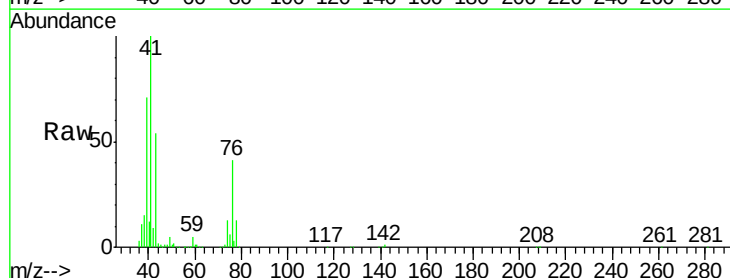
Tgt Ion: 41 Resp: 1162737

Ion Ratio Lower Upper

41 100

39 67.6 62.5 93.7

76 37.2 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

500000

400000

300000

200000

100000

0

4.10

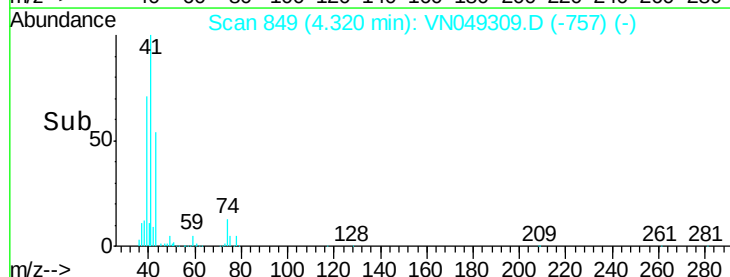
4.20

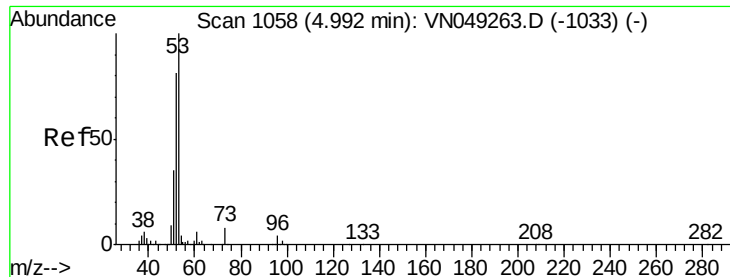
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 226.76 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 1267270

Ion Ratio Lower Upper

53 100

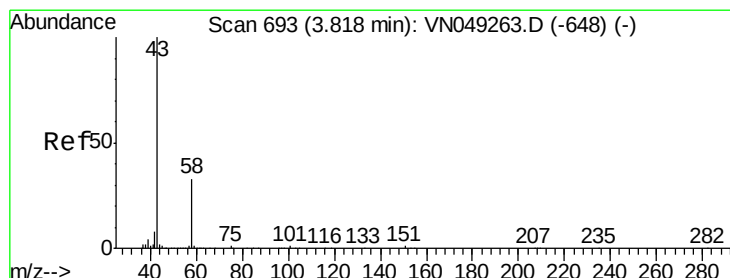
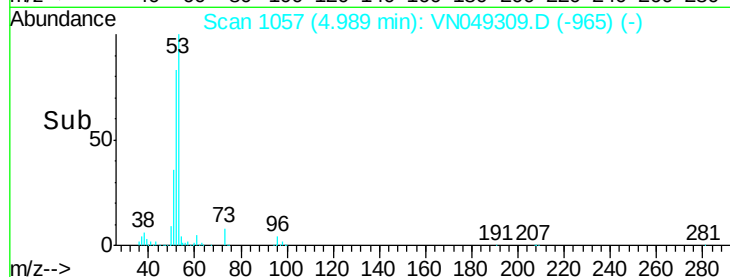
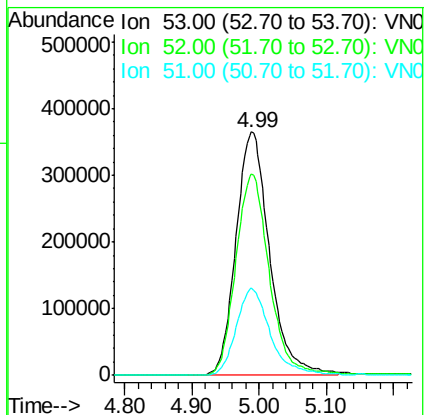
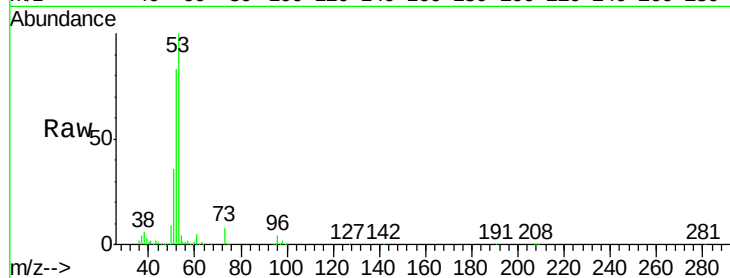
52 81.7 66.6 100.0

51 36.4 29.8 44.8

Manual Integrations
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#16

Acetone

Concen: 191.65 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049309.D

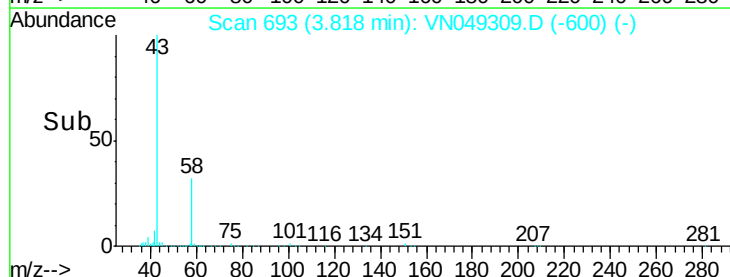
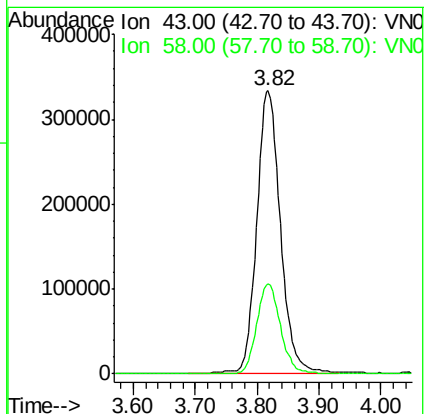
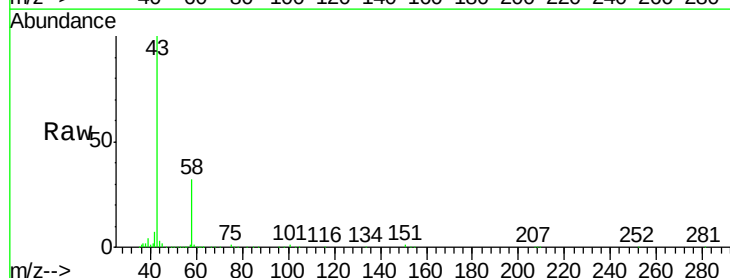
Acq: 16 Jun 2018 14:35

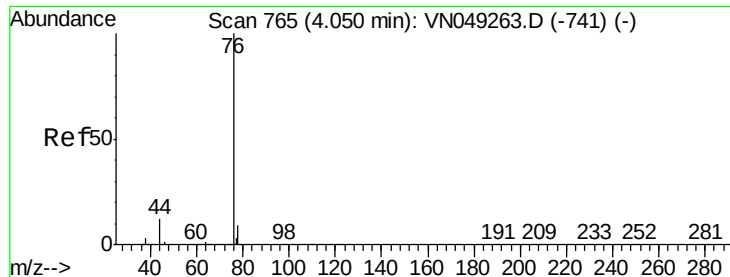
Tgt Ion: 43 Resp: 886062

Ion Ratio Lower Upper

43 100

58 31.8 22.4 33.6





#17

Carbon Disulfide

Concen: 43.98 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 2269038

Ion Ratio Lower Upper

76 100

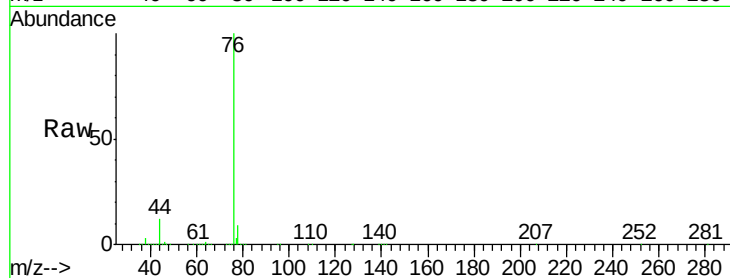
78 9.2 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

800000

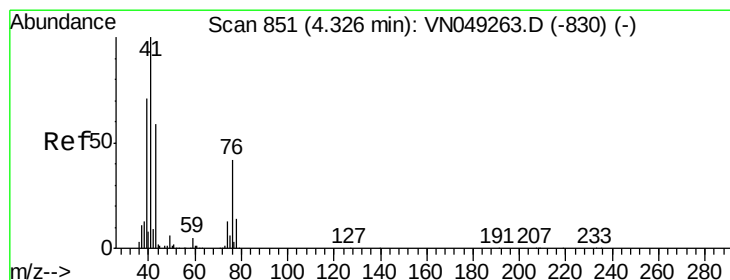
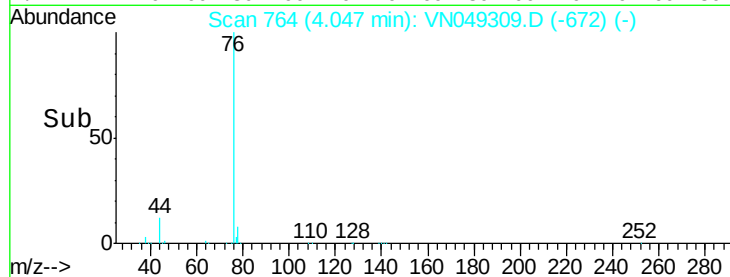
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 44.57 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049309.D

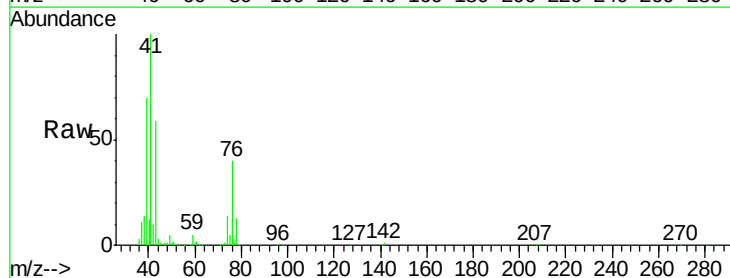
Acq: 16 Jun 2018 14:35

Tgt Ion: 43 Resp: 628252

Ion Ratio Lower Upper

43 100

74 24.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

250000

200000

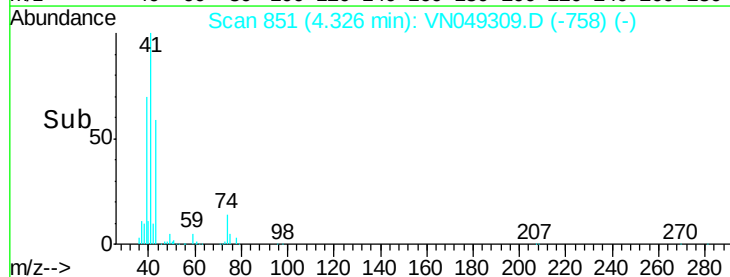
150000

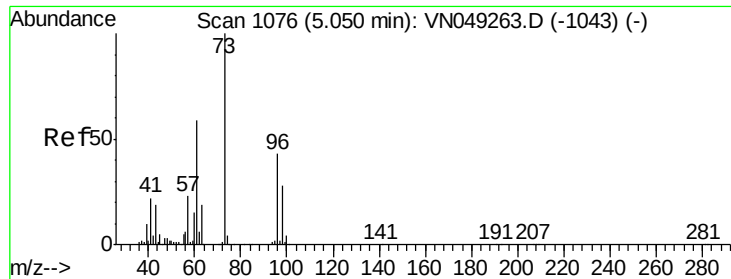
100000

50000

0

Time-->





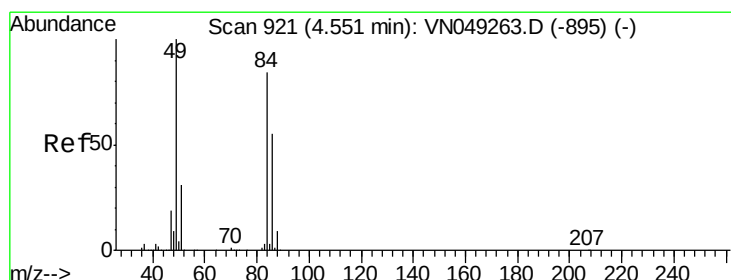
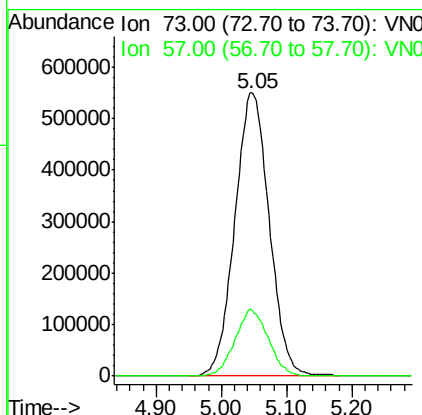
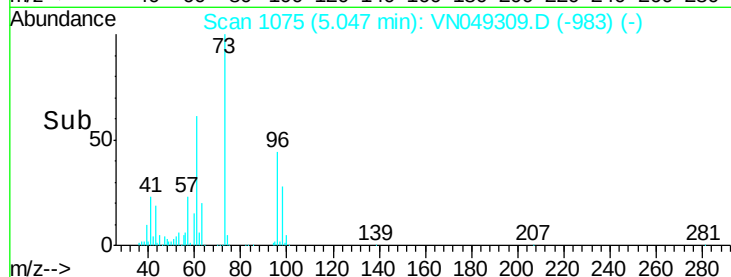
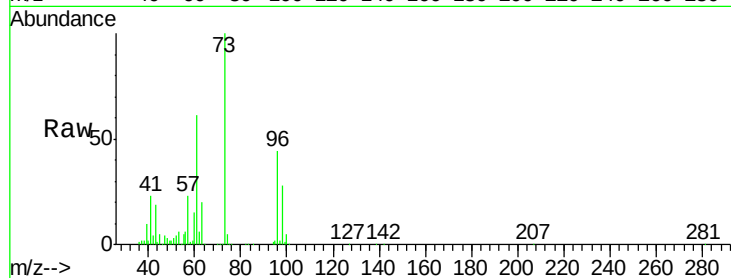
#19
Methyl tert-butyl Ether
Concen: 47.98 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2013646
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4

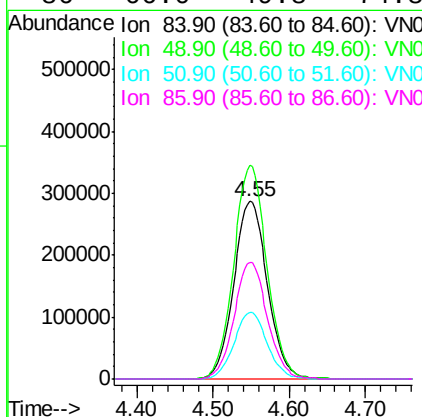
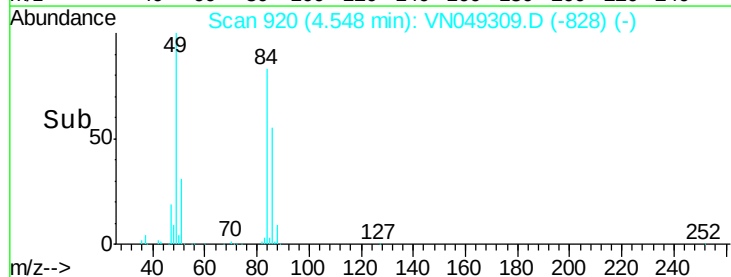
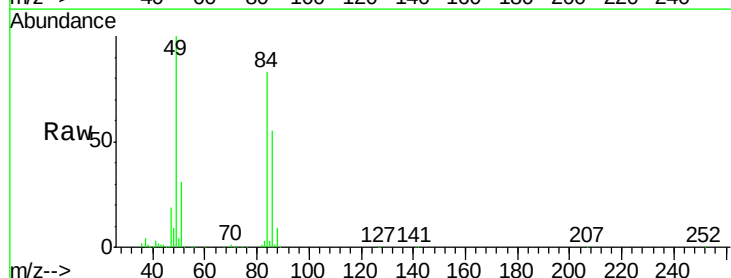
Manual Integrations
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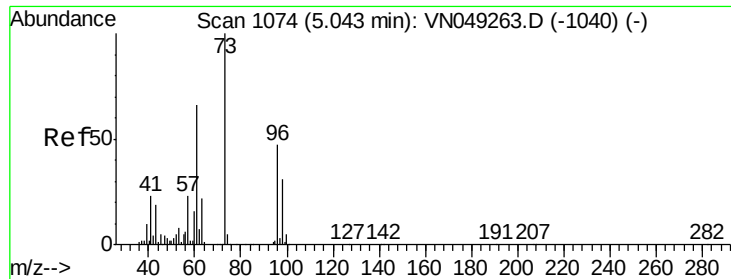
MMDadoda
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#20
Methylene Chloride
Concen: 45.70 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion: 84 Resp: 882436
Ion Ratio Lower Upper
84 100
49 120.3 106.9 160.3
51 37.6 32.7 49.1
86 66.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 47.33 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

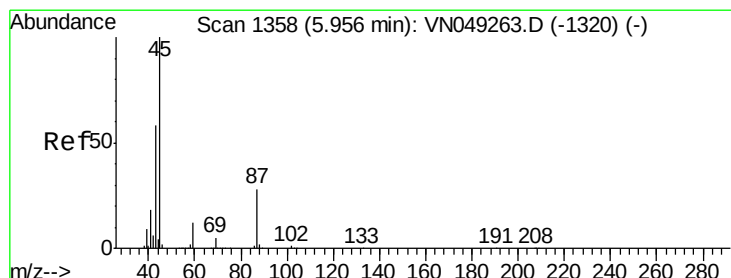
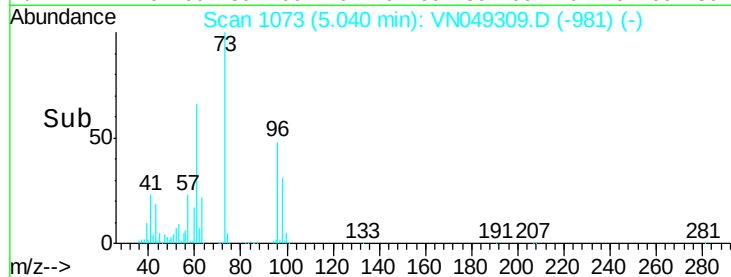
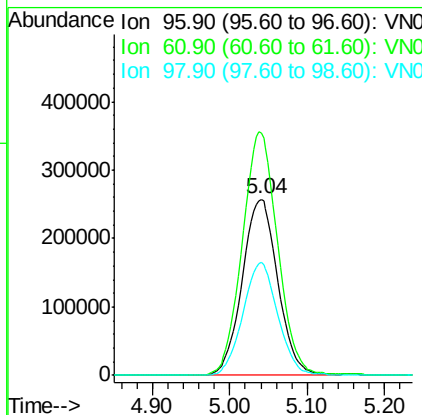
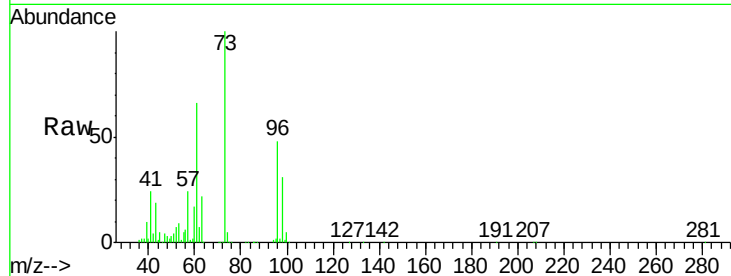
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	824934
Ion	Ratio	Lower	Upper
96	100		
61	137.3	121.3	181.9
98	63.9	52.0	78.0

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#22

Diisopropyl ether

Concen: 50.22 ug/l

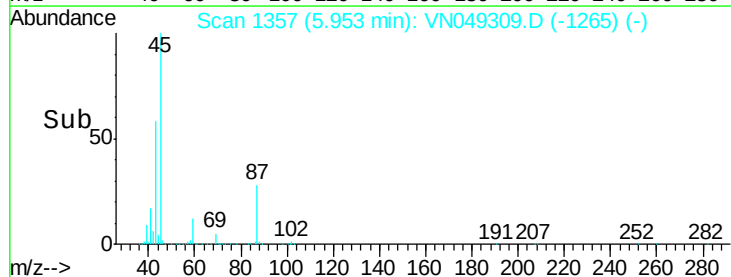
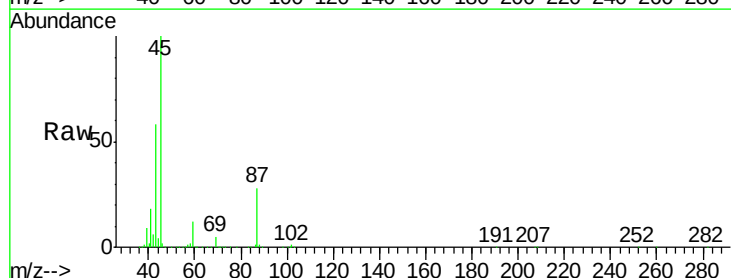
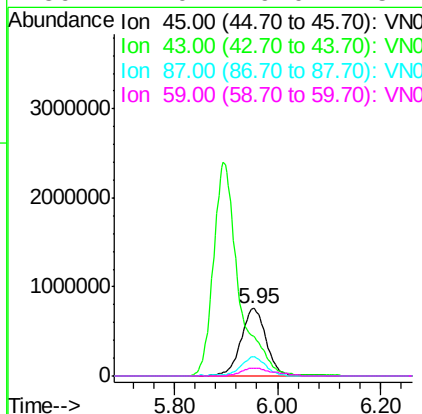
RT: 5.95 min Scan# 1357

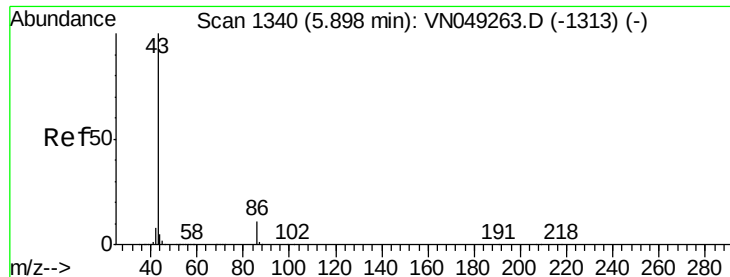
Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion:	45	Resp:	2606514
Ion	Ratio	Lower	Upper
45	100		
43	58.0	48.6	72.8
87	28.0	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 241.92 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 8186026

Ion Ratio Lower Upper

43 100

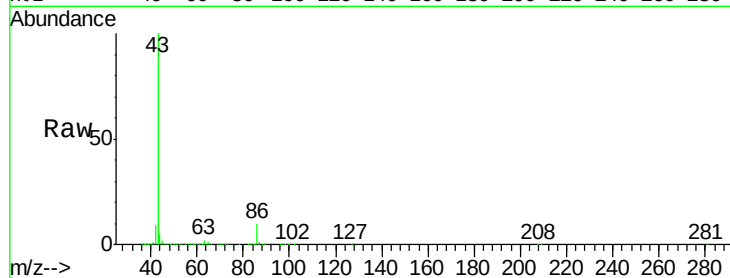
86 10.5 7.2 10.8

Manual Integrations

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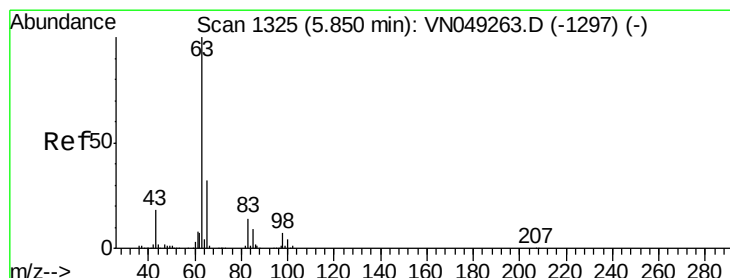
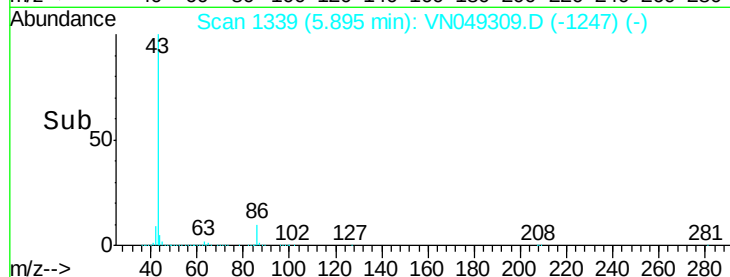
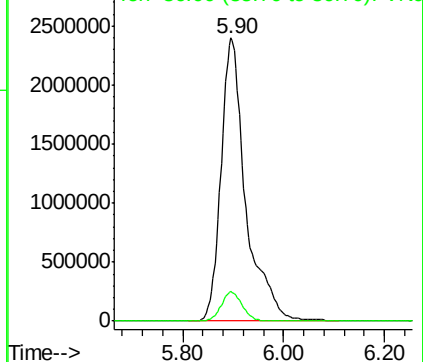
MMDadoda

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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: 47.12 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

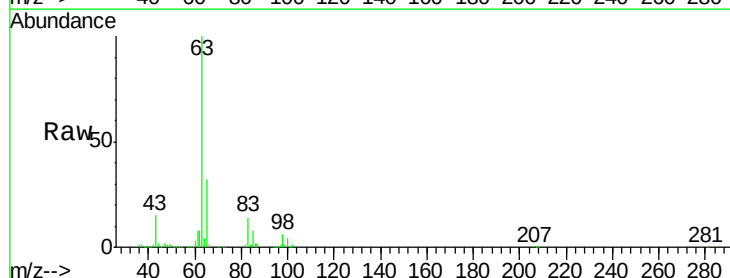
Tgt Ion: 63 Resp: 1565349

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

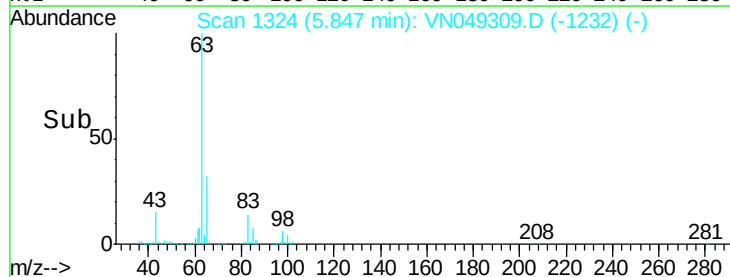
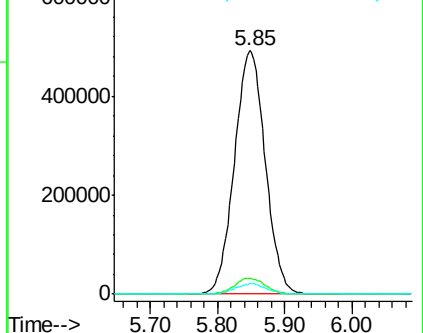
100 4.1 2.1 6.3

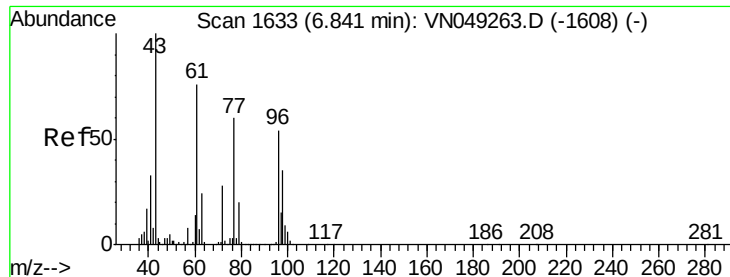


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 211.03 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1310089

Ion Ratio Lower Upper

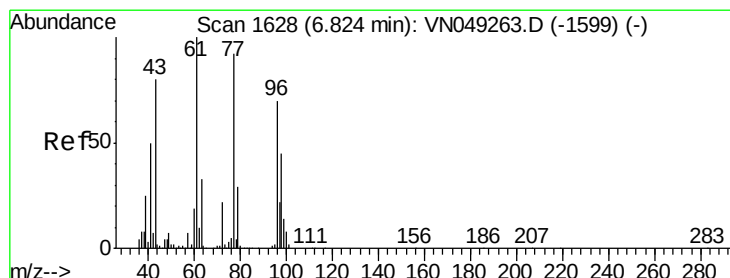
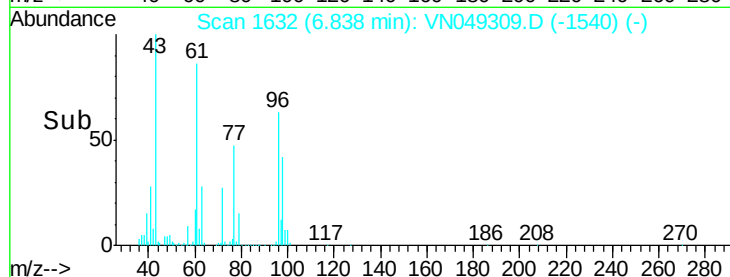
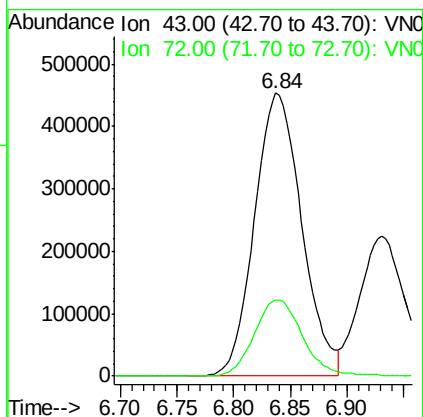
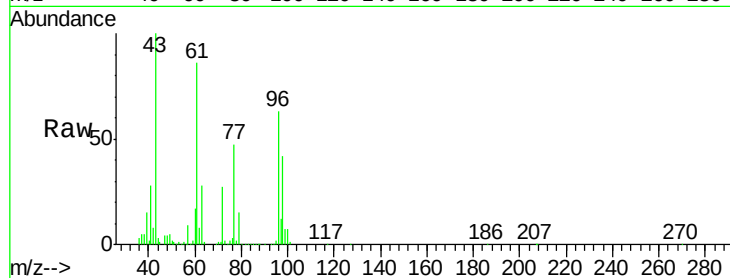
43 100

72 26.9 20.2 30.2

Manual Integrations
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MMDadoda

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#26

2,2-Dichloropropane

Concen: 30.13 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049309.D

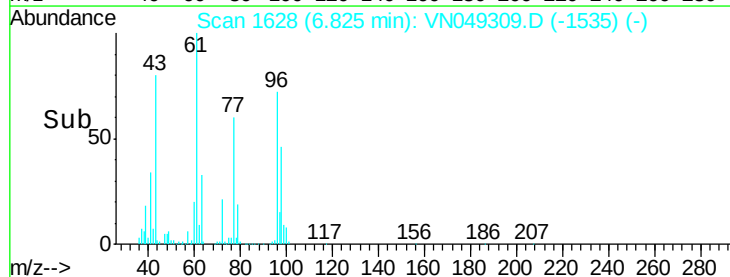
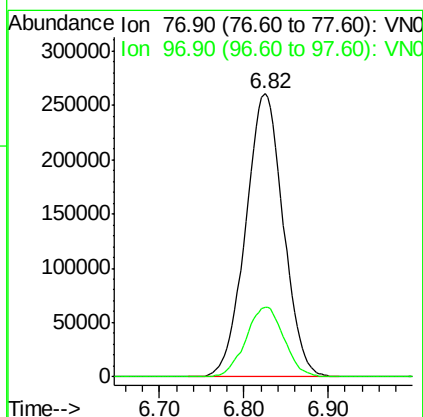
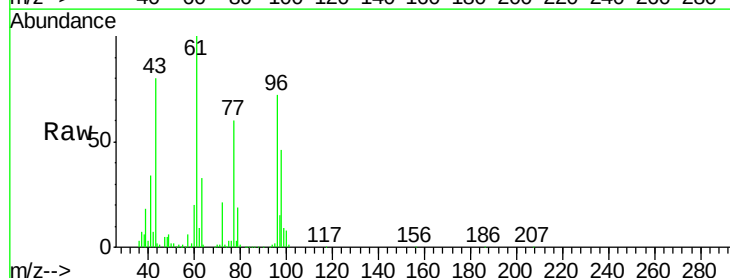
Acq: 16 Jun 2018 14:35

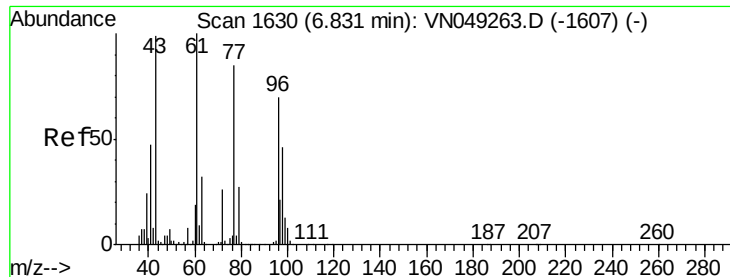
Tgt Ion: 77 Resp: 808303

Ion Ratio Lower Upper

77 100

97 25.0 11.0 33.0





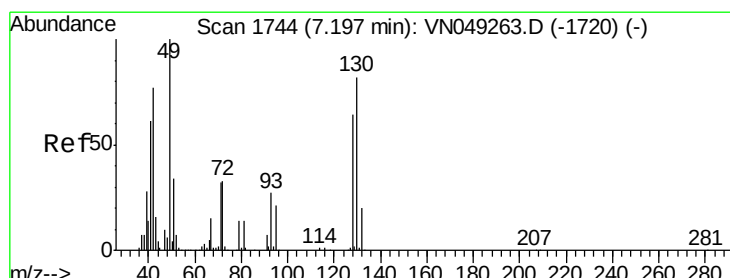
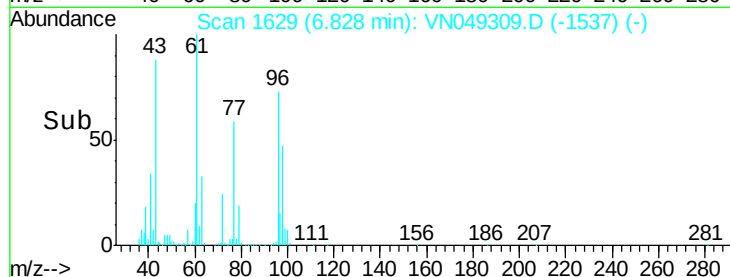
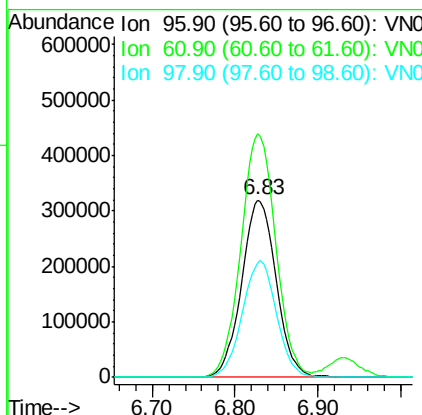
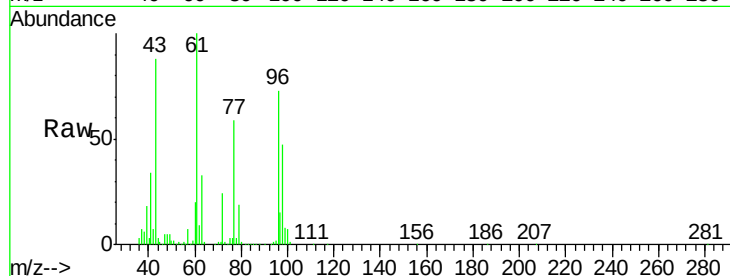
#27
 cis-1,2-Dichloroethene
 Concen: 47.73 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.8	0.0	316.4	
98	65.2	0.0	128.4	

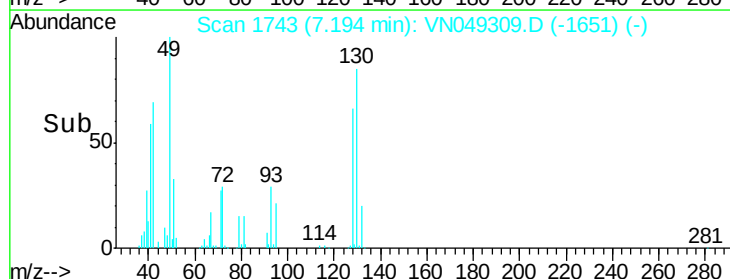
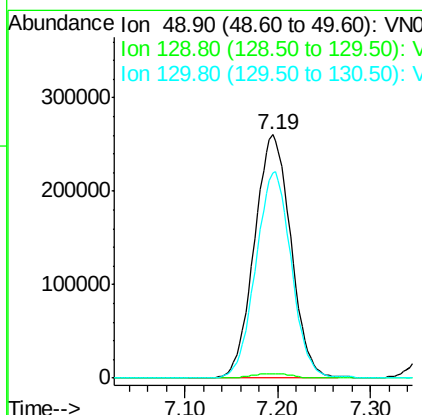
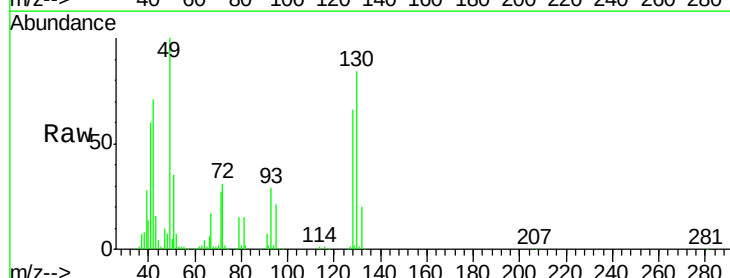
Manual Integrations
 APPROVED

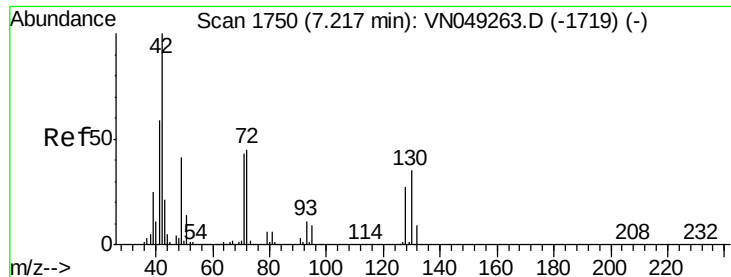
MMDadoda
 6/18/2018 3:16:22 PM



#28
 Bromochloromethane
 Concen: 48.40 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	82.9	54.9	82.3#	





#29

Tetrahydrofuran

Concen: 227.83 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

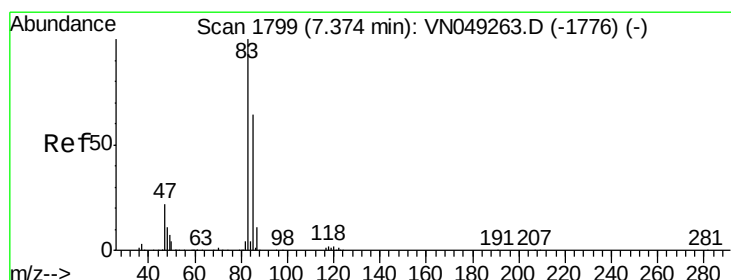
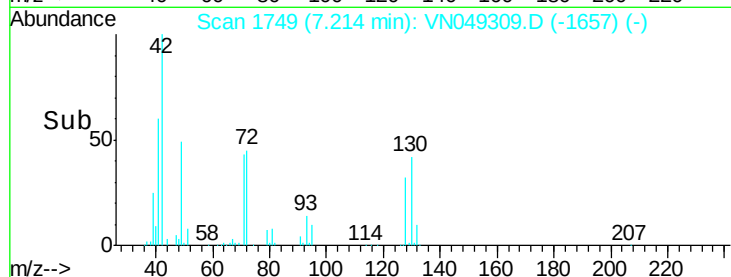
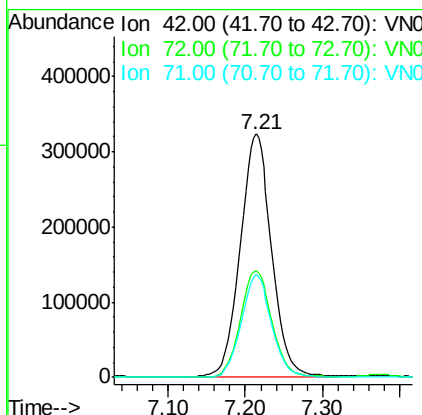
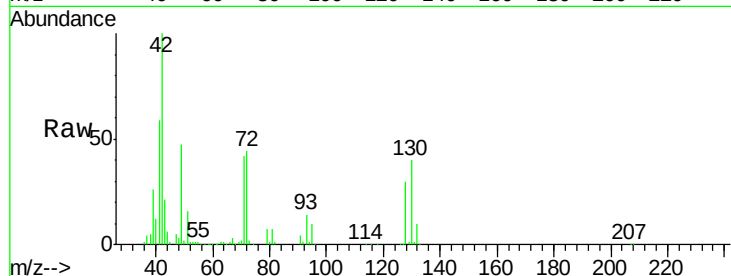
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	910472
Ion	Ratio	Lower	Upper
42	100		
72	43.8	32.2	48.4
71	40.8	30.5	45.7

Manual Integrations
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#30

Chloroform

Concen: 47.87 ug/l

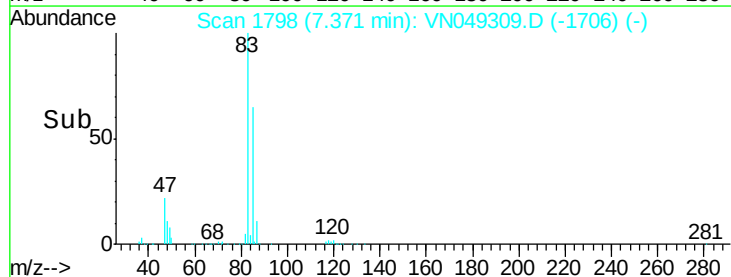
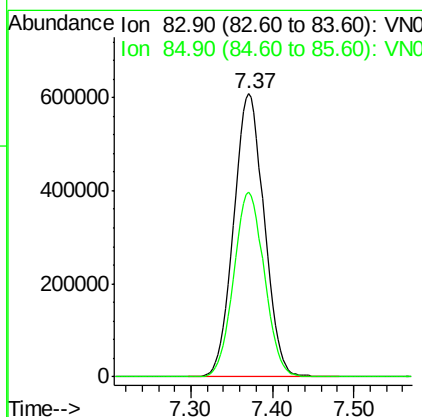
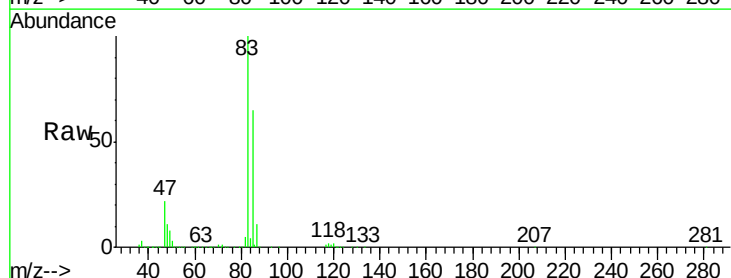
RT: 7.37 min Scan# 1798

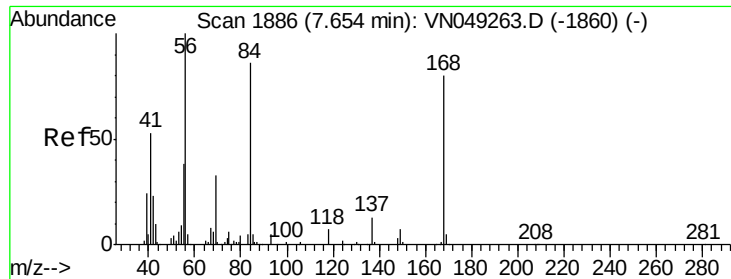
Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion:	83	Resp:	1582620
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.7	77.5





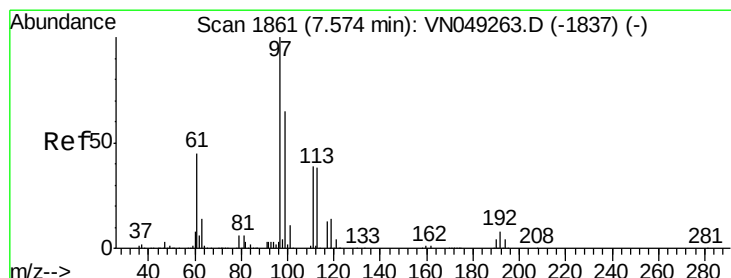
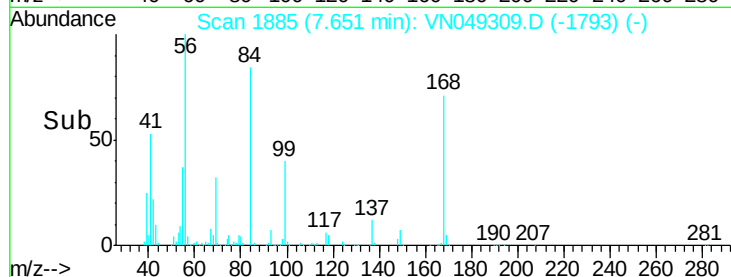
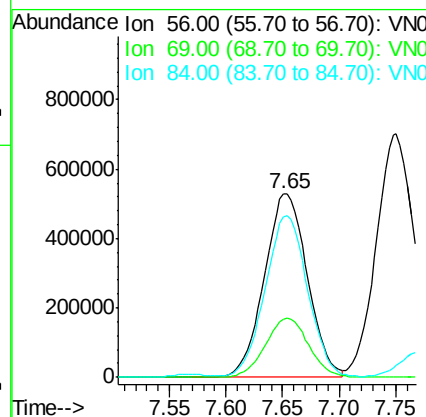
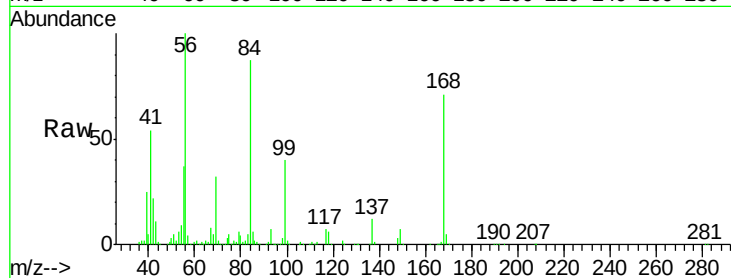
#31
Cyclohexane
Concen: 49.63 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1397694
Ion Ratio Lower Upper
56 100
69 31.8 25.0 37.4
84 85.4 64.6 96.8

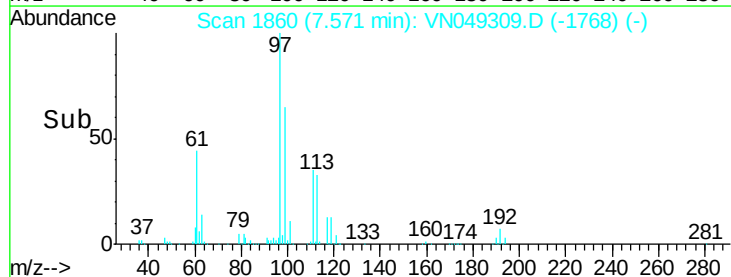
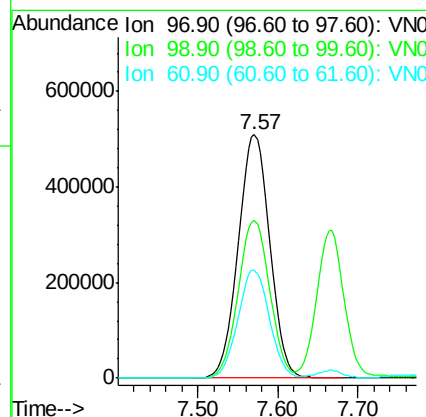
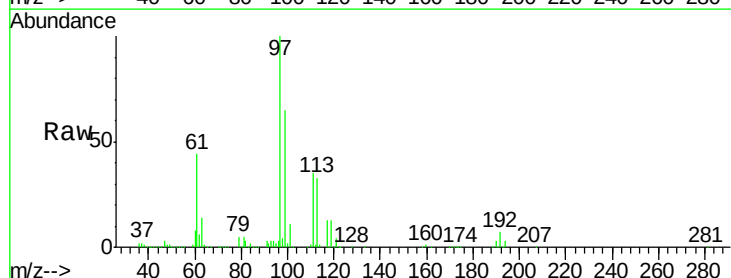
Manual Integrations
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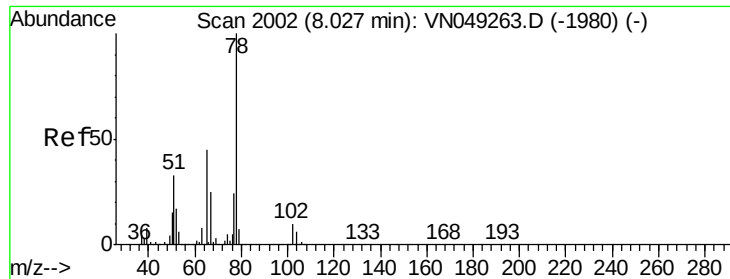
MMDadoda
6/18/2018 3:16:22 PM



#32
1,1,1-Trichloroethane
Concen: 48.16 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion: 97 Resp: 1358574
Ion Ratio Lower Upper
97 100
99 64.6 50.5 75.7
61 44.3 37.9 56.9





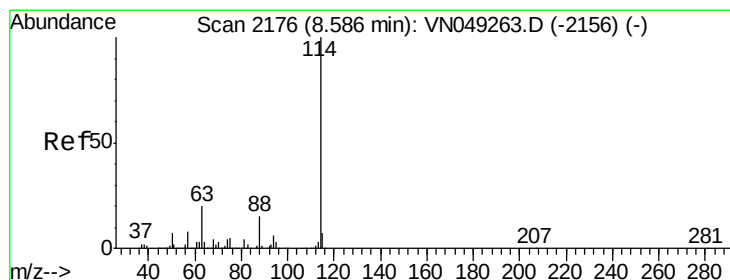
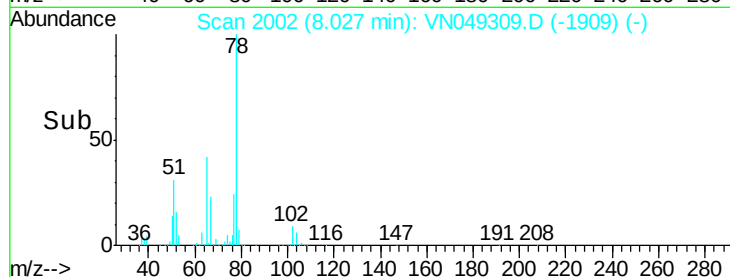
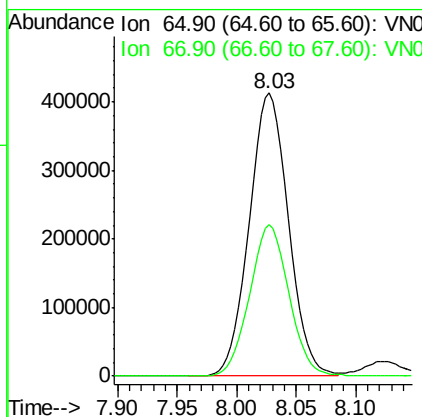
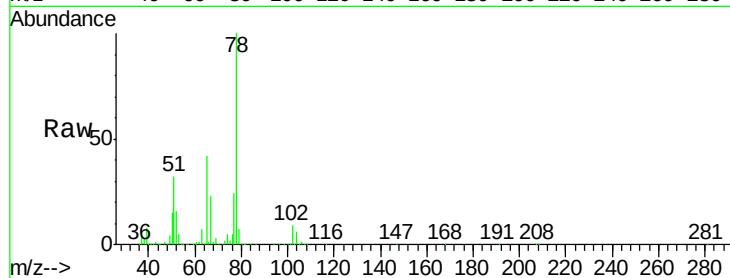
#33
 1,2-Dichloroethane-d4
 Concen: 49.58 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	103.8	

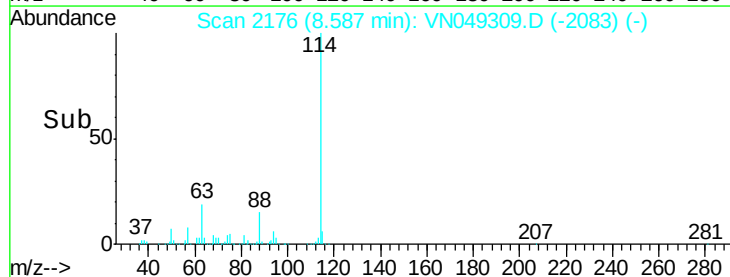
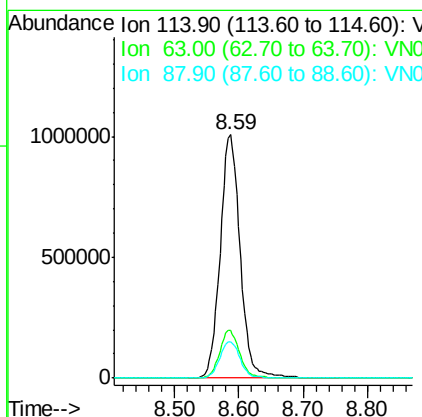
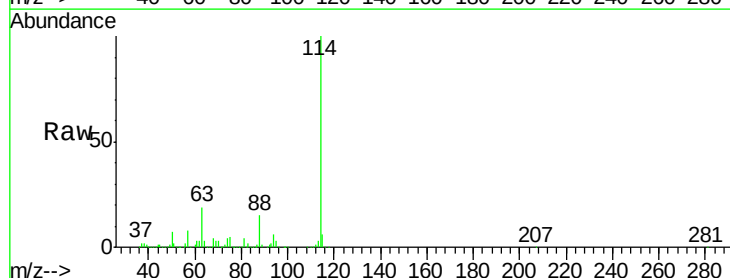
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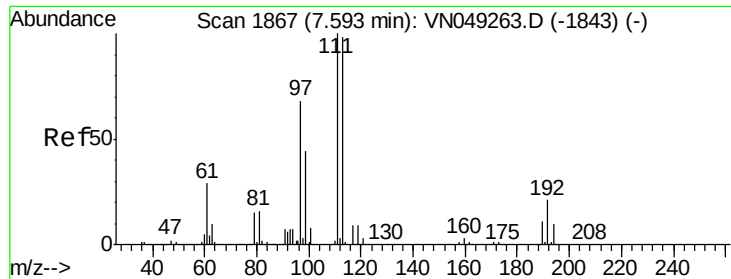
MMDadoda
 6/18/2018 3:16:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.4	0.0	44.4	
88	14.9	0.0	31.4	





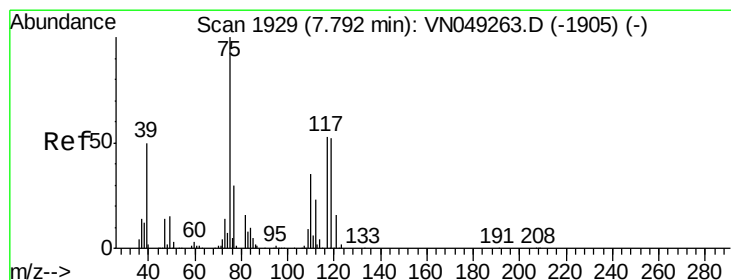
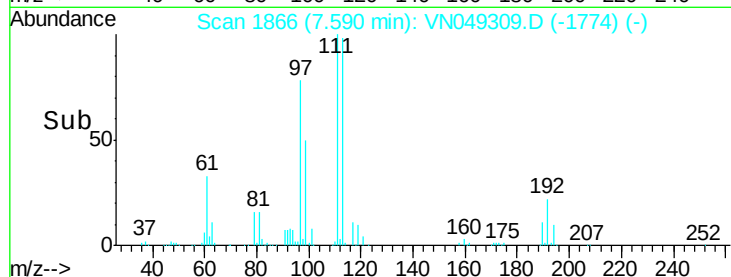
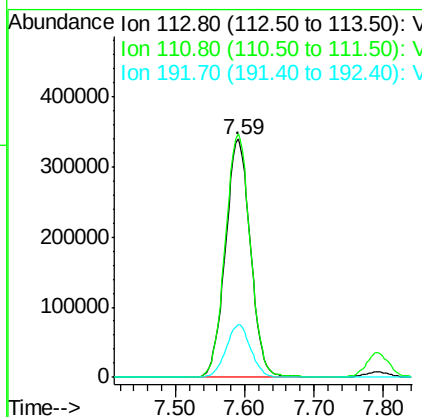
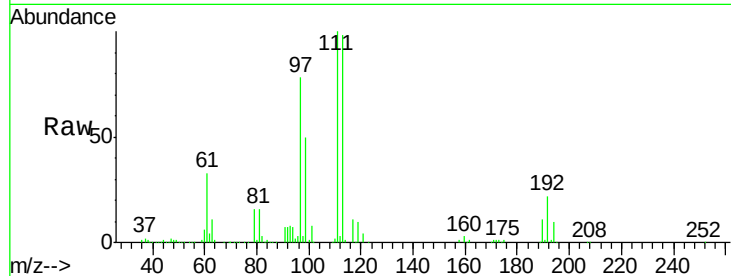
#35
 Dibromofluoromethane
 Concen: 48.93 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.4	123.6
192	21.8	15.0	22.6

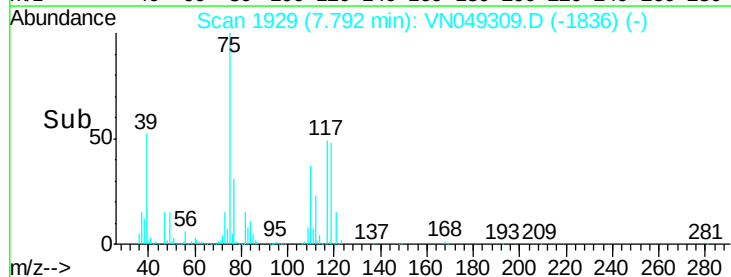
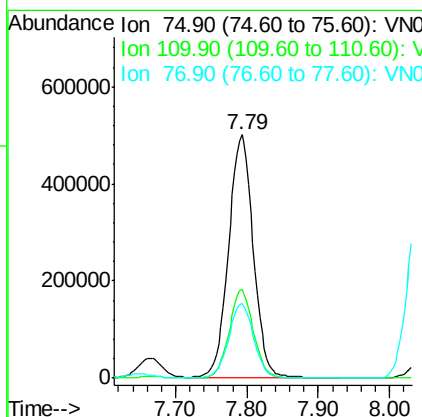
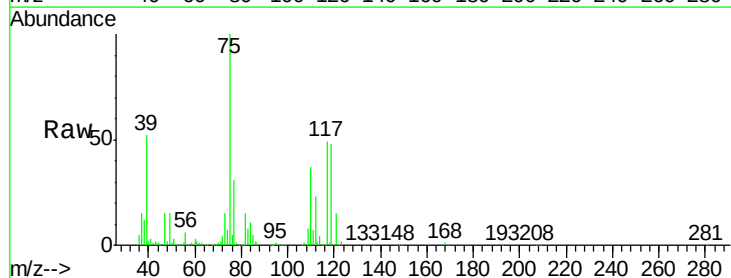
Manual Integrations
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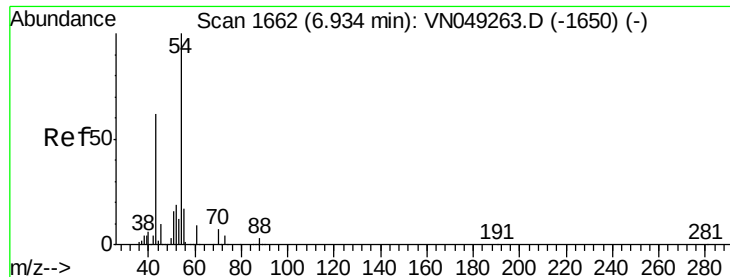
MMDadoda
 6/18/2018 3:16:22 PM



#36
 1,1-Dichloropropene
 Concen: 48.86 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.0	50.9
77	30.8	24.4	36.6





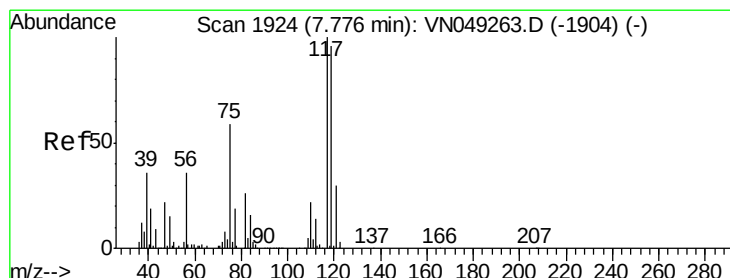
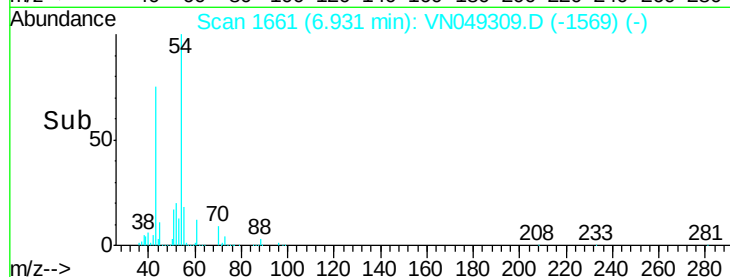
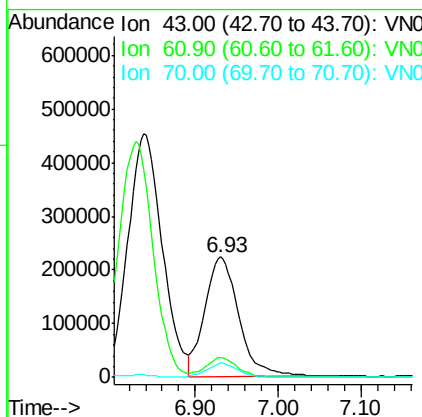
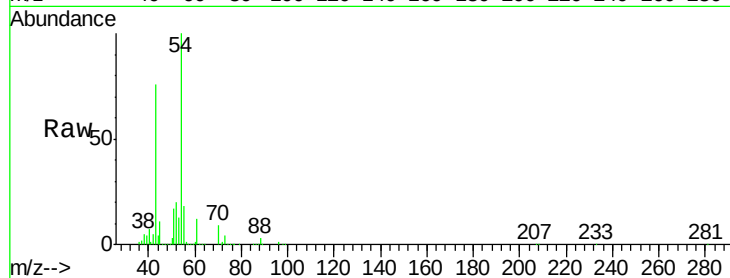
#37
Ethyl Acetate
Concen: 47.23 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	10.4	7.2	10.8

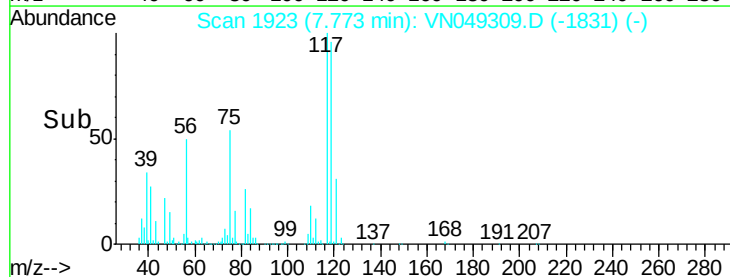
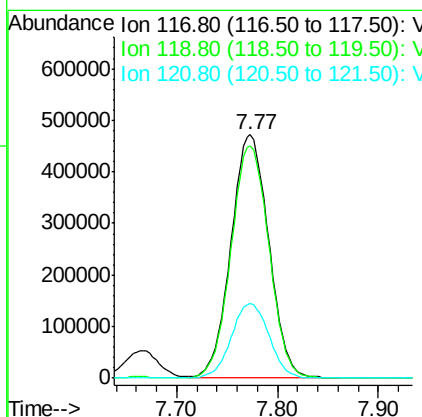
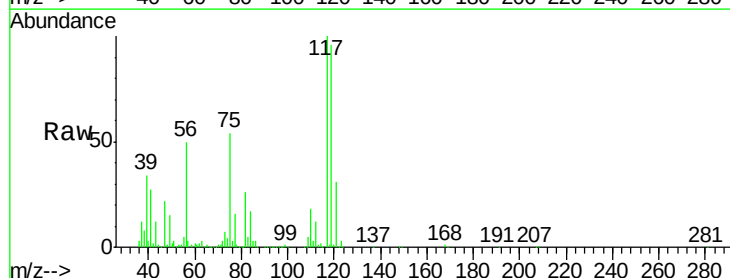
Manual Integrations
APPROVED

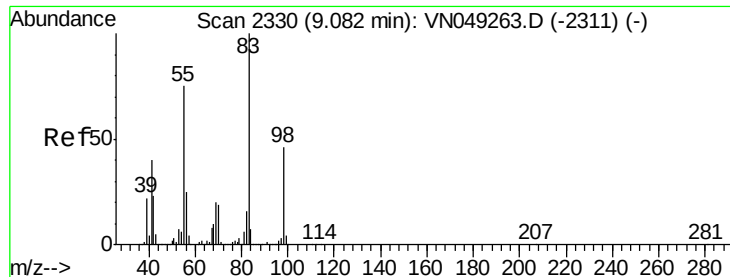
MMDadoda
6/18/2018 3:16:22 PM



#38
Carbon Tetrachloride
Concen: 47.61 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	30.5	24.7	37.1





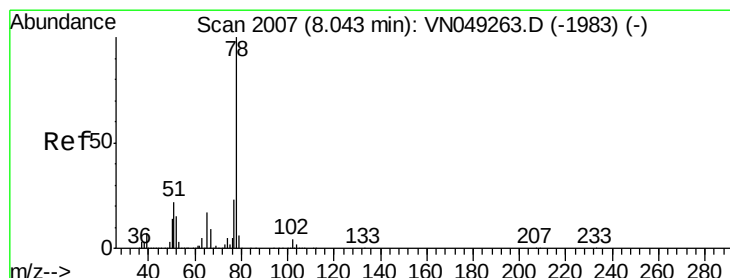
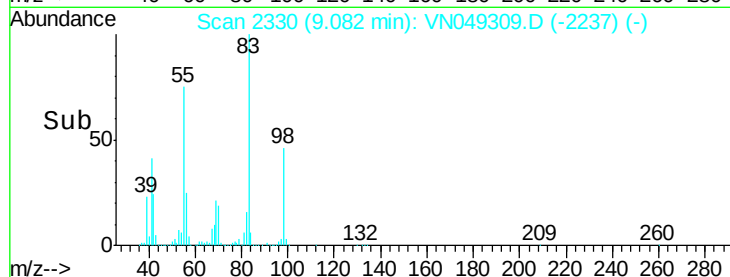
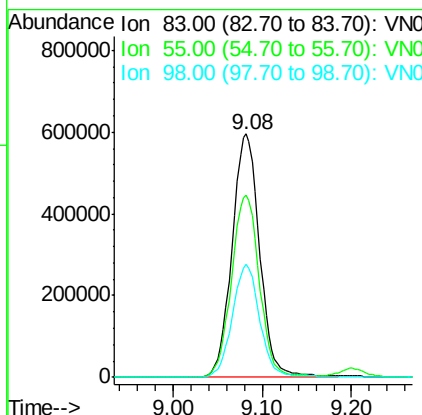
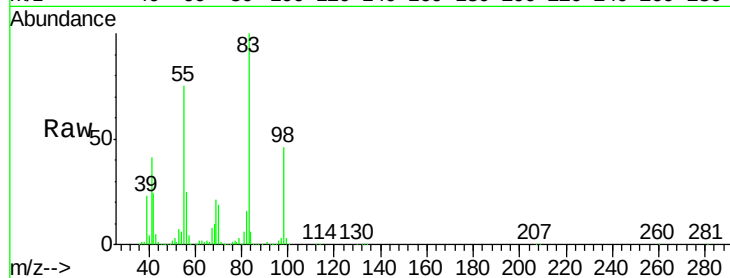
#39
Methylvlcyclohexane
Concen: 48.02 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	65.1	97.7
98	46.4	36.5	54.7

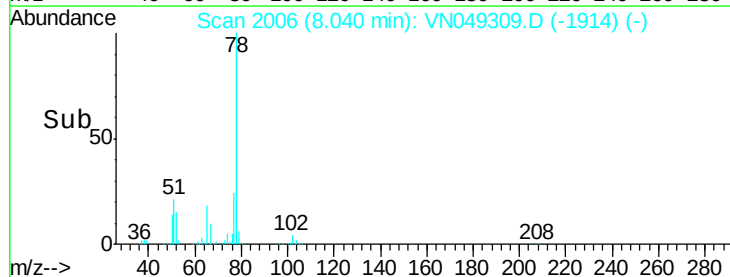
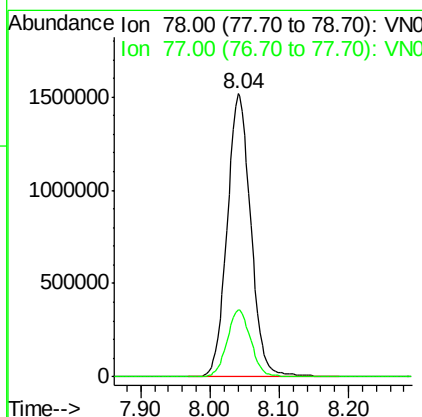
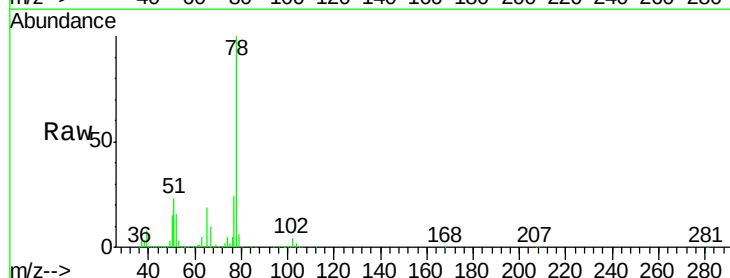
Manual Integrations
APPROVED

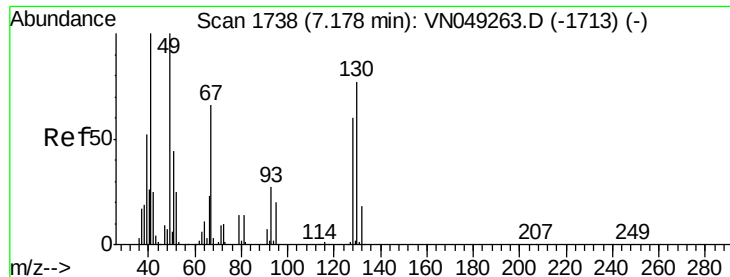
MMDadoda
6/18/2018 3:16:22 PM



#40
Benzene
Concen: 47.61 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





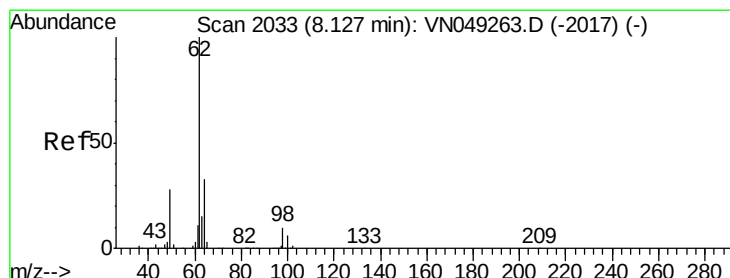
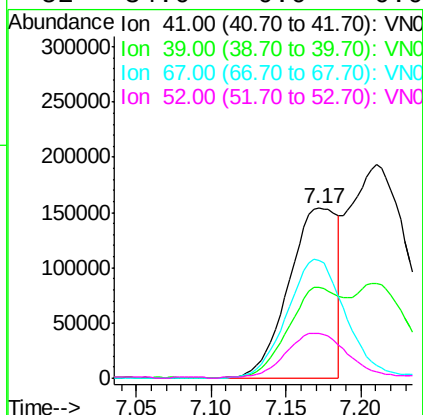
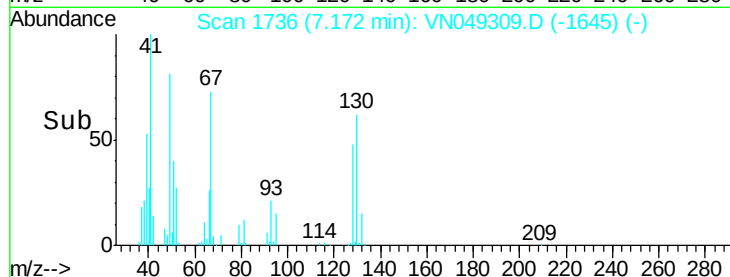
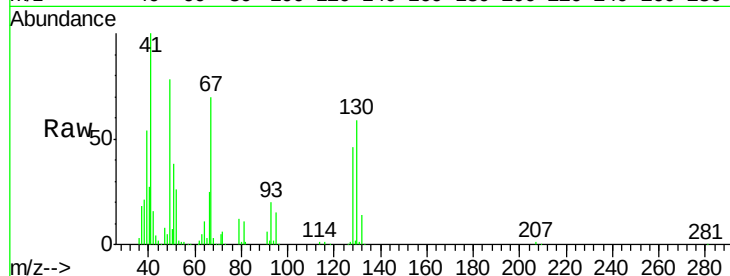
#41
Methacrylonitrile
Concen: 47.13 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.1	0.0	0.0#
67	86.5	0.0	0.0#
52	34.0	0.0	0.0#

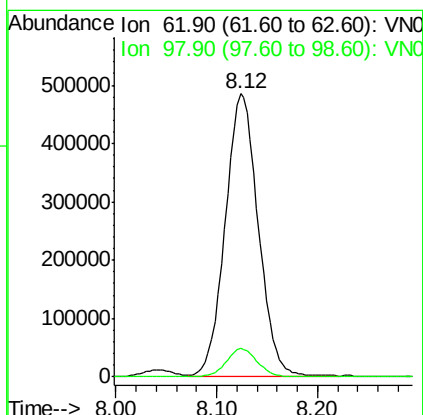
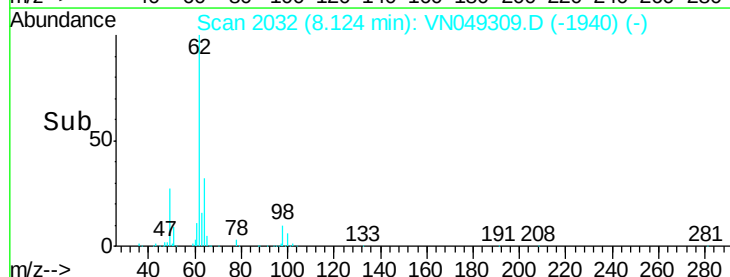
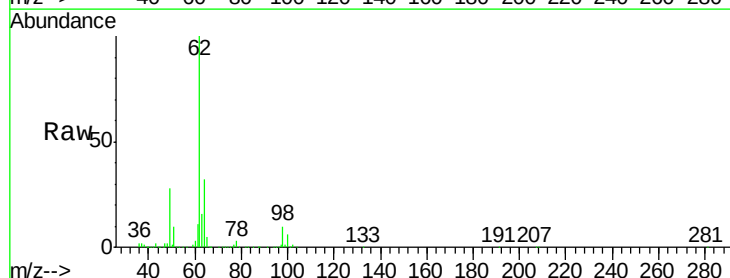
Manual Integrations
APPROVED

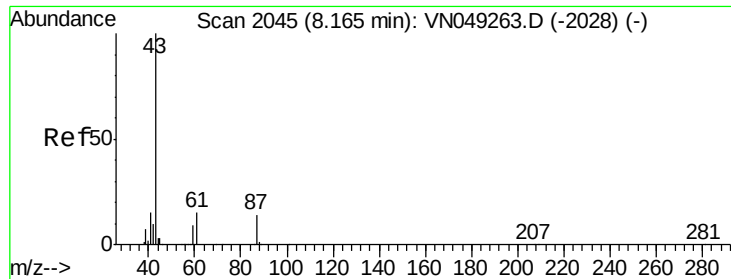
MMDadoda
6/18/2018 3:16:22 PM



#42
1,2-Dichloroethane
Concen: 46.87 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 46.66 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1201763

Ion Ratio Lower Upper

43 100

61 19.2 14.2 21.4

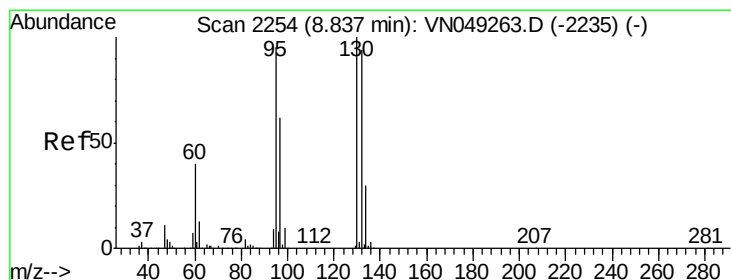
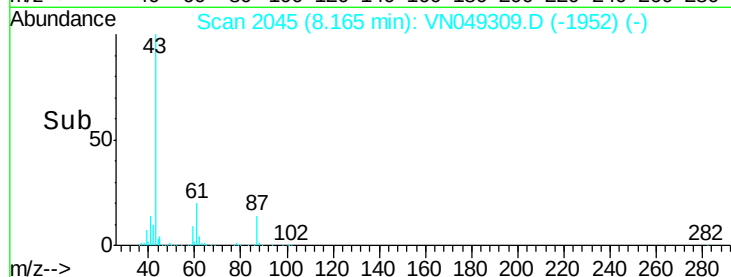
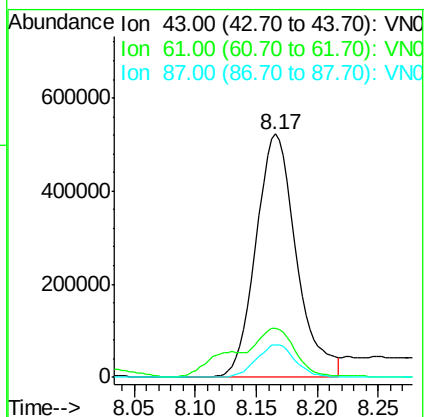
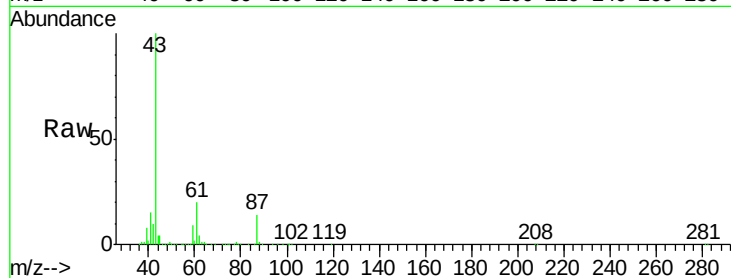
87 12.9 9.4 14.0

Manual Integrations

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#44

Trichloroethene

Concen: 48.01 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049309.D

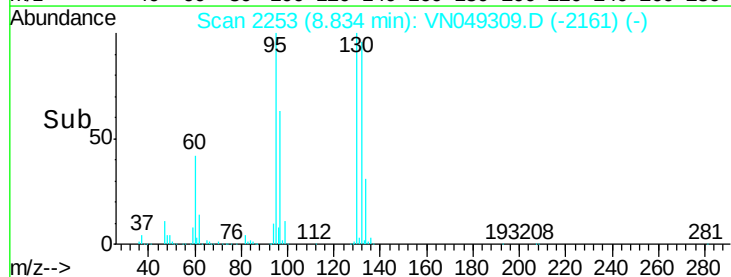
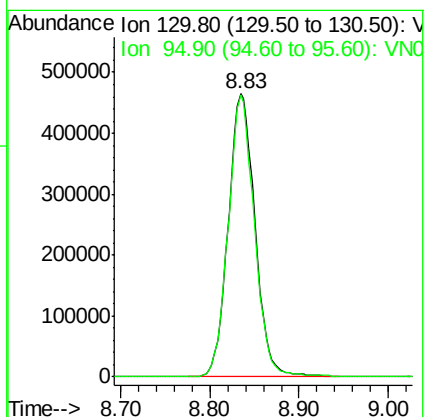
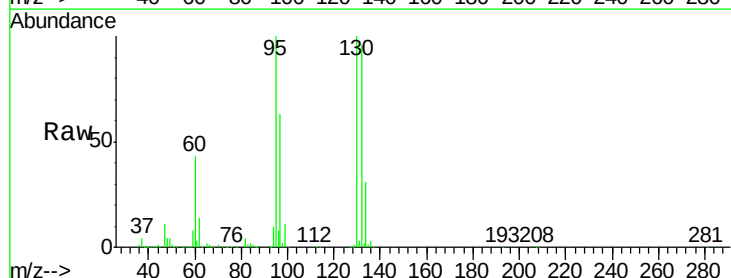
Acq: 16 Jun 2018 14:35

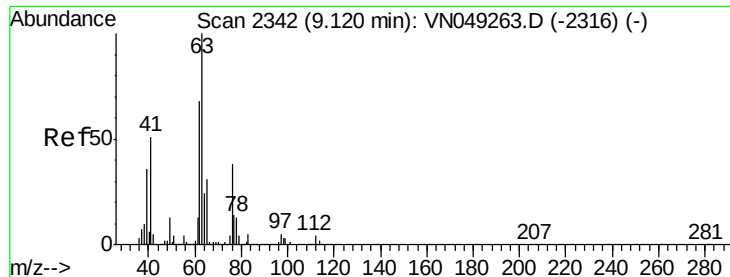
Tgt Ion: 130 Resp: 963920

Ion Ratio Lower Upper

130 100

95 99.9 0.0 208.6





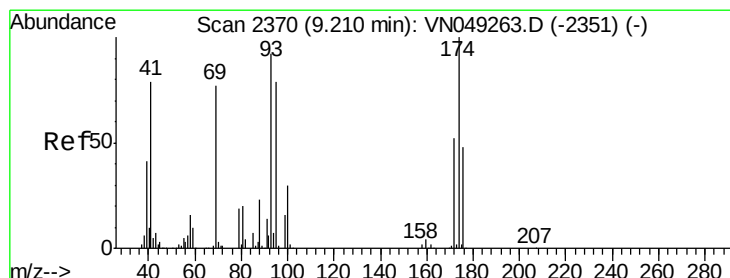
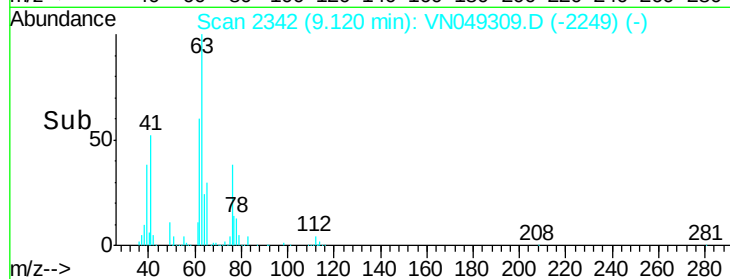
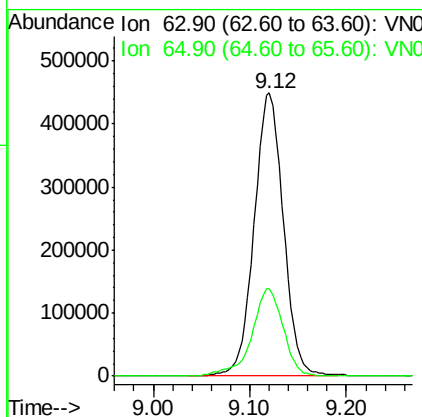
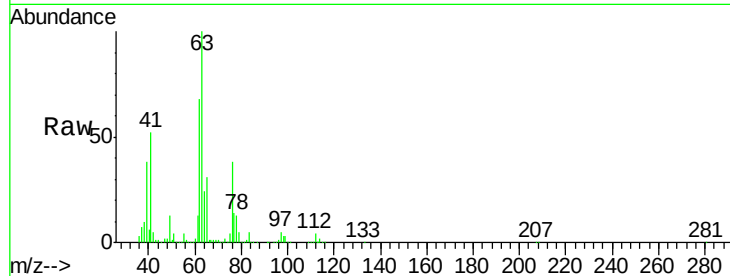
#45
 1,2-Dichloropropane
 Concen: 47.46 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

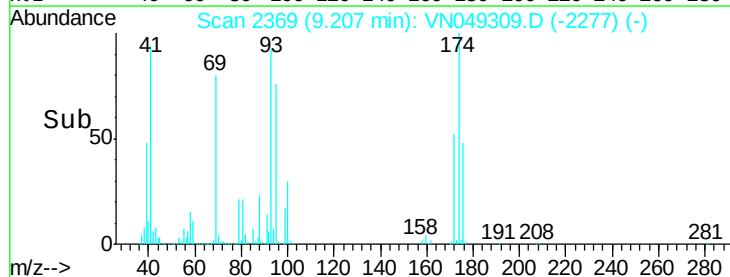
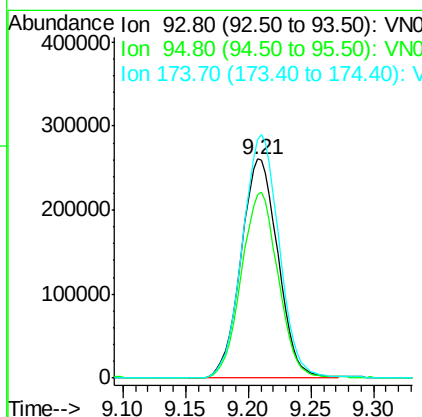
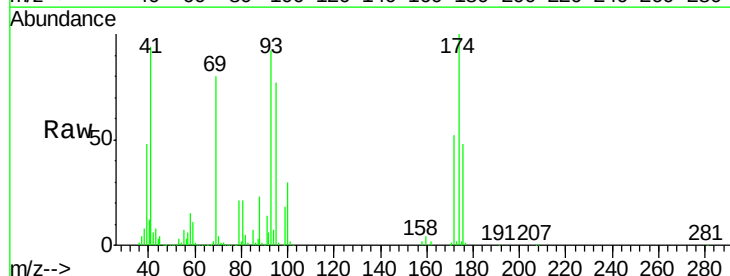
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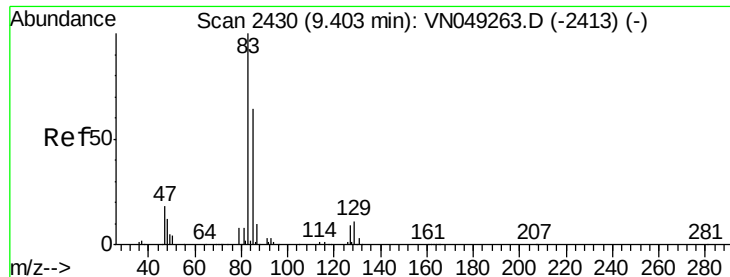
MMDadoda
 6/18/2018 3:16:22 PM



#46
 Dibromomethane
 Concen: 46.49 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.2	100.8
174	110.4	75.6	113.4





#47

Bromodichloromethane

Concen: 47.74 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

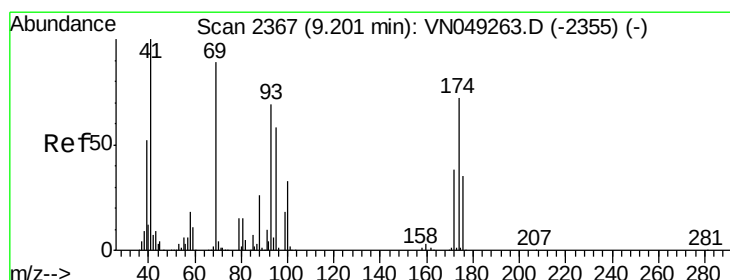
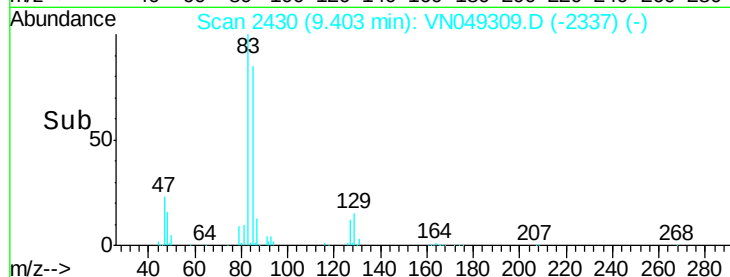
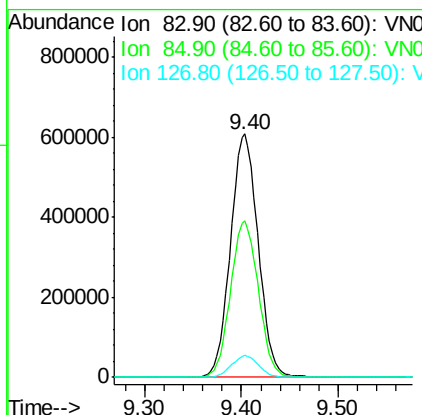
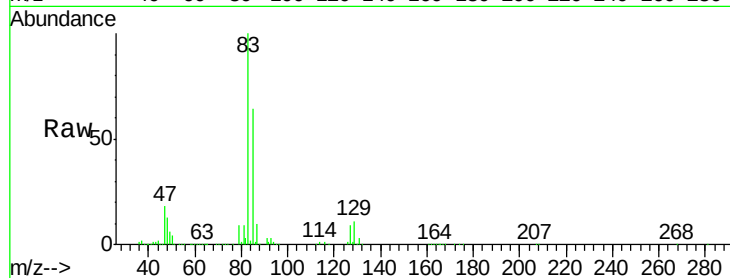
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	1211001
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.4	74.0
127	8.9	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.25 ug/l

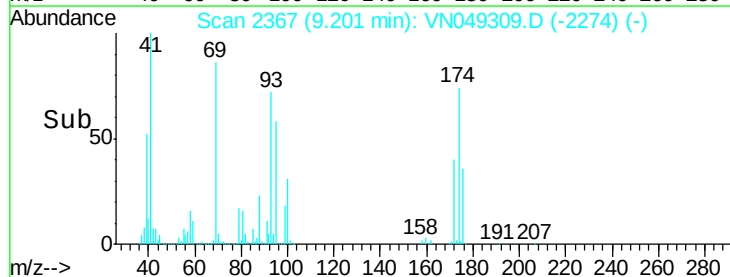
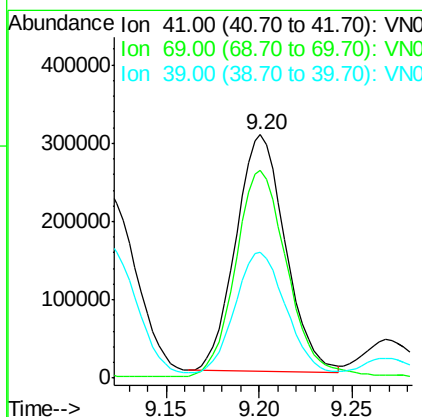
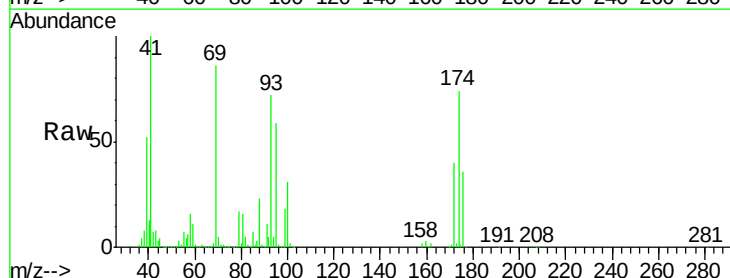
RT: 9.20 min Scan# 2367

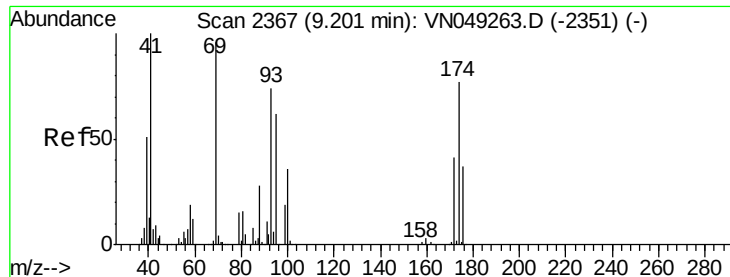
Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion:	41	Resp:	560997
Ion	Ratio	Lower	Upper
41	100		
69	92.9	62.0	93.0
39	56.3	50.6	75.8





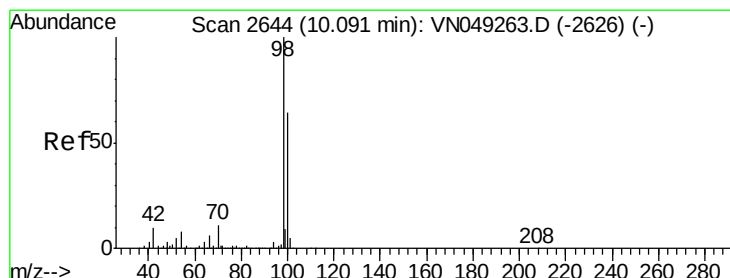
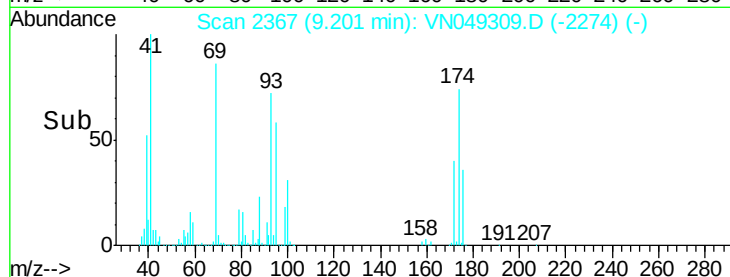
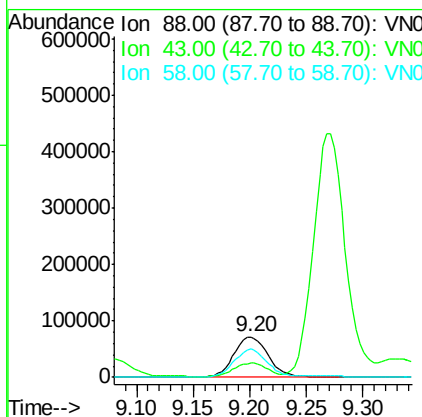
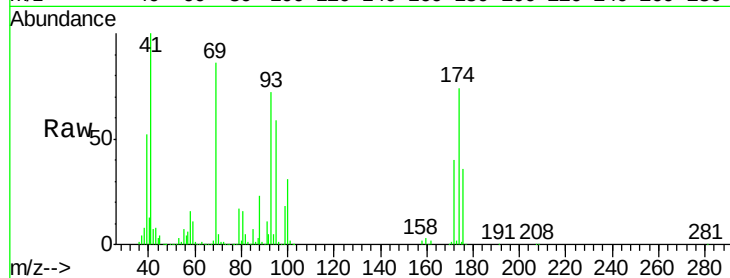
#49
1,4-Dioxane
Concen: 912.39 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.5	30.9	46.3
58	67.2	58.9	88.3

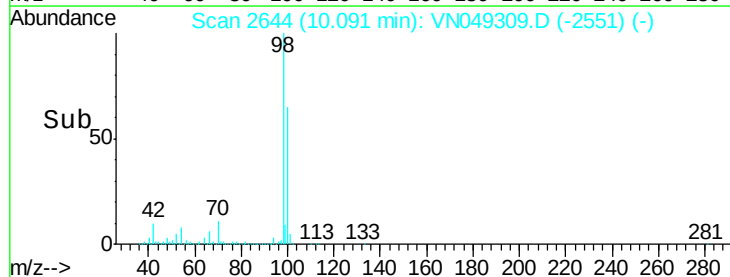
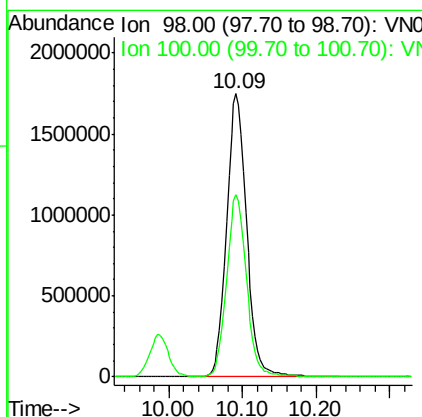
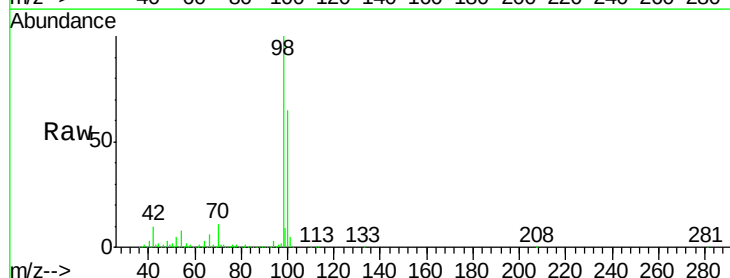
Manual Integrations
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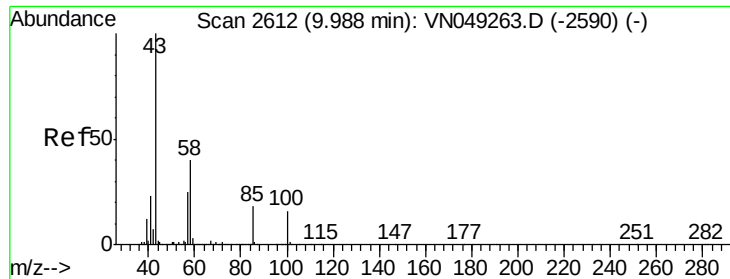
MMDadoda
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#50
Toluene-d8
Concen: 49.46 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	49.8	74.8





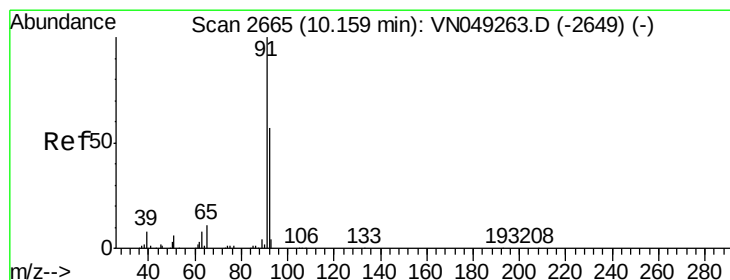
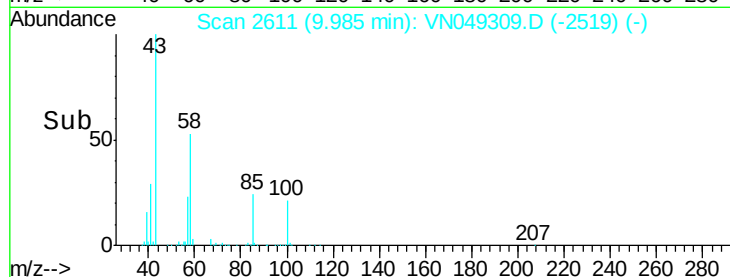
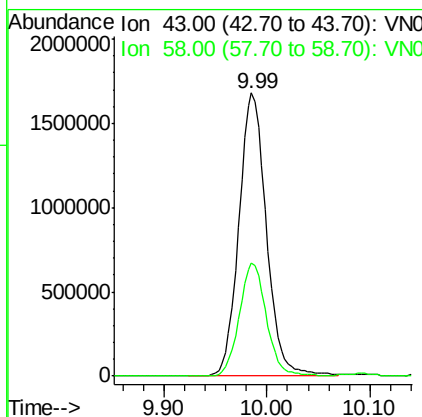
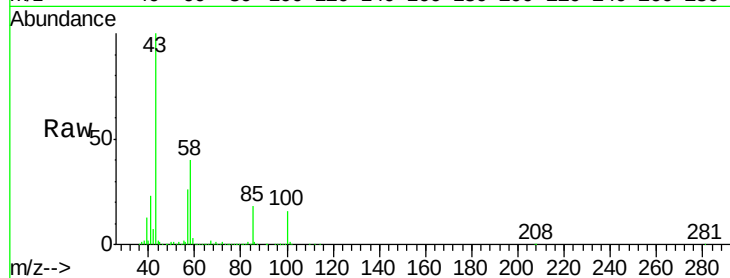
#51
4-Methyl-2-Pentanone
Concen: 230.91 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3117269
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6

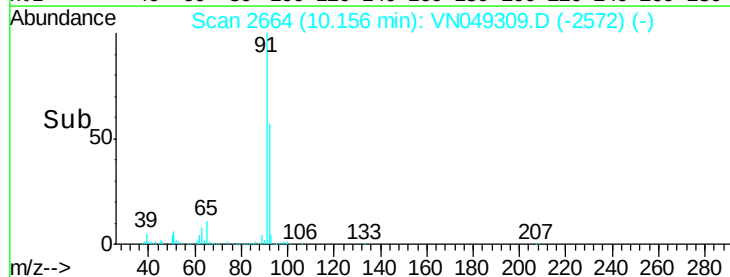
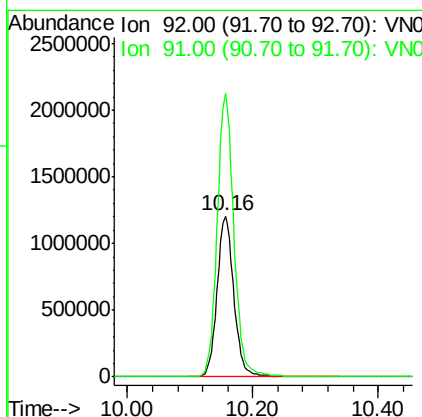
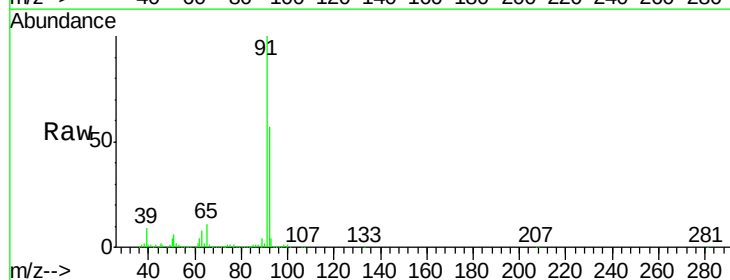
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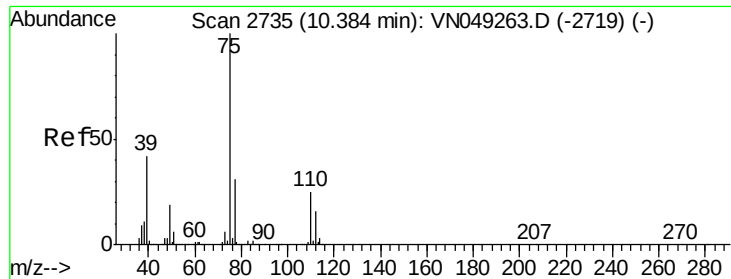
MMDadoda
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#52
Toluene
Concen: 50.13 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion: 92 Resp: 2236957
Ion Ratio Lower Upper
92 100
91 175.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 45.13 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1095199

Ion Ratio Lower Upper

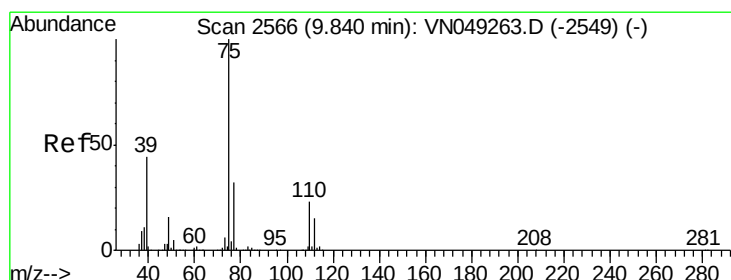
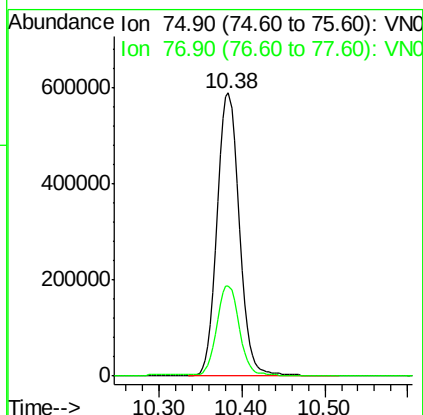
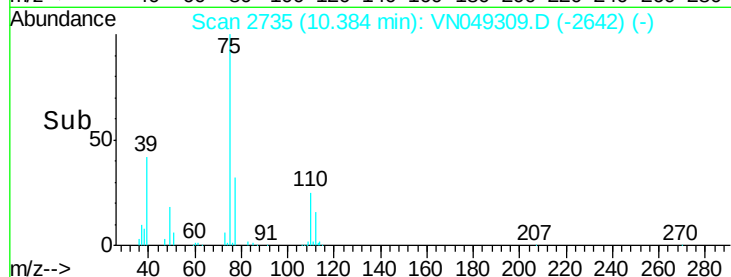
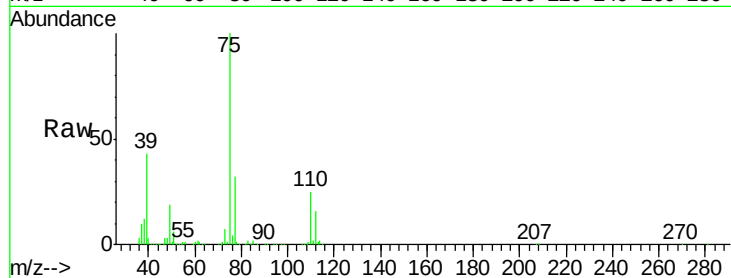
75 100

77 31.9 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 45.56 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

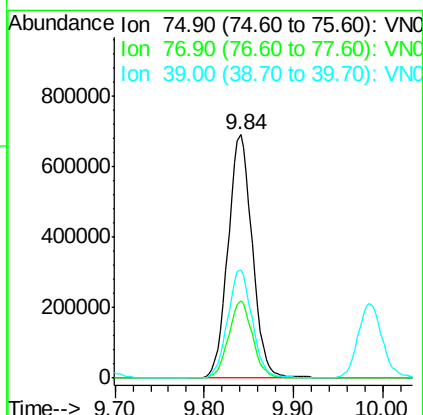
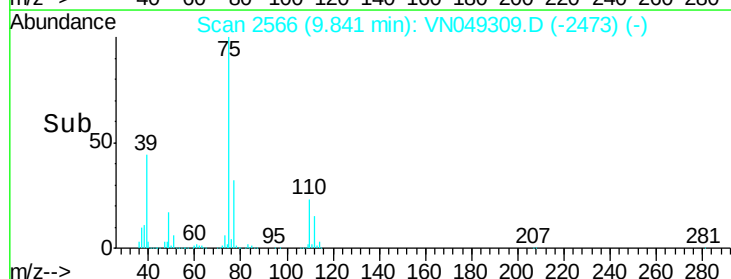
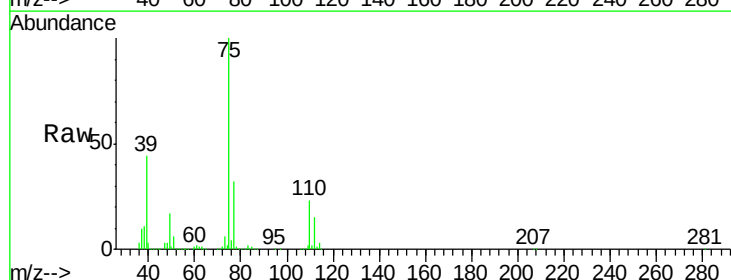
Tgt Ion: 75 Resp: 1305448

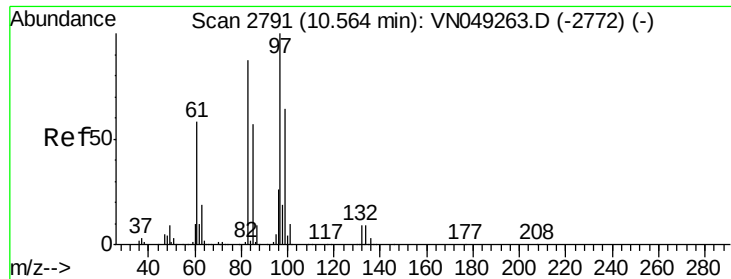
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 44.4 45.1 67.7#





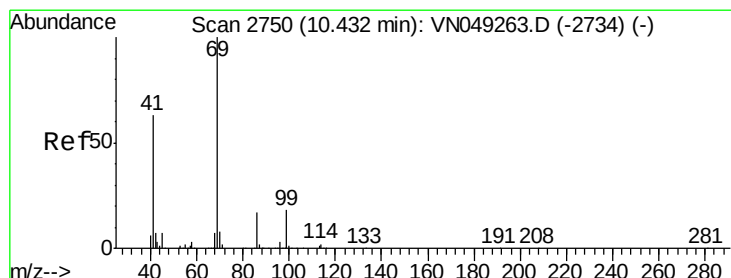
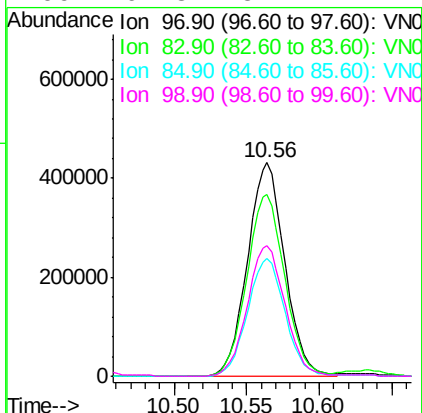
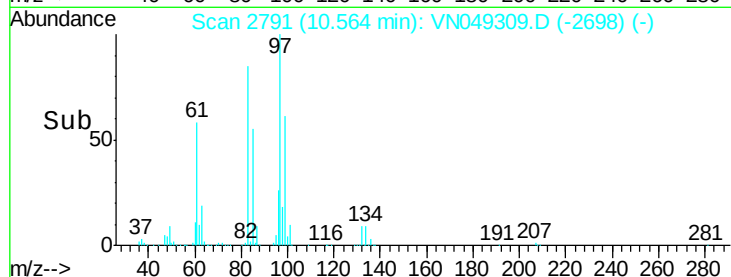
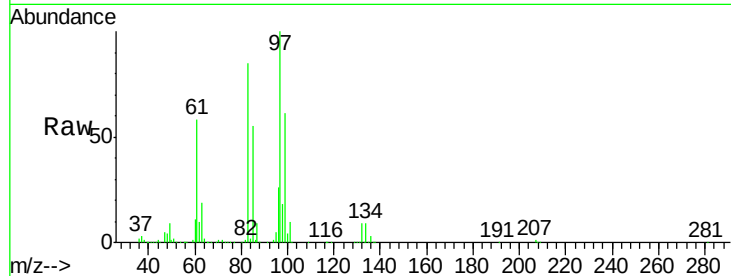
#55
 1,1,2-Trichloroethane
 Concen: 46.31 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	770270
Ion	Ratio	Lower	Upper
97	100		
83	84.9	71.5	107.3
85	55.2	47.0	70.4
99	61.3	51.4	77.2

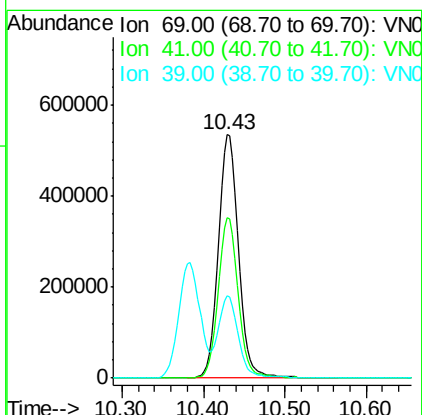
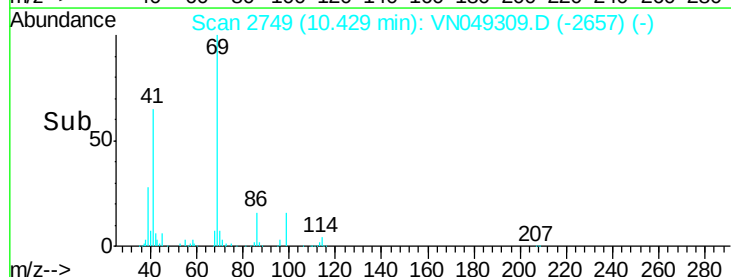
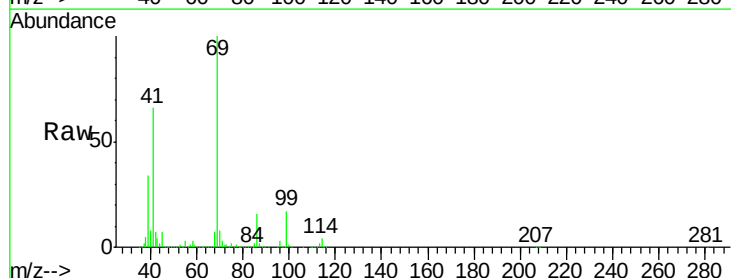
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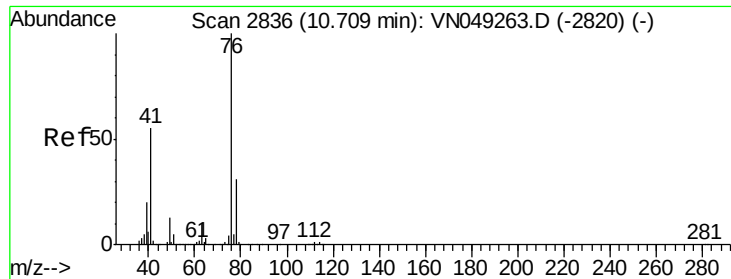
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 6/18/2018 3:16:22 PM



#56
 Ethyl methacrylate
 Concen: 48.97 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion:	69	Resp:	939685
Ion	Ratio	Lower	Upper
69	100		
41	64.5	58.4	87.6
39	32.8	35.5	53.3#





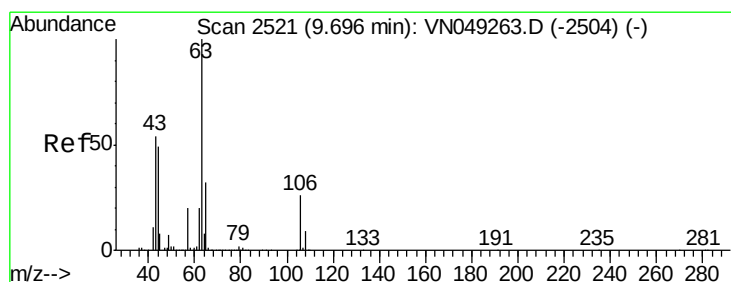
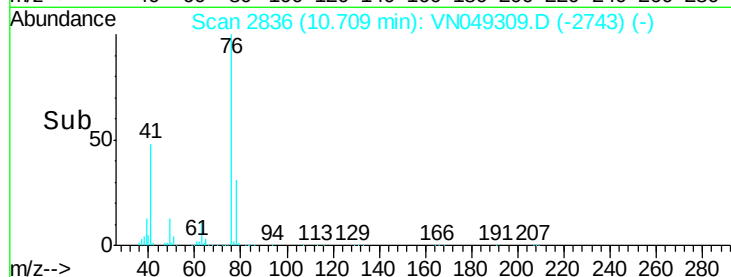
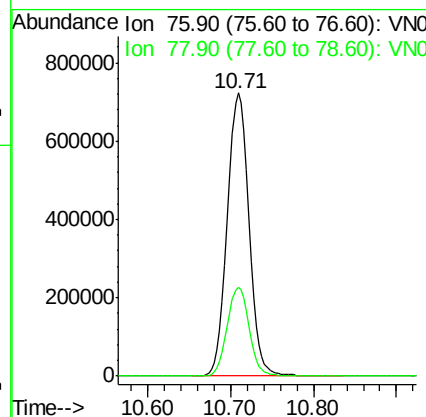
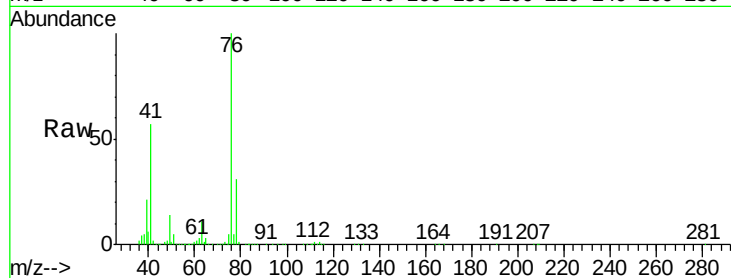
#57
 1,3-Dichloropropane
 Concen: 47.65 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1313145
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.3 39.5

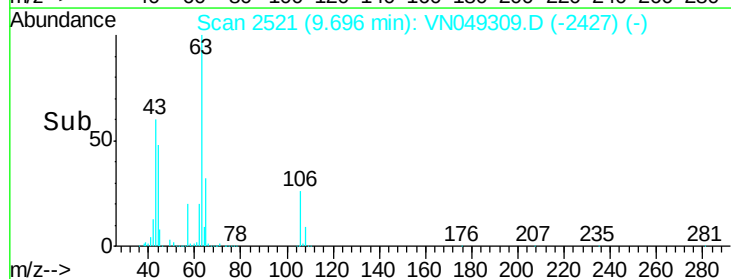
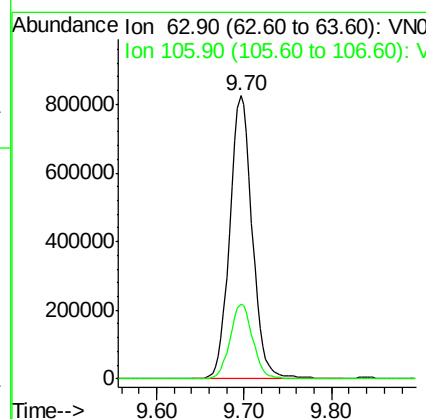
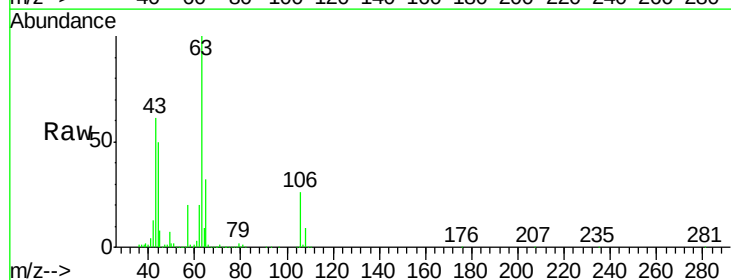
Manual Integrations
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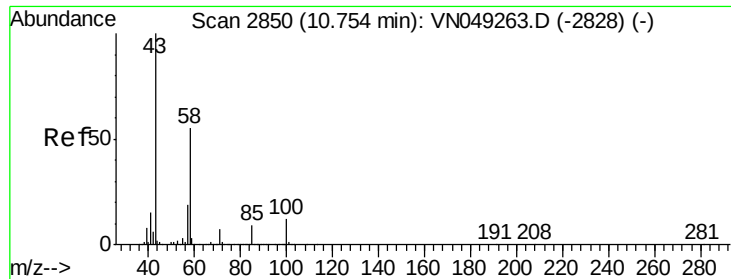
MMDadoda
 6/18/2018 3:16:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 217.04 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion: 63 Resp: 1475294
 Ion Ratio Lower Upper
 63 100
 106 26.6 19.4 29.2





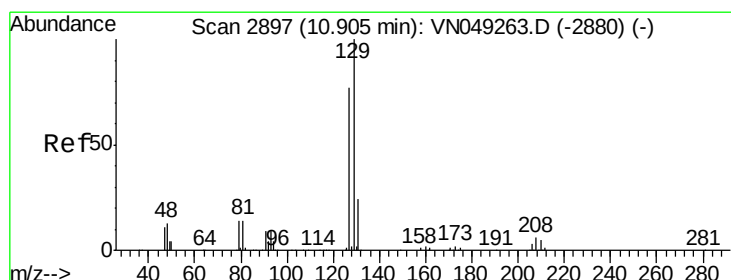
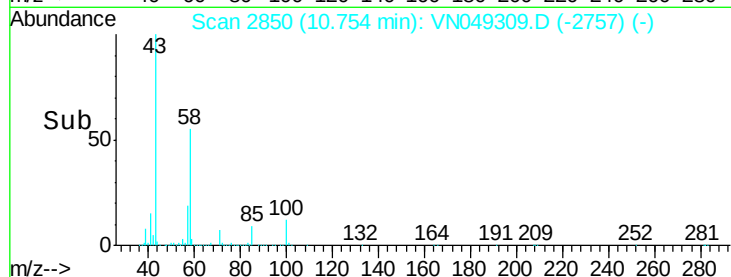
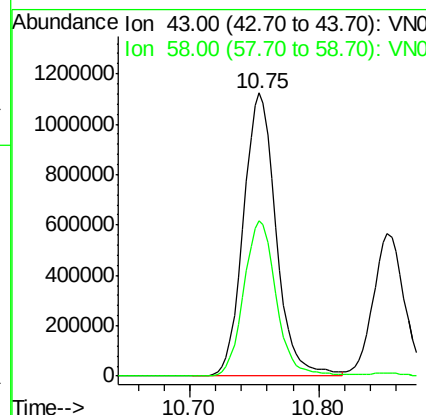
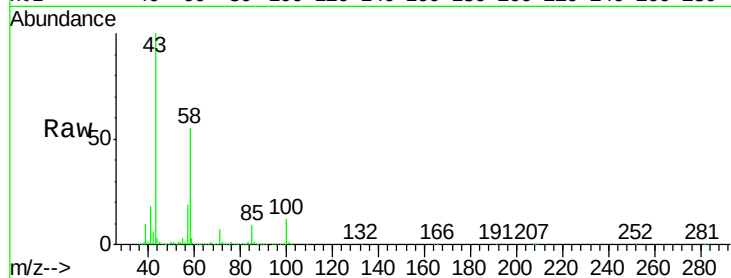
#59
2-Hexanone
Concen: 226.63 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1972453
Ion Ratio Lower Upper
43 100
58 54.9 25.2 75.6

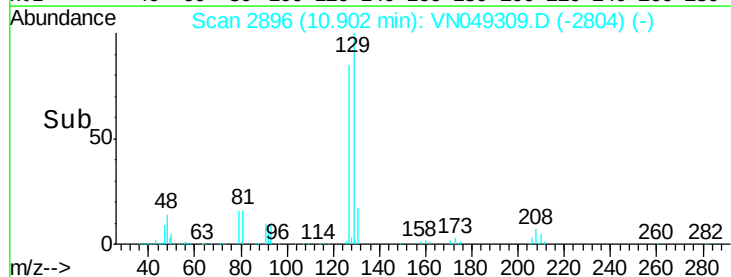
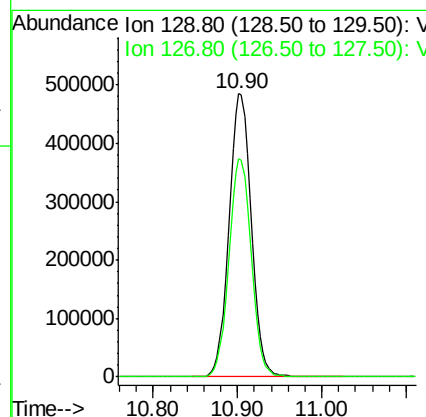
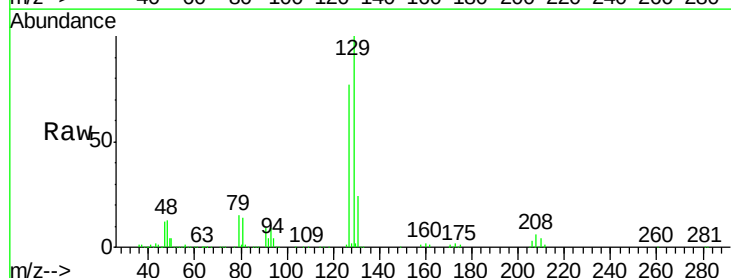
Manual Integrations
APPROVED

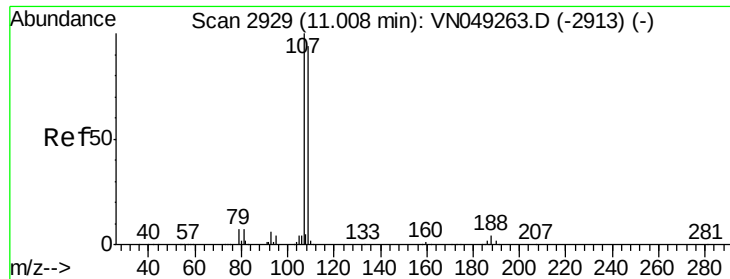
MMDadoda
6/18/2018 3:16:22 PM



#60
Dibromochloromethane
Concen: 47.85 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion: 129 Resp: 888403
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





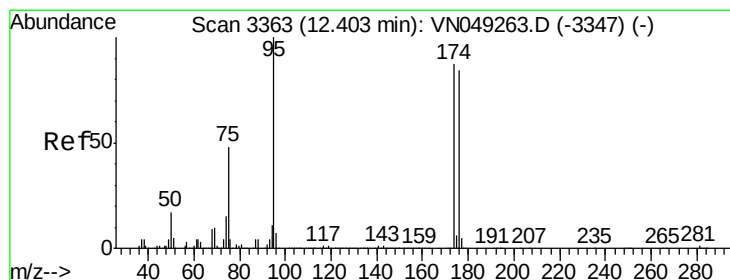
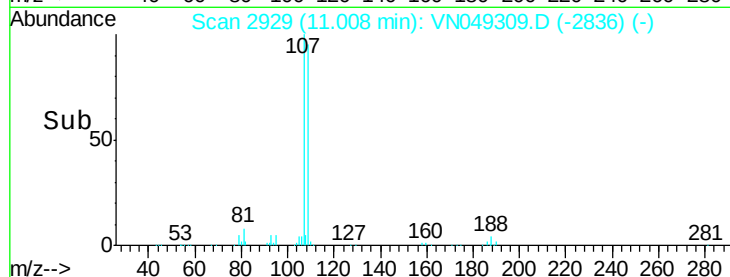
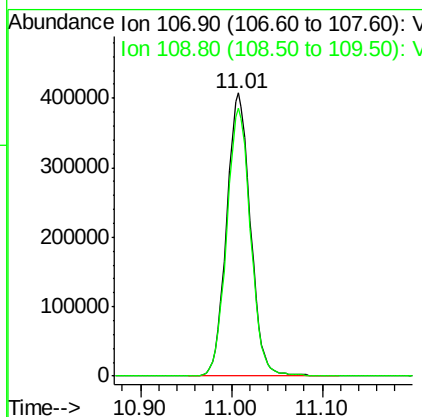
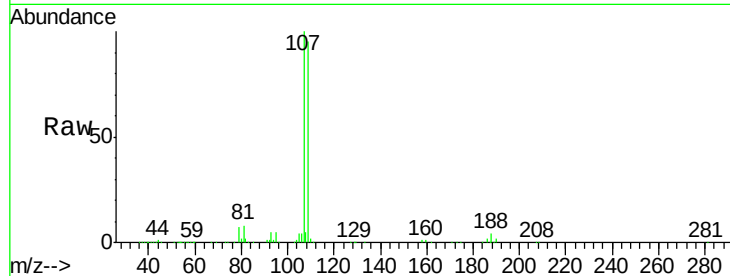
#61
 1,2-Dibromoethane
 Concen: 47.88 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 740387
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.2

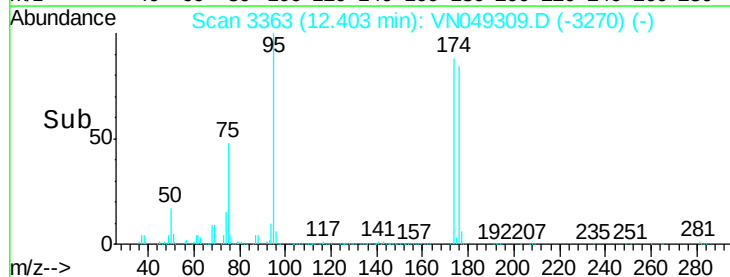
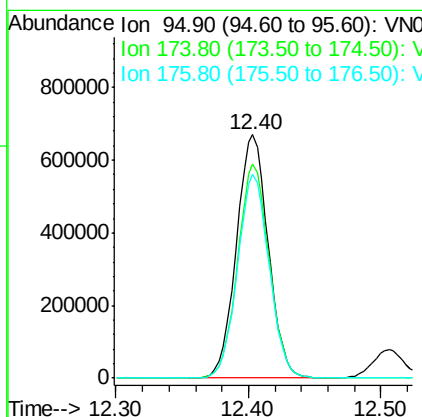
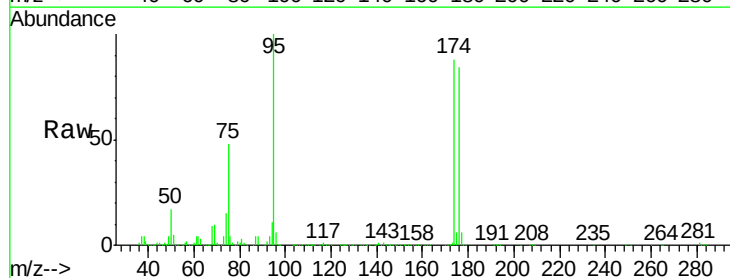
Manual Integrations
 APPROVED

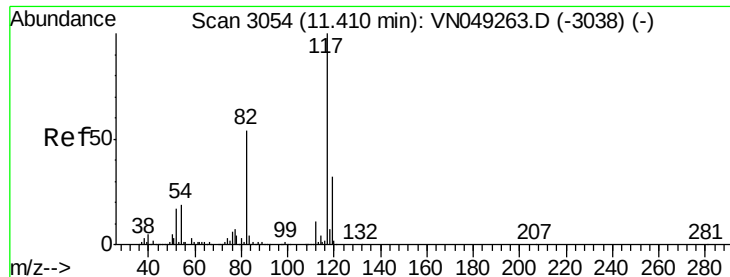
MMDadoda
 6/18/2018 3:16:22 PM



#62
 4-Bromofluorobenzene
 Concen: 50.58 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion: 95 Resp: 1114739
 Ion Ratio Lower Upper
 95 100
 174 87.2 0.0 165.6
 176 83.2 0.0 157.4





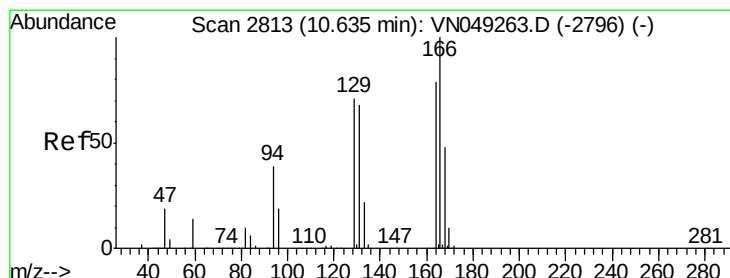
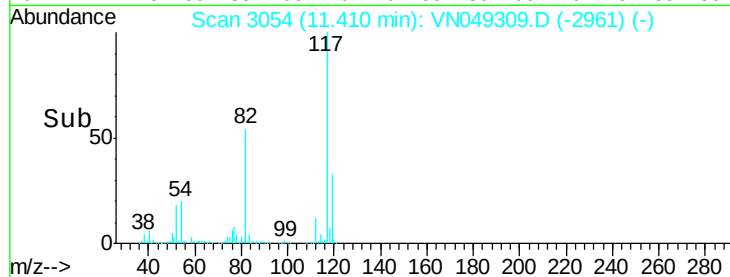
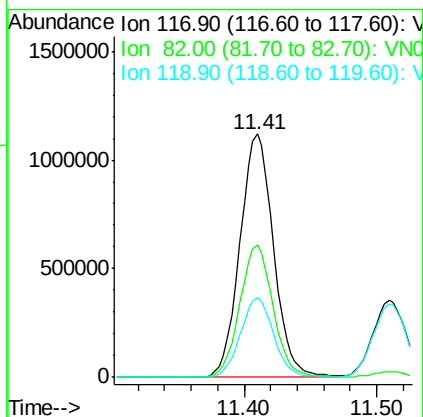
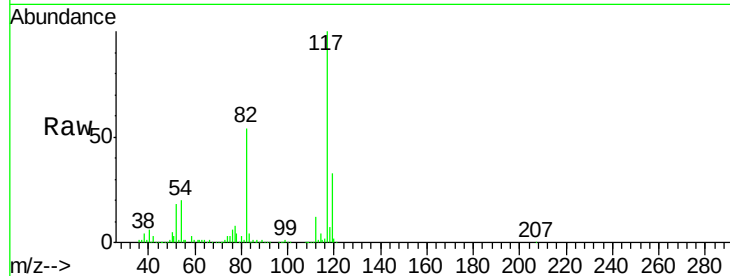
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	45.9	68.9
119	32.7	25.5	38.3

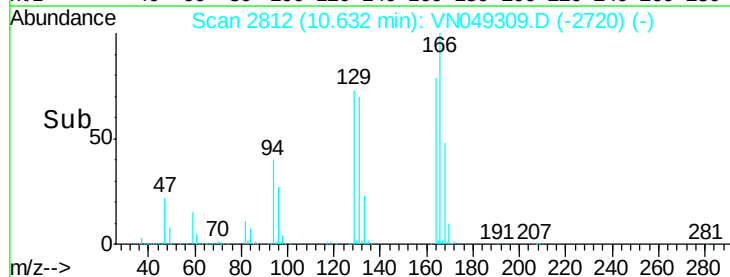
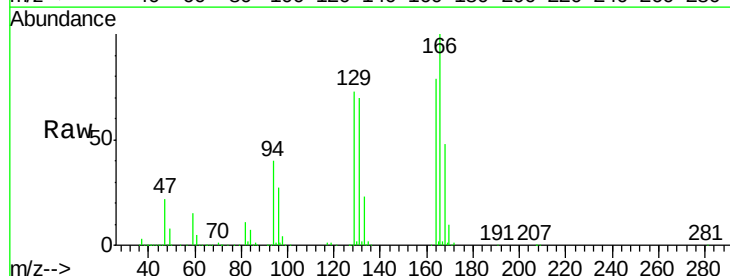
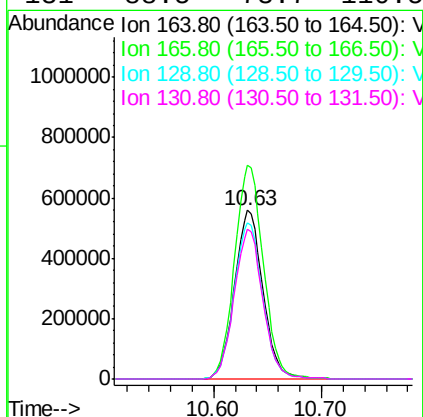
Manual Integrations
APPROVED

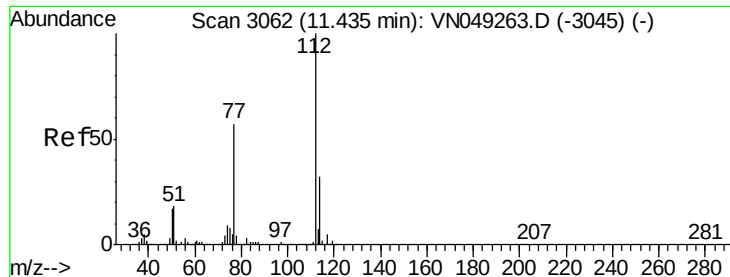
MMDadoda
6/18/2018 3:16:22 PM



#64
Tetrachloroethene
Concen: 50.56 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	101.4	152.2
129	92.8	74.1	111.1
131	88.5	73.7	110.5





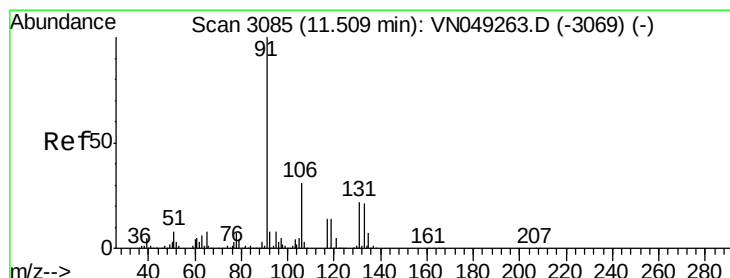
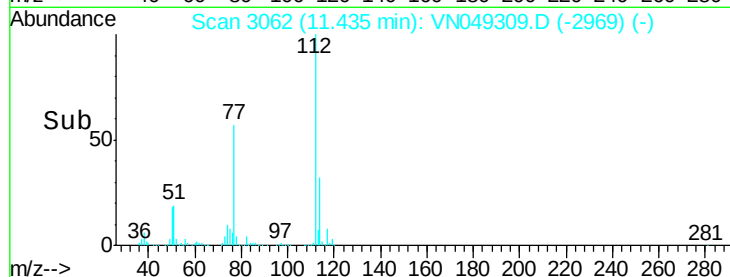
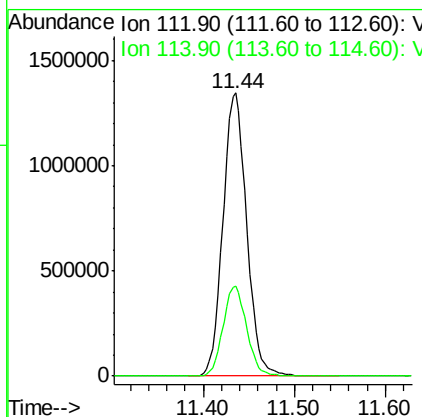
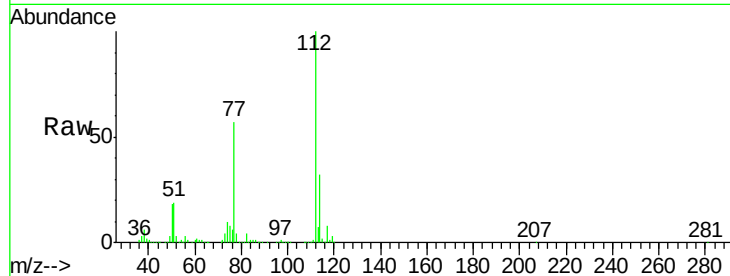
#65
Chlorobenzene
Concen: 47.94 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 2434450
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

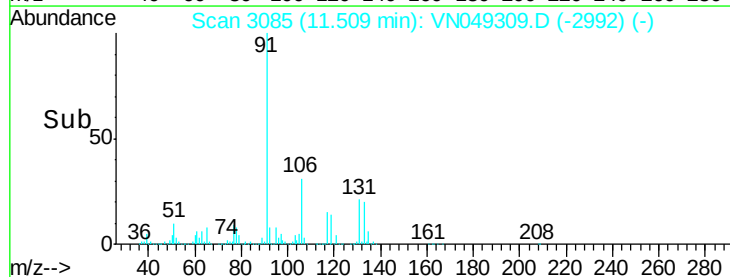
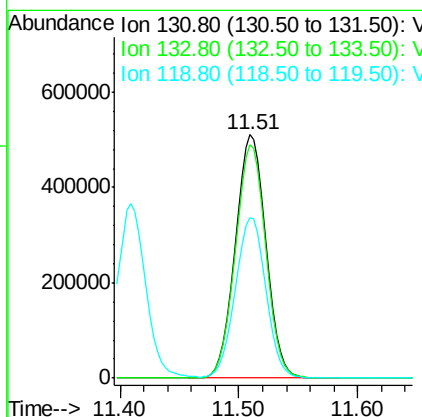
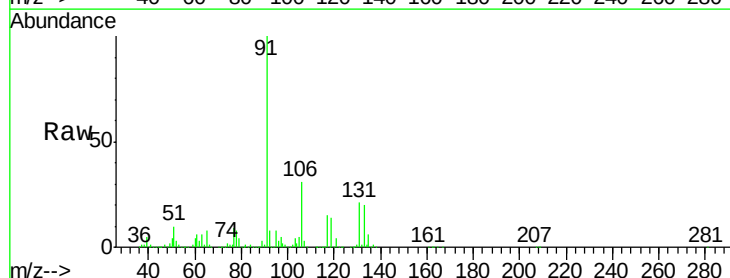
Manual Integrations
APPROVED

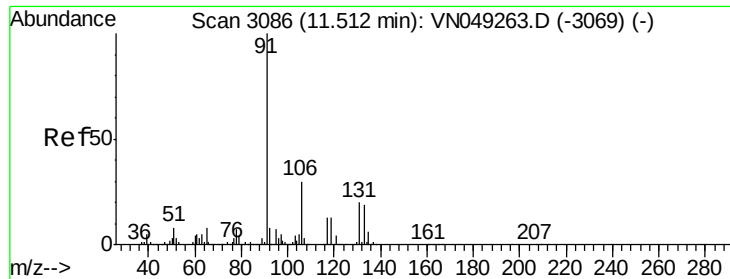
MMDadoda
6/18/2018 3:16:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.50 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion:131 Resp: 907622
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.2
119 66.3 33.6 100.8





#67

Ethyl Benzene

Concen: 50.61 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 4262463

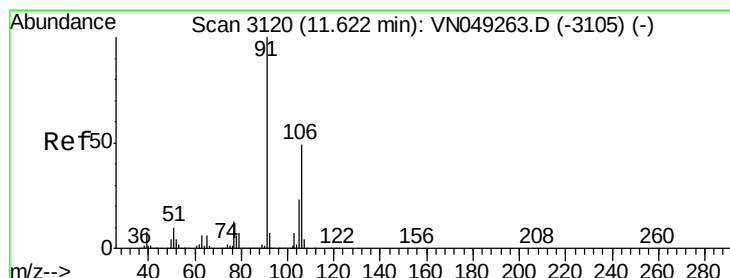
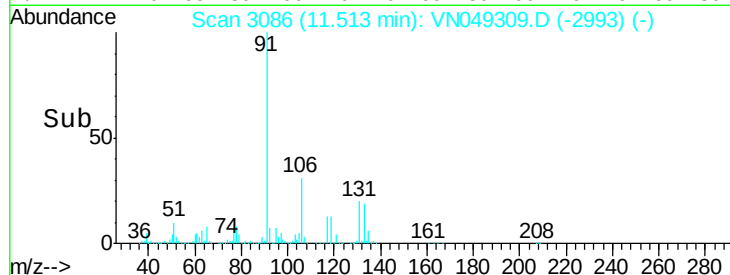
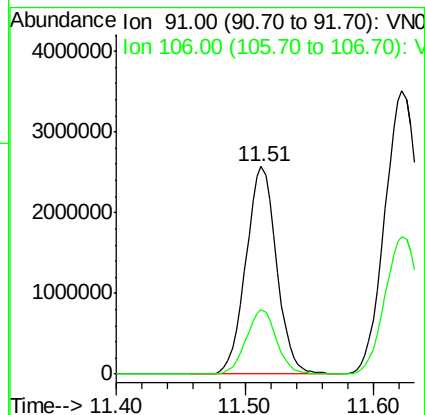
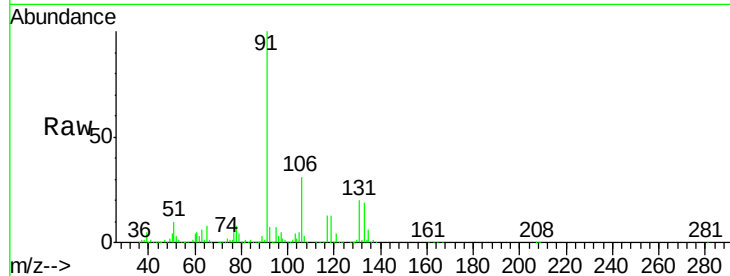
Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:22 PM



#68

m/p-Xylenes

Concen: 102.93 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049309.D

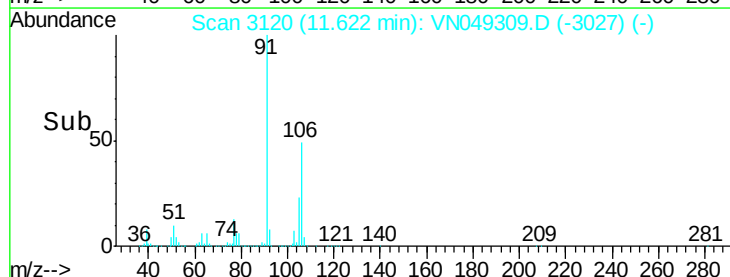
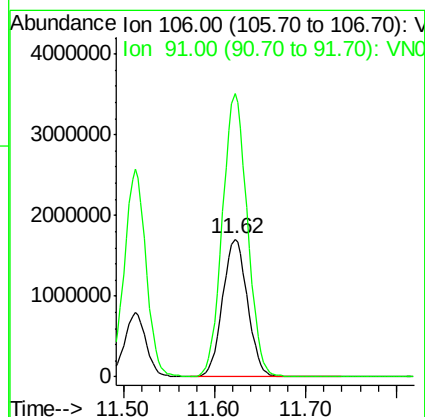
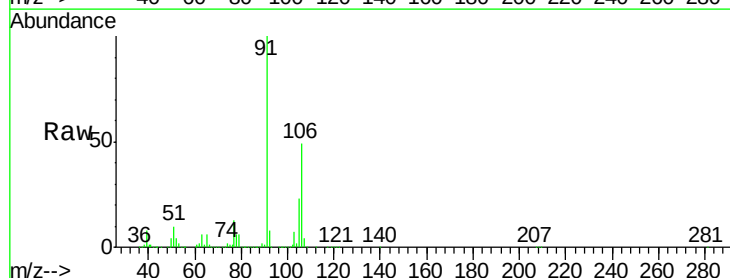
Acq: 16 Jun 2018 14:35

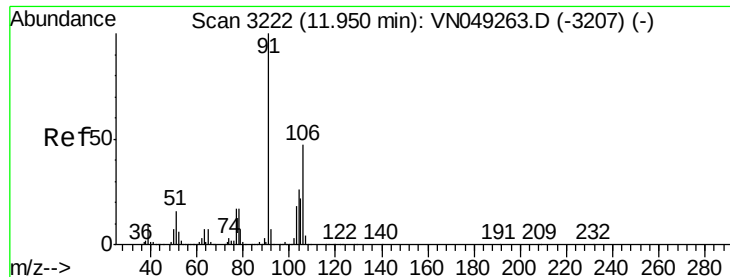
Tgt Ion: 106 Resp: 3253600

Ion Ratio Lower Upper

106 100

91 205.2 167.3 250.9





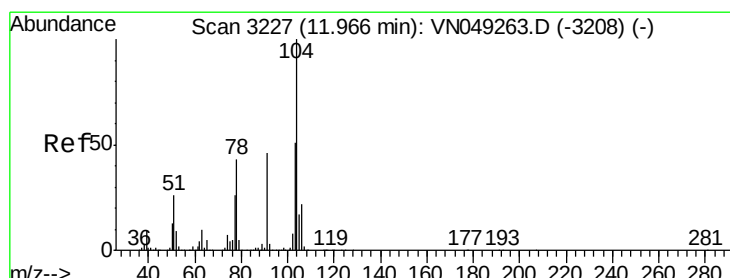
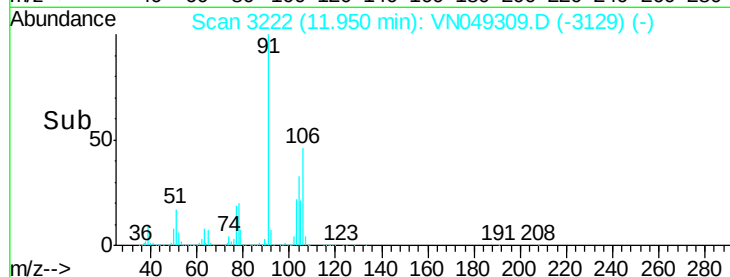
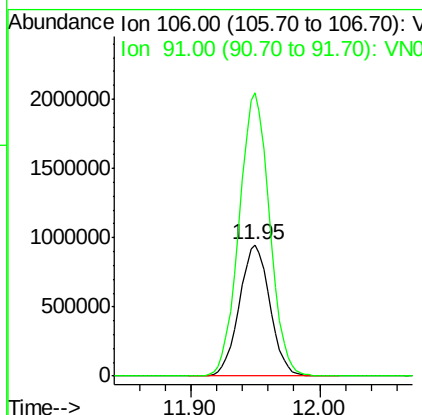
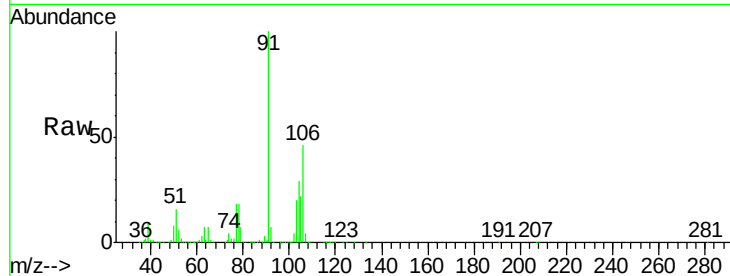
#69
o-Xylene
Concen: 51.44 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1566084
Ion Ratio Lower Upper
106 100
91 215.0 111.0 333.0

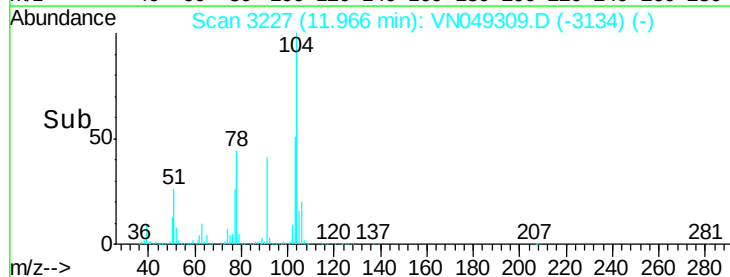
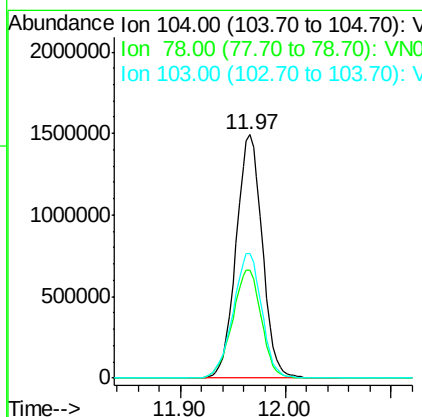
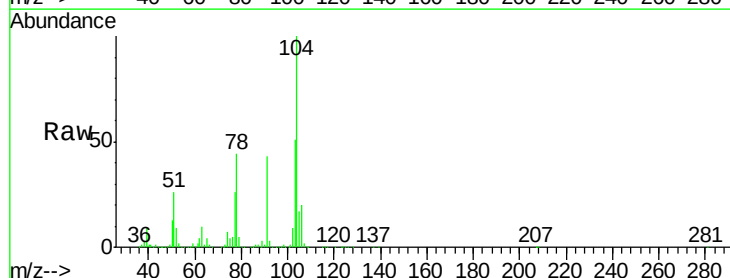
Manual Integrations
APPROVED

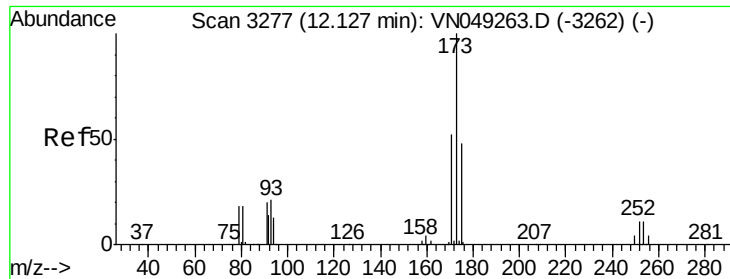
MMDadoda
6/18/2018 3:16:22 PM



#70
Styrene
Concen: 53.51 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion:104 Resp: 2570110
Ion Ratio Lower Upper
104 100
78 49.0 41.6 62.4
103 55.9 45.4 68.2





#71

Bromoform

Concen: 47.21 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 583910

Ion Ratio Lower Upper

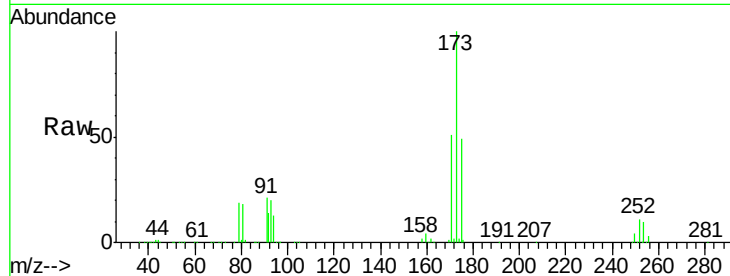
173 100

175 49.3 24.5 73.5

254 0.2 0.1 0.1#

Manual Integrations
APPROVED

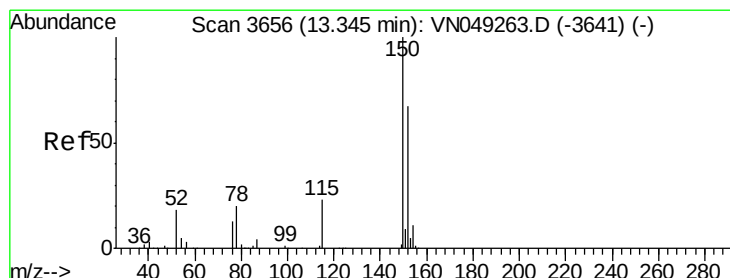
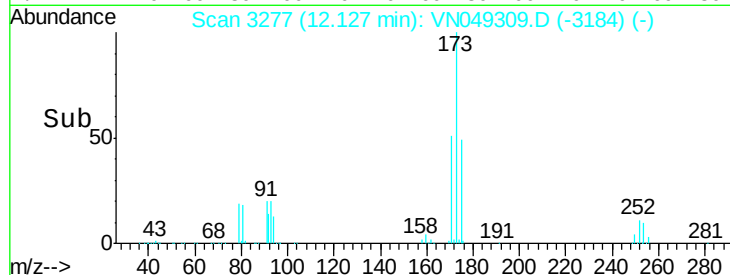
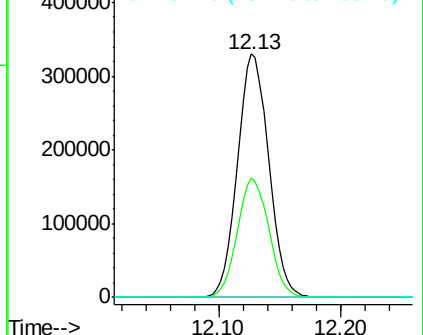
MMDadoda
6/18/2018 3:16:22 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

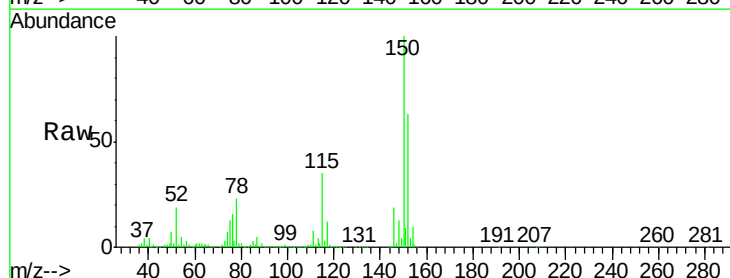
Tgt Ion:152 Resp: 1011335

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.1

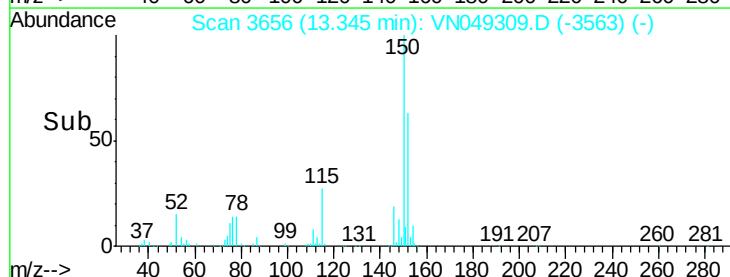
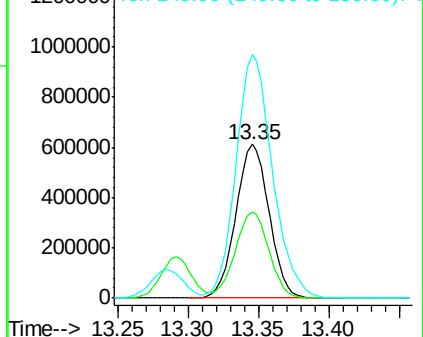
150 173.9 0.0 351.0

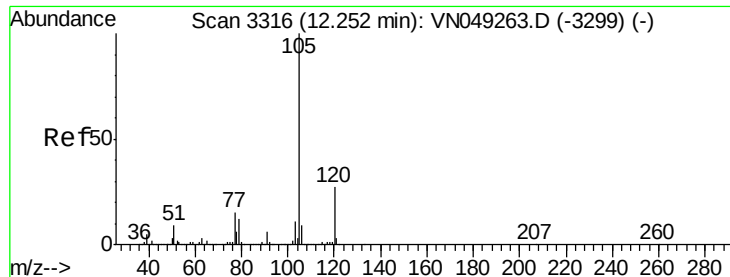


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.54 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4221278

Ion Ratio Lower Upper

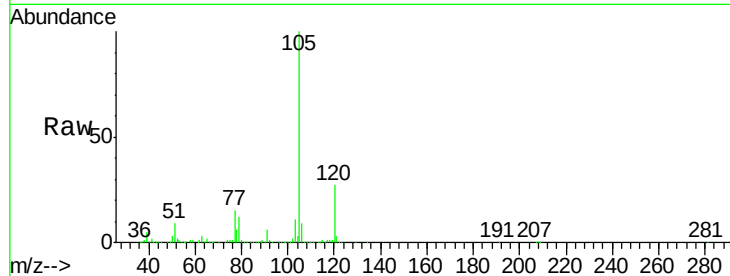
105 100

120 26.5 12.8 38.3

Manual Integrations
APPROVED

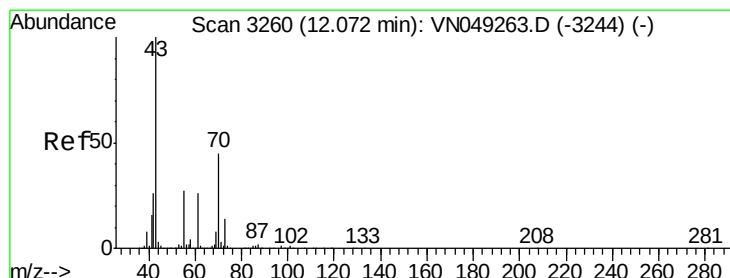
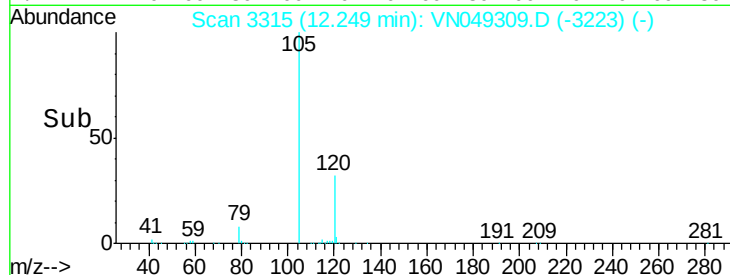
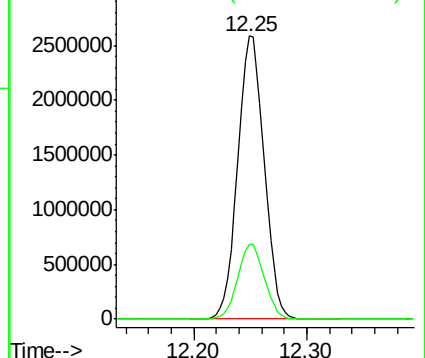
MMDadoda

6/18/2018 3:16:22 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 45.33 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion: 43 Resp: 985995

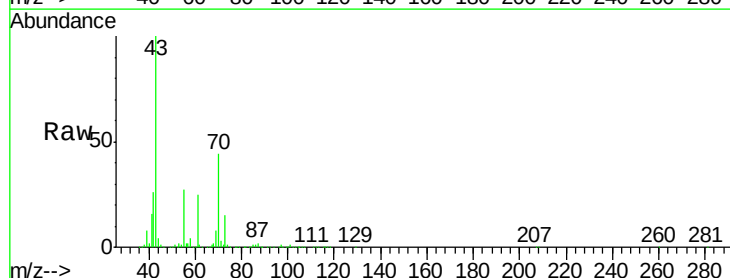
Ion Ratio Lower Upper

43 100

70 43.5 30.3 45.5

55 27.1 19.4 29.2

61 24.6 17.8 26.6

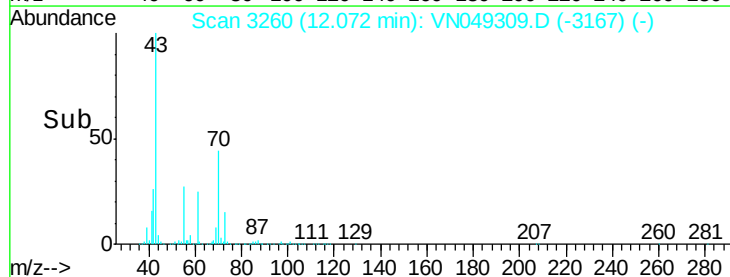
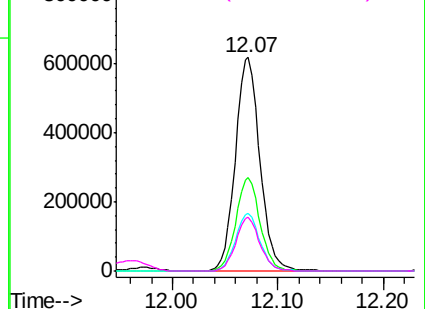


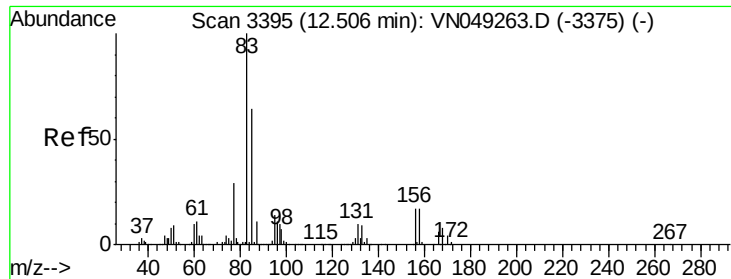
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.17 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

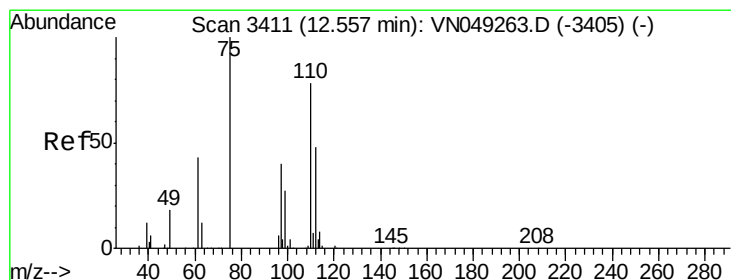
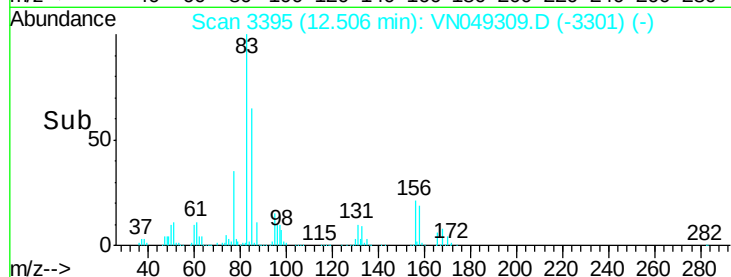
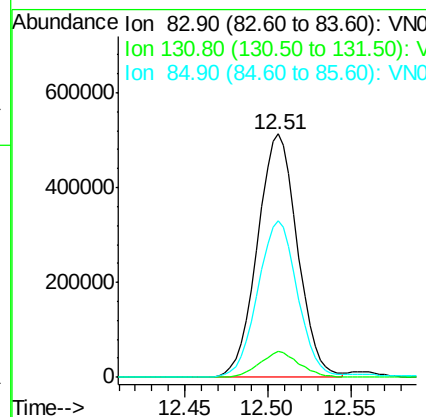
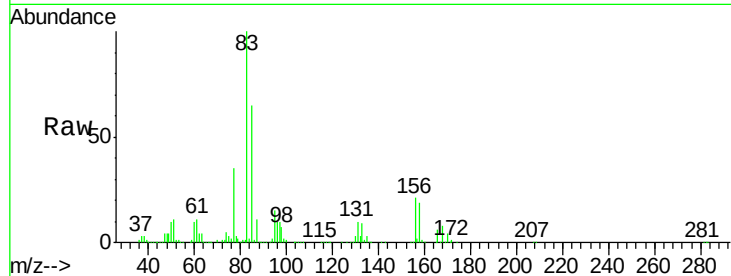
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	863946
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	64.0	32.0	96.0

Manual Integrations
APPROVED

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6/18/2018 3:16:22 PM



#76

1,2,3-Trichloropropane

Concen: 43.72 ug/l m

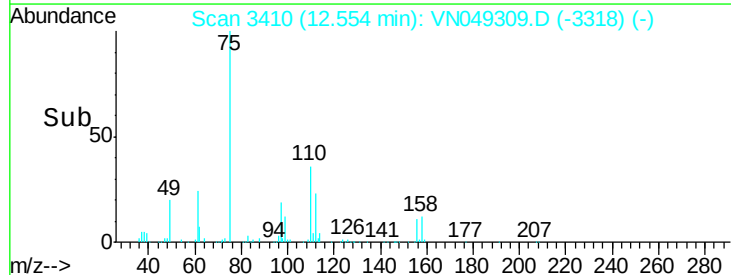
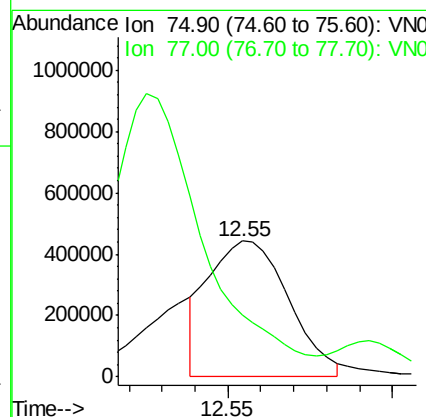
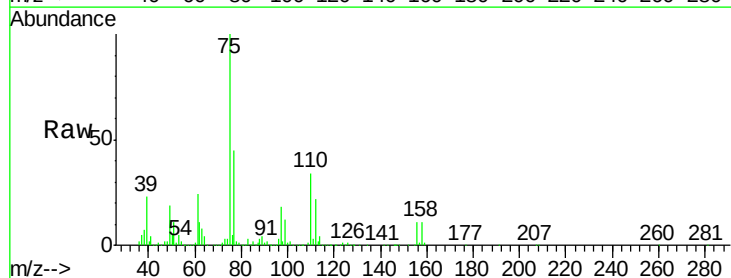
RT: 12.55 min Scan# 3410

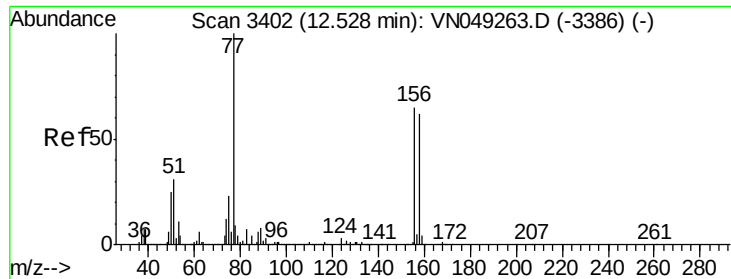
Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion:	75	Resp:	754363
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.14 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1035410

Ion Ratio Lower Upper

156 100

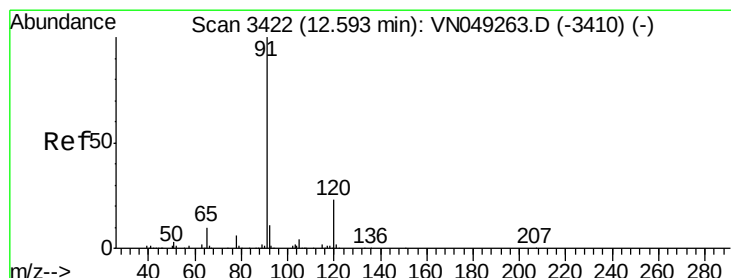
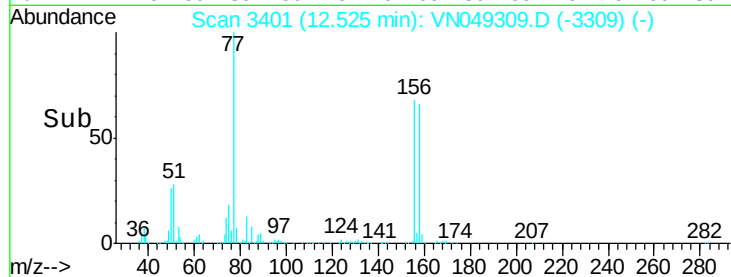
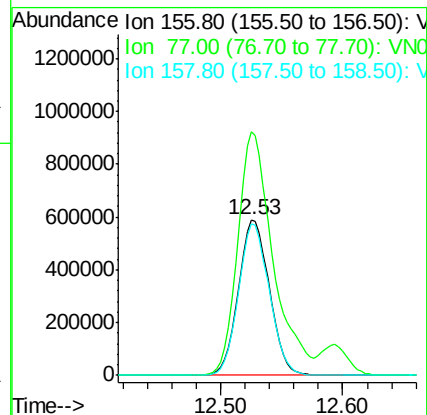
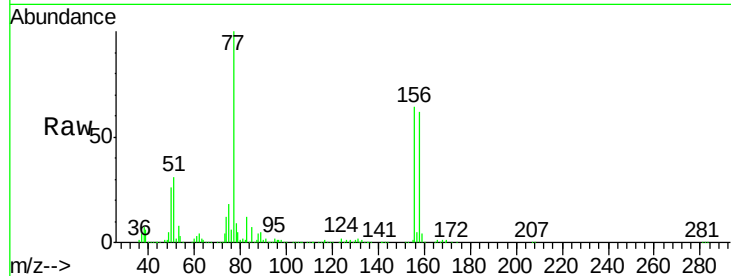
77 179.2 100.8 302.4

158 96.7 49.3 147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 49.27 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049309.D

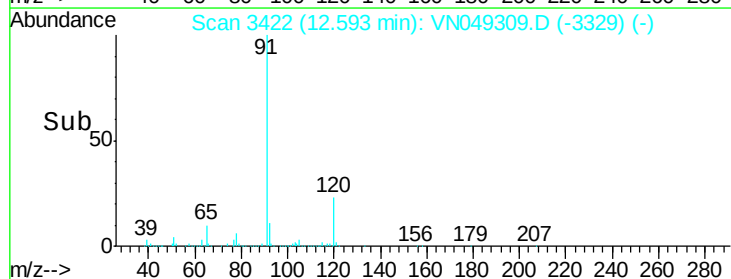
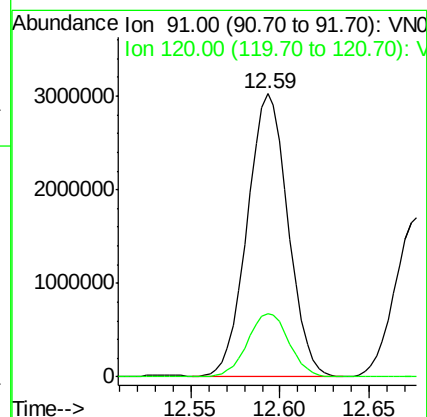
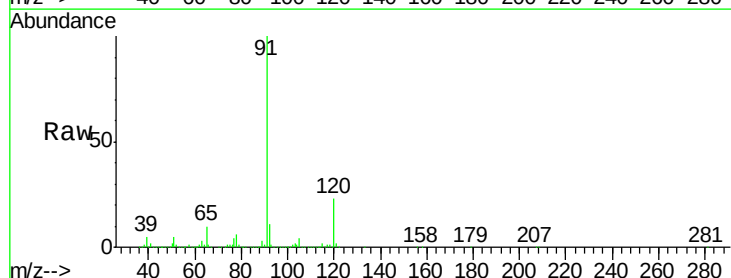
Acq: 16 Jun 2018 14:35

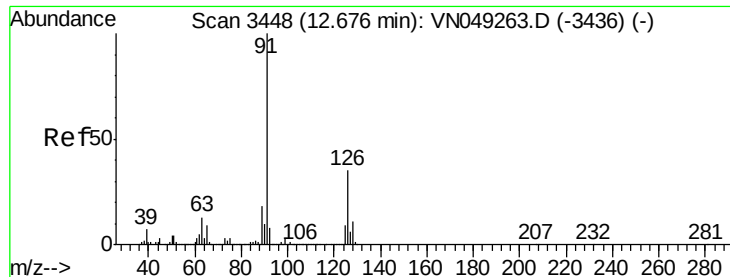
Tgt Ion: 91 Resp: 4803390

Ion Ratio Lower Upper

91 100

120 23.0 11.2 33.5





#79

2-Chlorotoluene

Concen: 46.22 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2855344

Ion Ratio Lower Upper

91 100

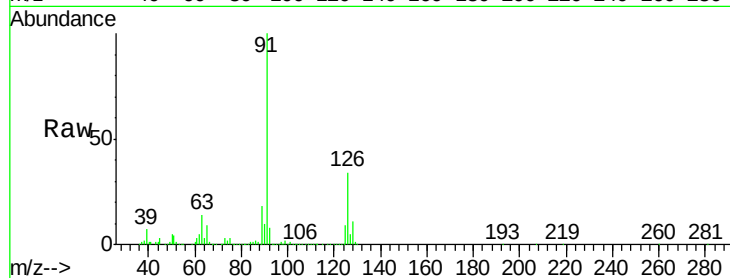
126 34.8 16.6 49.8

Manual Integrations

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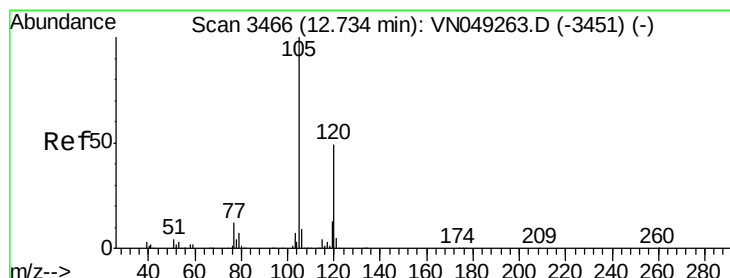
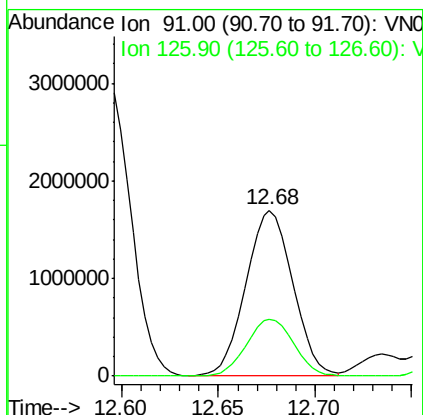
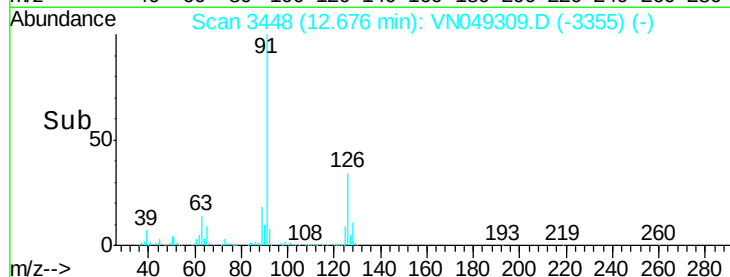
MMDadoda

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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) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.45 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049309.D

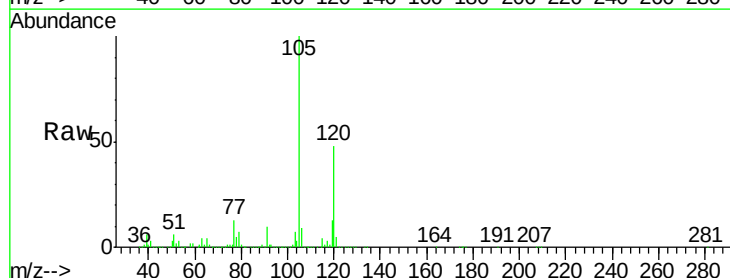
Acq: 16 Jun 2018 14:35

Tgt Ion:105 Resp: 3451165

Ion Ratio Lower Upper

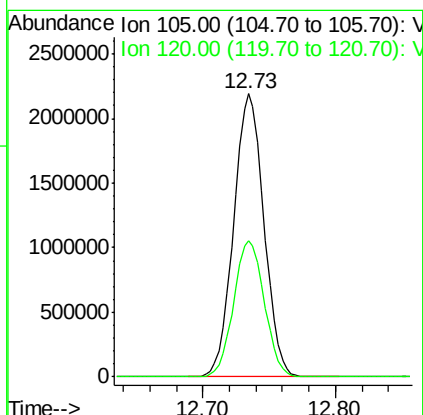
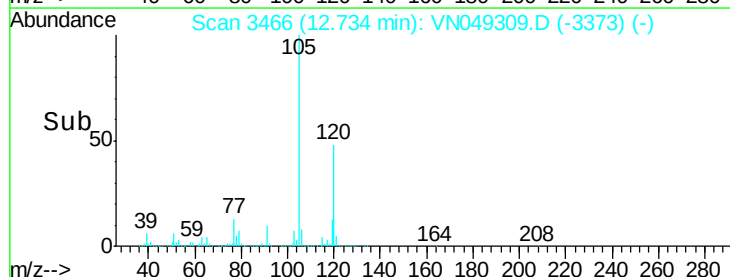
105 100

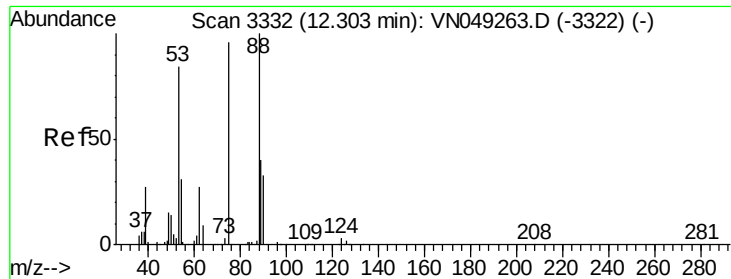
120 48.9 23.5 70.5



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

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





#81

trans-1,4-Dichloro-2-butene

Concen: 37.43 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

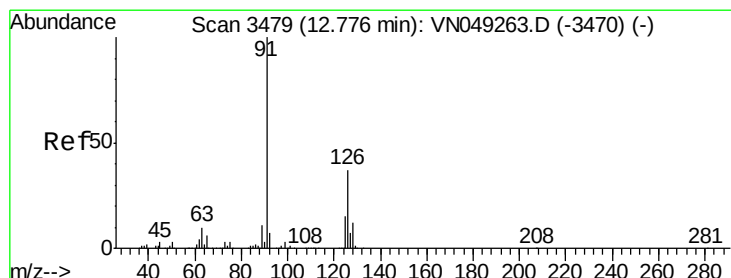
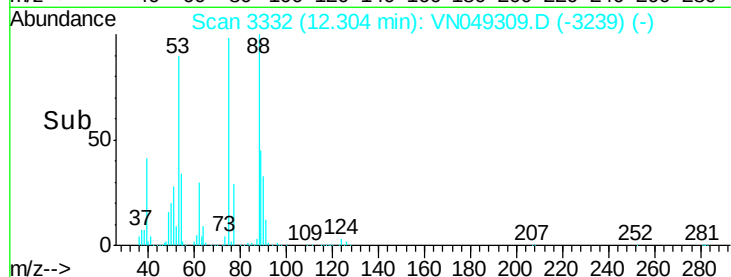
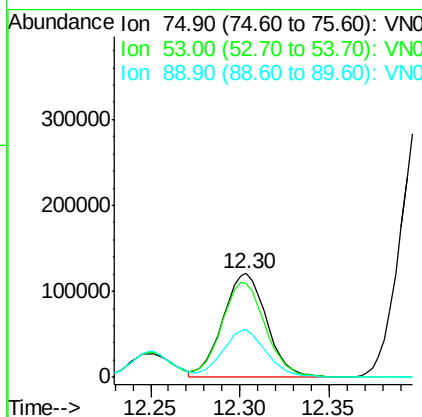
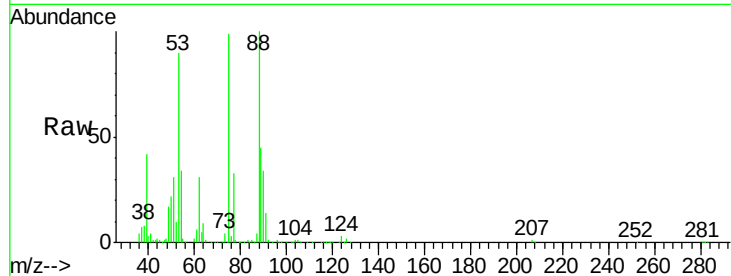
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	204362
Ion Ratio	Lower	Upper	
75	100		
53	92.8	82.7	124.1
89	46.1	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.76 ug/l

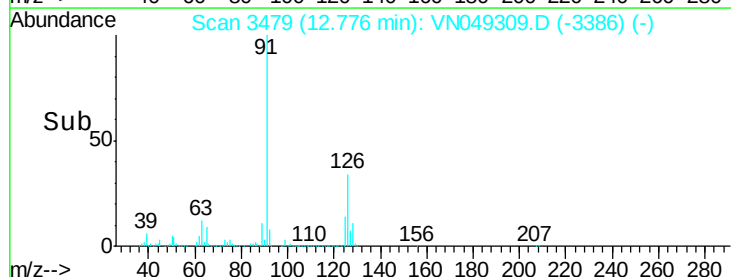
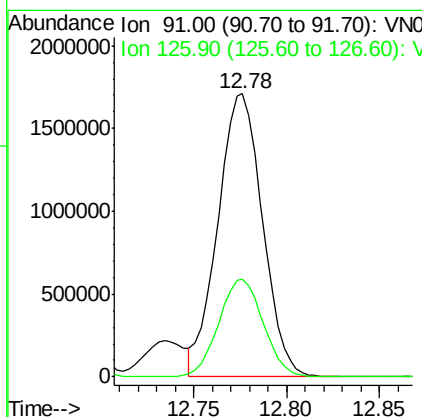
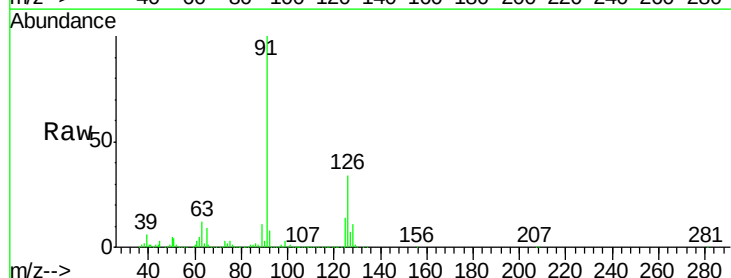
RT: 12.78 min Scan# 3479

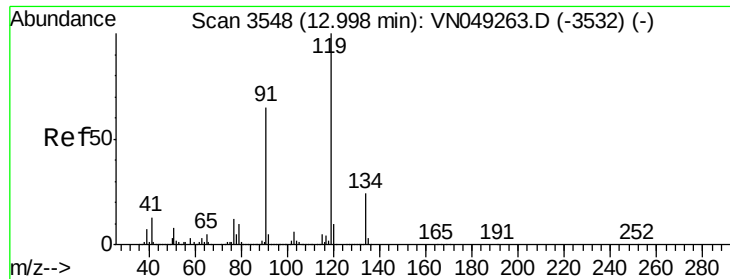
Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Tgt Ion:	91	Resp:	2846173
Ion Ratio	Lower	Upper	
91	100		
126	34.4	16.4	49.1





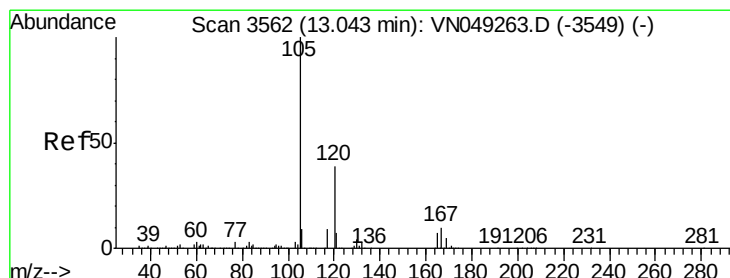
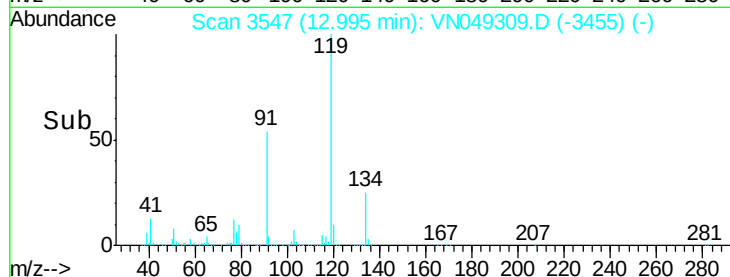
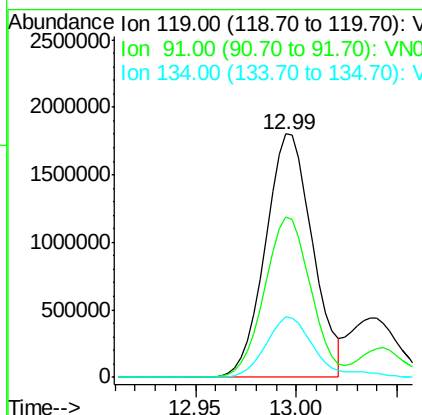
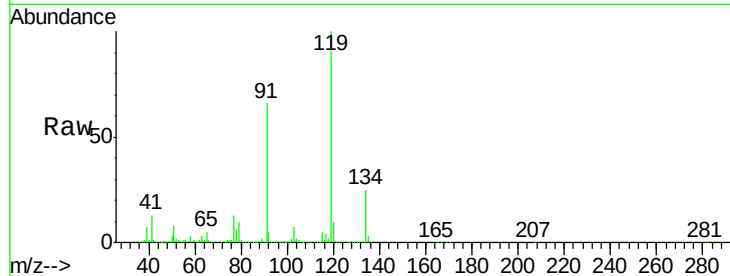
#83
 tert-Butylbenzene
 Concen: 47.27 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2922979
 Ion Ratio Lower Upper
 119 100
 91 64.8 33.7 101.0
 134 25.8 12.9 38.6

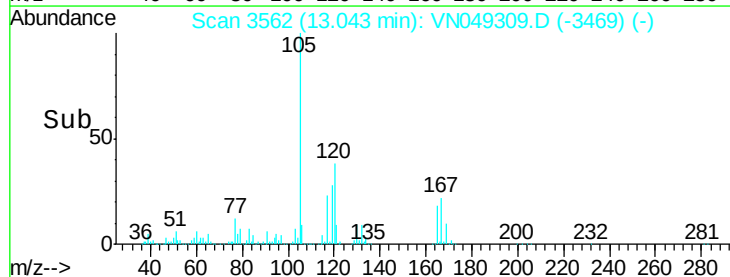
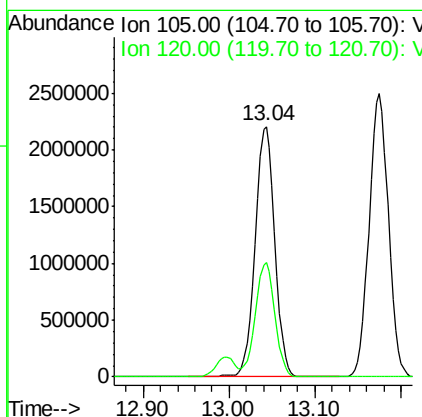
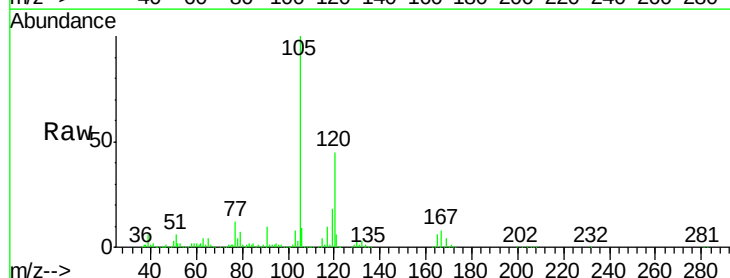
Manual Integrations
 APPROVED

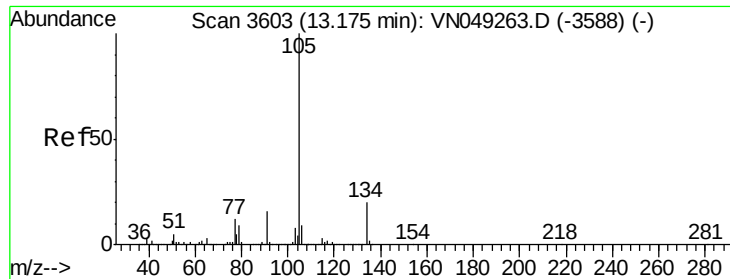
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.46 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion:105 Resp: 3498931
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.61 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 3918273

Ion Ratio Lower Upper

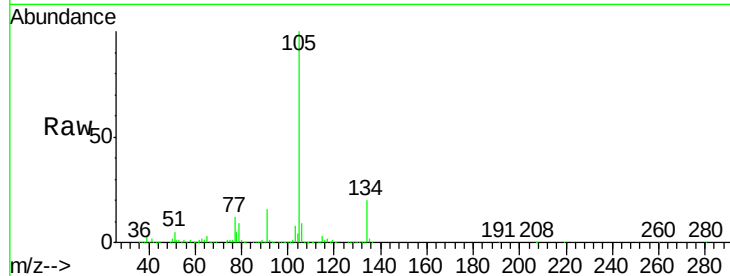
105 100

134 20.1 9.8 29.3

Manual Integrations
APPROVED

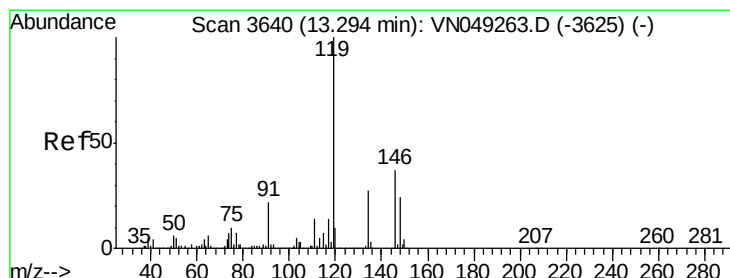
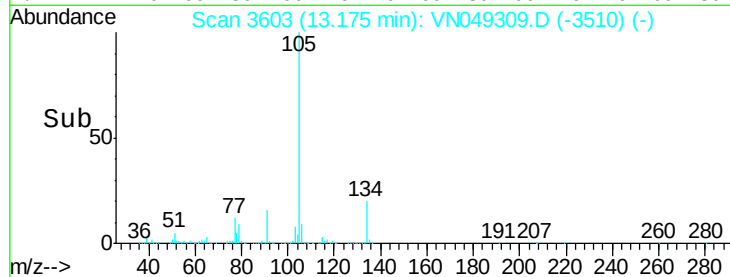
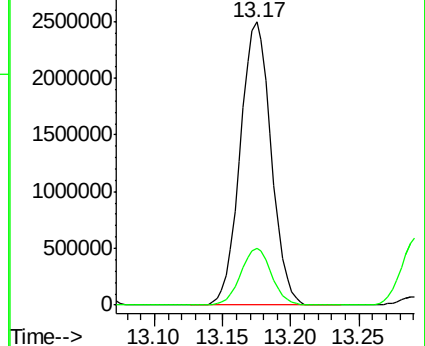
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.78 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049309.D

Acq: 16 Jun 2018 14:35

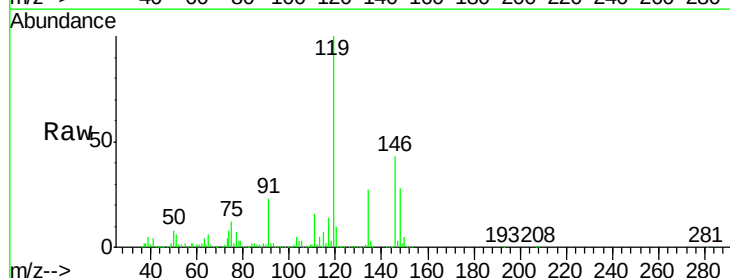
Tgt Ion:119 Resp: 3353855

Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.6

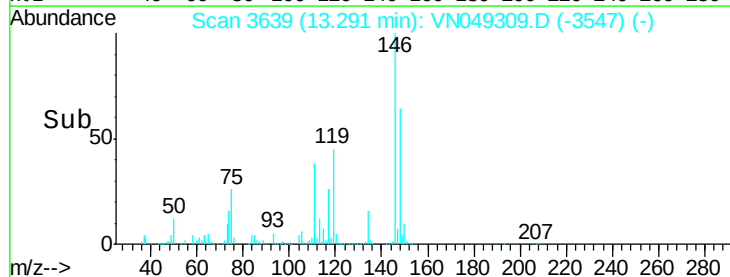
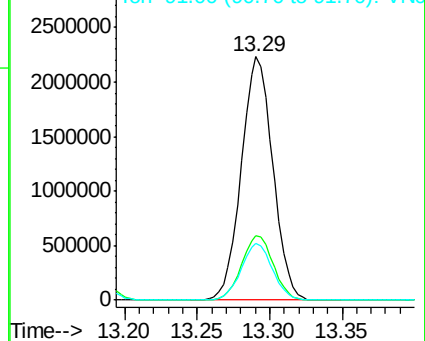
91 23.0 12.1 36.3

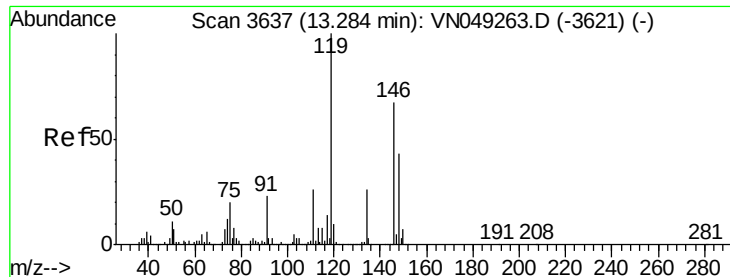


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





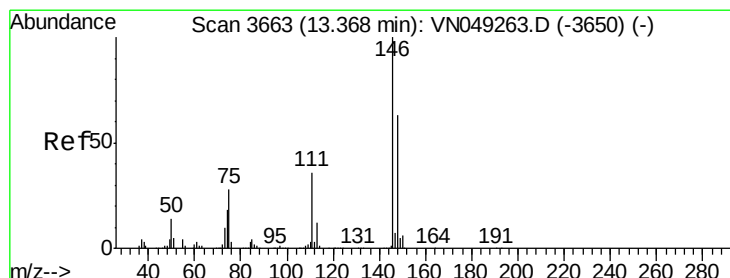
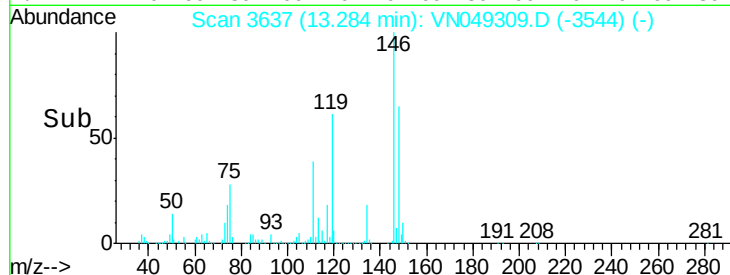
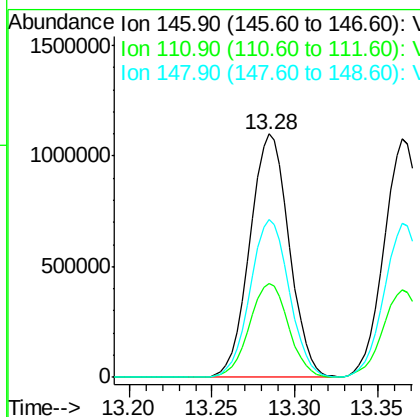
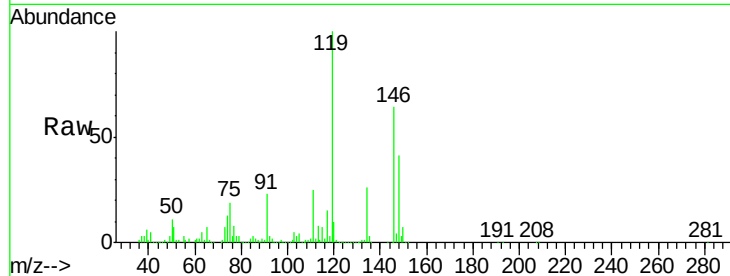
#87
 1,3-Dichlorobenzene
 Concen: 47.07 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	64.4	32.1	96.5

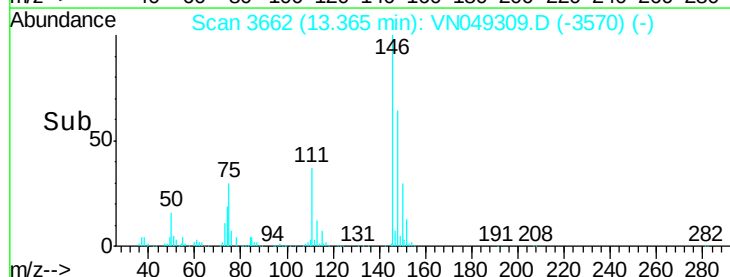
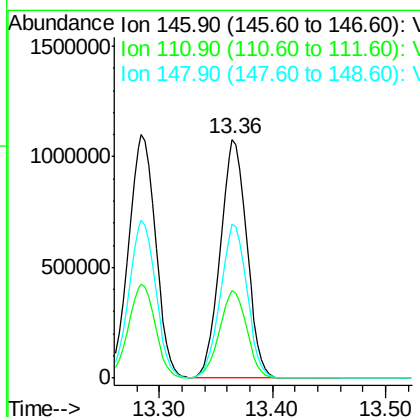
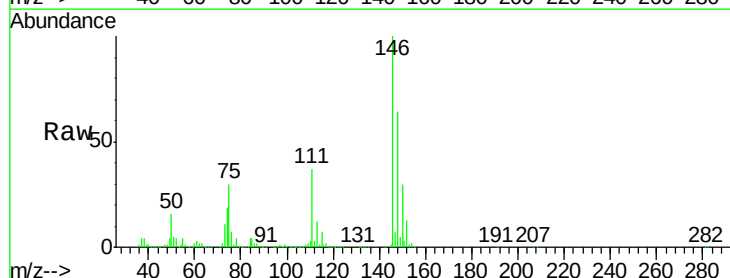
Manual Integrations
 APPROVED

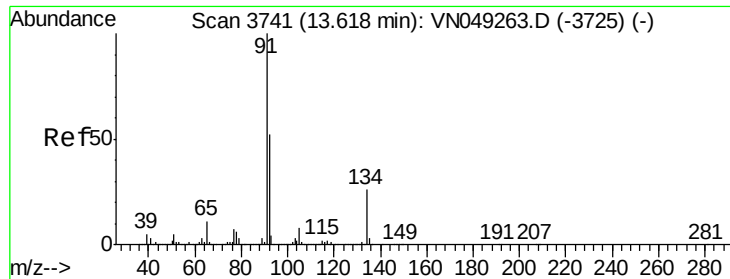
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#88
 1,4-Dichlorobenzene
 Concen: 46.12 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.1	57.1
148	64.6	32.0	96.2





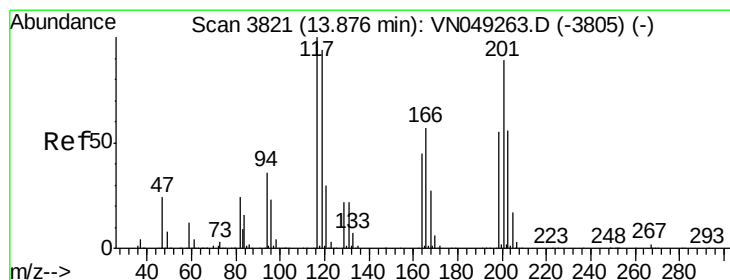
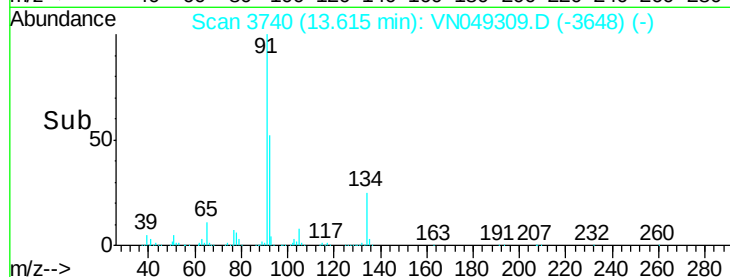
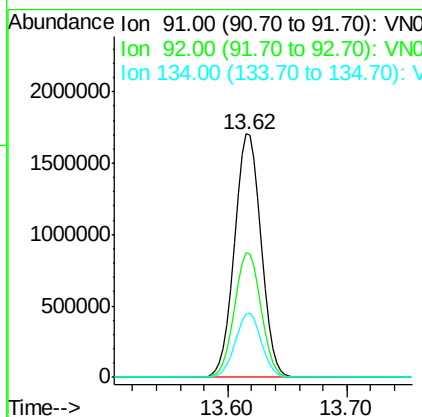
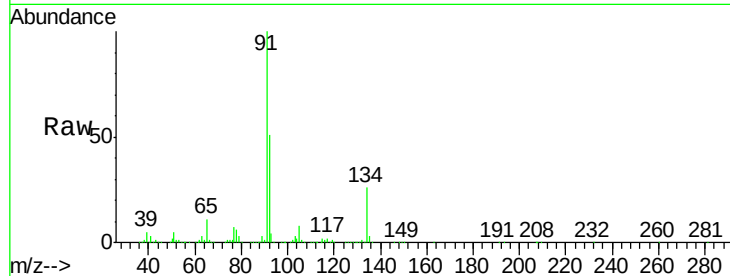
#89
n-Butylbenzene
Concen: 49.13 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	25.1	75.4
134	25.9	12.0	36.0

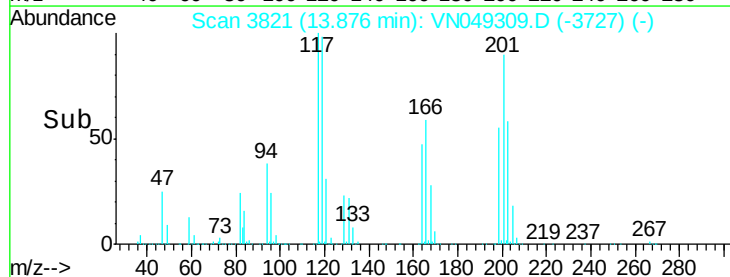
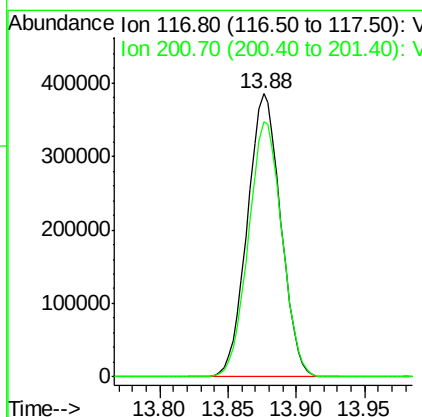
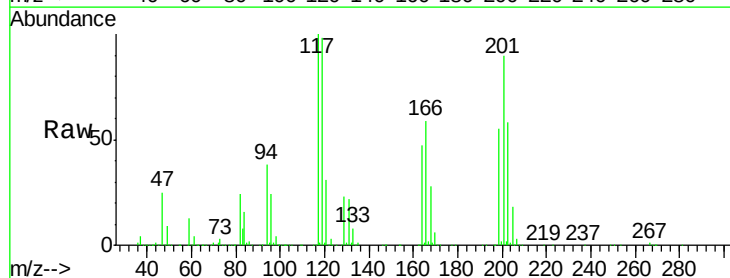
Manual Integrations
APPROVED

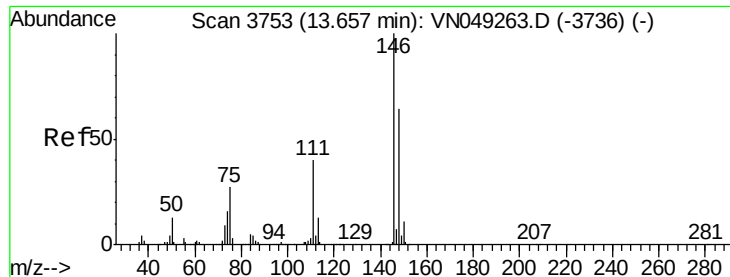
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#90
Hexachloroethane
Concen: 50.32 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	40.1	120.2





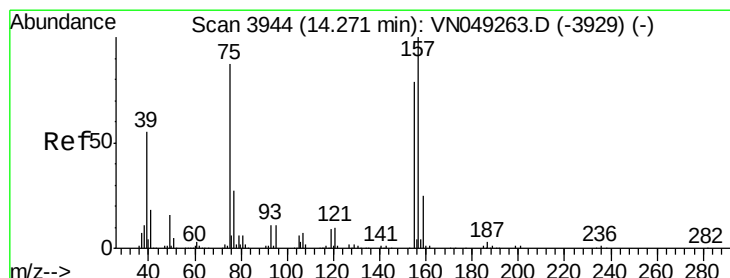
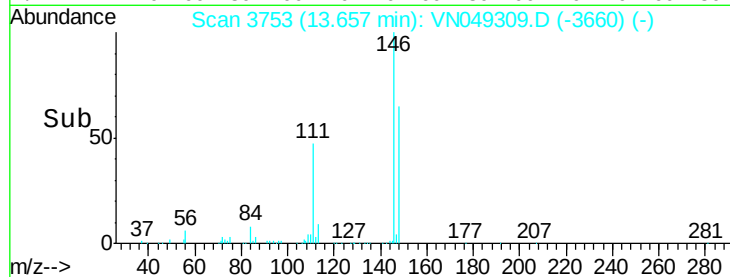
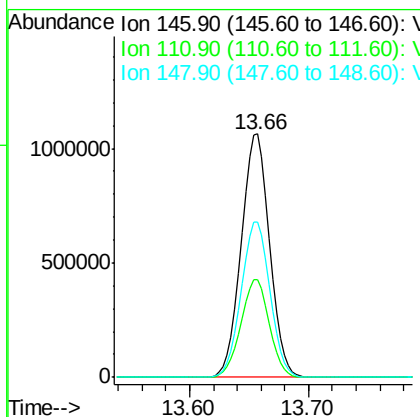
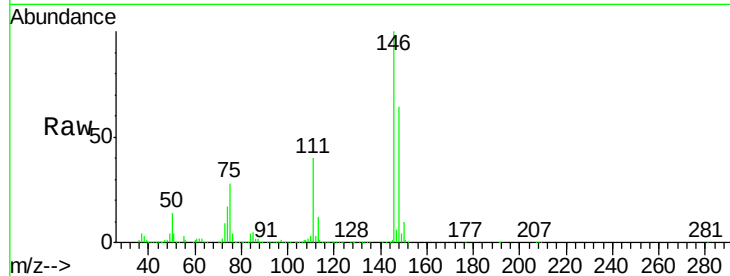
#91
 1,2-Dichlorobenzene
 Concen: 46.40 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.7	32.0	96.2

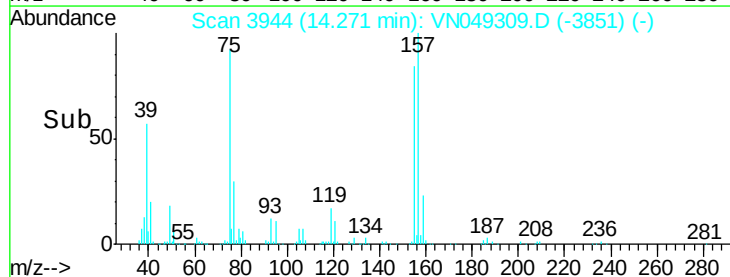
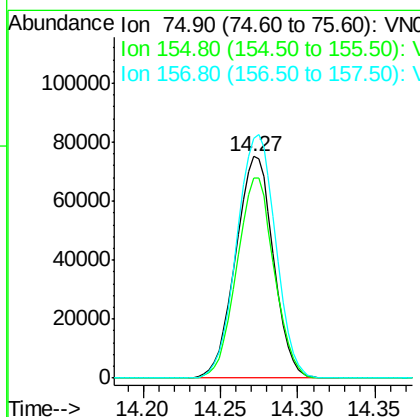
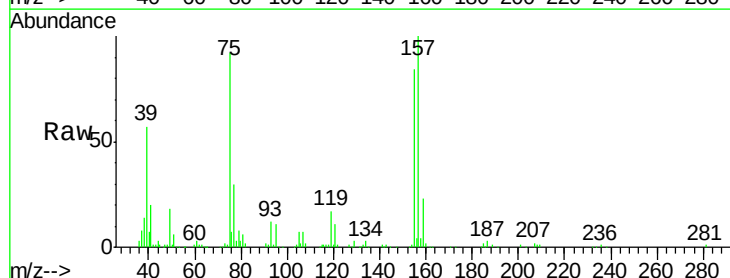
Manual Integrations
 APPROVED

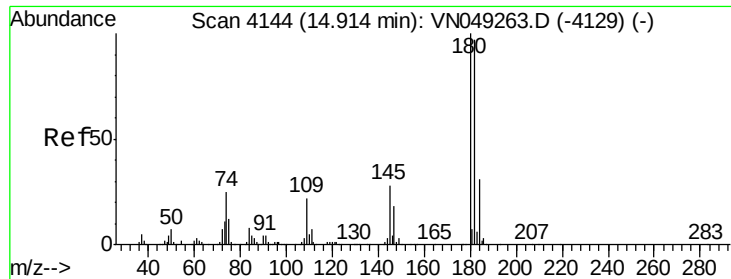
MMDadoda
 6/18/2018 3:16:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.20 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	38.8	116.3
157	113.3	51.0	153.1





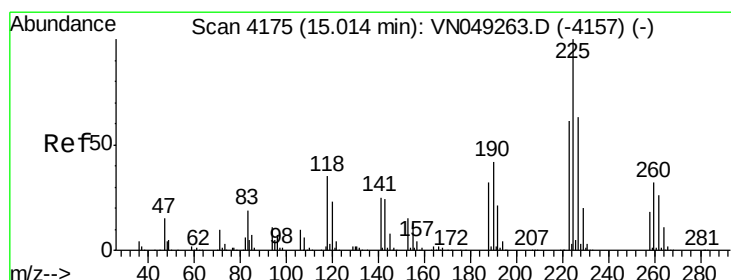
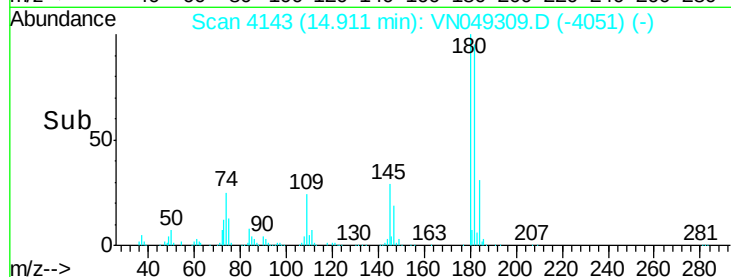
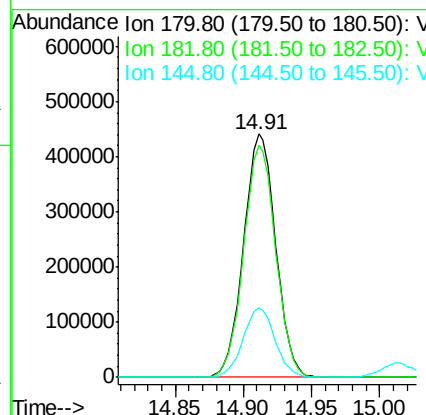
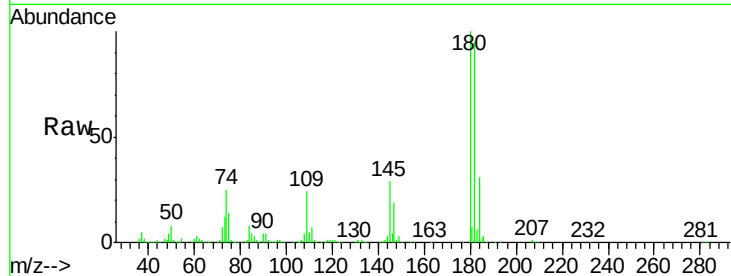
#93
 1,2,4-Trichlorobenzene
 Concen: 42.24 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	718472		
182	95.3	46.9	140.8	
145	28.6	14.7	44.1	

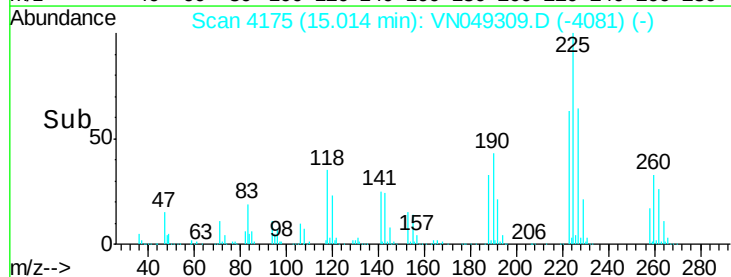
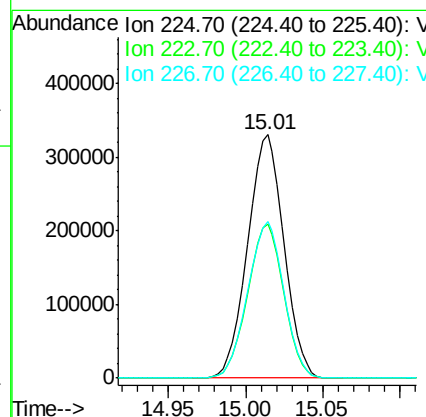
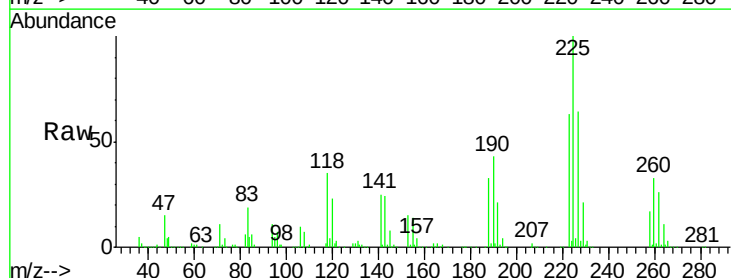
Manual Integrations
 APPROVED

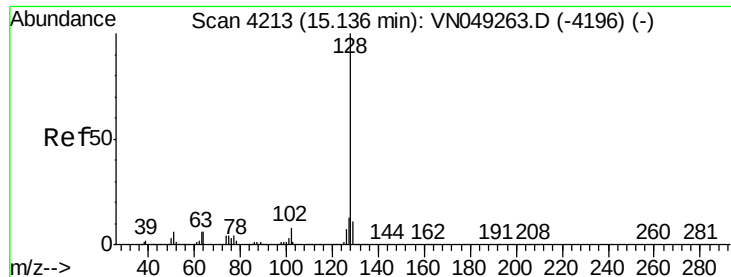
MMDadoda
 6/18/2018 3:16:22 PM



#94
 Hexachlorobutadiene
 Concen: 48.78 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049309.D
 Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	540659		
223	62.8	32.1	96.3	
227	64.0	31.8	95.3	





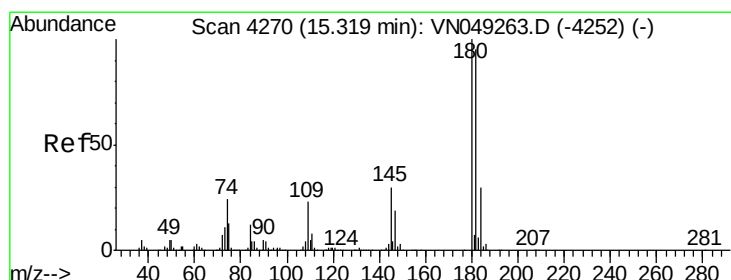
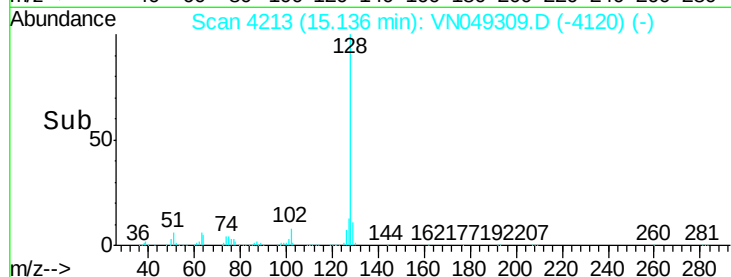
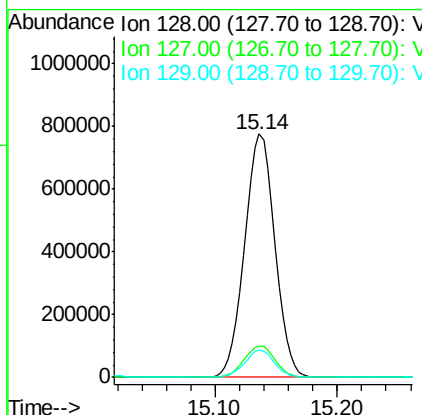
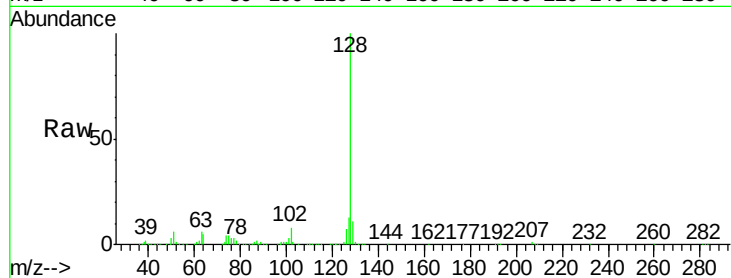
#95
Naphthalene
Concen: 43.94 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 43.17 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049309.D
Acq: 16 Jun 2018 14:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.3	141.8
145	30.5	15.6	46.7

