

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080118\
 Data File : VN050233.D
 Acq On : 1 Aug 2018 8:09
 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
 8/2/2018 9:53:36 AM

Quant Time: Aug 02 00:58:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	658598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	931453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	865904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	477037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424531	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
35) Dibromofluoromethane	7.59	113	384333	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
50) Toluene-d8	10.09	98	1432410	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.40	95	501384	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	433704	45.832	ug/l	99
3) Chloromethane	2.06	50	446018	43.360	ug/l	99
4) Vinyl Chloride	2.18	62	455332	42.034	ug/l	99
5) Bromomethane	2.55	94	231577	38.264	ug/l	98
6) Chloroethane	2.70	64	269457	41.420	ug/l	100
7) Trichlorofluoromethane	3.01	101	610224	43.486	ug/l	100
8) Diethyl Ether	3.41	74	209841	44.855	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	386027	45.746	ug/l	99
10) Methyl Iodide	3.95	142	269264	24.862	ug/l	99
11) Tert butyl alcohol	4.79	59	145020	214.492	ug/l	100
12) 1,1-Dichloroethene	3.73	96	331113	43.621	ug/l	97
13) Acrolein	3.61	56	65696	120.939	ug/l	98
14) Allyl chloride	4.32	41	539322	45.821	ug/l	99
15) Acrylonitrile	4.99	53	675950	229.153	ug/l	98
16) Acetone	3.82	43	580586	268.560	ug/l	99
17) Carbon Disulfide	4.05	76	928293	39.919	ug/l	100
18) Methyl Acetate	4.33	43	451082	53.702	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	954636	47.192	ug/l	99
20) Methylene Chloride	4.55	84	396750	48.663	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	361167	44.903	ug/l	99
22) Diisopropyl ether	5.95	45	1167143	50.010	ug/l	99
23) Vinyl Acetate	5.90	43	3796951	230.219	ug/l	99
24) 1,1-Dichloroethane	5.85	63	688161	45.092	ug/l	99
25) 2-Butanone	6.84	43	843489	240.658	ug/l	99
26) 2,2-Dichloropropane	6.82	77	579530	49.917	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	406708	46.973	ug/l	98
28) Bromochloromethane	7.20	49	325596	46.776	ug/l	100
29) Tetrahydrofuran	7.21	42	510779	225.525	ug/l	99
30) Chloroform	7.37	83	703273	45.159	ug/l	99
31) Cyclohexane	7.65	56	570203	45.046	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	601808	45.176	ug/l	100
36) 1,1-Dichloropropene	7.79	75	524344	49.966	ug/l	99
37) Ethyl Acetate	6.93	43	336736	46.024	ug/l	99
38) Carbon Tetrachloride	7.77	117	534966	48.043	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	562136	52.070	ug/l	98
40) Benzene	8.04	78	1574448	49.304	ug/l	99
41) Methacrylonitrile	7.17	41	153019	40.696	ug/l	97
42) 1,2-Dichloroethane	8.12	62	503280	47.241	ug/l	100
43) Isopropyl Acetate	8.17	43	636562	46.079	ug/l	99
44) Trichloroethene	8.84	130	411065	47.906	ug/l	100
45) 1,2-Dichloropropane	9.12	63	421463	49.830	ug/l	100
46) Dibromomethane	9.21	93	255795	48.705	ug/l	99
47) Bromodichloromethane	9.40	83	548083	49.446	ug/l	98
48) Methyl methacrylate	9.20	41	312919	49.660	ug/l	98
49) 1,4-Dioxane	9.20	88	88900	1036.700	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1804602	250.899	ug/l	100
52) Toluene	10.16	92	985328	52.273	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	559607	53.502	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	628859	52.607	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	372049	49.761	ug/l	99
56) Ethyl methacrylate	10.43	69	472439	46.782	ug/l	98
57) 1,3-Dichloropropane	10.71	76	615268	50.535	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1029273	218.629	ug/l	100
59) 2-Hexanone	10.75	43	1285646	243.395	ug/l	99
60) Dibromochloromethane	10.90	129	426312	51.500	ug/l	100
61) 1,2-Dibromoethane	11.01	107	366975	49.469	ug/l	99
64) Tetrachloroethene	10.63	164	385598	46.318	ug/l	99
65) Chlorobenzene	11.43	112	1083750	49.548	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	413951	49.256	ug/l	100
67) Ethyl Benzene	11.51	91	1872671	53.299	ug/l	100
68) m/p-Xylenes	11.62	106	1454312	109.431	ug/l	100
69) o-Xylene	11.95	106	691177	54.557	ug/l	100
70) Styrene	11.97	104	1147162	50.896	ug/l	100
71) Bromoform	12.13	173	303788	49.692	ug/l #	99
73) Isopropylbenzene	12.25	105	1868115	50.494	ug/l	100
74) N-amyl acetate	12.07	43	534002	47.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	490361	49.611	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	409266m	46.164	ug/l	
77) Bromobenzene	12.53	156	485527	47.351	ug/l	99
78) n-propylbenzene	12.59	91	2199025	53.177	ug/l	100
79) 2-Chlorotoluene	12.68	91	1292456	50.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1556405	53.482	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	137092	49.048	ug/l	98
82) 4-Chlorotoluene	12.77	91	1321966	52.083	ug/l	99
83) tert-Butylbenzene	12.99	119	1349334	53.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1584719	54.026	ug/l	100
85) sec-Butylbenzene	13.17	105	1823989	53.752	ug/l	100
86) p-Isopropyltoluene	13.29	119	1598744	55.914	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	862821	49.637	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	840375	49.602	ug/l	99
89) n-Butylbenzene	13.62	91	1313147	55.849	ug/l	99
90) Hexachloroethane	13.88	117	297803	46.906	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	839527	48.314	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74246	44.958	ug/l	97

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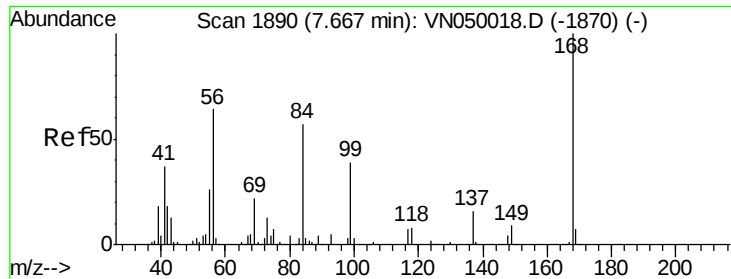
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	422891	46.144	ug/l	97
94) Hexachlorobutadiene	15.01	225	267450	50.277	ug/l	98
95) Naphthalene	15.14	128	892507	41.765	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	421379	47.082	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 658598

Ion Ratio Lower Upper

168 100

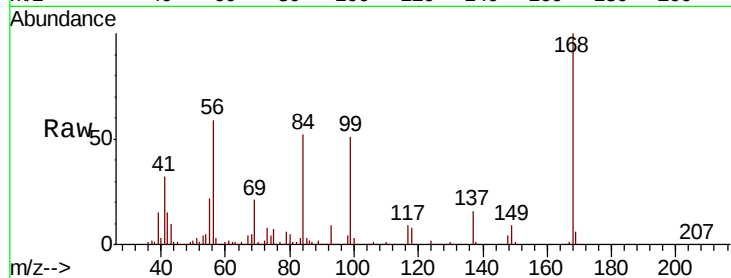
99 50.5 40.0 60.0

Manual Integrations

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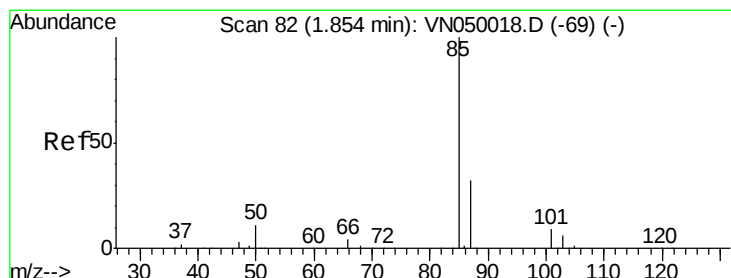
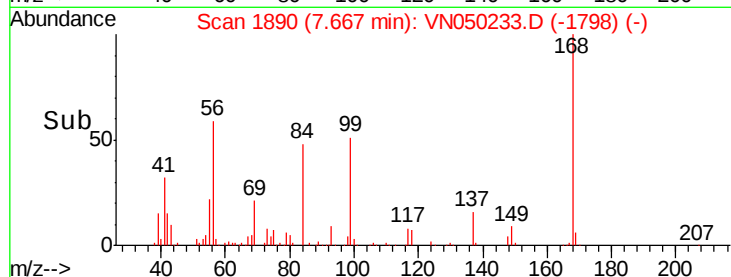
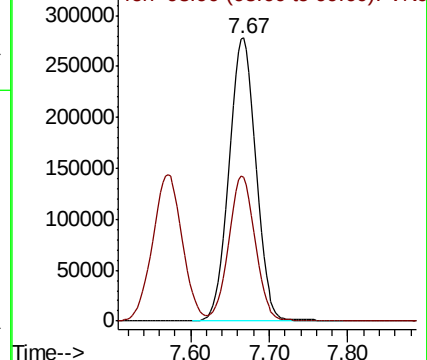
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 45.832 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050233.D

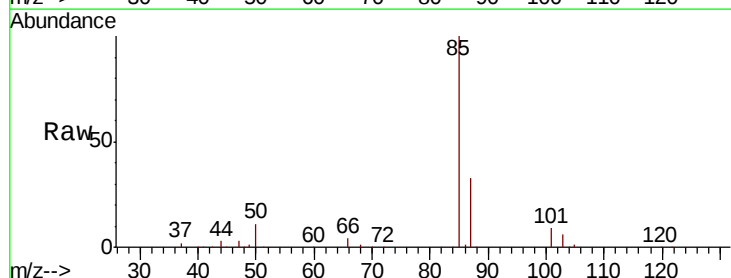
Acq: 1 Aug 2018 8:09

Tgt Ion: 85 Resp: 433704

Ion Ratio Lower Upper

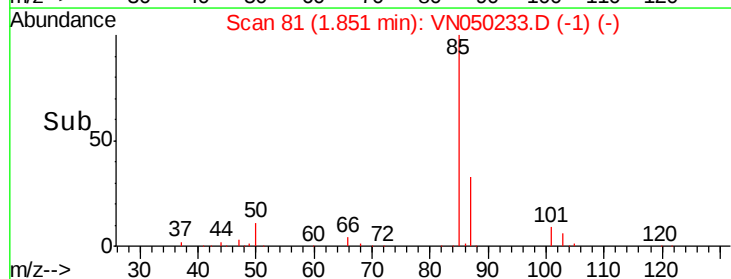
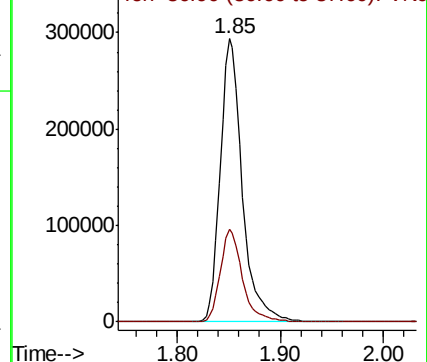
85 100

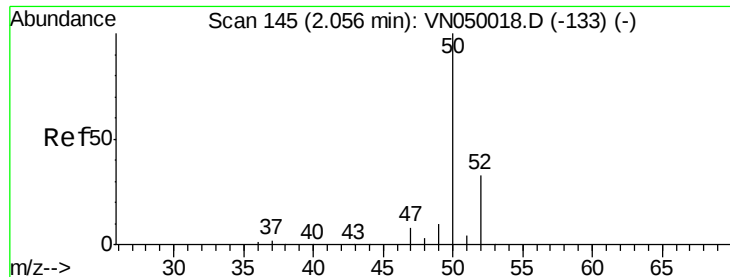
87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 43.360 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 446018

Ion Ratio Lower Upper

50 100

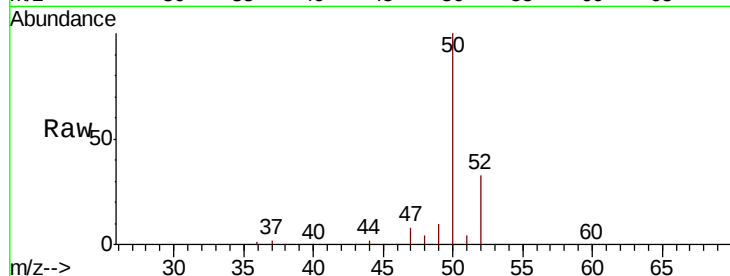
52 32.9 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN050233.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050233.D (-52) (-)

2.06

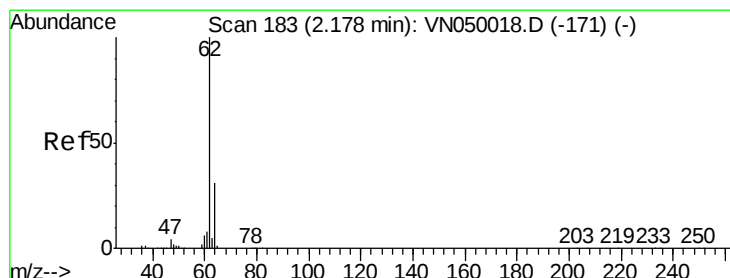
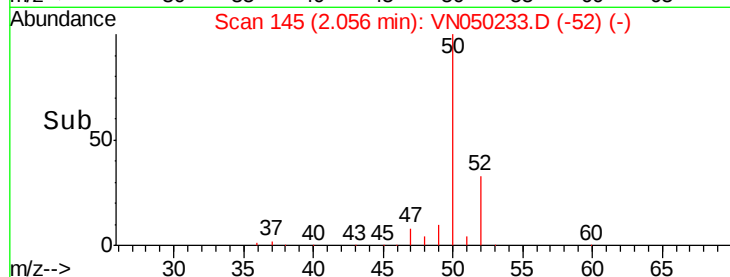
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 42.034 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050233.D

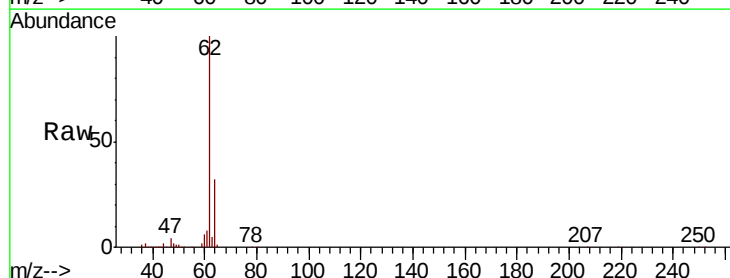
Acq: 1 Aug 2018 8:09

Tgt Ion: 62 Resp: 455332

Ion Ratio Lower Upper

62 100

64 31.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050233.D (-90) (-)

Ion 63.90 (63.60 to 64.60): VN050233.D (-90) (-)

2.18

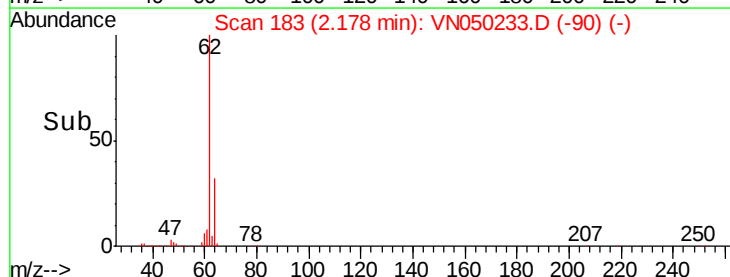
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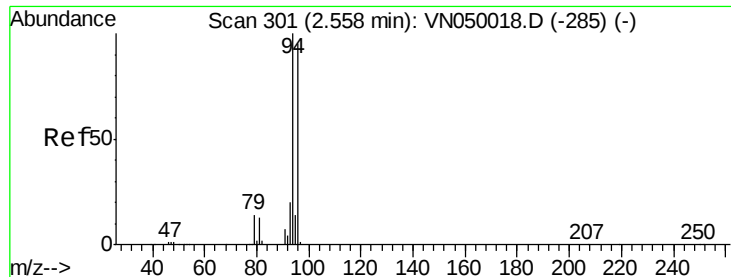
200000

100000

0

Time-->





#5

Bromomethane

Concen: 38.264 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 231577

Ion Ratio Lower Upper

94 100

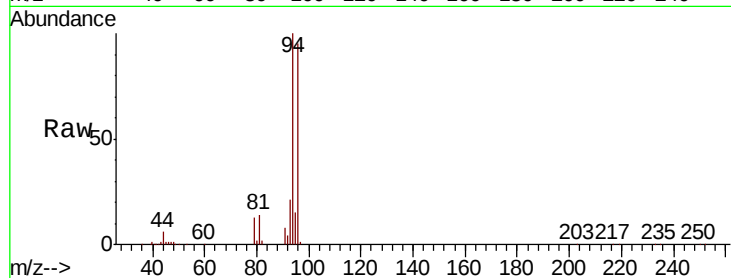
96 94.7 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

120000

100000

80000

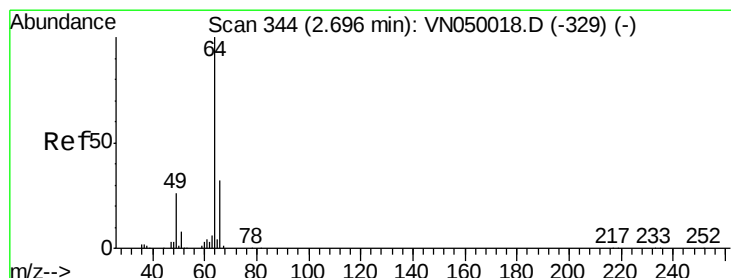
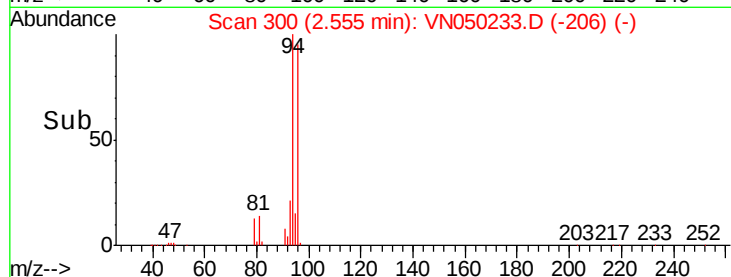
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.420 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050233.D

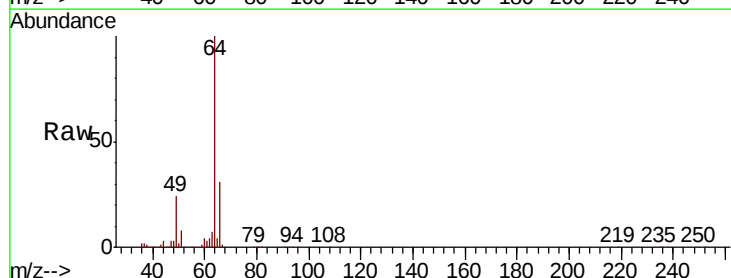
Acq: 1 Aug 2018 8:09

Tgt Ion: 64 Resp: 269457

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

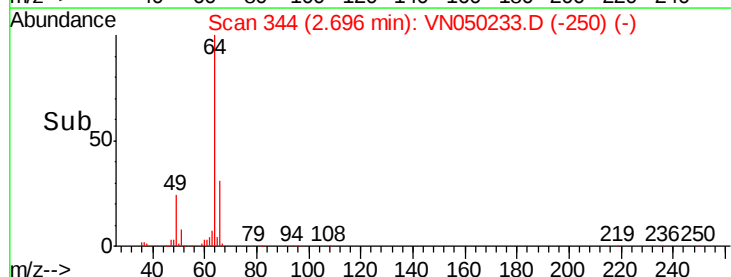
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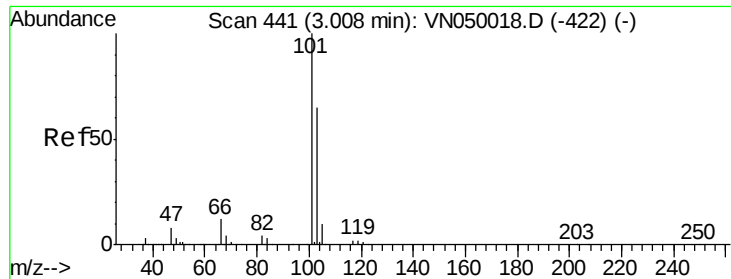
100000

50000

0

Time-->





#7

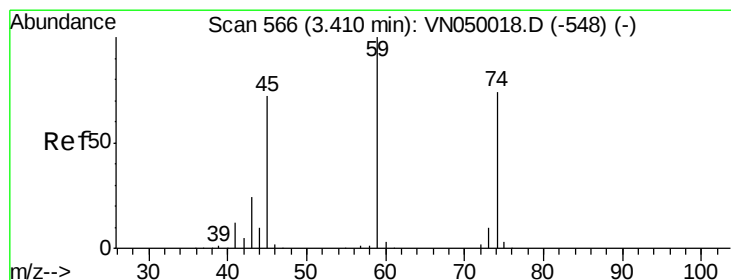
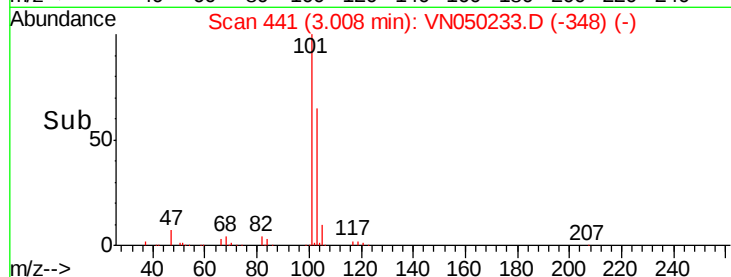
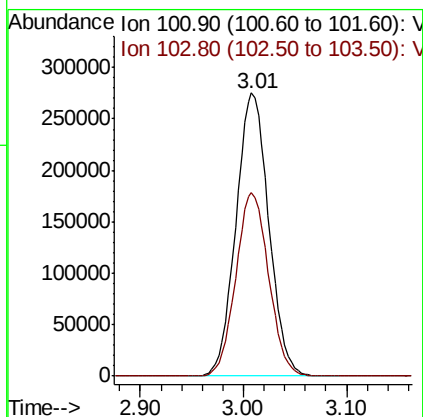
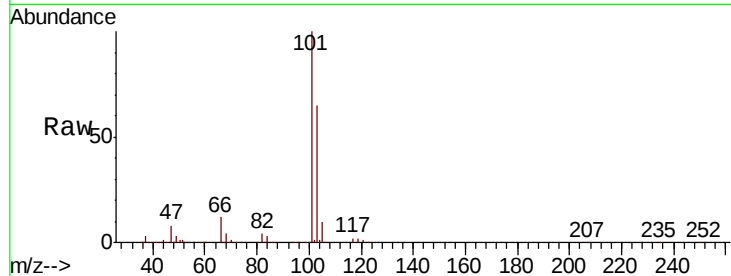
Trichlorofluoromethane
Concen: 43.486 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.7	77.5

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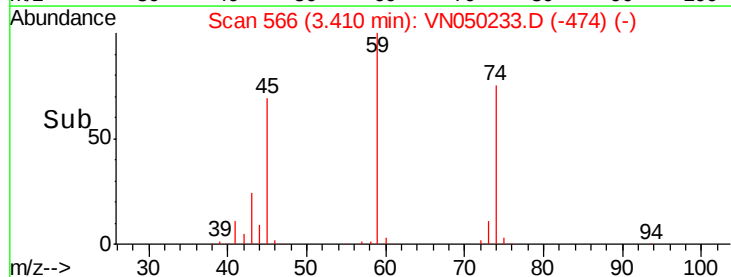
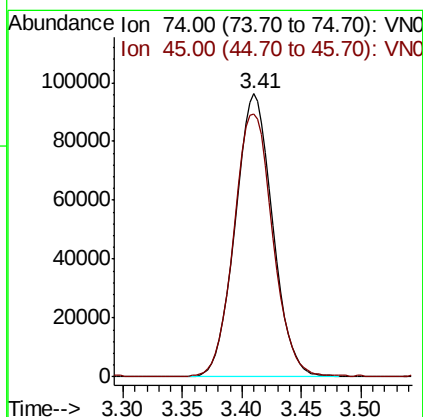
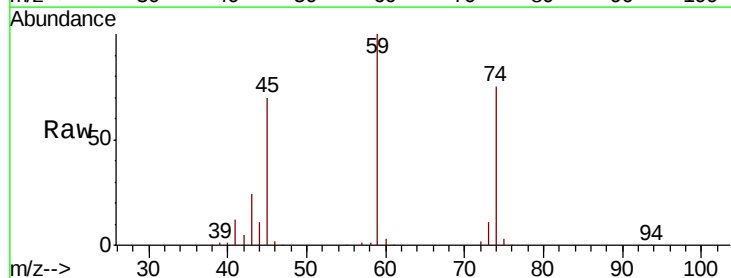
MMDadoda
8/2/2018 9:53:36 AM

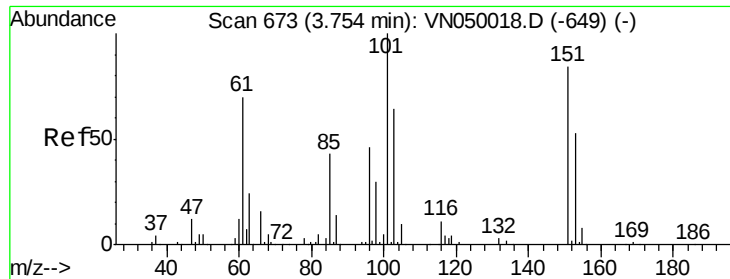


#8

Diethyl Ether
Concen: 44.855 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.746 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

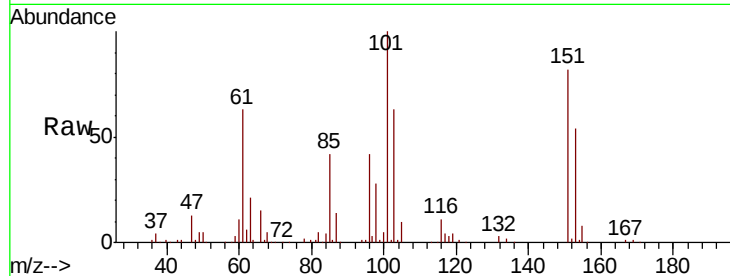
ClientSampleId :

VSTDCCC050

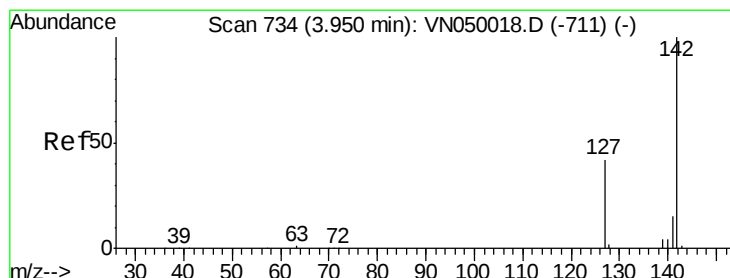
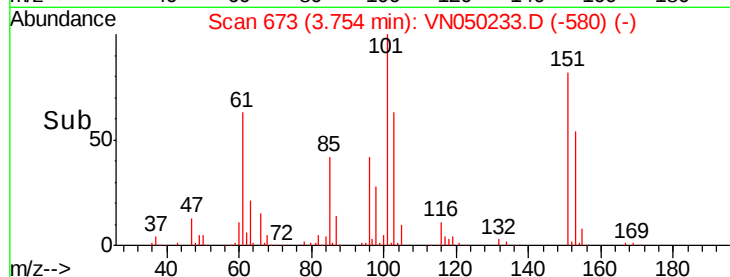
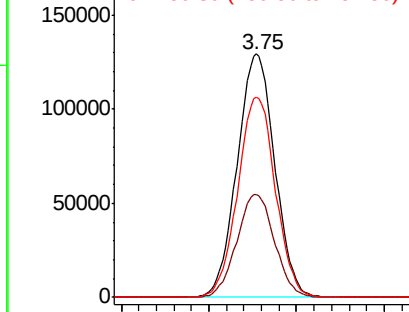
Tot Ion:	101	Resp:	386027
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.2	51.2
151	82.1	66.3	99.5

Manual Integrations
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8/2/2018 9:53:36 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.862 ug/l

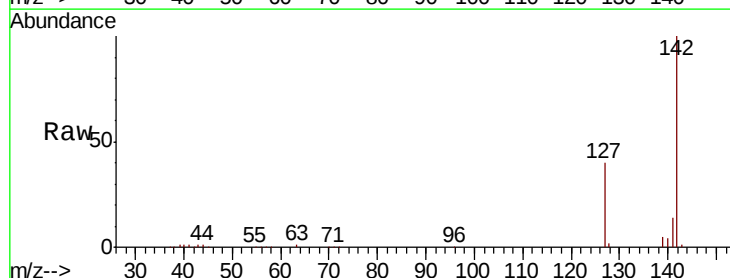
RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

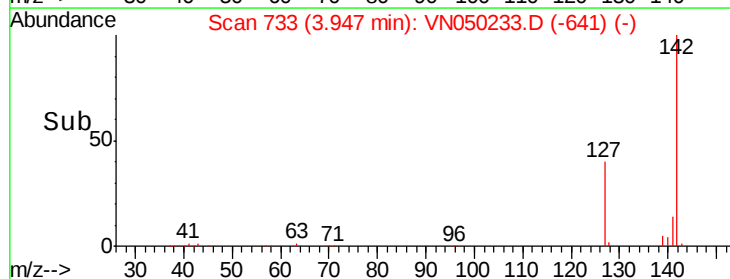
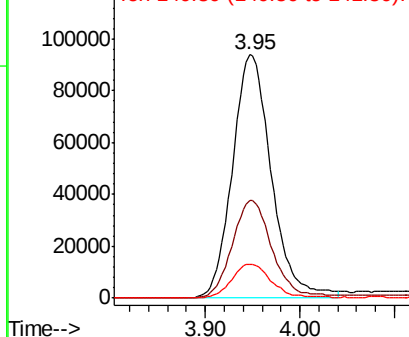
Lab File: VN050233.D

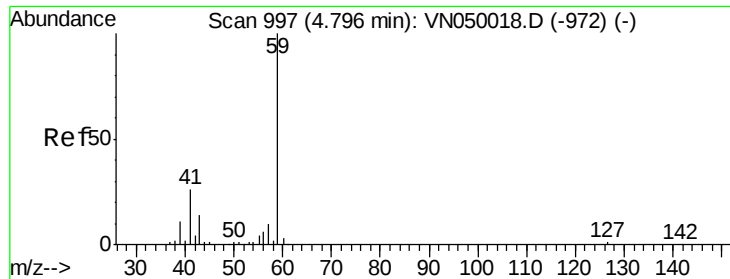
Acq: 1 Aug 2018 8:09

Tgt Ion:	142	Resp:	269264
Ion Ratio	Lower	Upper	
142	100		
127	40.9	33.4	50.2
141	14.0	11.6	17.4



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





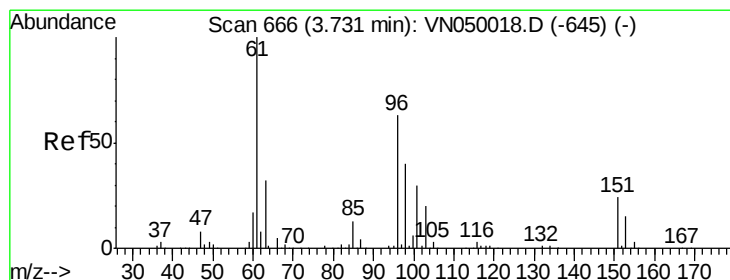
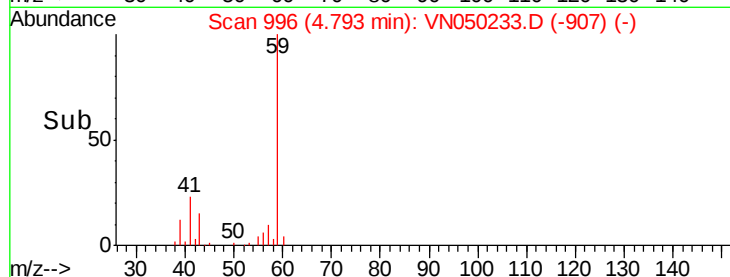
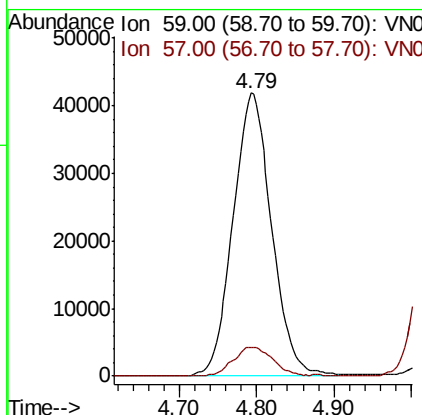
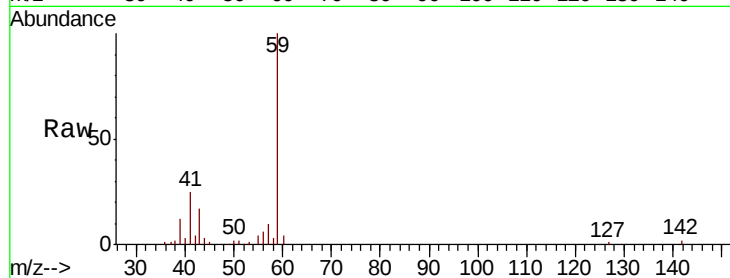
#11
Tert butyl alcohol
Concen: 214.492 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	145020
Ion Ratio	100	Lower	Upper
57	10.5	8.5	12.7

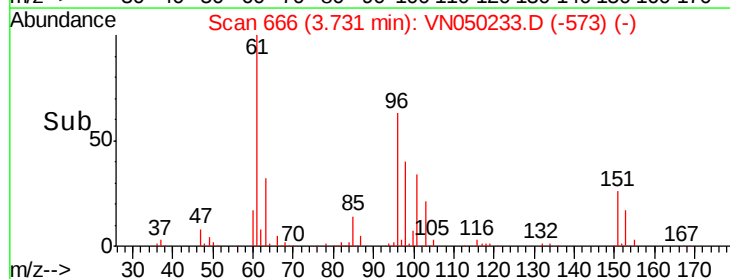
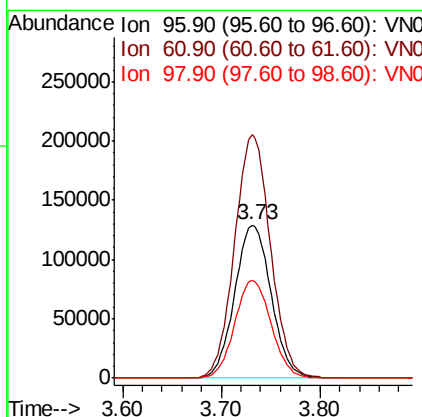
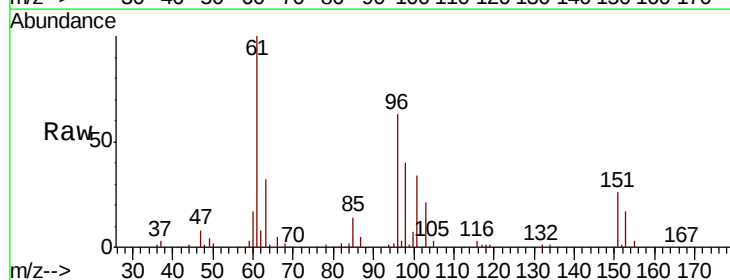
Manual Integrations
APPROVED

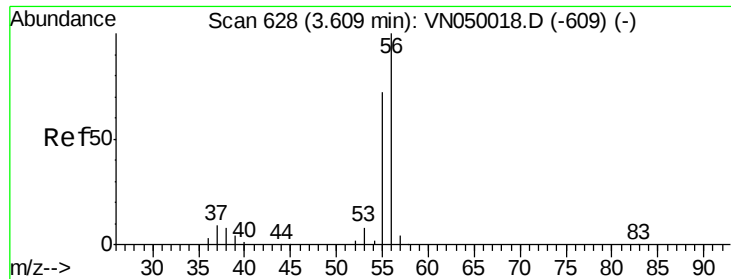
MMDadoda
8/2/2018 9:53:36 AM



#12
1,1-Dichloroethene
Concen: 43.621 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	96	Resp	331113
Ion Ratio	100	Lower	Upper
61	158.8	124.4	186.6
98	63.8	48.3	72.5





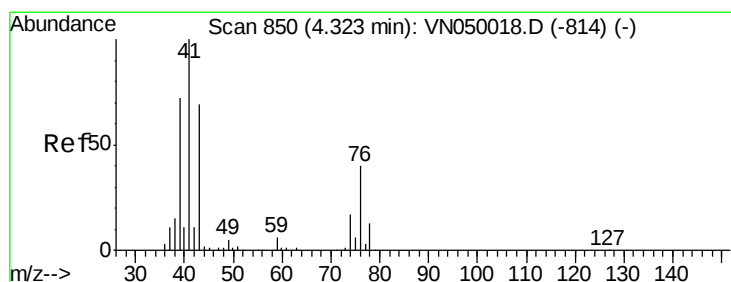
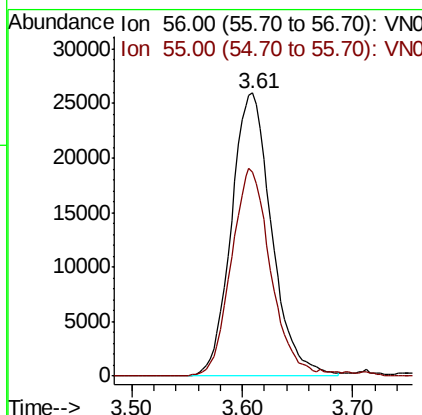
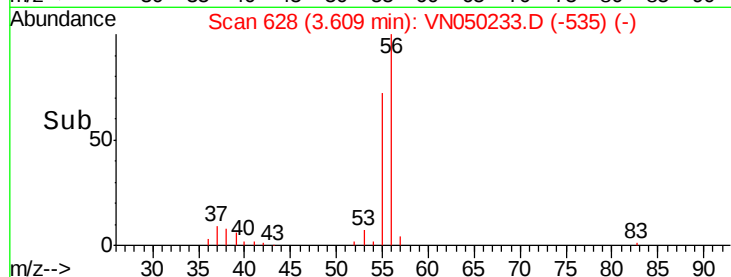
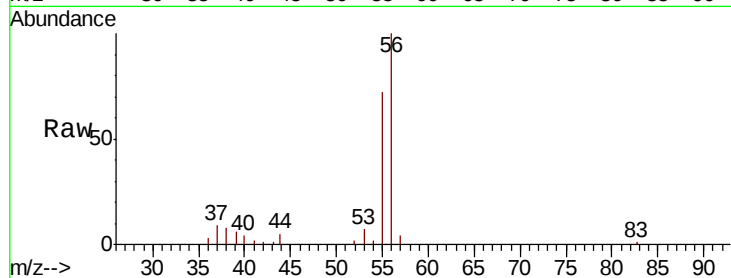
#13
Acrolein
Concen: 120.939 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Resp	Lower	Upper
65696	100	71.3		55.8	83.6

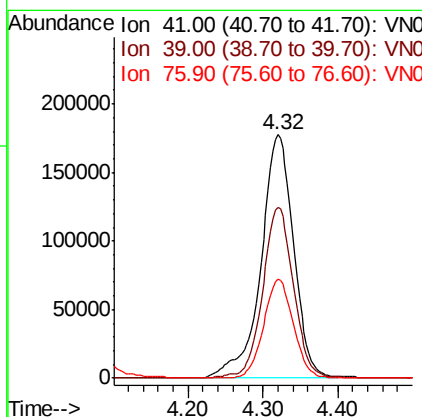
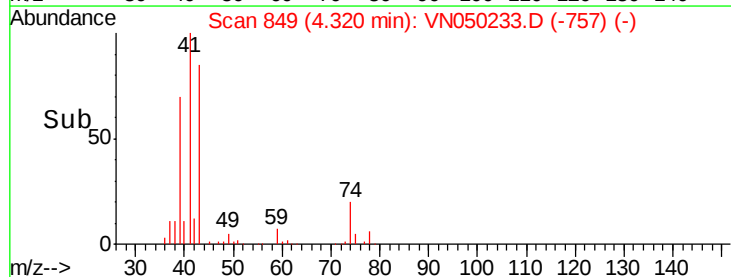
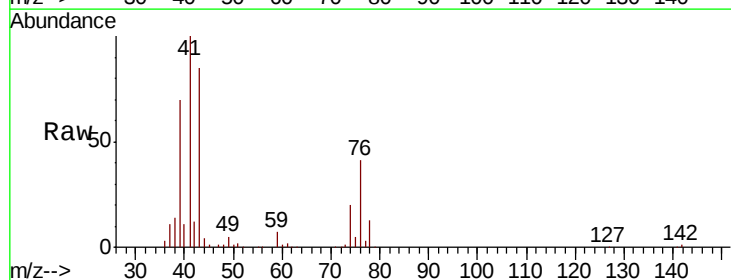
Manual Integrations
APPROVED

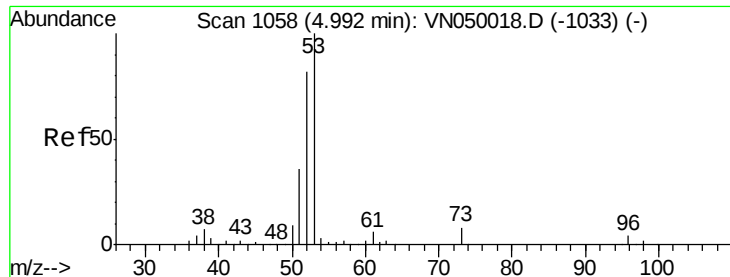
MMDadoda
8/2/2018 9:53:36 AM



#14
Allyl chloride
Concen: 45.821 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	41	39	76	Resp	Lower	Upper
539322	100	66.3	36.4		54.2	81.4





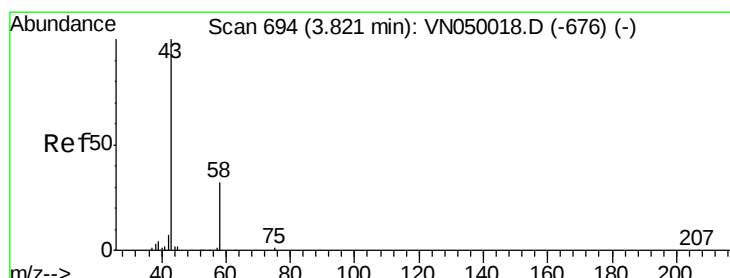
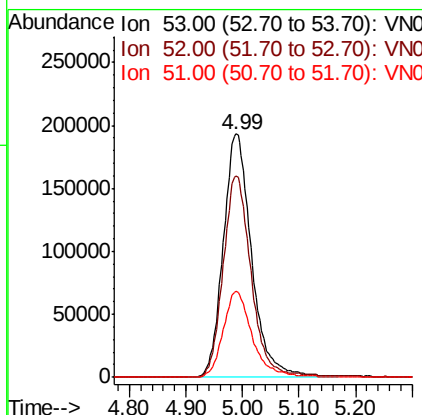
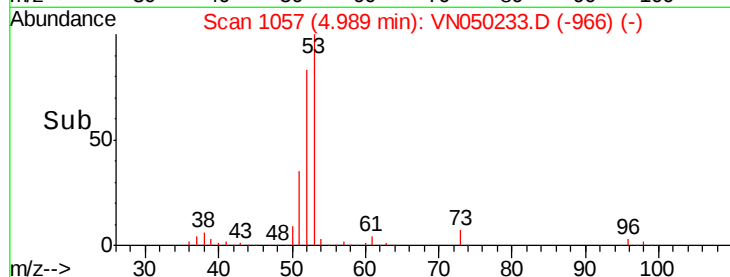
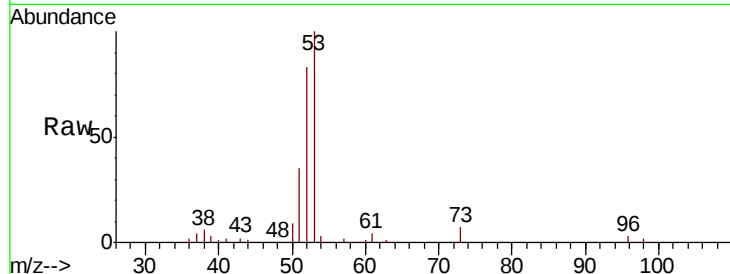
#15
 Acrylonitrile
 Concen: 229.153 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.01 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	675950
Ion	Ratio	Lower	Upper
53	100		
52	80.6	66.2	99.2
51	36.2	29.3	43.9

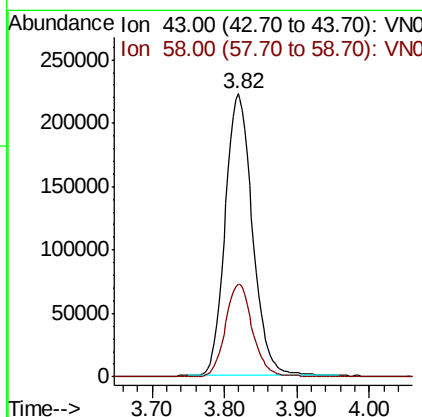
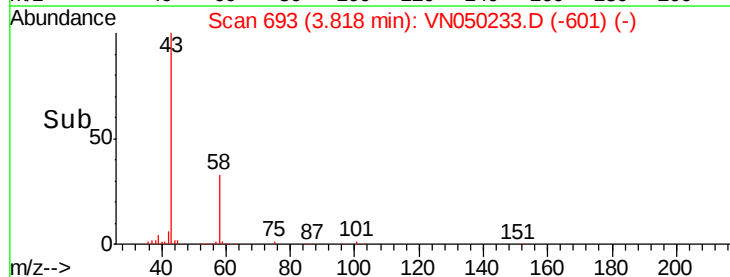
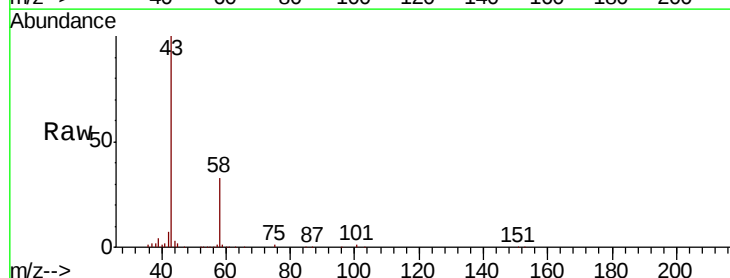
Manual Integrations
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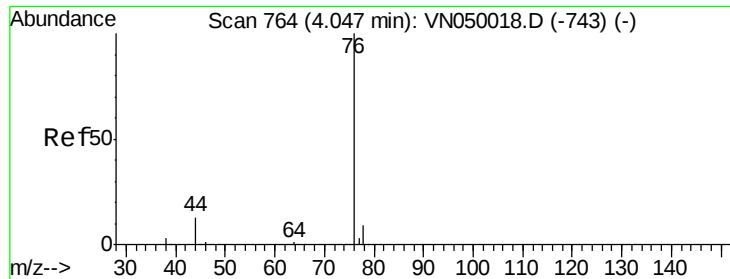
MMDadoda
 8/2/2018 9:53:36 AM



#16
 Acetone
 Concen: 268.560 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:	43	Resp:	580586
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.8	38.8





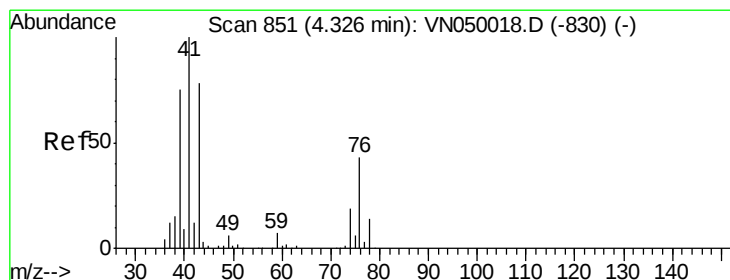
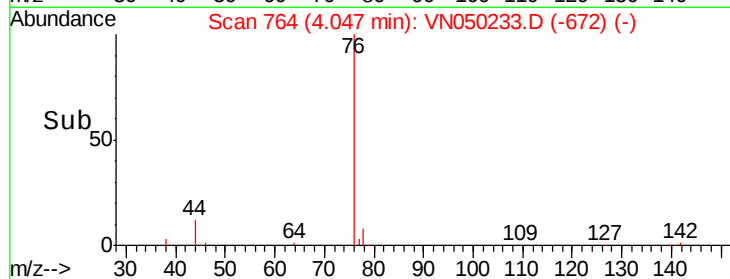
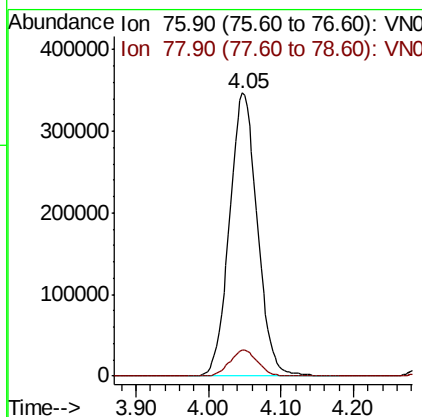
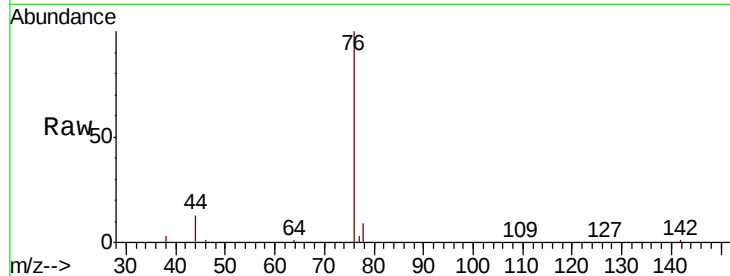
#17
Carbon Disulfide
Concen: 39.919 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

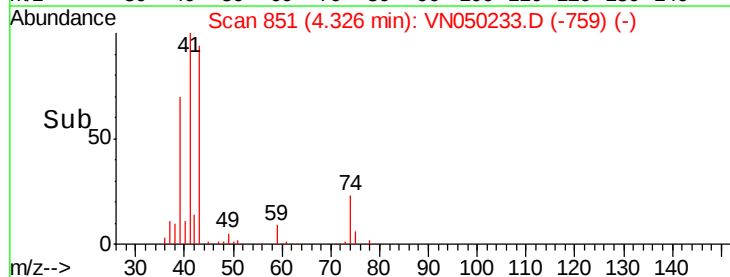
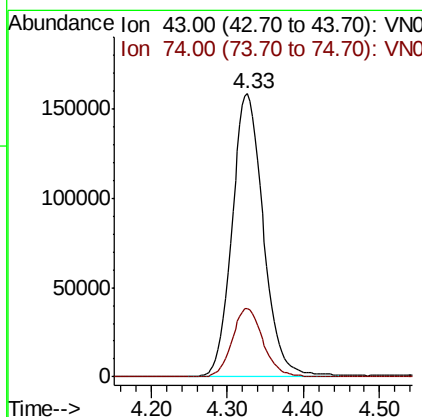
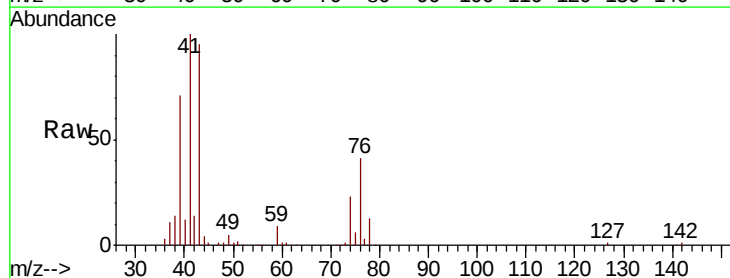
Manual Integrations
APPROVED

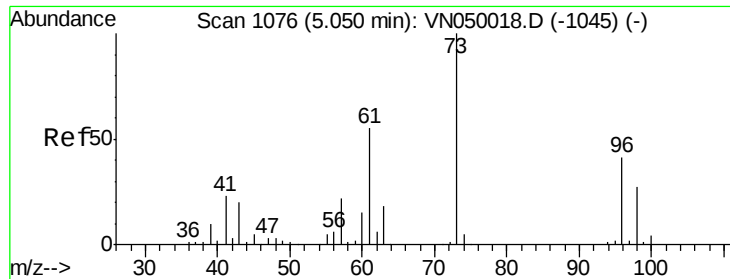
MMDadoda
8/2/2018 9:53:36 AM



#18
Methyl Acetate
Concen: 53.702 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	19.2	28.8





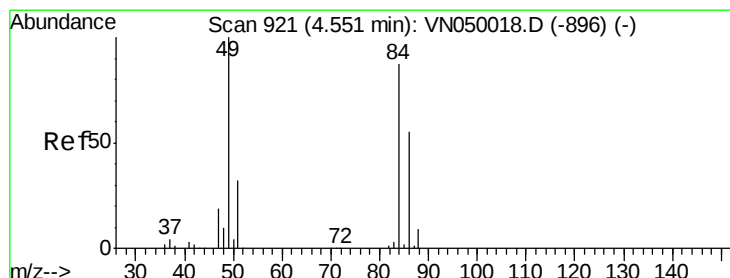
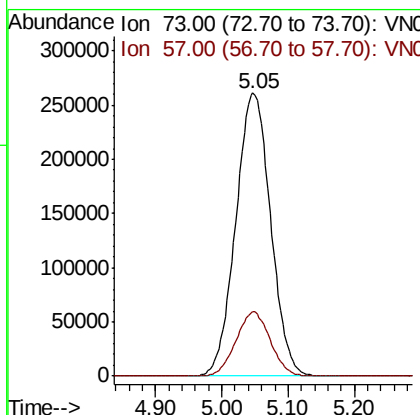
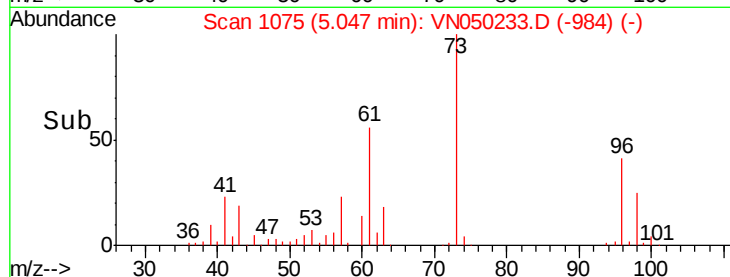
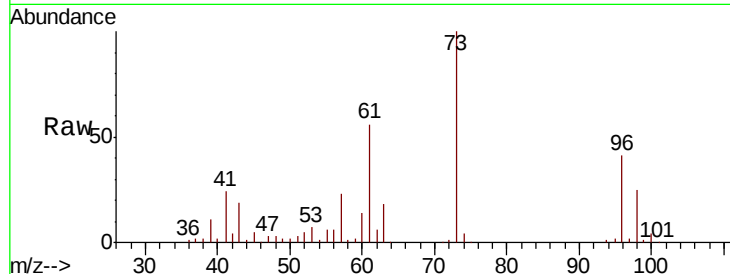
#19
Methyl tert-butyl Ether
Concen: 47.192 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 954636
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0

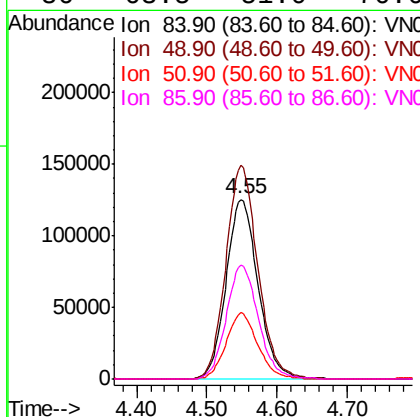
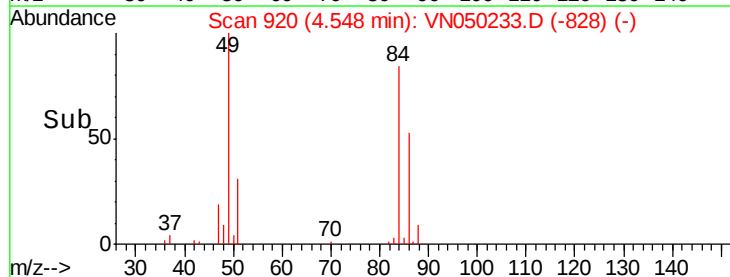
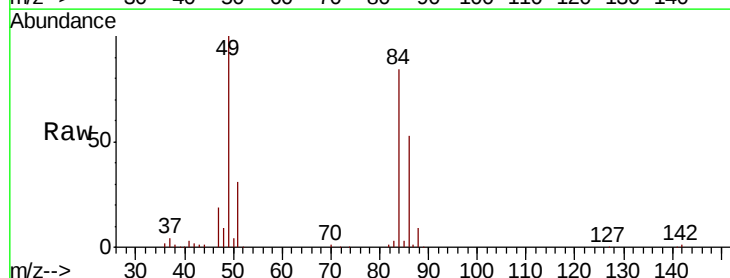
Manual Integrations
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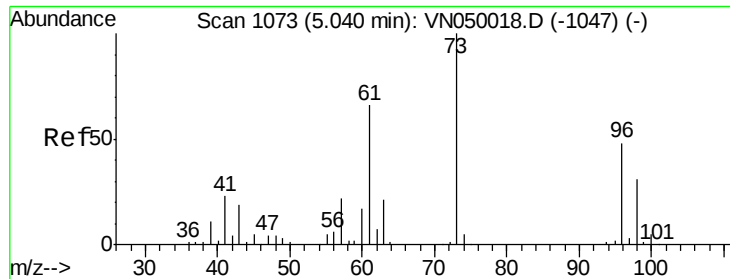
MMDadoda
8/2/2018 9:53:36 AM



#20
Methylene Chloride
Concen: 48.663 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 84 Resp: 396750
Ion Ratio Lower Upper
84 100
49 119.1 94.8 142.2
51 37.0 28.3 42.5
86 63.5 51.0 76.6





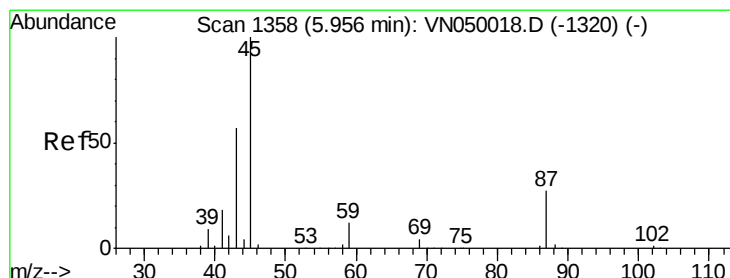
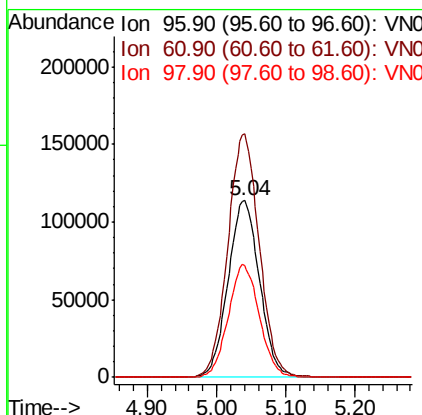
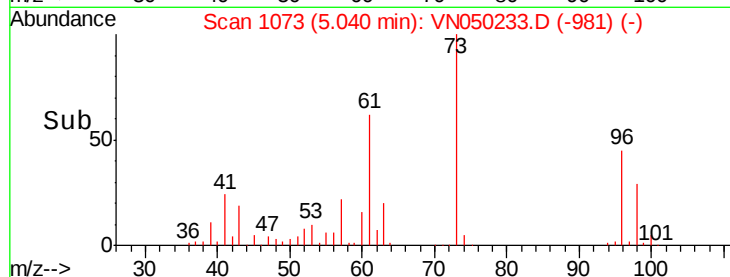
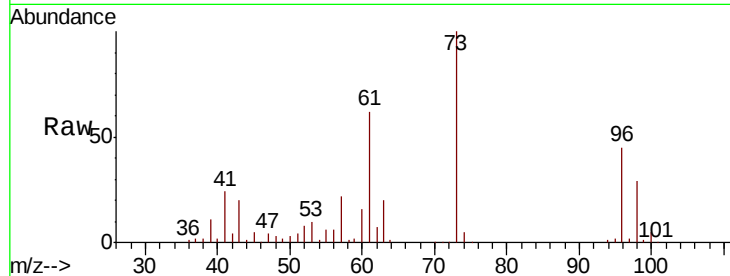
#21
trans-1,2-Dichloroethene
Concen: 44.903 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.8	110.7	166.1
98	63.6	51.6	77.4

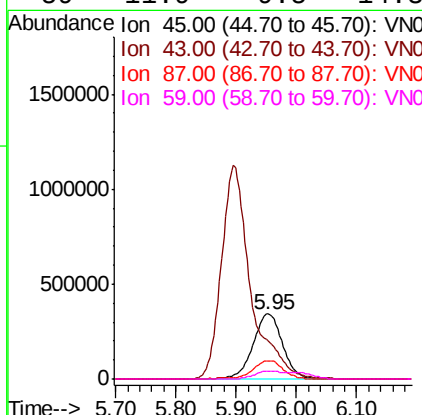
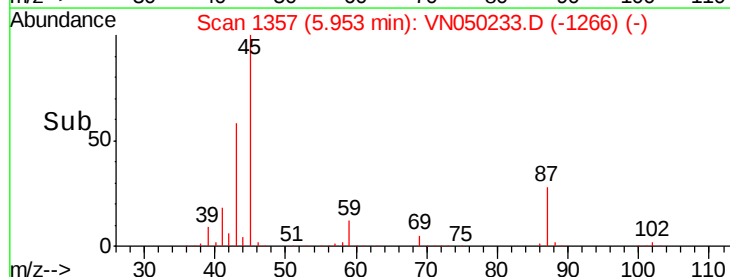
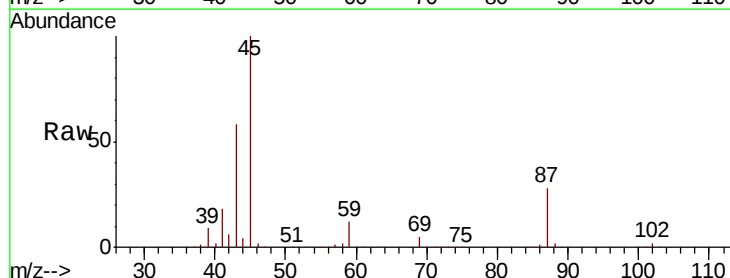
Manual Integrations
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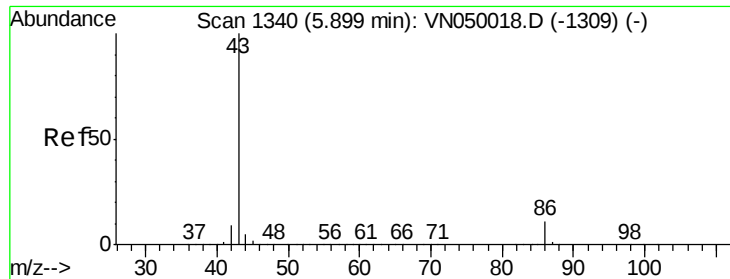
MMDadoda
8/2/2018 9:53:36 AM



#22
Diisopropyl ether
Concen: 50.010 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.0	45.7	68.5
87	28.3	22.7	34.1
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 230.219 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3796951

Ion Ratio Lower Upper

43 100

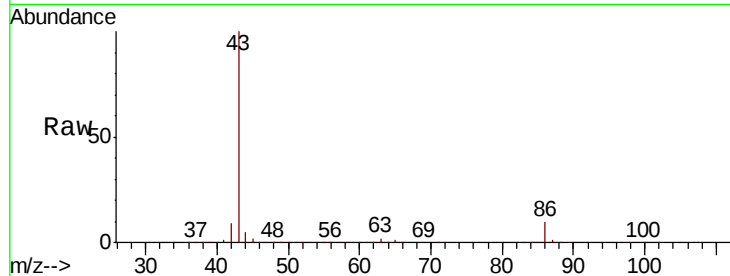
86 10.3 8.6 13.0

Manual Integrations

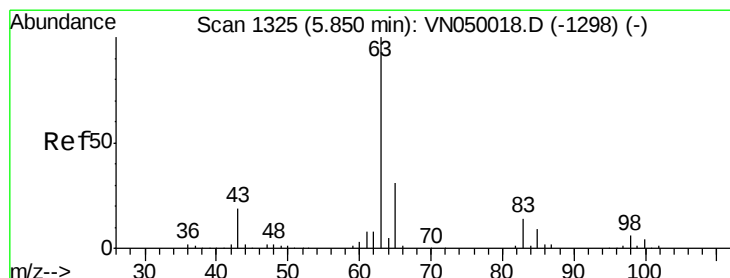
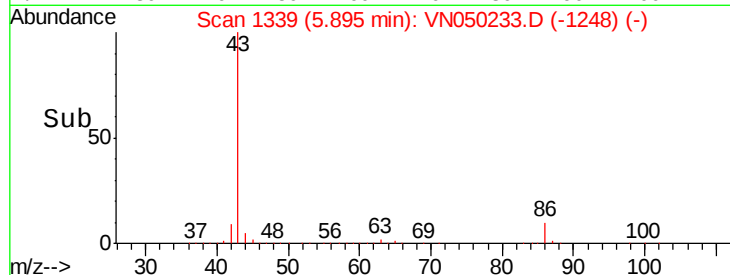
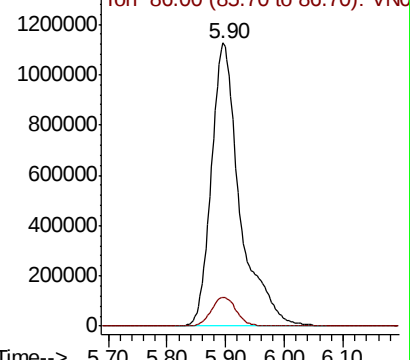
APPROVED

MMDadoda

8/2/2018 9:53:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)



#24

1,1-Dichloroethane

Concen: 45.092 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

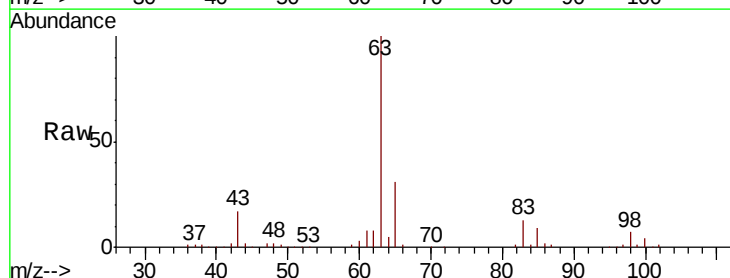
Tgt Ion: 63 Resp: 688161

Ion Ratio Lower Upper

63 100

98 7.0 3.3 9.8

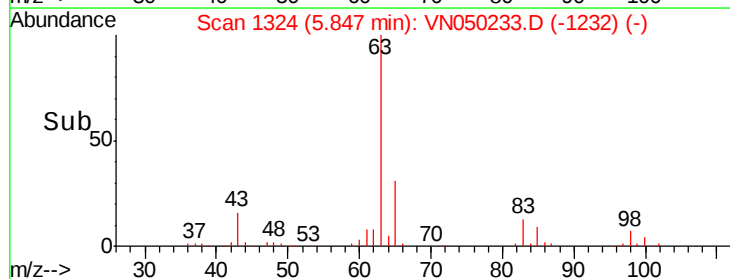
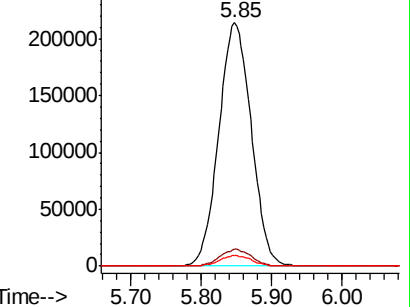
100 4.3 2.1 6.3

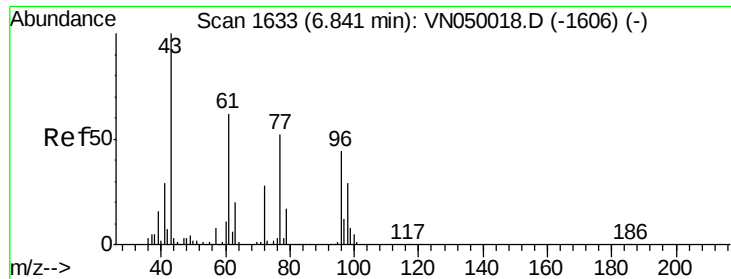


Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050018.D (-1298) (-)





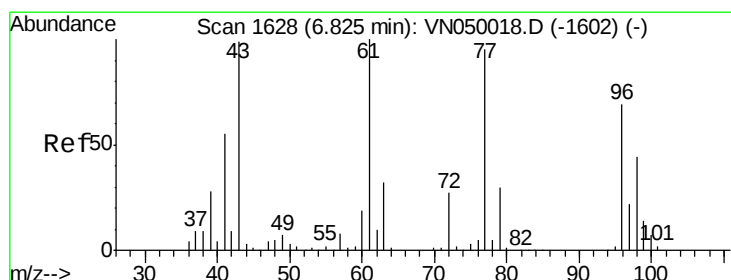
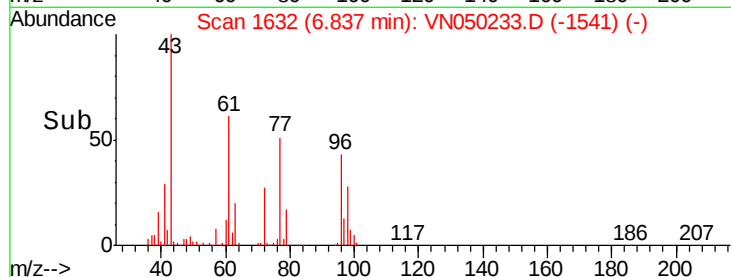
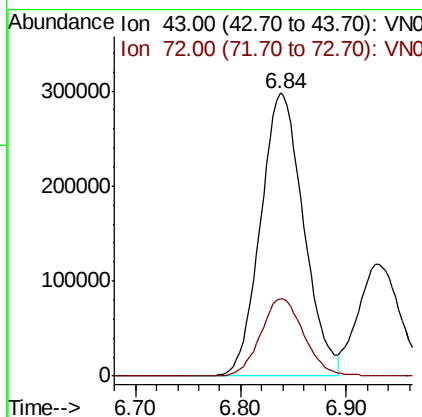
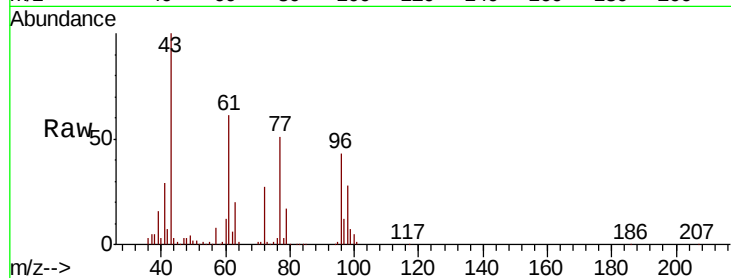
#25
2-Butanone
Concen: 240.658 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 843489
Ion Ratio Lower Upper
43 100
72 27.4 21.5 32.3

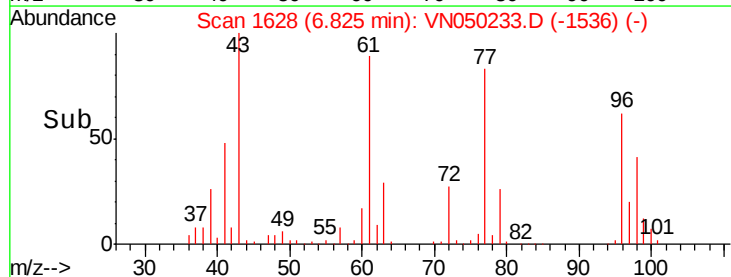
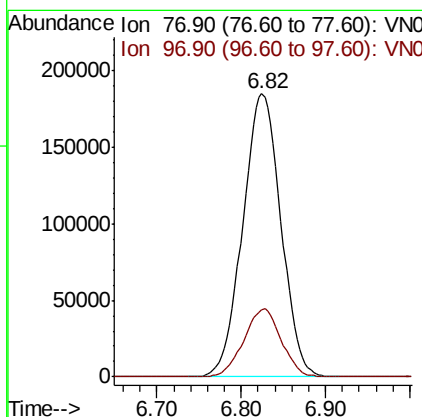
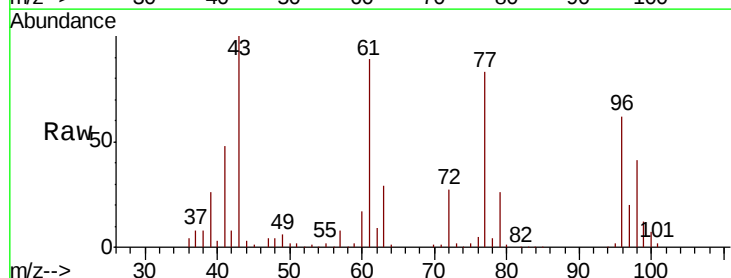
Manual Integrations
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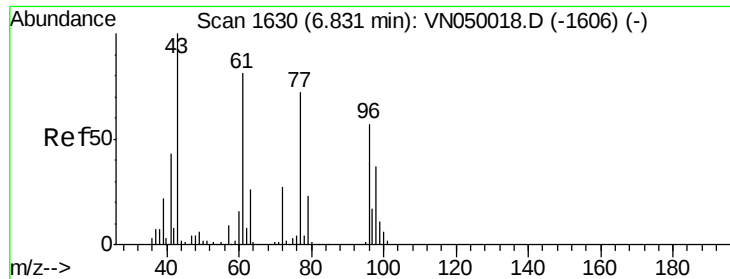
MMDadoda
8/2/2018 9:53:36 AM



#26
2,2-Dichloropropane
Concen: 49.917 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 77 Resp: 579530
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





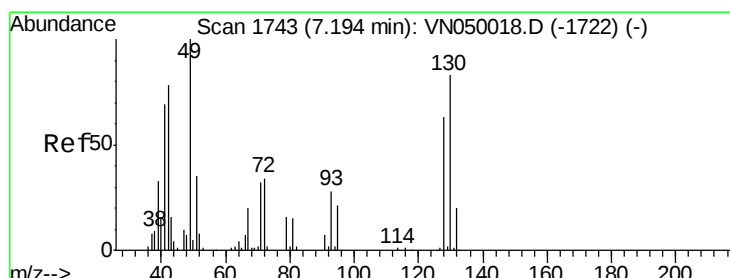
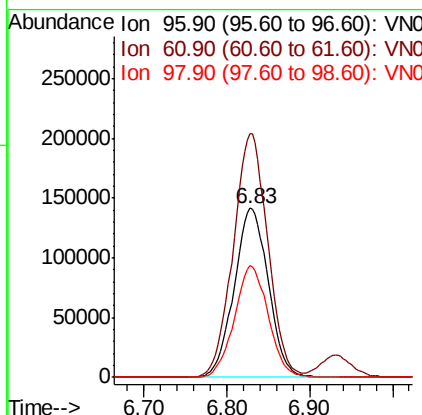
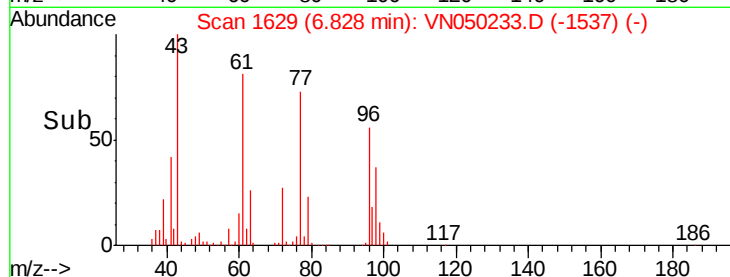
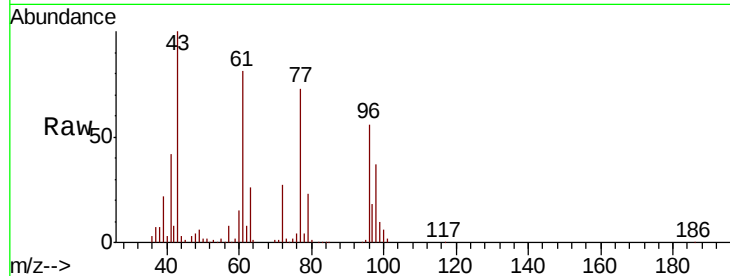
#27
 cis-1,2-Dichloroethene
 Concen: 46.973 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	145.1	0.0	285.0	
98	65.2	0.0	129.2	

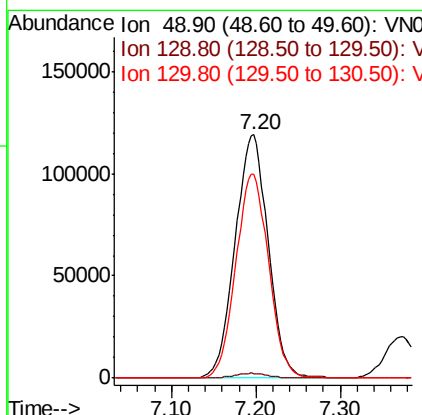
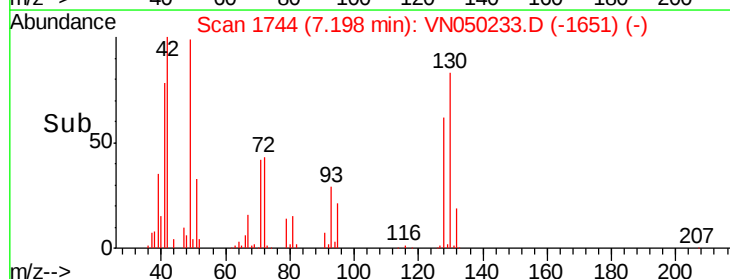
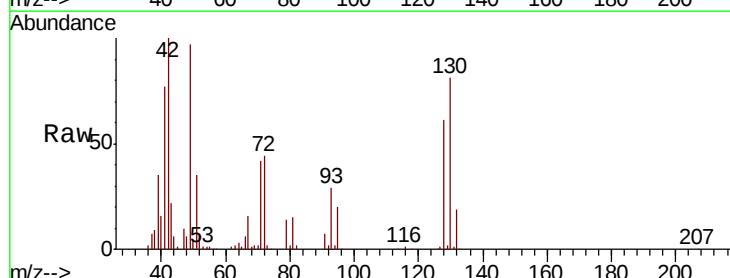
Manual Integrations
 APPROVED

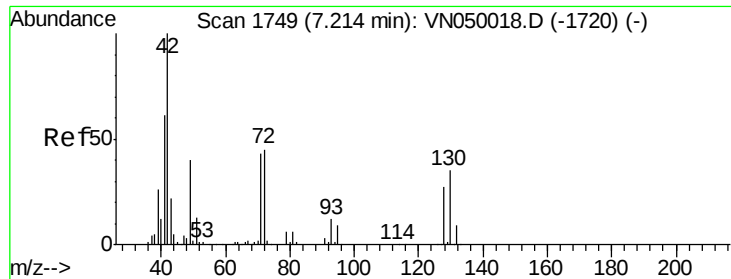
MMDadoda
 8/2/2018 9:53:36 AM



#28
 Bromochloromethane
 Concen: 46.776 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	4.0	
130	83.3	66.3	99.5	





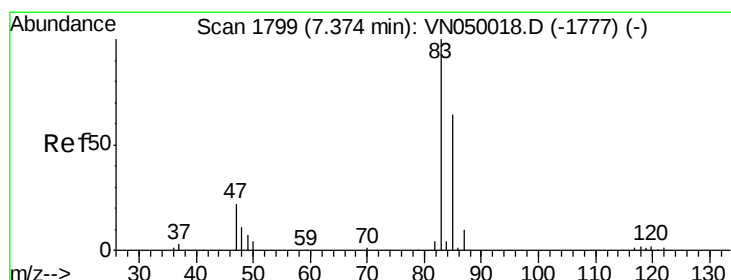
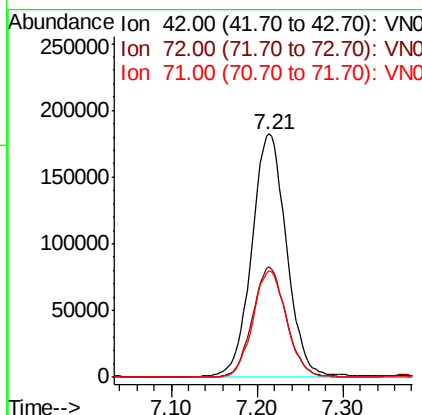
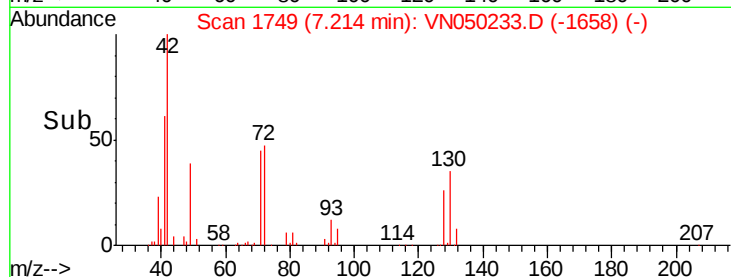
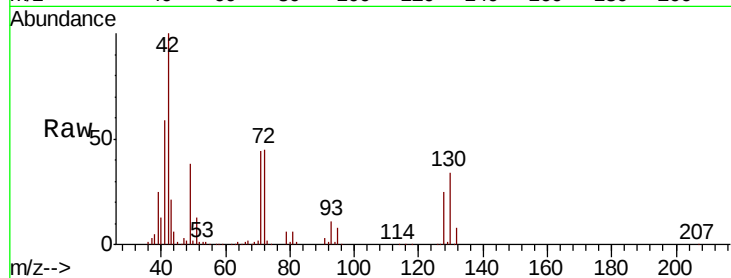
#29
Tetrahydrofuran
Concen: 225.525 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	35.9	53.9
71	42.6	33.7	50.5

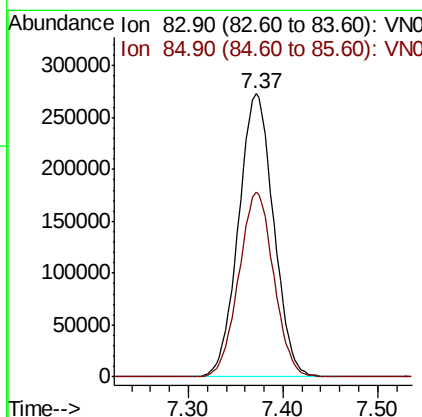
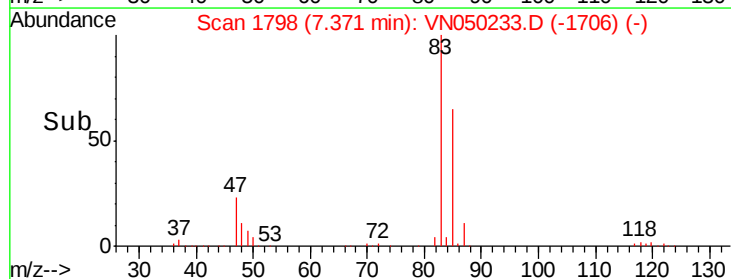
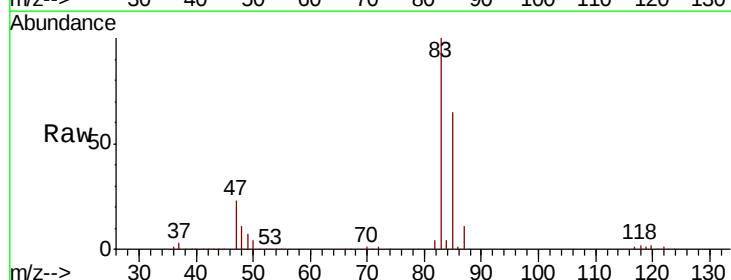
Manual Integrations
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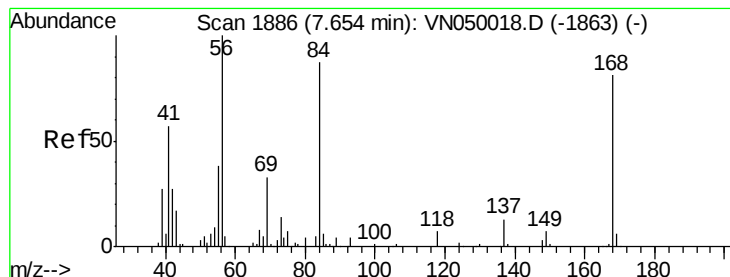
MMDadoda
8/2/2018 9:53:36 AM



#30
Chloroform
Concen: 45.159 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.5	78.7





#31

Cyclohexane

Concen: 45.046 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 570203

Ion Ratio Lower Upper

56 100

69 33.5 26.2 39.4

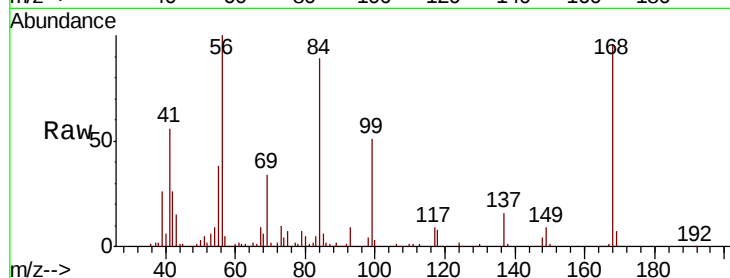
84 87.3 67.4 101.0

Manual Integrations

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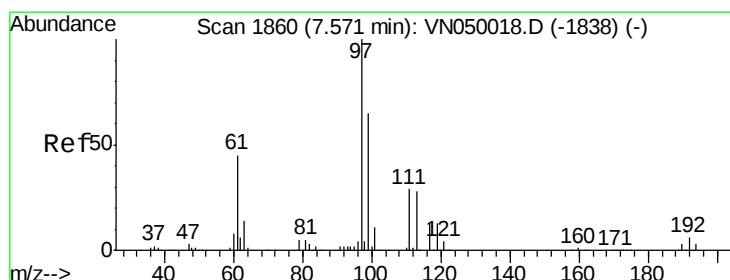
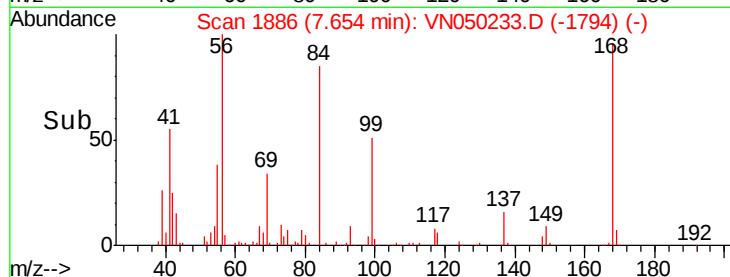
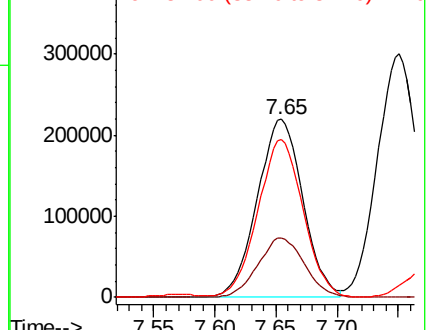


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 45.176 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

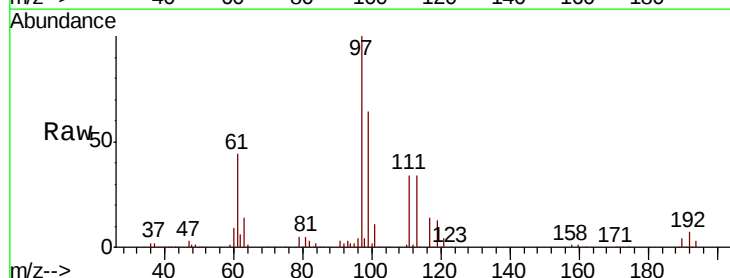
Tgt Ion: 97 Resp: 601808

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 44.1 35.4 53.0

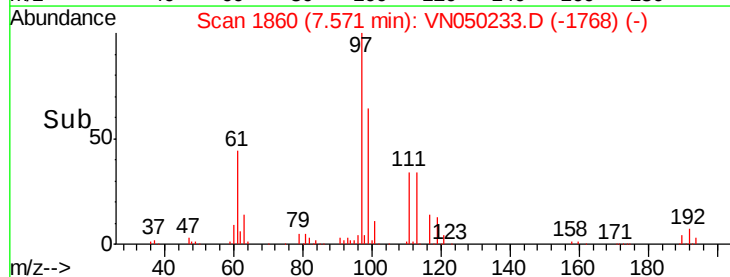
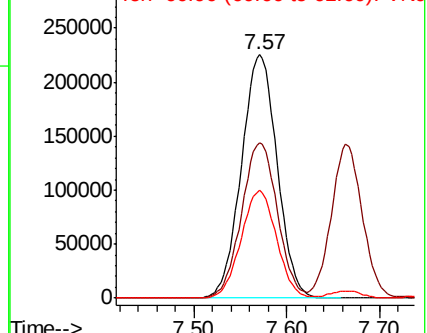


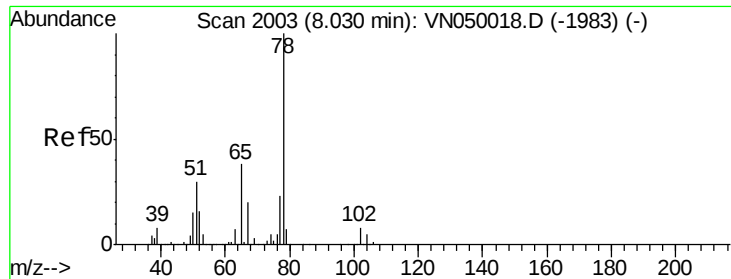
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





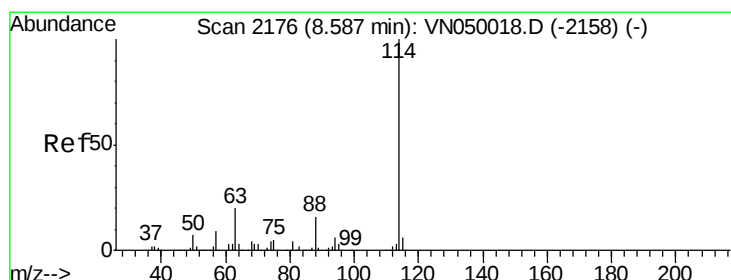
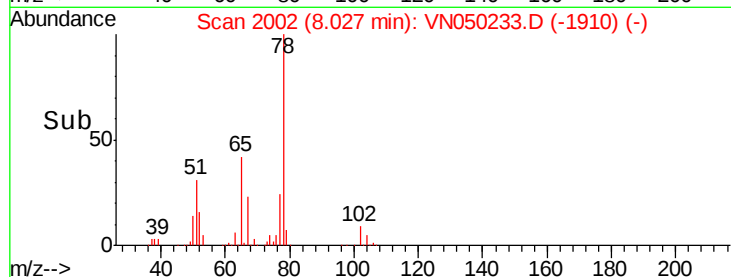
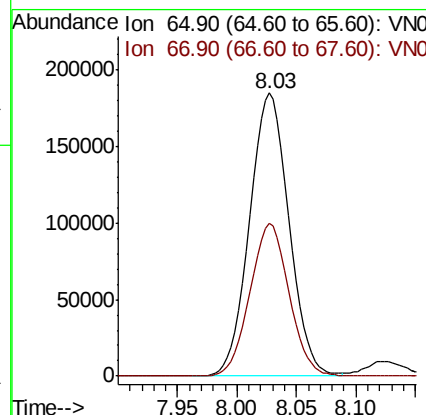
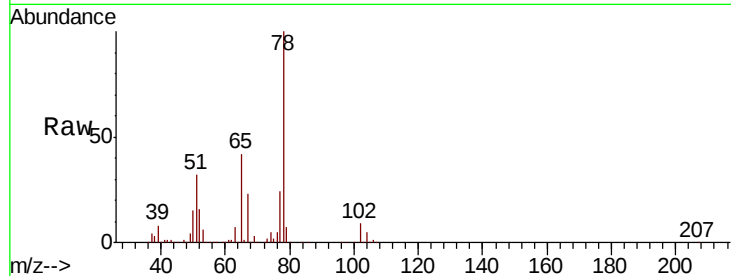
#33
 1,2-Dichloroethane-d4
 Concen: 46.200 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	424531		
67	53.4	0.0	108.4	

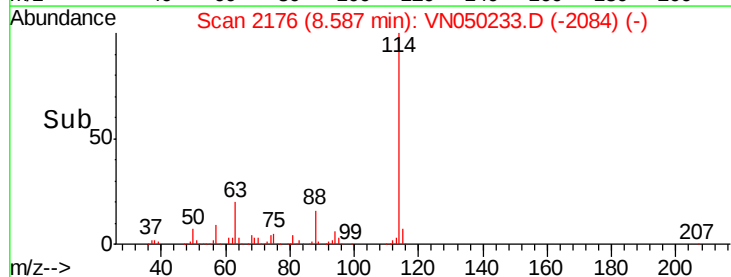
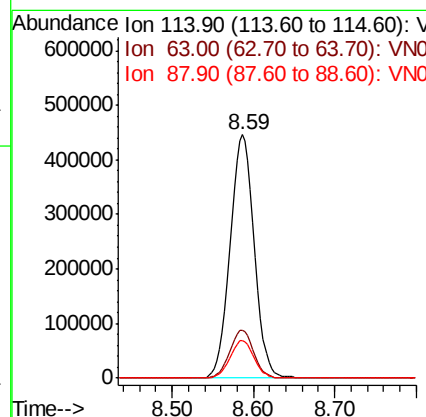
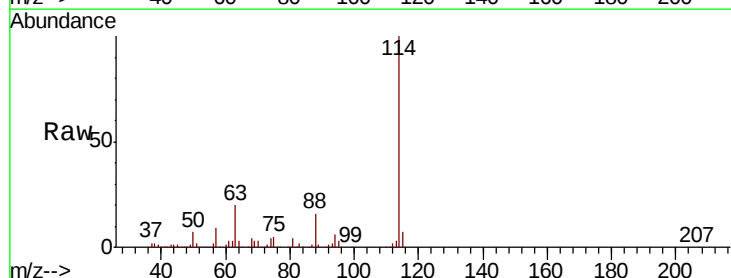
Manual Integrations
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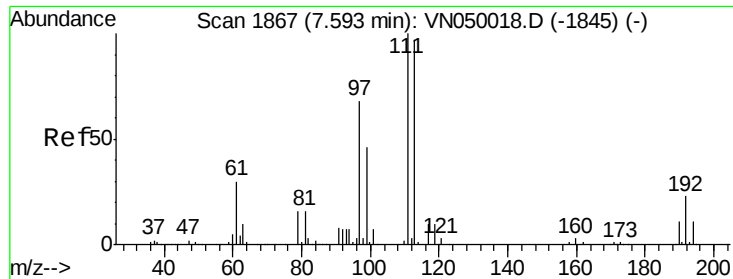
MMDadoda
 8/2/2018 9:53:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	931453		
63	19.9	0.0	40.0	
88	15.6	0.0	31.2	





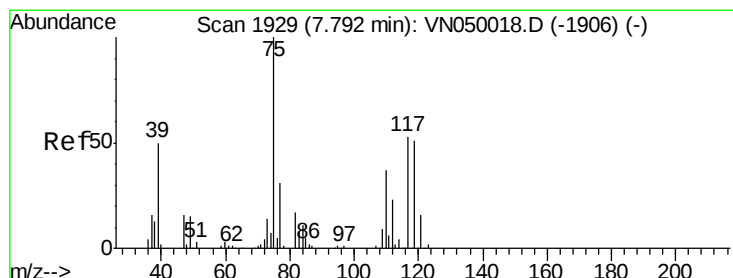
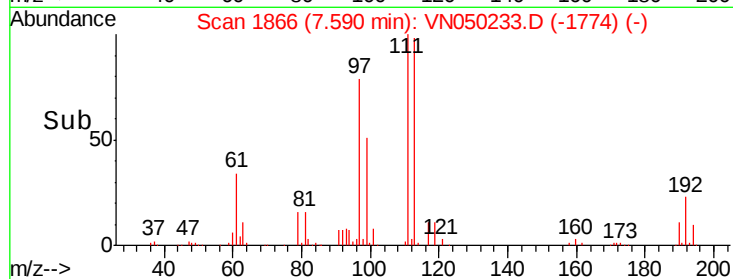
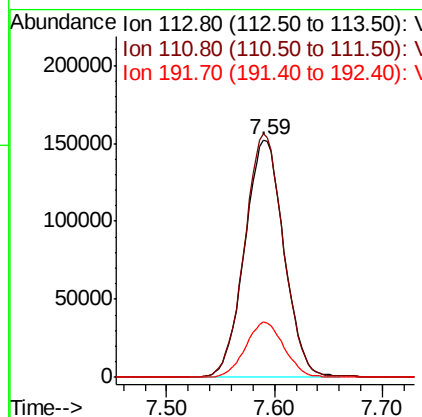
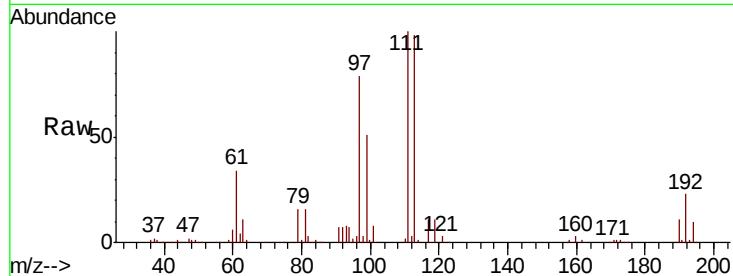
#35
 Dibromofluoromethane
 Concen: 50.536 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.9	80.7	121.1	
192	22.8	17.8	26.6	

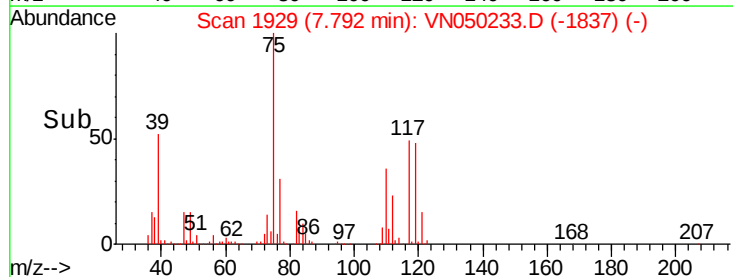
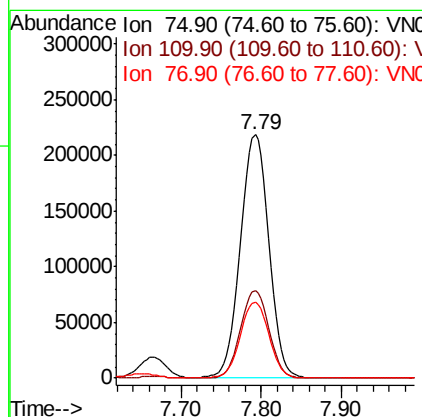
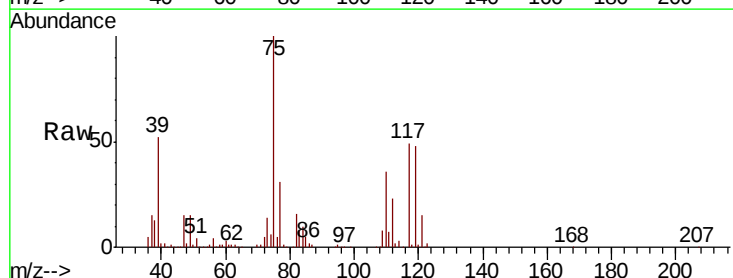
Manual Integrations
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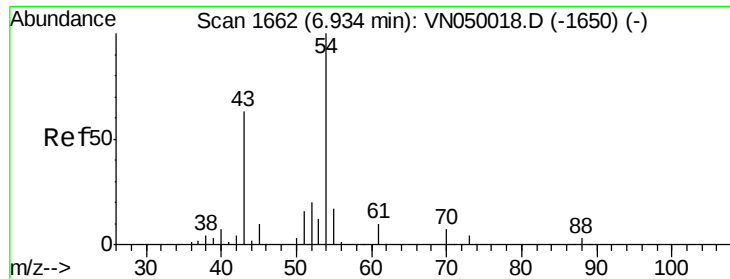
MMDadoda
 8/2/2018 9:53:36 AM



#36
 1,1-Dichloropropene
 Concen: 49.966 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.8	18.4	55.2	
77	31.3	25.3	37.9	





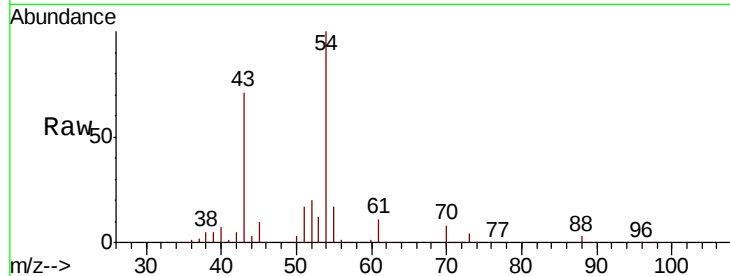
#37
Ethyl Acetate
Concen: 46.024 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.8	17.8
70	10.4	8.4	12.6

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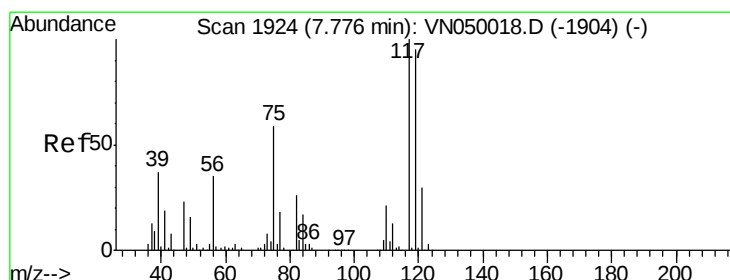
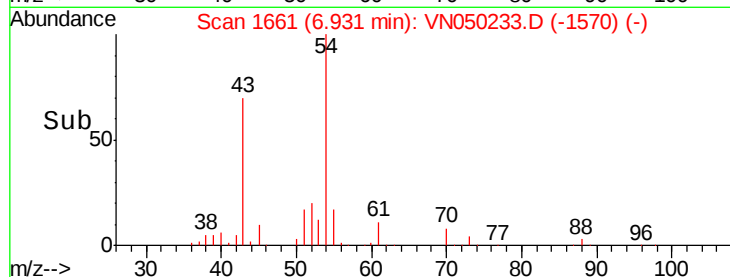
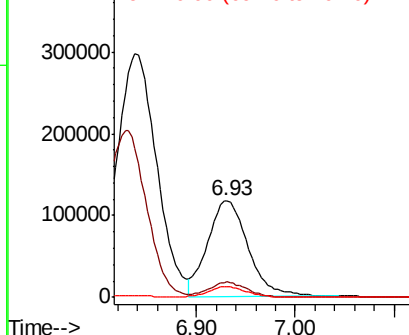


Abundance

Ion 43.00 (42.70 to 43.70): VN0

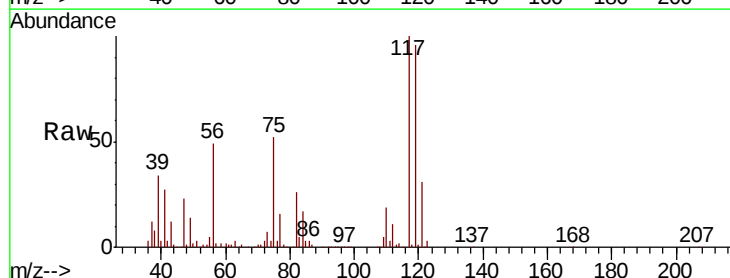
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 48.043 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.4	116.0
121	30.7	23.9	35.9

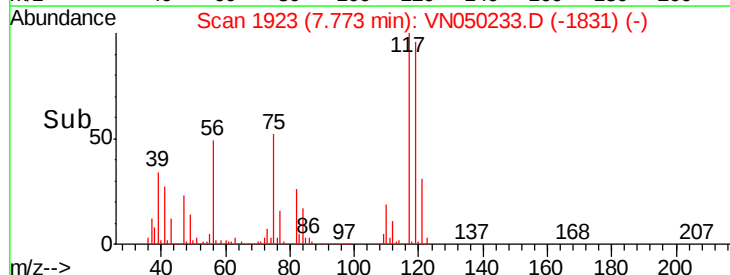
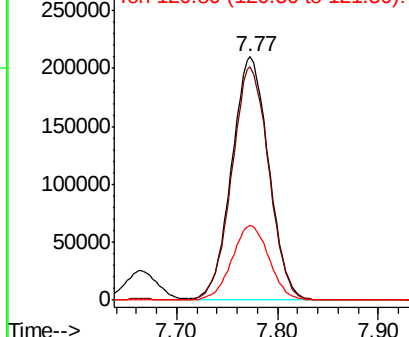


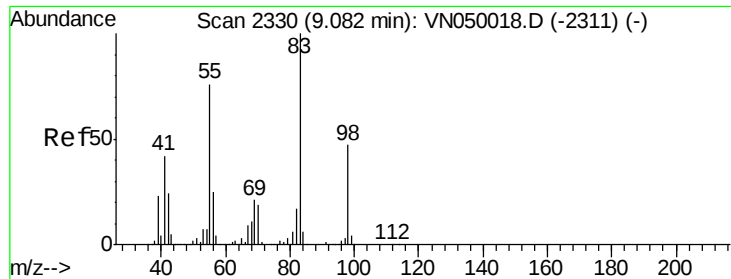
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





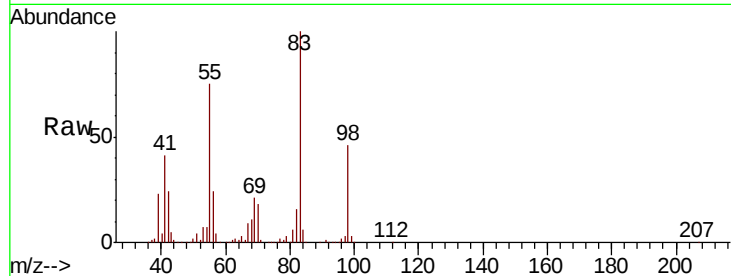
#39
Methvlcvclohexane
Concen: 52.070 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.8	92.8
98	46.2	36.5	54.7

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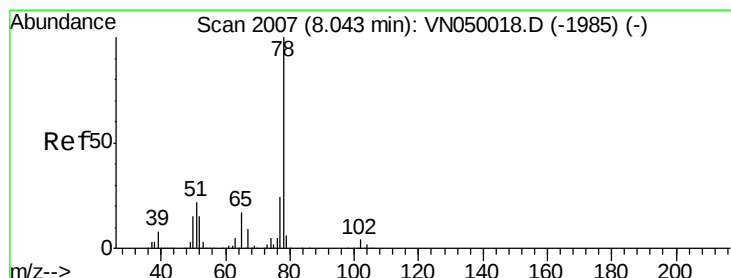
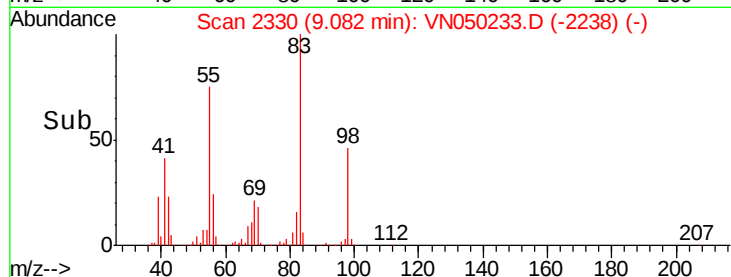
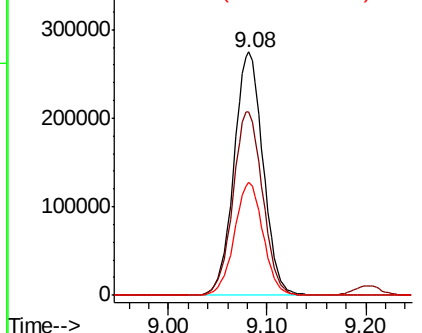


Abundance

Ion 83.00 (82.70 to 83.70): VN0

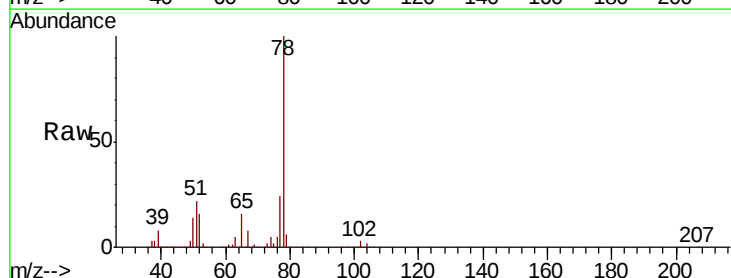
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 49.304 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

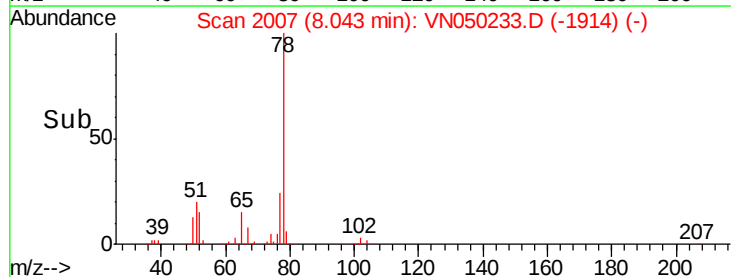
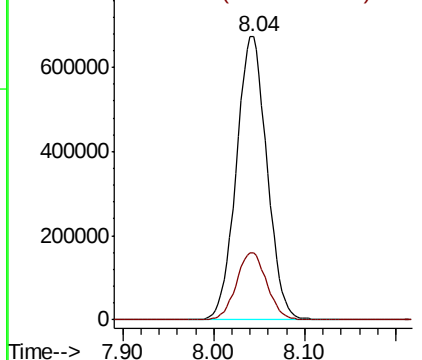
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1

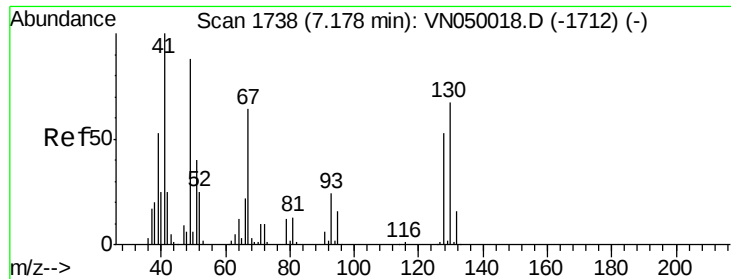


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





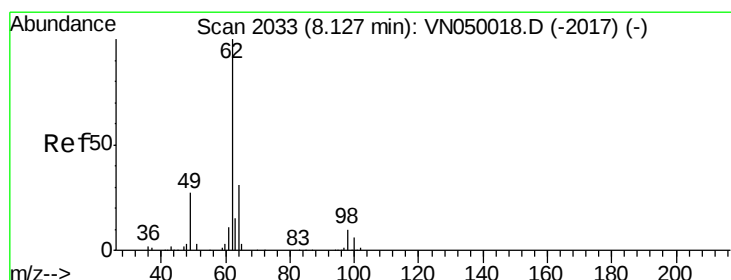
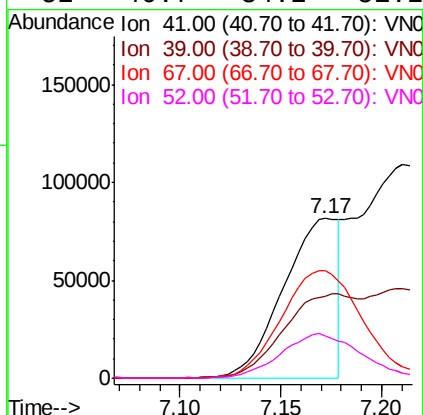
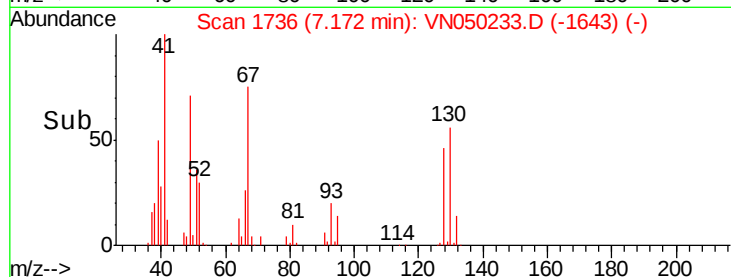
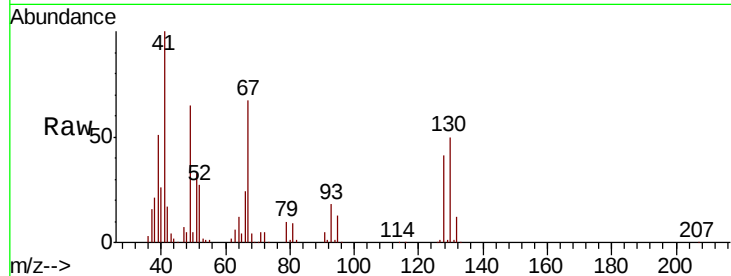
#41
Methacrylonitrile
Concen: 40.696 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.2	55.8	83.6
67	101.2	84.3	126.5
52	40.7	34.2	51.2

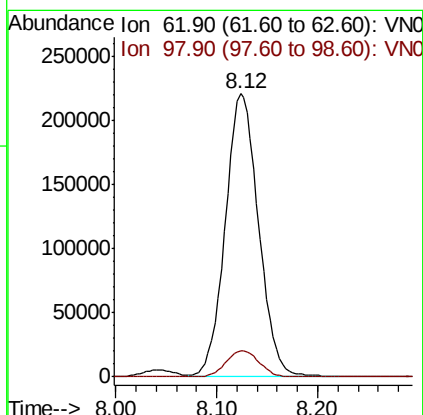
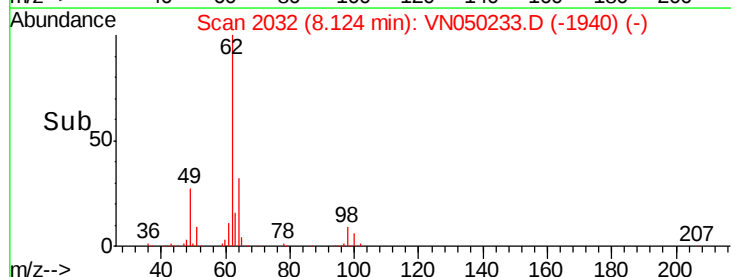
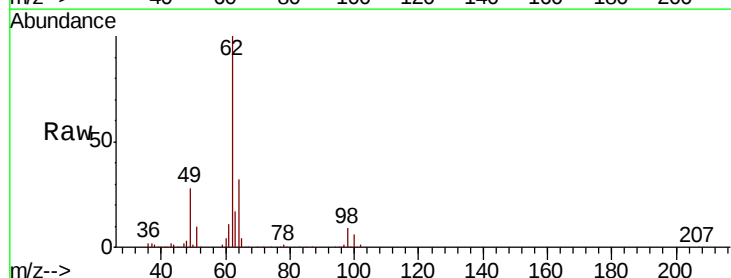
Manual Integrations
APPROVED

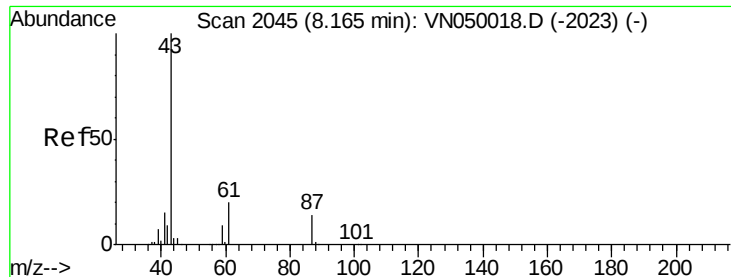
MMDadoda
8/2/2018 9:53:36 AM



#42
1,2-Dichloroethane
Concen: 47.241 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

Isopropyl Acetate

Concen: 46.079 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

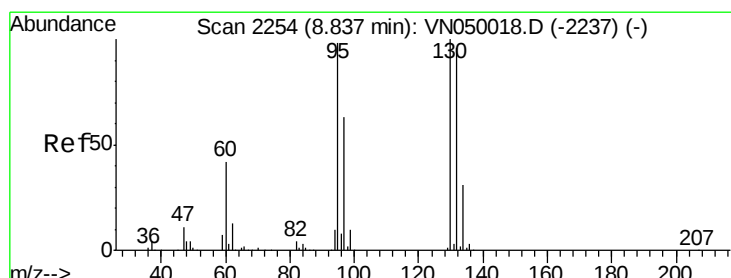
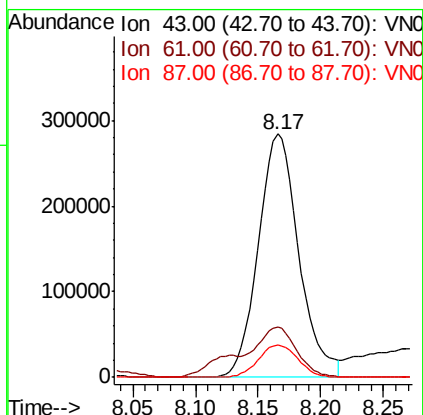
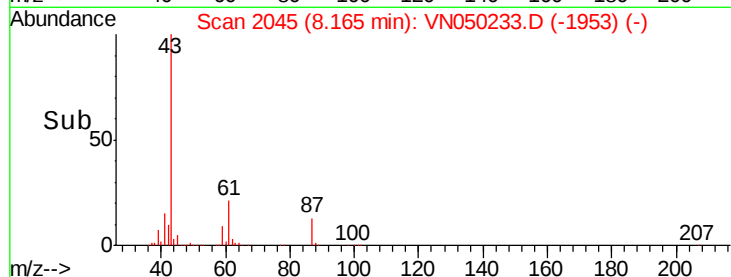
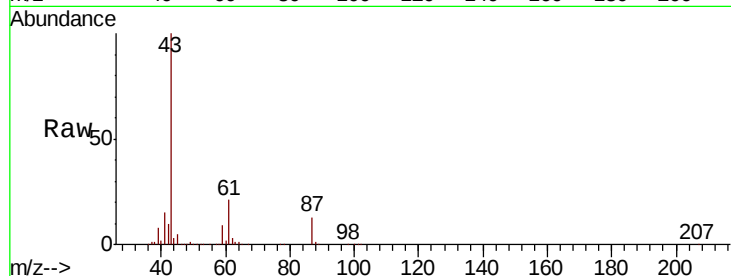
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	636562
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.8	23.6
87	13.2	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 47.906 ug/l

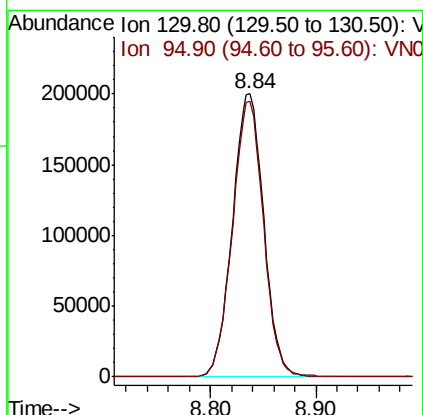
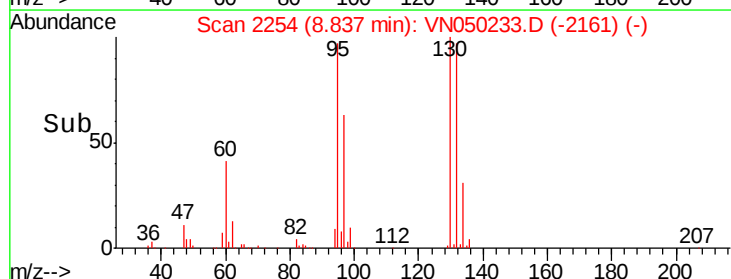
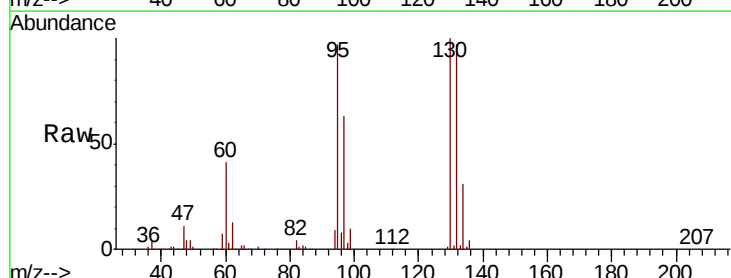
RT: 8.84 min Scan# 2254

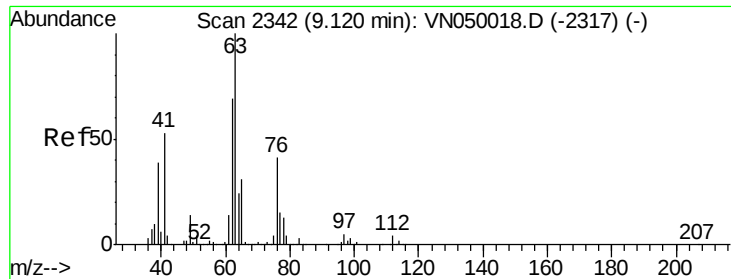
Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion:	130	Resp:	411065
Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	194.6





#45

1,2-Dichloropropane

Concen: 49.830 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 421463

Ion Ratio Lower Upper

63 100

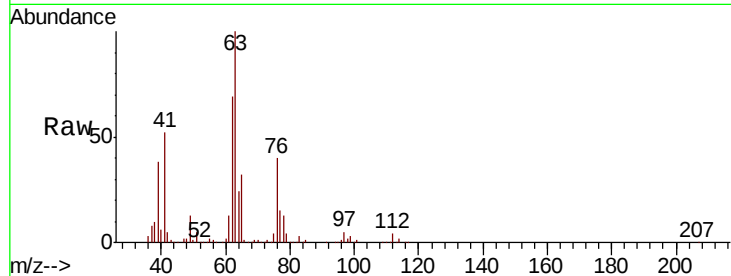
65 31.9 25.5 38.3

Manual Integrations

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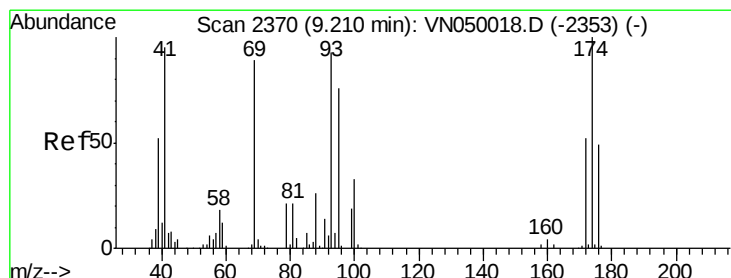
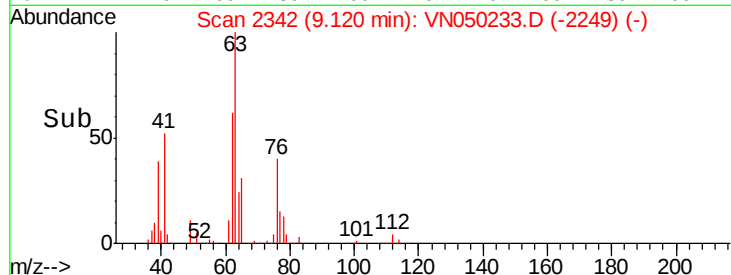
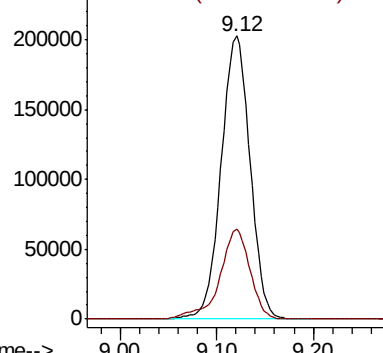
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.705 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

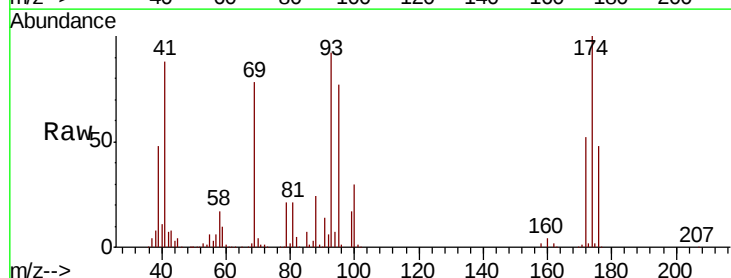
Tgt Ion: 93 Resp: 255795

Ion Ratio Lower Upper

93 100

95 82.6 66.6 100.0

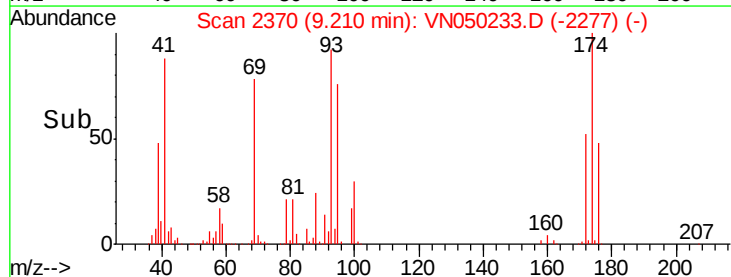
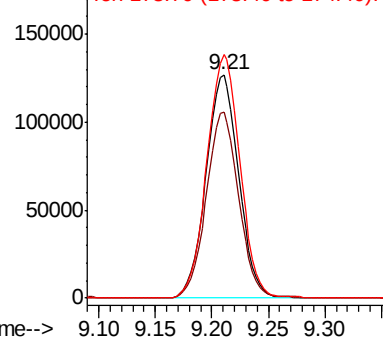
174 110.3 87.1 130.7

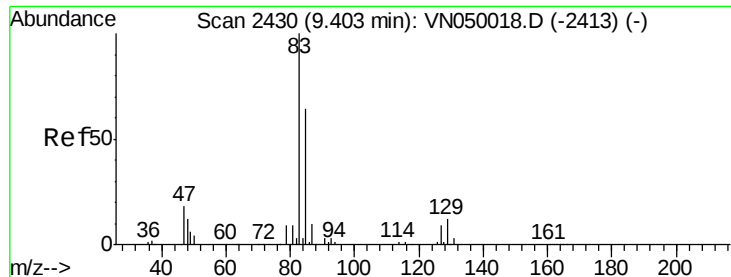


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





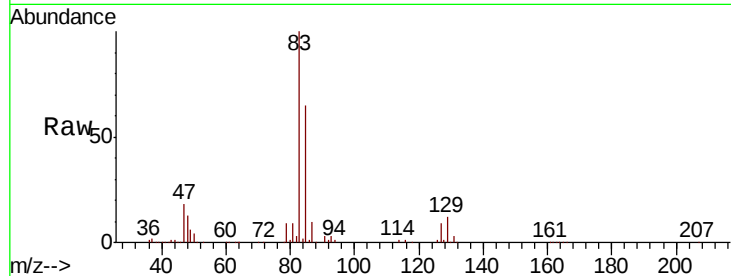
#47
Bromodichloromethane
Concen: 49.446 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

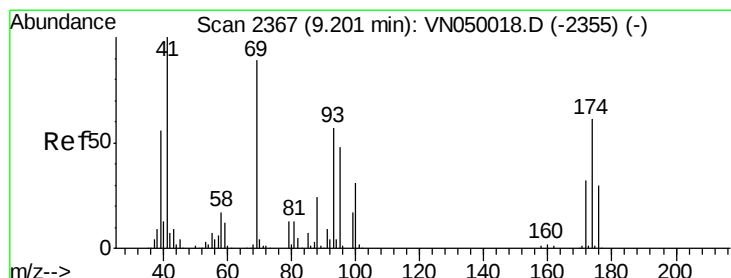
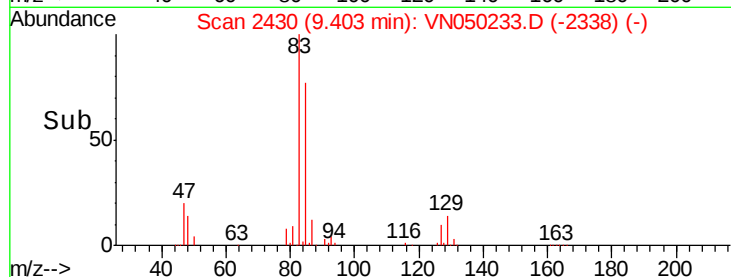
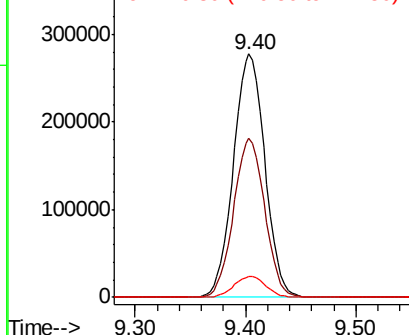
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.2	51.1	76.7	
127	8.7	7.0	10.4	

Manual Integrations
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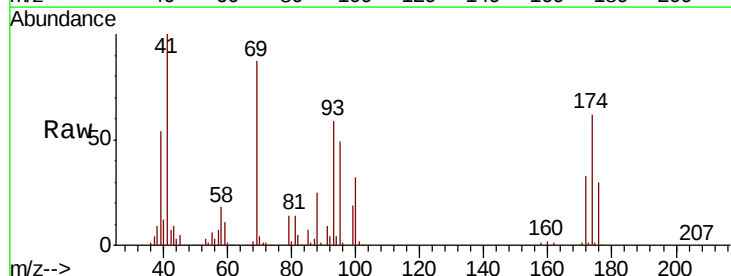


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

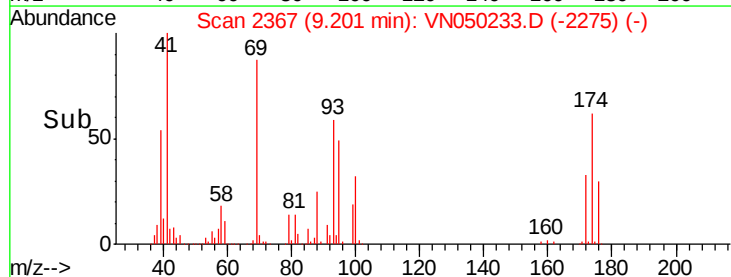
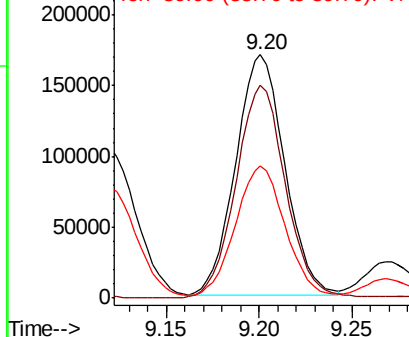


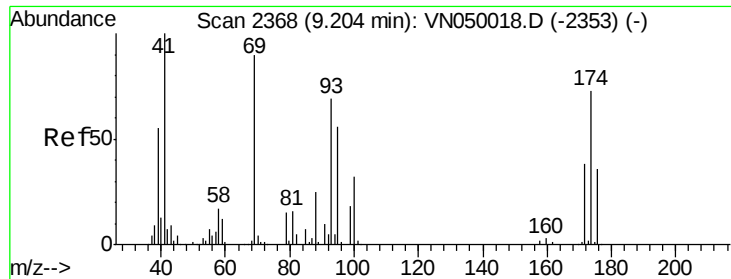
#48
Methyl methacrylate
Concen: 49.660 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	90.1	70.6	105.8	
39	55.8	43.9	65.9	



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





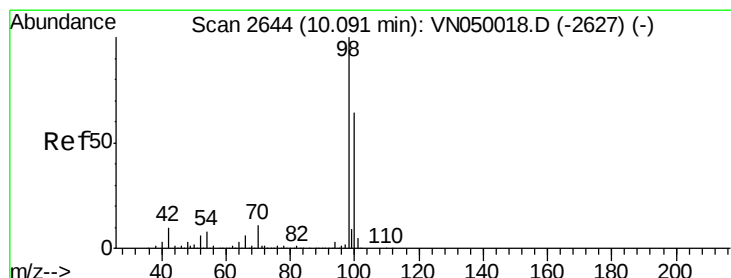
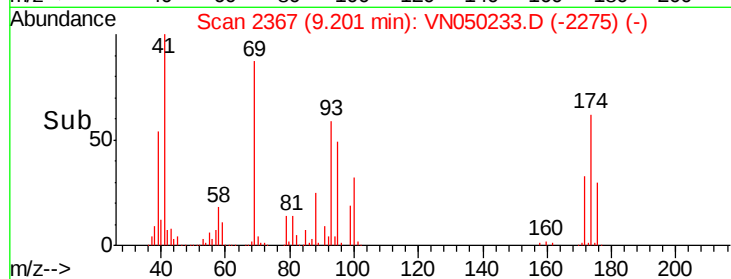
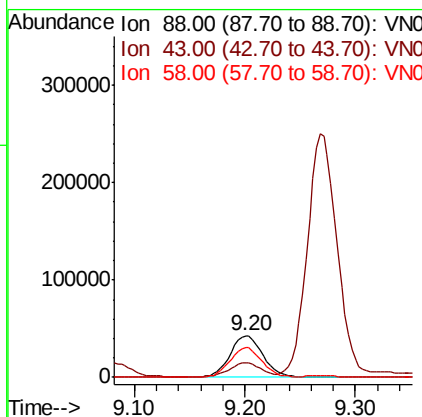
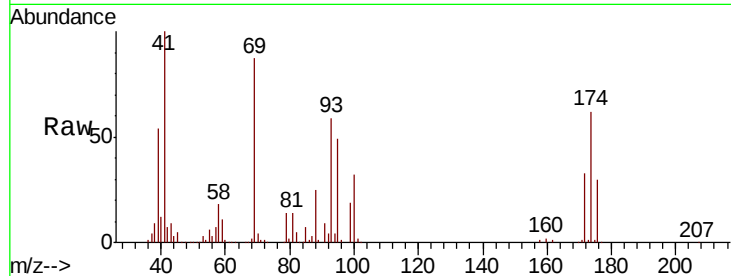
#49
1,4-Dioxane
Concen: 1036.700 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	26.9	40.3
58	69.2	57.3	85.9

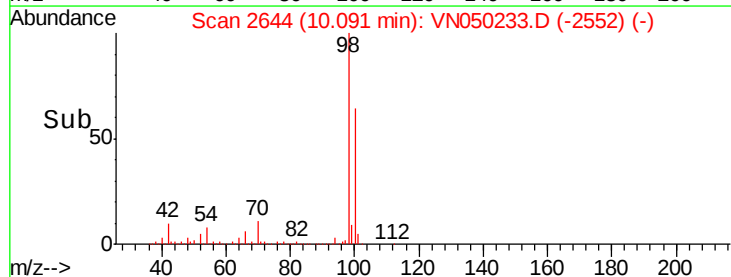
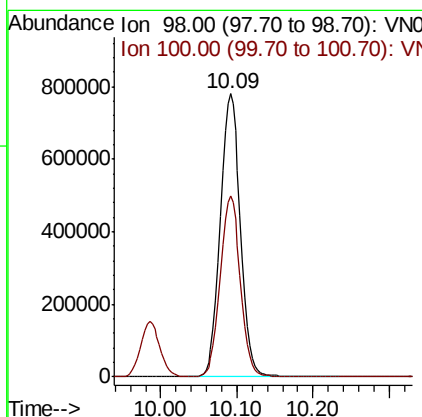
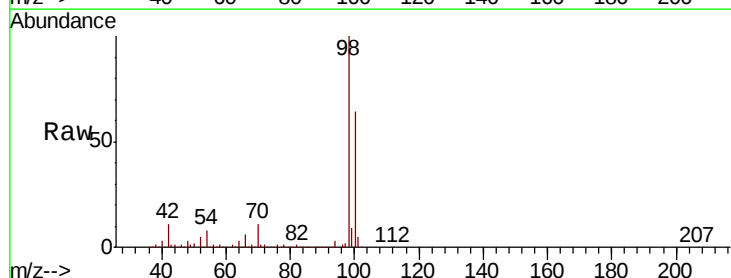
Manual Integrations
APPROVED

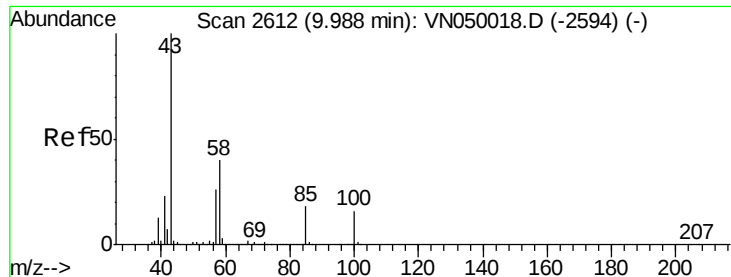
MMDadoda
8/2/2018 9:53:36 AM



#50
Toluene-d8
Concen: 51.232 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.7	76.1





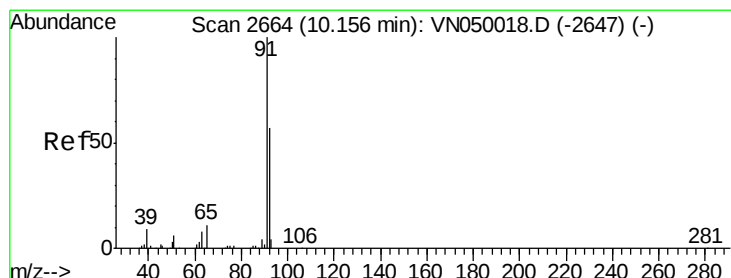
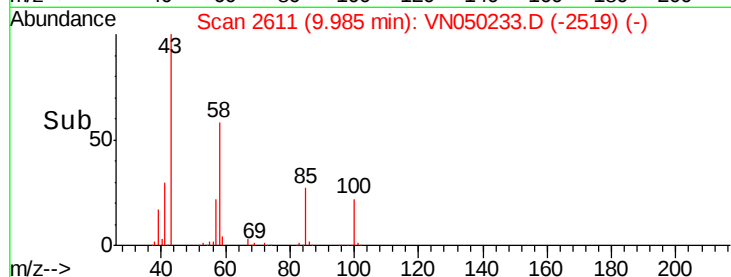
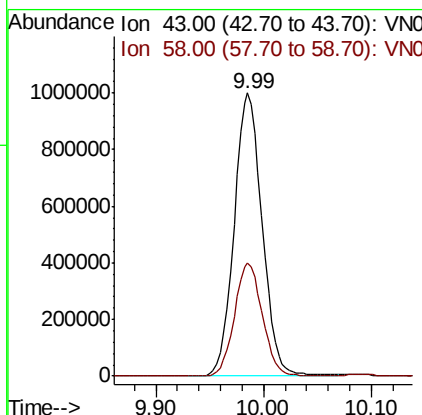
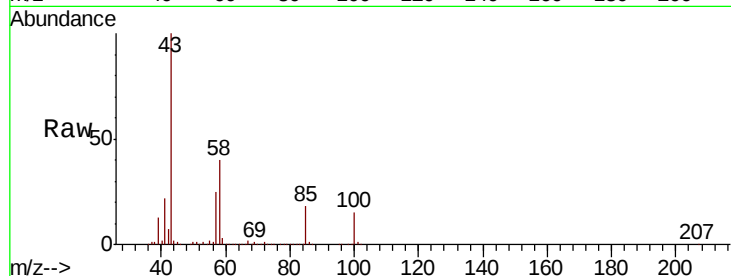
#51
4-Methyl-2-Pentanone
Concen: 250.899 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1804602
Ion Ratio Lower Upper
43 100
58 40.0 31.9 47.9

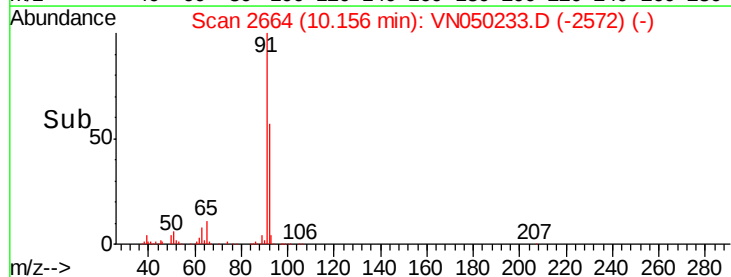
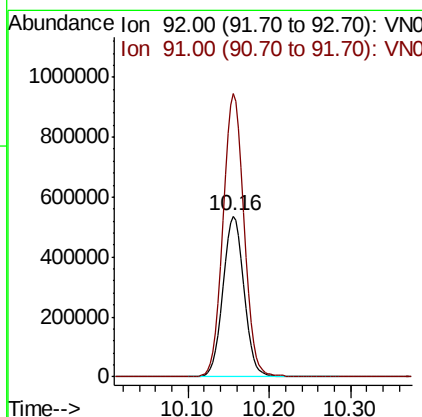
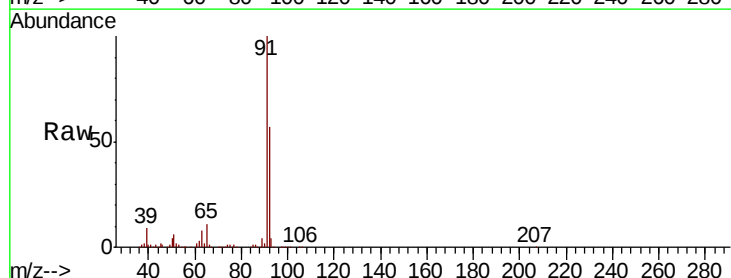
Manual Integrations
APPROVED

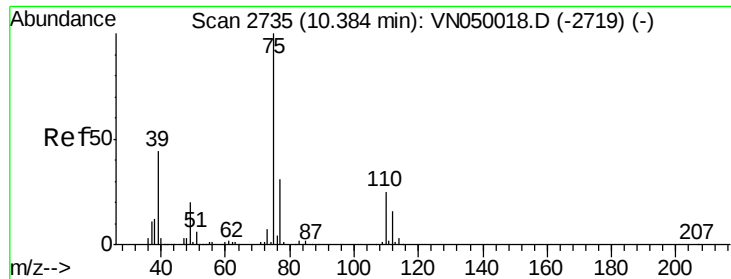
MMDadoda
8/2/2018 9:53:36 AM



#52
Toluene
Concen: 52.273 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 92 Resp: 985328
Ion Ratio Lower Upper
92 100
91 175.9 140.3 210.5





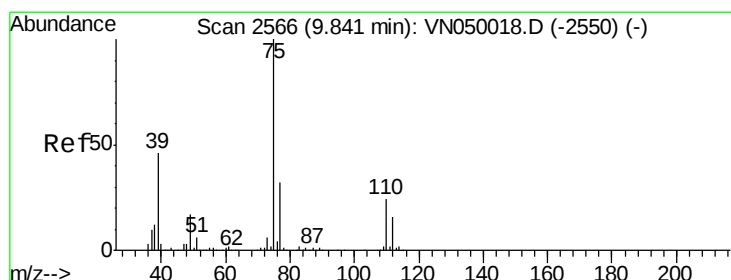
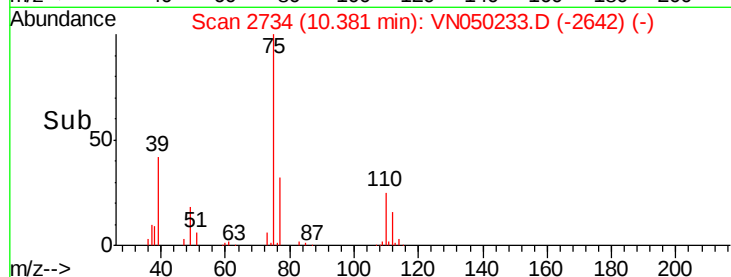
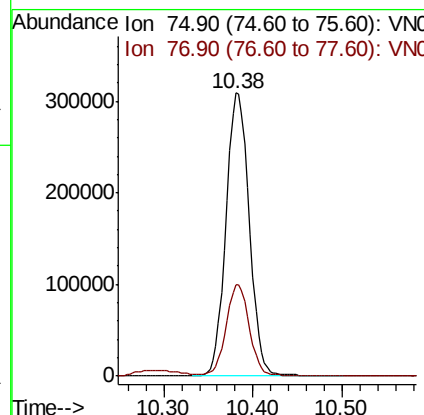
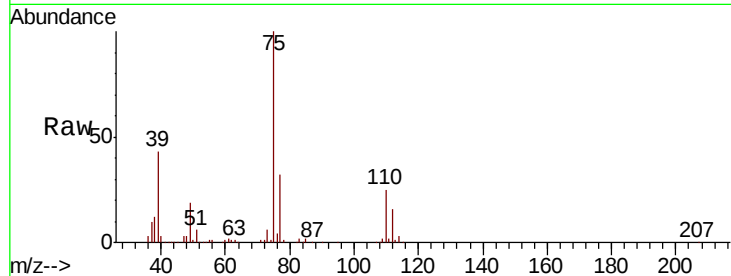
#53
t-1,3-Dichloropropene
Concen: 53.502 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3

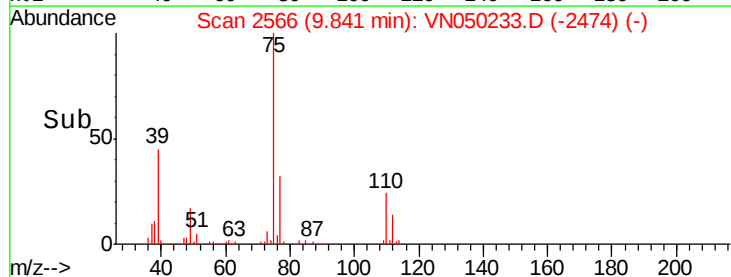
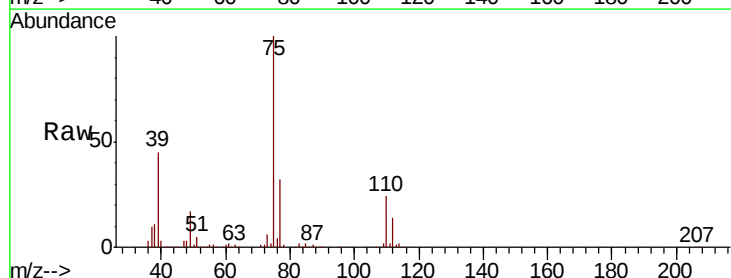
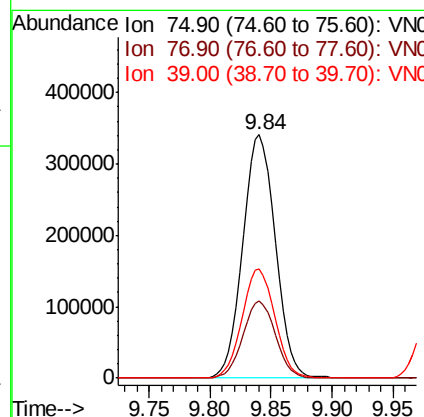
Manual Integrations
APPROVED

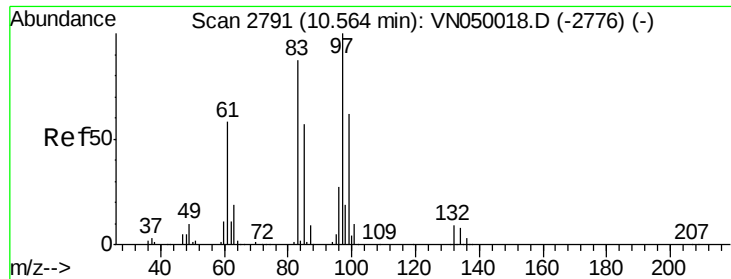
MMDadoda
8/2/2018 9:53:36 AM



#54
cis-1,3-Dichloropropene
Concen: 52.607 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.5	38.3
39	44.8	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 49.761 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 372049

Ion Ratio Lower Upper

97 100

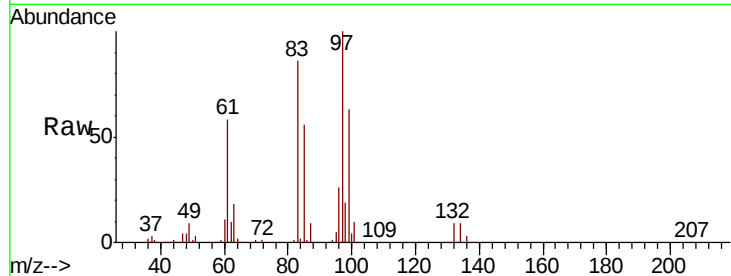
83 85.8 69.2 103.8

85 56.1 44.0 66.0

99 62.9 49.9 74.9

Manual Integrations
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MMDadoda
8/2/2018 9:53:36 AM

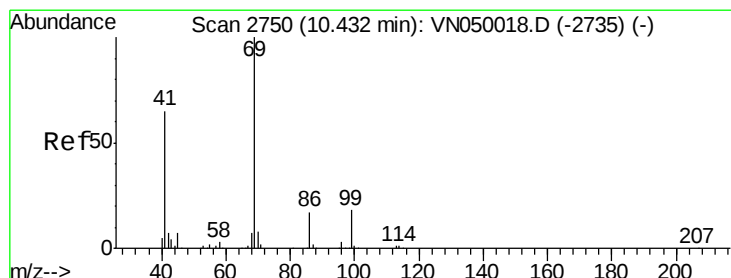
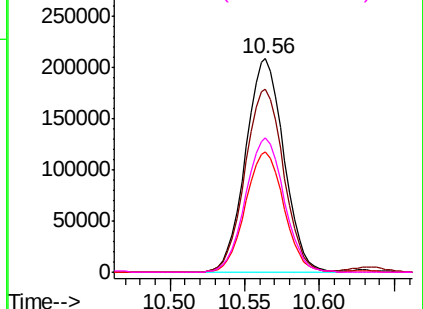
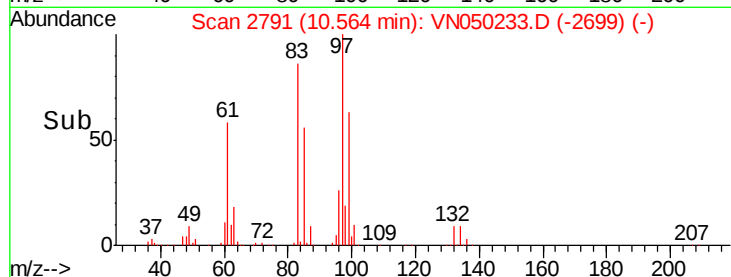


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 46.782 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

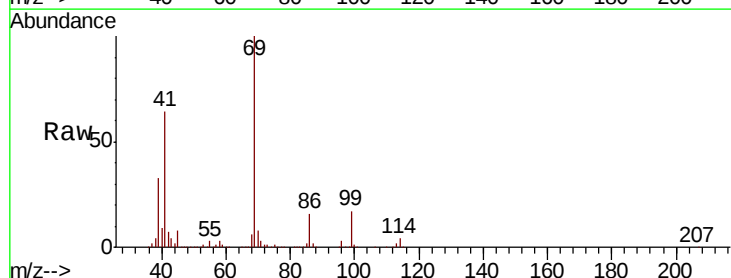
Tgt Ion: 69 Resp: 472439

Ion Ratio Lower Upper

69 100

41 62.8 51.0 76.4

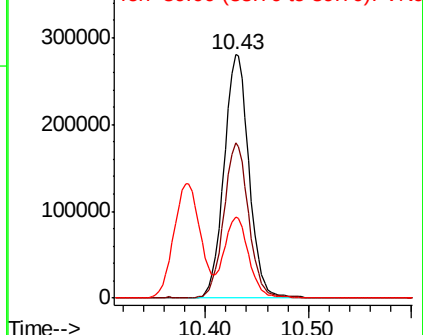
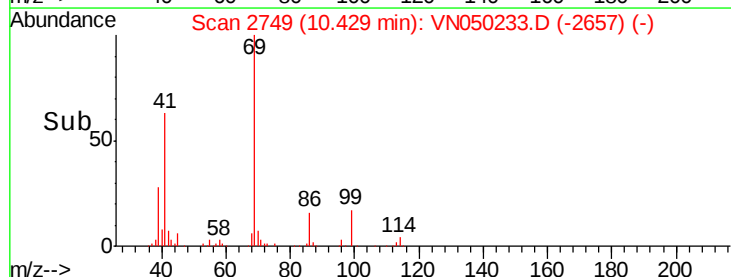
39 32.0 26.6 40.0

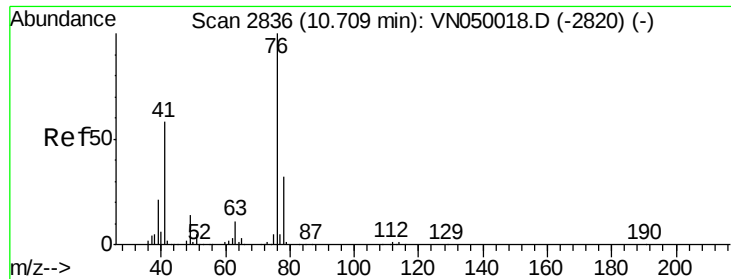


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





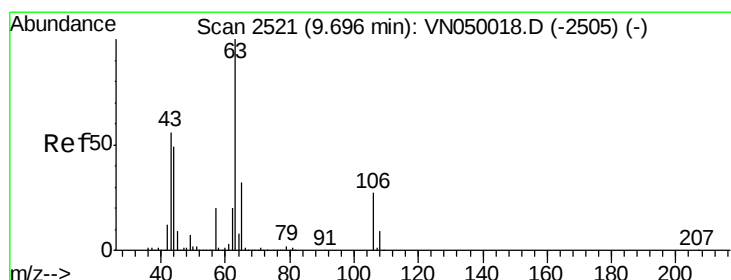
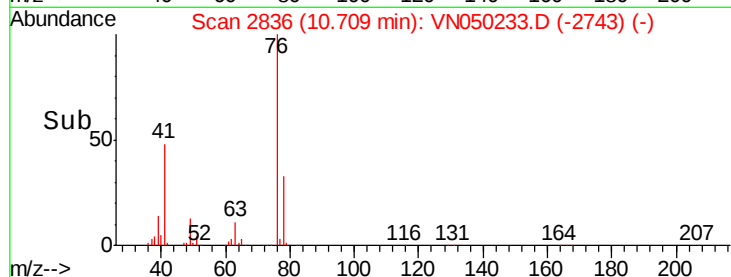
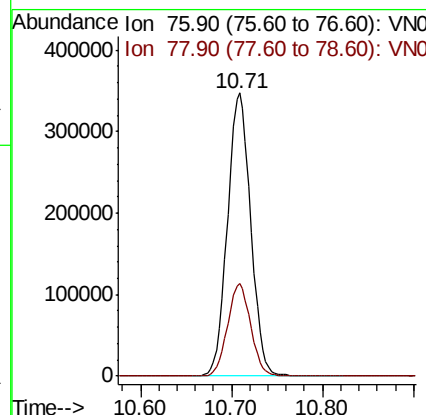
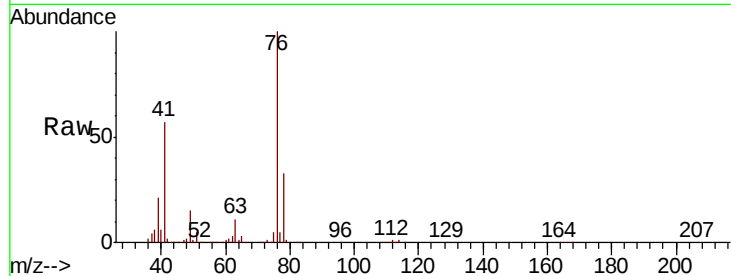
#57
 1,3-Dichloropropane
 Concen: 50.535 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 615268
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

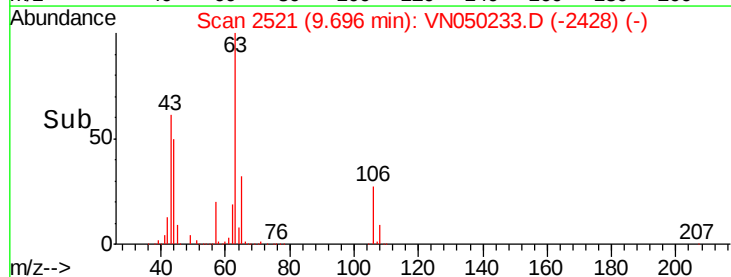
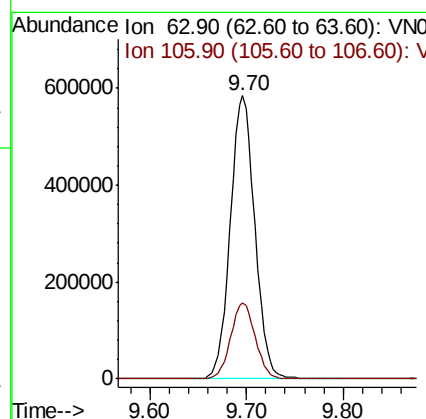
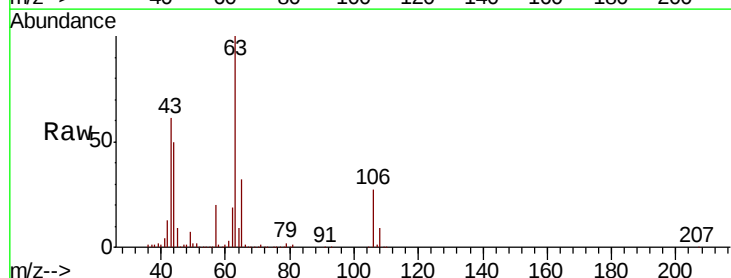
Manual Integrations
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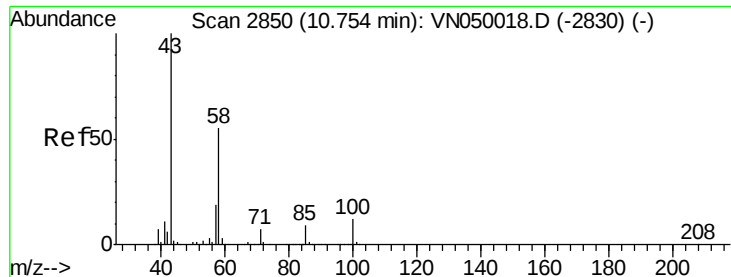
MMDadoda
 8/2/2018 9:53:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 218.629 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion: 63 Resp: 1029273
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.7 32.5





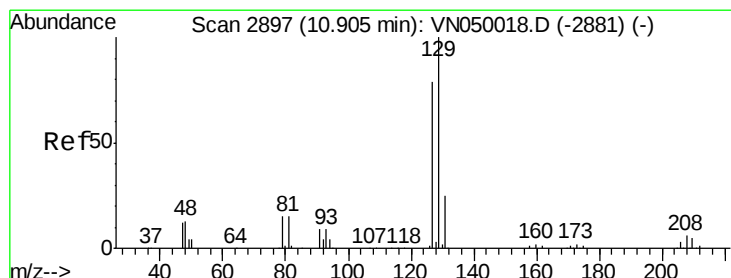
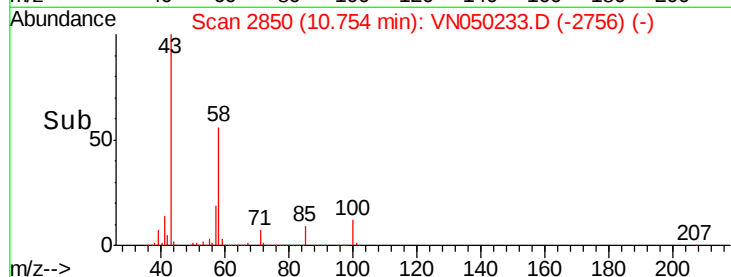
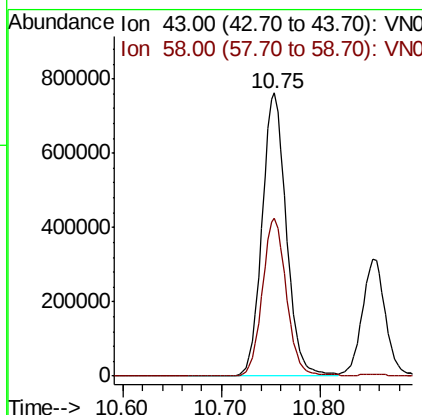
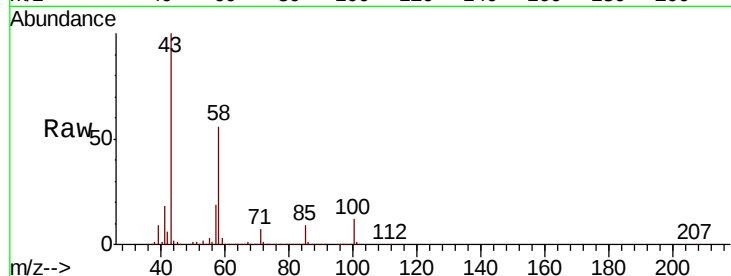
#59
2-Hexanone
Concen: 243.395 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1285646
Ion Ratio Lower Upper
43 100
58 55.6 27.6 82.7

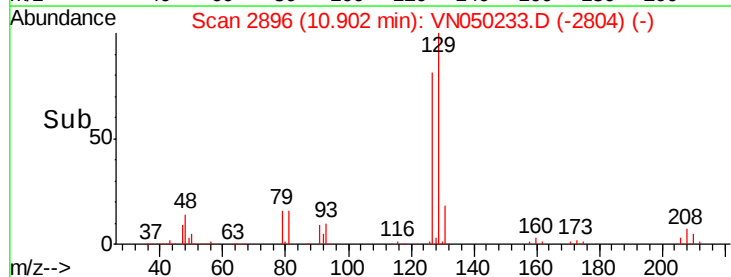
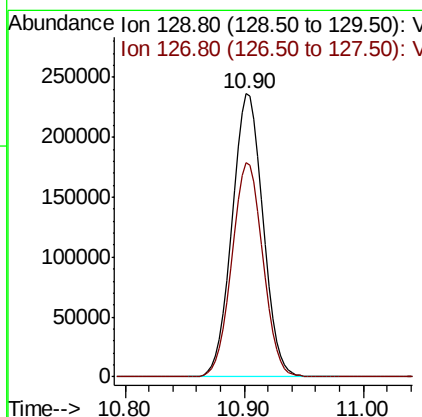
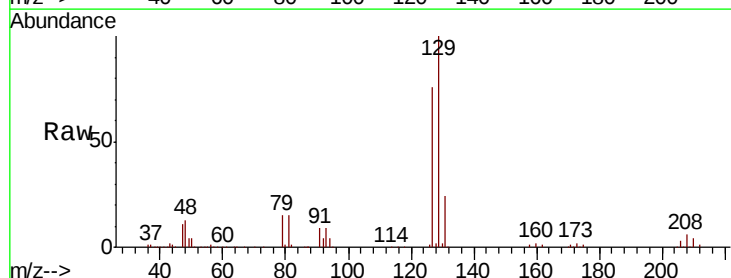
Manual Integrations
APPROVED

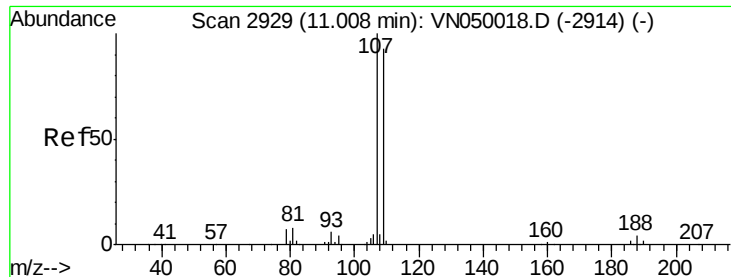
MMDadoda
8/2/2018 9:53:36 AM



#60
Dibromochloromethane
Concen: 51.500 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 129 Resp: 426312
Ion Ratio Lower Upper
129 100
127 76.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 49.469 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 366975

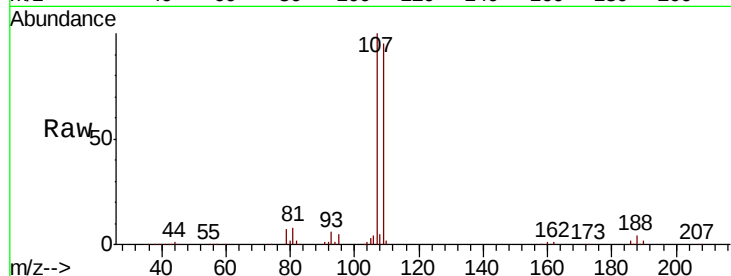
Ion Ratio Lower Upper

107 100

109 94.0 74.6 112.0

Manual Integrations
APPROVED

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8/2/2018 9:53:36 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

150000

100000

50000

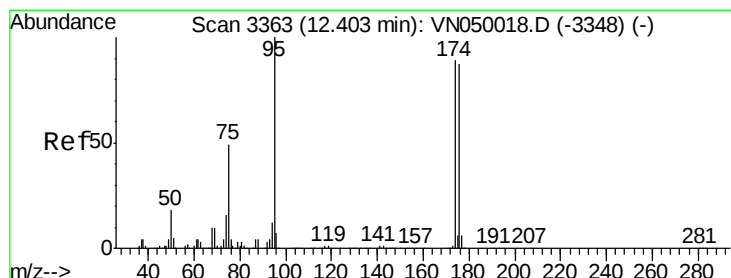
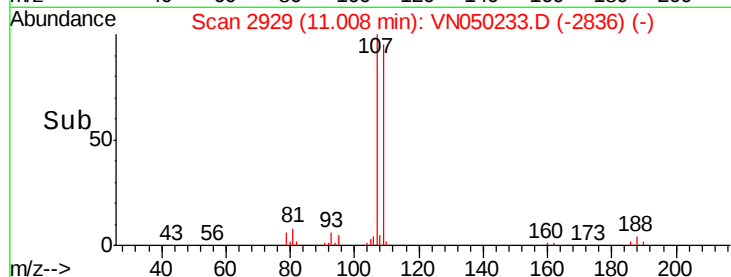
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 54.461 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

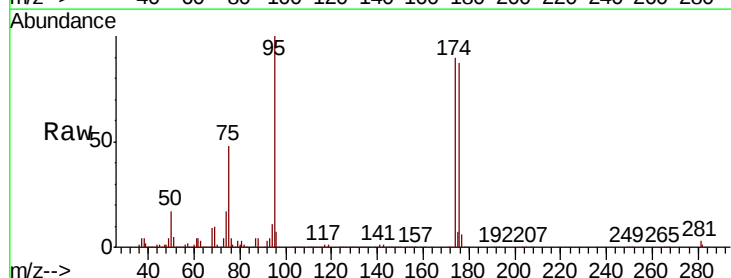
Tgt Ion: 95 Resp: 501384

Ion Ratio Lower Upper

95 100

174 89.8 0.0 178.2

176 87.1 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

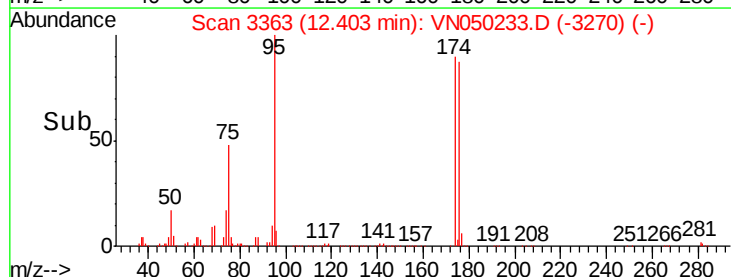
0

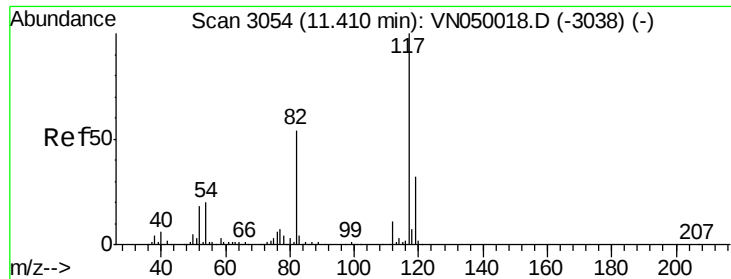
Time-->

12.35

12.40

12.45





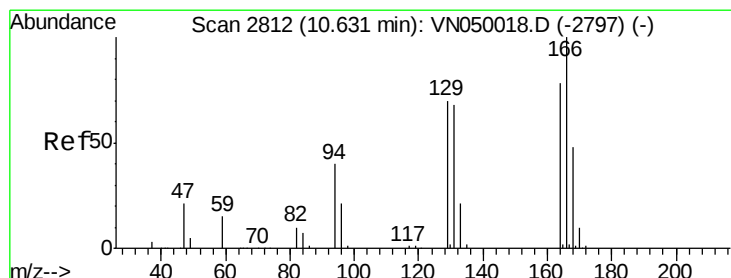
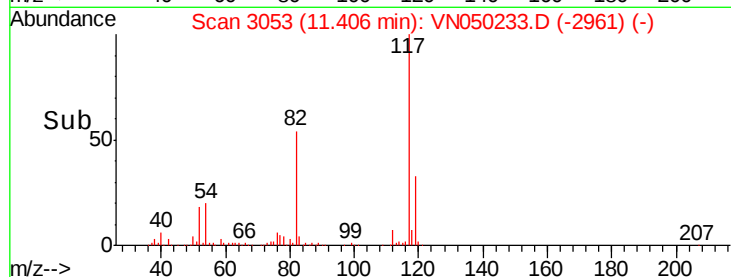
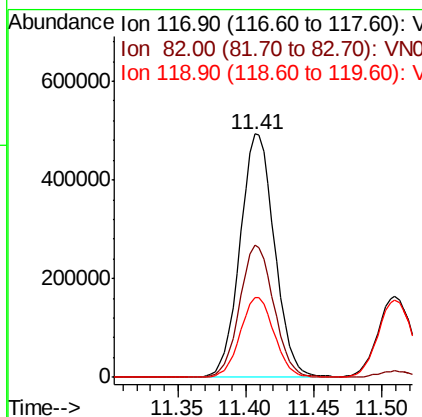
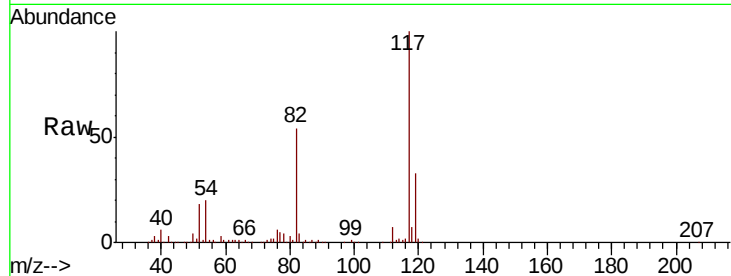
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.7	65.5
119	32.7	26.1	39.1

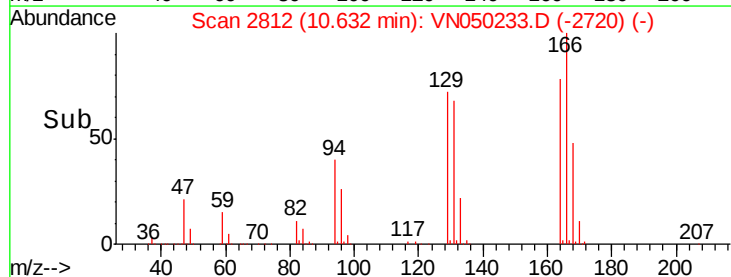
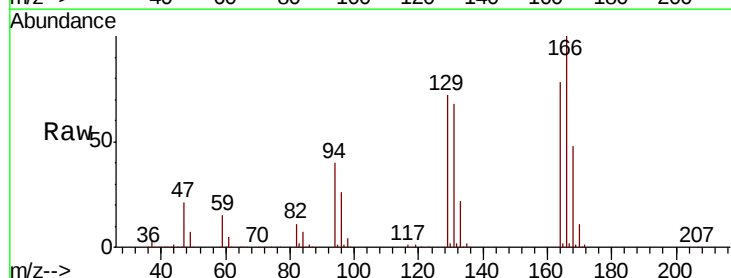
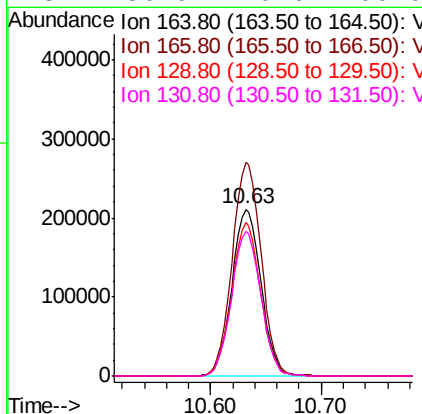
Manual Integrations
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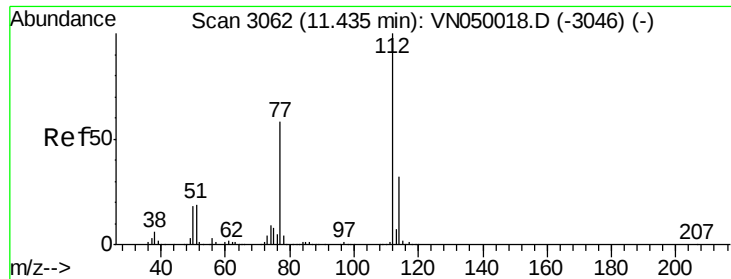
MMDadoda
8/2/2018 9:53:36 AM



#64
Tetrachloroethene
Concen: 46.318 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.1	153.1
129	91.8	73.2	109.8
131	86.9	70.6	106.0





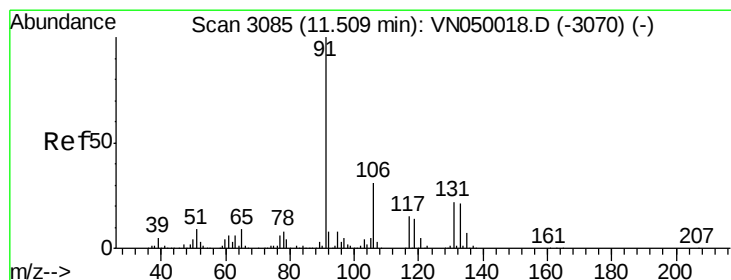
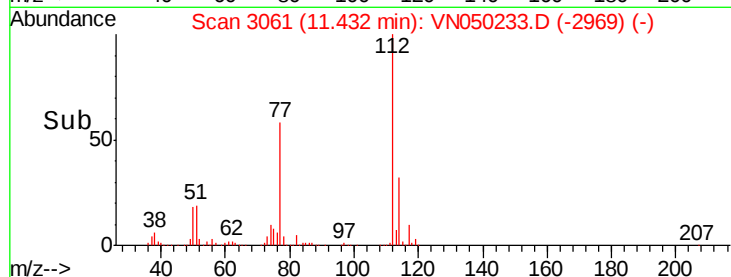
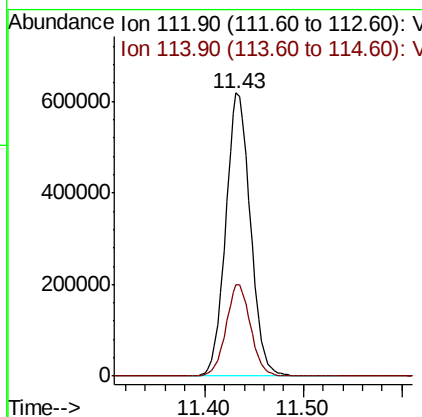
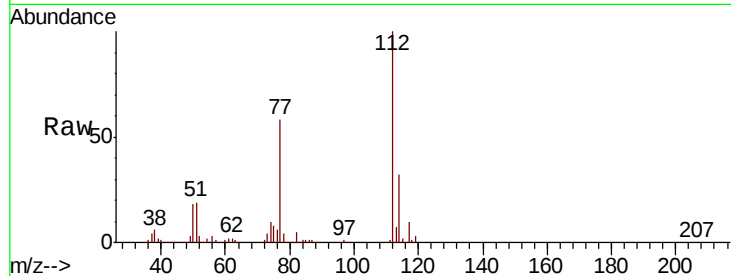
#65
Chlorobenzene
Concen: 49.548 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1083750
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

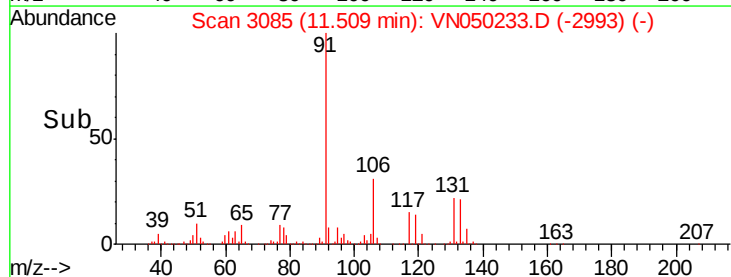
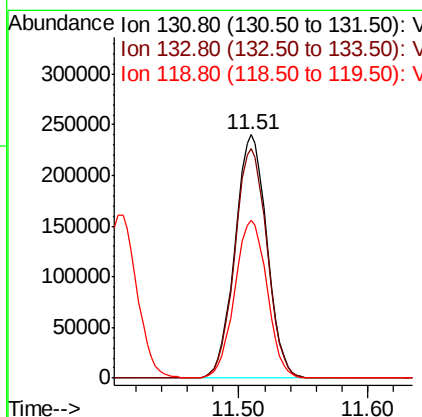
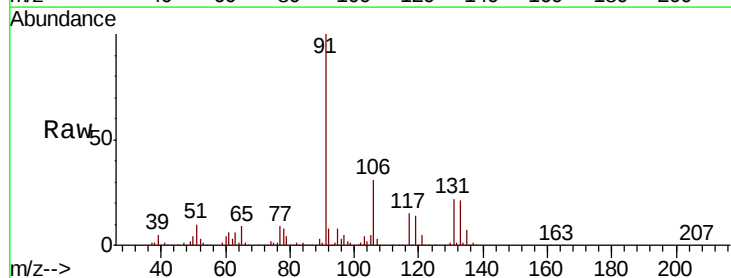
Manual Integrations
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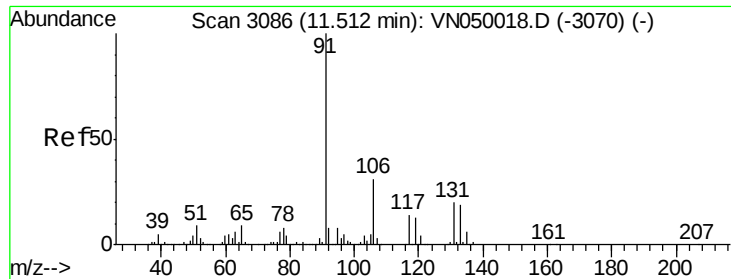
MMDadoda
8/2/2018 9:53:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.256 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:131 Resp: 413951
Ion Ratio Lower Upper
131 100
133 95.3 47.3 141.9
119 65.7 32.9 98.7





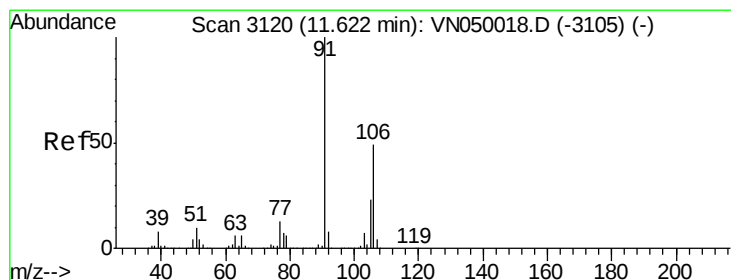
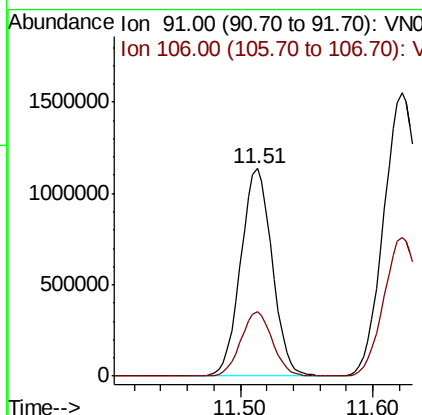
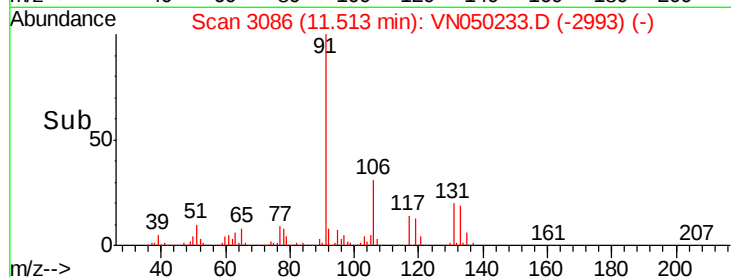
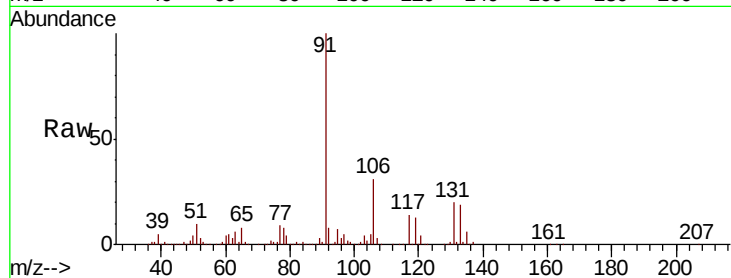
#67
Ethyl Benzene
Concen: 53.299 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1872671
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4

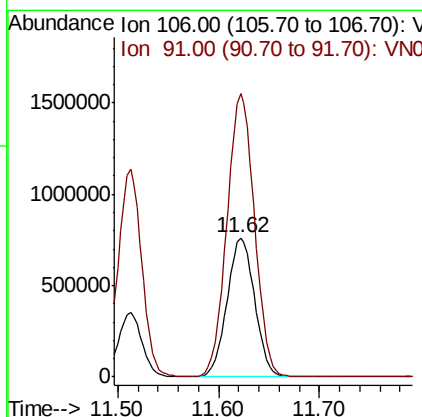
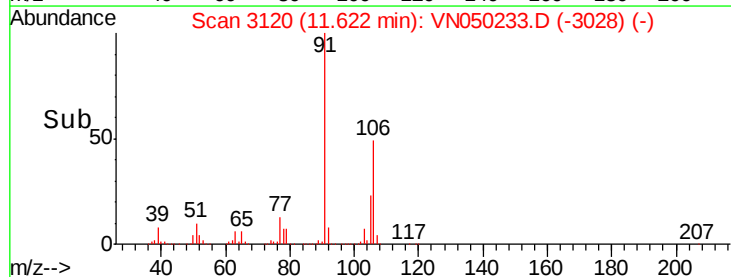
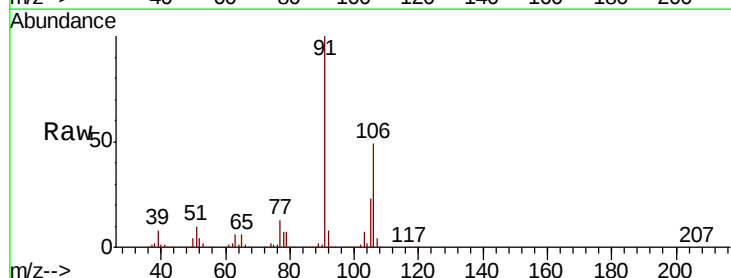
Manual Integrations
APPROVED

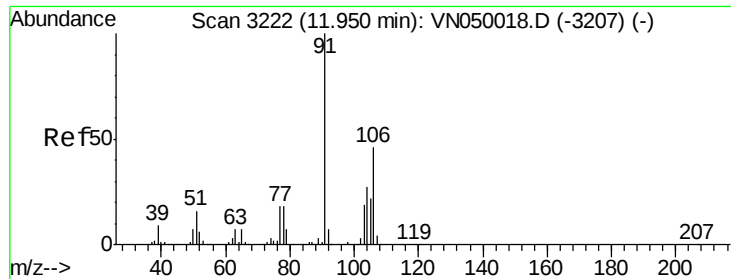
MMDadoda
8/2/2018 9:53:36 AM



#68
m/p-Xylenes
Concen: 109.431 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion: 106 Resp: 1454312
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2





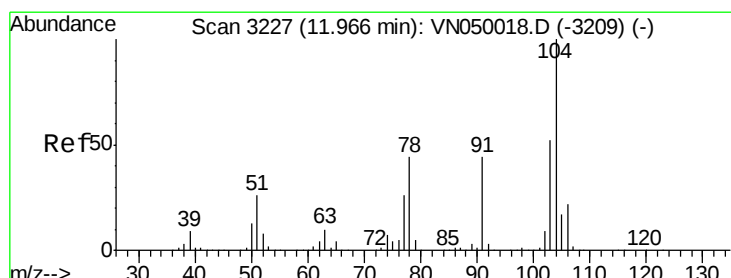
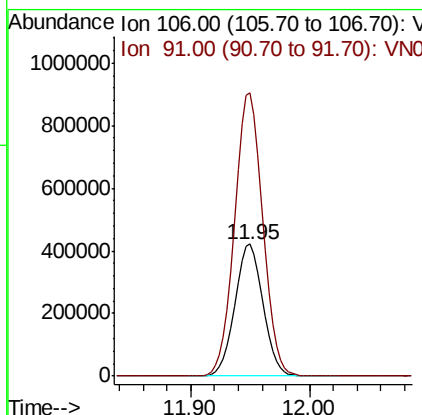
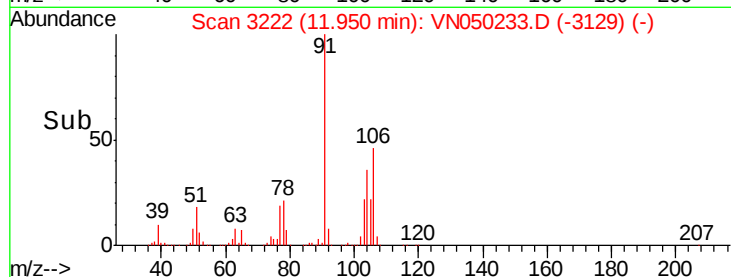
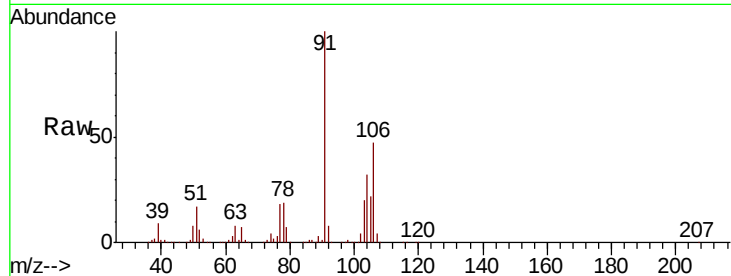
#69
o-Xylene
Concen: 54.557 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 691177
Ion Ratio Lower Upper
106 100
91 214.8 107.7 323.1

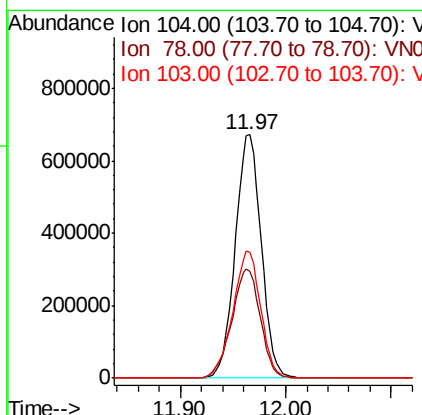
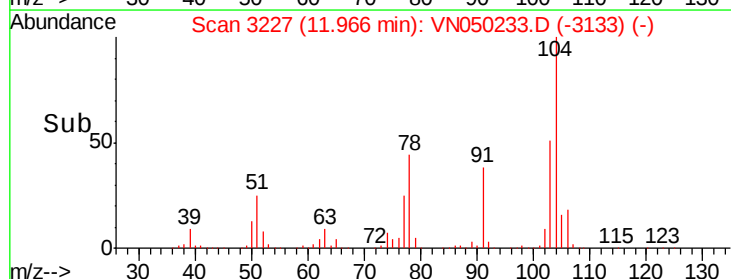
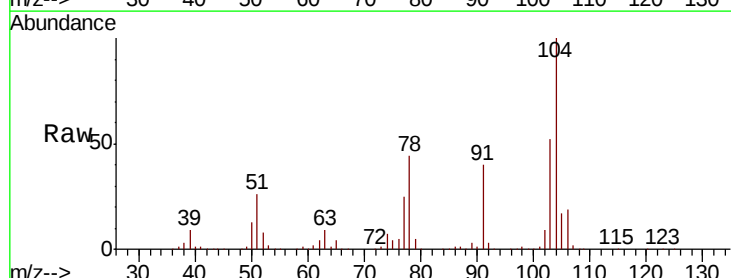
Manual Integrations
APPROVED

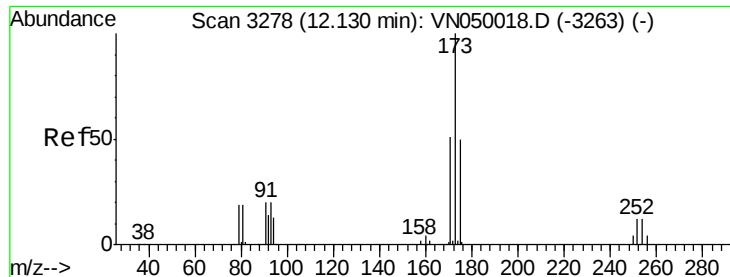
MMDadoda
8/2/2018 9:53:36 AM



#70
Styrene
Concen: 50.896 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion:104 Resp: 1147162
Ion Ratio Lower Upper
104 100
78 49.1 39.3 58.9
103 55.9 45.0 67.6





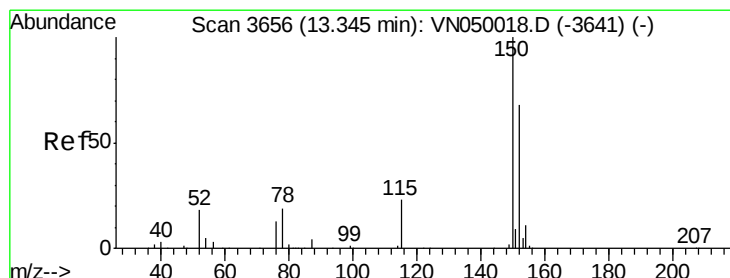
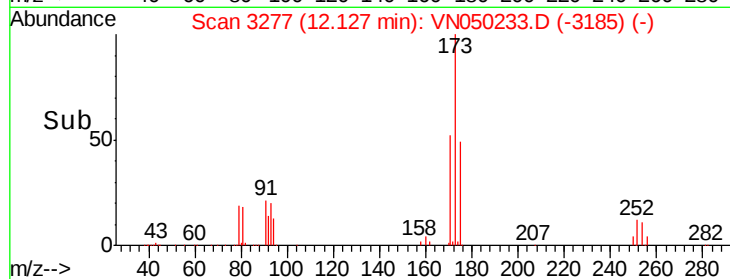
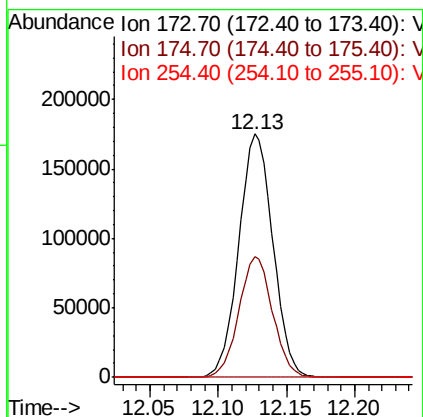
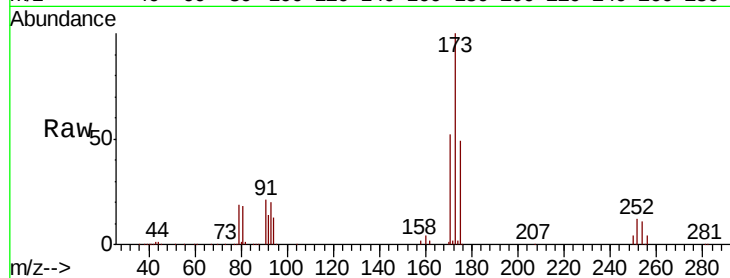
#71
Bromoform
Concen: 49.692 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.1	0.2	0.2#

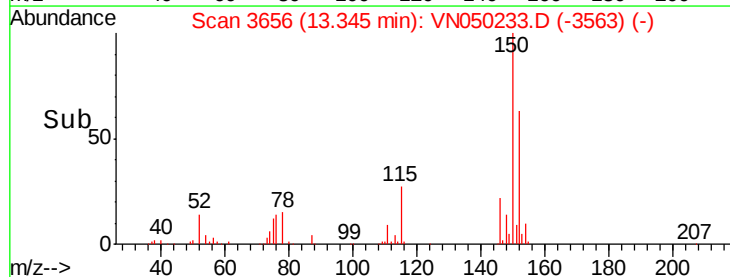
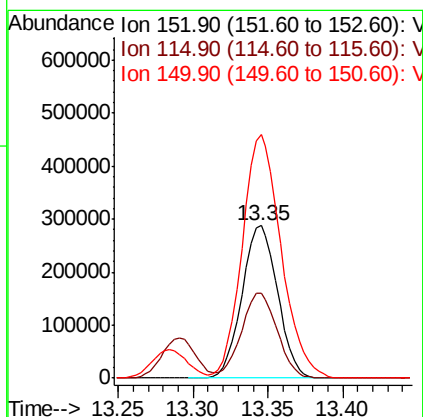
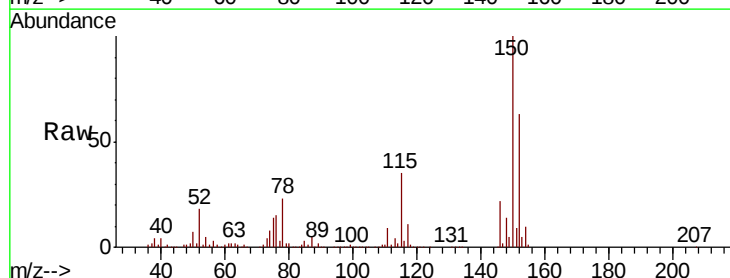
Manual Integrations
APPROVED

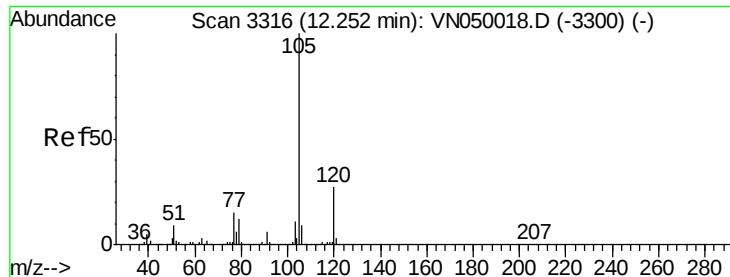
MMDadoda
8/2/2018 9:53:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.8	83.3
150	174.2	0.0	348.6





#73

Isopropylbenzene

Concen: 50.494 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1868115

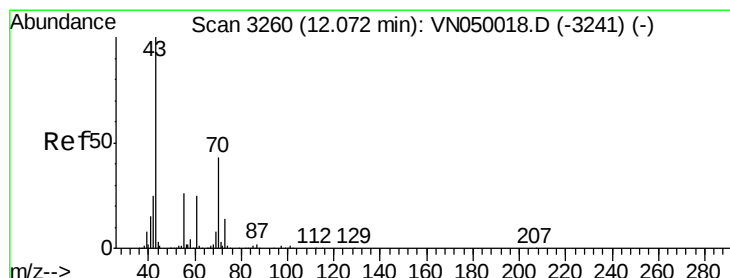
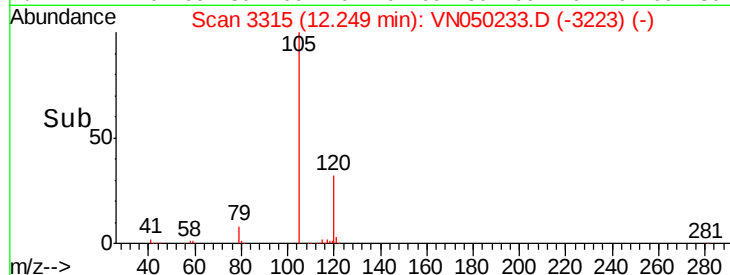
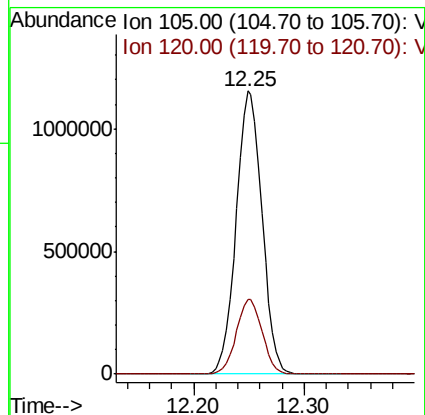
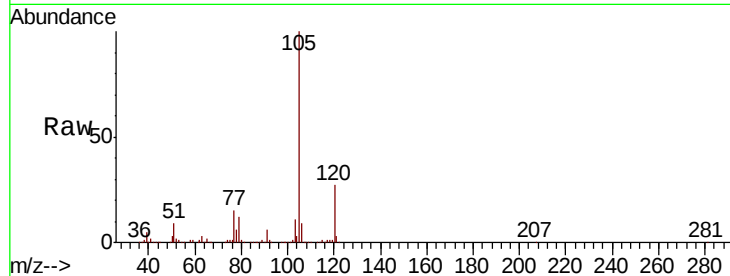
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
8/2/2018 9:53:36 AM



#74

N-ethyl acetate

Concen: 47.226 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion: 43 Resp: 534002

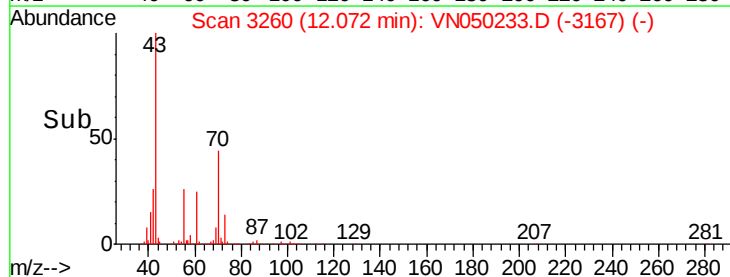
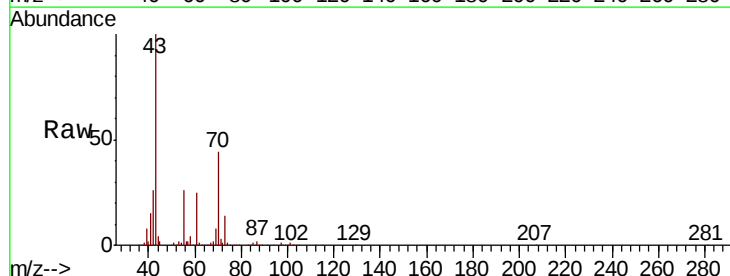
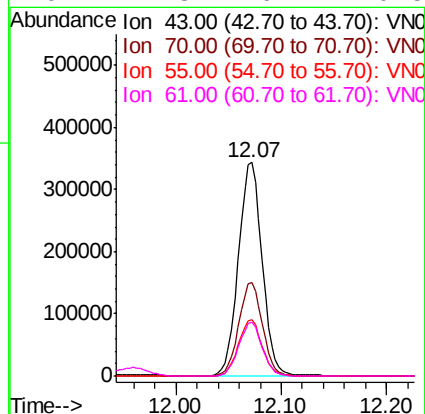
Ion Ratio Lower Upper

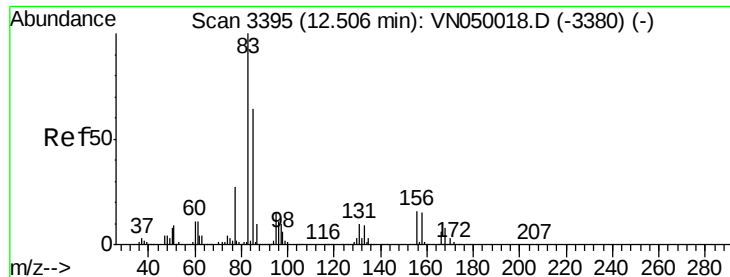
43 100

70 43.6 34.4 51.6

55 26.6 20.8 31.2

61 24.8 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.611 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

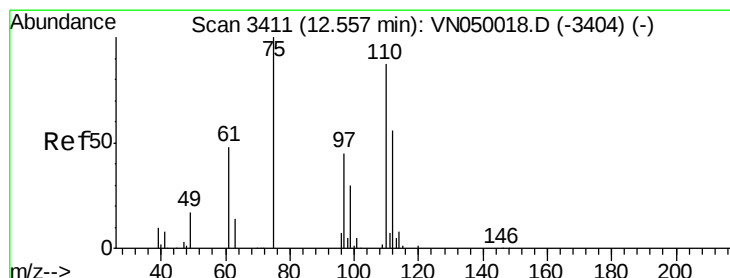
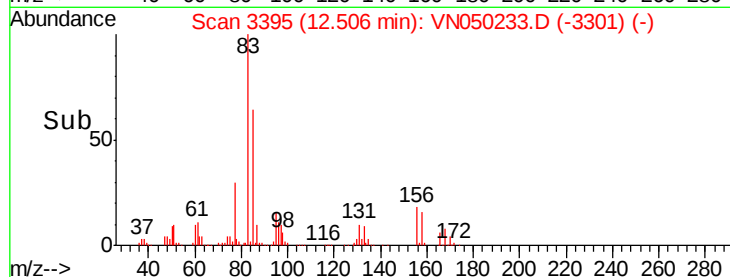
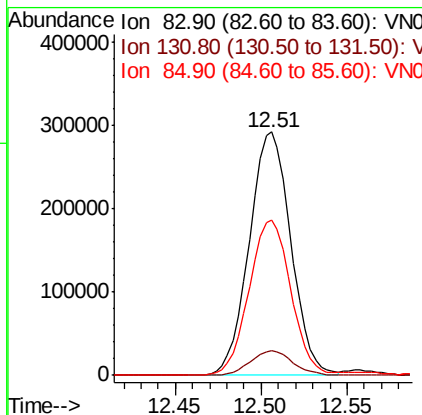
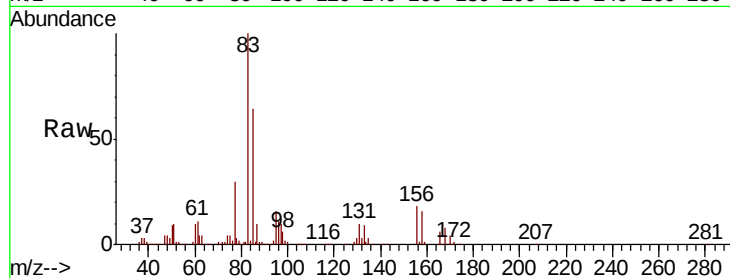
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	490361
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.164 ug/l m

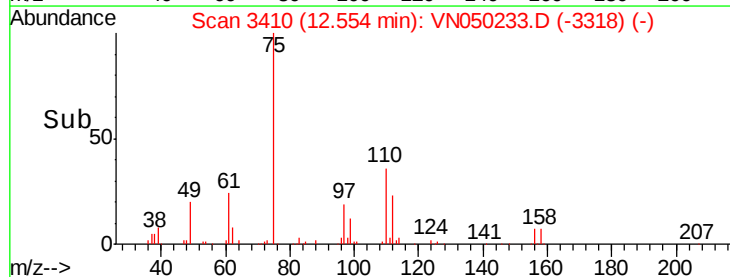
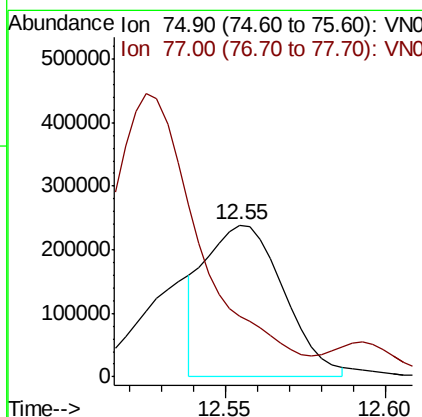
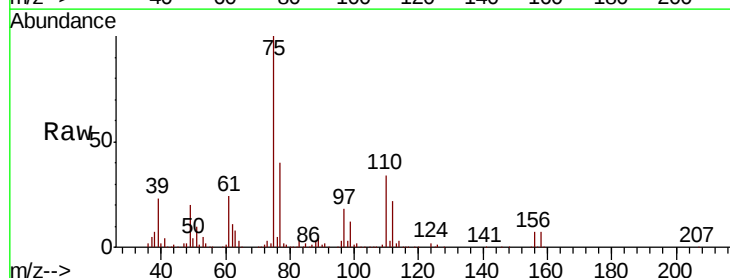
RT: 12.55 min Scan# 3410

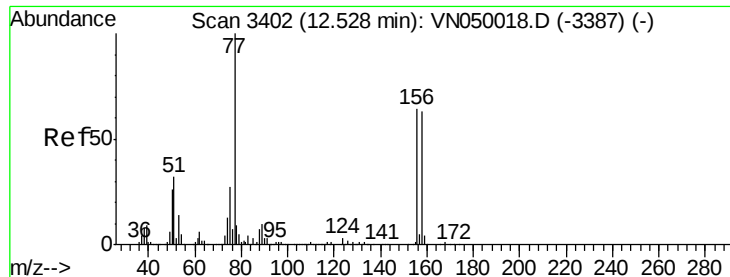
Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion:	75	Resp:	409266
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.351 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

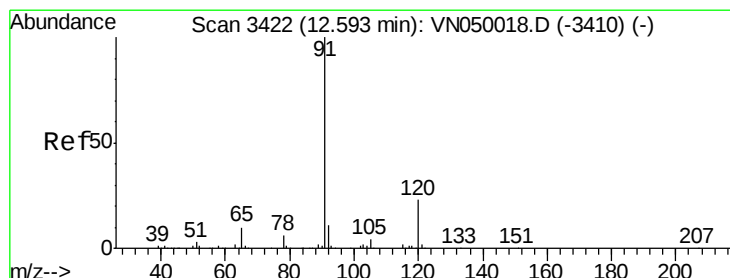
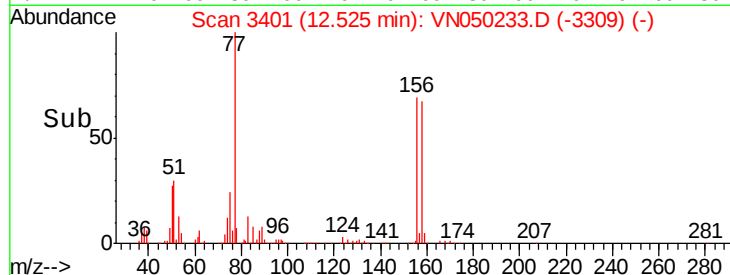
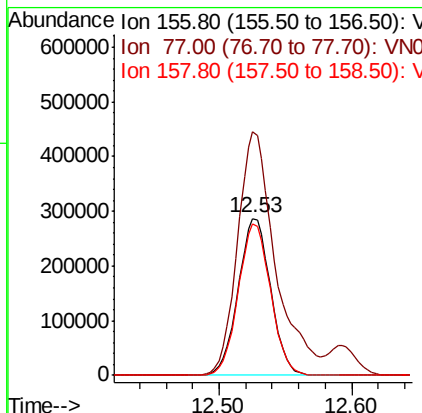
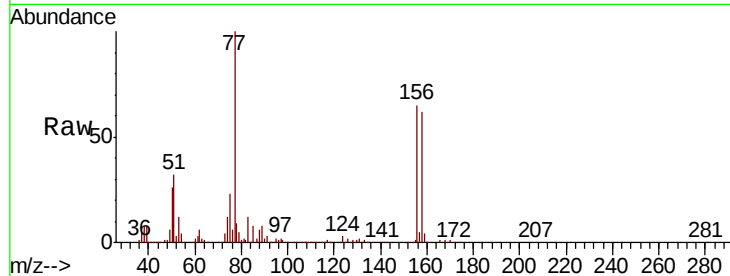
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	485527
Ion Ratio	Lower	Upper	
156	100		
77	183.0	91.7	275.1
158	96.4	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 53.177 ug/l

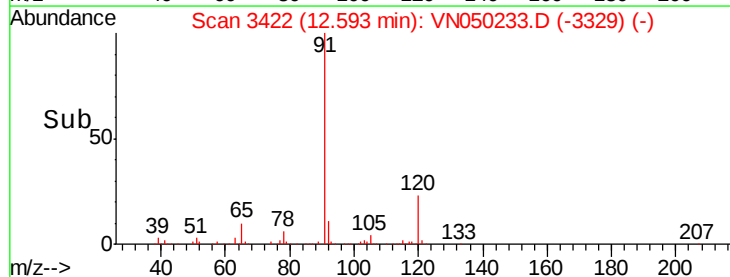
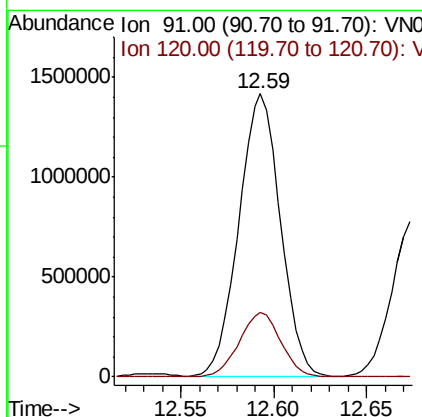
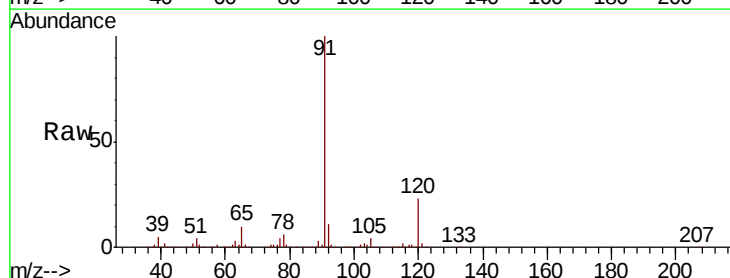
RT: 12.59 min Scan# 3422

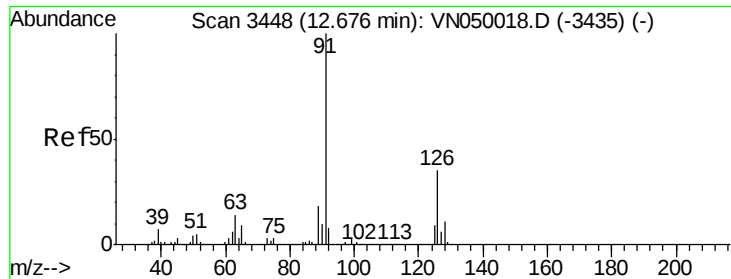
Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Tgt Ion:	91	Resp:	2199025
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.426 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1292456

Ion Ratio Lower Upper

91 100

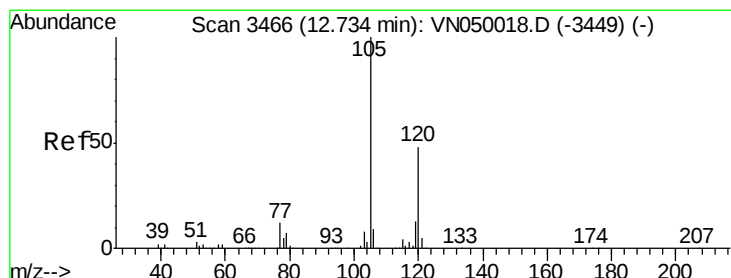
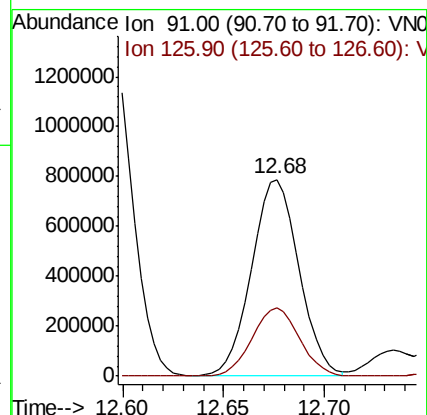
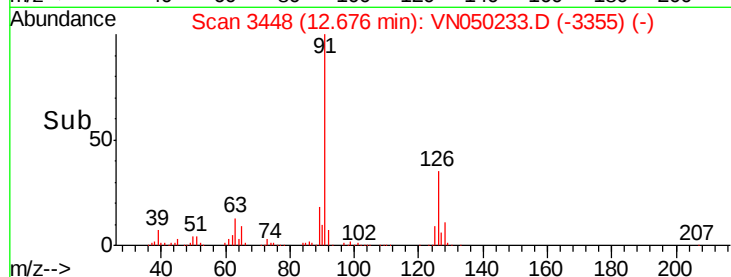
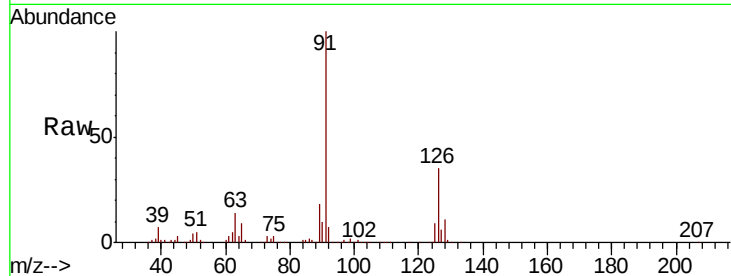
126 35.0 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.482 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050233.D

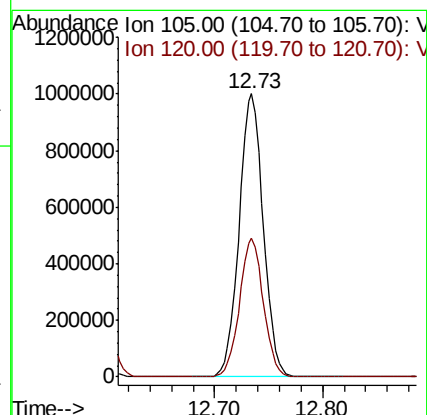
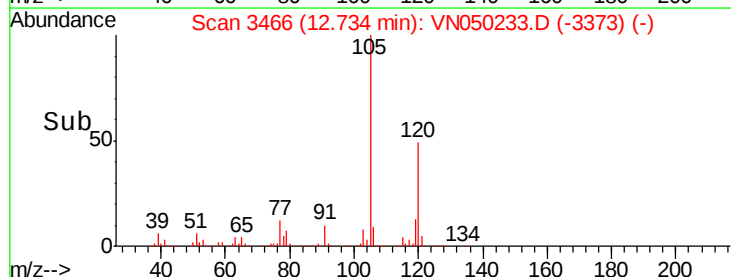
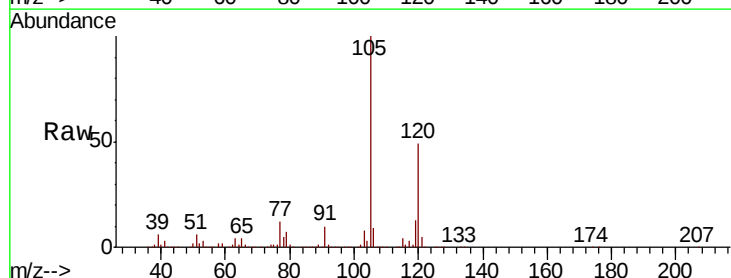
Acq: 1 Aug 2018 8:09

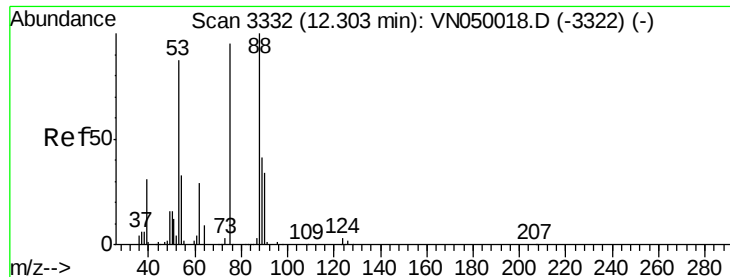
Tgt Ion: 105 Resp: 1556405

Ion Ratio Lower Upper

105 100

120 48.4 24.4 73.2





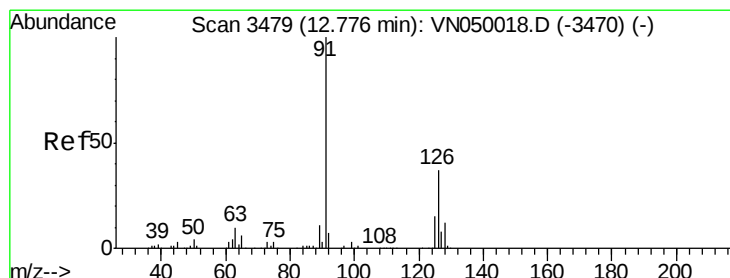
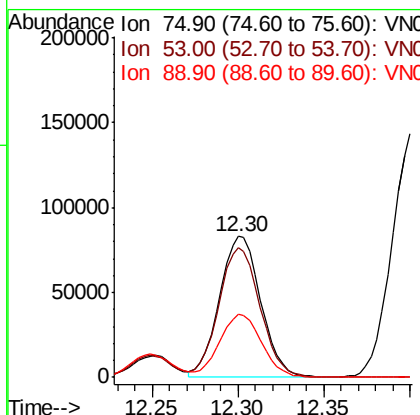
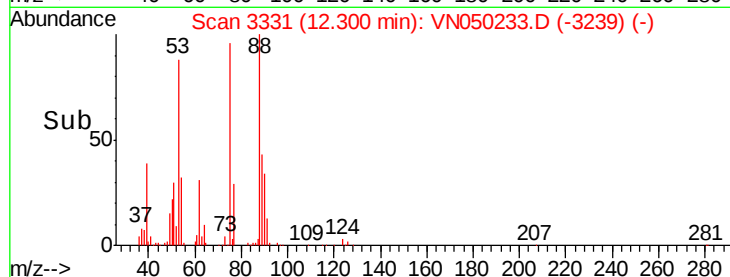
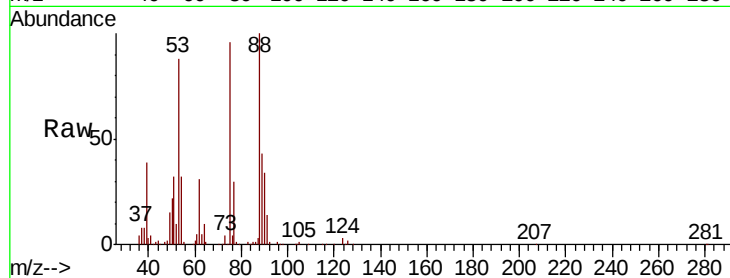
#81
trans-1,4-Dichloro-2-butene
Concen: 49.048 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.4	73.5	110.3
89	46.3	36.0	54.0

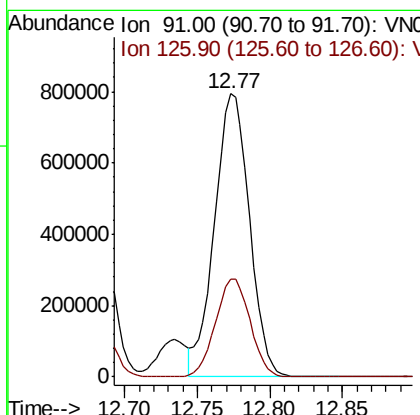
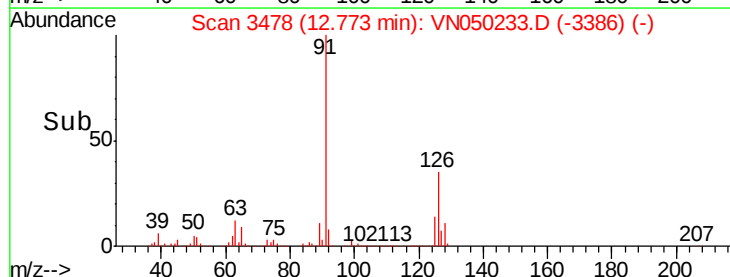
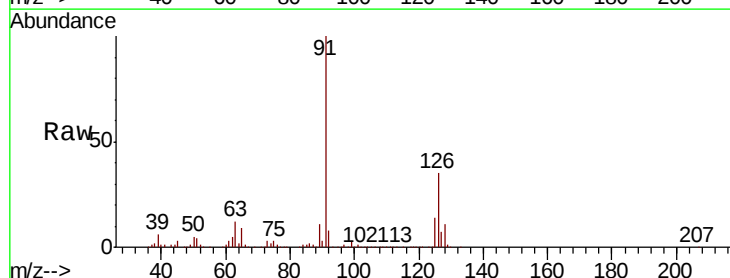
Manual Integrations
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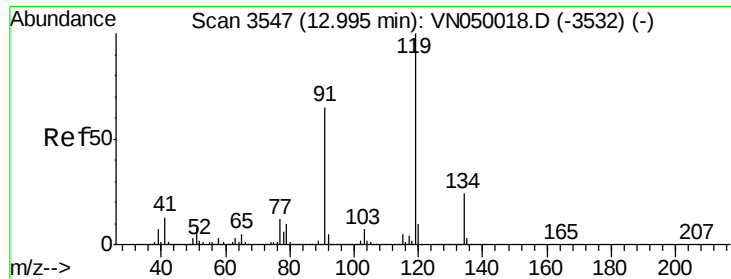
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#82
4-Chlorotoluene
Concen: 52.083 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





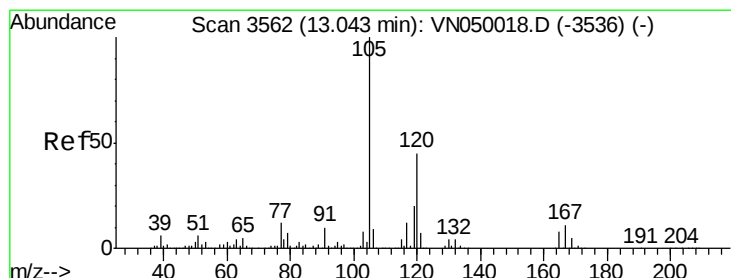
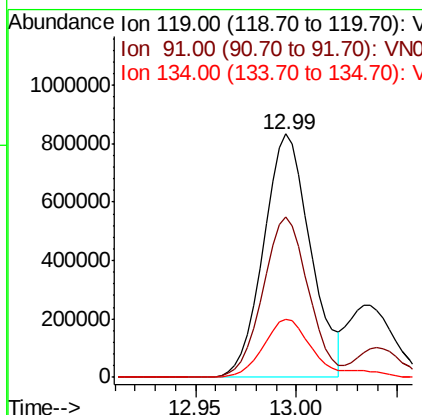
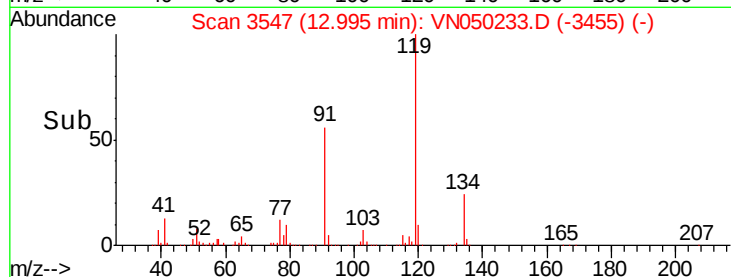
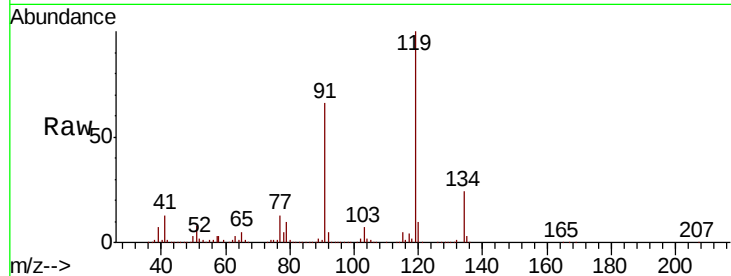
#83
 tert-Butylbenzene
 Concen: 53.131 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1349334
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 23.9 13.2 39.5

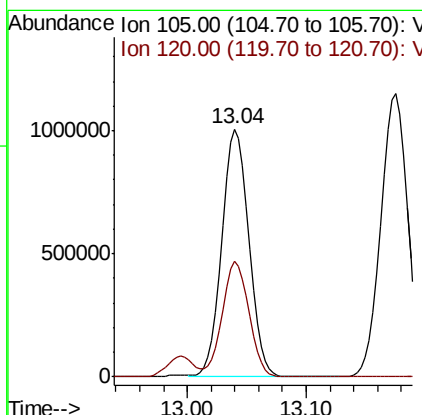
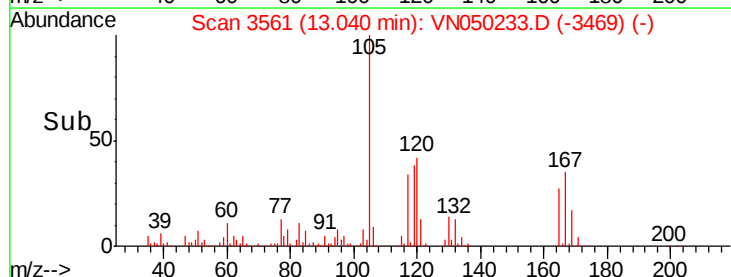
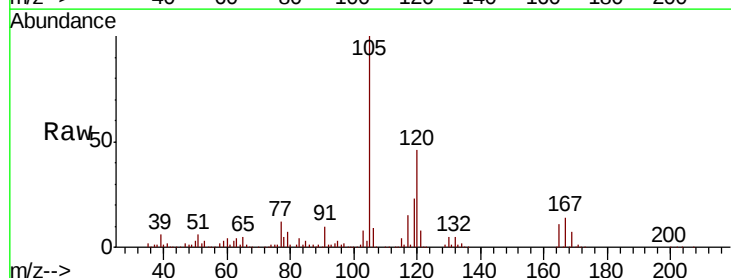
Manual Integrations
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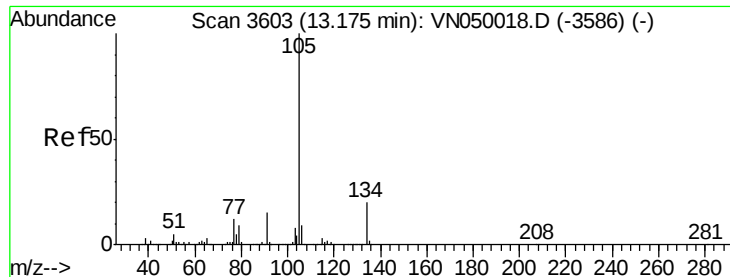
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.026 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion:105 Resp: 1584719
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 53.752 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1823989

Ion Ratio Lower Upper

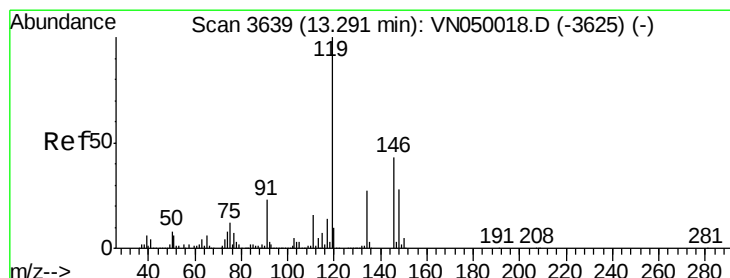
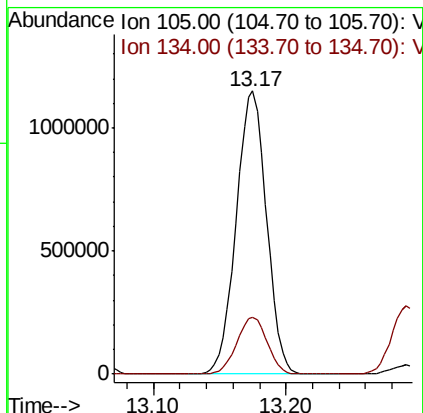
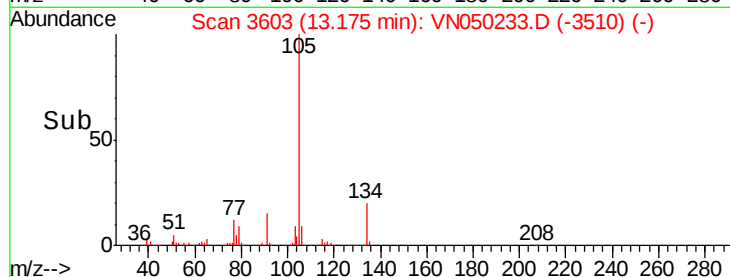
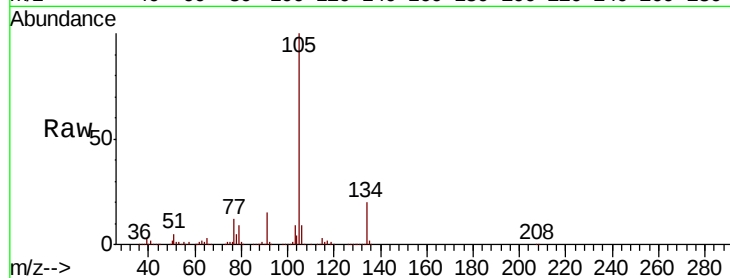
105 100

134 20.0 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 55.914 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050233.D

Acq: 1 Aug 2018 8:09

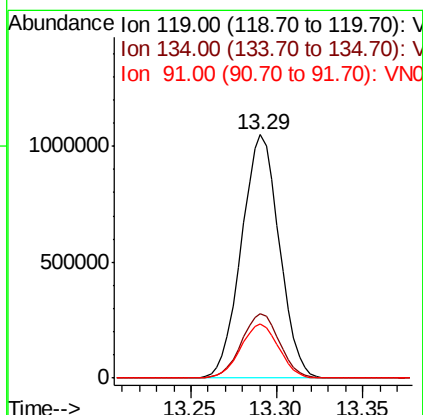
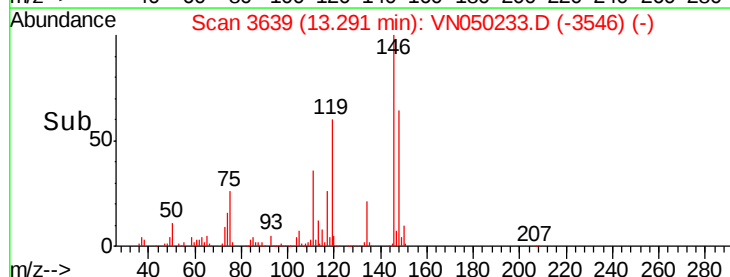
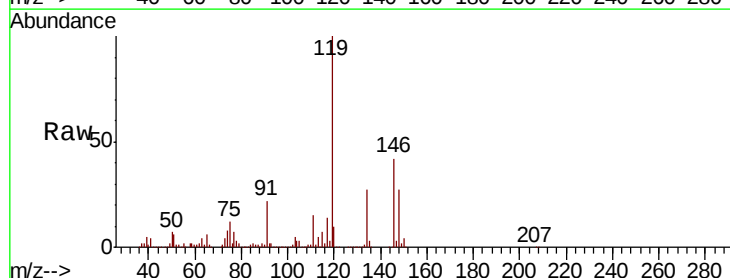
Tgt Ion:119 Resp: 1598744

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.4 11.4 34.2





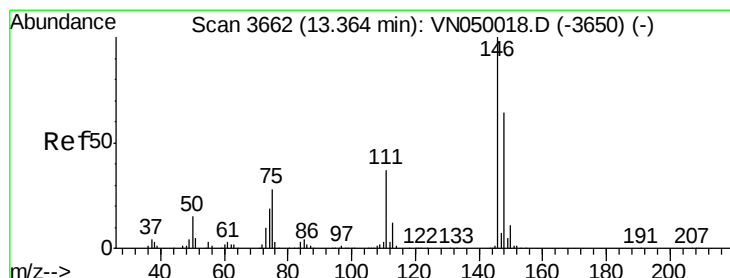
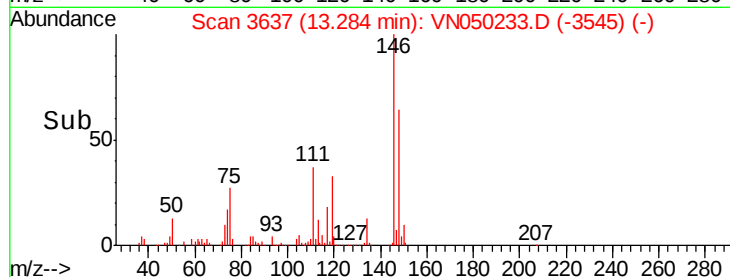
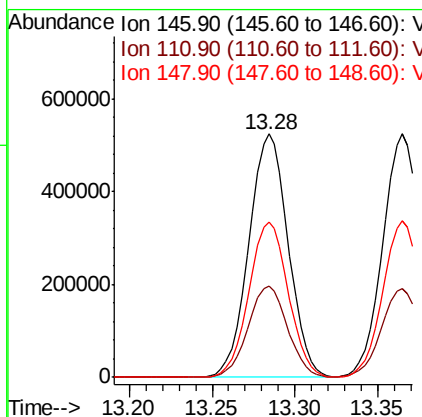
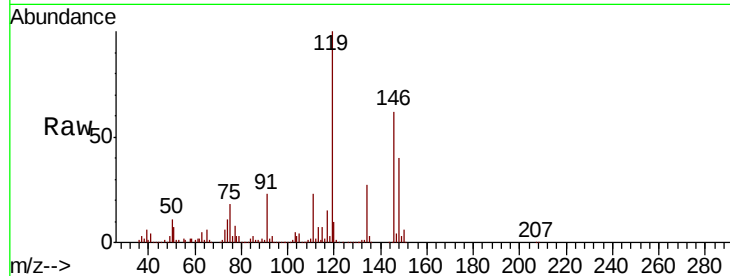
#87
 1,3-Dichlorobenzene
 Concen: 49.637 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	862821		
111	37.5	18.8	56.4	
148	63.9	31.9	95.9	

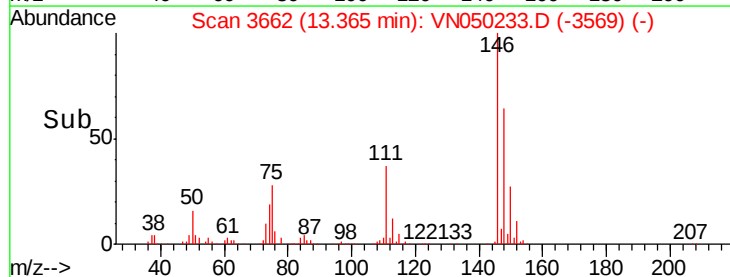
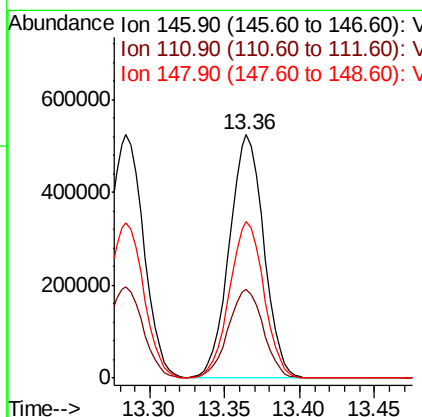
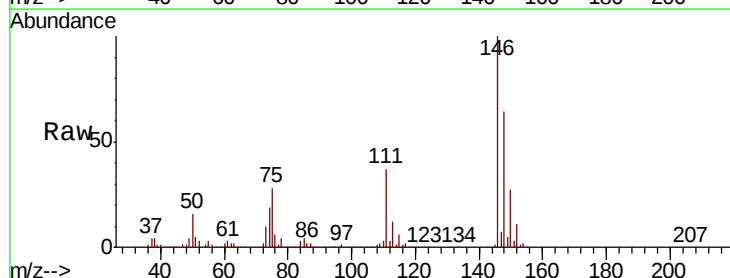
Manual Integrations
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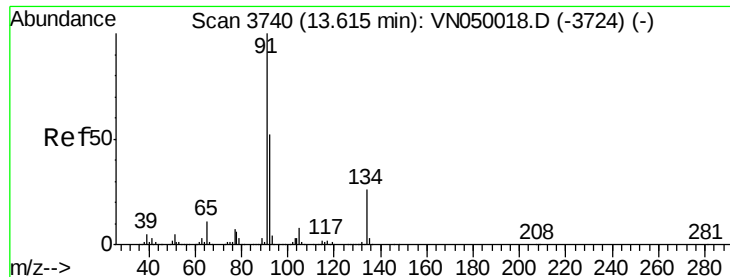
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 8/2/2018 9:53:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.602 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	840375		
111	37.3	18.3	54.9	
148	64.4	31.9	95.9	





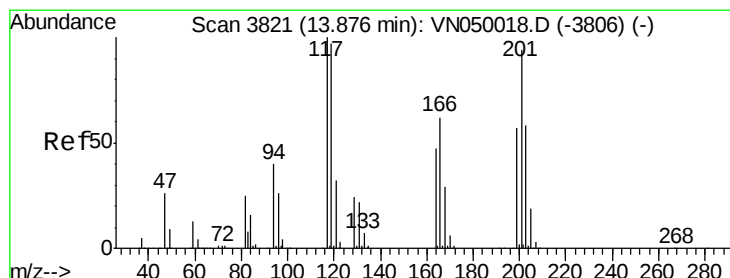
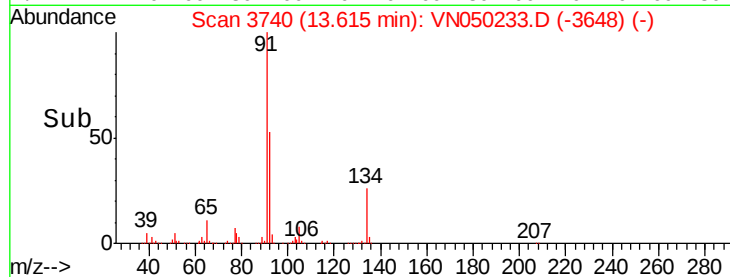
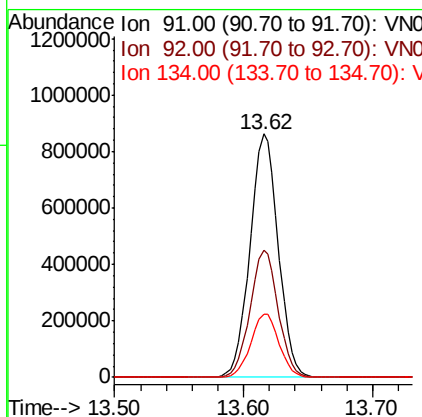
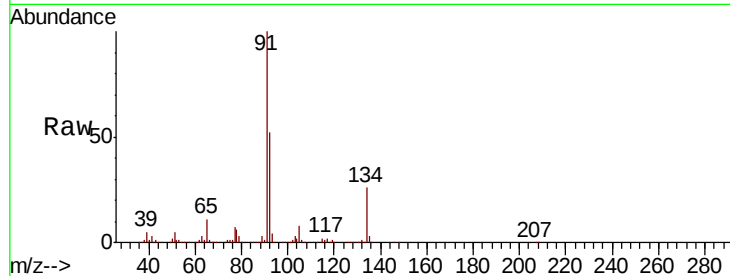
#89
n-Butylbenzene
Concen: 55.849 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.8	77.4
134	26.2	12.8	38.4

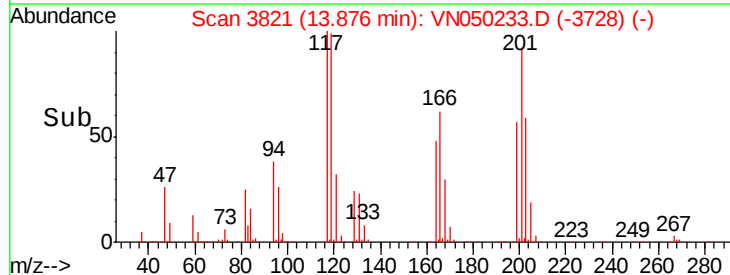
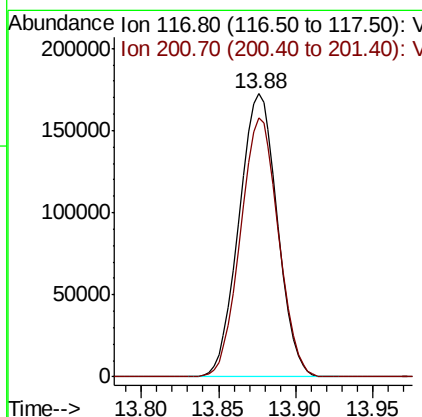
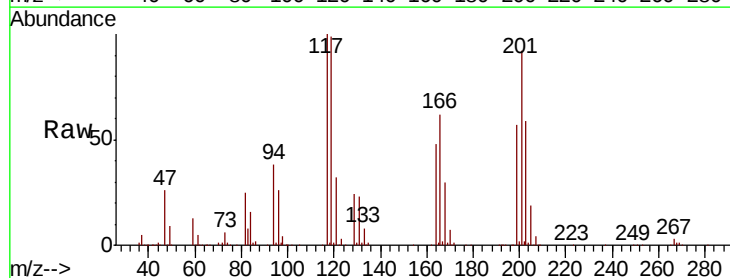
Manual Integrations
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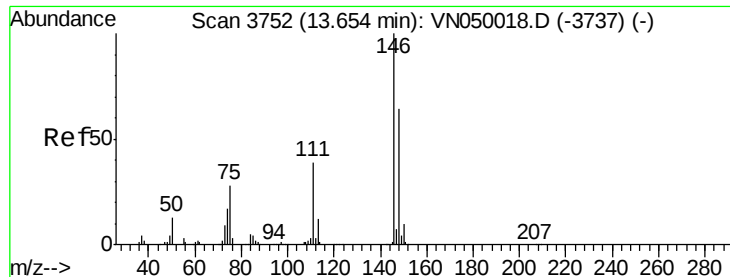
MMDadoda
8/2/2018 9:53:36 AM



#90
Hexachloroethane
Concen: 46.906 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	45.6	136.8





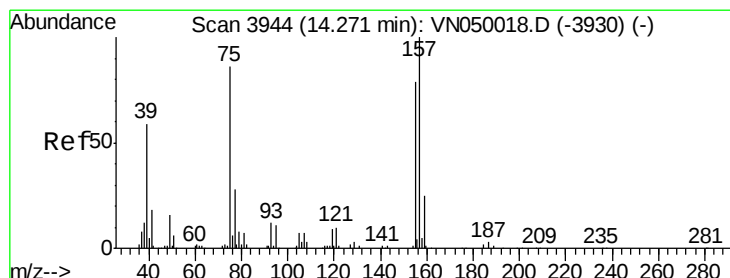
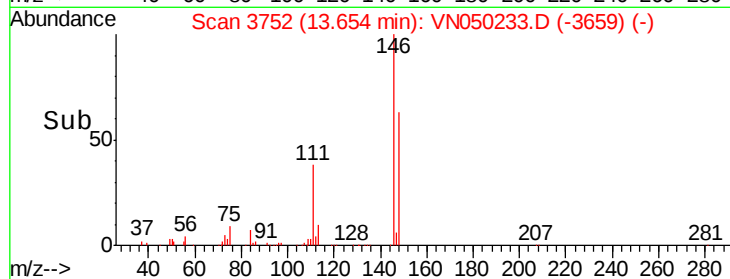
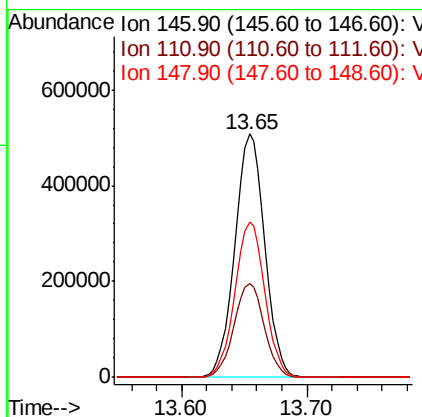
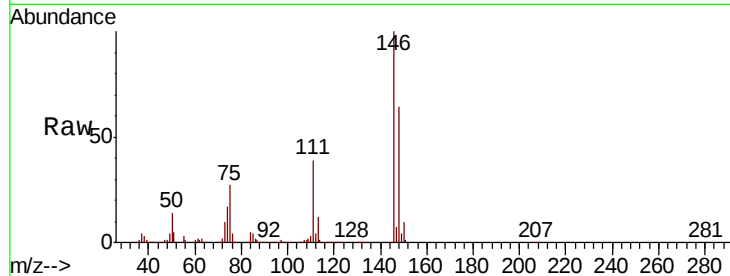
#91
 1,2-Dichlorobenzene
 Concen: 48.314 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	64.0	32.1	96.3

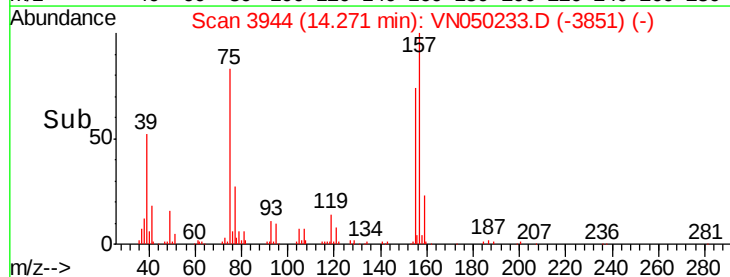
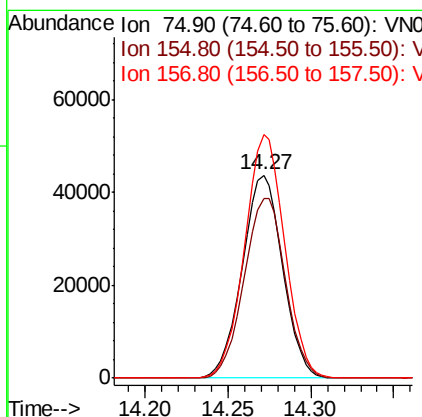
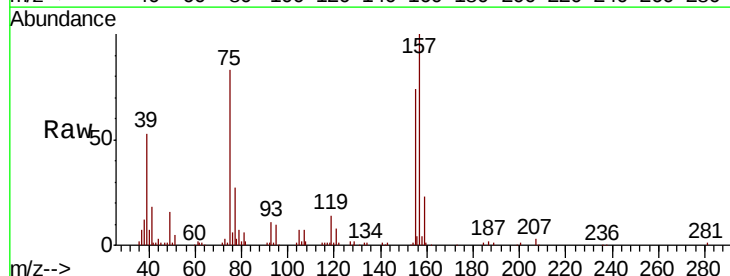
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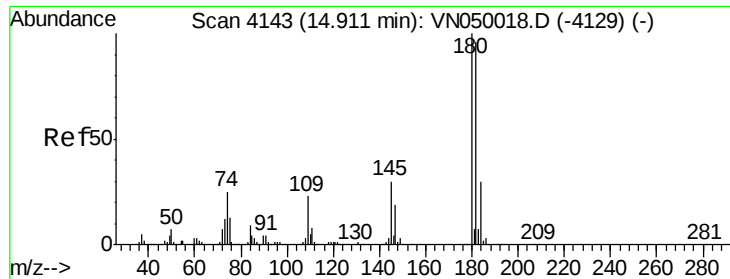
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.958 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	44.8	134.4
157	118.7	57.2	171.6





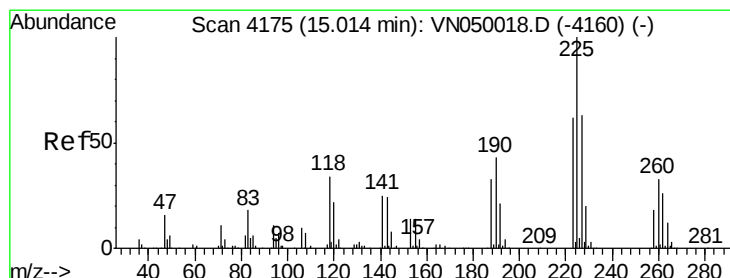
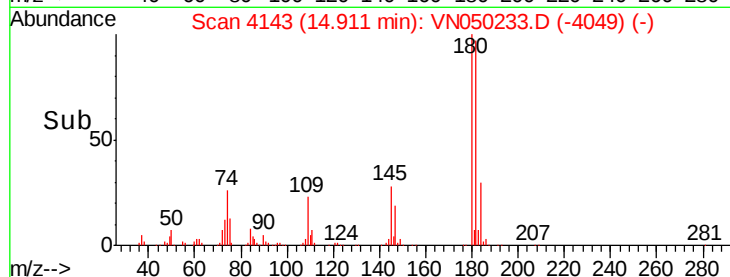
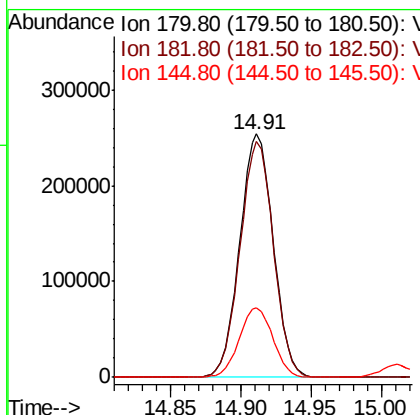
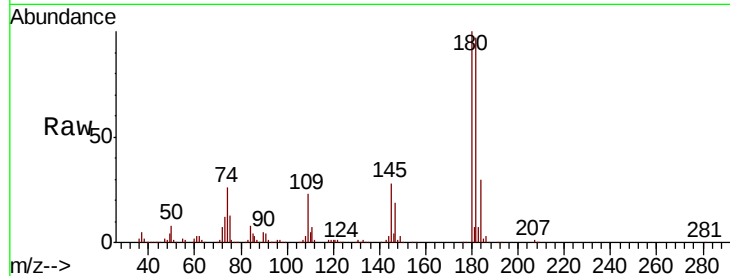
#93
 1,2,4-Trichlorobenzene
 Concen: 46.144 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	422891		
182	96.6	46.7	140.1	
145	28.6	13.8	41.4	

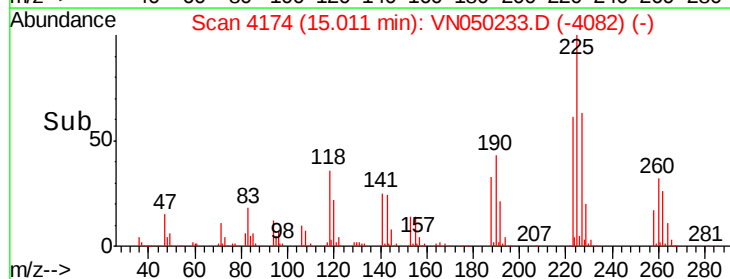
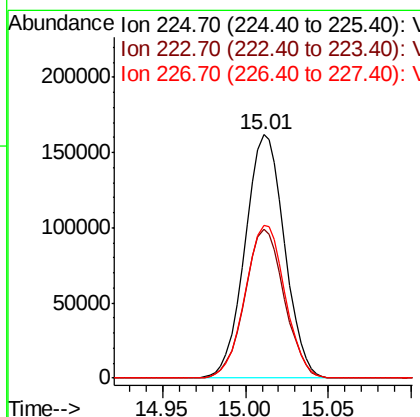
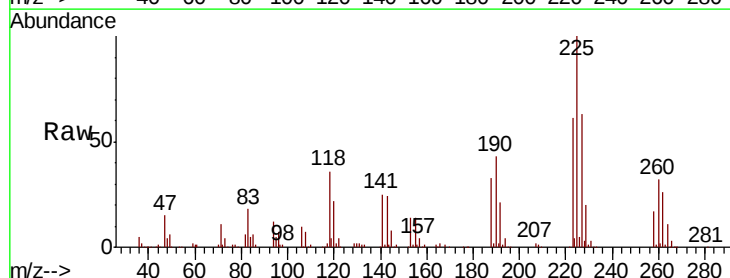
Manual Integrations
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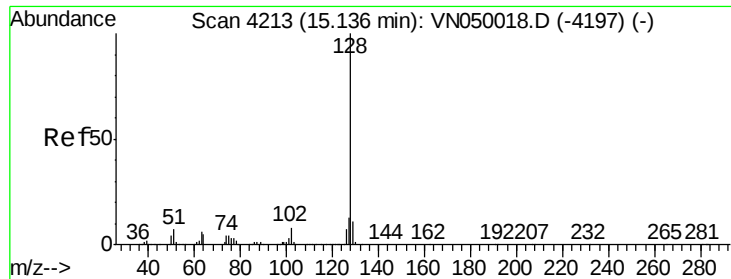
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 8/2/2018 9:53:36 AM



#94
 Hexachlorobutadiene
 Concen: 50.277 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050233.D
 Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	267450		
223	61.2	31.4	94.2	
227	63.5	32.1	96.5	





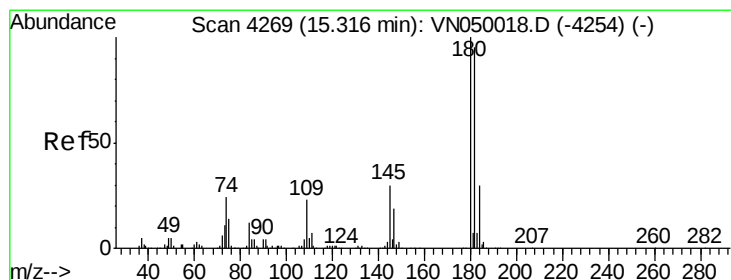
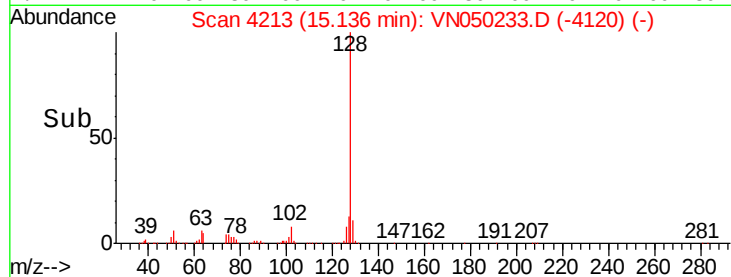
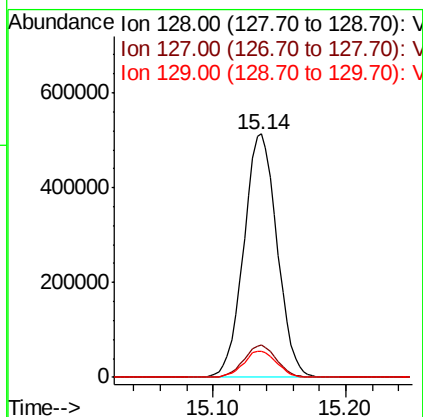
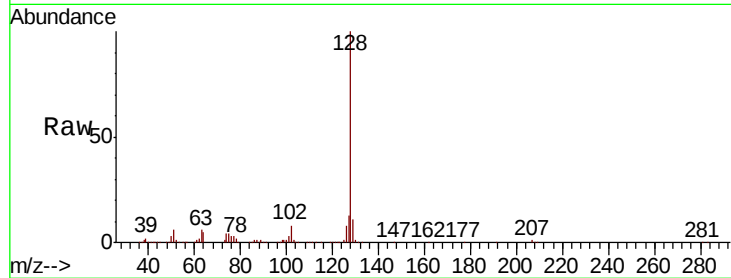
#95
Naphthalene
Concen: 41.765 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	892507		
127	13.1		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.082 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050233.D
Acq: 1 Aug 2018 8:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	421379		
182	95.2		48.1	144.4
145	30.1		15.3	45.9

