

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057107.D
 Acq On : 6 Aug 2019 16:49
 Operator : JC/SP
 Sample : VN0806WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0806WBSD02

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:39 AM

Quant Time: Aug 07 08:52:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74643	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	401986	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	359776	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	145688	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	153891	28.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.13%
63) Toluene-d8	10.08	98	496586	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	89040	19.952	ug/l 96
3) Chloromethane	2.05	50	100473	18.450	ug/l 99
4) Vinyl Chloride	2.18	62	93764	17.858	ug/l 99
5) Bromomethane	2.52	94	55623m	17.254	ug/l
6) Chloroethane	2.68	64	50279	17.264	ug/l 99
7) Trichlorofluoromethane	3.00	101	130939	20.478	ug/l 97
8) Diethyl Ether	3.40	74	47879	20.096	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77396	19.274	ug/l 96
10) 1,1-Dichloroethene	3.72	96	75276	18.890	ug/l 94
11) Methyl Iodide	3.94	142	86942	14.747	ug/l 97
12) Methyl Acetate	4.31	43	84725	17.373	ug/l 93
13) Acrolein	3.59	56	63862	115.705	ug/l 98
14) Acrylonitrile	4.97	53	171737	91.310	ug/l 99
15) Acetone	3.81	58	49613	102.032	ug/l 87
16) Carbon Disulfide	4.04	76	189200	17.608	ug/l 99
17) Allyl chloride	4.31	41	113054	16.954	ug/l 98
18) Methylene Chloride	4.54	84	89538	19.305	ug/l 94
19) trans-1,2-Dichloroethene	5.02	96	80282	19.036	ug/l 94
20) Diisopropyl ether	5.94	45	245424	18.127	ug/l 97
21) 1,1-Dichloroethane	5.83	63	146228	18.585	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	93495	19.128	ug/l 98
23) tert-Butyl Alcohol	4.78	59	52966	84.387	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	228557	18.971	ug/l 99
25) Chloroform	7.36	83	146892	19.137	ug/l 100
26) Cyclohexane	7.64	56	131640	18.213	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	108246	18.975	ug/l 99
30) 2-Butanone	6.82	43	209743	91.516	ug/l 100
31) 2,2-Dichloropropane	6.81	77	110887	20.947	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	124404	19.848	ug/l 97
33) Carbon Tetrachloride	7.76	117	106835	19.529	ug/l 96
34) Benzene	8.03	78	335932	18.690	ug/l 98
35) Methacrylonitrile	7.16	41	38226	16.701	ug/l 96
36) 1,2-Dichloroethane	8.11	62	109795	19.649	ug/l 98
37) Trichloroethene	8.83	130	92396	19.174	ug/l 95
38) Methylcyclohexane	9.07	83	133007	18.329	ug/l 98
39) 1,2-Dichloropropane	9.11	63	87460	18.229	ug/l 96
40) Dibromomethane	9.20	93	56357	19.148	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	107530	19.013	ug/l	98
42) Vinyl Acetate	5.88	43	932923	91.405	ug/l	99
43) Ethyl Acetate	6.92	43	85789	18.259	ug/l #	93
44) Isopropyl Acetate	8.16	43	154845	19.772	ug/l #	83
45) 1,4-Dioxane	9.19	88	27794	372.787	ug/l	92
46) Methyl methacrylate	9.19	41	69866	17.882	ug/l	99
47) n-amyl Acetate	12.07	43	111735	17.822	ug/l	99
48) t-1,3-Dichloropropene	10.37	75	111750	18.988	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	129032	18.814	ug/l	97
50) 1,1,2-Trichloroethane	10.55	97	81562	19.301	ug/l	95
51) Ethyl methacrylate	10.42	69	114503	18.733	ug/l	98
52) 1,3-Dichloropropane	10.70	76	134828	18.905	ug/l	98
53) Dibromochloromethane	10.90	129	83698	19.055	ug/l	100
54) 1,2-Dibromoethane	11.00	107	84102	19.508	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	188007	71.022	ug/l	98
56) Bromoform	12.12	173	58594	19.280	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	429365	88.932	ug/l	97
59) 2-Hexanone	10.75	43	295810	89.914	ug/l	98
61) Tetrachloroethene	10.63	164	91129	18.073	ug/l	99
62) Toluene	10.15	91	365085	18.658	ug/l	100
64) Chlorobenzene	11.43	112	224733	19.067	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.50	131	84785	18.992	ug/l	98
66) Ethyl Benzene	11.51	91	386639	18.751	ug/l	100
67) m/p-Xylenes	11.62	106	291530	37.916	ug/l	100
68) o-Xylene	11.94	106	145552	19.254	ug/l	98
69) Styrene	11.96	104	225121	18.377	ug/l	100
70) Isopropylbenzene	12.25	105	378146	18.998	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	103632	18.588	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	92058m	18.767	ug/l	
73) Bromobenzene	12.52	156	96764	18.839	ug/l	98
74) n-propylbenzene	12.59	91	396068	18.198	ug/l	98
75) 2-Chlorotoluene	12.67	91	244295	18.514	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	323499	19.305	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	27115	17.606	ug/l	97
78) 4-Chlorotoluene	12.77	91	218282	17.403	ug/l	98
79) tert-butylbenzene	12.99	119	281160	19.444	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	299638	18.343	ug/l	97
81) sec-Butylbenzene	13.17	105	349827	18.530	ug/l	99
82) p-Isopropyltoluene	13.29	119	310019	18.285	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	135614	16.769	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	123644	16.170	ug/l	99
85) n-Butylbenzene	13.61	91	219397	16.479	ug/l	98
86) Hexachloroethane	13.87	117	52432	18.478	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	135600	16.881	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	13983	16.212	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	43906	15.950	ug/l	98
90) Hexachlorobutadiene	15.00	225	53632	18.164	ug/l	98
91) Naphthalene	15.12	128	111005	15.498	ug/l	100
92) 1,2,3-Trichlorobenzene	15.29	180	53263	12.543	ug/l	97

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QLast Update : Wed Jul 24 04:19:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

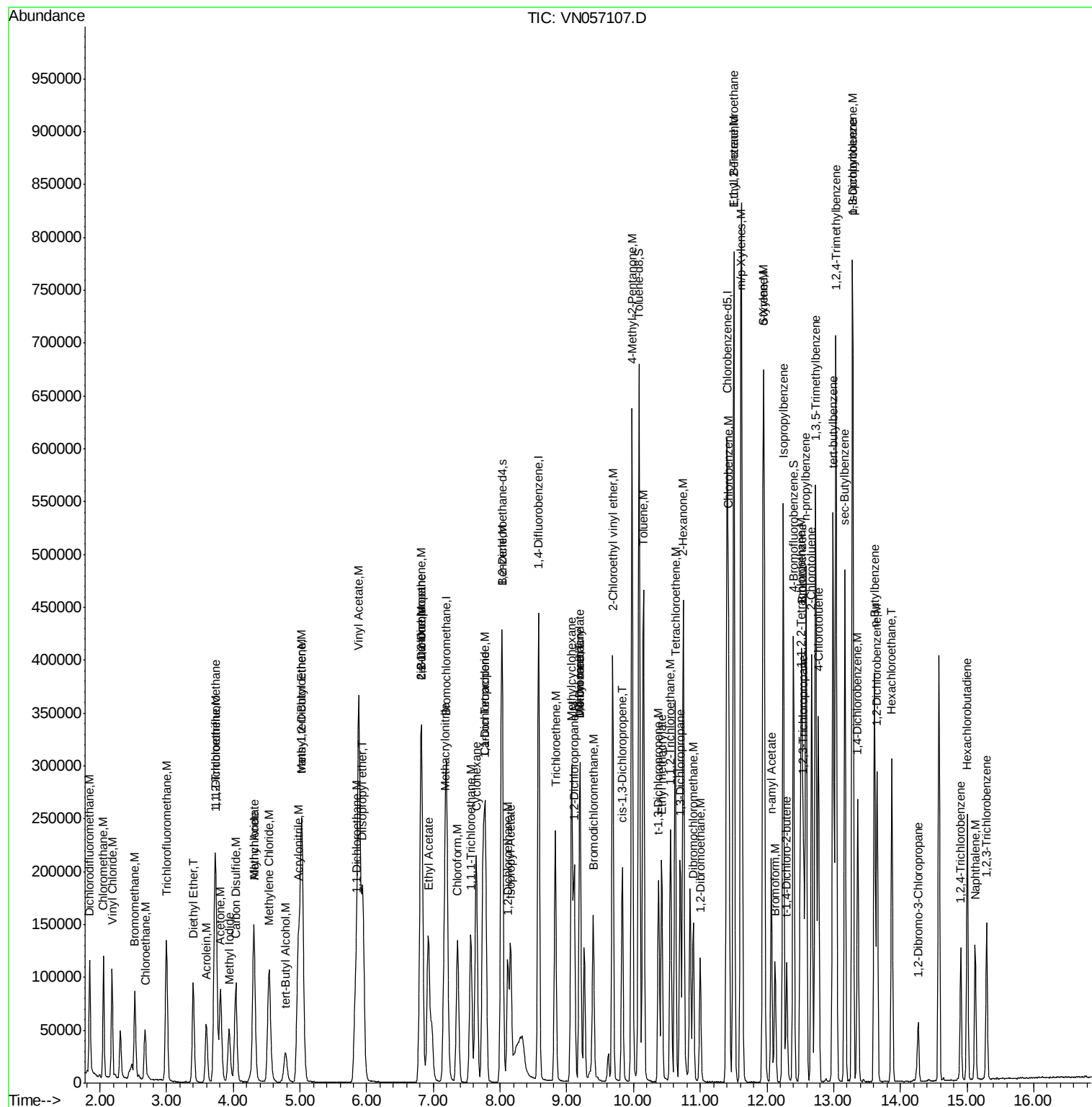
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 Data File : VN057107.D
 Acq On : 6 Aug 2019 16:49
 Operator : JC/SP
 Sample : VN0806WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

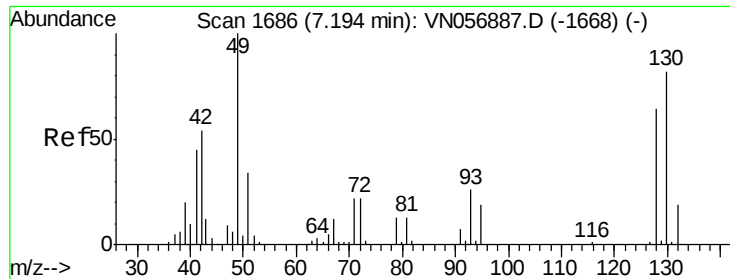
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0806WBSD02

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

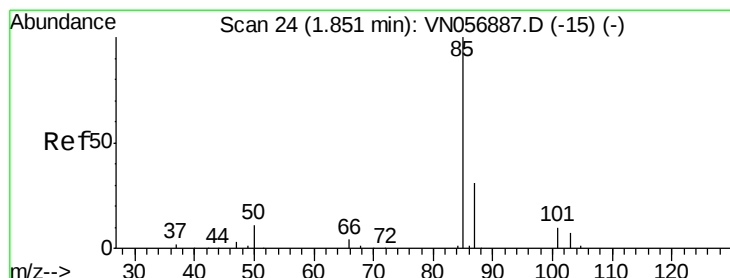
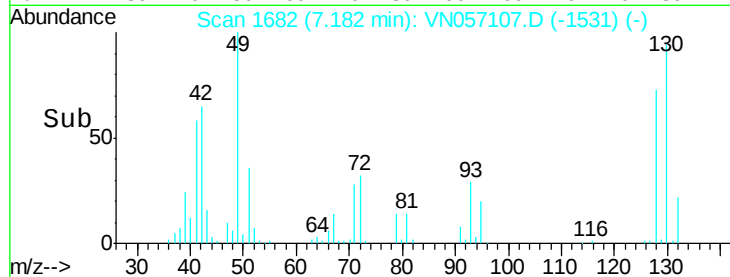
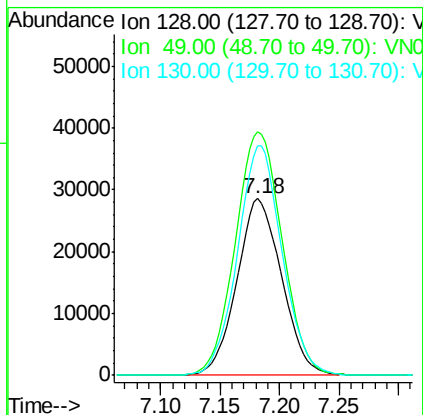
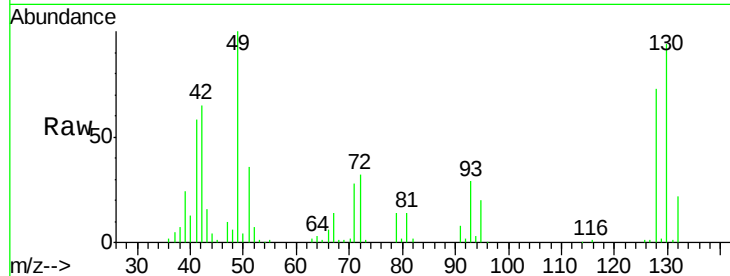
ClientSampleId :

VN0806WBSD02

Tot Ion:	128	Resp:	74643
Ion	Ratio	Lower	Upper
128	100		
49	144.1	0.0	385.8
130	129.5	0.0	322.5

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#2

Dichlorodifluoromethane

Concen: 19.952 ug/l

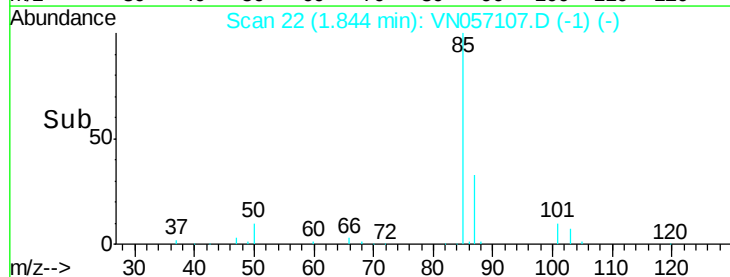
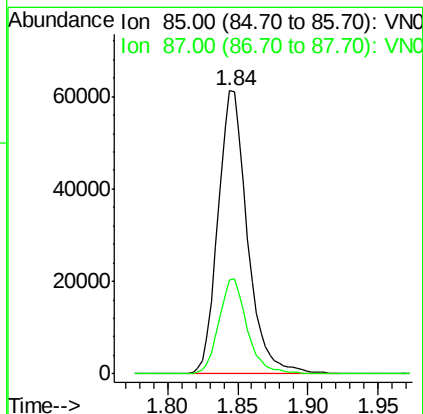
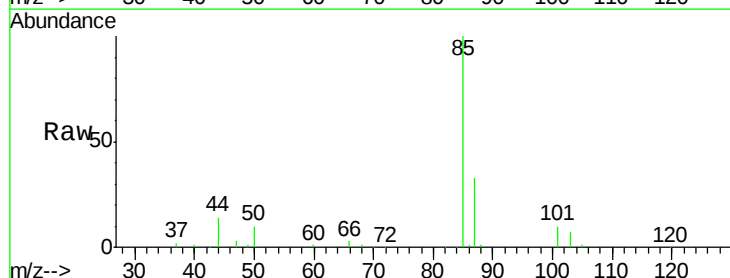
RT: 1.84 min Scan# 22

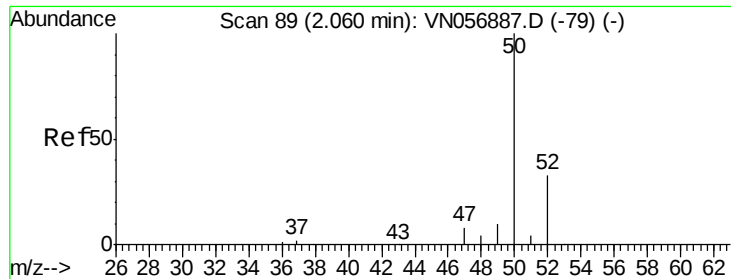
Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	85	Resp:	89040
Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.6	46.8





#3

Chloromethane

Concen: 18.450 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD02

Tot Ion: 50 Resp: 100473

Ion Ratio Lower Upper

50 100

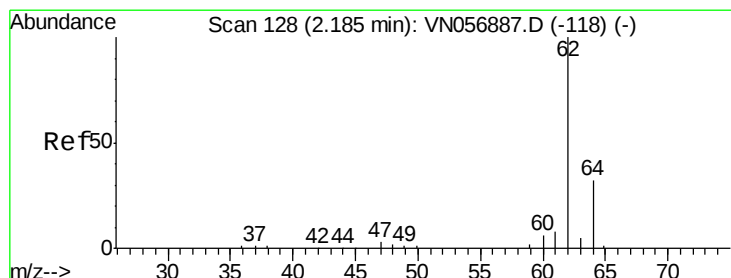
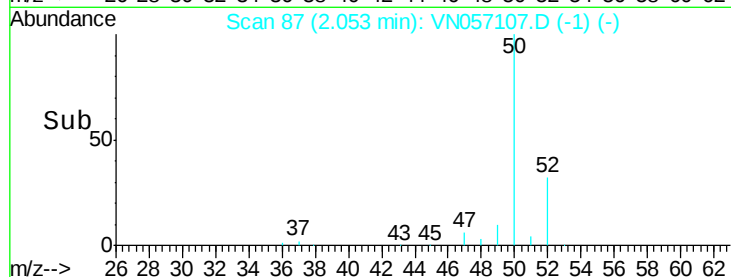
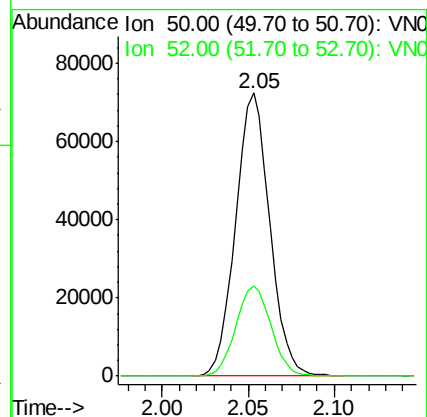
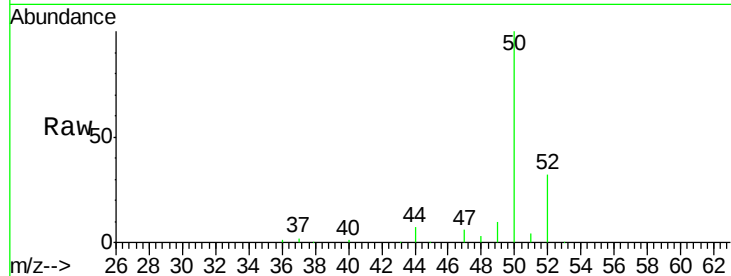
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.858 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.01 min

Lab File: VN057107.D

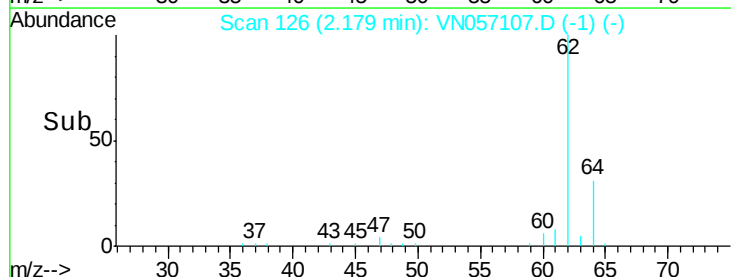
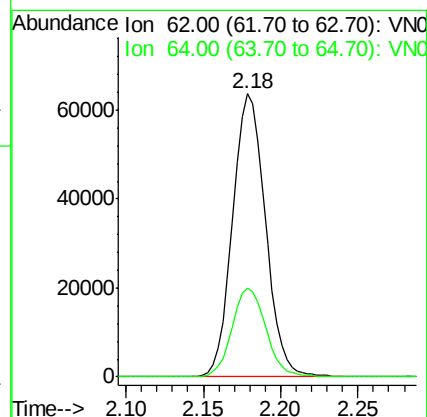
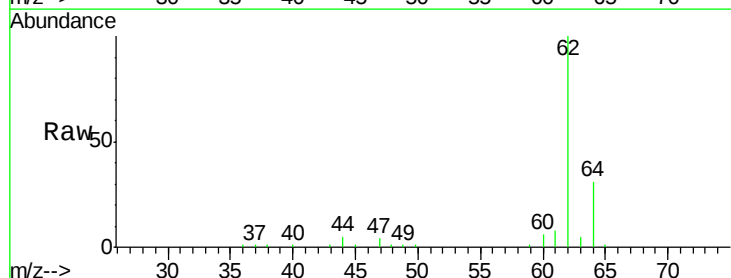
Acq: 6 Aug 2019 16:49

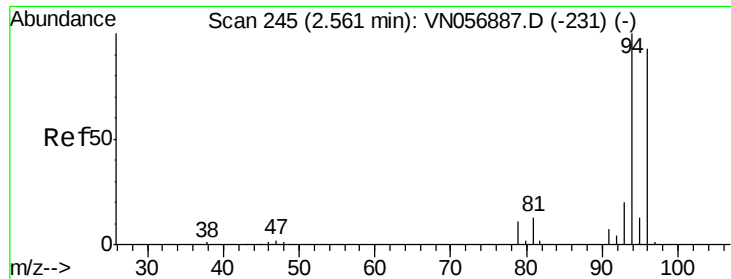
Tgt Ion: 62 Resp: 93764

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.0





#5

Bromomethane

Concen: 17.254 ug/l m

RT: 2.52 min Scan# 233

Delta R.T. -0.04 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tot Ion: 94 Resp: 55623

Ion Ratio Lower Upper

94 100

96 94.1 74.7 112.1

Instrument :

MSVOA_N

ClientSampleId :

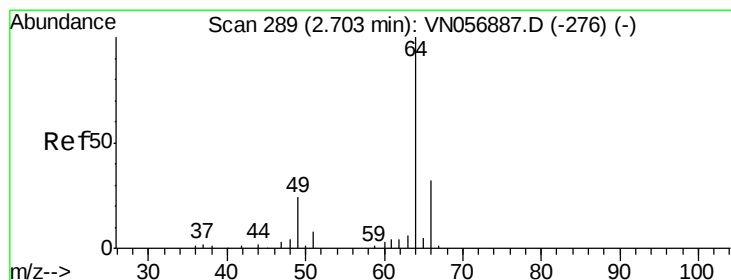
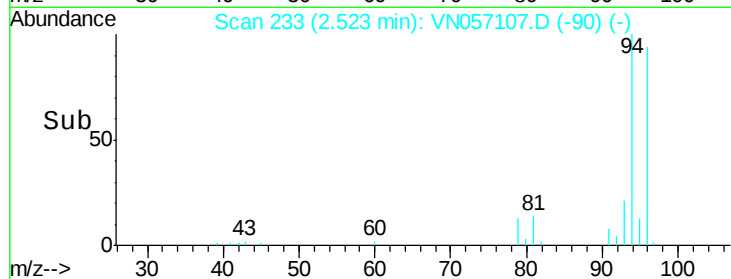
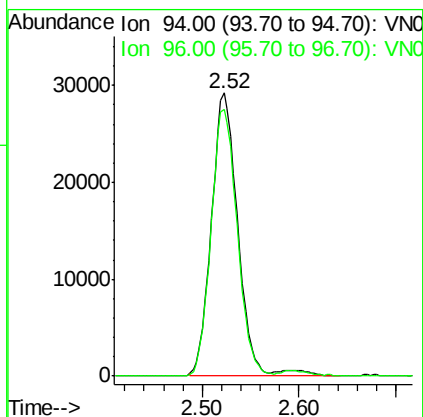
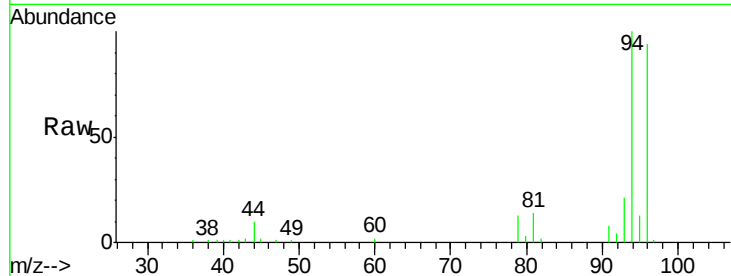
VN0806WBSD02

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#6

Chloroethane

Concen: 17.264 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.03 min

Lab File: VN057107.D

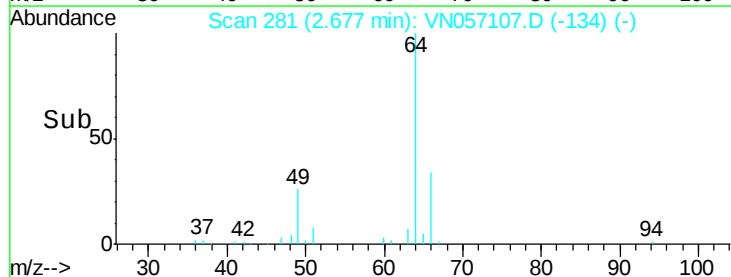
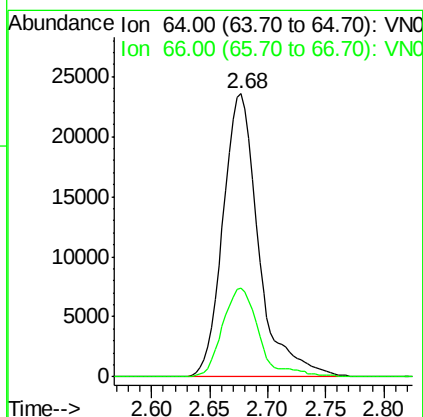
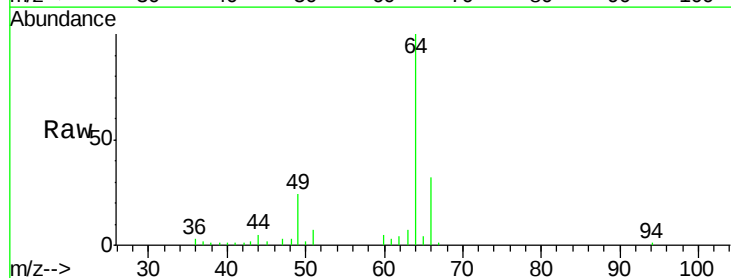
Acq: 6 Aug 2019 16:49

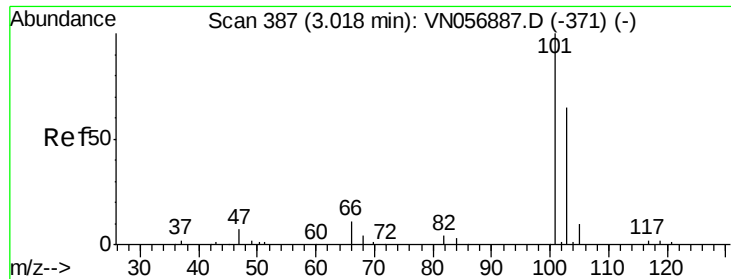
Tgt Ion: 64 Resp: 50279

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

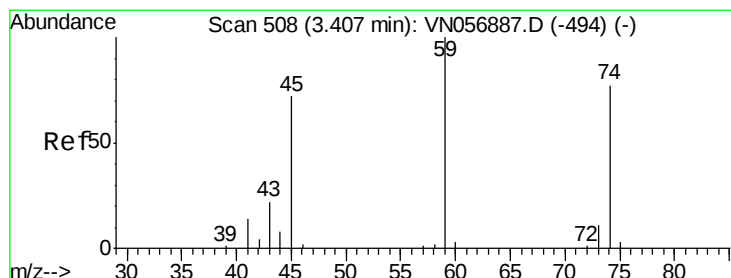
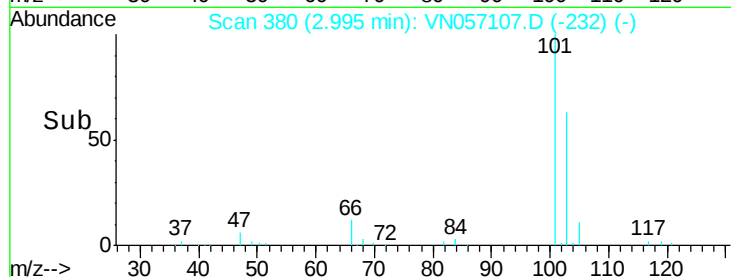
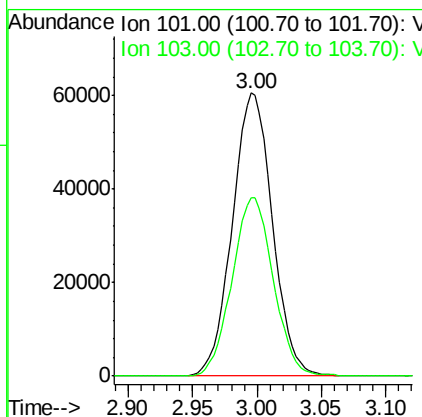
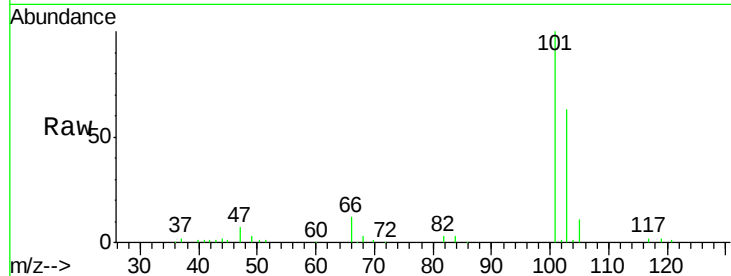
Trichlorofluoromethane
 Concen: 20.478 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBSD02

Tot Ion:101 Resp: 130939
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.2 78.4

Manual Integrations
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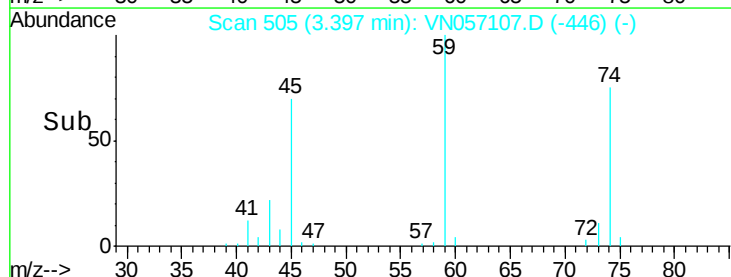
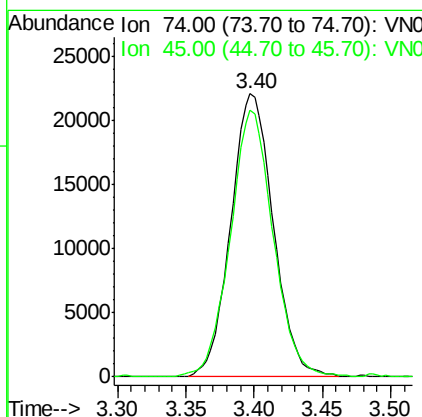
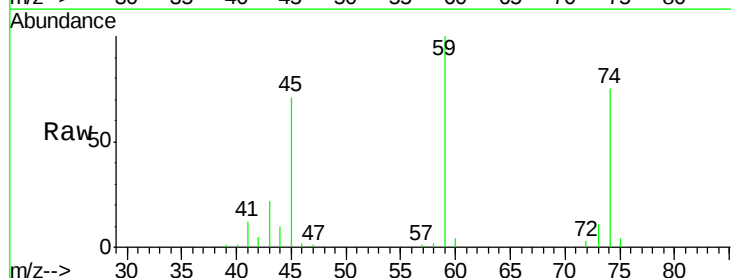
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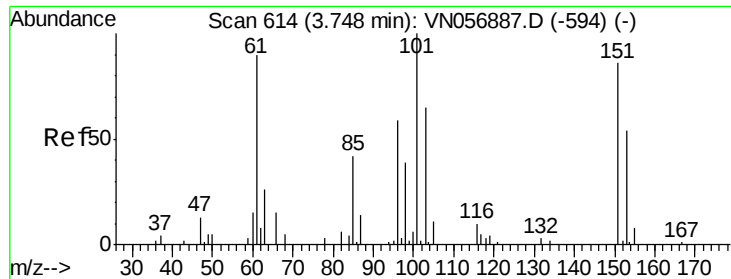


#8

Diethyl Ether
 Concen: 20.096 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion: 74 Resp: 47879
 Ion Ratio Lower Upper
 74 100
 45 95.1 19.5 175.7





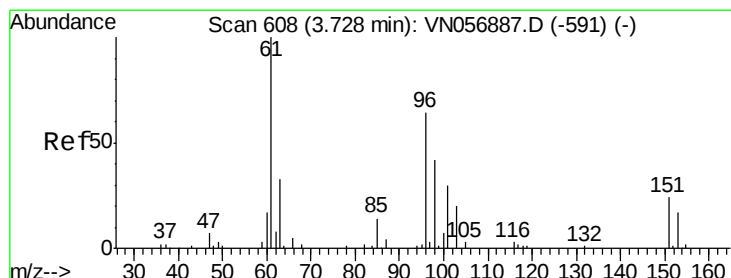
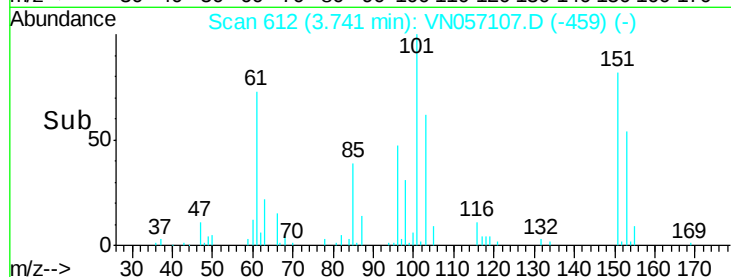
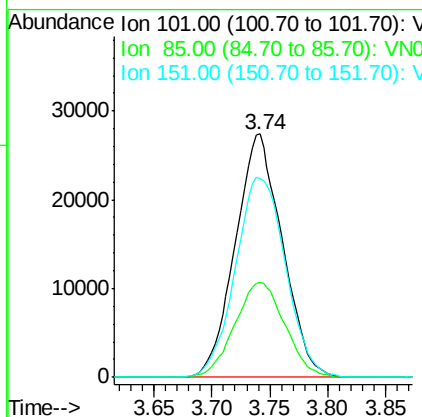
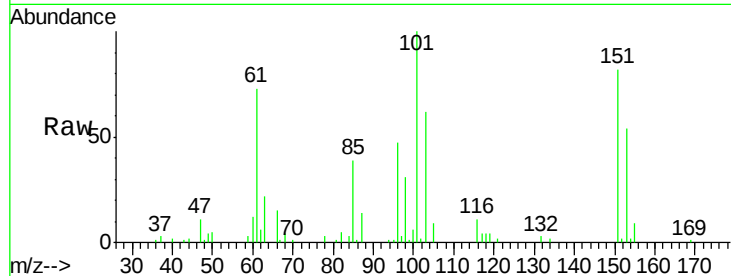
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.274 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	77396		
85	41.4		0.0	85.0
151	87.6		0.0	167.2

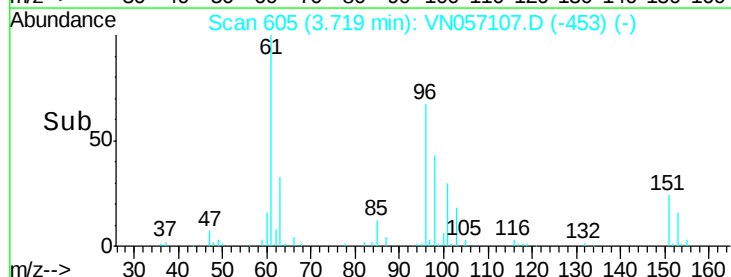
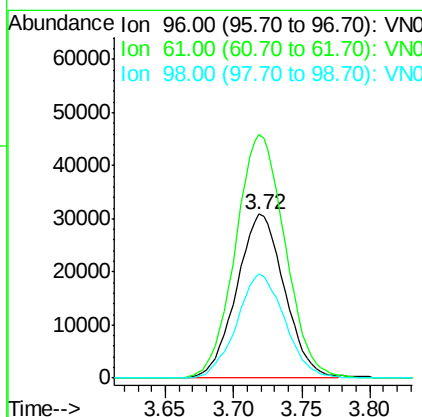
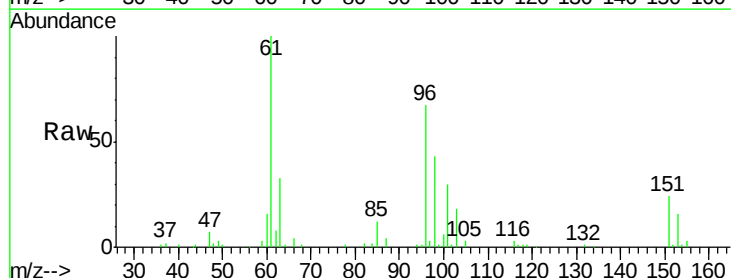
Manual Integrations
 APPROVED

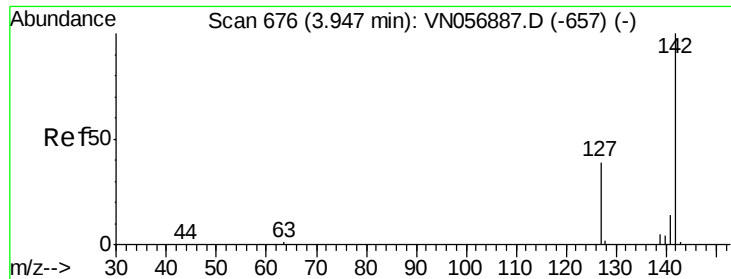
MMDadoda
 8/9/2019 12:51:39 AM



#10
 1,1-Dichloroethene
 Concen: 18.890 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	75276		
61	148.0		125.8	188.8
98	63.6		52.7	79.1





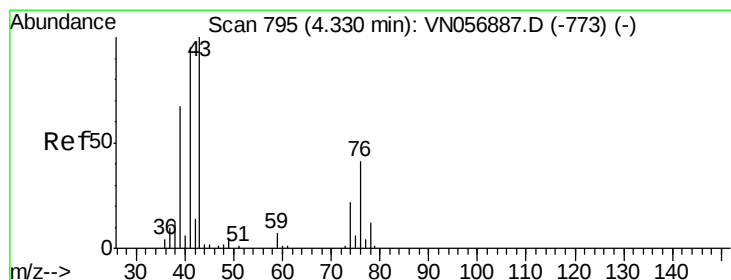
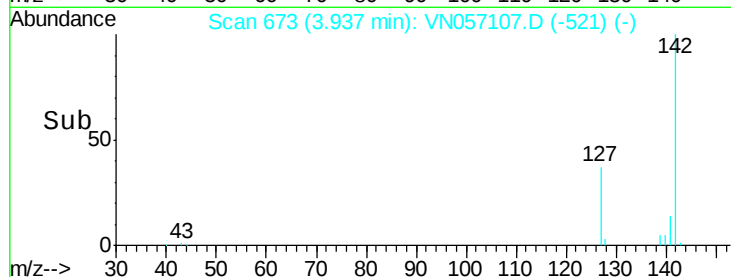
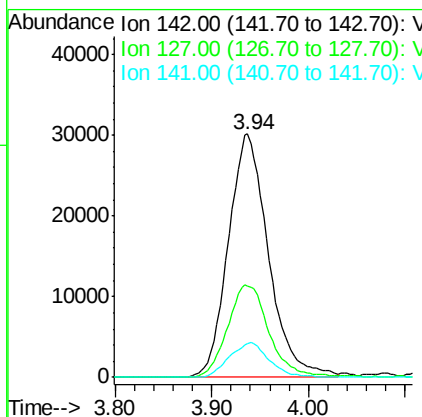
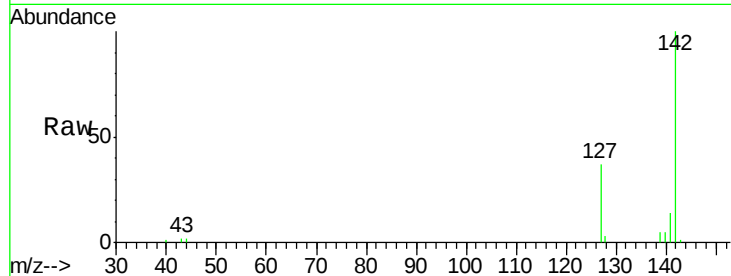
#11
Methvl Iodide
Concen: 14.747 ug/l
RT: 3.94 min Scan# 673
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	37.3	19.6	58.8
141	13.9	7.2	21.6

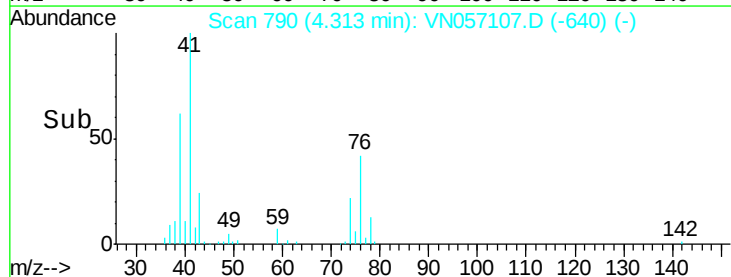
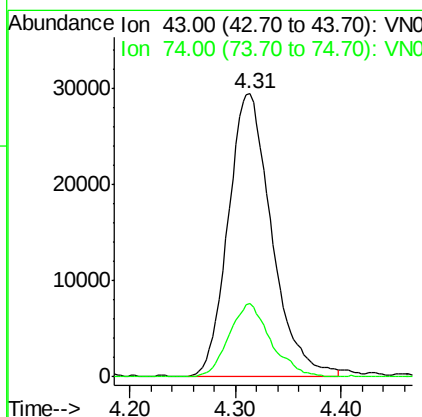
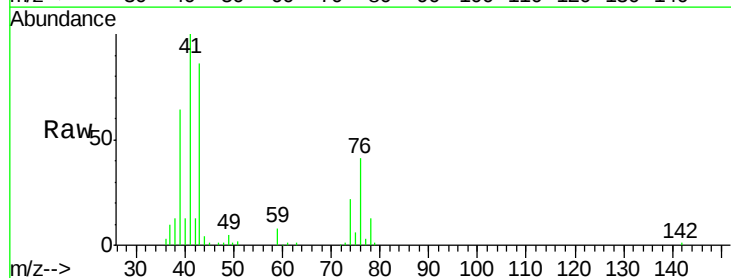
Manual Integrations
APPROVED

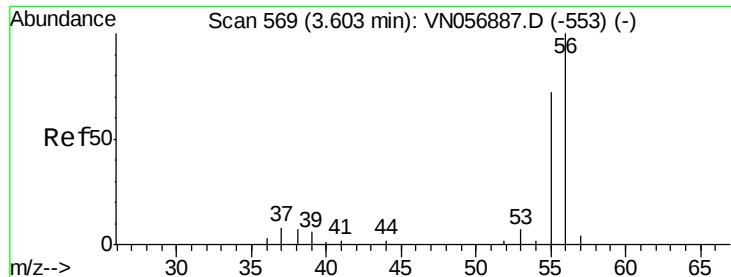
MMDadoda
8/9/2019 12:51:39 AM



#12
Methyl Acetate
Concen: 17.373 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.02 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.2	18.1	27.1





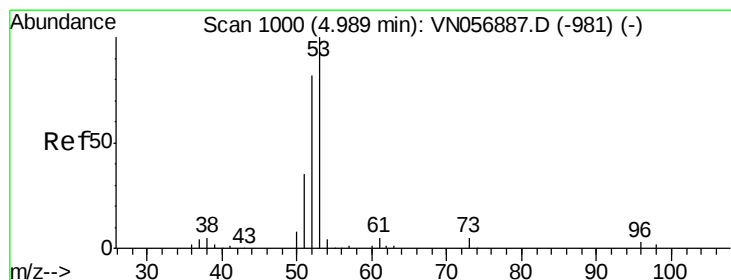
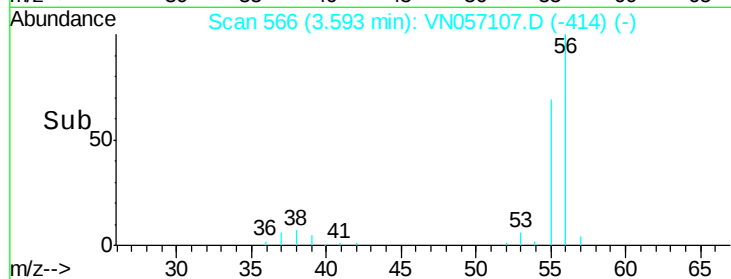
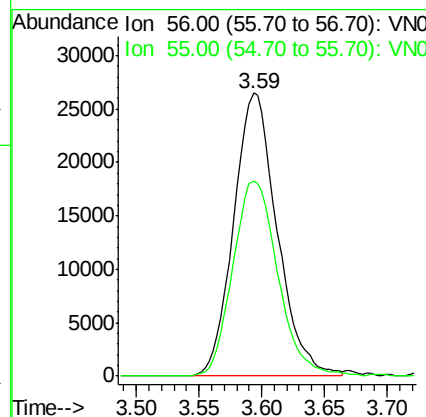
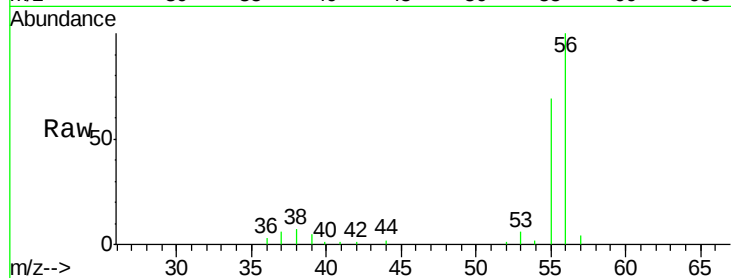
#13
Acrolein
Concen: 115.705 ug/l
RT: 3.59 min Scan# 566
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.3		58.5	87.7	

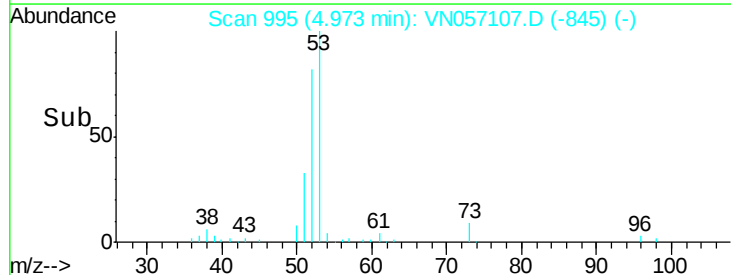
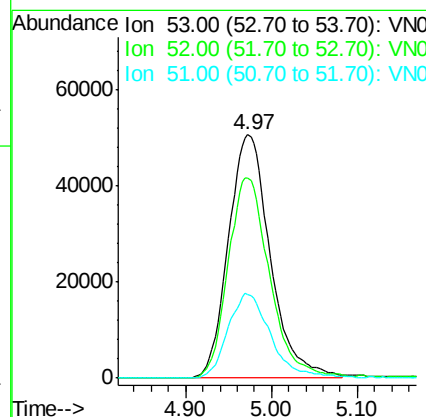
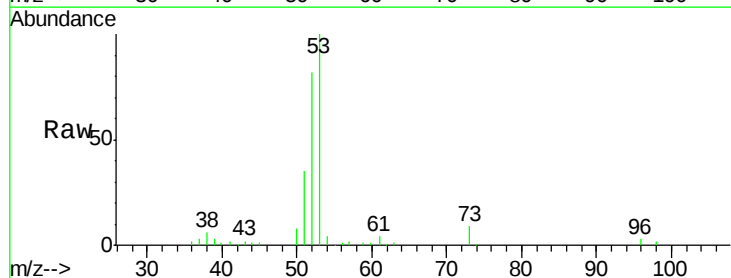
Manual Integrations
APPROVED

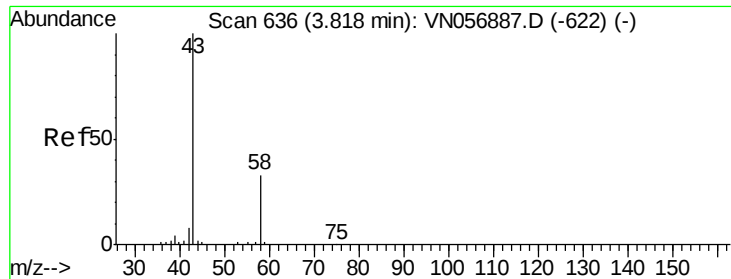
MMdadoda
8/9/2019 12:51:39 AM



#14
Acrylonitrile
Concen: 91.310 ug/l
RT: 4.97 min Scan# 995
Delta R.T. -0.02 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	53	52	51	Ratio	Lower	Upper
53	100					
52	81.1			40.8	122.5	
51	35.1			17.4	52.2	





#15

Acetone

Concen: 102.032 ug/l

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tot Ion: 58 Resp: 49613

Ion Ratio Lower Upper

58 100

43 277.6 242.4 363.6

Instrument :

MSVOA_N

ClientSampleId :

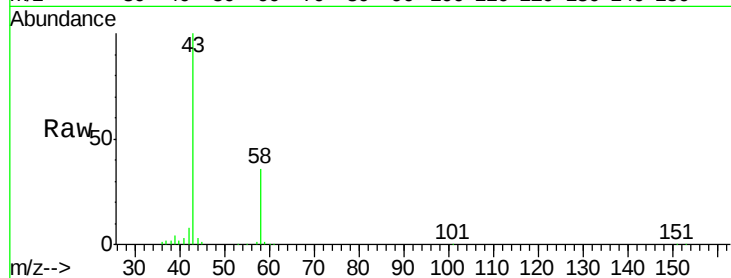
VN0806WBSD02

Manual Integrations

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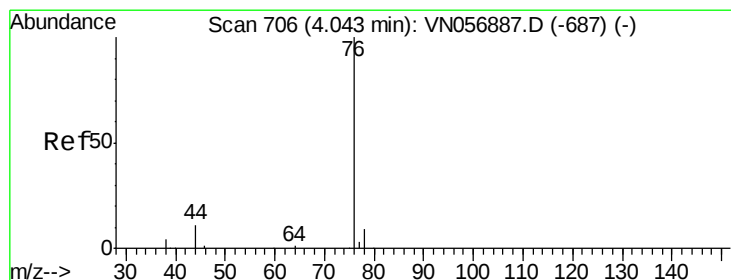
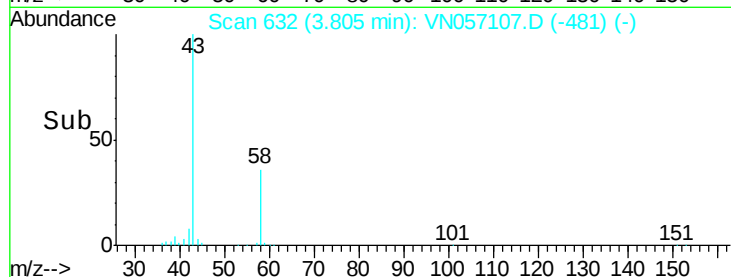
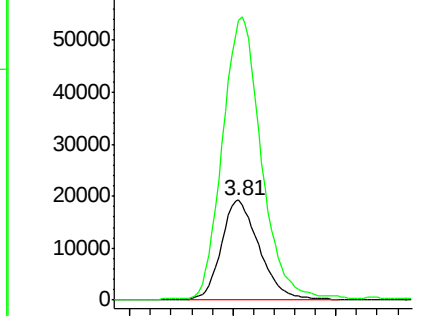
MMDadoda

8/9/2019 12:51:39 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.608 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057107.D

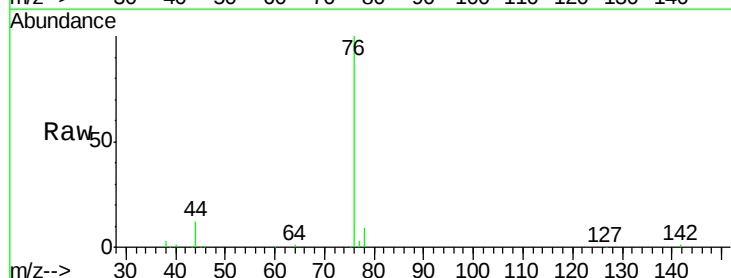
Acq: 6 Aug 2019 16:49

Tgt Ion: 76 Resp: 189200

Ion Ratio Lower Upper

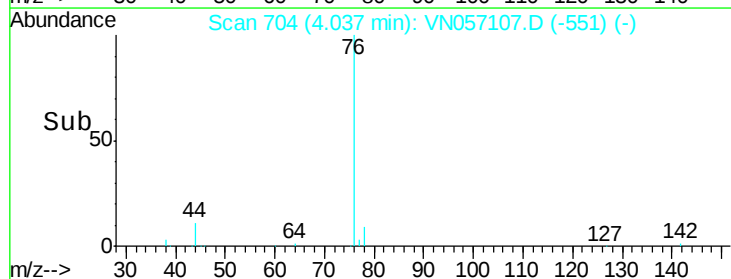
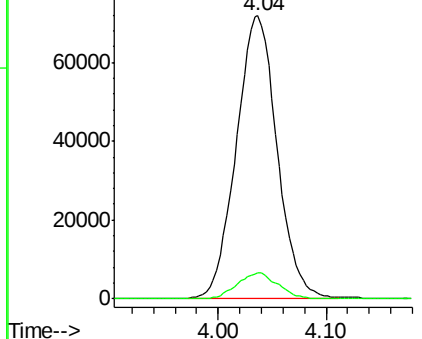
76 100

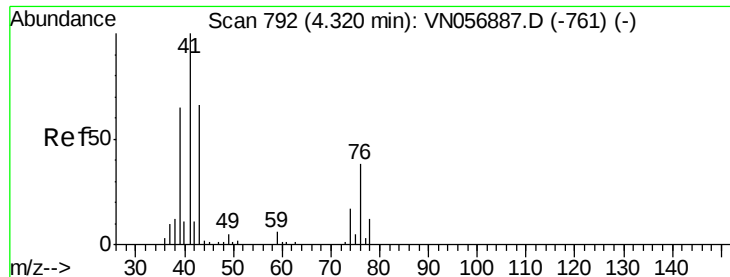
78 9.3 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 16.954 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

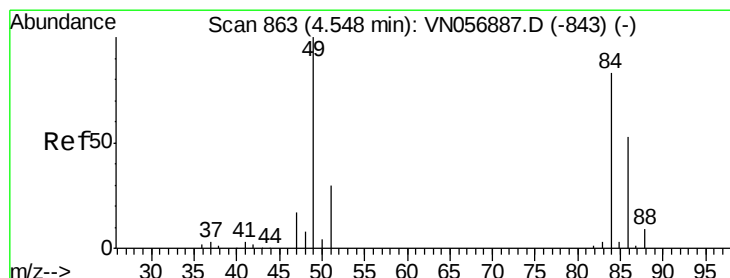
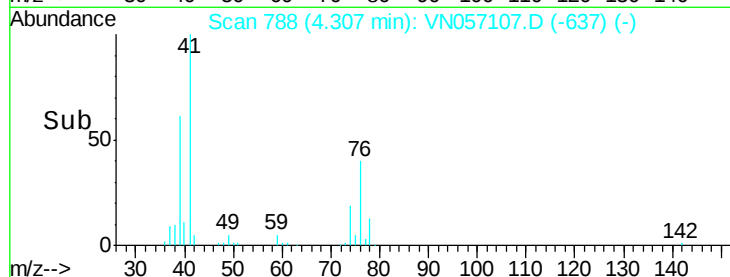
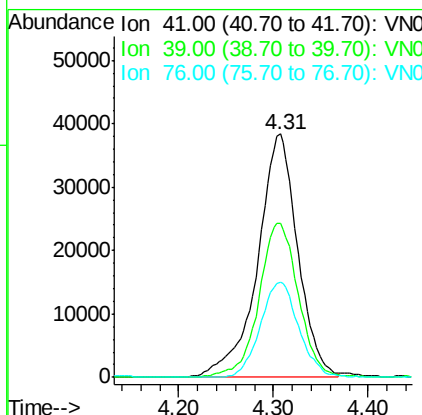
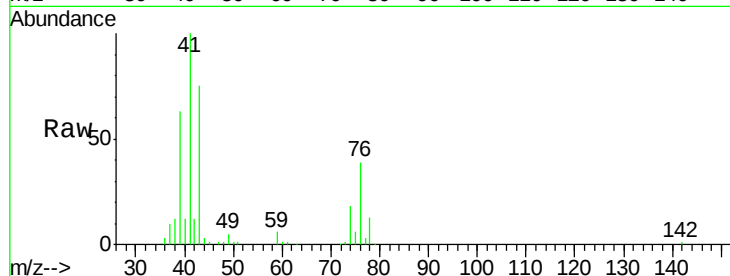
ClientSampleId :

VN0806WBSD02

Tot Ion:	41	Resp:	113054
Ion	Ratio	Lower	Upper
41	100		
39	63.1	32.4	97.0
76	38.9	19.0	57.0

Manual Integrations
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MMDadoda
8/9/2019 12:51:39 AM



#18

Methylene Chloride

Concen: 19.305 ug/l

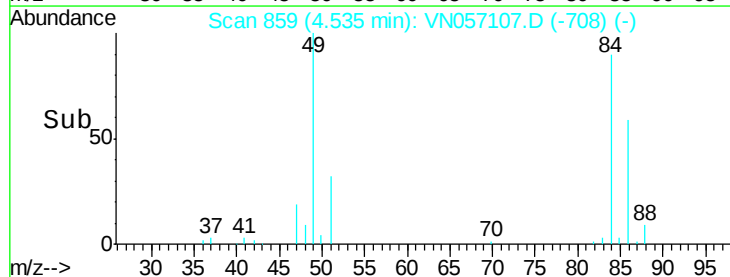
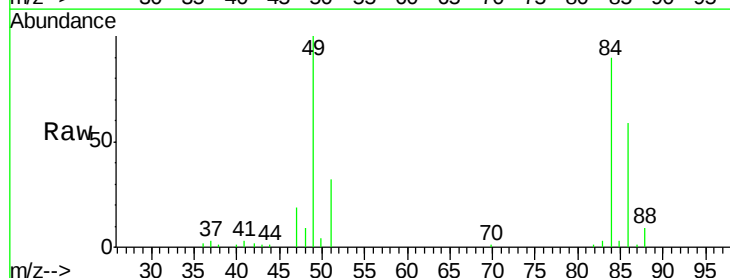
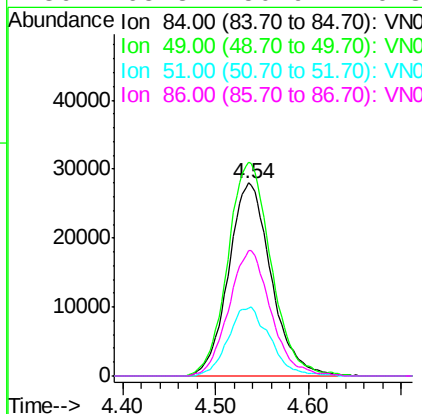
RT: 4.54 min Scan# 859

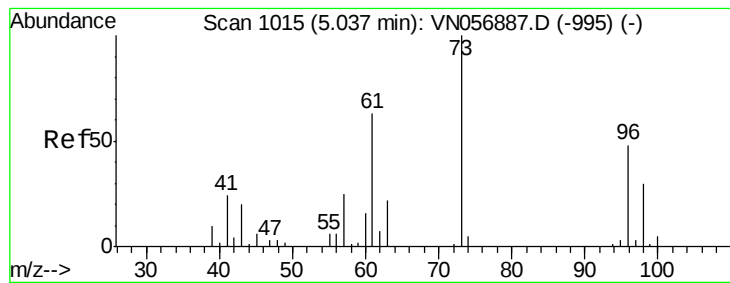
Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	84	Resp:	89538
Ion	Ratio	Lower	Upper
84	100		
49	110.2	96.3	144.5
51	35.3	28.8	43.2
86	65.3	50.9	76.3





#19

trans-1,2-Dichloroethene

Concen: 19.036 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD02

Tot Ion: 96 Resp: 80282

Ion Ratio Lower Upper

96 100

61 139.1 105.4 158.0

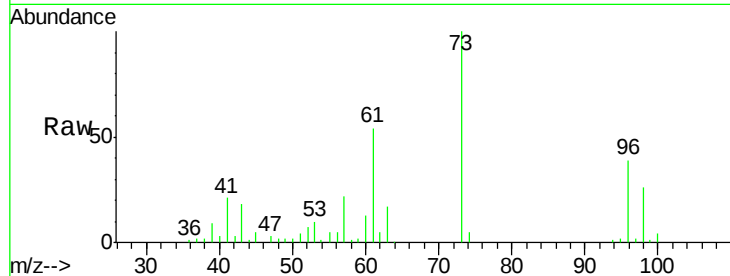
98 67.2 50.8 76.2

Manual Integrations

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MMdadoda

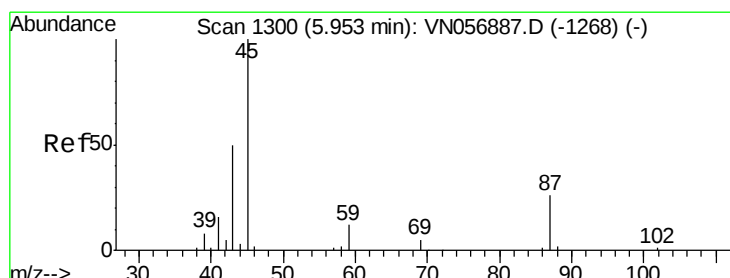
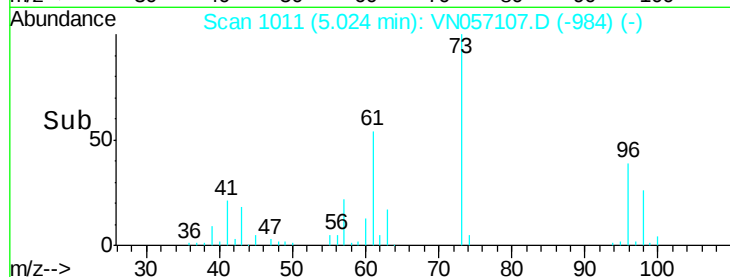
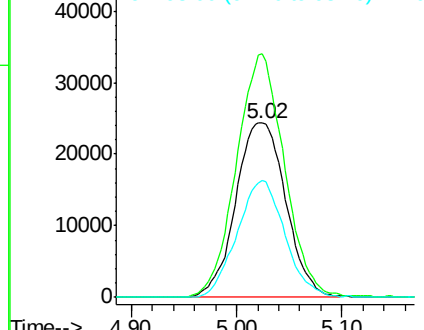
8/9/2019 12:51:39 AM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 18.127 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion: 45 Resp: 245424

Ion Ratio Lower Upper

45 100

43 57.5 47.4 71.0

87 30.8 21.7 32.5

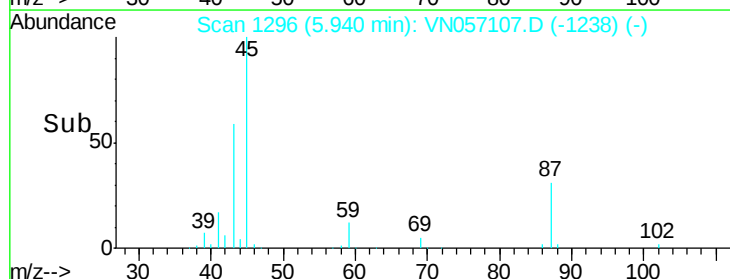
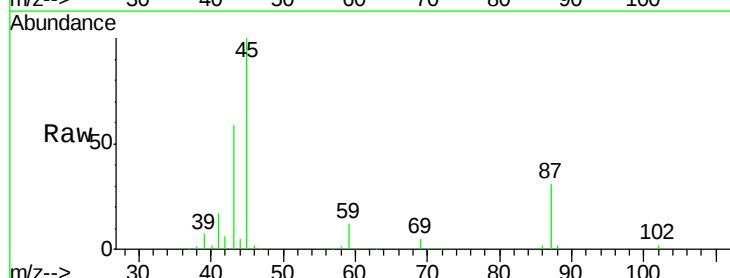
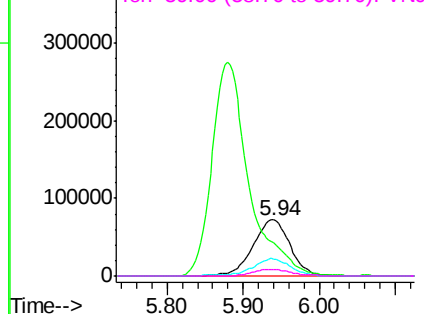
59 11.2 9.3 13.9

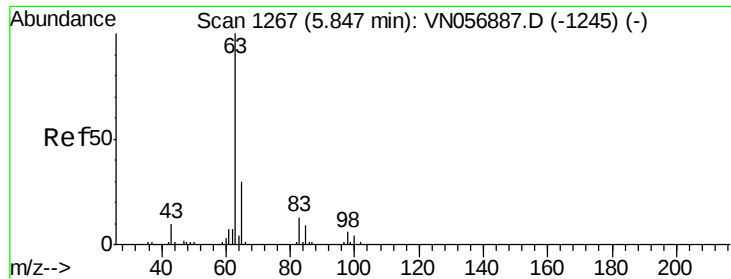
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





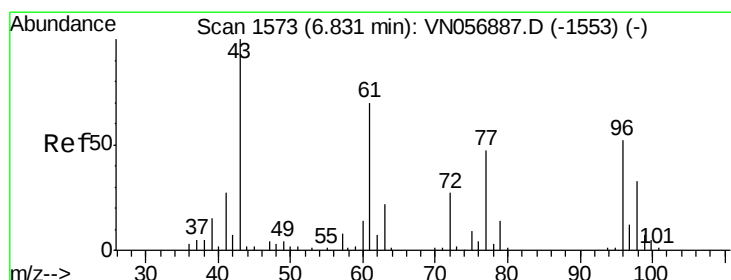
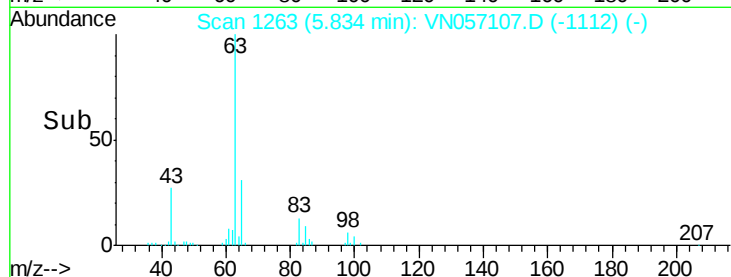
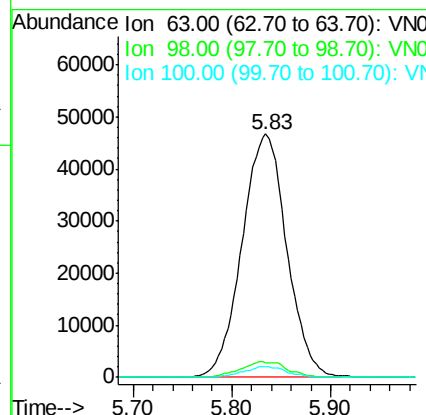
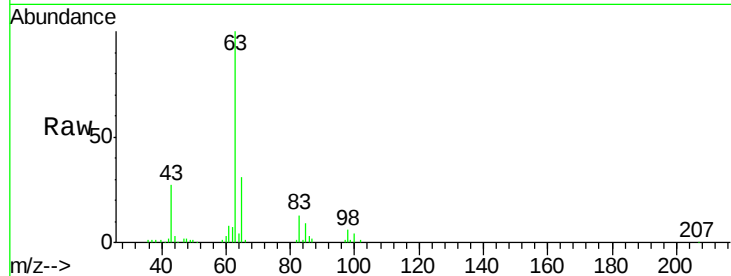
#21
 1,1-Dichloroethane
 Concen: 18.585 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	3.1	9.3	
100	4.4	1.8	5.5	

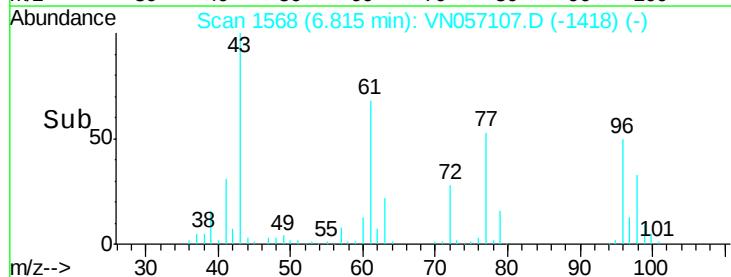
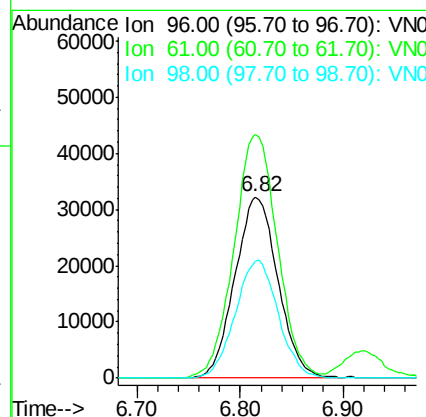
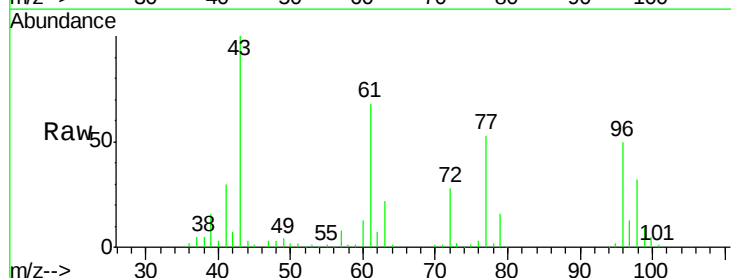
Manual Integrations
 APPROVED

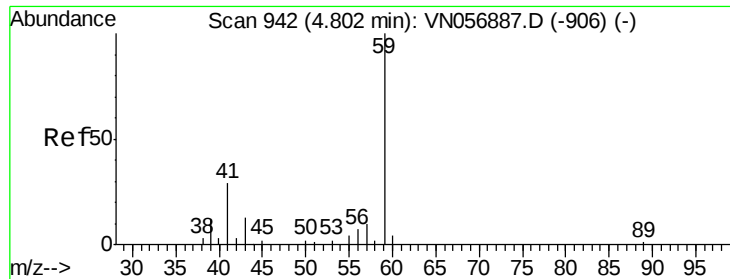
MMDadoda
 8/9/2019 12:51:39 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.128 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	136.1	111.6	167.4	
98	64.9	51.0	76.4	





#23

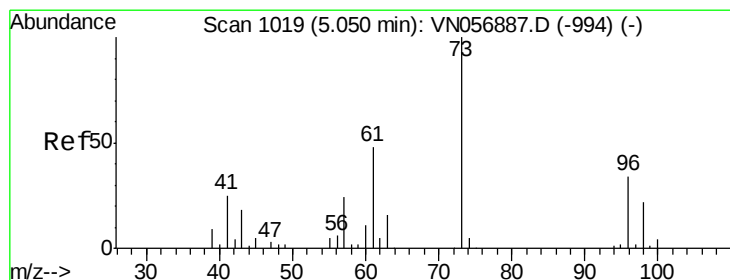
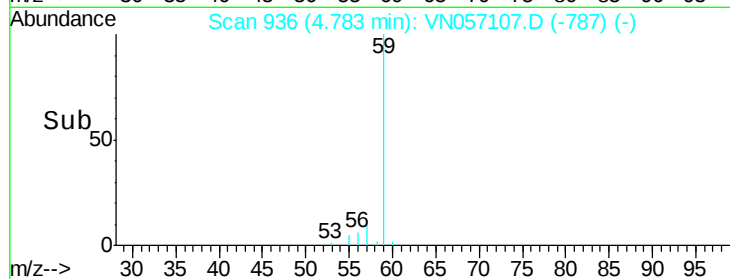
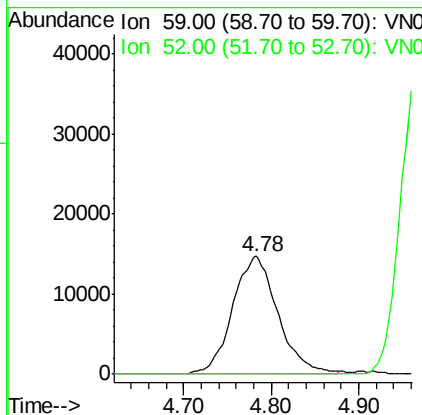
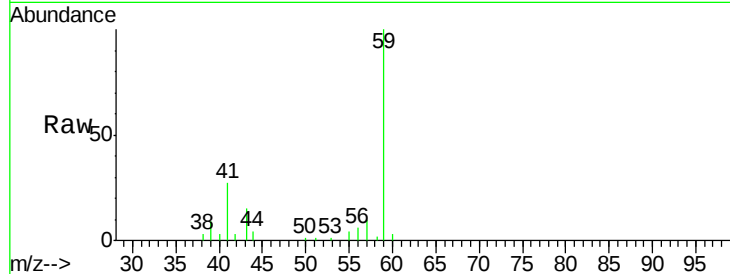
tert-Butyl Alcohol
 Concen: 84.387 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

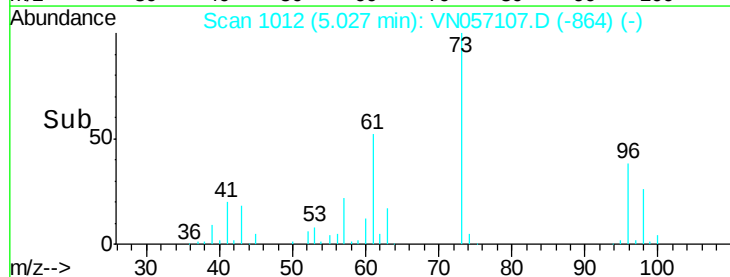
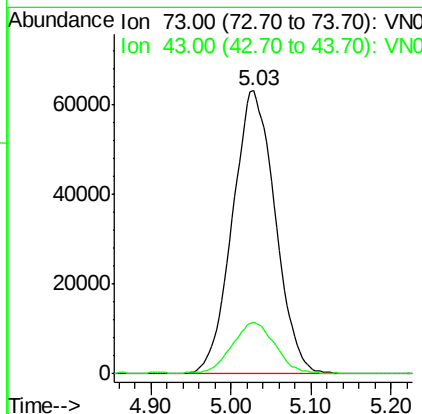
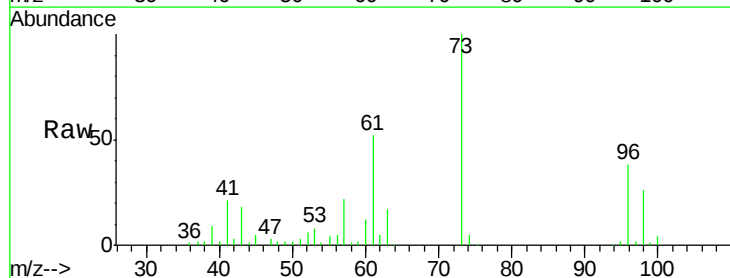
MMDadoda
 8/9/2019 12:51:39 AM

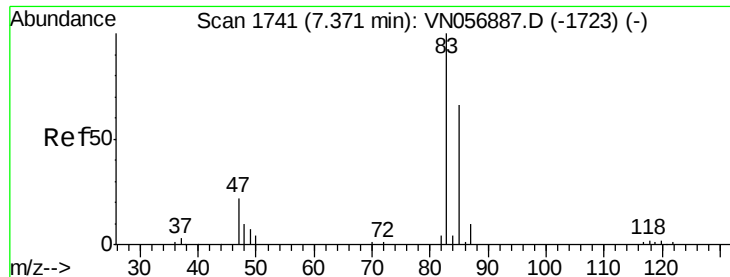


#24

Methyl tert-Butyl Ether
 Concen: 18.971 ug/l
 RT: 5.03 min Scan# 1012
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.5	15.4	23.0





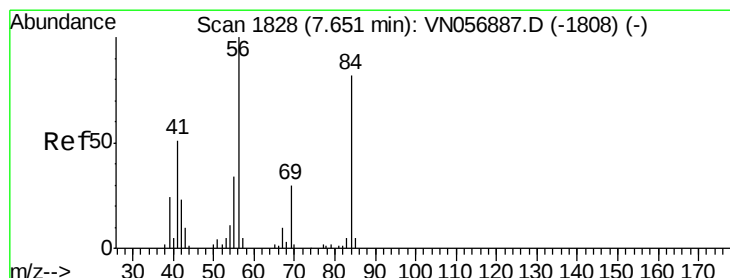
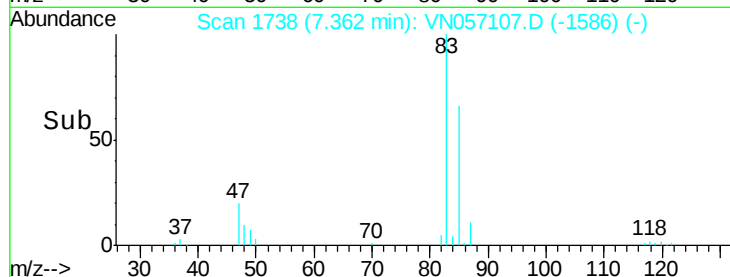
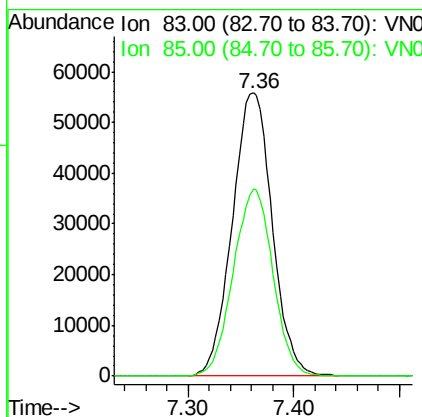
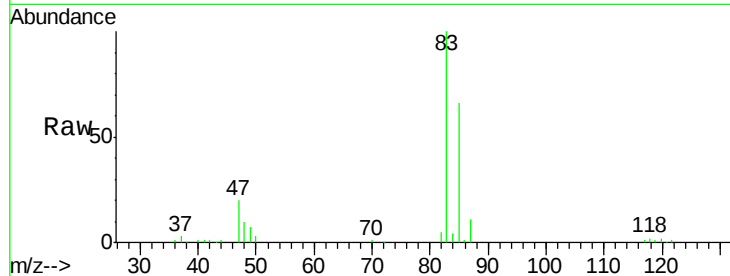
#25
Chloroform
Concen: 19.137 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	83	Resp	146892
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	53.1	79.7

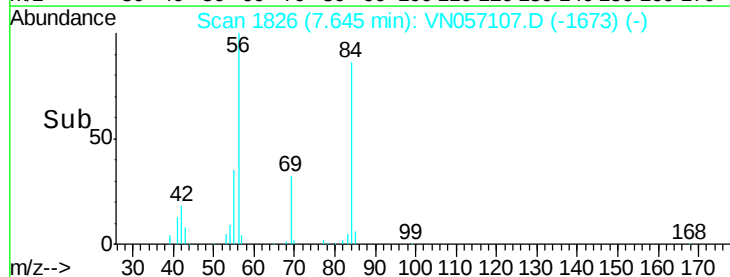
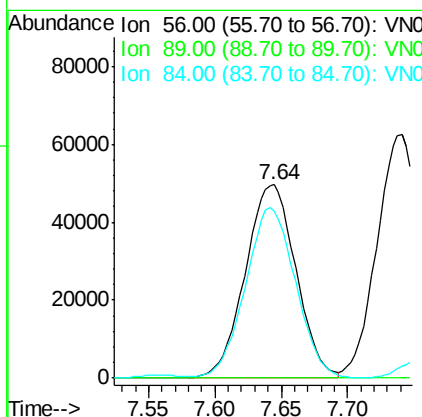
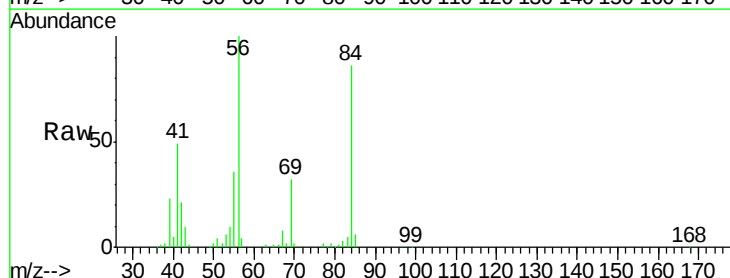
Manual Integrations
APPROVED

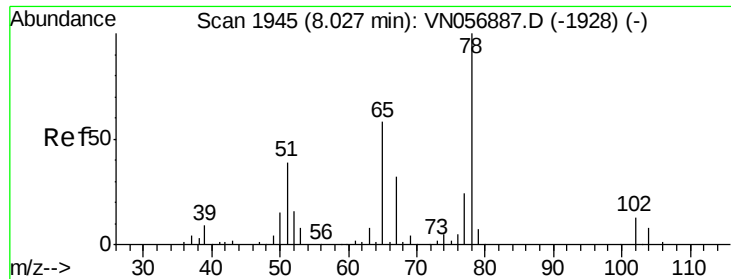
MMdadoda
8/9/2019 12:51:39 AM



#26
Cyclohexane
Concen: 18.213 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	56	Resp	131640
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	87.6	67.8	101.6





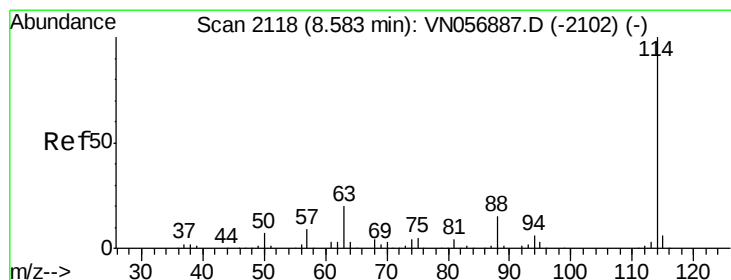
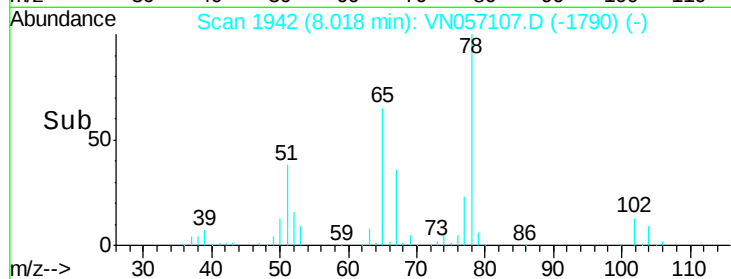
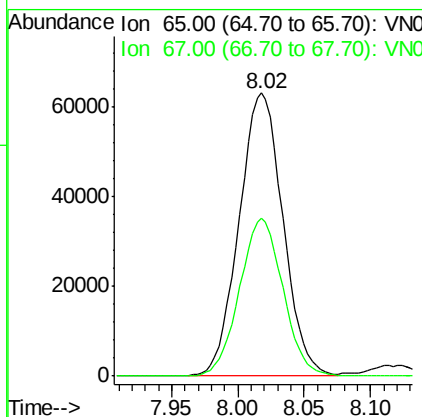
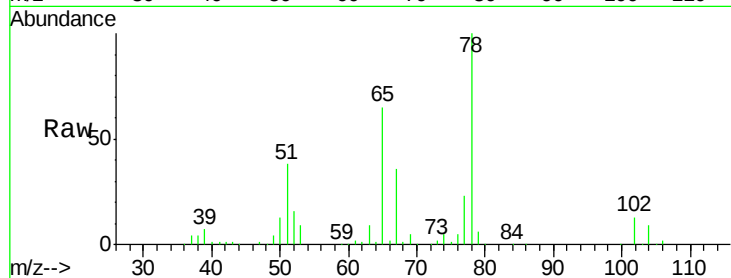
#27
 1,2-Dichloroethane-d4
 Concen: 29.824 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	145688		
67	55.1		44.6	66.8

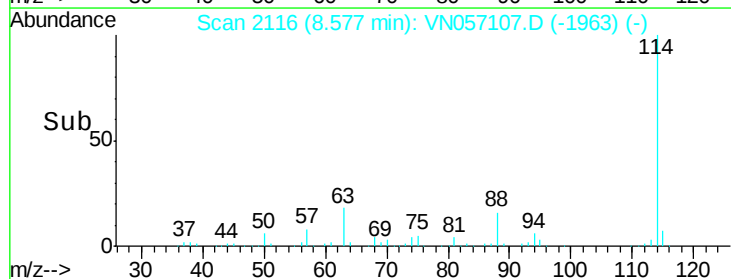
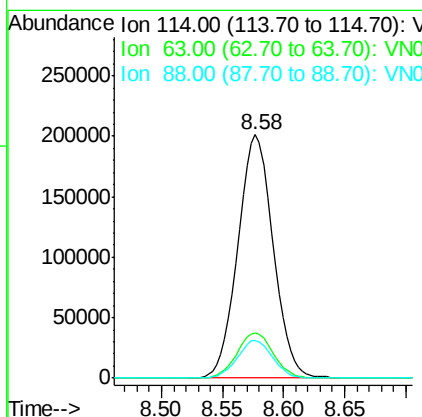
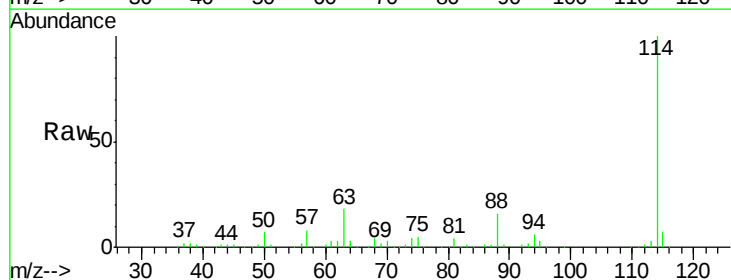
Manual Integrations
 APPROVED

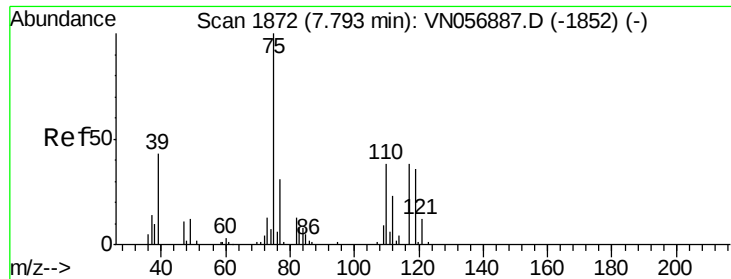
MMdadoda
 8/9/2019 12:51:39 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	401986		
63	19.0		15.8	23.6
88	15.4		12.5	18.7





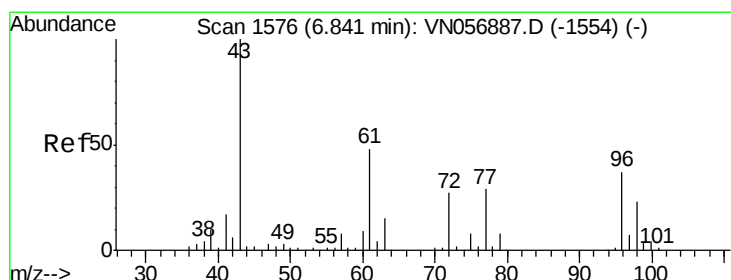
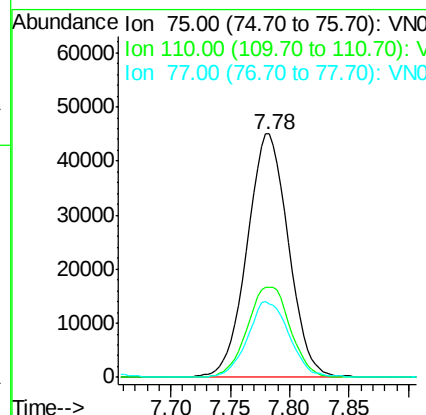
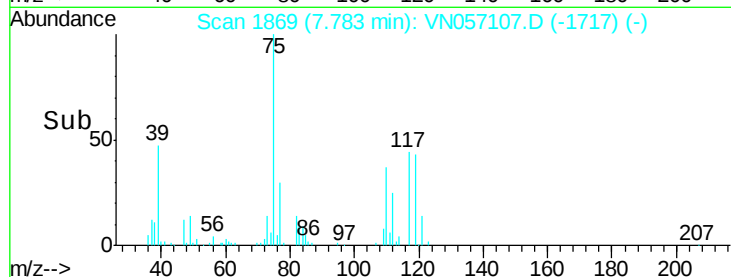
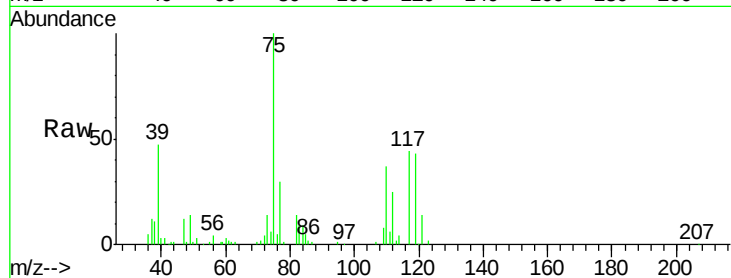
#29
 1,1-Dichloropropene
 Concen: 18.975 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.7	0.0	75.8
77	31.5	0.0	64.0

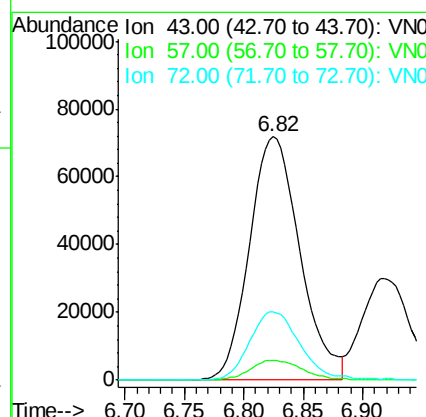
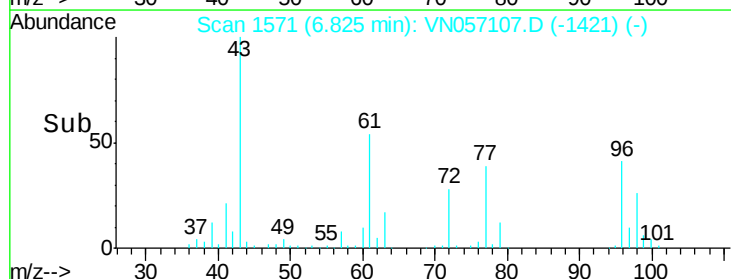
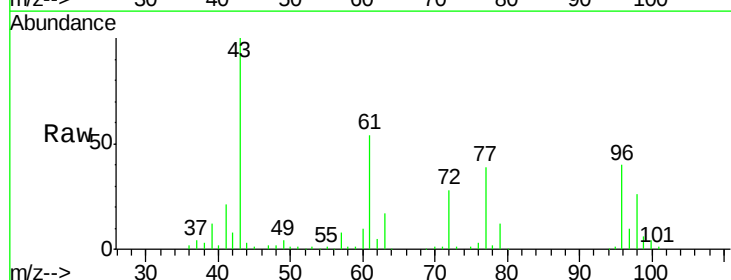
Manual Integrations
 APPROVED

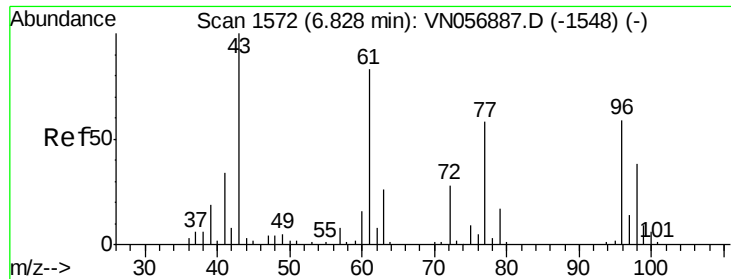
MMDadoda
 8/9/2019 12:51:39 AM



#30
 2-Butanone
 Concen: 91.516 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.5	6.5	9.7
72	27.5	22.1	33.1





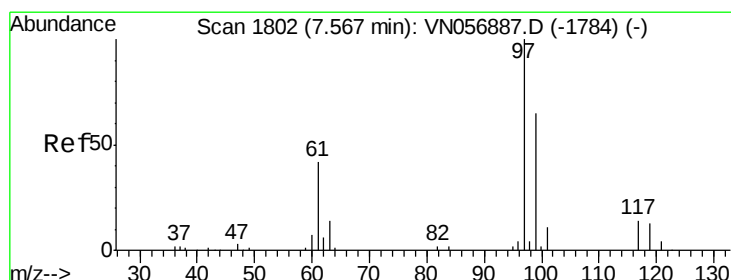
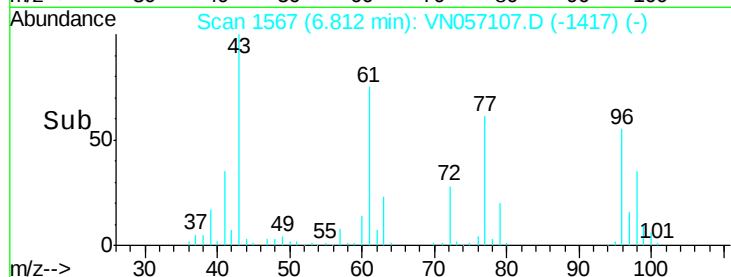
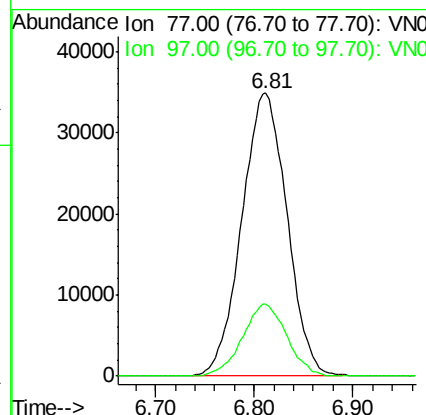
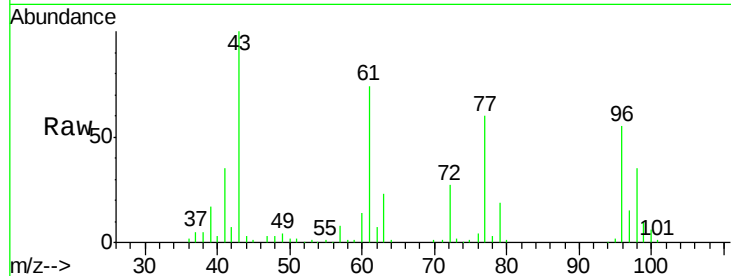
#31
 2,2-Dichloropropane
 Concen: 20.947 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion: 77 Resp: 110887
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.3 28.9

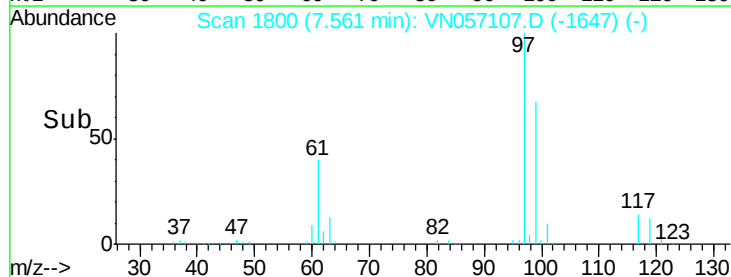
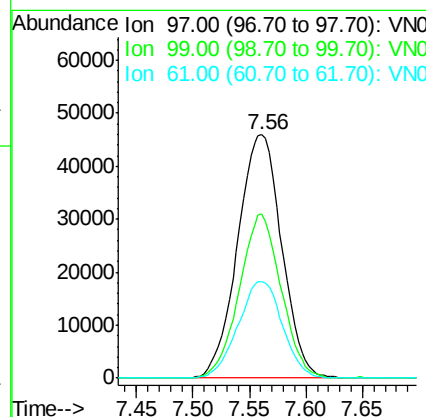
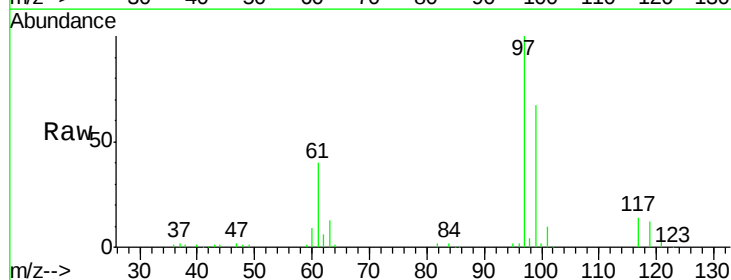
Manual Integrations
 APPROVED

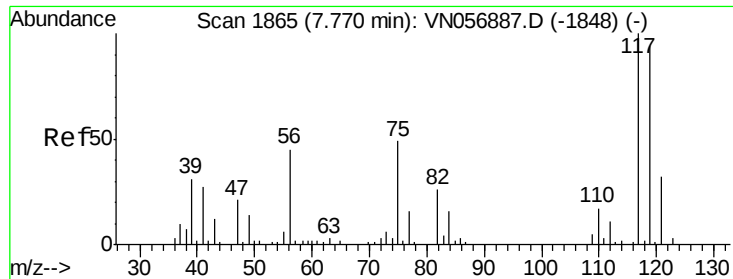
MMdadoda
 8/9/2019 12:51:39 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.848 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion: 97 Resp: 124404
 Ion Ratio Lower Upper
 97 100
 99 63.8 52.3 78.5
 61 39.9 34.4 51.6





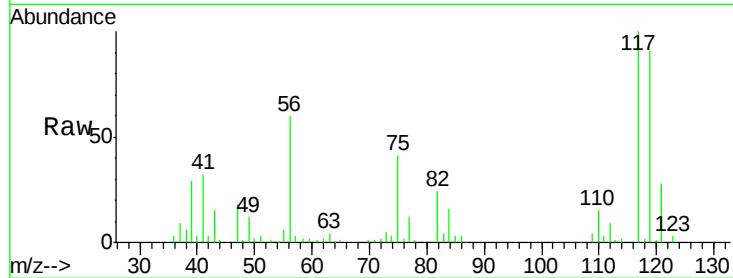
#33
Carbon Tetrachloride
Concen: 19.529 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	106835		
119	90.7	75.1	112.7	
121	28.4	25.8	38.8	

Manual Integrations
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MMdadoda
8/9/2019 12:51:39 AM

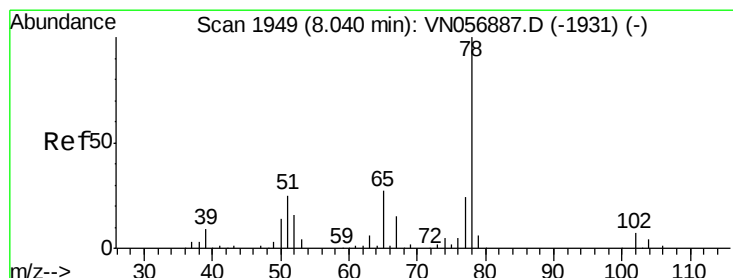
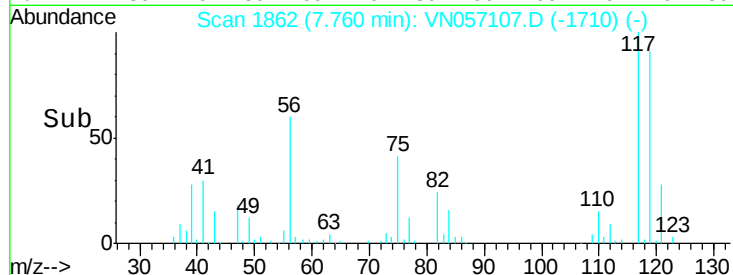
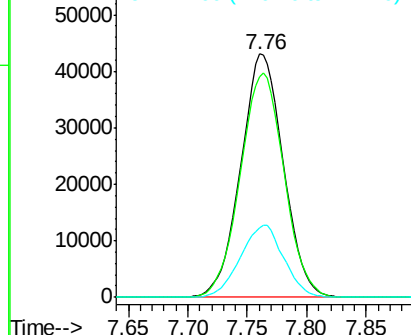


Abundance

Ion 117.00 (116.70 to 117.70): V

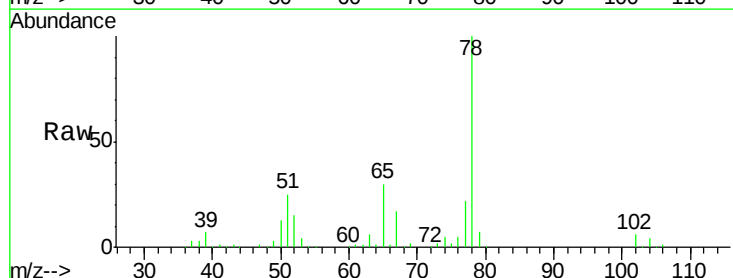
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34
Benzene
Concen: 18.690 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	335932		
77	22.3	19.4	29.2	
51	25.1	20.4	30.6	

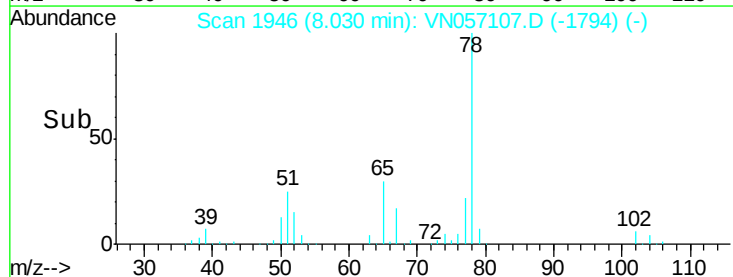
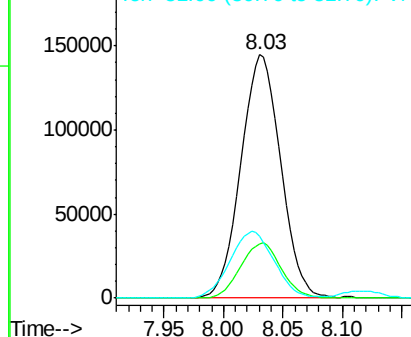


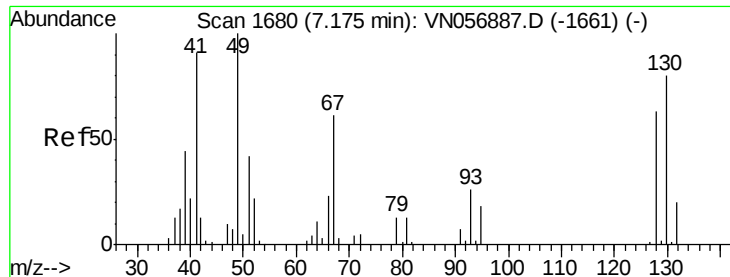
Abundance

Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





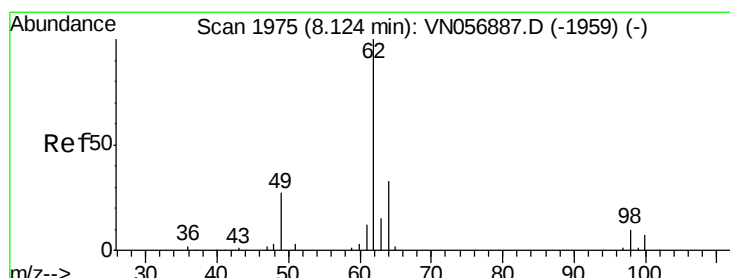
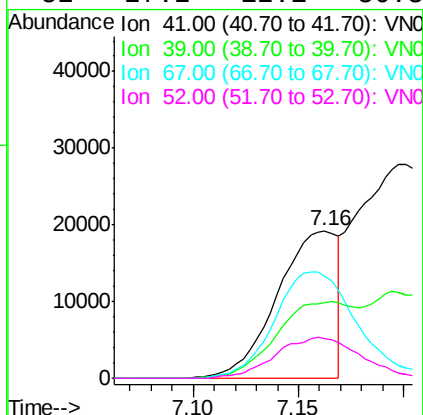
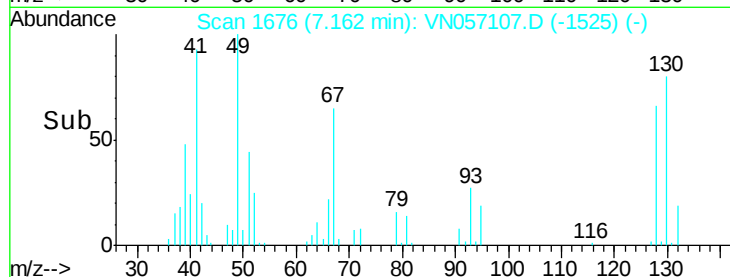
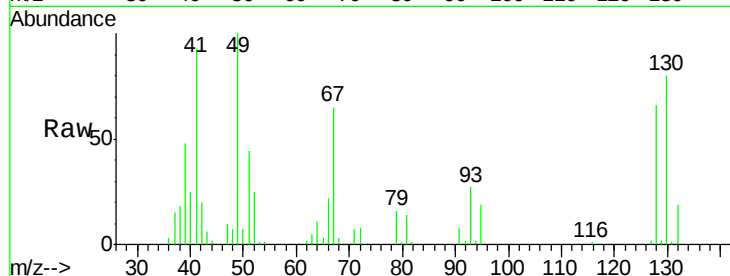
#35
Methacrylonitrile
Concen: 16.701 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	24.4	73.2	
67	69.9	33.4	100.1	
52	27.2	12.1	36.3	

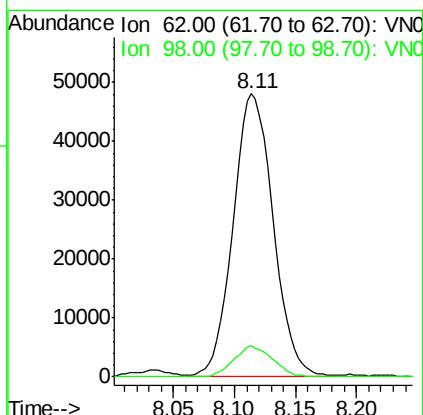
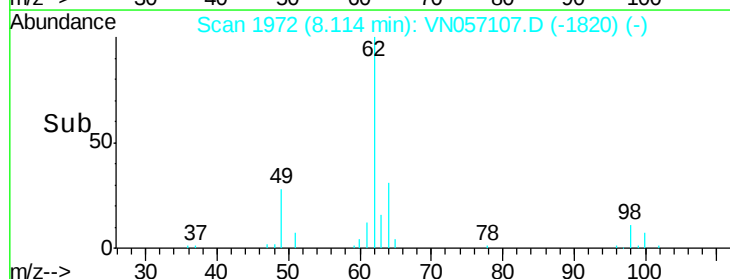
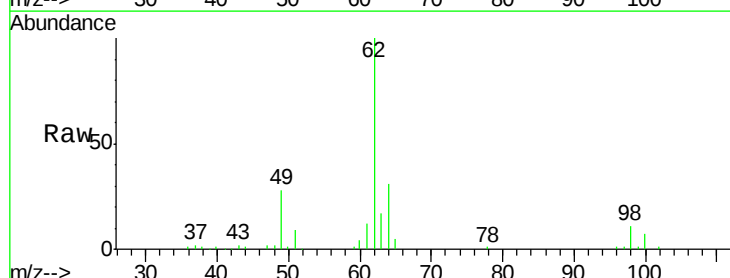
Manual Integrations
APPROVED

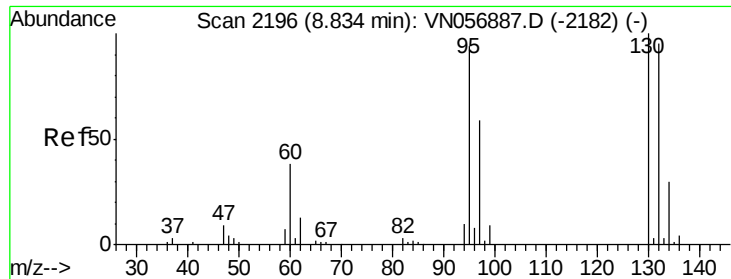
MMDadoda
8/9/2019 12:51:39 AM



#36
1,2-Dichloroethane
Concen: 19.649 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	7.7	11.5	





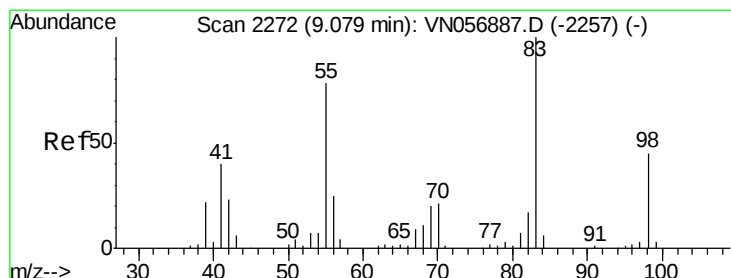
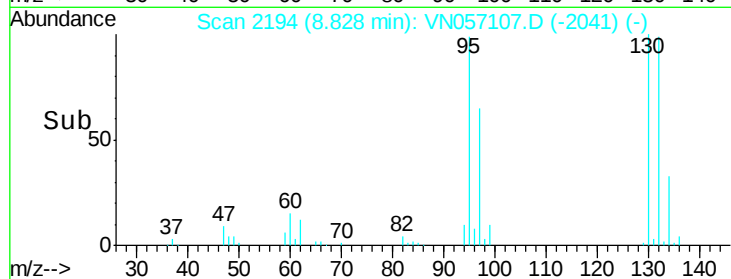
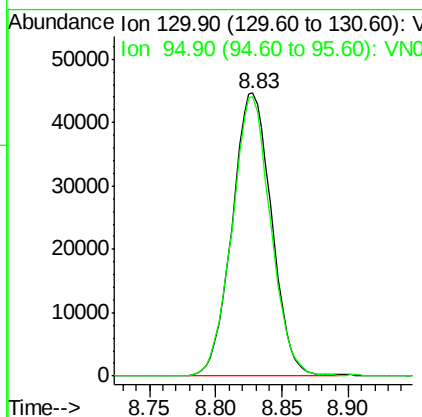
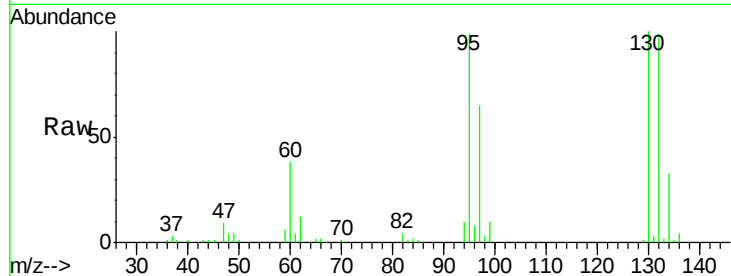
#37
 Trichloroethene
 Concen: 19.174 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion:130 Resp: 92396
 Ion Ratio Lower Upper
 130 100
 95 98.6 74.9 112.3

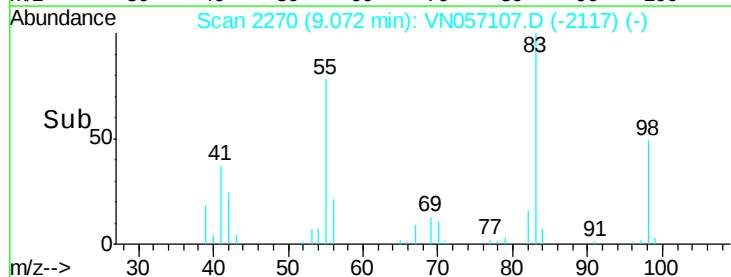
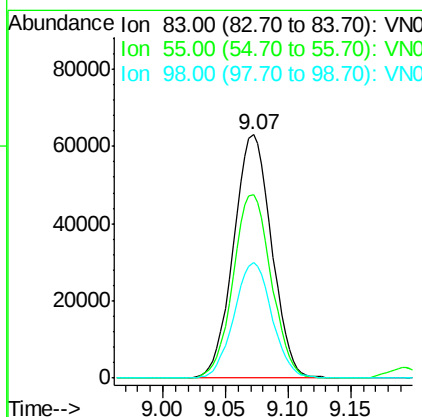
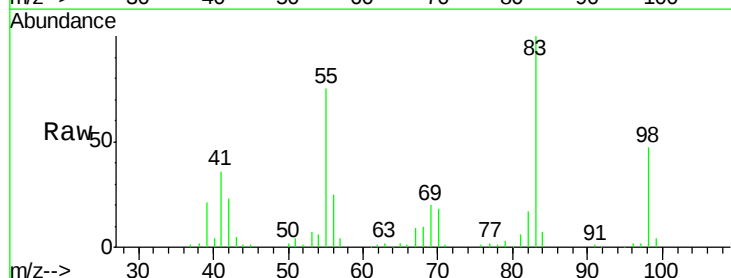
Manual Integrations
 APPROVED

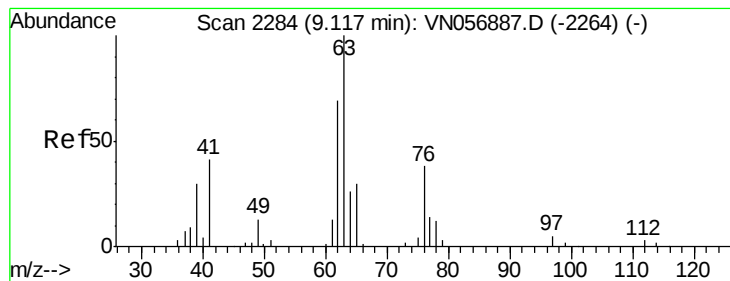
MMdadoda
 8/9/2019 12:51:39 AM



#38
 Methylcyclohexane
 Concen: 18.329 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion: 83 Resp: 133007
 Ion Ratio Lower Upper
 83 100
 55 75.5 38.4 115.1
 98 47.3 22.7 68.0





#39

1,2-Dichloropropane

Concen: 18.229 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD02

Tot Ion: 63 Resp: 87460

Ion Ratio Lower Upper

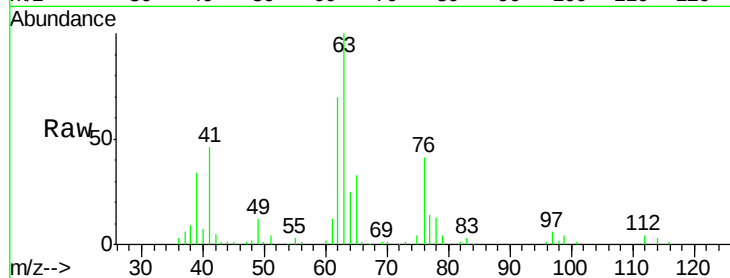
63 100

65 32.7 24.6 36.8

Manual Integrations
APPROVED

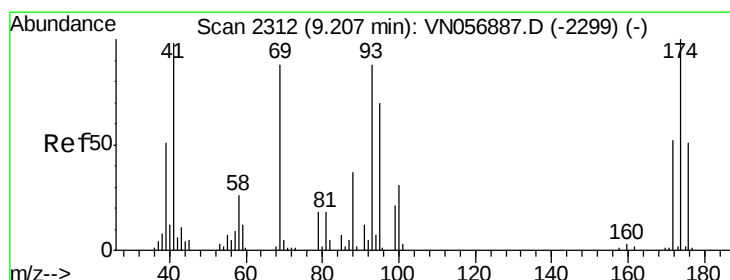
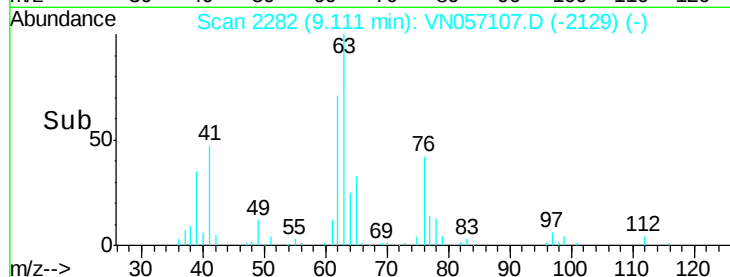
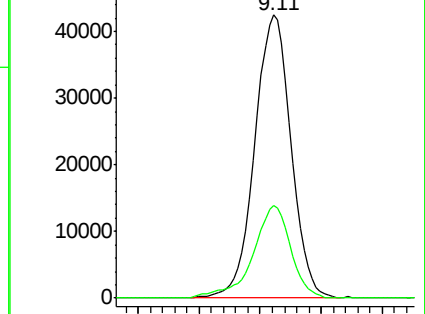
MMdadoda

8/9/2019 12:51:39 AM



Abundance Ion 63.00 (62.70 to 63.70): VN057107.D (-2129) (-)

Ion 65.00 (64.70 to 65.70): VN057107.D (-2129) (-)



#40

Dibromomethane

Concen: 19.148 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

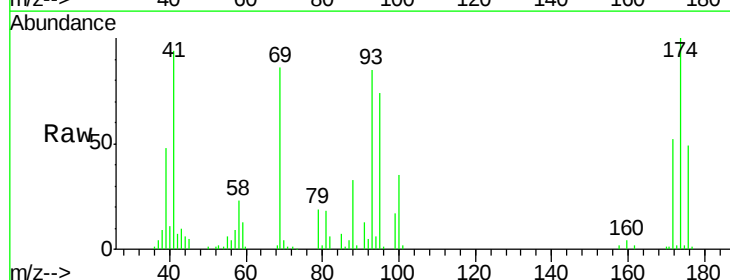
Tgt Ion: 93 Resp: 56357

Ion Ratio Lower Upper

93 100

95 86.2 0.0 165.8

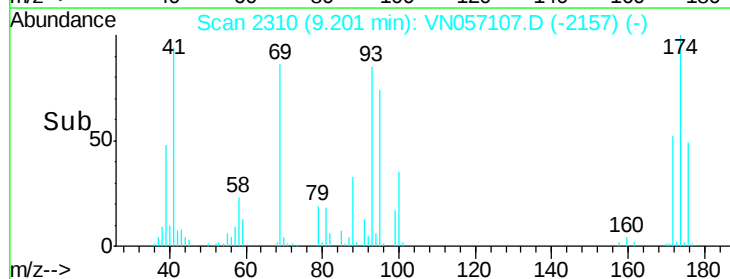
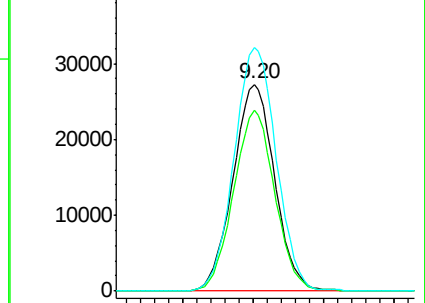
174 119.1 0.0 232.4

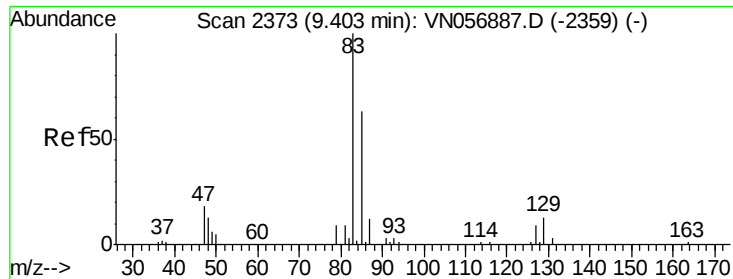


Abundance Ion 93.00 (92.70 to 93.70): VN057107.D (-2157) (-)

Ion 95.00 (94.70 to 95.70): VN057107.D (-2157) (-)

Ion 174.00 (173.70 to 174.70): VN057107.D (-2157) (-)





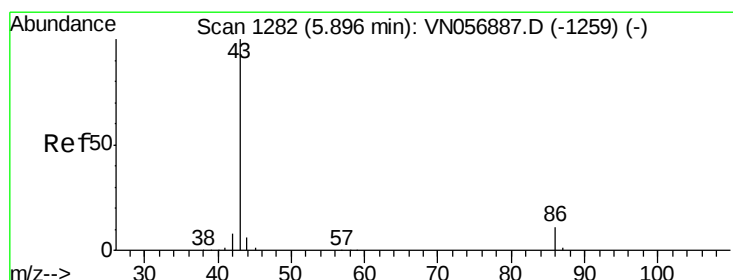
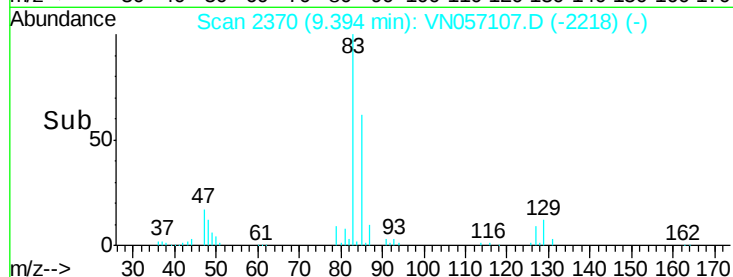
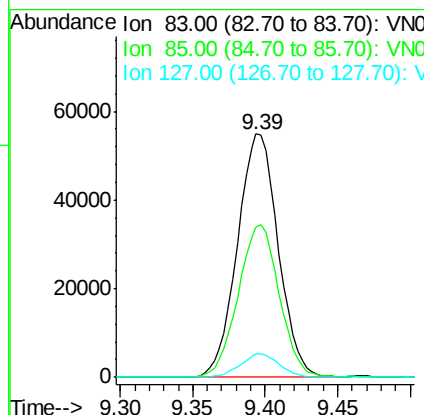
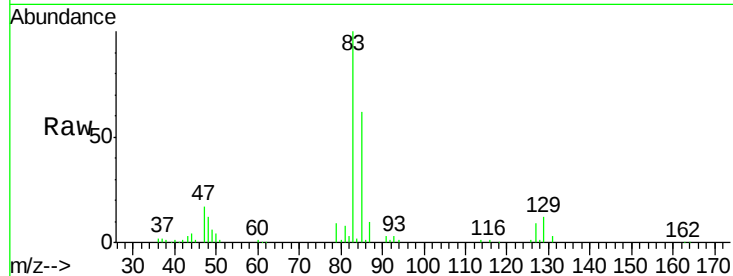
#41
Bromodichloromethane
Concen: 19.013 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	83	Resp	107530
Ion Ratio	Lower	Upper	
83	100		
85	61.9	50.6	75.8
127	9.5	7.2	10.8

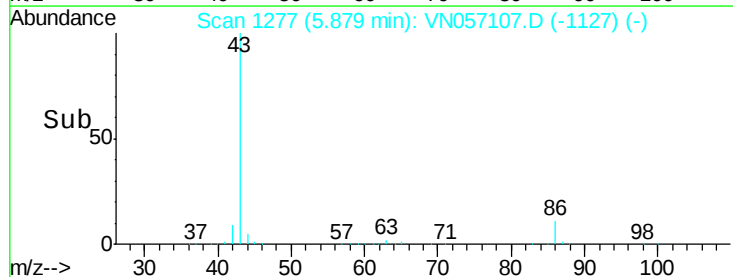
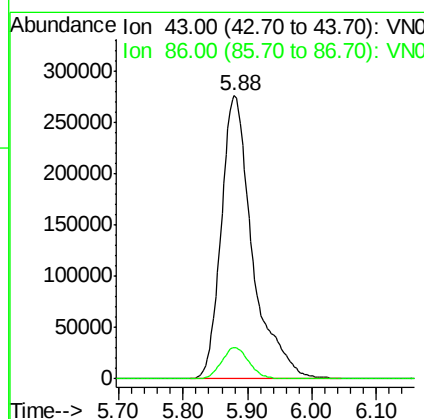
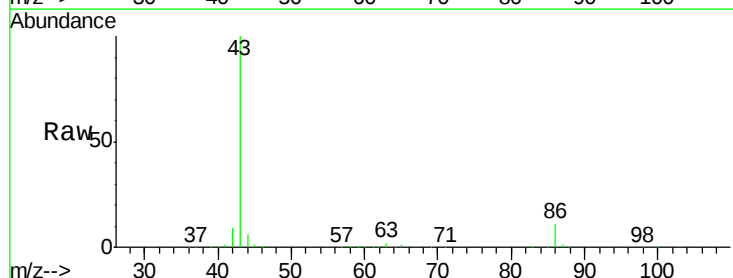
Manual Integrations
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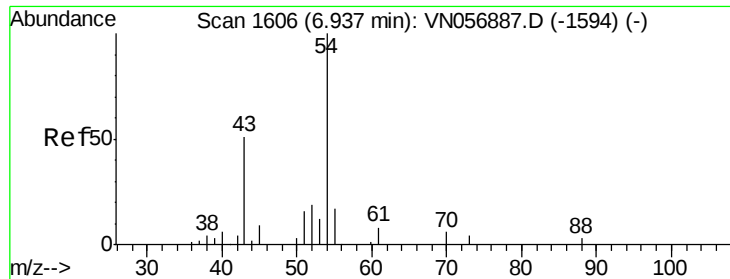
MMDadoda
8/9/2019 12:51:39 AM



#42
Vinyl Acetate
Concen: 91.405 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	43	Resp	932923
Ion Ratio	Lower	Upper	
43	100		
86	9.7	7.4	11.2





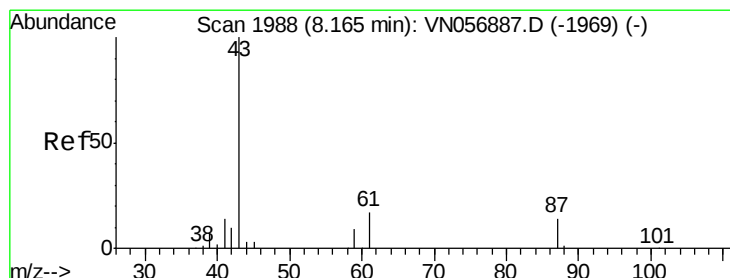
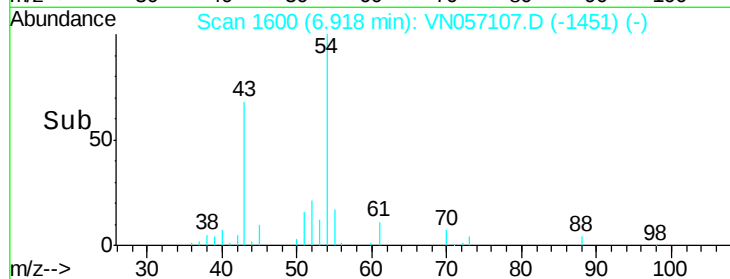
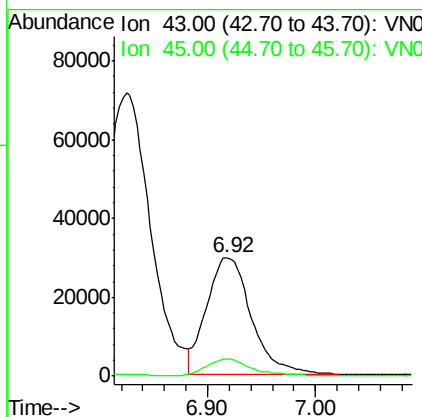
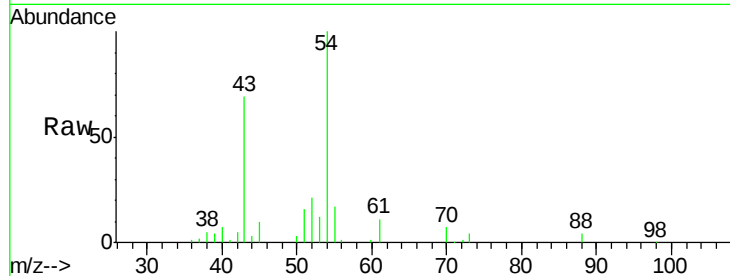
#43
Ethyl Acetate
Concen: 18.259 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion: 43 Resp: 85789
Ion Ratio Lower Upper
43 100
45 15.3 10.2 15.2#

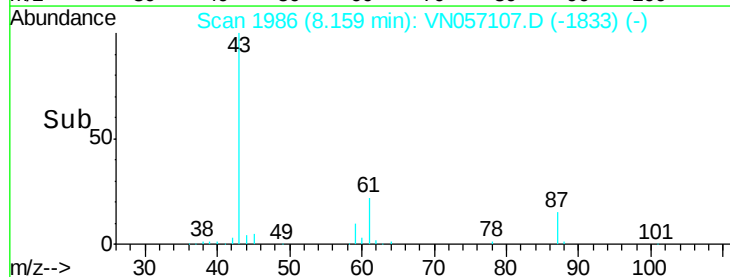
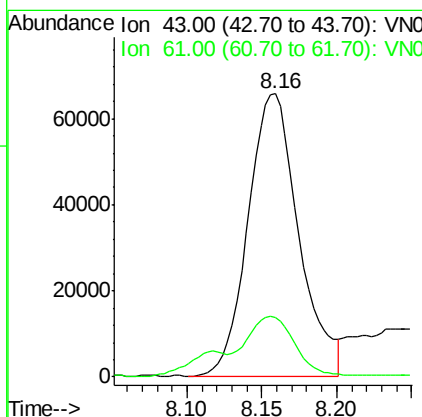
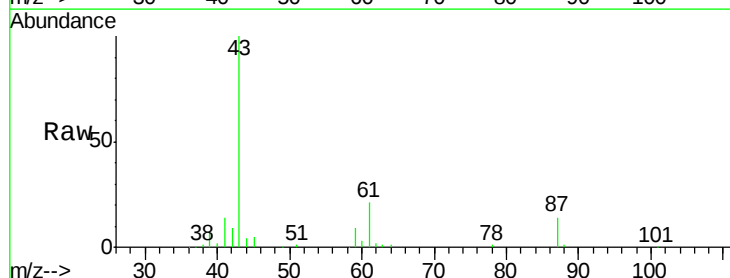
Manual Integrations
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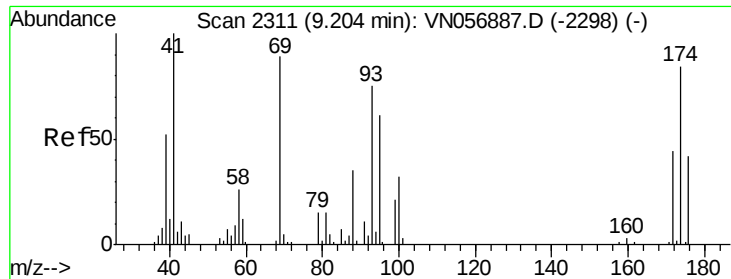
MMdadoda
8/9/2019 12:51:39 AM



#44
Isopropyl Acetate
Concen: 19.772 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion: 43 Resp: 154845
Ion Ratio Lower Upper
43 100
61 19.5 23.0 34.4#





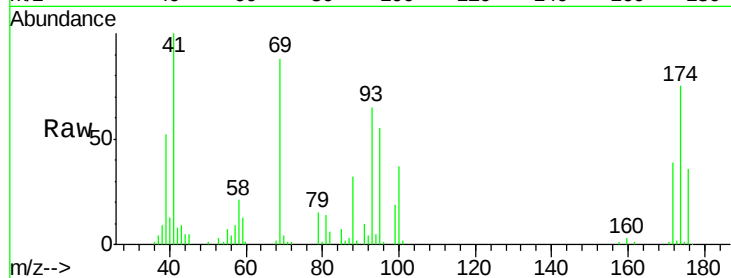
#45
 1,4-Dioxane
 Concen: 372.787 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

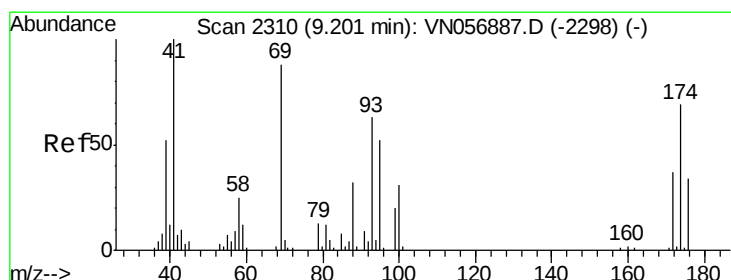
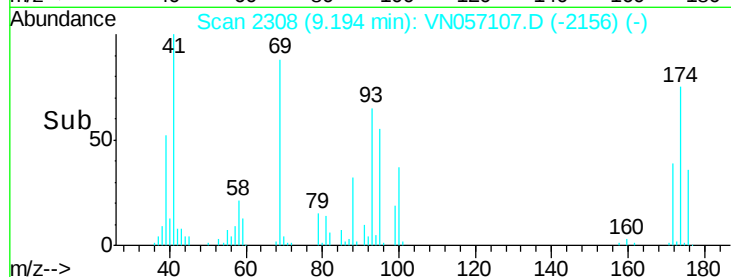
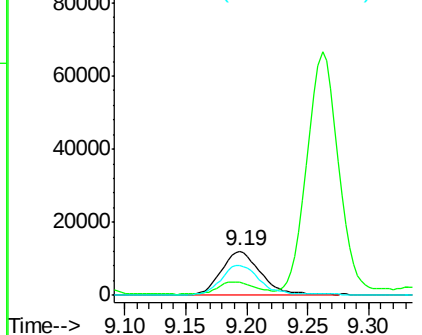
Tot Ion	Ratio	Lower	Upper
88	100		
43	26.7	23.4	35.0
58	65.8	58.5	87.7

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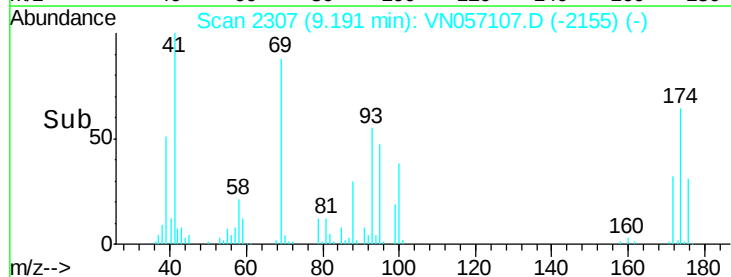
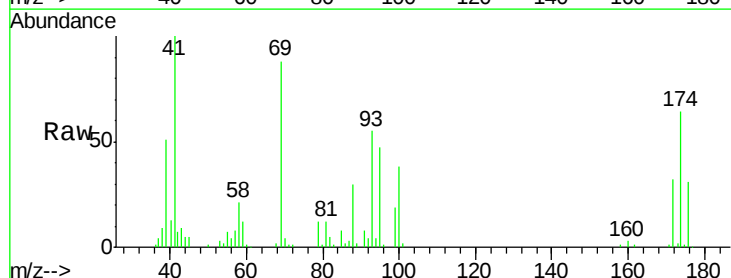
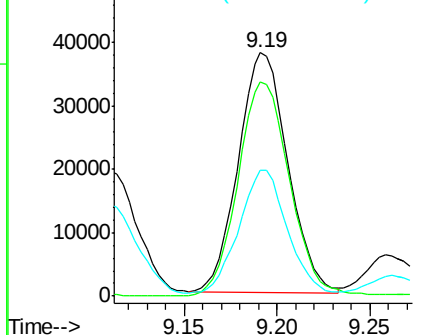
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

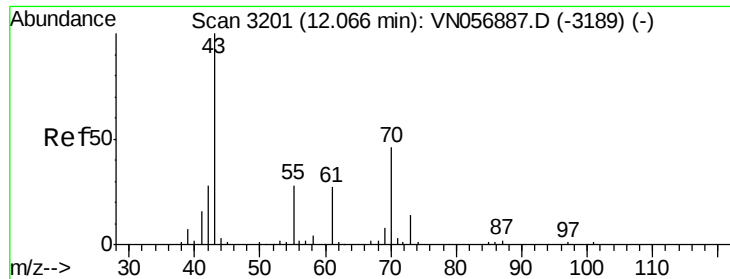


#46
 Methyl methacrylate
 Concen: 17.882 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.9	44.0	132.0
39	51.1	25.8	77.4

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





#47

n-amvl Acetate

Concen: 17.822 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD02

Tot Ion: 43 Resp: 111735

Ion Ratio Lower Upper

43 100

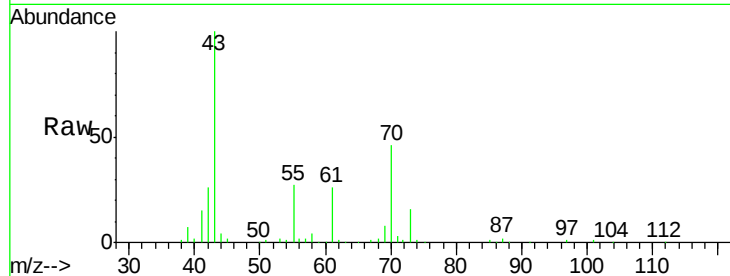
55 27.1 21.3 31.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

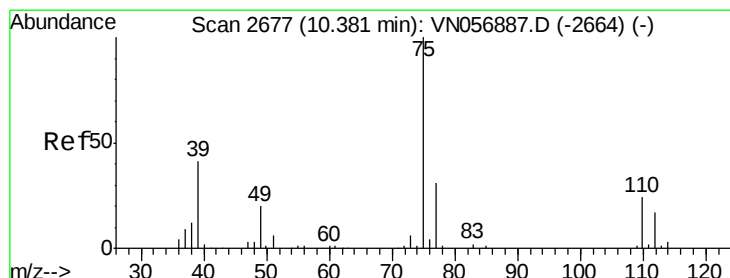
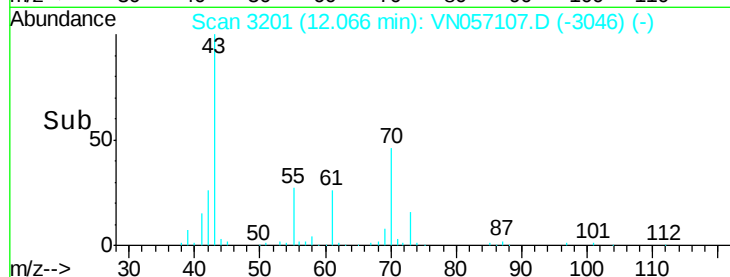
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 18.988 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN057107.D

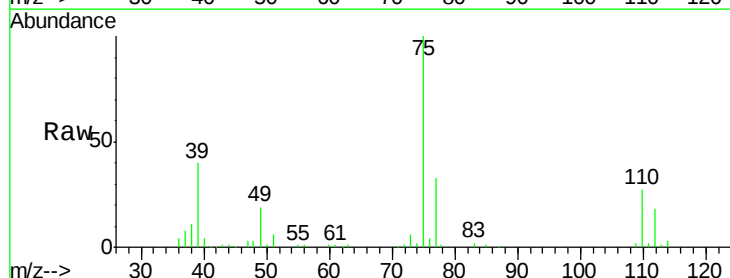
Acq: 6 Aug 2019 16:49

Tgt Ion: 75 Resp: 111750

Ion Ratio Lower Upper

75 100

77 32.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.37

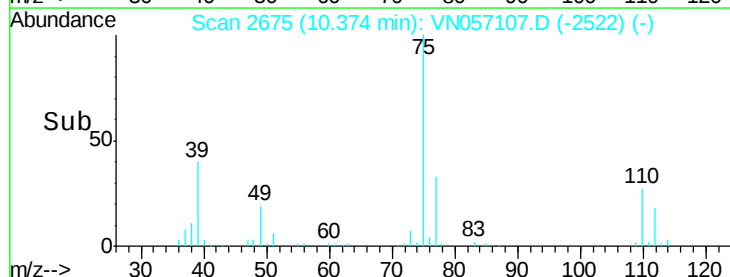
60000

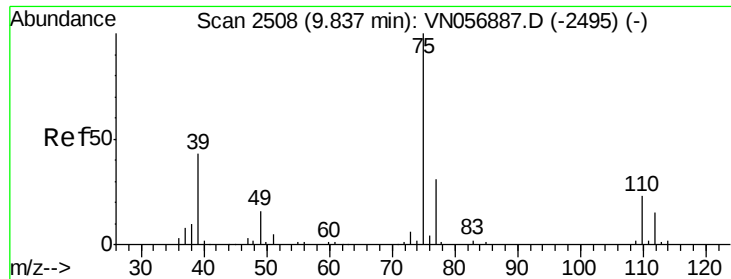
40000

20000

0

Time-->





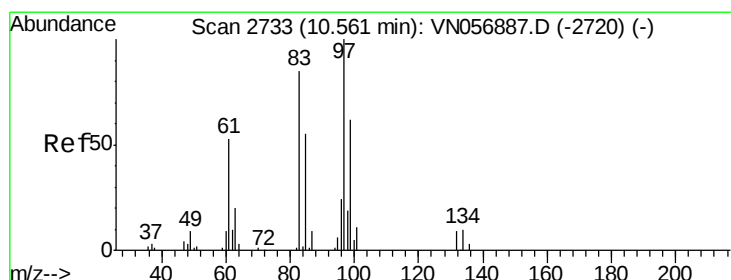
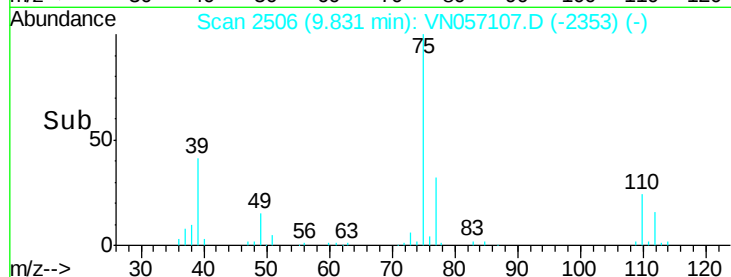
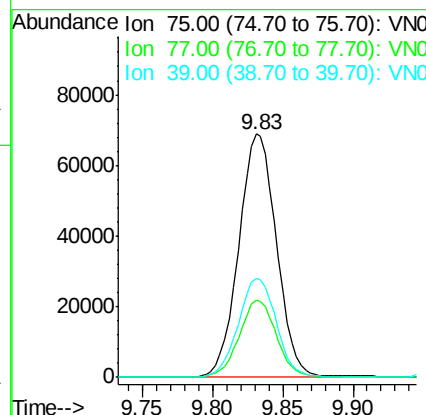
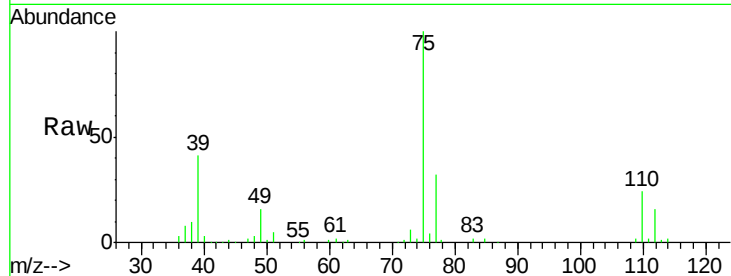
#49
 cis-1,3-Dichloropropene
 Concen: 18.814 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100	129032		
77	31.9		24.4	36.6
39	40.6		34.2	51.4

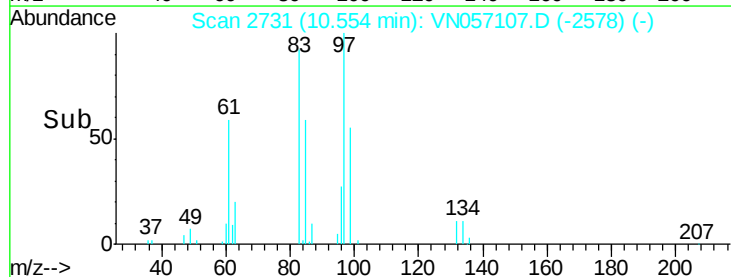
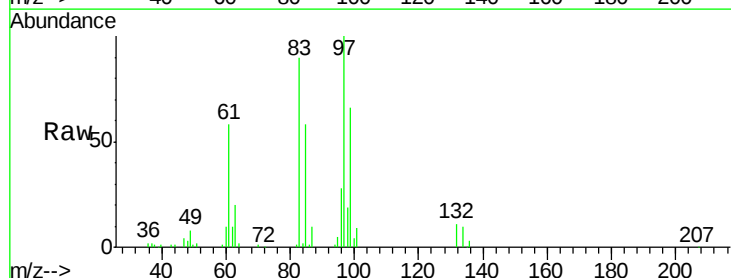
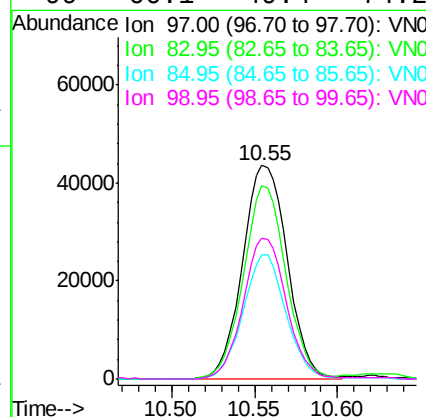
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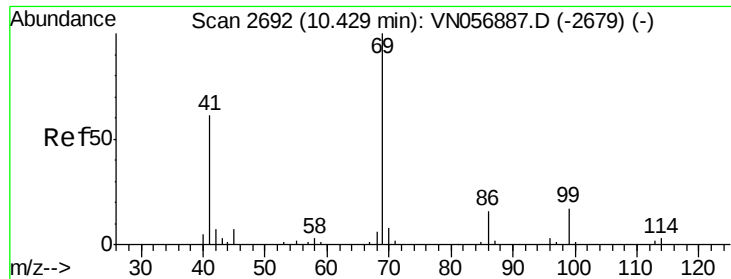
MMdadoda
 8/9/2019 12:51:39 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.301 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.01 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	81562		
83	90.3		68.4	102.6
85	58.2		44.3	66.5
99	66.1		49.4	74.2





#51

Ethyl methacrylate

Concen: 18.733 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

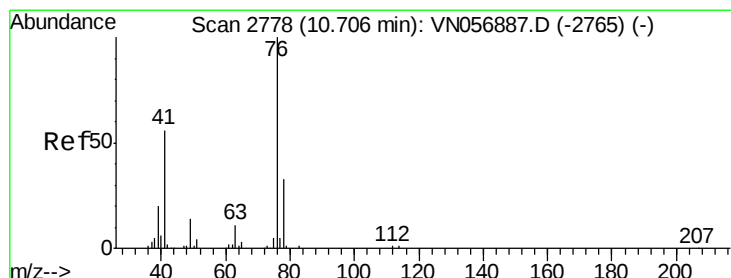
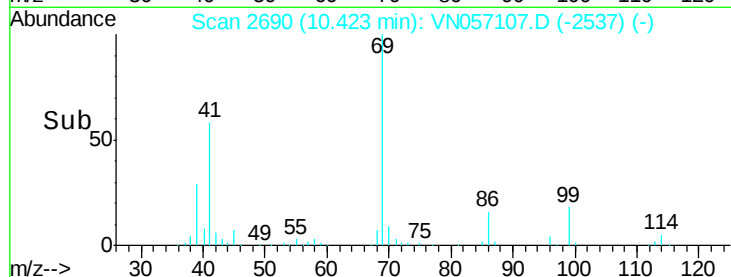
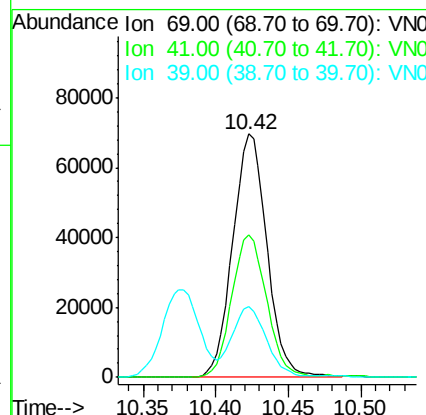
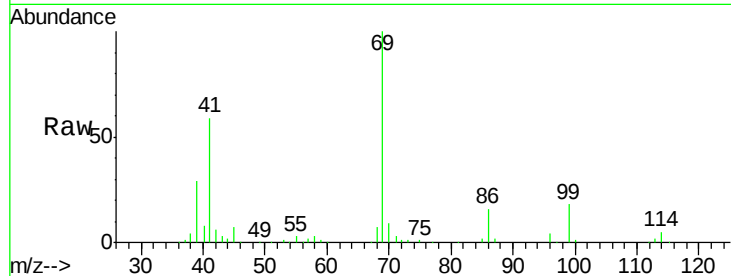
ClientSampleId :

VN0806WBSD02

Tot Ion:	69	Resp:	114503
Ion	Ratio	Lower	Upper
69	100		
41	58.3	30.4	91.3
39	28.6	14.2	42.6

Manual Integrations
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8/9/2019 12:51:39 AM



#52

1,3-Dichloropropane

Concen: 18.905 ug/l

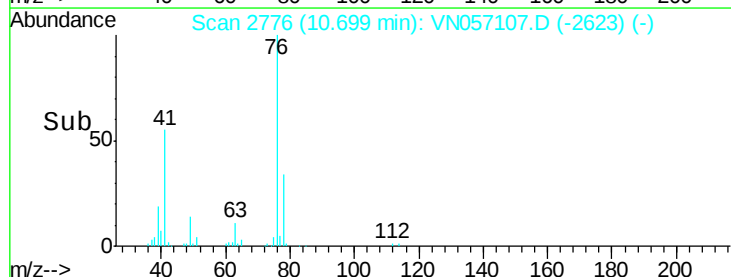
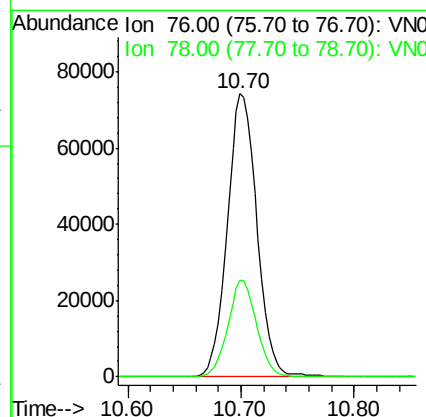
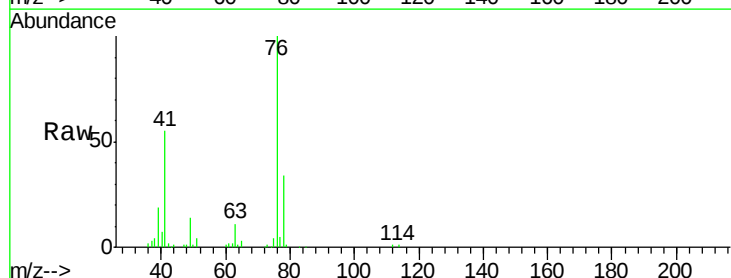
RT: 10.70 min Scan# 2776

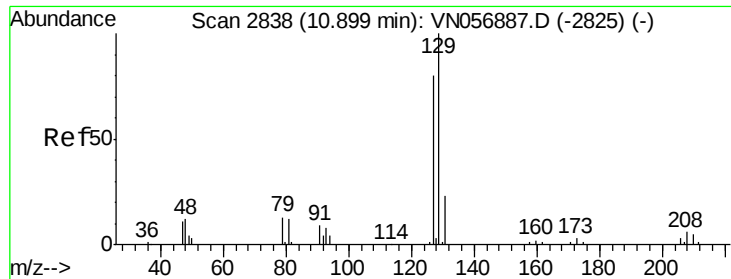
Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	76	Resp:	134828
Ion	Ratio	Lower	Upper
76	100		
78	33.0	0.0	64.2





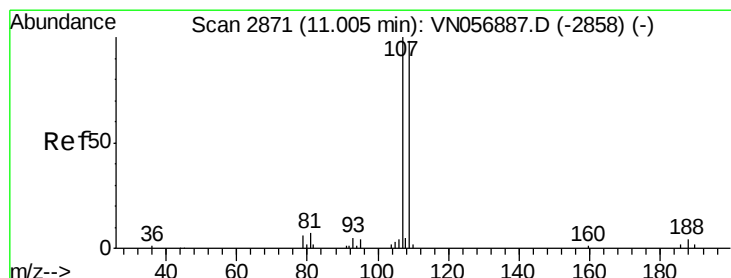
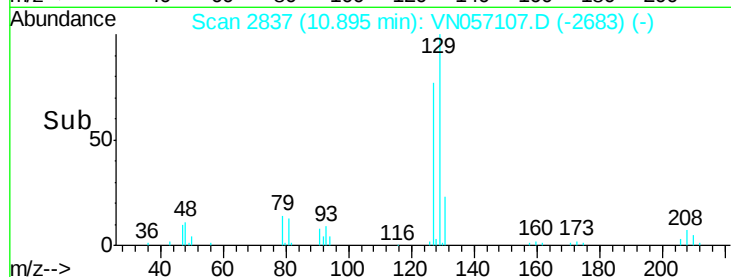
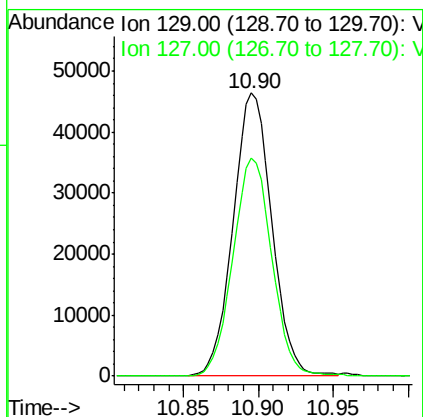
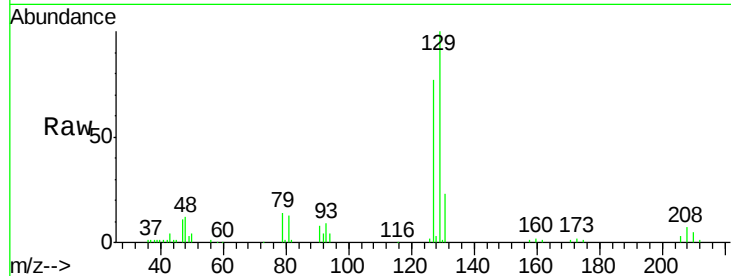
#53
Dibromochloromethane
Concen: 19.055 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD02

Tot Ion:129 Resp: 83698
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.4

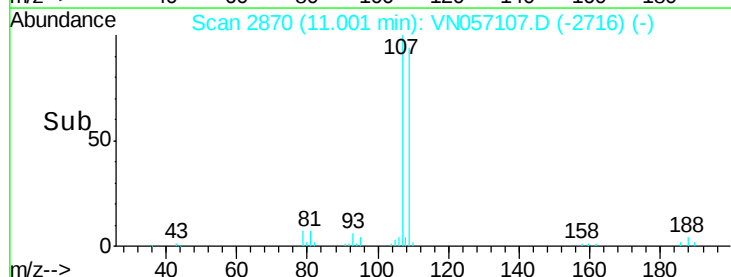
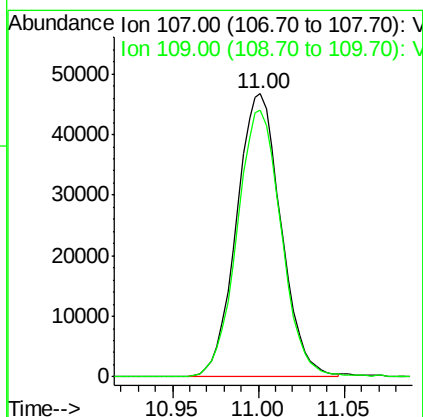
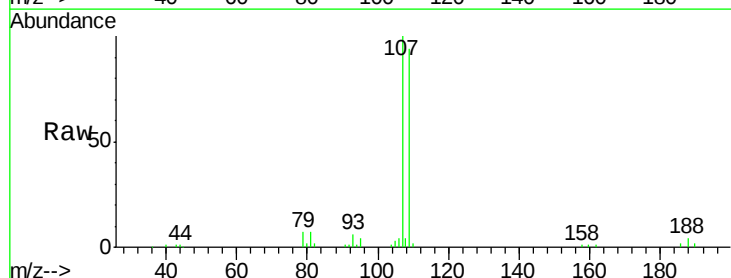
Manual Integrations
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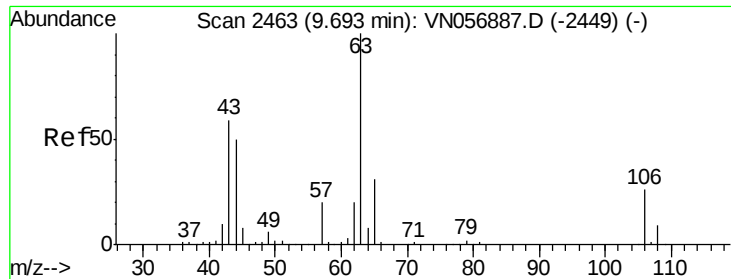
MMdadoda
8/9/2019 12:51:39 AM



#54
1,2-Dibromoethane
Concen: 19.508 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion:107 Resp: 84102
Ion Ratio Lower Upper
107 100
109 93.7 76.2 114.2





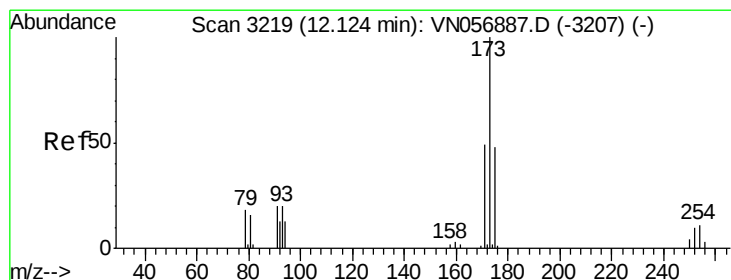
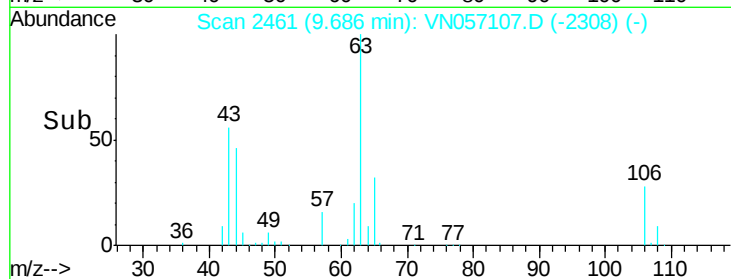
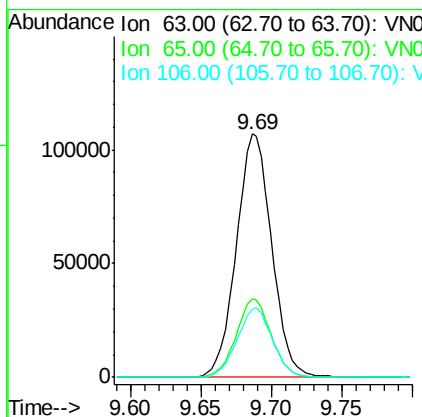
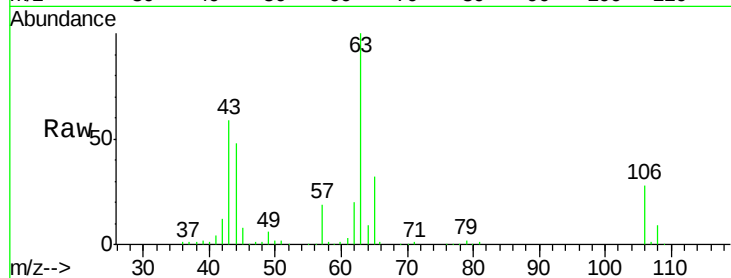
#55
2-Chloroethyl vinyl ether
Concen: 71.022 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.01 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.1	37.7
106	28.3	21.5	32.3

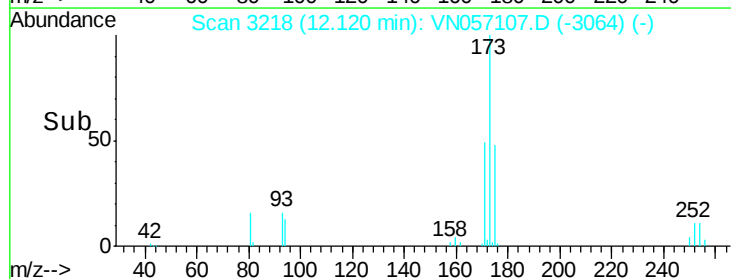
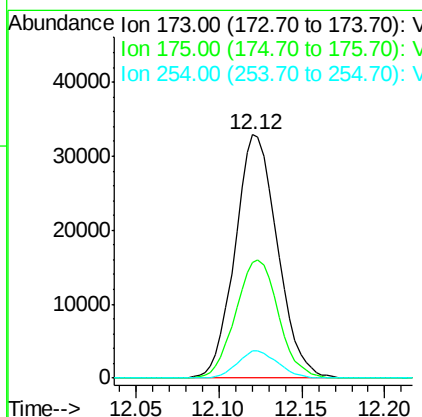
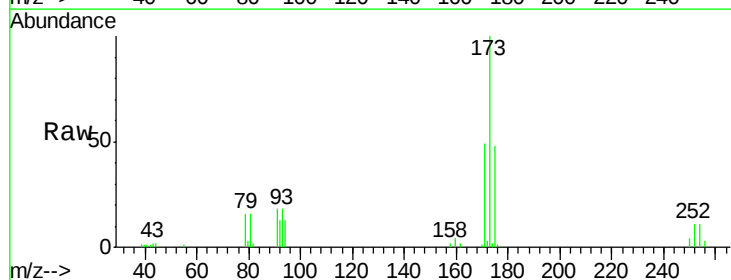
Manual Integrations
APPROVED

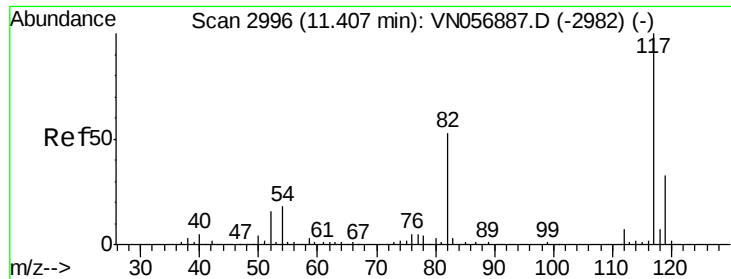
MMDadoda
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#56
Bromoform
Concen: 19.280 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.8	58.2
254	10.6	8.1	12.1





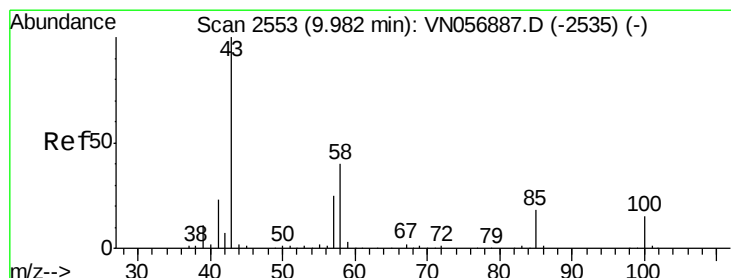
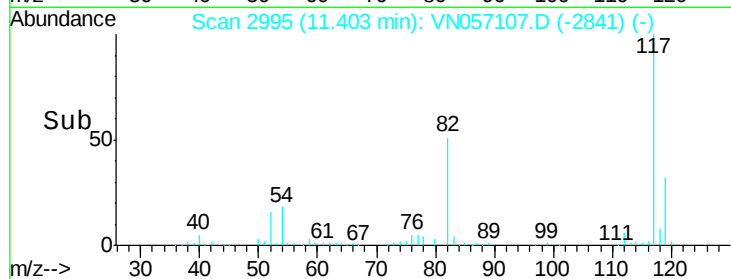
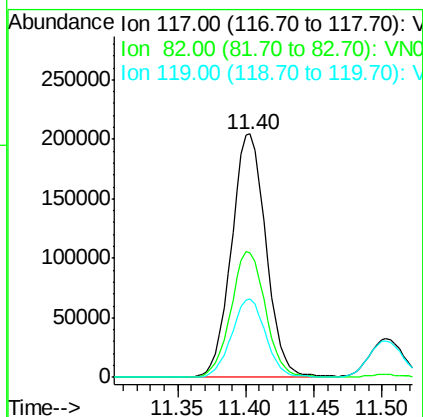
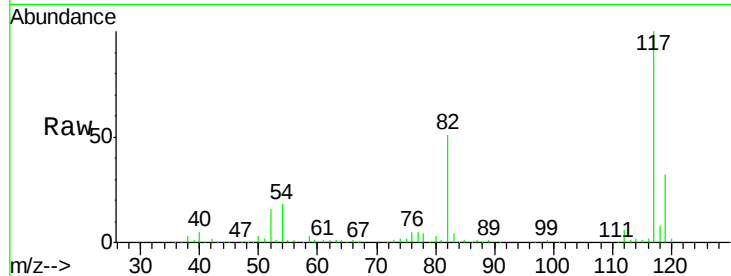
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.0	64.4
119	31.9	26.2	39.2

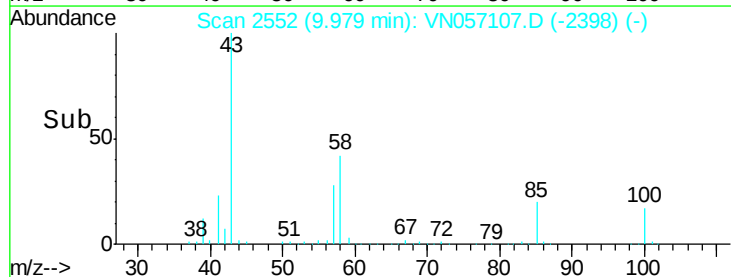
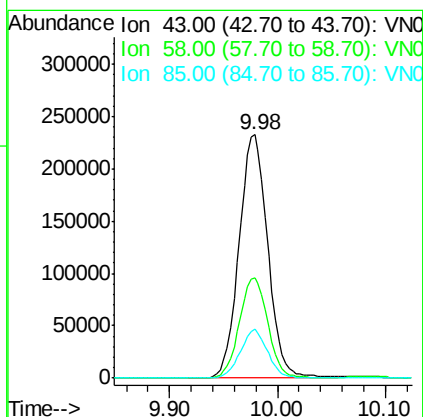
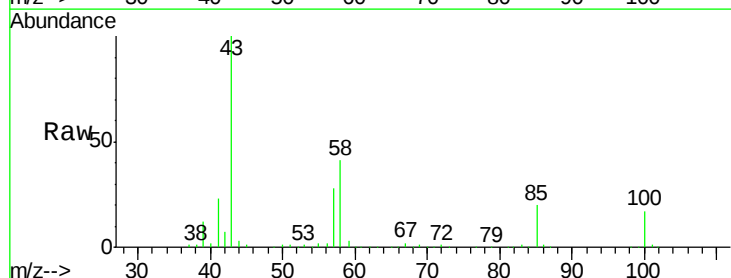
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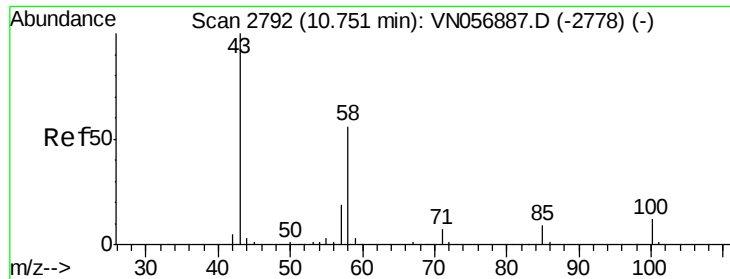
MMDadoda
8/9/2019 12:51:39 AM



#58
4-Methyl-2-Pentanone
Concen: 88.932 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.3	31.7	47.5
85	19.2	14.5	21.7





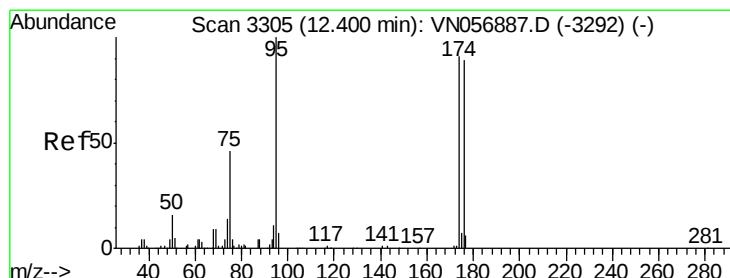
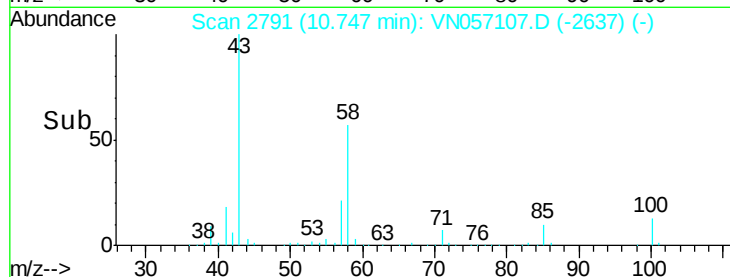
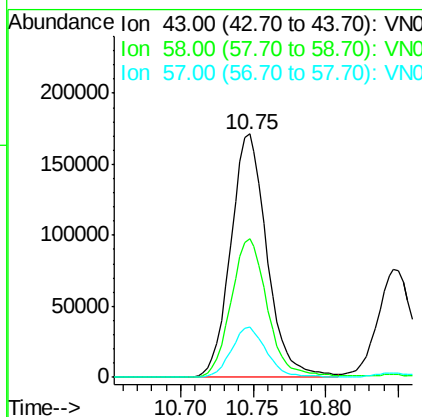
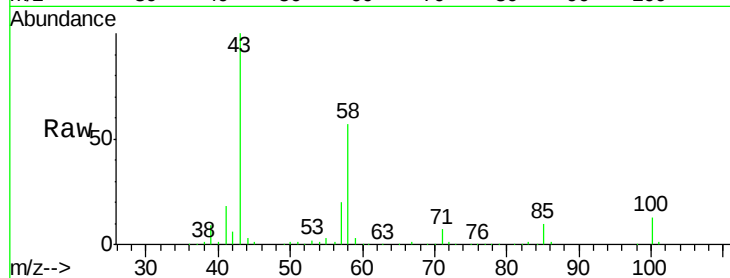
#59
2-Hexanone
Concen: 89.914 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	45.0	67.4
57	20.3	15.4	23.0

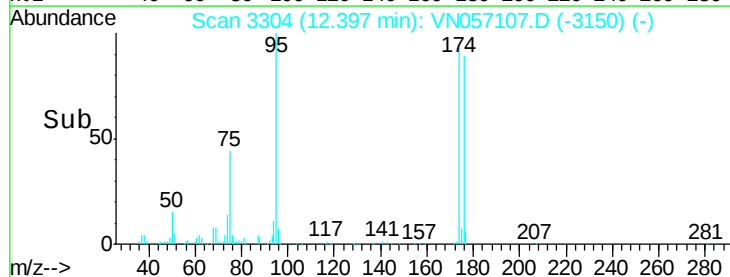
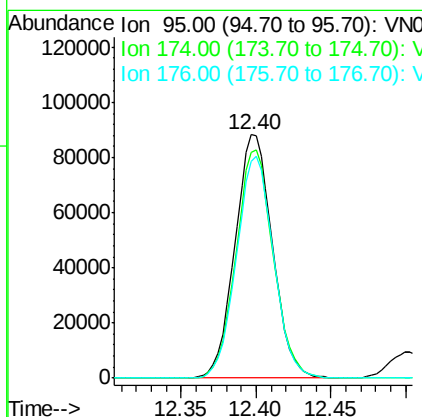
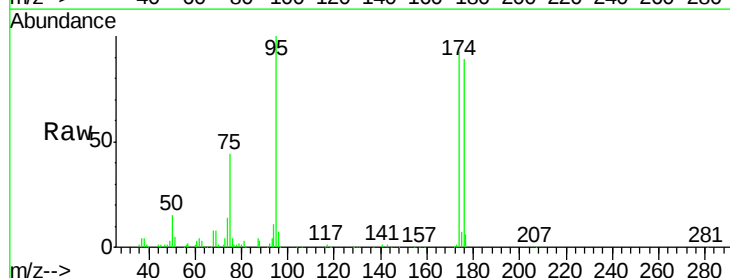
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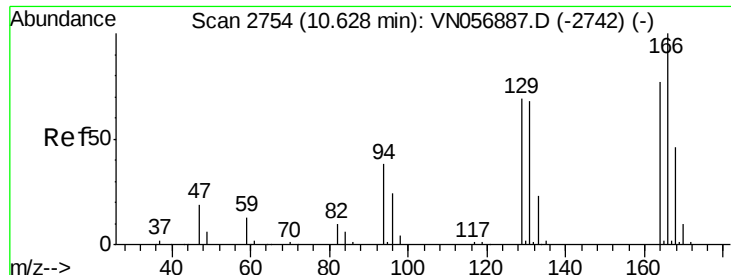
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#60
4-Bromofluorobenzene
Concen: 28.539 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.2	71.9	107.9
176	90.2	69.8	104.8





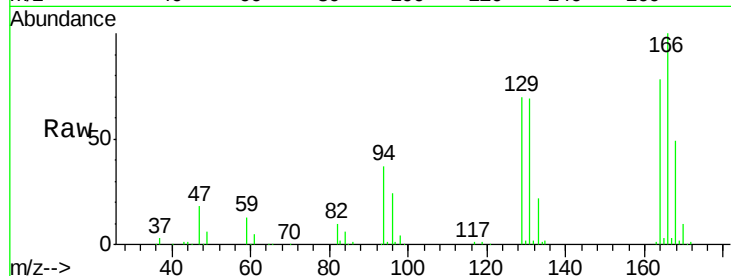
#61
Tetrachloroethene
Concen: 18.073 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.9	155.9
129	89.4	72.4	108.6
131	88.0	70.3	105.5

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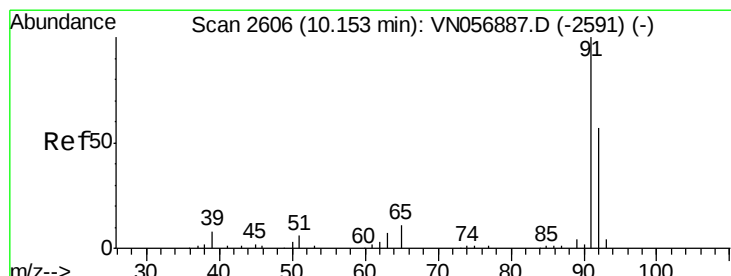
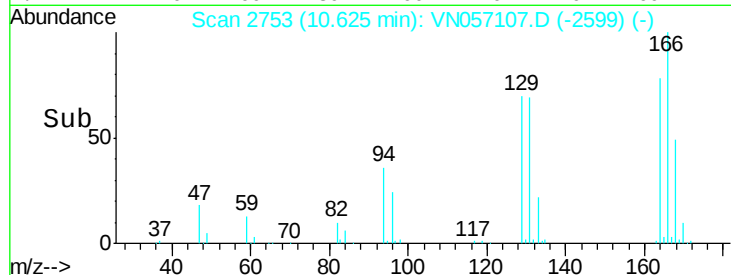
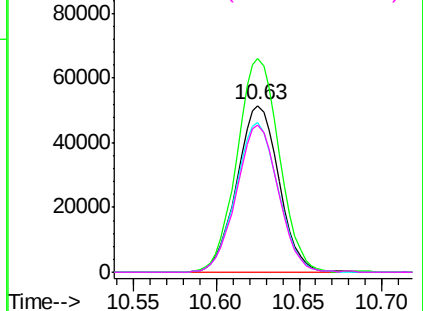
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

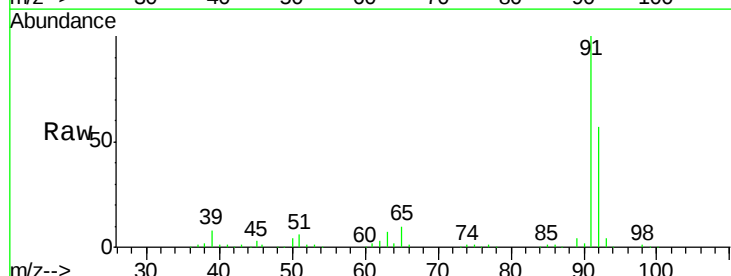
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 18.658 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

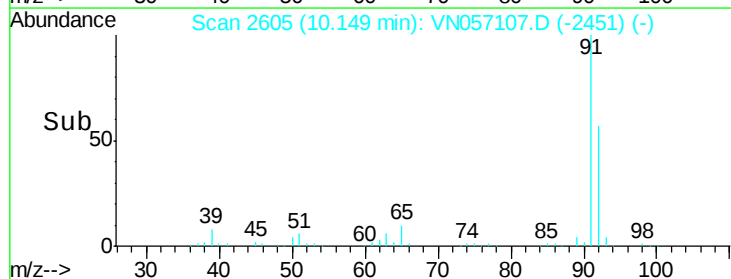
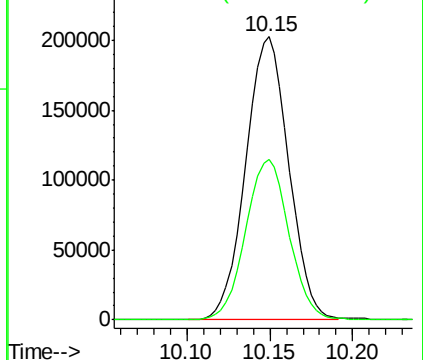
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.5	46.1	69.1

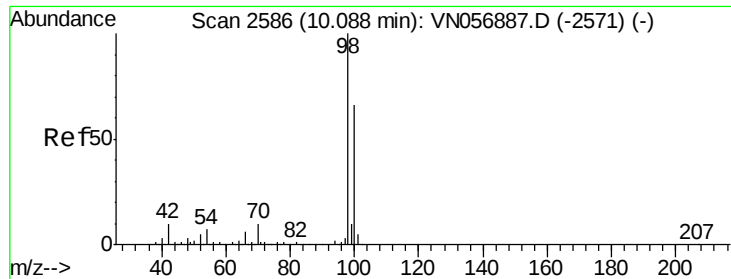


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





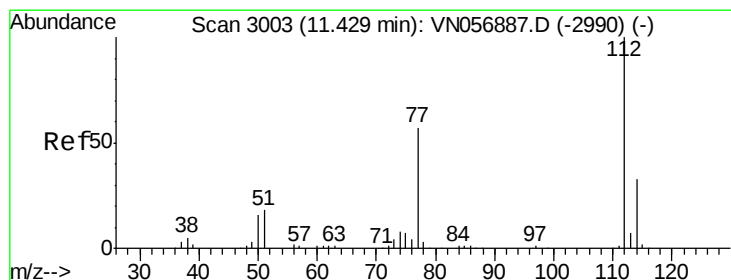
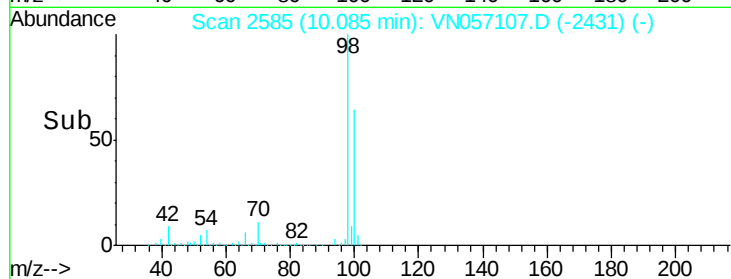
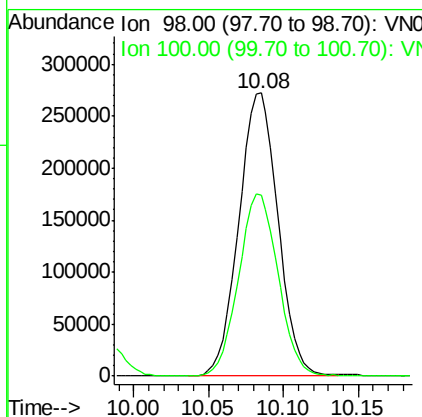
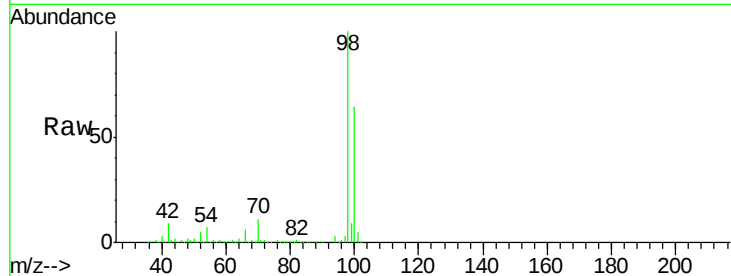
#63
Toluene-d8
Concen: 29.220 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion: 98 Resp: 496586
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.2

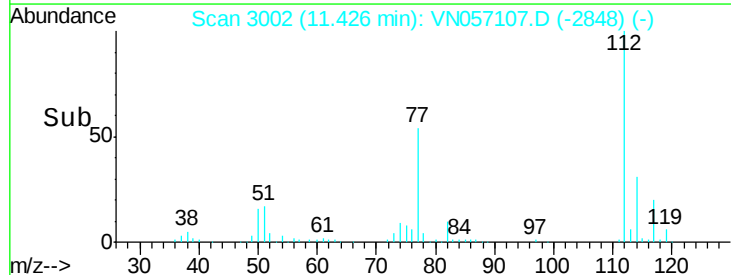
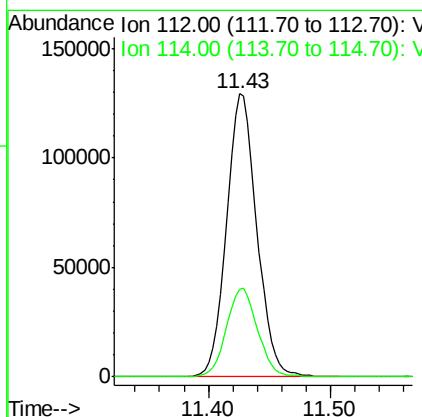
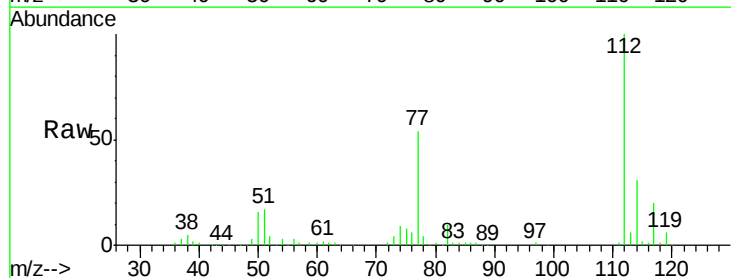
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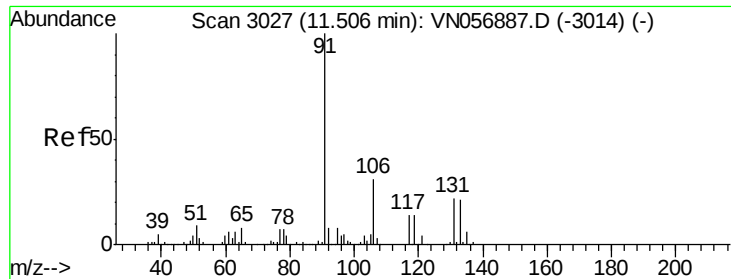
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#64
Chlorobenzene
Concen: 19.067 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion: 112 Resp: 224733
Ion Ratio Lower Upper
112 100
114 30.9 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 18.992 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

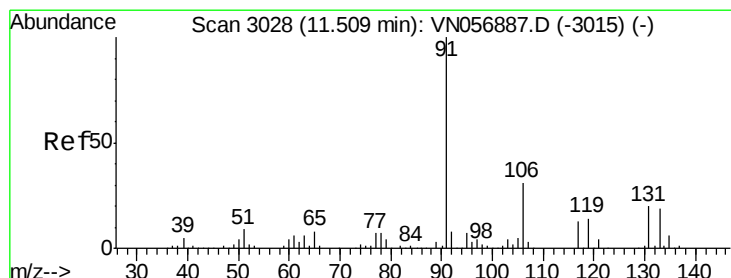
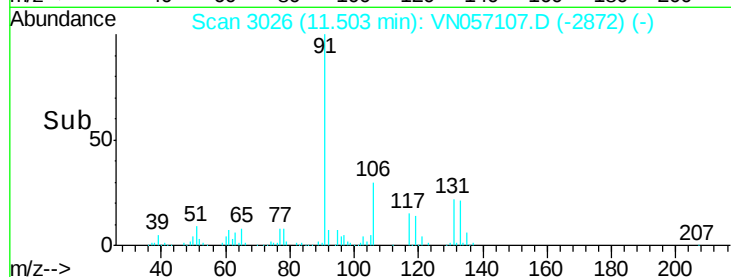
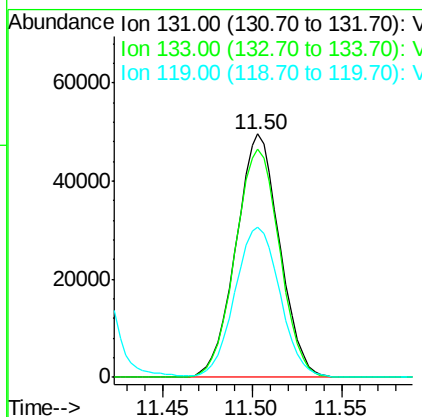
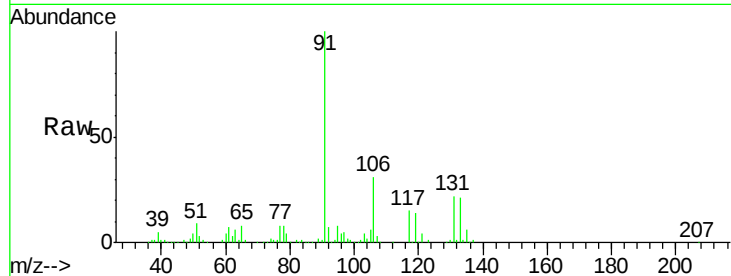
ClientSampleId :

VN0806WBSD02

Tot Ion:	131	Resp:	84785
Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	189.6
119	64.1	0.0	133.6

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#66

Ethyl Benzene

Concen: 18.751 ug/l

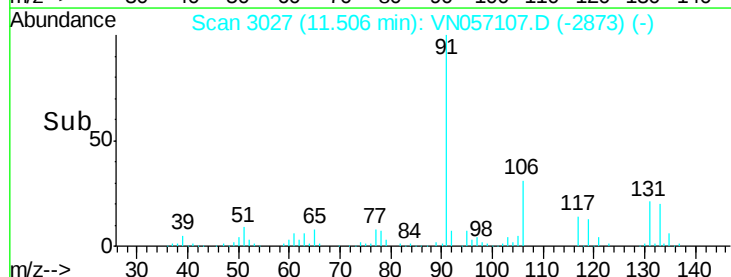
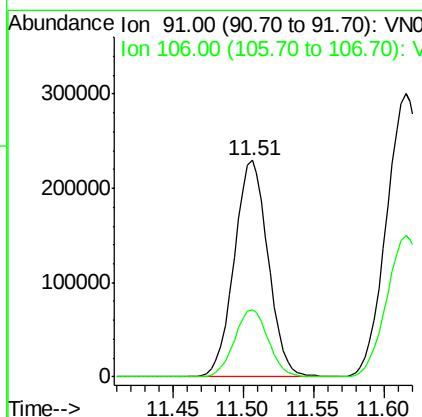
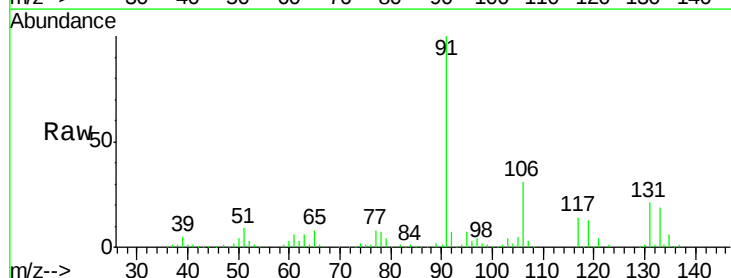
RT: 11.51 min Scan# 3027

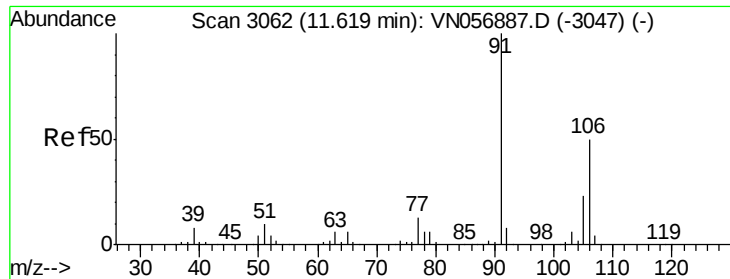
Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	91	Resp:	386639
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.9	37.3





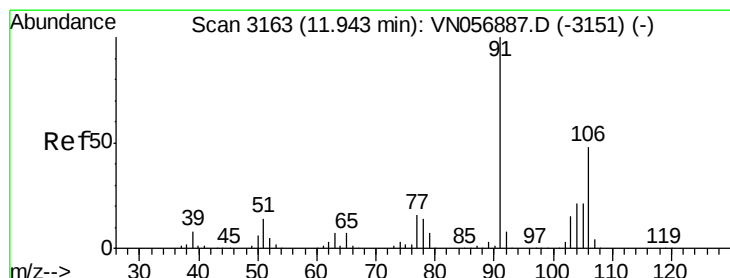
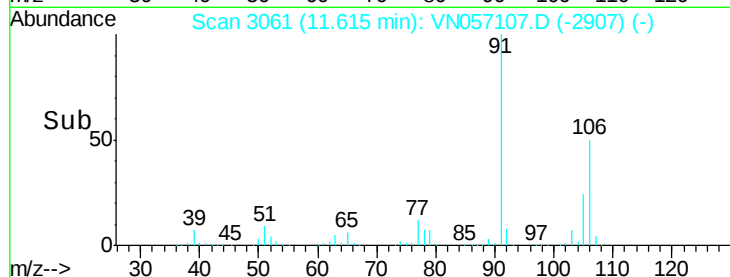
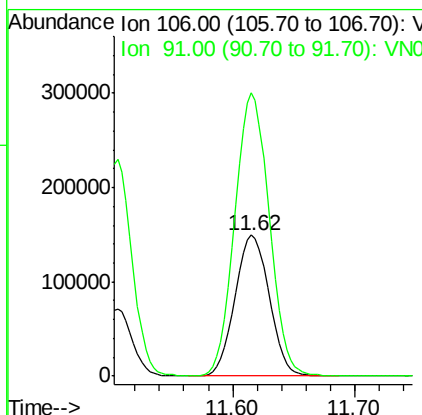
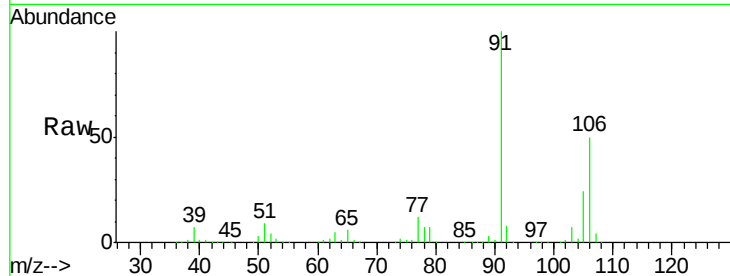
#67
m/p-Xvlenes
Concen: 37.916 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion:106 Resp: 291530
Ion Ratio Lower Upper
106 100
91 201.1 160.6 240.8

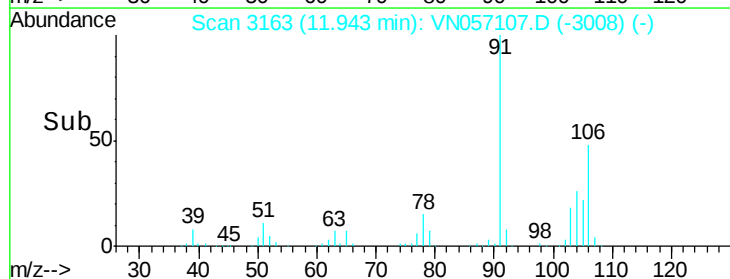
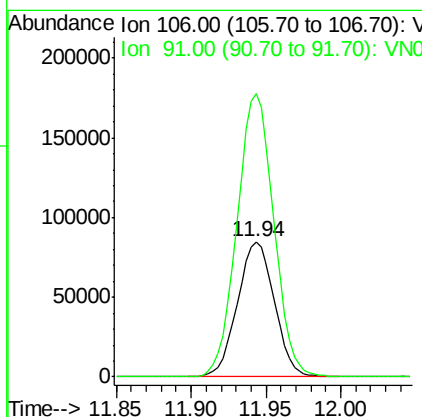
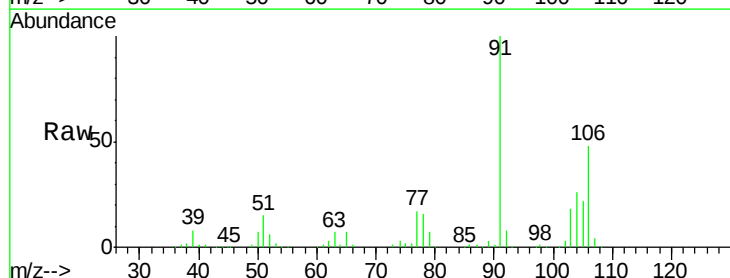
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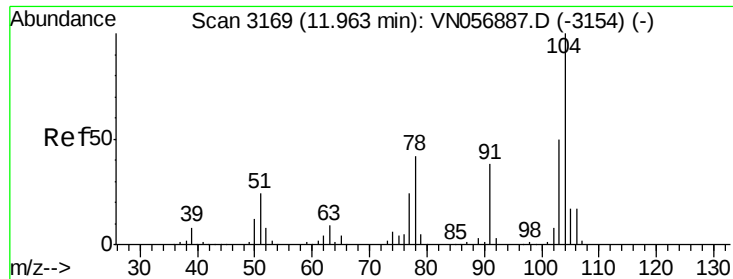
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#68
o-Xylene
Concen: 19.254 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion:106 Resp: 145552
Ion Ratio Lower Upper
106 100
91 208.9 106.2 318.6





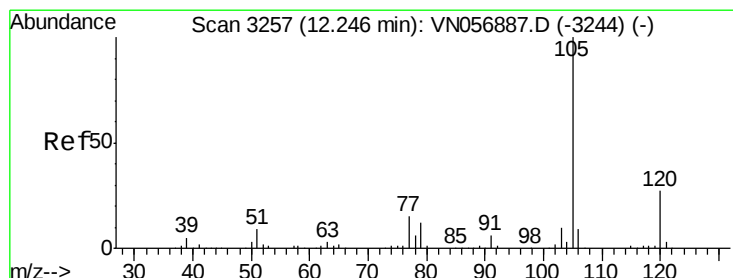
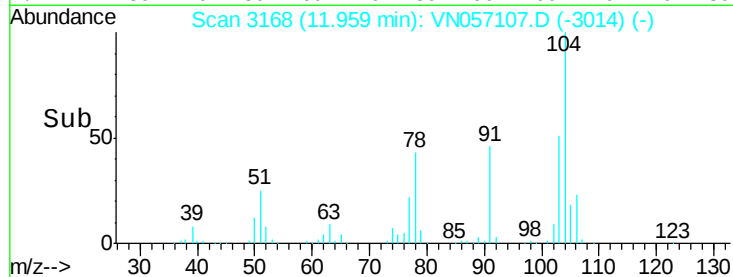
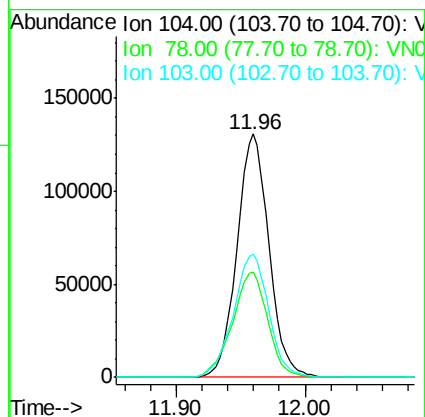
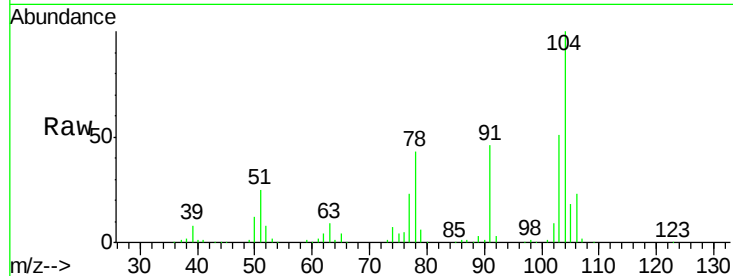
#69
Stvrene
Concen: 18.377 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.9	38.5	57.7
103	56.0	44.7	67.1

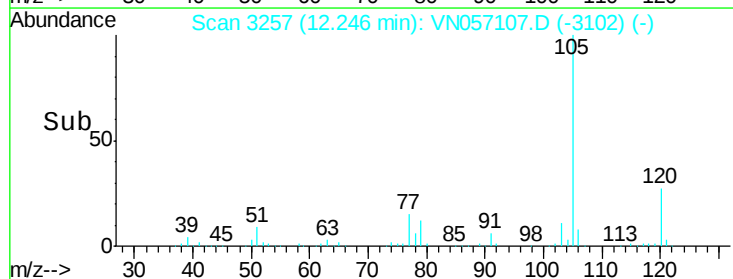
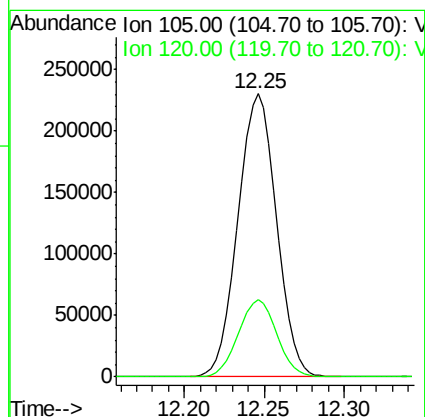
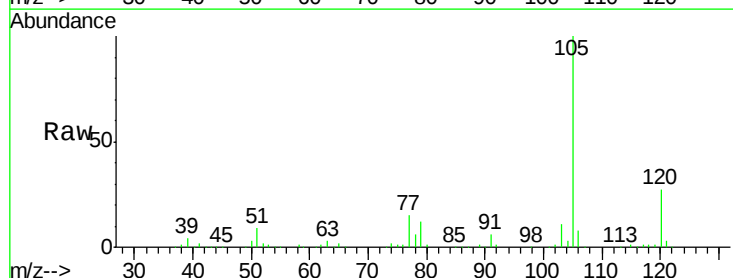
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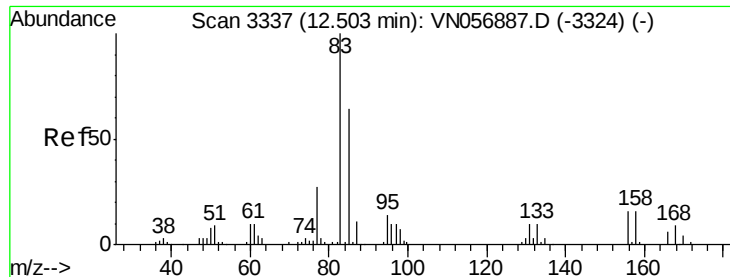
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#70
Isopropylbenzene
Concen: 18.998 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.1	18.7	34.7





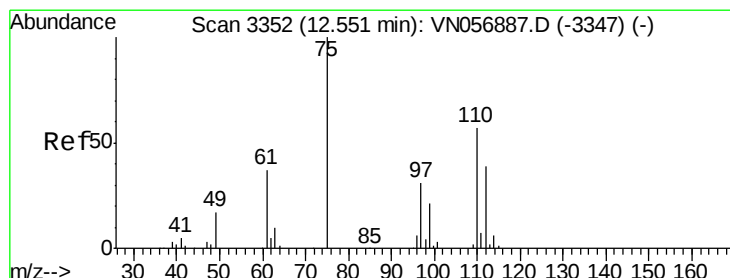
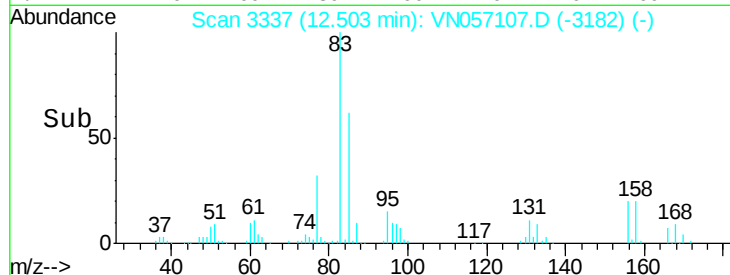
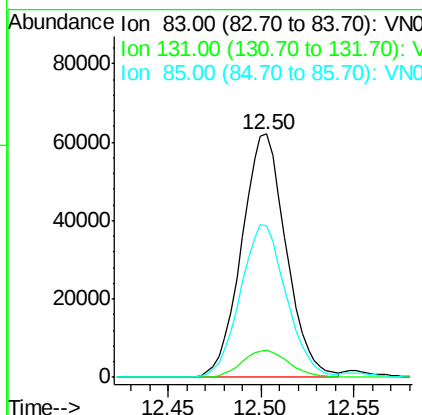
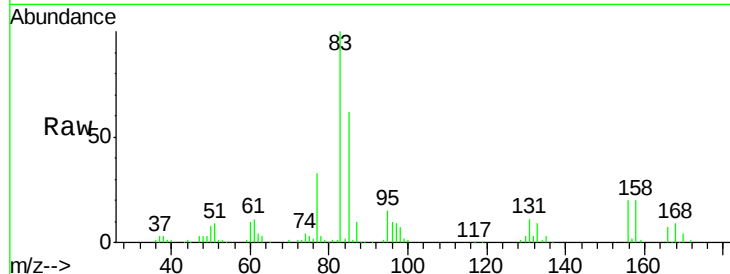
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.588 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.7	5.1	15.2	
85	64.4	31.8	95.4	

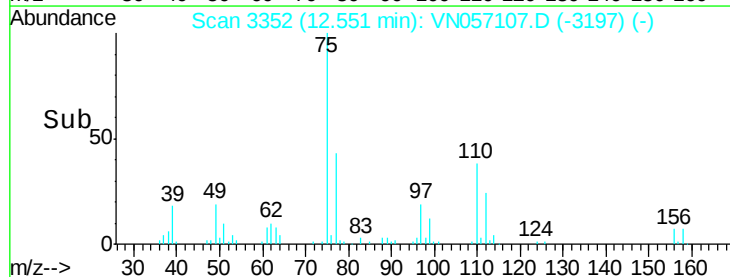
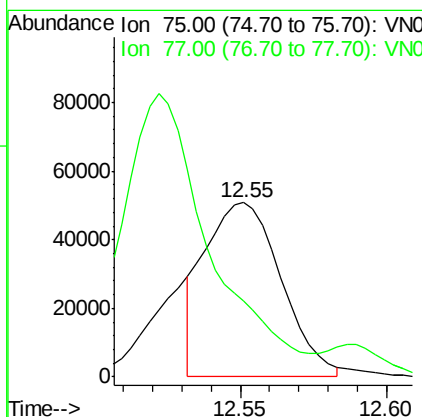
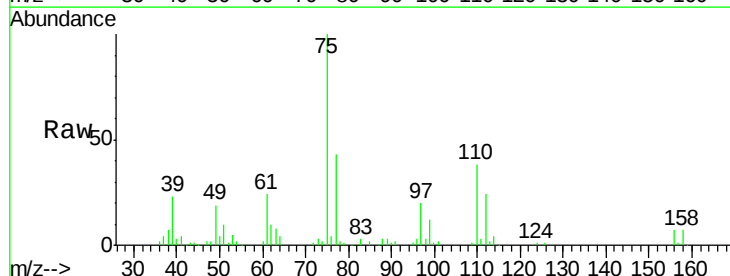
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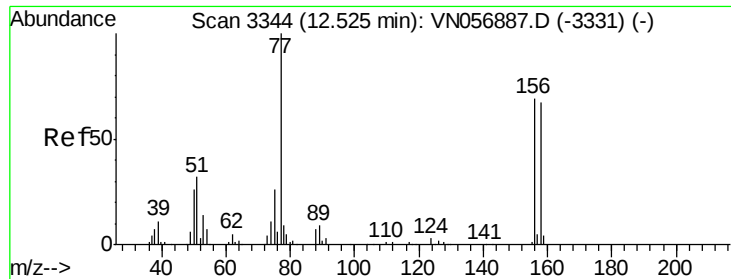
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#72
 1,2,3-Trichloropropane
 Concen: 18.767 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	187.9	0.0	378.6	





#73

Bromobenzene

Concen: 18.839 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

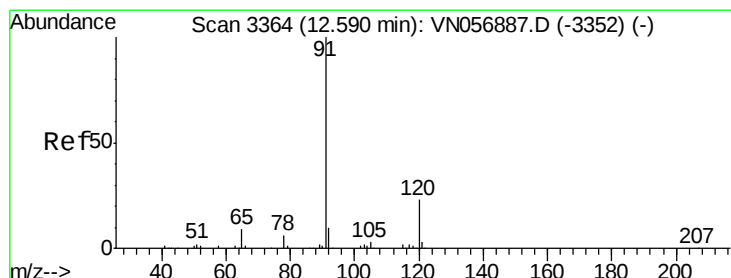
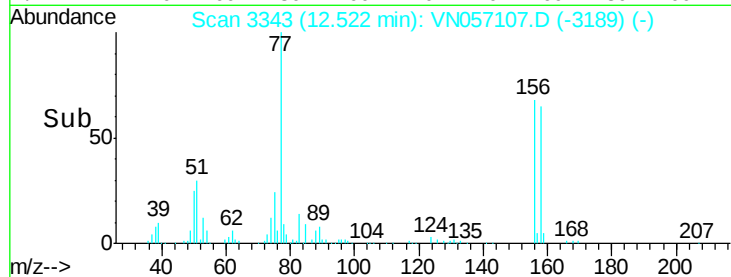
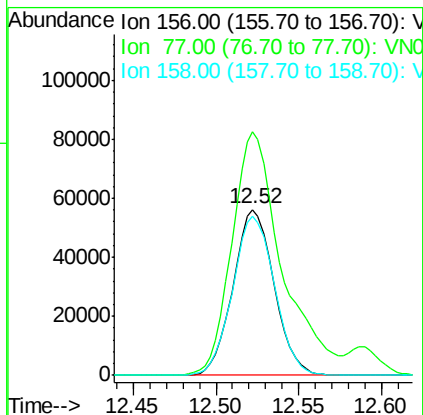
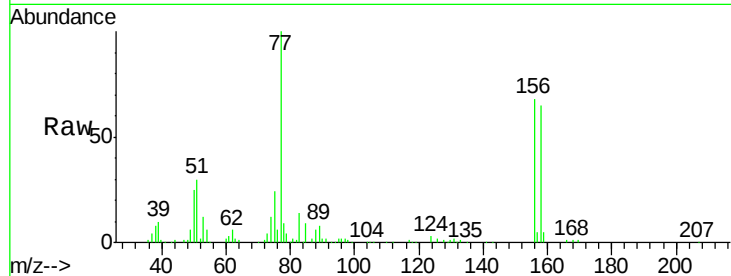
ClientSampleId :

VN0806WBSD02

Tot Ion:	156	Resp:	96764
Ion Ratio	Lower	Upper	
156	100		
77	178.8	0.0	364.6
158	98.4	0.0	196.2

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#74

n-propylbenzene

Concen: 18.198 ug/l

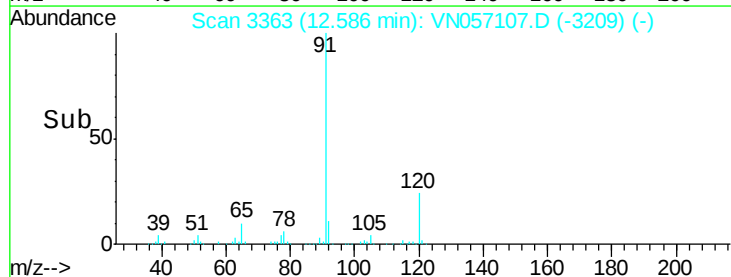
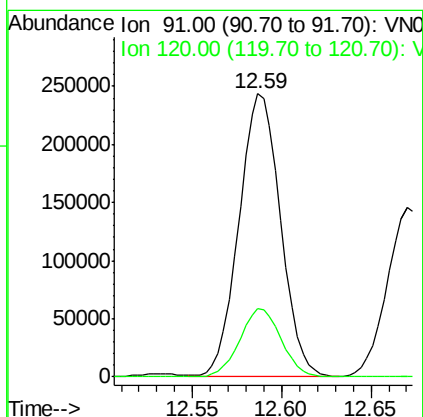
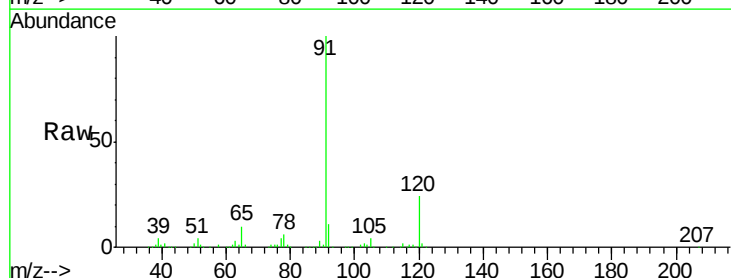
RT: 12.59 min Scan# 3363

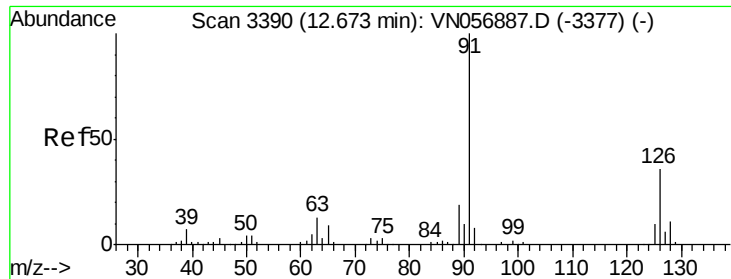
Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	91	Resp:	396068
Ion Ratio	Lower	Upper	
91	100		
120	24.0	0.0	46.4





#75

2-Chlorotoluene

Concen: 18.514 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD02

Tot Ion: 91 Resp: 244295

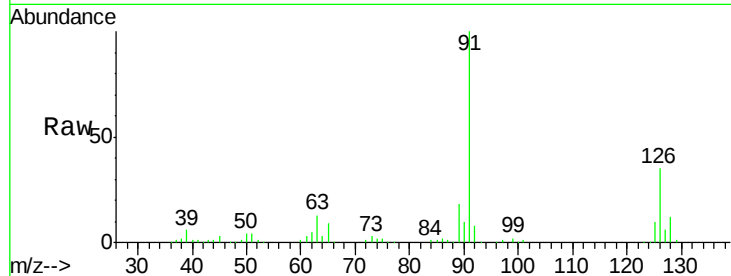
Ion Ratio Lower Upper

91 100

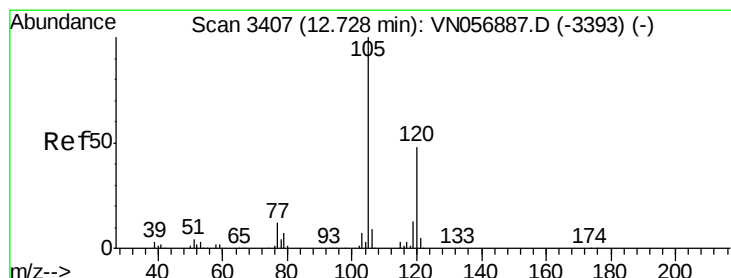
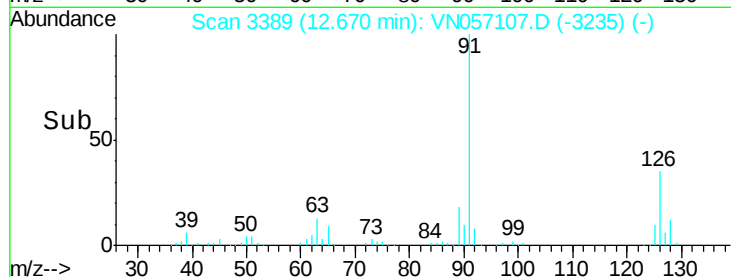
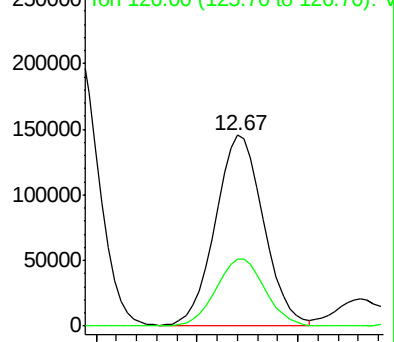
126 35.7 0.0 70.8

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Abundance Ion 91.00 (90.70 to 91.70): VN057107.D (-3235) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.305 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057107.D

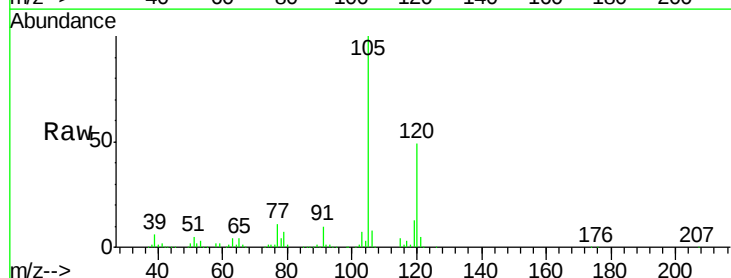
Acq: 6 Aug 2019 16:49

Tgt Ion: 105 Resp: 323499

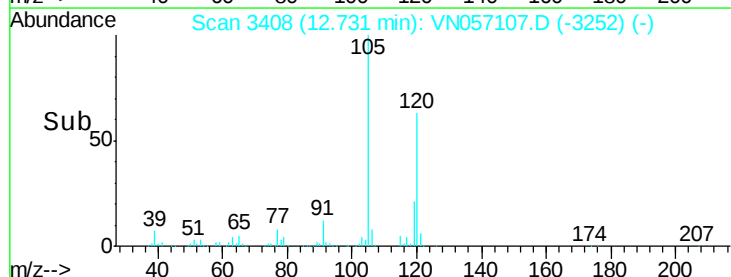
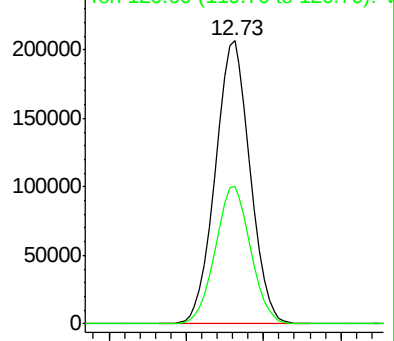
Ion Ratio Lower Upper

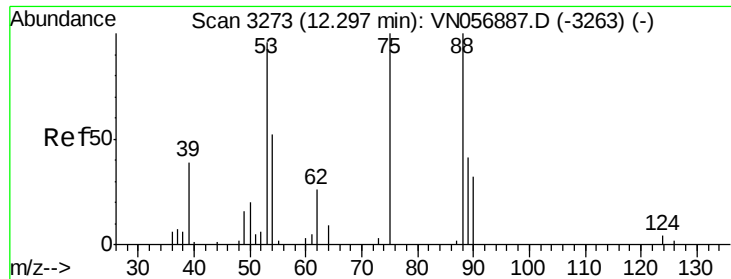
105 100

120 49.2 0.0 97.2



Abundance Ion 105.00 (104.70 to 105.70): VN057107.D (-3252) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.606 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

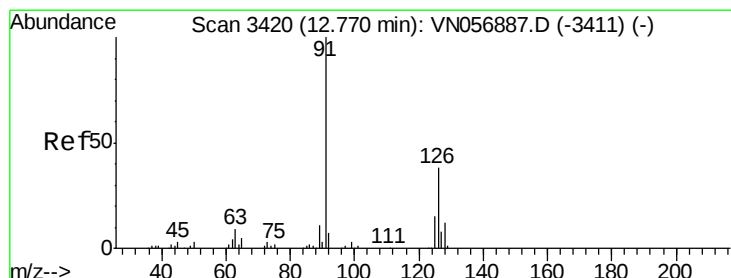
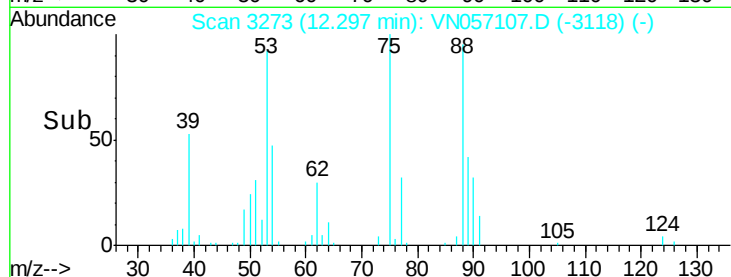
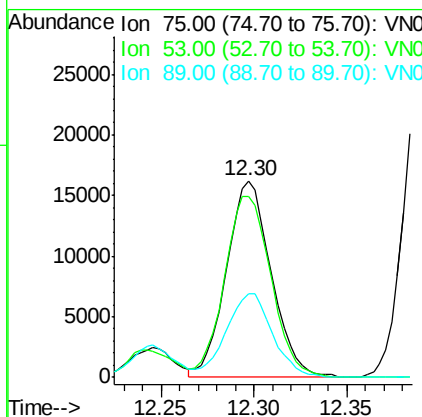
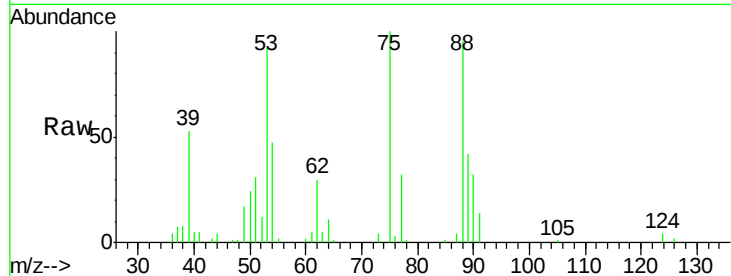
ClientSampleId :

VN0806WBSD02

Tot Ion:	75	Resp:	27115
Ion	Ratio	Lower	Upper
75	100		
53	92.2	48.0	144.0
89	42.4	21.4	64.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 17.403 ug/l

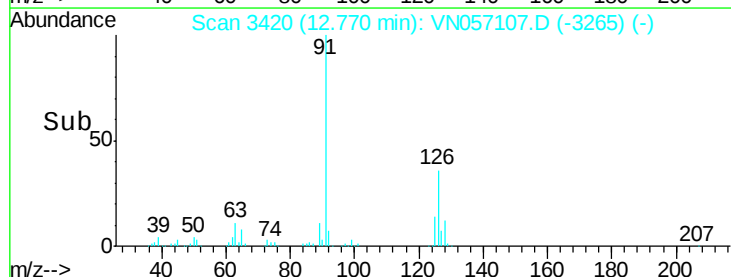
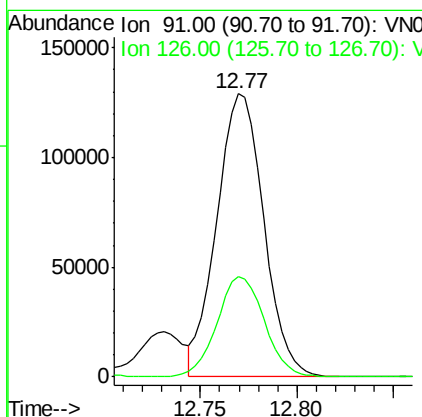
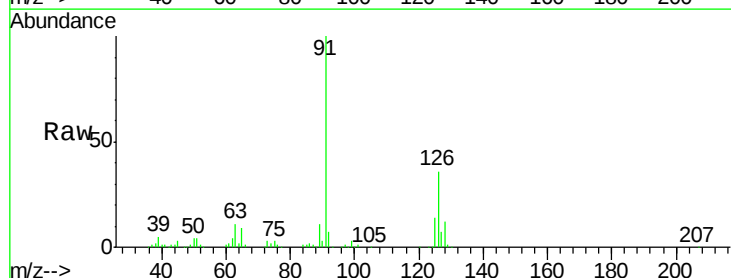
RT: 12.77 min Scan# 3420

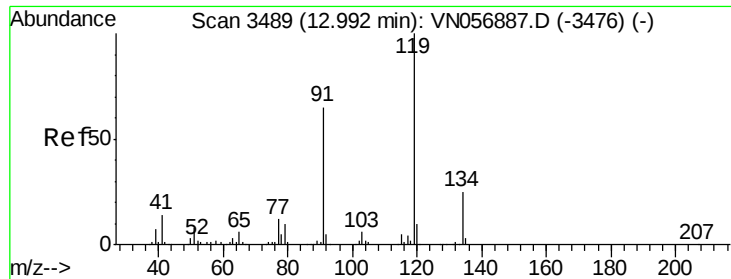
Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	91	Resp:	218282
Ion	Ratio	Lower	Upper
91	100		
126	35.8	0.0	69.6





#79

tert-butylbenzene

Concen: 19.444 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

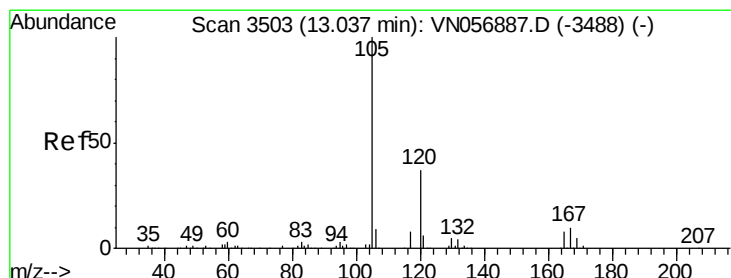
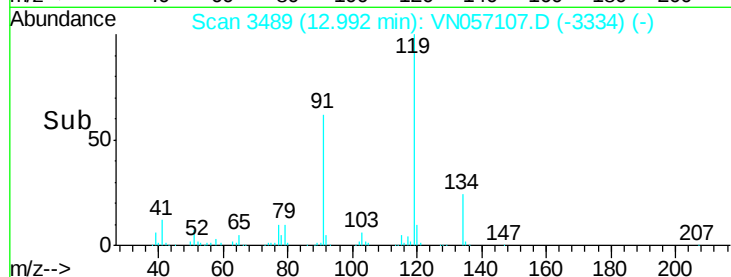
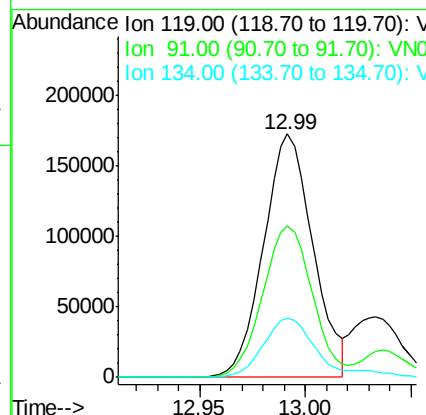
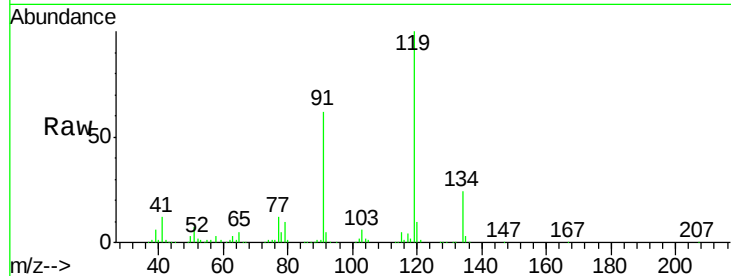
ClientSampleId :

VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281160		
91	62.8	0.0	126.8	
134	24.6	0.0	48.8	

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#80

1,2,4-Trimethylbenzene

Concen: 18.343 ug/l

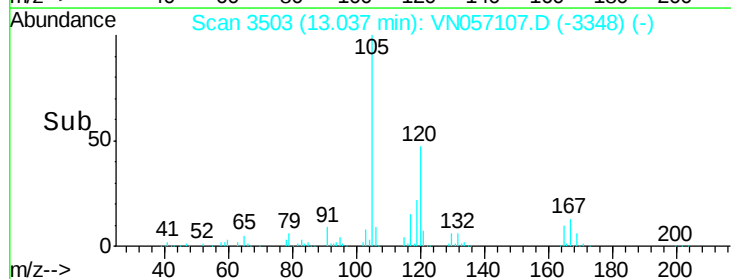
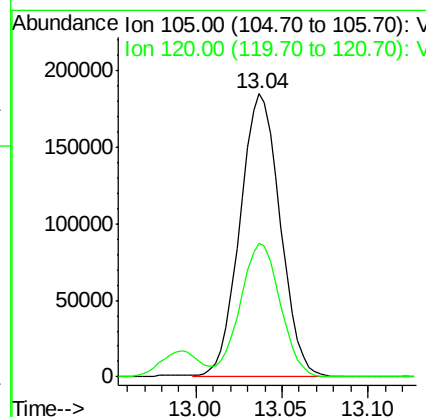
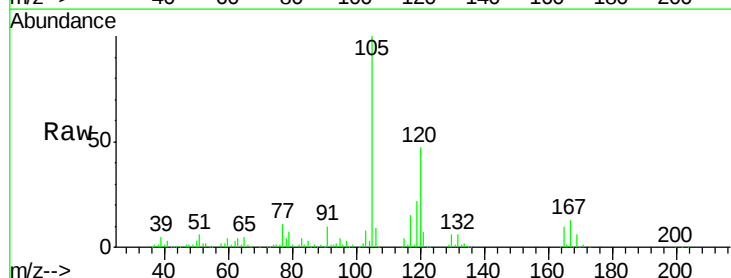
RT: 13.04 min Scan# 3503

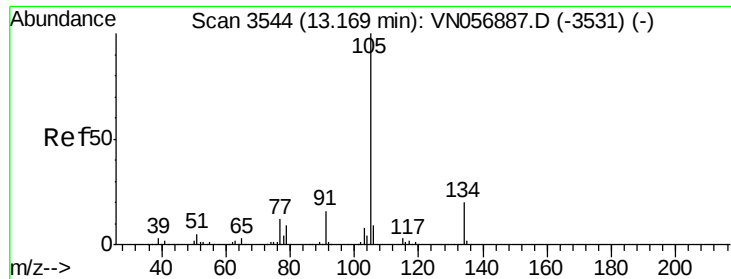
Delta R.T. -0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	299638		
120	47.3	0.0	90.6	





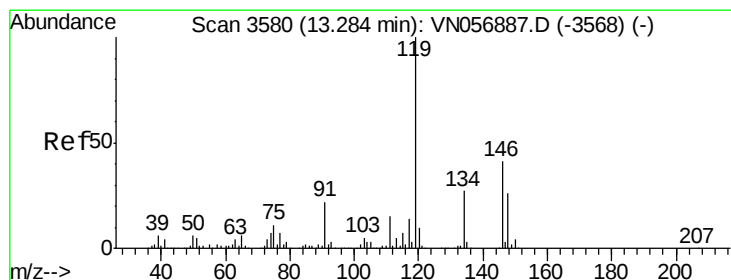
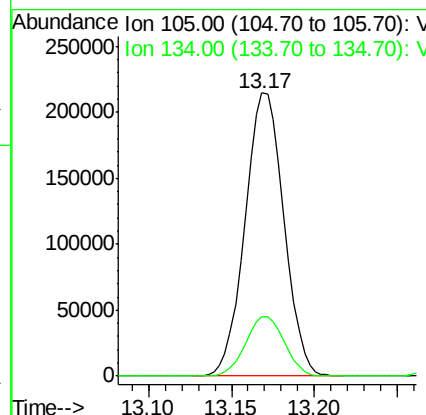
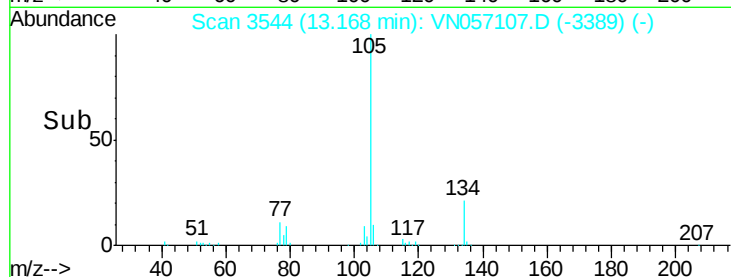
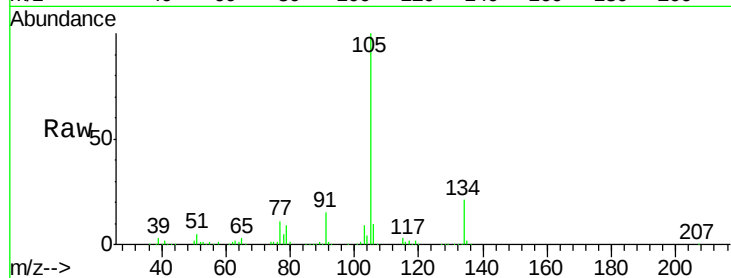
#81
 sec-Butylbenzene
 Concen: 18.530 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	349827		
134	21.0	0.0	41.2	

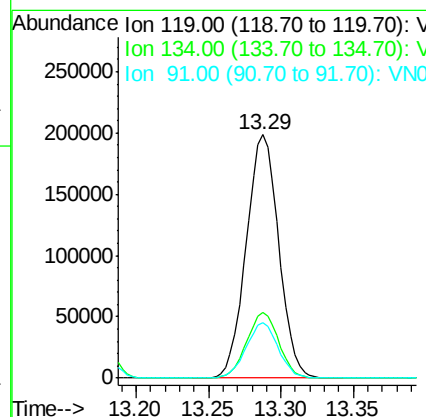
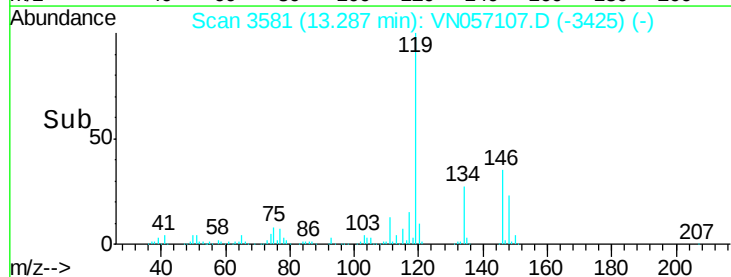
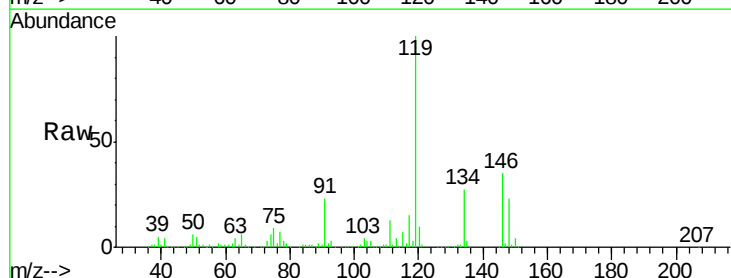
Manual Integrations
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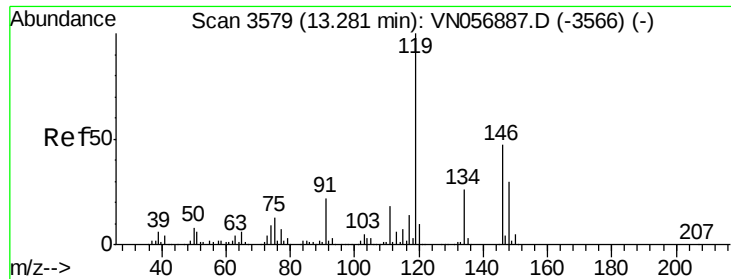
MMdadoda
 8/9/2019 12:51:39 AM



#82
 p-Isopropyltoluene
 Concen: 18.285 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	310019		
134	26.6	0.0	53.2	
91	22.4	0.0	44.0	





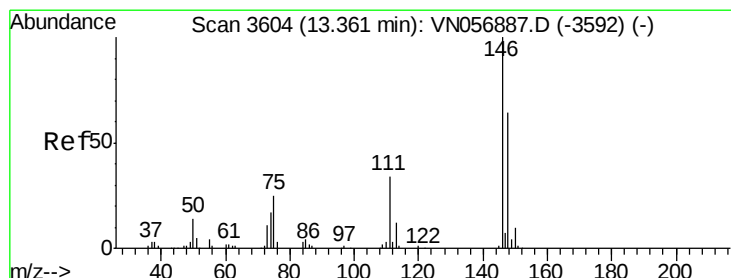
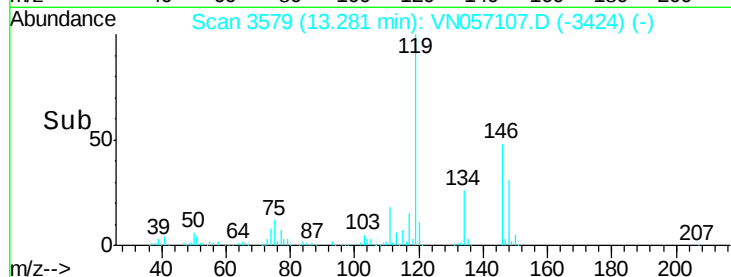
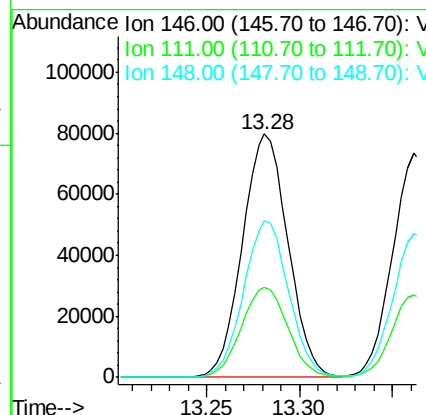
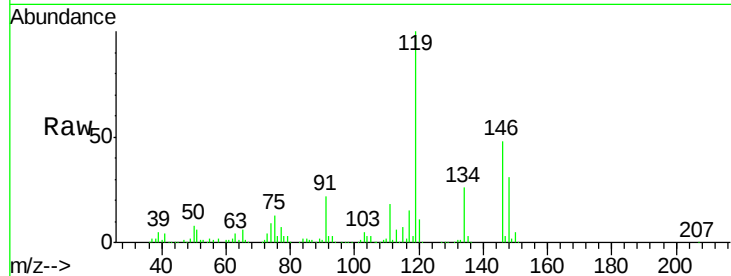
#83
 1,3-Dichlorobenzene
 Concen: 16.769 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0806WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.9	31.7	95.1

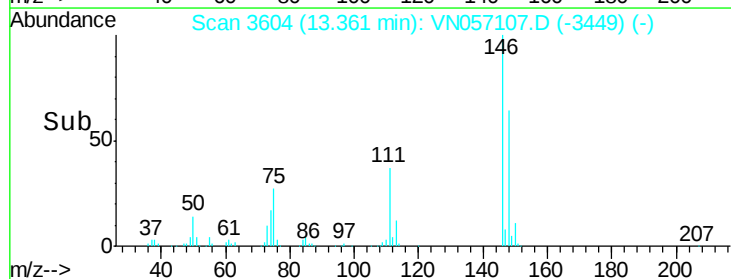
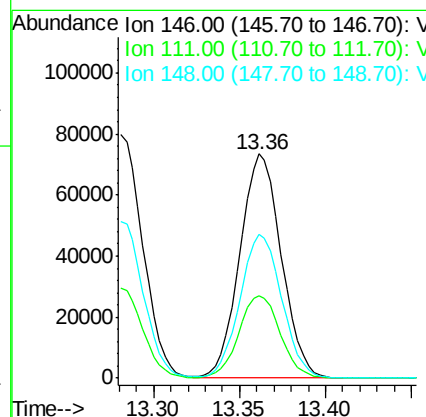
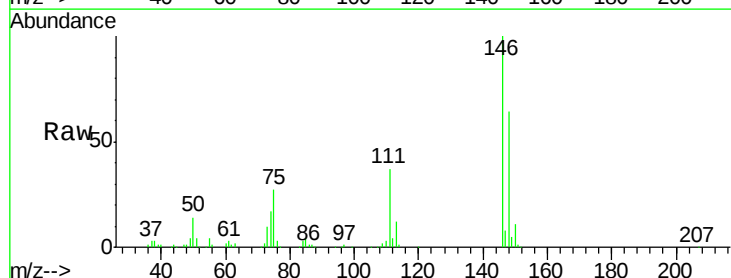
Manual Integrations
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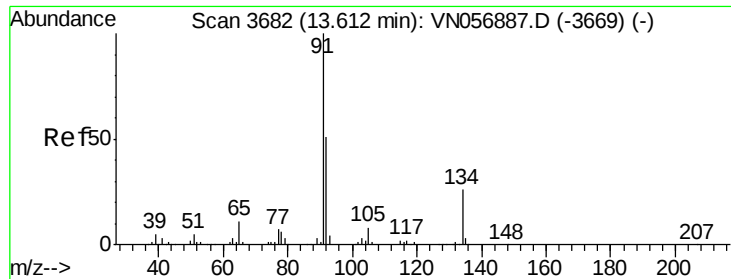
MMdadoda
 8/9/2019 12:51:39 AM



#84
 1,4-Dichlorobenzene
 Concen: 16.170 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.8	53.5
148	64.5	32.6	97.7





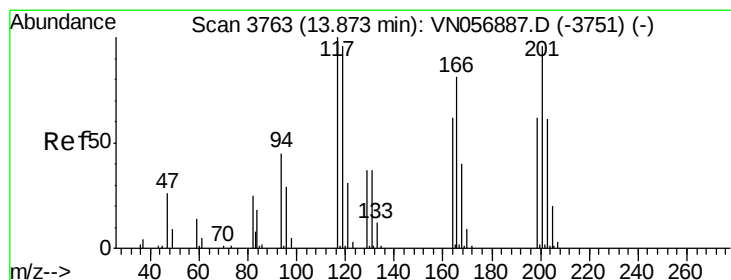
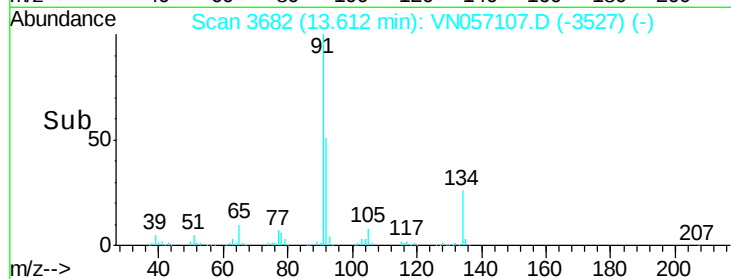
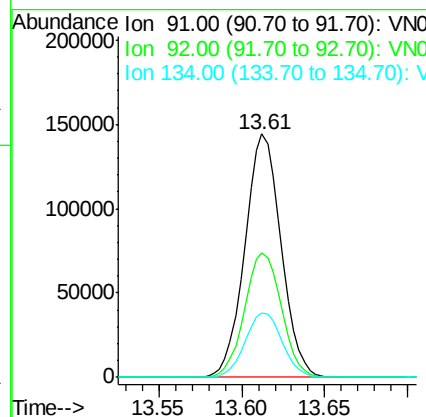
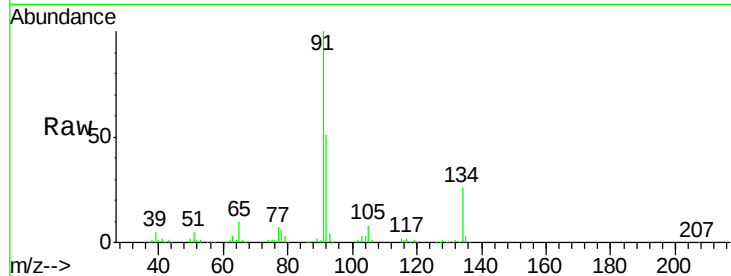
#85
n-Butylbenzene
Concen: 16.479 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	219397		
92	52.1	0.0	101.8	
134	27.0	0.0	52.4	

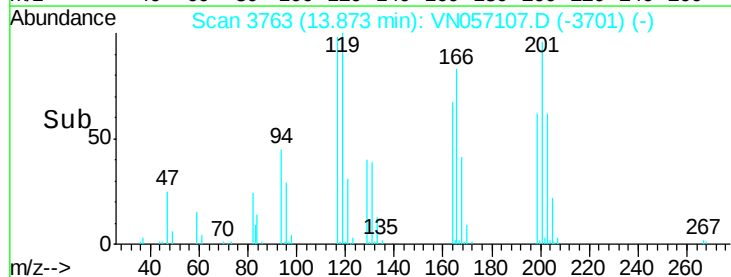
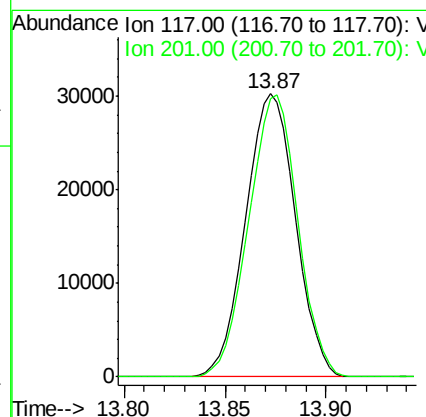
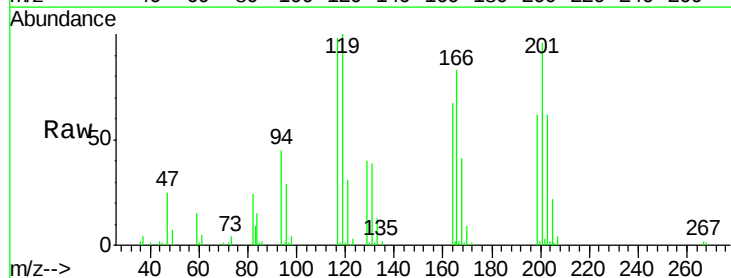
Manual Integrations
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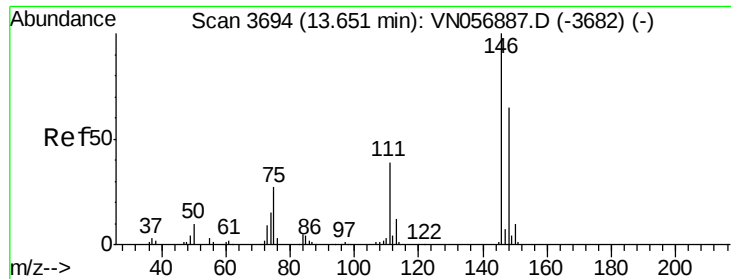
MMdadoda
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#86
Hexachloroethane
Concen: 18.478 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN057107.D
Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52432		
201	97.8	47.8	143.3	





#87

1,2-Dichlorobenzene

Concen: 16.881 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

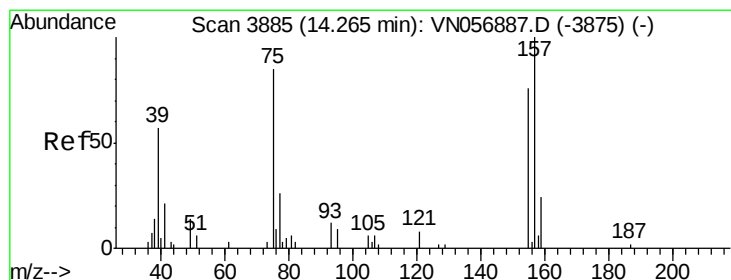
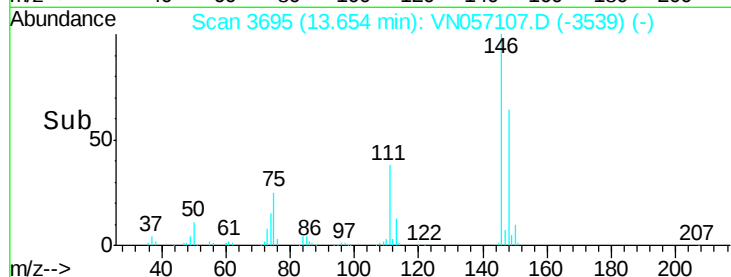
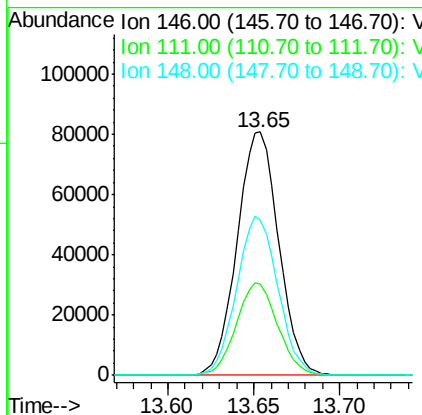
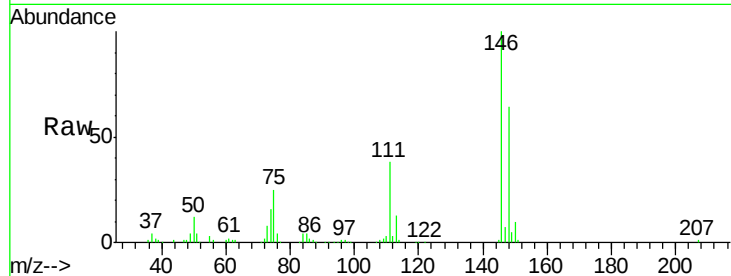
ClientSampleId :

VN0806WBSD02

Tot Ion:	146	Resp:	135600
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.6	58.8
148	64.6	32.5	97.5

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.212 ug/l

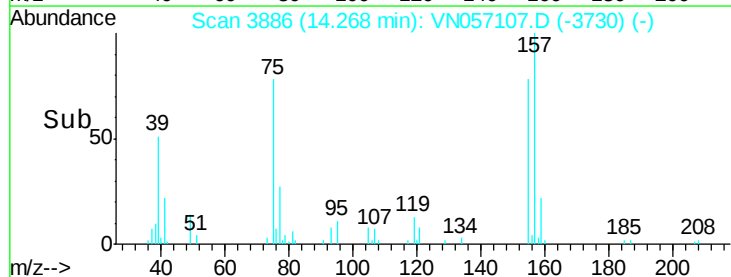
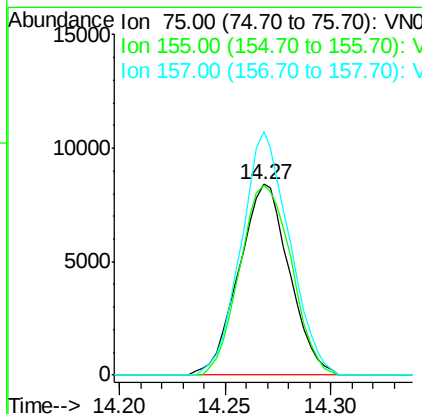
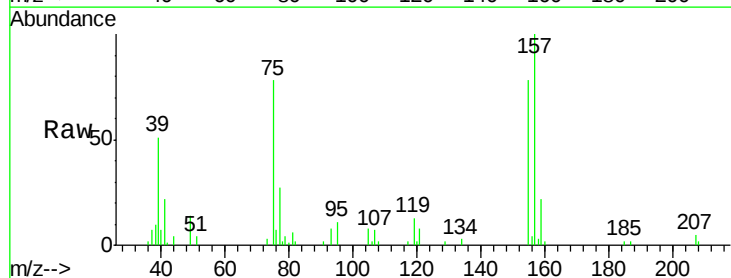
RT: 14.27 min Scan# 3886

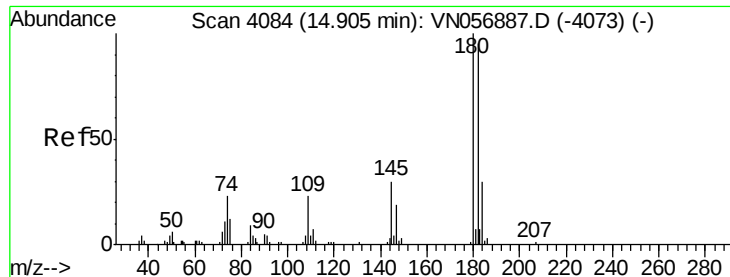
Delta R.T. 0.00 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	75	Resp:	13983
Ion Ratio	Lower	Upper	
75	100		
155	101.8	73.4	110.2
157	122.2	95.0	142.6





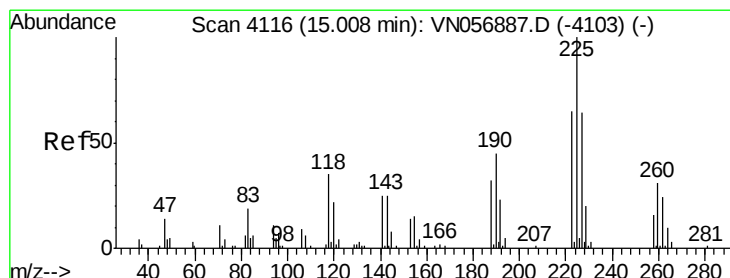
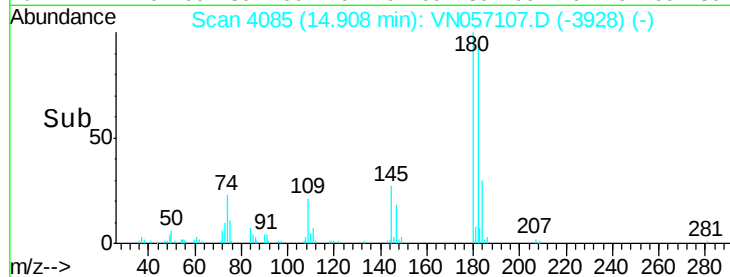
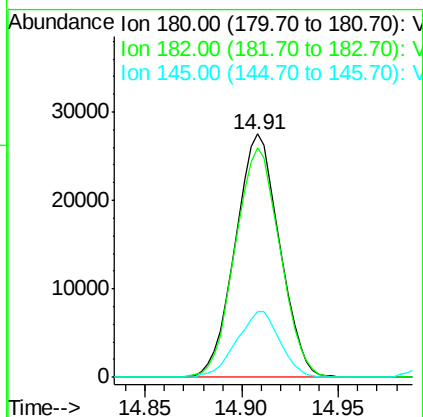
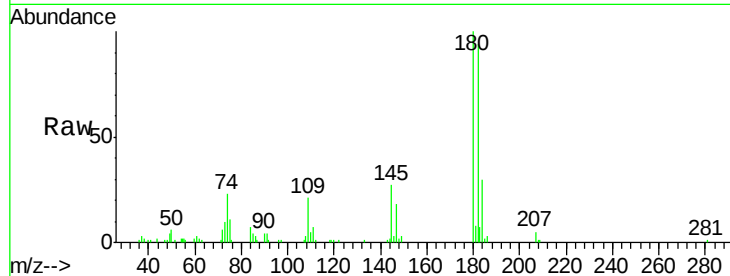
#89
 1,2,4-Trichlorobenzene
 Concen: 15.950 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43906		
182	95.4		77.0	115.4
145	26.5		23.5	35.3

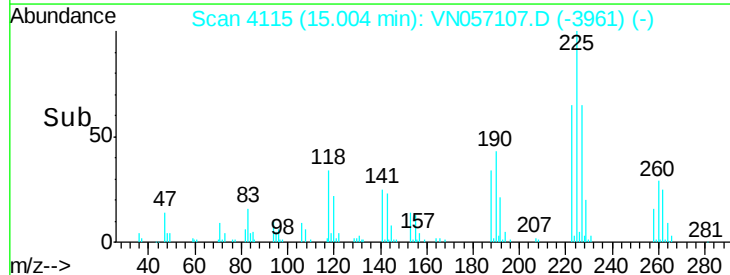
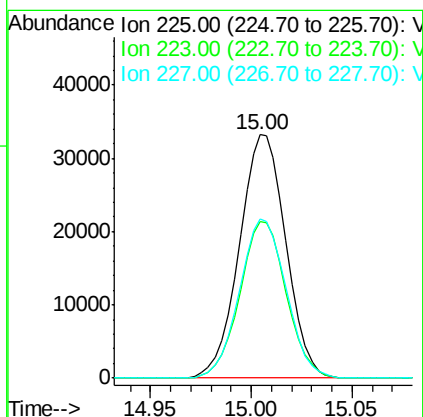
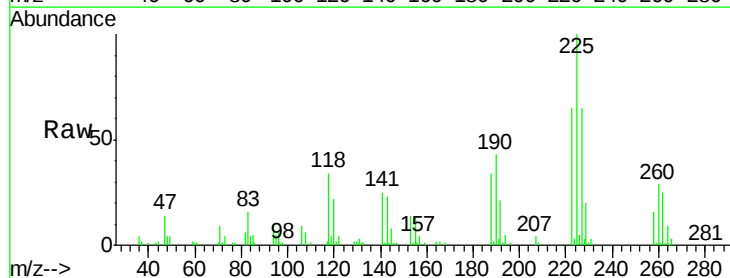
Manual Integrations
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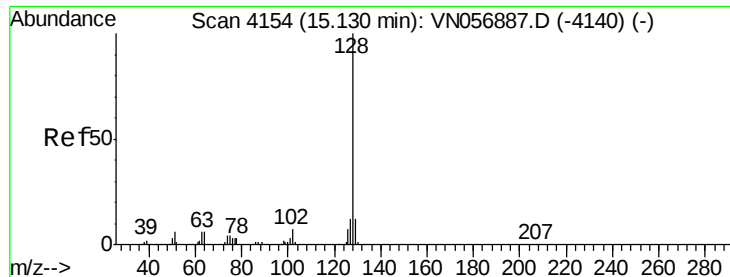
MMDadoda
 8/9/2019 12:51:39 AM



#90
 Hexachlorobutadiene
 Concen: 18.164 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN057107.D
 Acq: 6 Aug 2019 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	53632		
223	64.2		0.0	130.0
227	65.4		0.0	127.2





#91

Naphthalene

Concen: 15.498 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. -0.01 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Instrument :

MSVOA_N

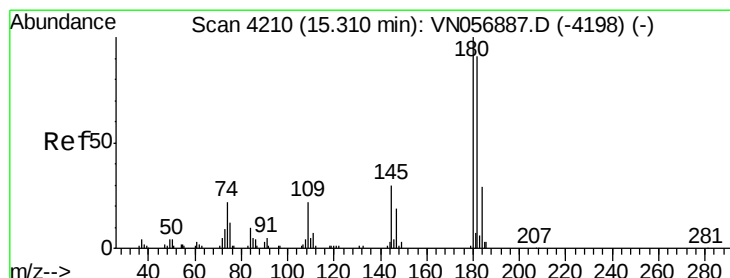
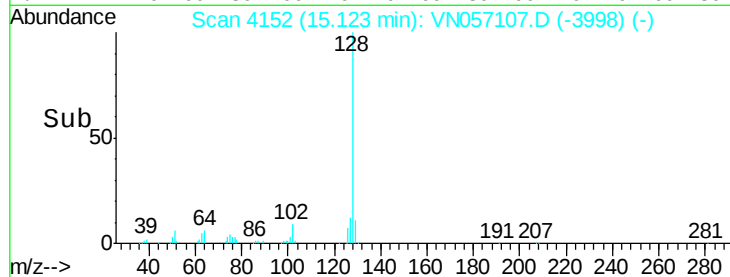
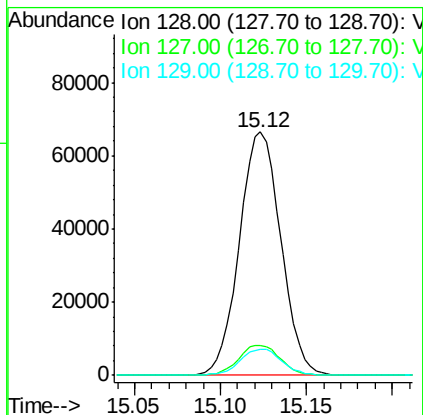
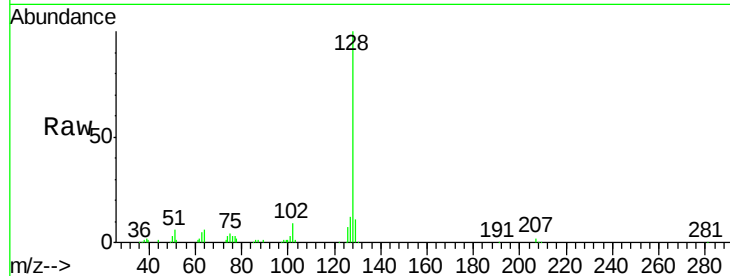
ClientSampleId :

VN0806WBSD02

Tot Ion:	128	Resp:	111005
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMdadoda
8/9/2019 12:51:39 AM



#92

1,2,3-Trichlorobenzene

Concen: 12.543 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.02 min

Lab File: VN057107.D

Acq: 6 Aug 2019 16:49

Tgt Ion:	180	Resp:	53263
Ion Ratio	Lower	Upper	
180	100		
182	96.7	0.0	188.0
145	28.4	0.0	61.0

