

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057109.D
 Acq On : 6 Aug 2019 17:35
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMdadoda
 8/9/2019 12:51:40 AM

Quant Time: Aug 07 04:38:23 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	74110	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	397740	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	344193	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	145669	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.40	95	146928	28.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.93%
63) Toluene-d8	10.09	98	482896	29.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	95824	21.626	ug/l 96
3) Chloromethane	2.05	50	104492	19.326	ug/l 99
4) Vinyl Chloride	2.18	62	100369	19.253	ug/l 98
5) Bromomethane	2.55	94	58043	18.134	ug/l 98
6) Chloroethane	2.69	64	54182	18.738	ug/l 99
7) Trichlorofluoromethane	3.00	101	141304	22.258	ug/l 100
8) Diethyl Ether	3.40	74	51932	21.954	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84272	21.138	ug/l 97
10) 1,1-Dichloroethene	3.73	96	81982	20.721	ug/l 99
11) Methyl Iodide	3.94	142	83274	14.227	ug/l 99
12) Methyl Acetate	4.31	43	83865	17.320	ug/l 95
13) Acrolein	3.59	56	61930	113.011	ug/l 98
14) Acrylonitrile	4.97	53	179913	96.345	ug/l 97
15) Acetone	3.81	58	49265	102.045	ug/l 93
16) Carbon Disulfide	4.04	76	210911	19.770	ug/l 99
17) Allyl chloride	4.31	41	114534	17.299	ug/l 96
18) Methylene Chloride	4.54	84	95237	20.681	ug/l 98
19) trans-1,2-Dichloroethene	5.03	96	86414	20.638	ug/l 95
20) Diisopropyl ether	5.94	45	265434	19.746	ug/l 97
21) 1,1-Dichloroethane	5.83	63	158622	20.305	ug/l 98
22) cis-1,2-Dichloroethene	6.82	96	102569	21.136	ug/l 97
23) tert-Butyl Alcohol	4.77	59	54422	87.330	ug/l # 100
24) Methyl tert-Butyl Ether	5.03	73	246443	20.603	ug/l 98
25) Chloroform	7.36	83	161005	21.127	ug/l 100
26) Cyclohexane	7.64	56	141294	19.689	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	117161	20.757	ug/l 98
30) 2-Butanone	6.83	43	219818	96.936	ug/l 98
31) 2,2-Dichloropropane	6.81	77	118989	22.717	ug/l 98
32) 1,1,1-Trichloroethane	7.56	97	134223	21.643	ug/l 99
33) Carbon Tetrachloride	7.76	117	116668	21.554	ug/l 99
34) Benzene	8.03	78	364689	20.506	ug/l 97
35) Methacrylonitrile	7.16	41	41001	18.105	ug/l 97
36) 1,2-Dichloroethane	8.12	62	115743	20.935	ug/l 98
37) Trichloroethene	8.83	130	100800	21.141	ug/l 96
38) Methylcyclohexane	9.07	83	149492	20.821	ug/l 97
39) 1,2-Dichloropropane	9.11	63	94237	19.851	ug/l 96
40) Dibromomethane	9.20	93	61493	21.116	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	116775	20.868	ug/l	99
42) Vinyl Acetate	5.88	43	1001103	99.132	ug/l	98
43) Ethyl Acetate	6.92	43	92279	19.850	ug/l	94
44) Isopropyl Acetate	8.16	43	162472	20.967	ug/l #	85
45) 1,4-Dioxane	9.19	88	27572	373.757	ug/l	96
46) Methyl methacrylate	9.19	41	74742	19.334	ug/l	93
47) n-amyl Acetate	12.07	43	115077	18.551	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	120544	20.701	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	138835	20.459	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	87217	20.859	ug/l	99
51) Ethyl methacrylate	10.42	69	121897	20.156	ug/l	98
52) 1,3-Dichloropropane	10.70	76	145039	20.554	ug/l	99
53) Dibromochloromethane	10.90	129	91212	20.987	ug/l	99
54) 1,2-Dibromoethane	11.00	107	90204	21.147	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	182208	69.566	ug/l	97
56) Bromoform	12.12	173	62250	20.701	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	454671	98.437	ug/l	97
59) 2-Hexanone	10.75	43	310043	98.507	ug/l	98
61) Tetrachloroethene	10.63	164	98993	20.522	ug/l	99
62) Toluene	10.15	91	393755	21.034	ug/l	100
64) Chlorobenzene	11.43	112	237564	21.068	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.50	131	90892	21.282	ug/l	98
66) Ethyl Benzene	11.51	91	411159	20.843	ug/l	97
67) m/p-Xylenes	11.62	106	310234	42.175	ug/l	100
68) o-Xylene	11.94	106	152122	21.034	ug/l	100
69) Styrene	11.96	104	239060	20.398	ug/l	99
70) Isopropylbenzene	12.25	105	407355	21.391	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	113905	21.356	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	98959m	21.087	ug/l	
73) Bromobenzene	12.52	156	102160	20.790	ug/l	98
74) n-propylbenzene	12.59	91	420780	20.209	ug/l	99
75) 2-Chlorotoluene	12.67	91	262187	20.770	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	337270	21.038	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	28411	19.282	ug/l	98
78) 4-Chlorotoluene	12.77	91	241428	20.120	ug/l	99
79) tert-butylbenzene	12.99	119	302782	21.887	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	320583	20.513	ug/l	97
81) sec-Butylbenzene	13.17	105	376362	20.838	ug/l	99
82) p-Isopropyltoluene	13.29	119	337735	20.821	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	147074	19.010	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	136914	18.716	ug/l	98
85) n-Butylbenzene	13.61	91	233607	18.341	ug/l	98
86) Hexachloroethane	13.87	117	56269	20.728	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	153029	19.913	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.26	75	14897	18.054	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	48229	17.127	ug/l	98
90) Hexachlorobutadiene	15.00	225	62616	22.167	ug/l	99
91) Naphthalene	15.12	128	116677	16.269	ug/l	99
92) 1,2,3-Trichlorobenzene	15.29	180	56190	13.831	ug/l	97

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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

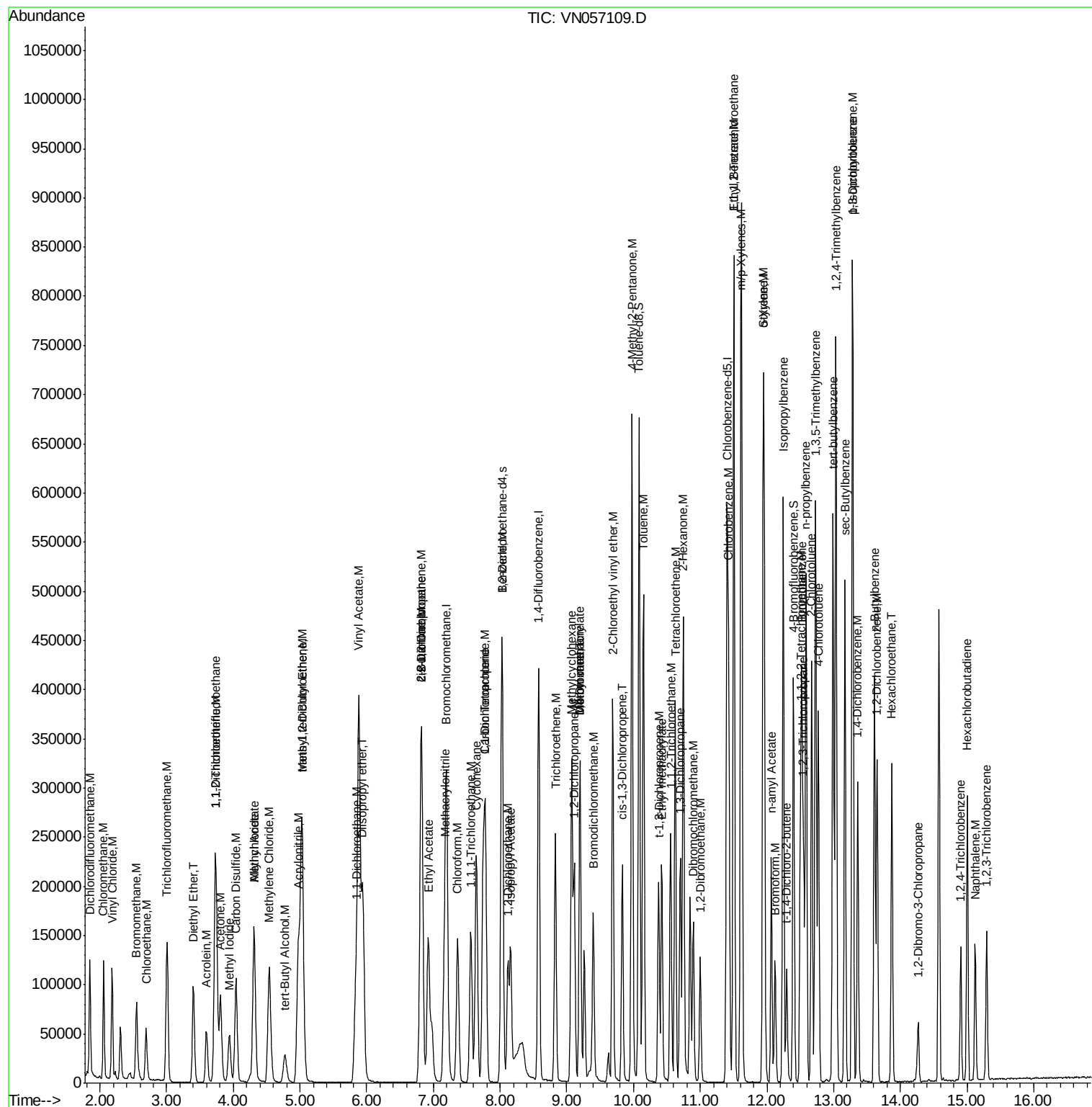
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Data File : VN057109.D
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Misc : 5.00mL/MSVOA N/WATER
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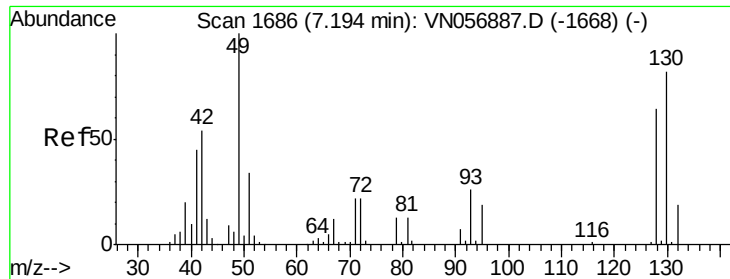
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020EC

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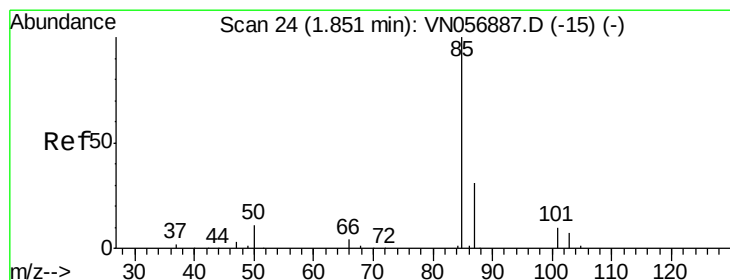
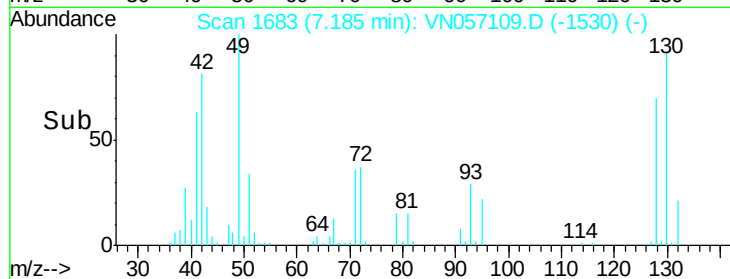
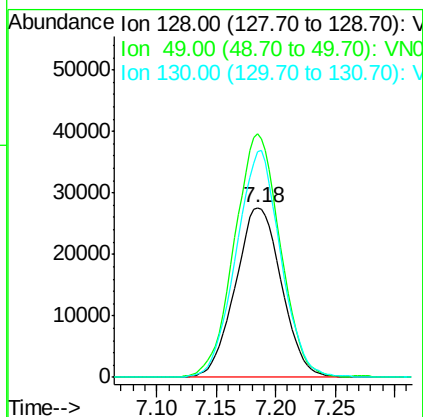
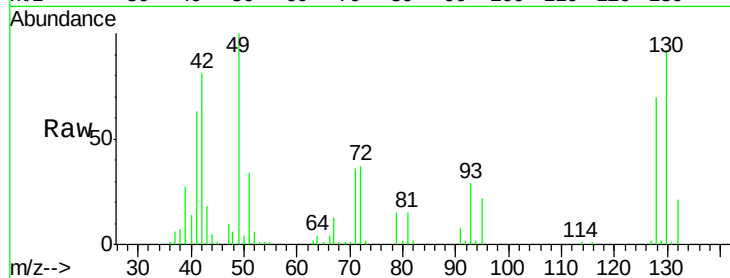
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	142.3	0.0	385.8
130	129.6	0.0	322.5

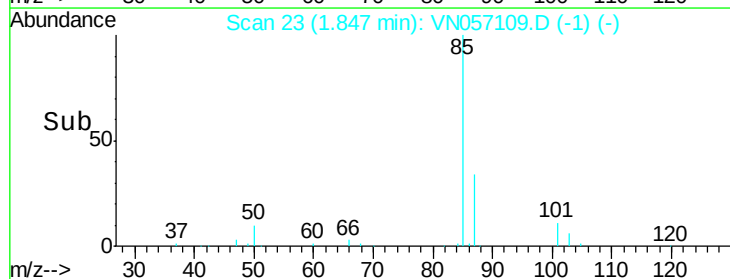
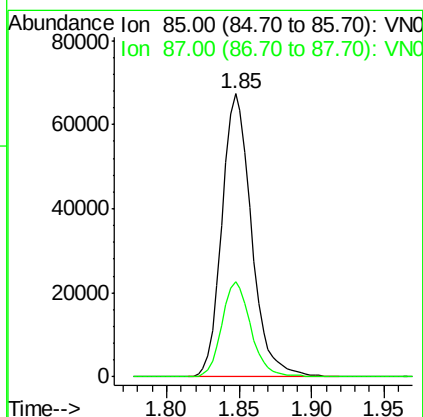
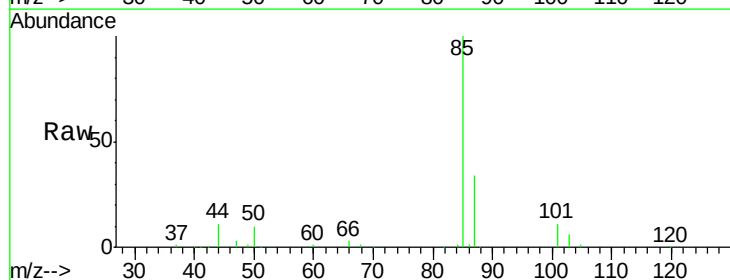
Manual Integrations
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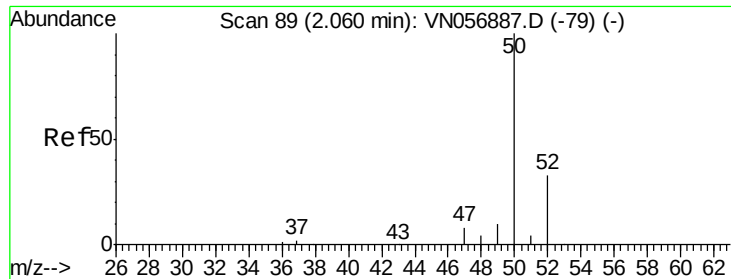
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#2
Dichlorodifluoromethane
Concen: 21.626 ug/l
RT: 1.85 min Scan# 23
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	15.6	46.8





#3

Chloromethane

Concen: 19.326 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 104492

Ion Ratio Lower Upper

50 100

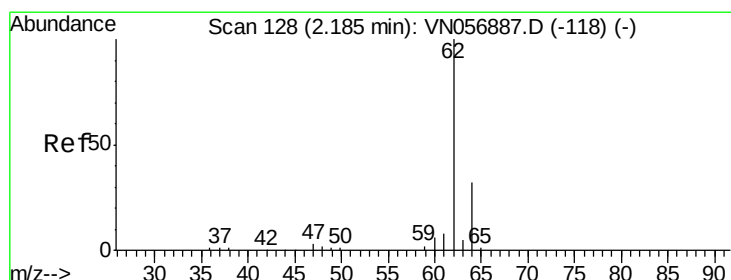
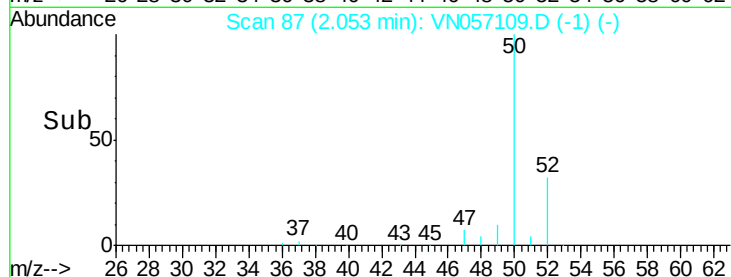
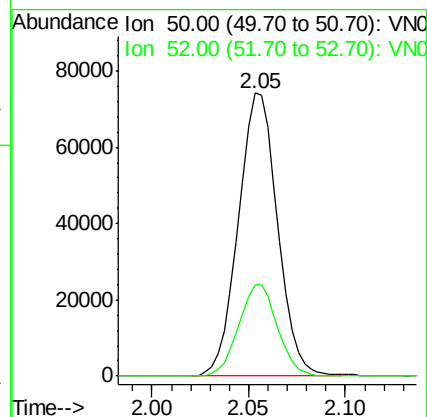
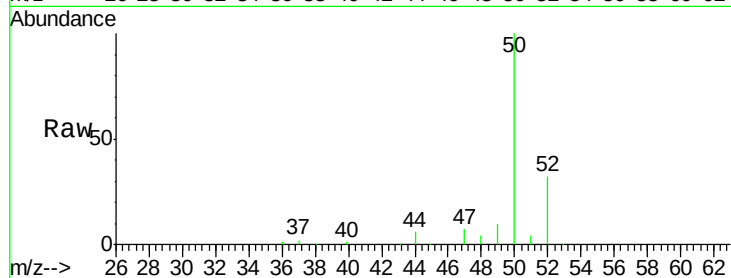
52 32.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.253 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057109.D

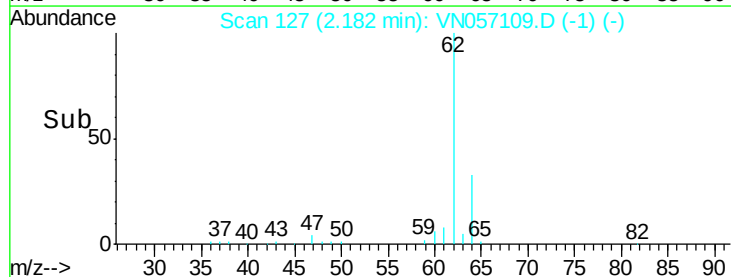
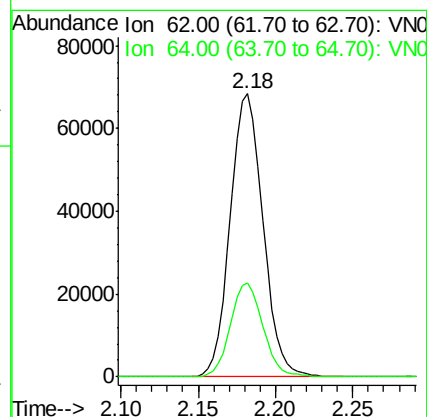
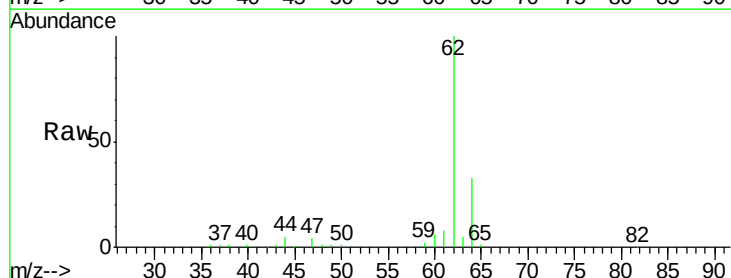
Acq: 6 Aug 2019 17:35

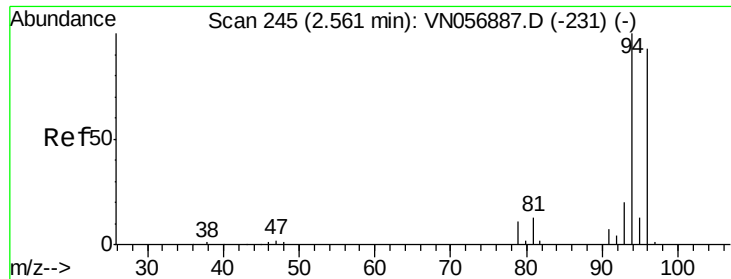
Tgt Ion: 62 Resp: 100369

Ion Ratio Lower Upper

62 100

64 33.1 25.4 38.0





#5

Bromomethane

Concen: 18.134 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDC0020EC

Tot Ion: 94 Resp: 58043

Ion Ratio Lower Upper

94 100

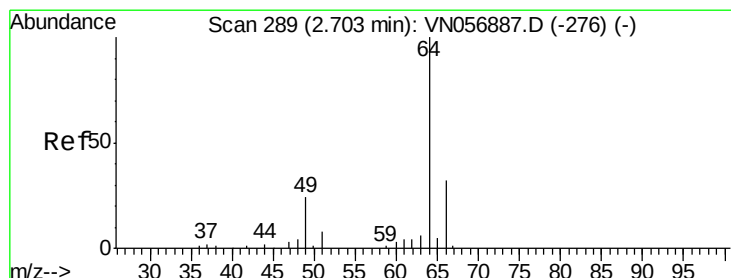
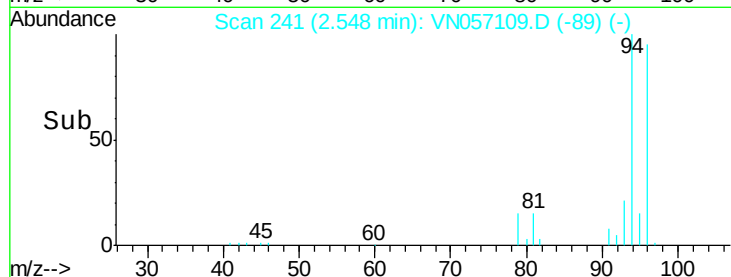
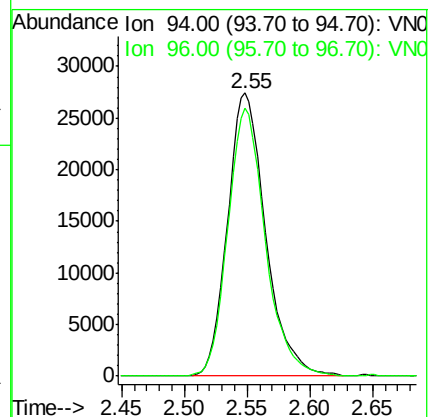
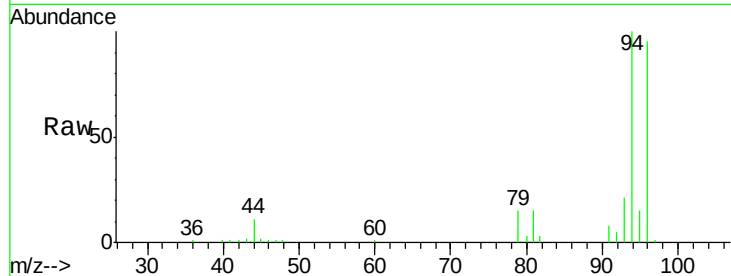
96 94.9 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 18.738 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN057109.D

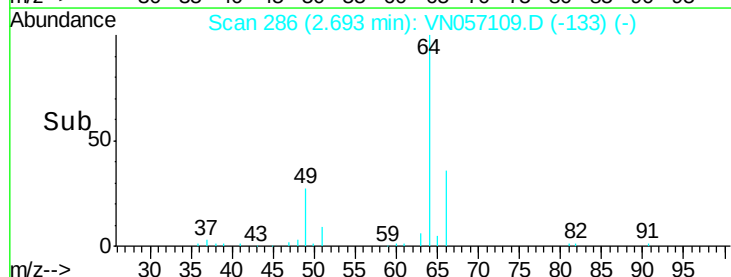
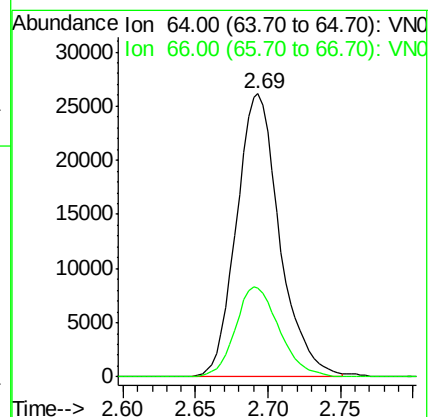
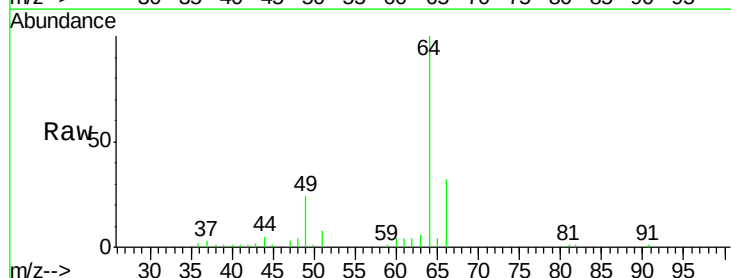
Acq: 6 Aug 2019 17:35

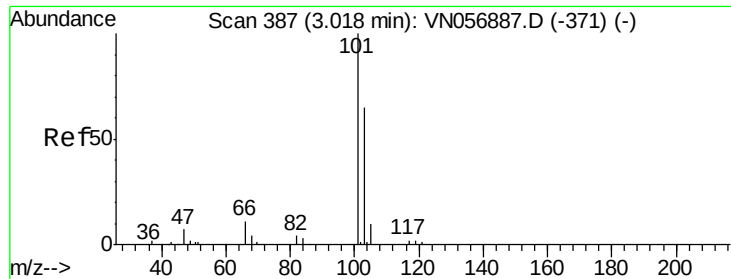
Tgt Ion: 64 Resp: 54182

Ion Ratio Lower Upper

64 100

66 31.6 25.8 38.8





#7

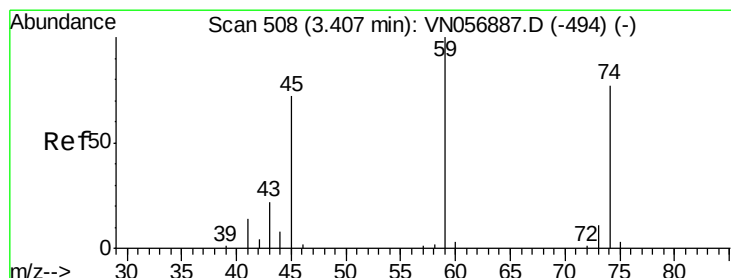
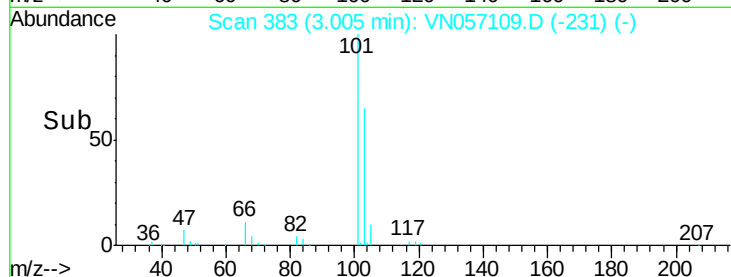
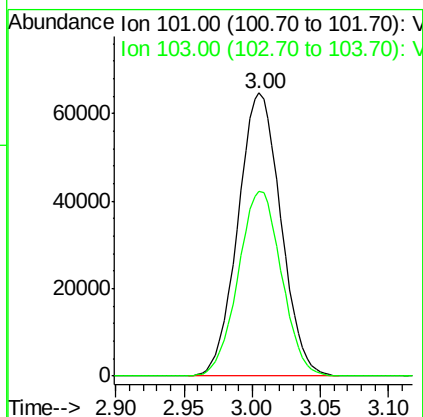
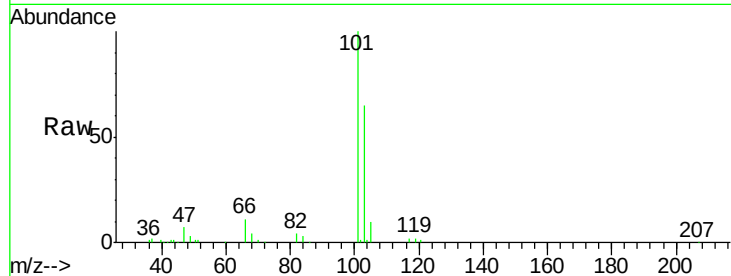
Trichlorofluoromethane
Concen: 22.258 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.2	78.4

Manual Integrations
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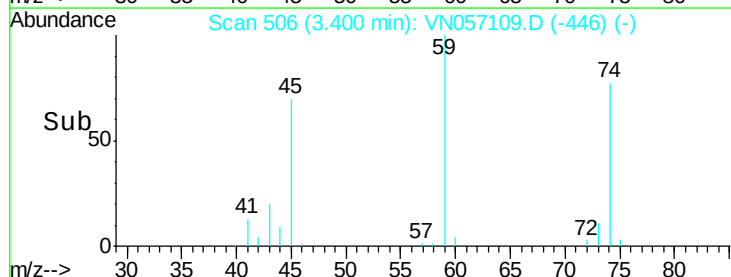
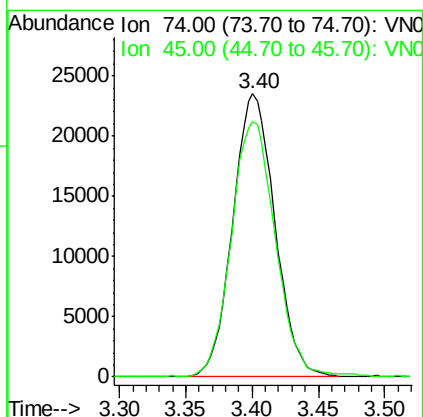
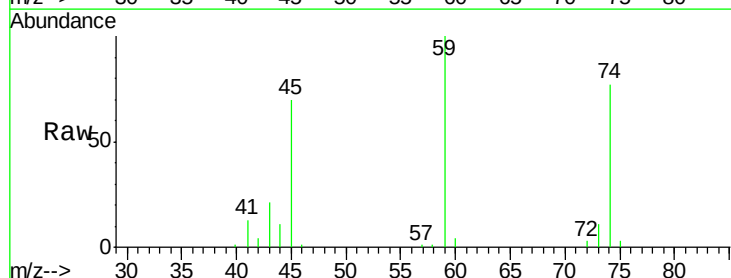
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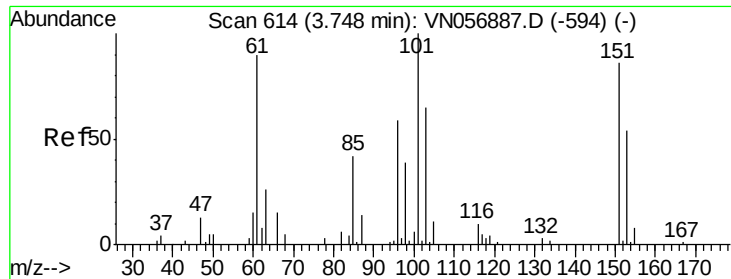


#8

Diethyl Ether
Concen: 21.954 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	19.5	175.7





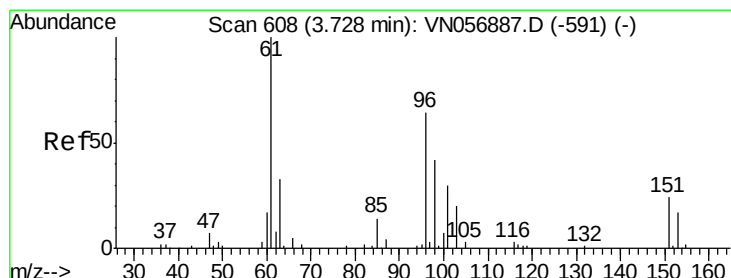
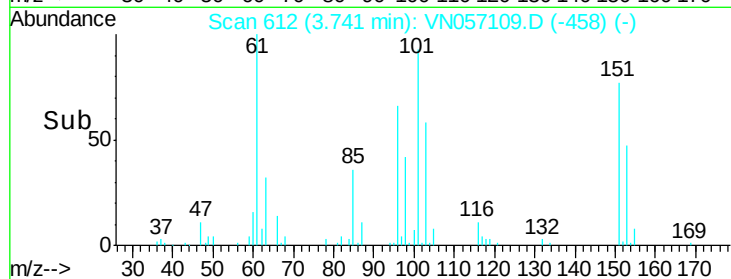
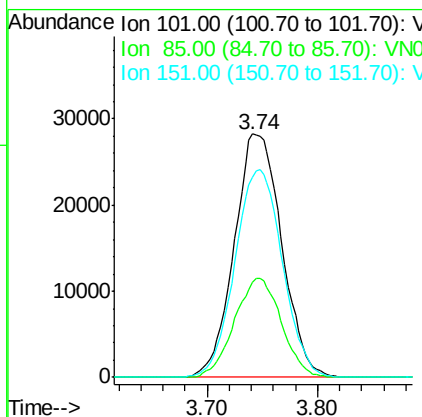
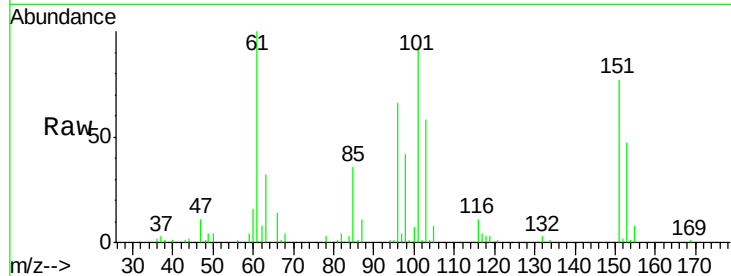
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 1,1,2-Trichlorotrifluoroethane
 Concen: 21.138 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.0	0.0	85.0
151	85.5	0.0	167.2

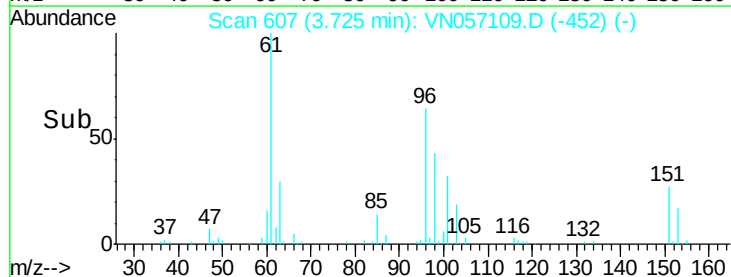
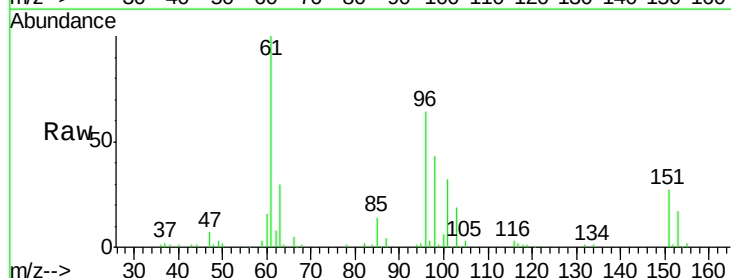
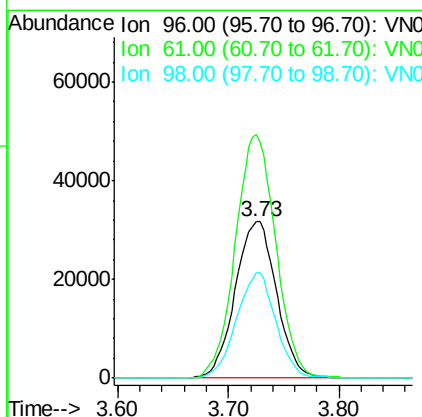
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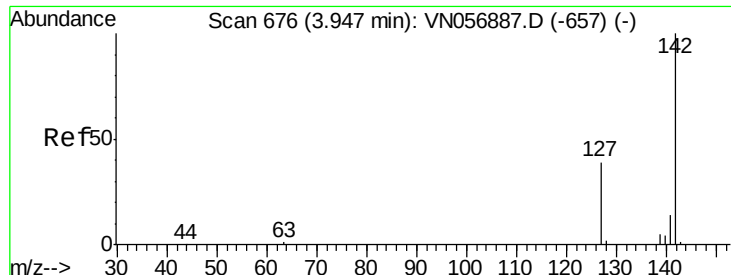
MMdadoda
 8/9/2019 12:51:40 AM



#10
 1,1-Dichloroethene
 Concen: 20.721 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	125.8	188.8
98	67.2	52.7	79.1





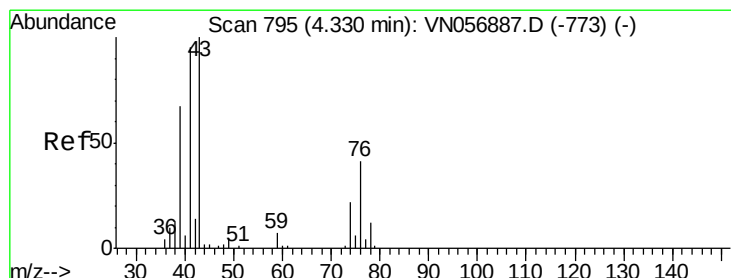
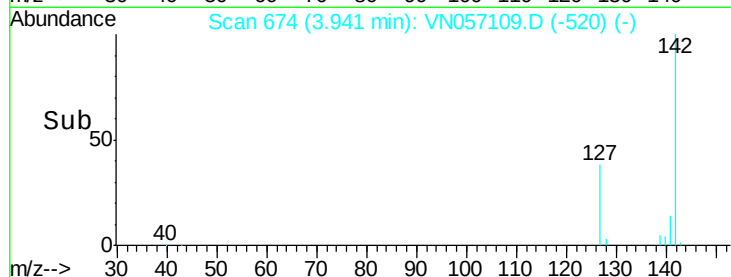
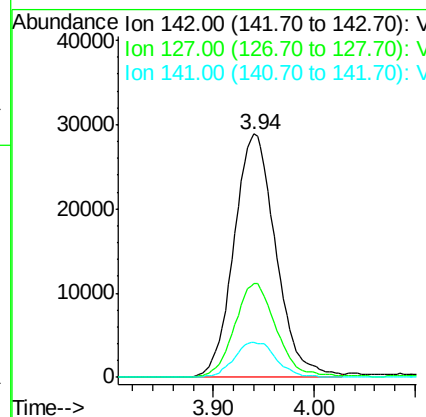
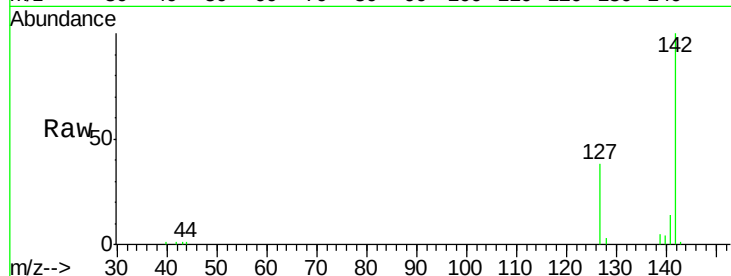
#11
Methvl Iodide
Concen: 14.227 ug/l
RT: 3.94 min Scan# 674
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.3	19.6	58.8
141	14.2	7.2	21.6

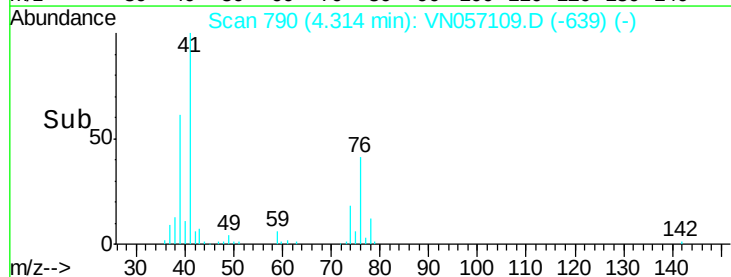
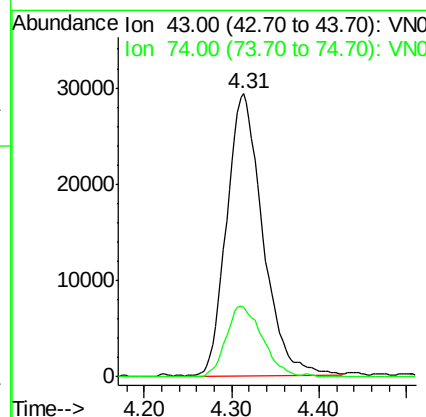
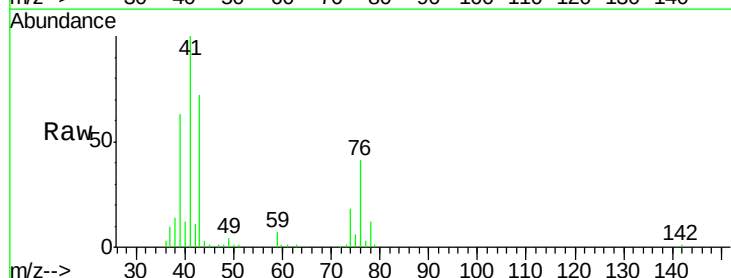
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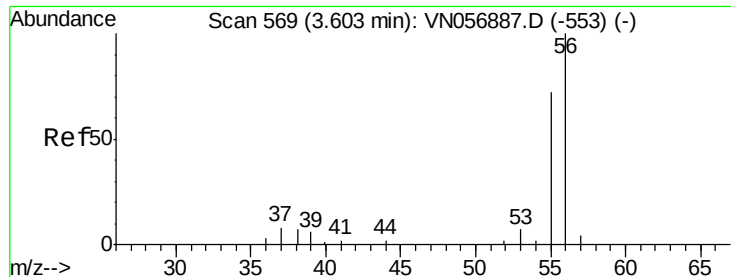
MMDadoda
8/9/2019 12:51:40 AM



#12
Methyl Acetate
Concen: 17.320 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.1	27.1





#13

Acrolein

Concen: 113.011 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 61930

Ion Ratio Lower Upper

56 100

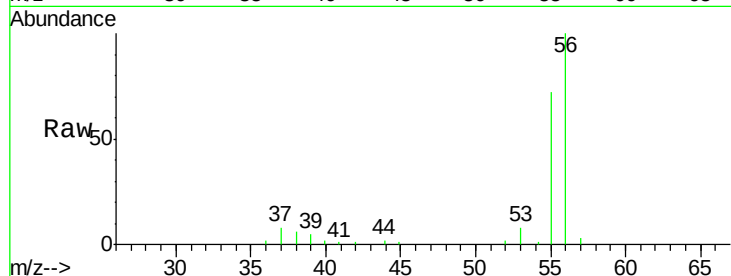
55 71.3 58.5 87.7

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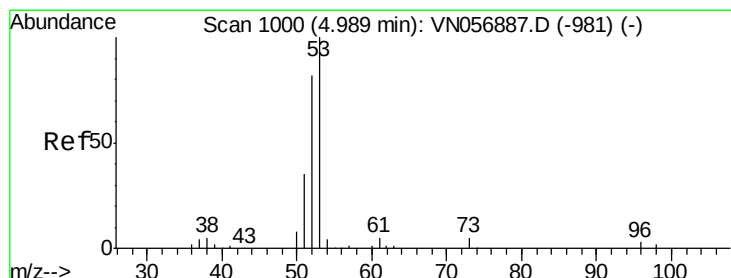
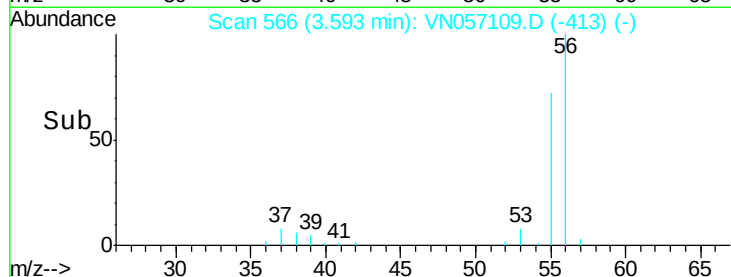
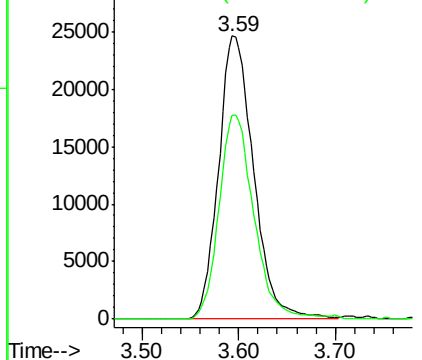
MMdadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.345 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.02 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

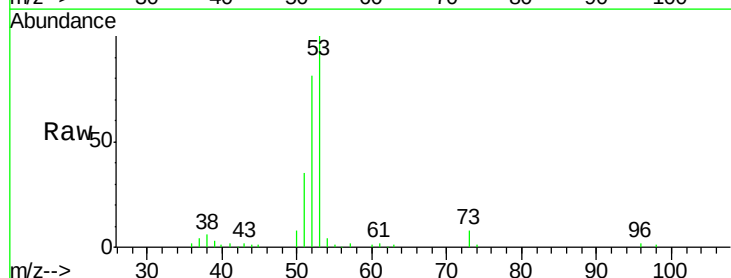
Tgt Ion: 53 Resp: 179913

Ion Ratio Lower Upper

53 100

52 84.3 40.8 122.5

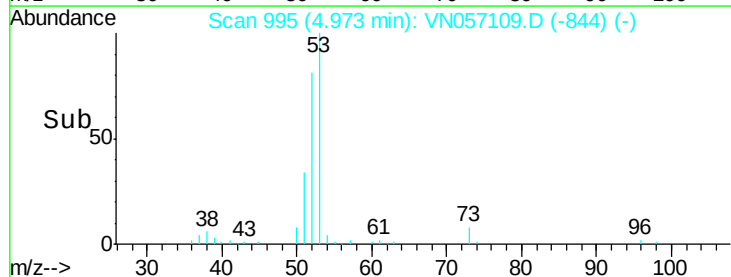
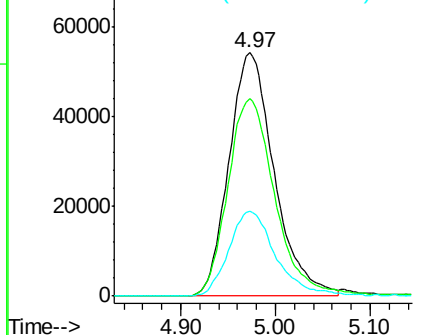
51 36.5 17.4 52.2

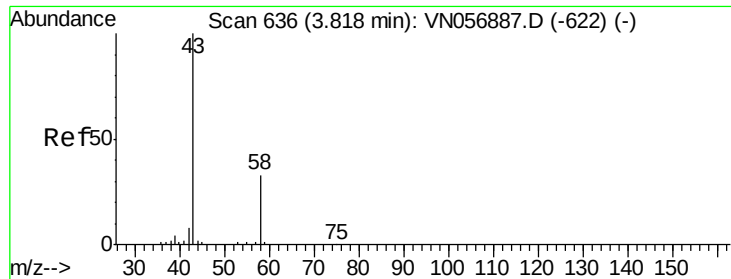


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.045 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 49265

Ion Ratio Lower Upper

58 100

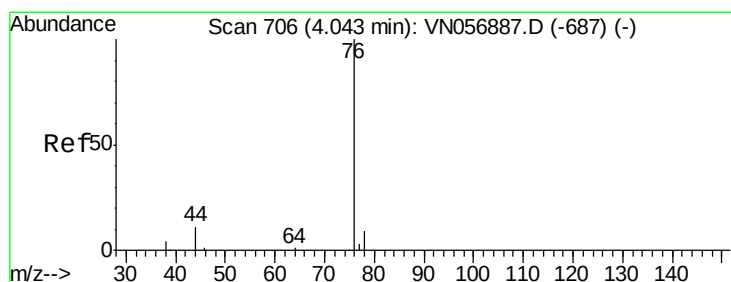
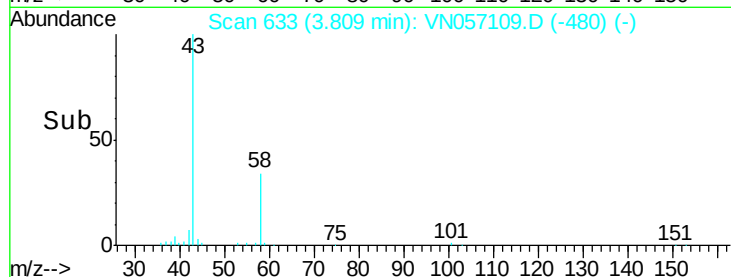
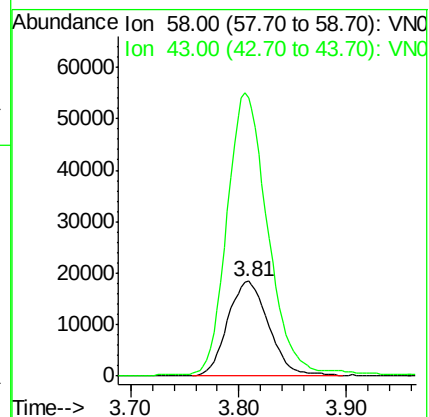
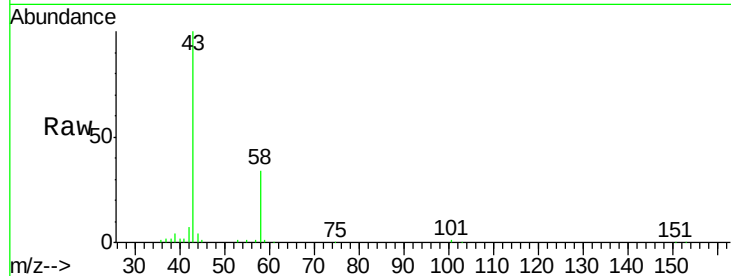
43 290.0 242.4 363.6

Manual Integrations

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#16

Carbon Disulfide

Concen: 19.770 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN057109.D

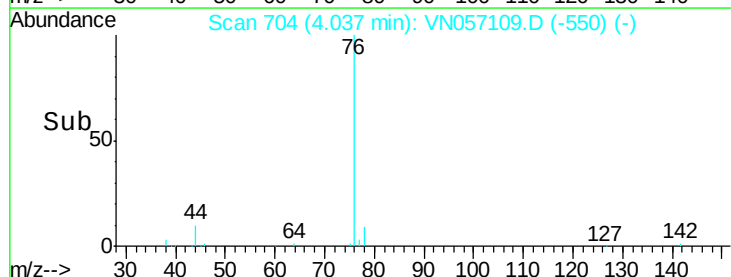
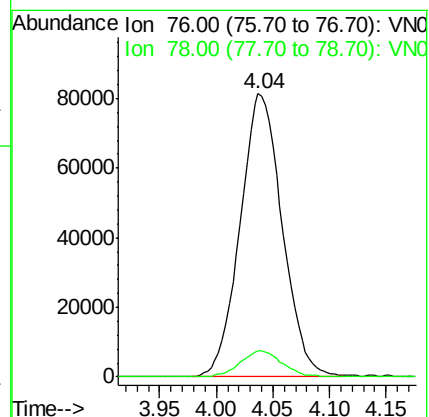
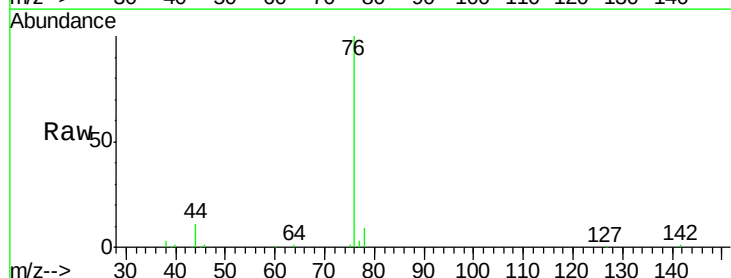
Acq: 6 Aug 2019 17:35

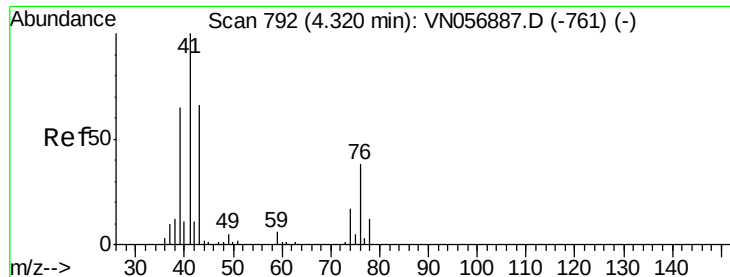
Tgt Ion: 76 Resp: 210911

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





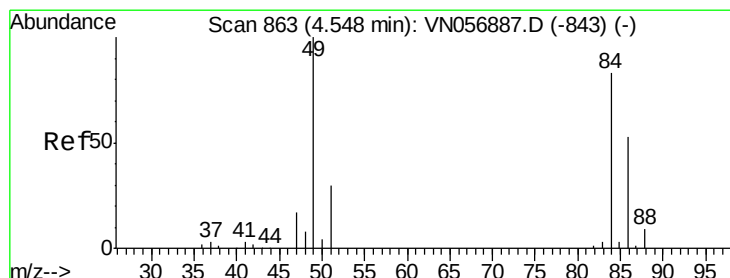
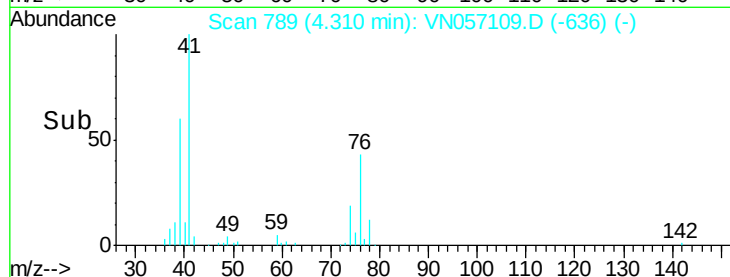
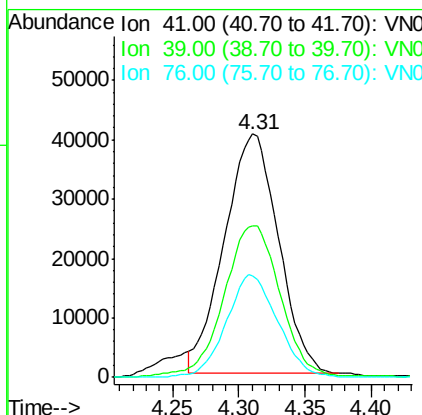
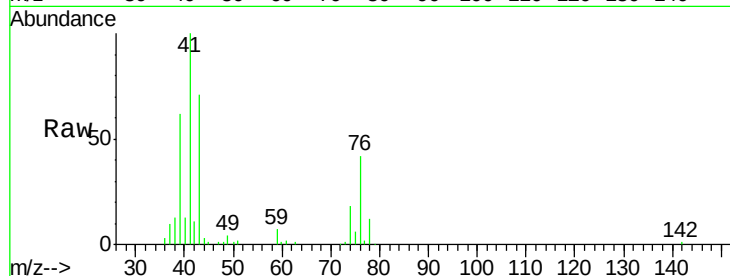
#17
Allvl chloride
Concen: 17.299 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	114534
Ion	Ratio	Lower	Upper
41	100		
39	62.7	32.4	97.0
76	42.2	19.0	57.0

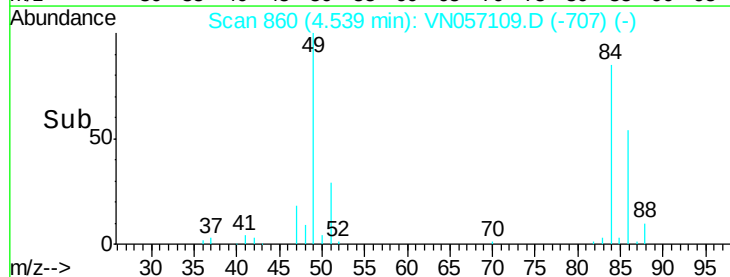
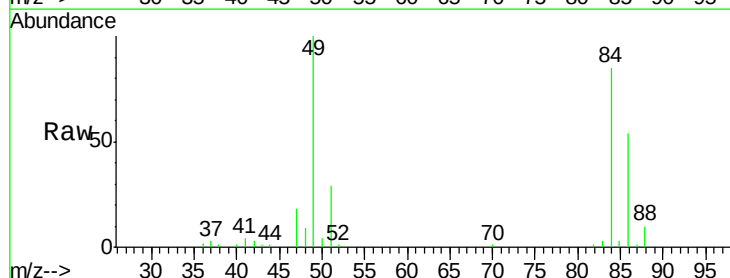
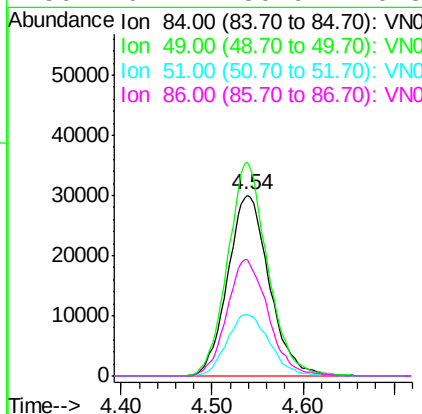
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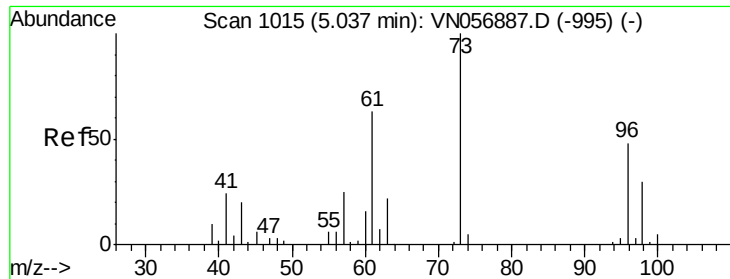
MMdadoda
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#18
Methylene Chloride
Concen: 20.681 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:	84	Resp:	95237
Ion	Ratio	Lower	Upper
84	100		
49	117.7	96.3	144.5
51	33.8	28.8	43.2
86	64.2	50.9	76.3





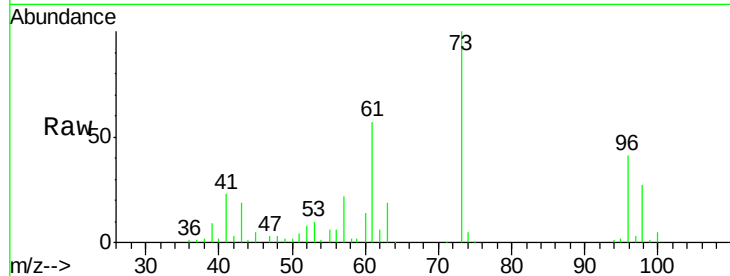
#19
trans-1,2-Dichloroethene
Concen: 20.638 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	139.5	105.4	158.0	
98	65.8	50.8	76.2	

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MMdadoda
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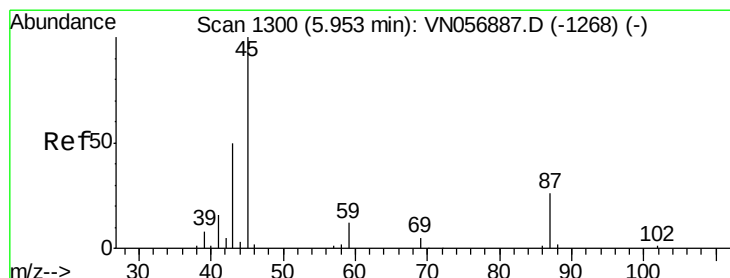
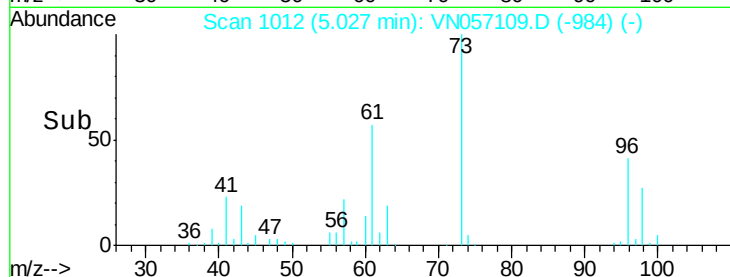
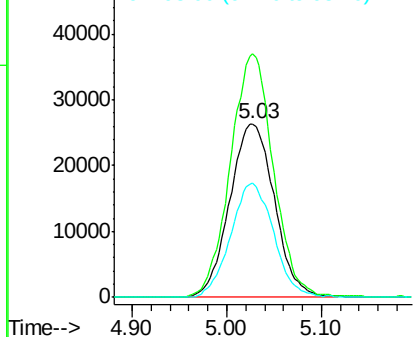


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.746 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.3	47.4	71.0	
87	30.4	21.7	32.5	
59	11.8	9.3	13.9	

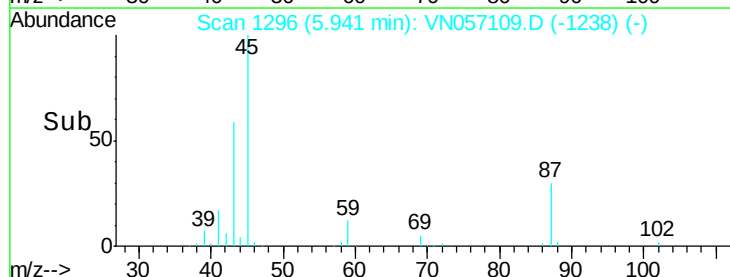
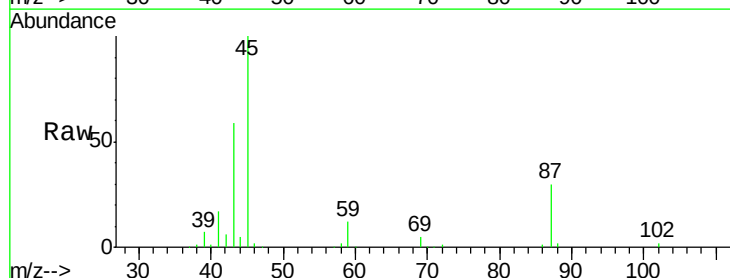
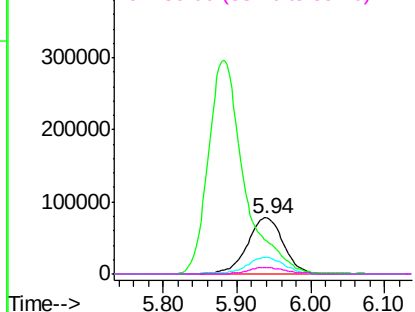
Abundance

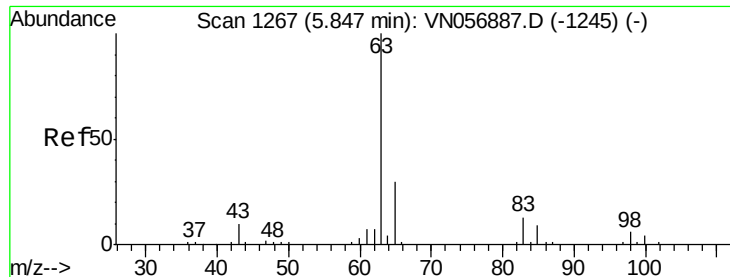
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





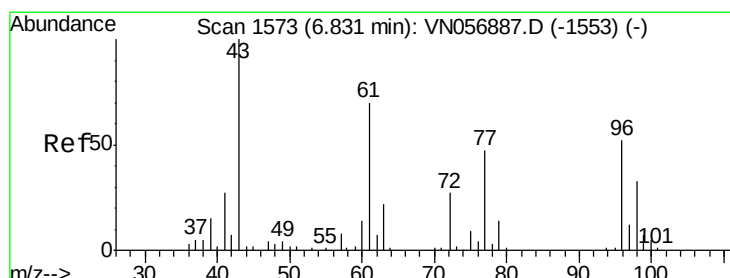
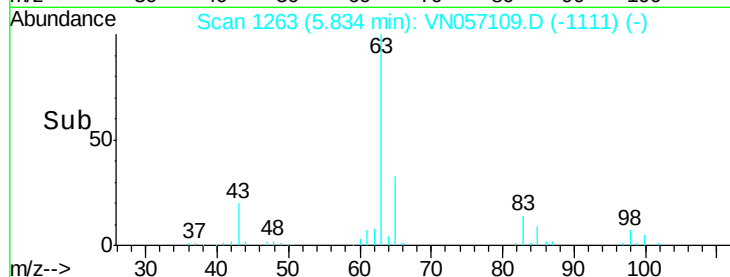
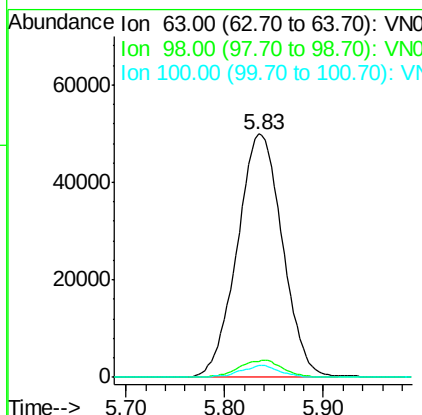
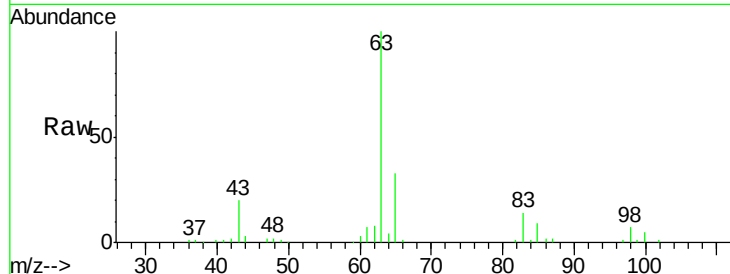
#21
 1,1-Dichloroethane
 Concen: 20.305 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.5	3.1	9.3	
100	4.9	1.8	5.5	

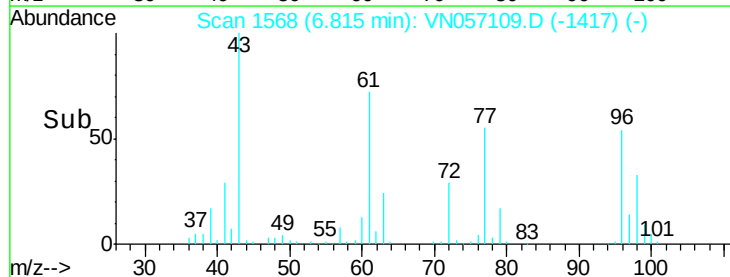
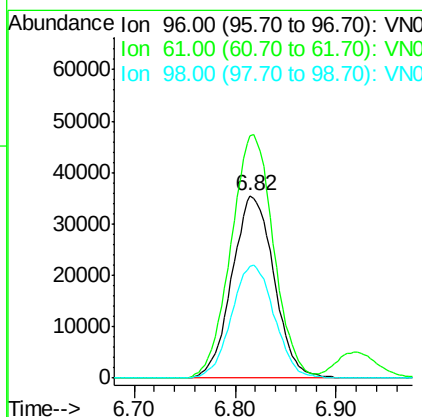
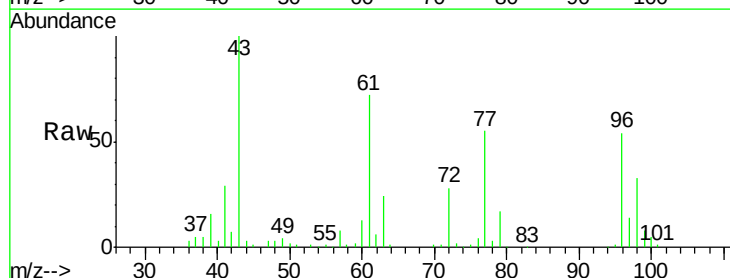
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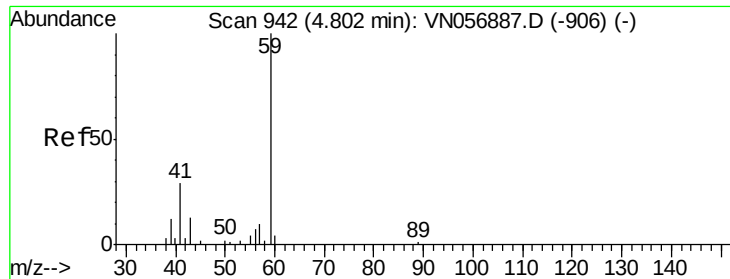
MMdadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 21.136 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	135.3	111.6	167.4	
98	63.0	51.0	76.4	





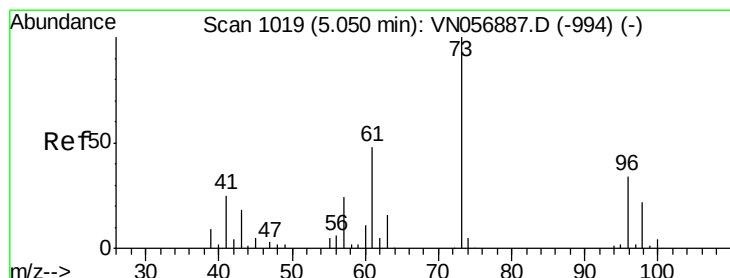
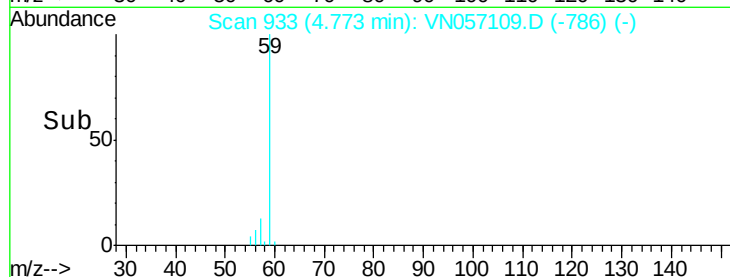
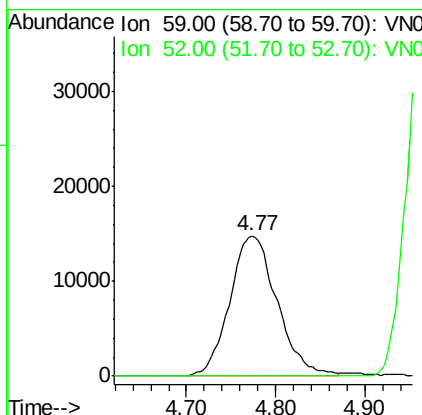
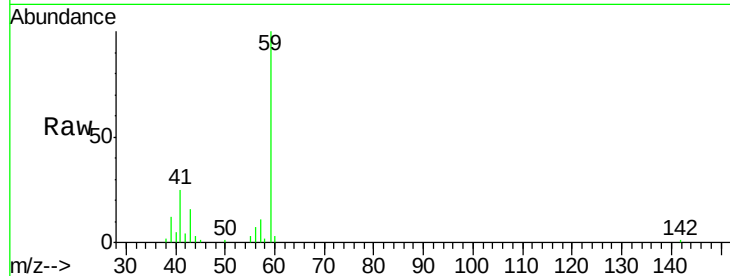
#23
 tert-Butyl Alcohol
 Concen: 87.330 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.03 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
52	0.0	0.0	0.0	0.0

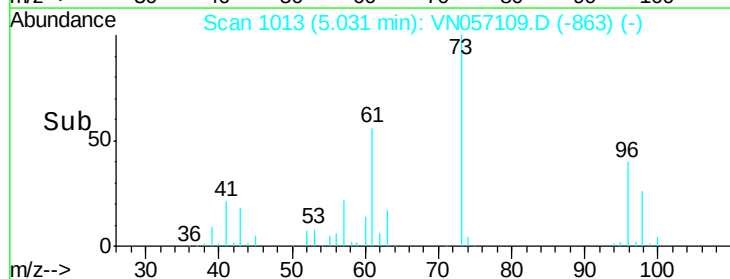
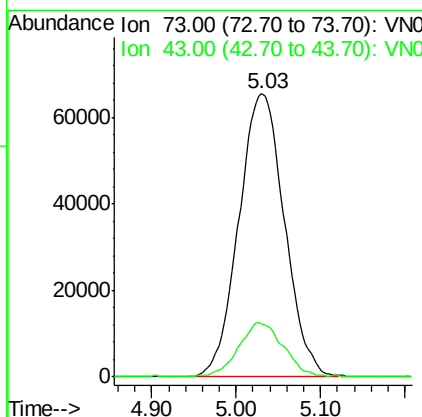
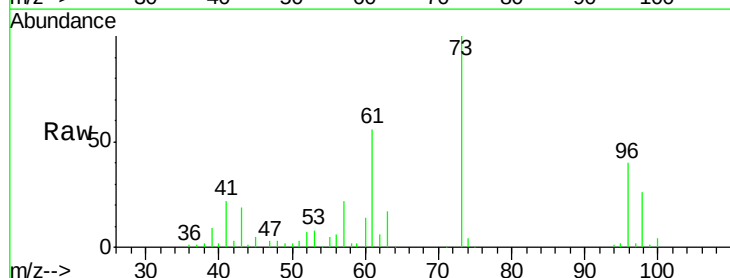
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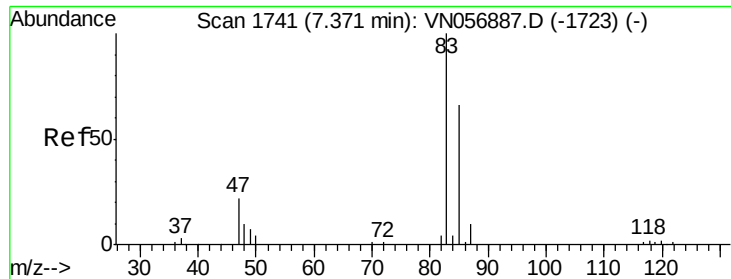
MMDadoda
 8/9/2019 12:51:40 AM



#24
 Methyl tert-Butyl Ether
 Concen: 20.603 ug/l
 RT: 5.03 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	73	Ratio	Lower	Upper
73	100			
43	18.5	15.4	23.0	





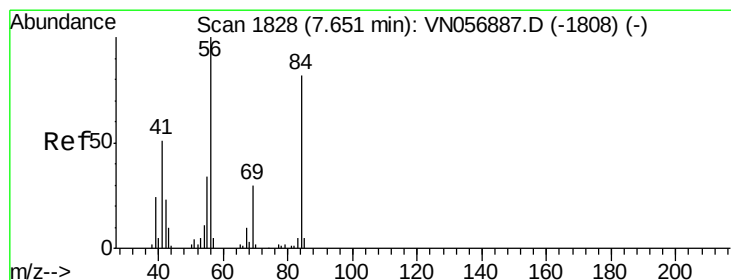
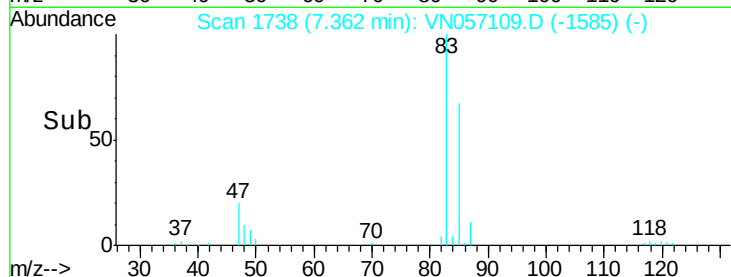
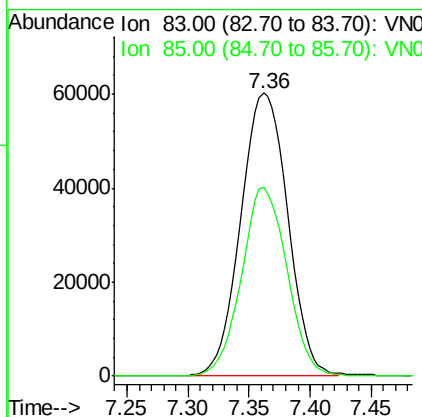
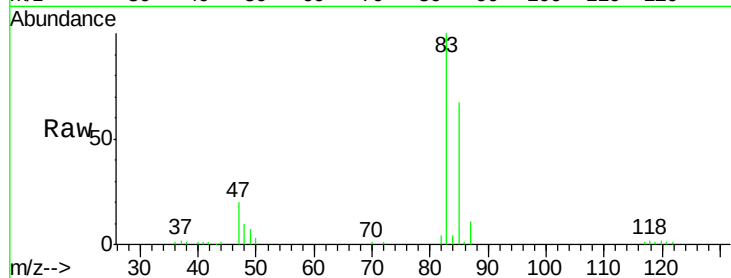
#25
Chloroform
Concen: 21.127 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 161005
Ion Ratio Lower Upper
83 100
85 66.8 53.1 79.7

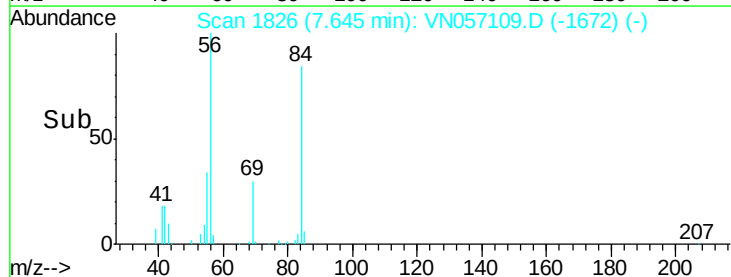
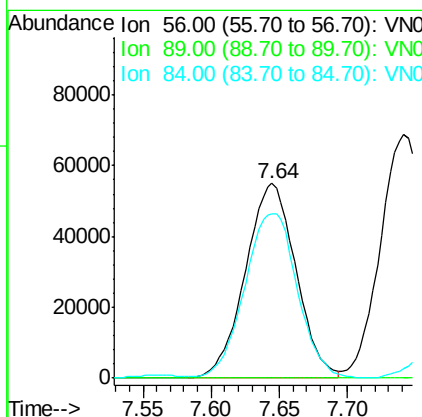
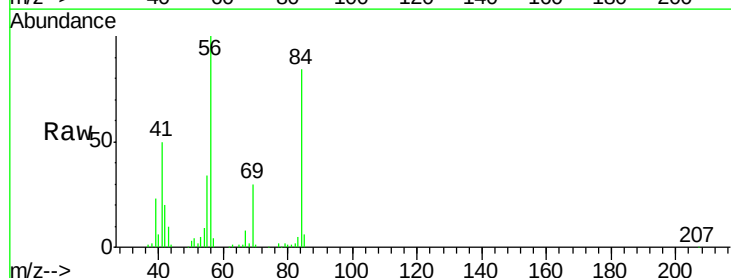
Manual Integrations
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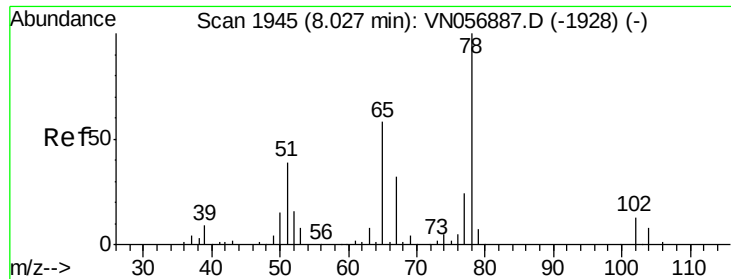
MMdadoda
8/9/2019 12:51:40 AM



#26
Cyclohexane
Concen: 19.689 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 56 Resp: 141294
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.5 67.8 101.6





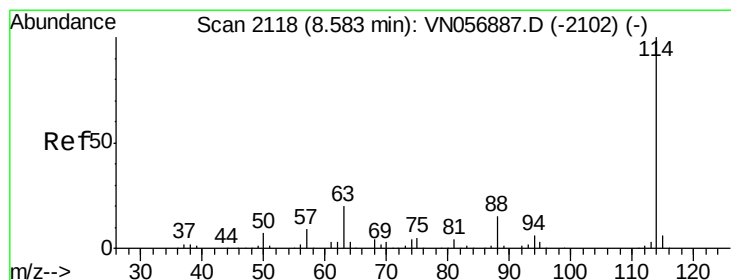
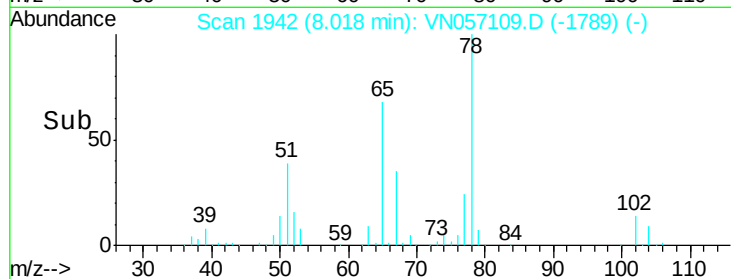
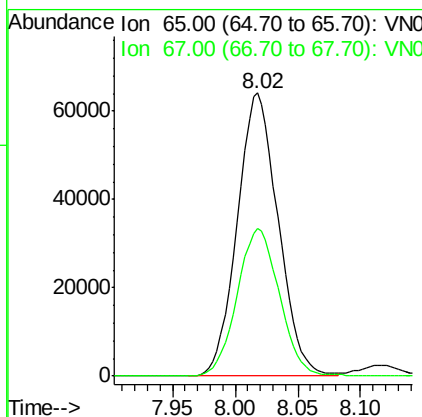
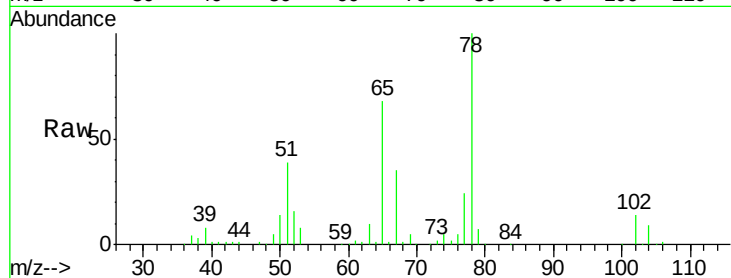
#27
 1,2-Dichloroethane-d4
 Concen: 30.035 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	44.6	66.8	

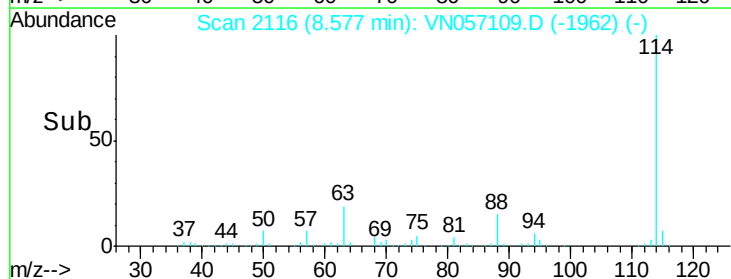
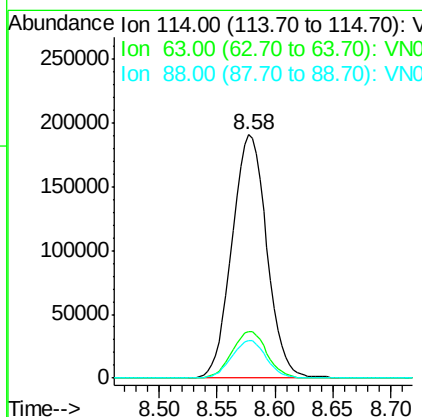
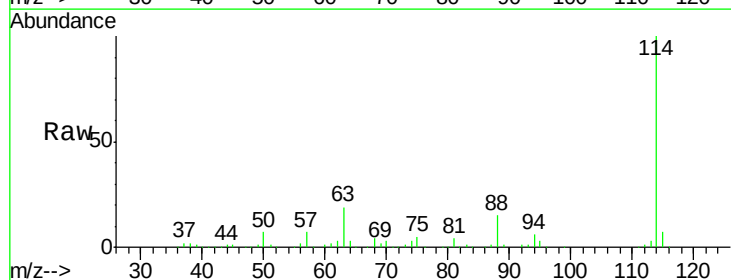
Manual Integrations
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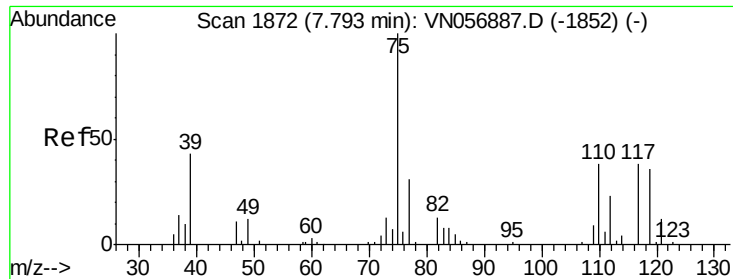
MMdadoda
 8/9/2019 12:51:40 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	15.8	23.6	
88	15.3	12.5	18.7	





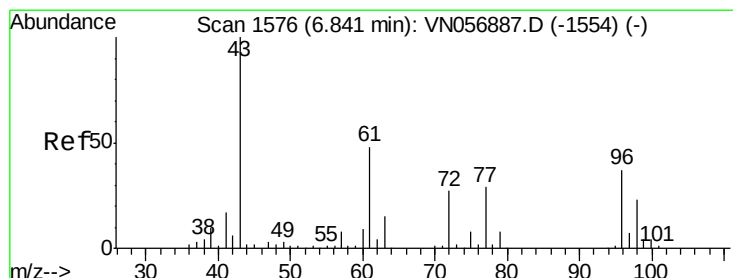
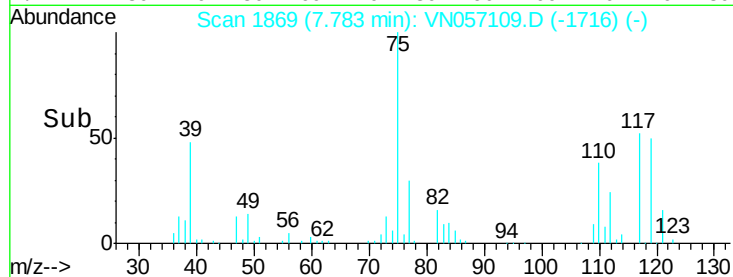
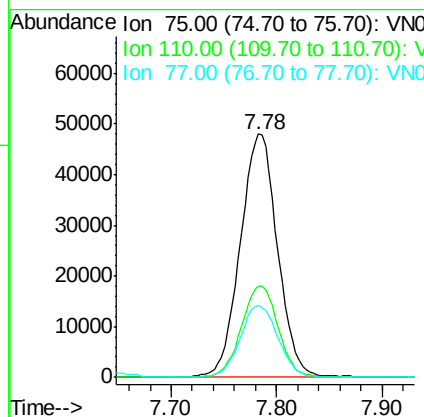
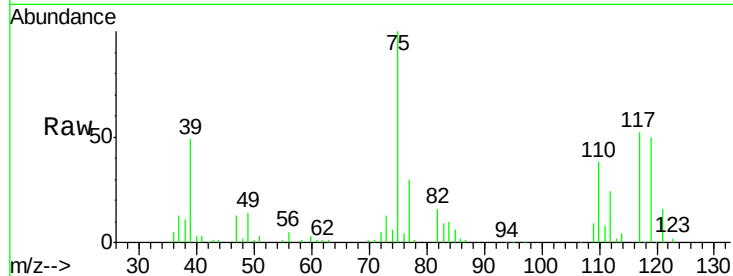
#29
 1,1-Dichloropropene
 Concen: 20.757 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.1	0.0	75.8	
77	30.5	0.0	64.0	

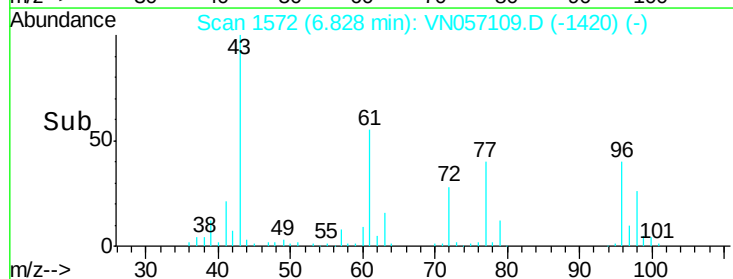
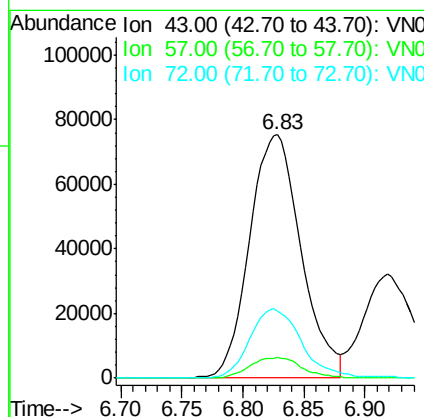
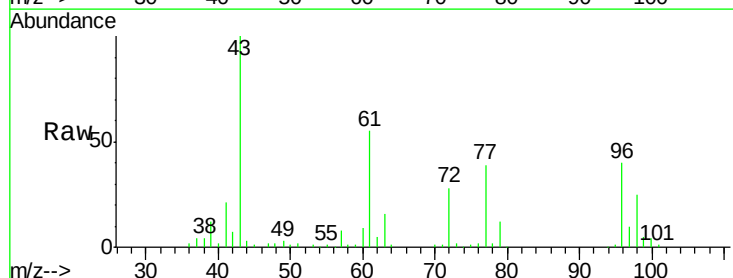
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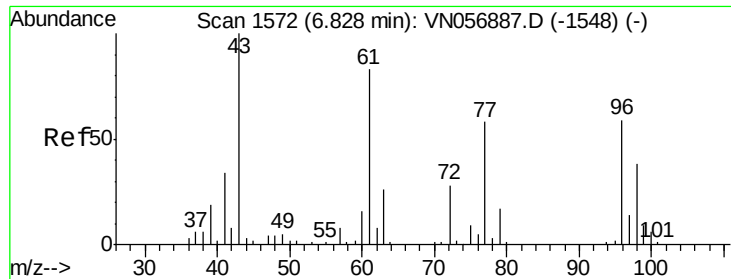
MMdadoda
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#30
 2-Butanone
 Concen: 96.936 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	8.6	6.5	9.7	
72	28.6	22.1	33.1	





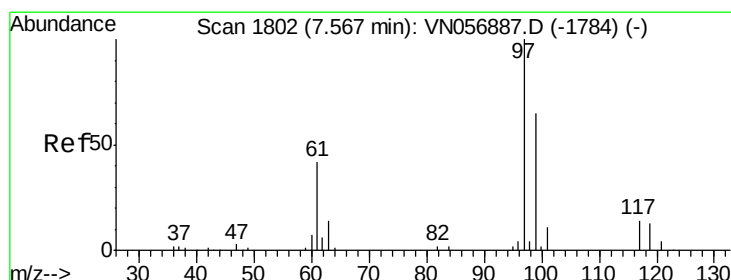
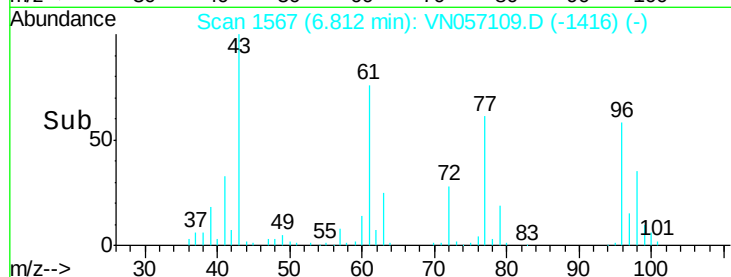
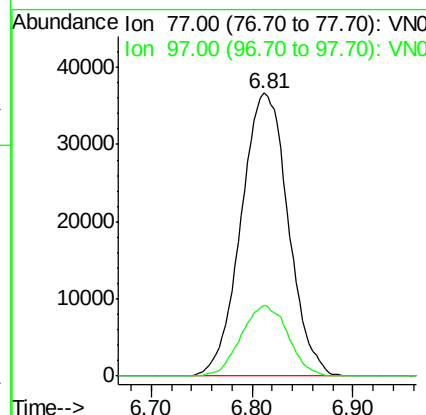
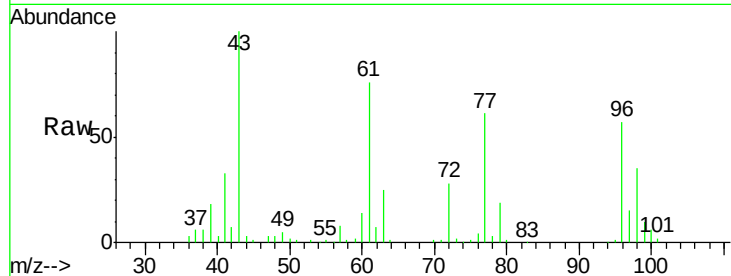
#31
 2,2-Dichloropropane
 Concen: 22.717 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 118989
 Ion Ratio Lower Upper
 77 100
 97 24.8 19.3 28.9

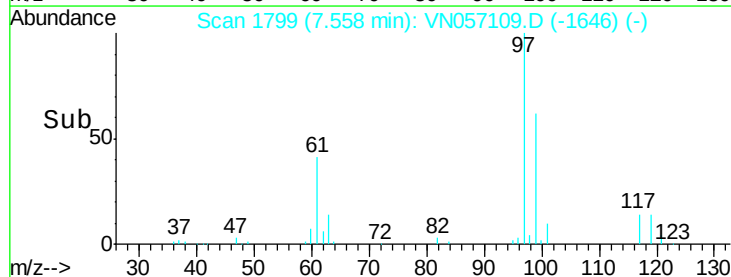
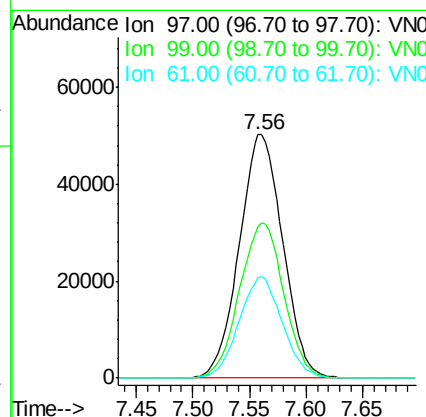
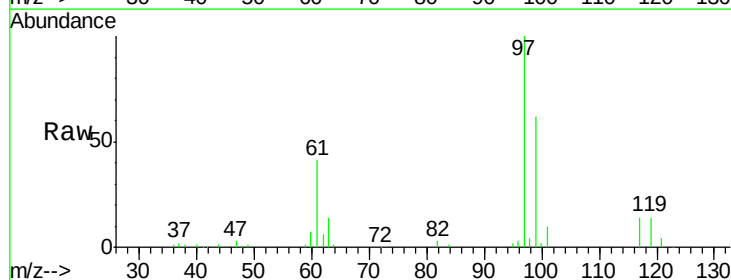
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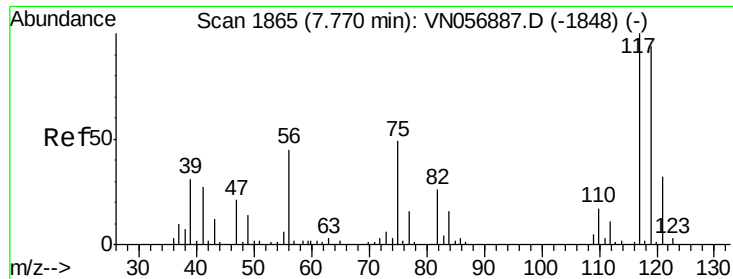
MMdadoda
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#32
 1,1,1-Trichloroethane
 Concen: 21.643 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion: 97 Resp: 134223
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.3 78.5
 61 41.4 34.4 51.6





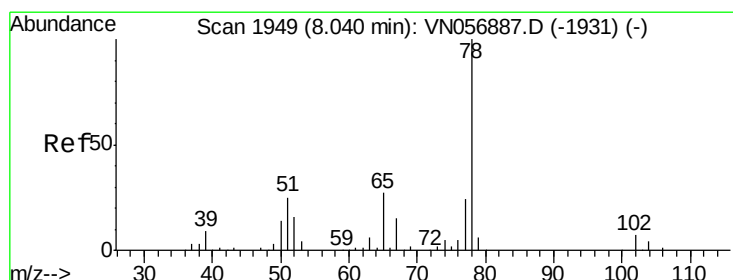
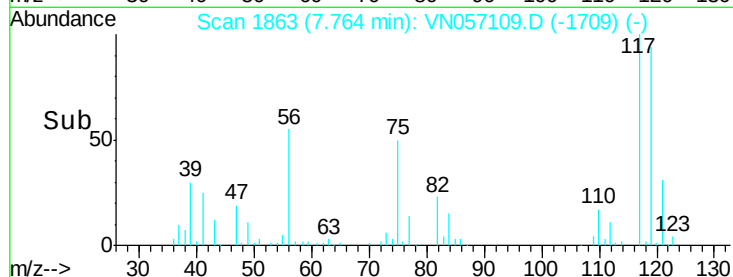
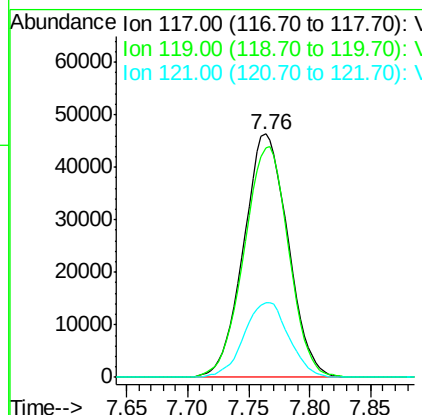
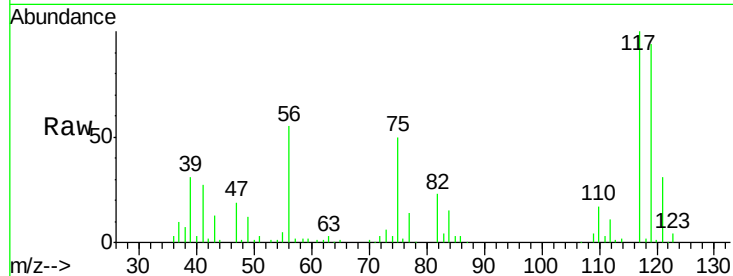
#33
Carbon Tetrachloride
Concen: 21.554 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.2	75.1	112.7
121	30.7	25.8	38.8

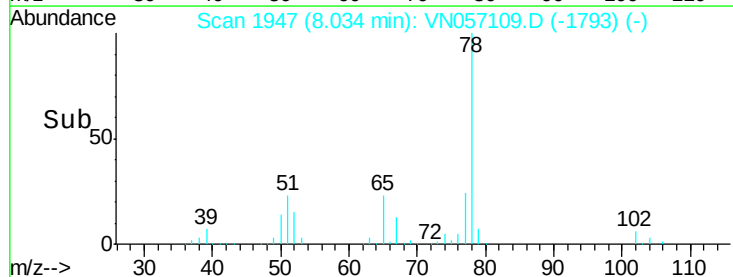
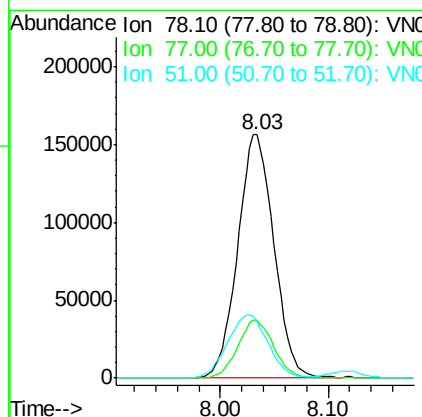
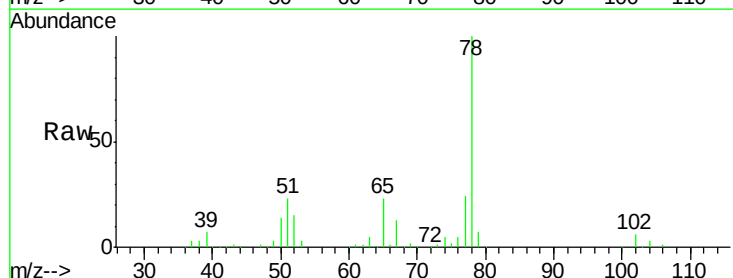
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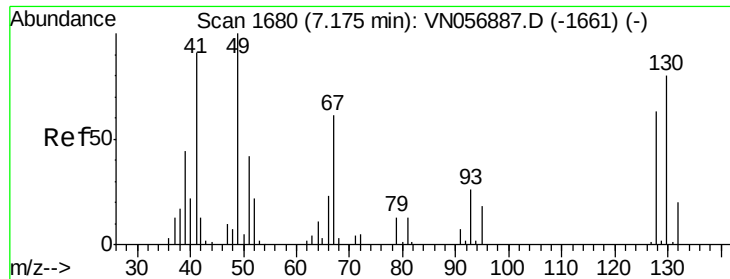
MMdadoda
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#34
Benzene
Concen: 20.506 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.2
51	23.2	20.4	30.6





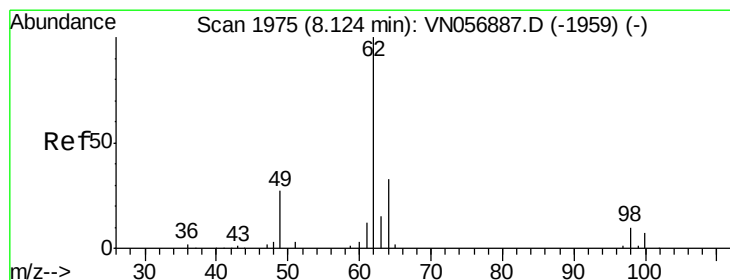
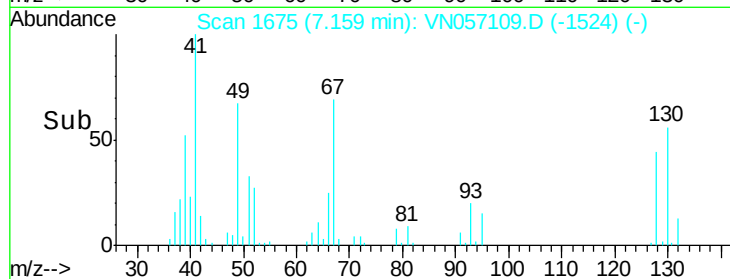
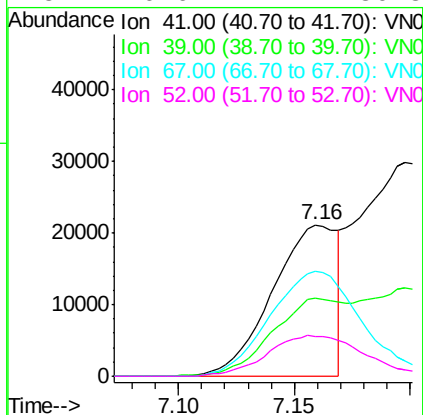
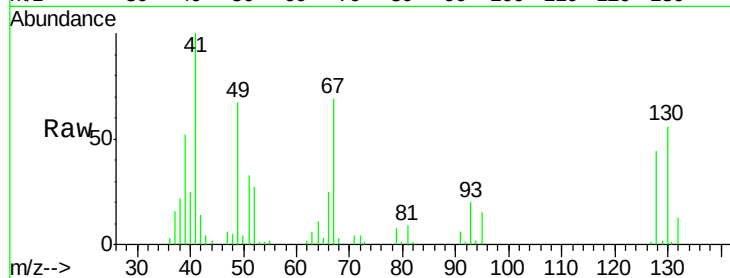
#35
Methacrylonitrile
Concen: 18.105 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	41001
Ion	Ratio	Lower	Upper
41	100		
39	50.8	24.4	73.2
67	69.3	33.4	100.1
52	26.6	12.1	36.3

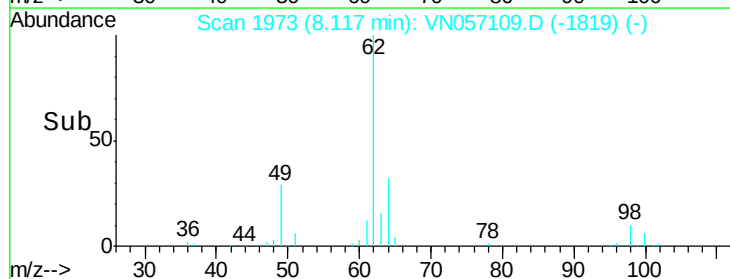
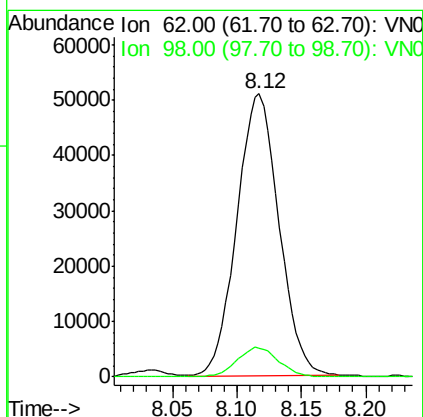
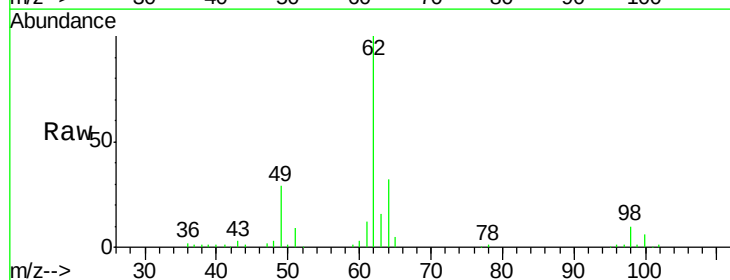
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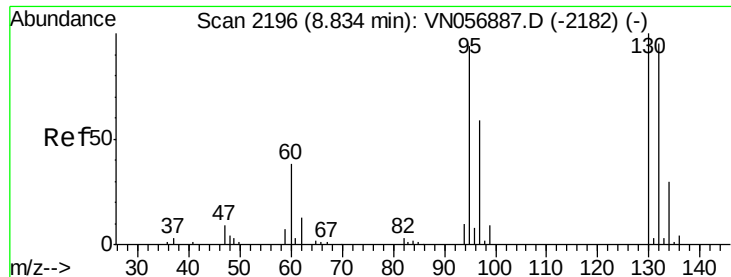
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.935 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion:	62	Resp:	115743
Ion	Ratio	Lower	Upper
62	100		
98	10.3	7.7	11.5





#37

Trichloroethene

Concen: 21.141 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:130 Resp: 100800

Ion Ratio Lower Upper

130 100

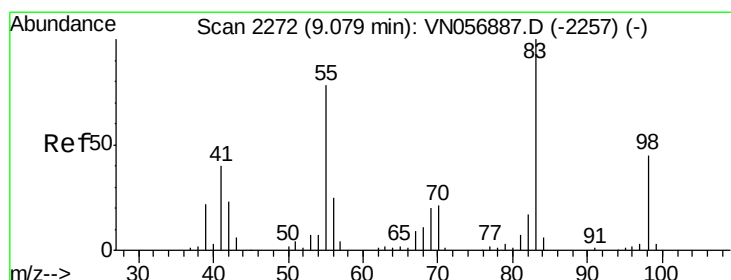
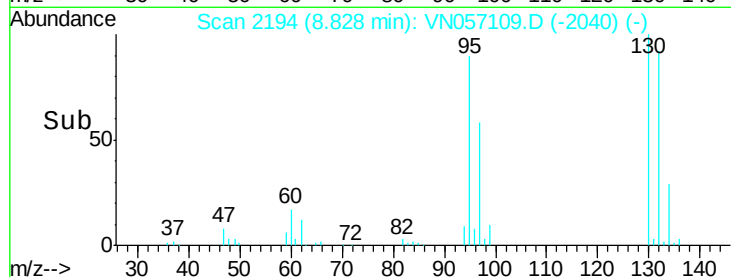
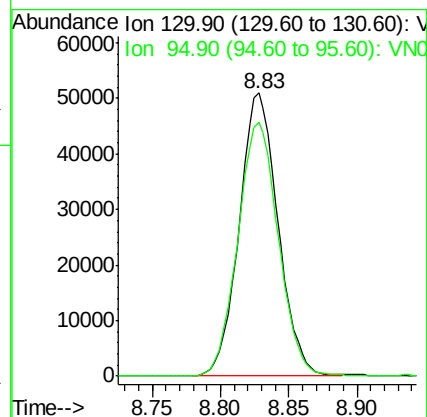
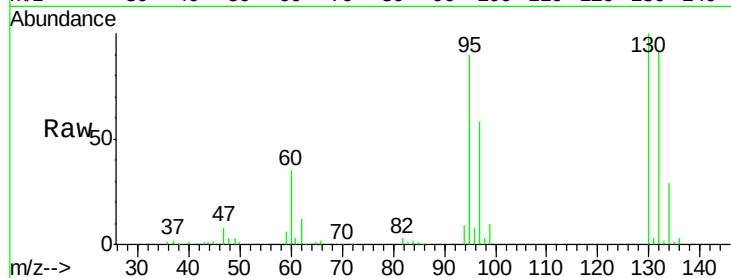
95 89.7 74.9 112.3

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#38

Methylcyclohexane

Concen: 20.821 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

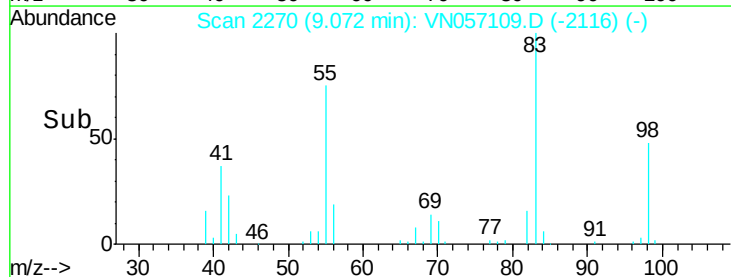
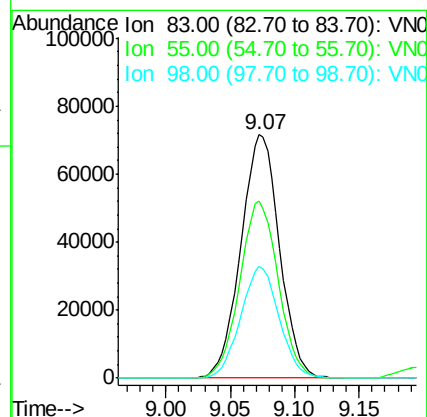
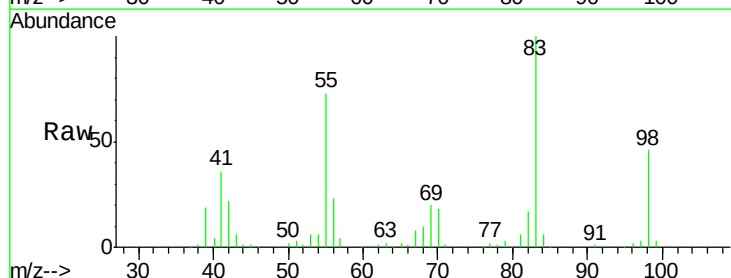
Tgt Ion: 83 Resp: 149492

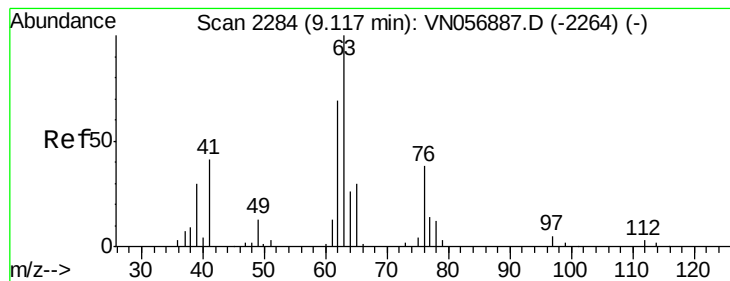
Ion Ratio Lower Upper

83 100

55 72.3 38.4 115.1

98 45.6 22.7 68.0





#39

1,2-Dichloropropane

Concen: 19.851 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 94237

Ion Ratio Lower Upper

63 100

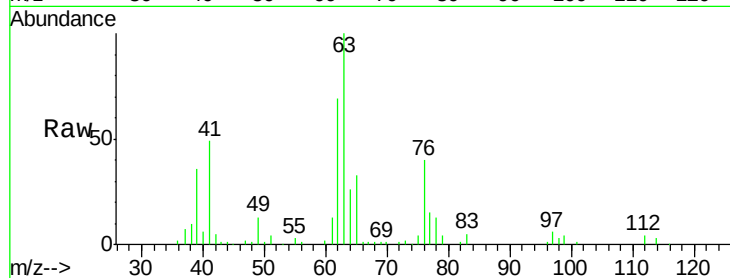
65 33.0 24.6 36.8

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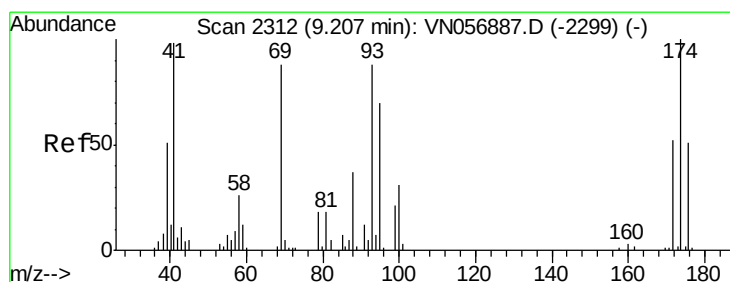
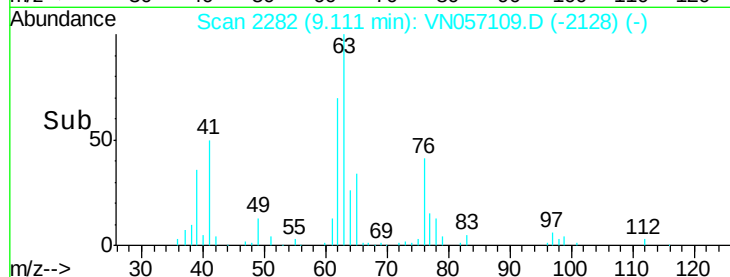
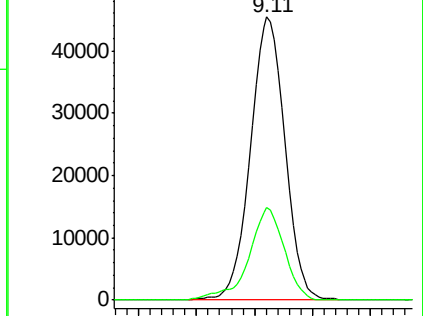
MMdadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 21.116 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

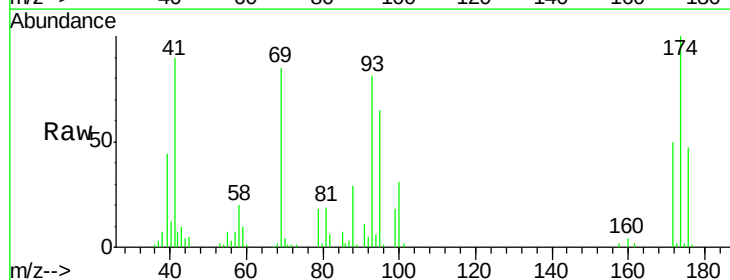
Tgt Ion: 93 Resp: 61493

Ion Ratio Lower Upper

93 100

95 82.6 0.0 165.8

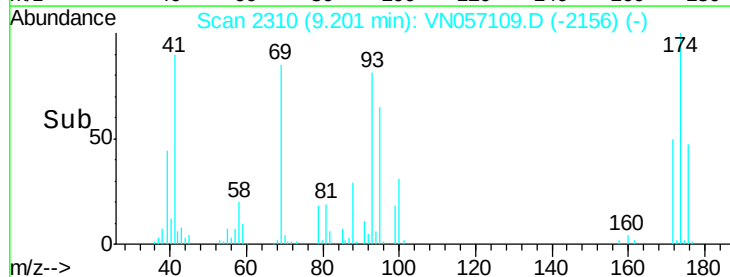
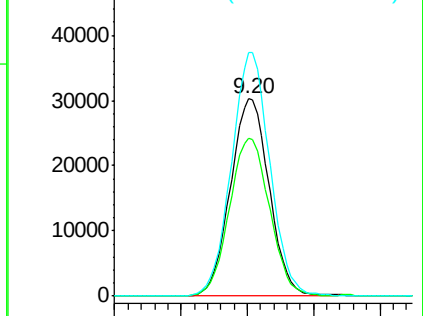
174 122.3 0.0 232.4

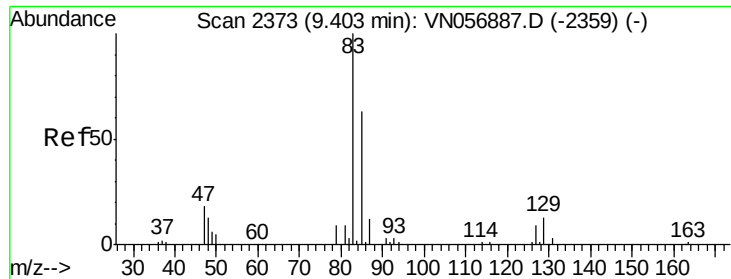


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 20.868 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

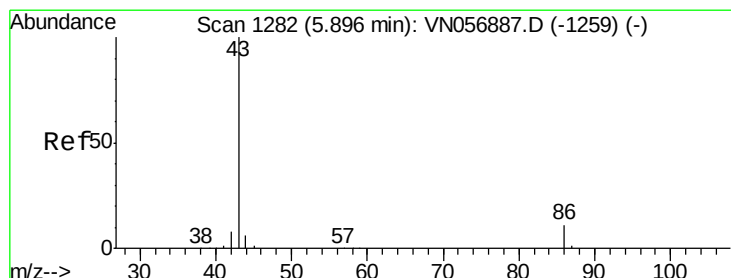
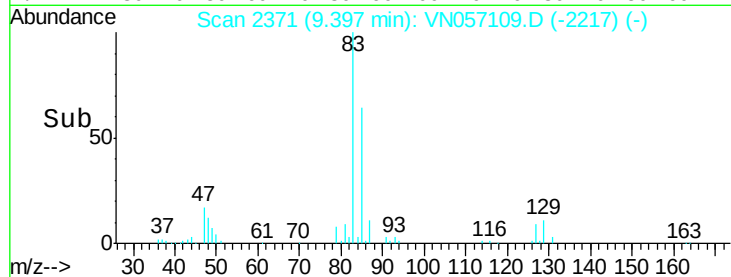
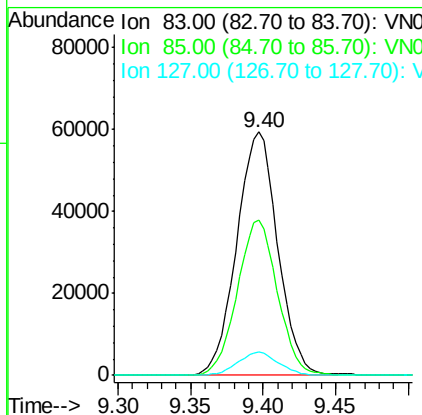
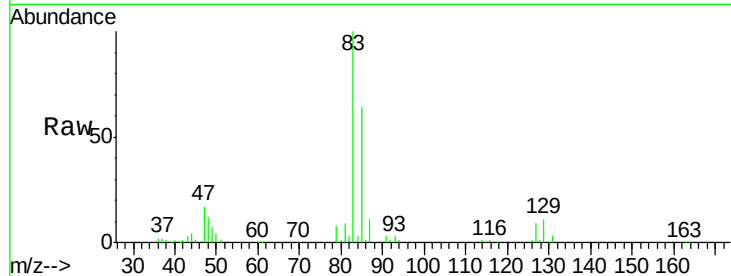
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	116775
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.6	75.8
127	9.4	7.2	10.8

Manual Integrations
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#42

Vinyl Acetate

Concen: 99.132 ug/l

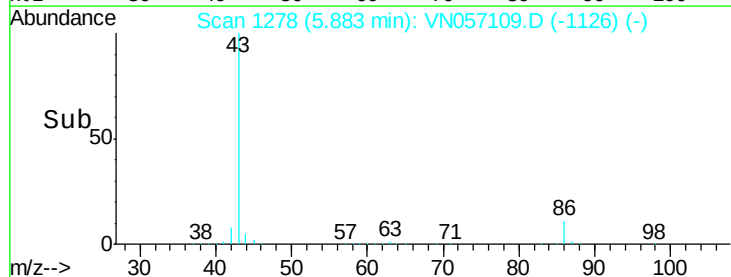
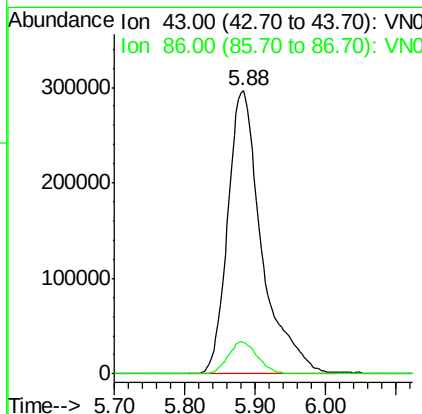
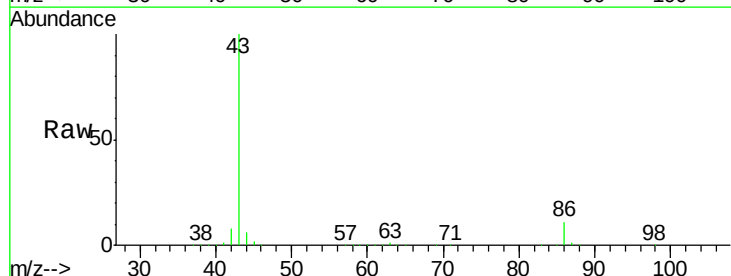
RT: 5.88 min Scan# 1278

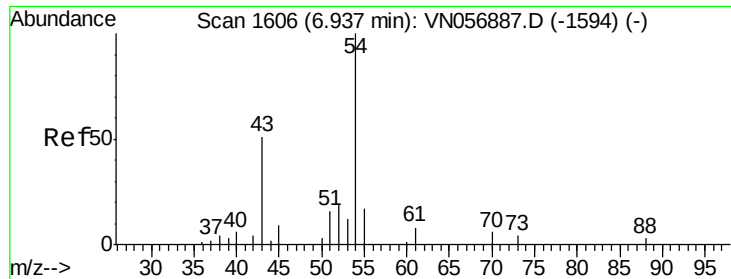
Delta R.T. -0.01 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	43	Resp:	1001103
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.4	11.2





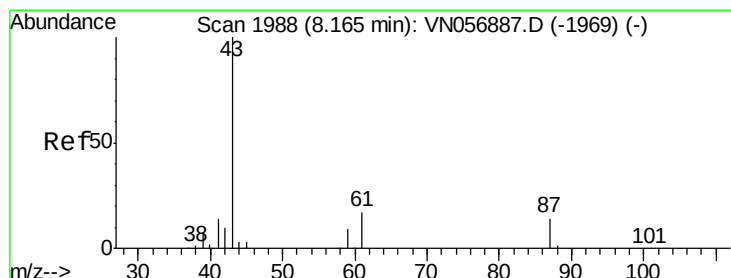
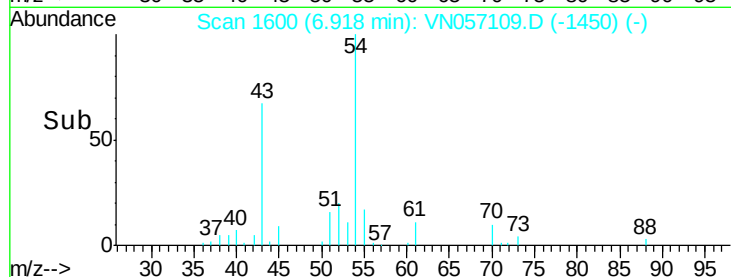
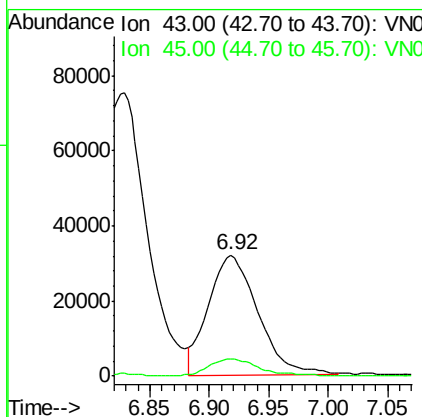
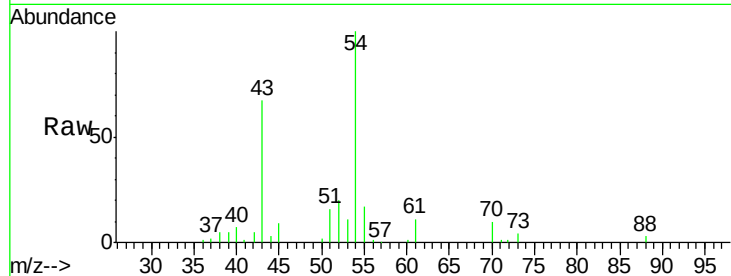
#43
Ethyl Acetate
Concen: 19.850 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 92279
Ion Ratio Lower Upper
43 100
45 15.1 10.2 15.2

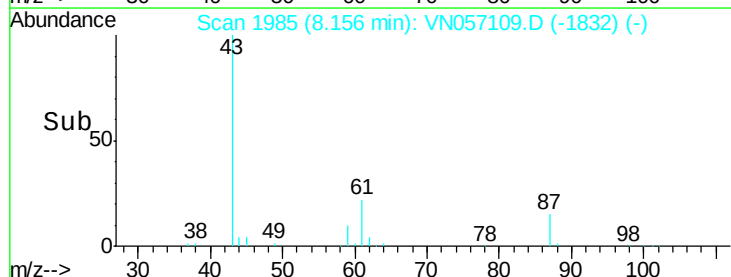
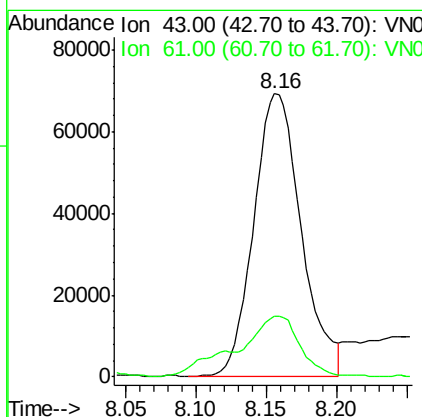
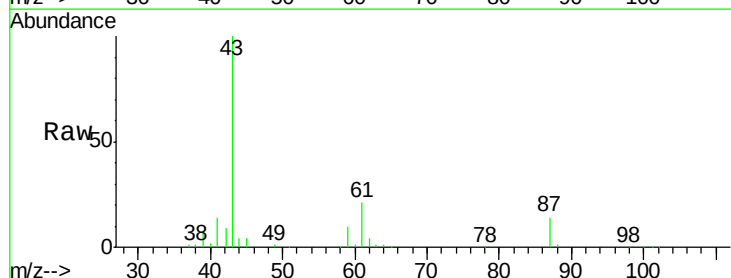
Manual Integrations
APPROVED

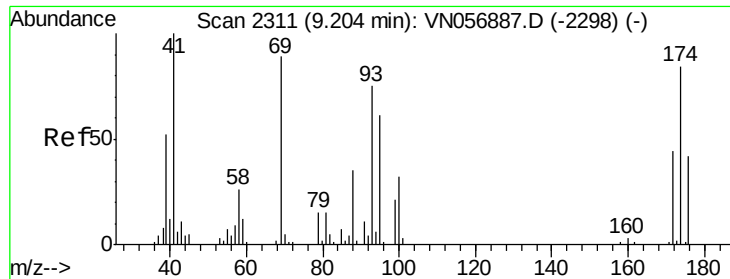
MMdadoda
8/9/2019 12:51:40 AM



#44
Isopropyl Acetate
Concen: 20.967 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 43 Resp: 162472
Ion Ratio Lower Upper
43 100
61 20.6 23.0 34.4#





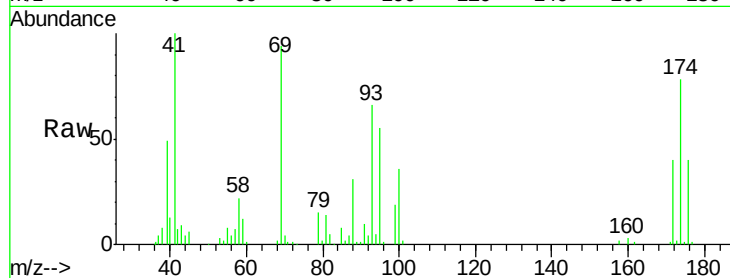
#45
1,4-Dioxane
Concen: 373.757 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

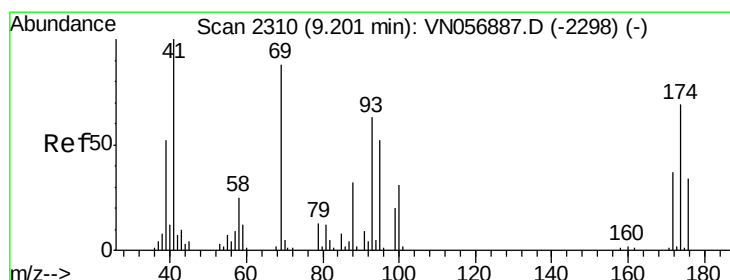
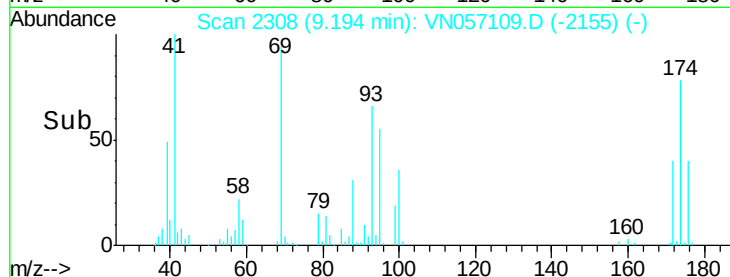
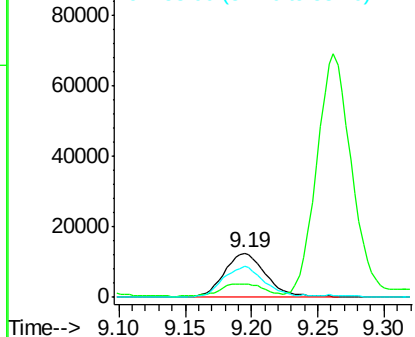
Tot Ion	88	Resp	27572
Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.4	35.0
58	68.6	58.5	87.7

Manual Integrations
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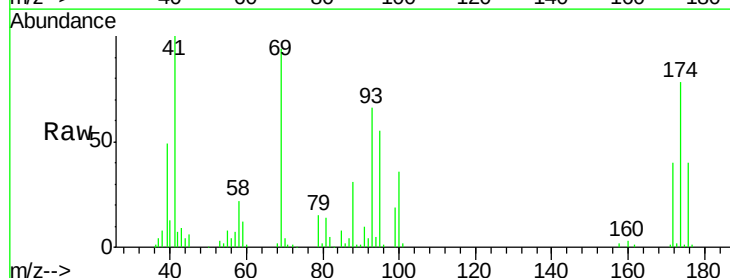


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

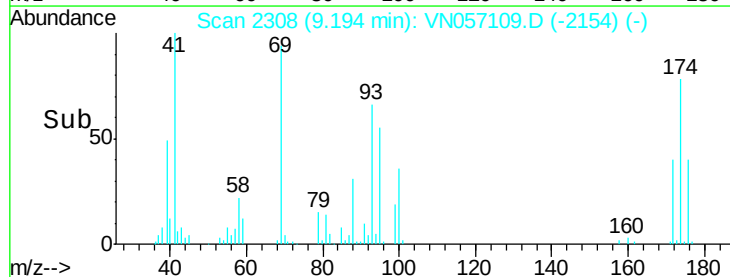
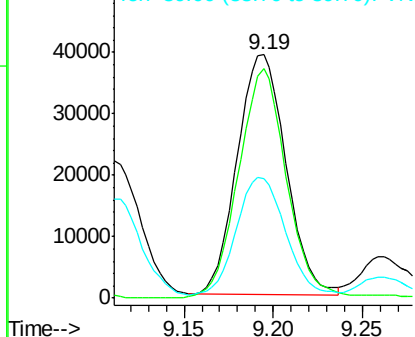


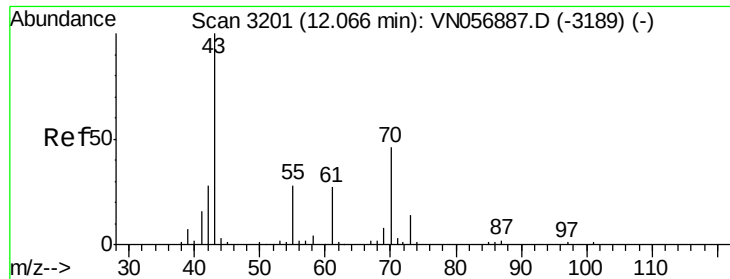
#46
Methyl methacrylate
Concen: 19.334 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	41	Resp	74742
Ion	Ratio	Lower	Upper
41	100		
69	95.2	44.0	132.0
39	48.3	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: 18.551 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 115077

Ion Ratio Lower Upper

43 100

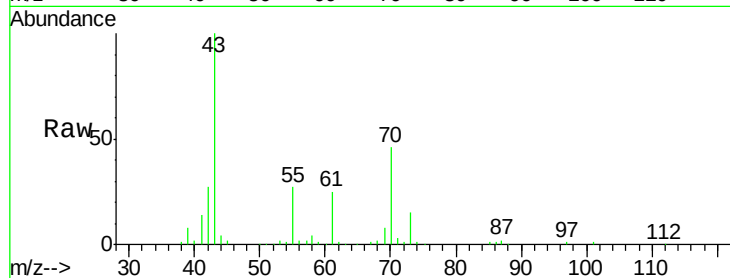
55 26.8 21.3 31.9

Manual Integrations

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MMdadoda

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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

80000

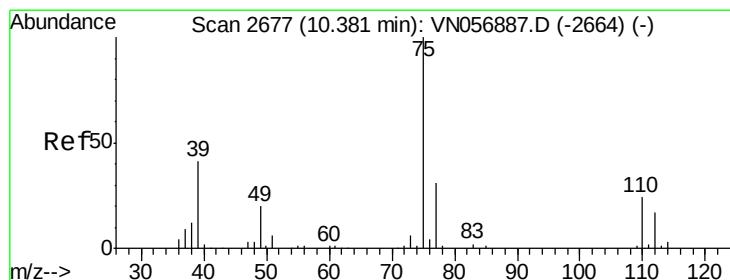
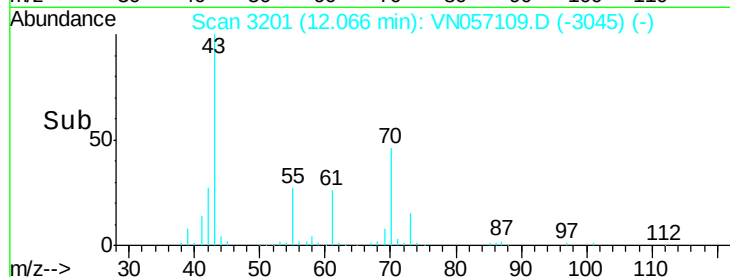
60000

40000

20000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 20.701 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057109.D

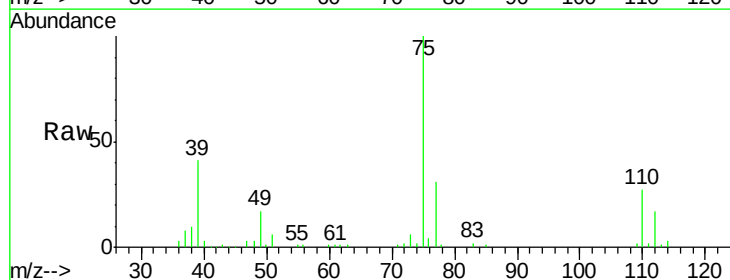
Acq: 6 Aug 2019 17:35

Tgt Ion: 75 Resp: 120544

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

80000

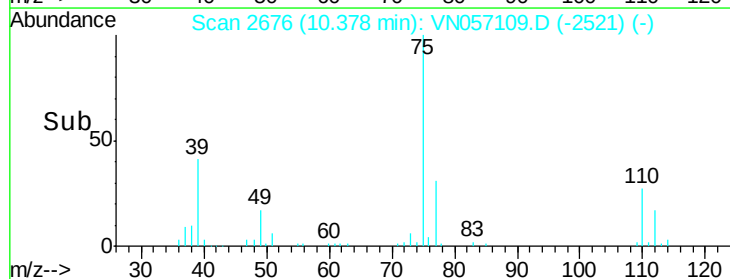
60000

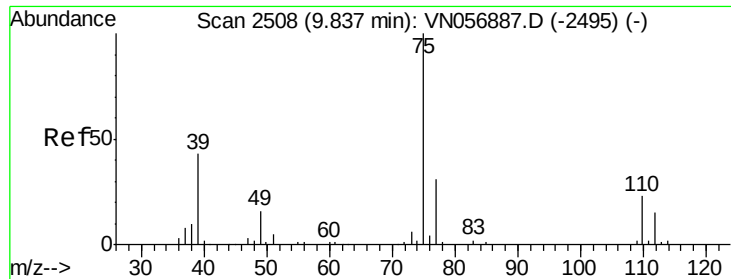
40000

20000

0

Time-->





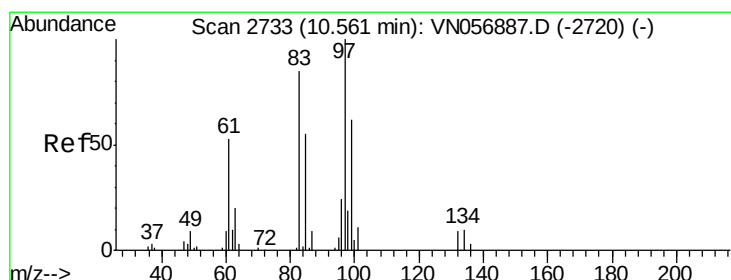
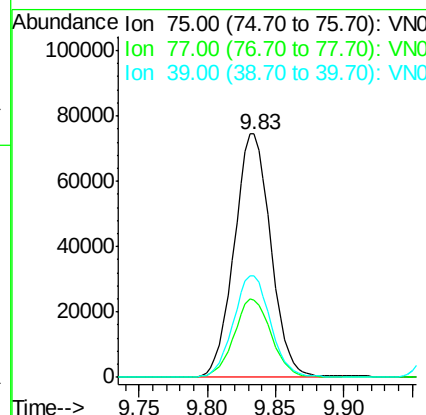
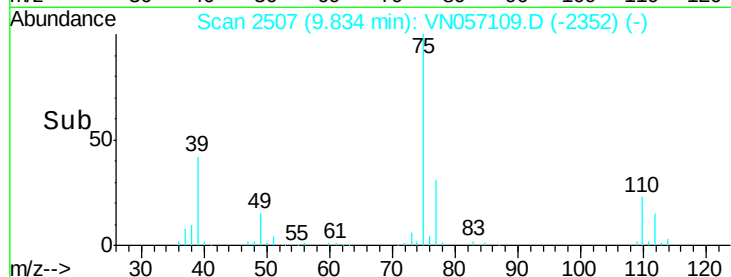
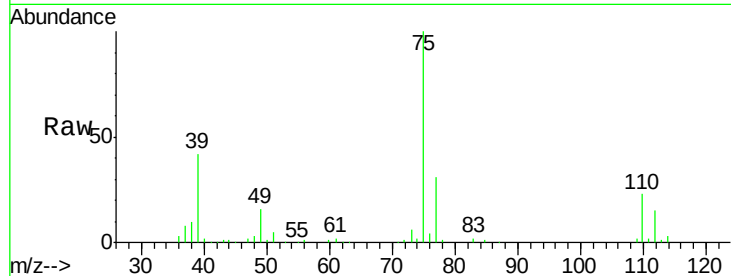
#49
 cis-1,3-Dichloropropene
 Concen: 20.459 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6
39	42.0	34.2	51.4

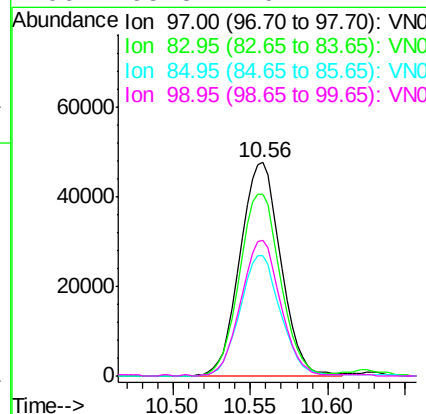
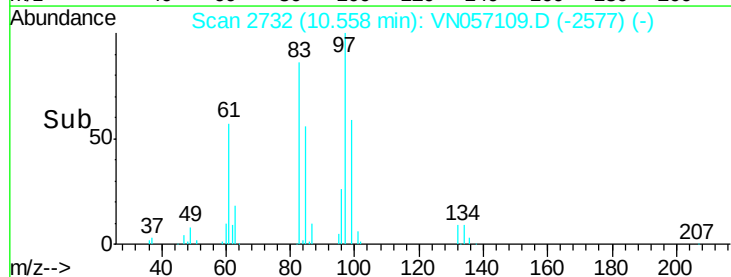
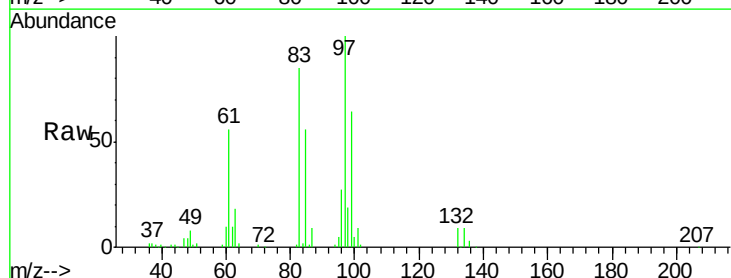
Manual Integrations
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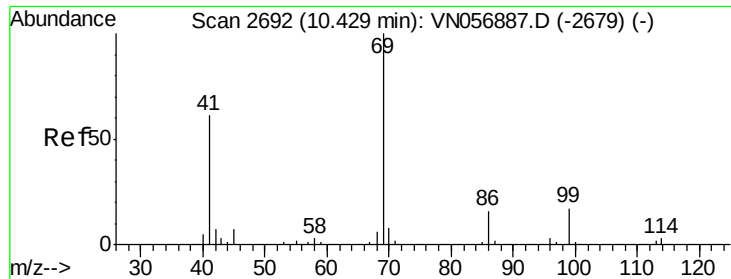
MMdadoda
 8/9/2019 12:51:40 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.859 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.9	68.4	102.6
85	56.5	44.3	66.5
99	63.8	49.4	74.2





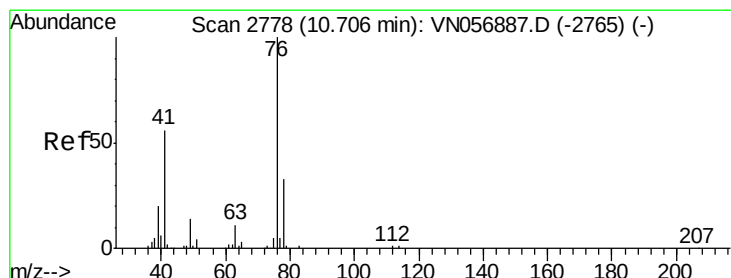
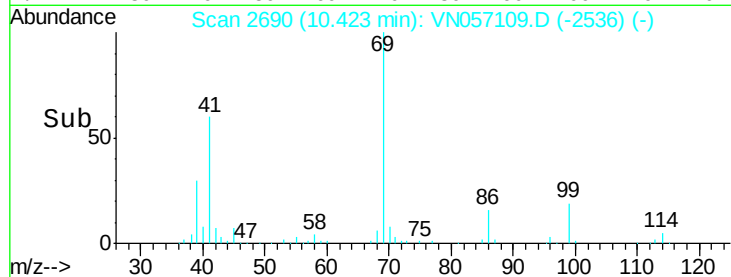
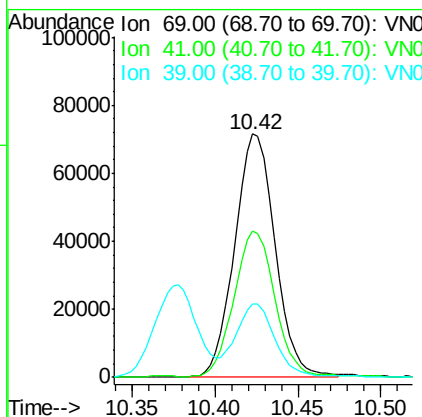
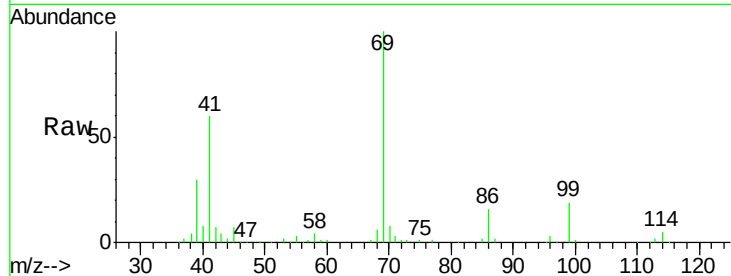
#51
Ethyl methacrylate
Concen: 20.156 ug/l
RT: 10.42 min Scan# 2690
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
69	100	121897		
41	59.7		30.4	91.3
39	29.3		14.2	42.6

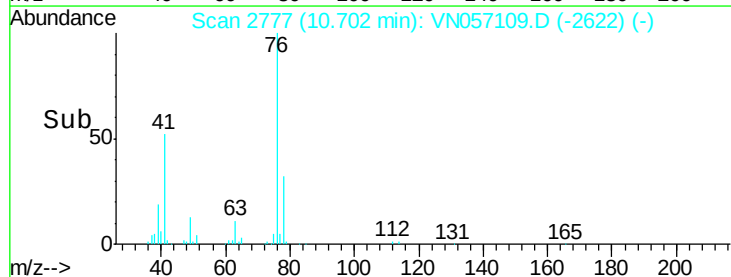
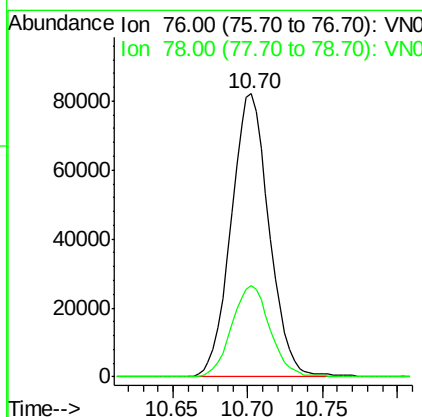
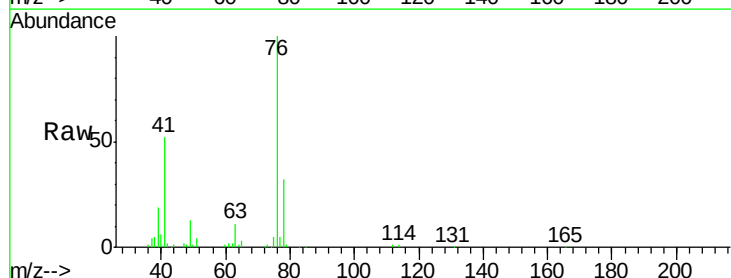
Manual Integrations
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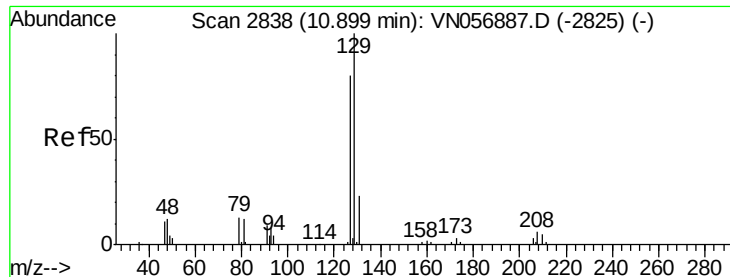
MMDadoda
8/9/2019 12:51:40 AM



#52
1,3-Dichloropropane
Concen: 20.554 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	145039		
78	32.7		0.0	64.2





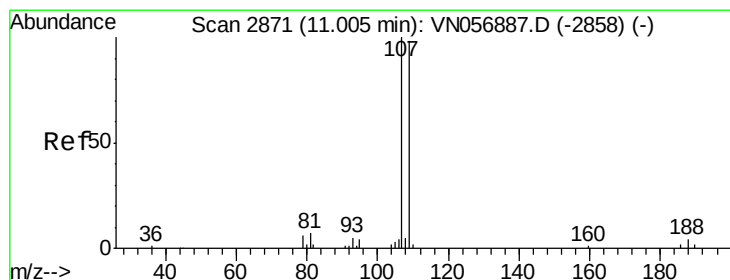
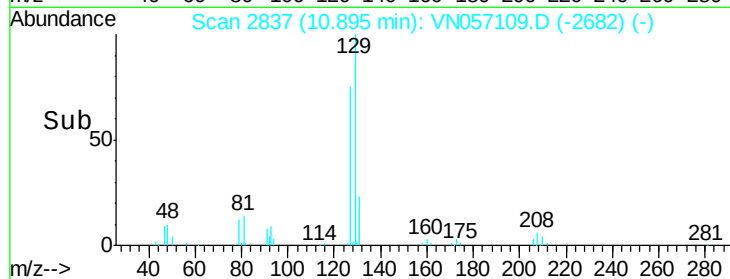
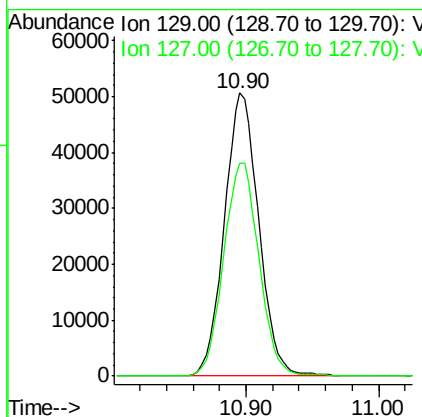
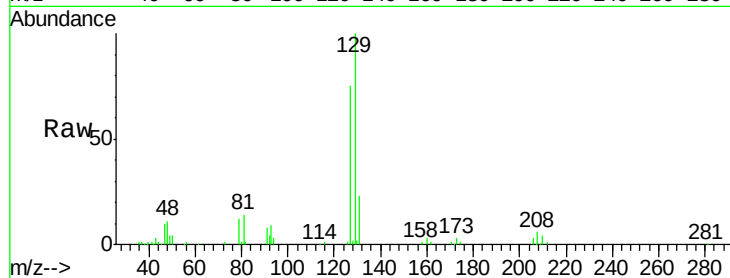
#53
 Dibromochloromethane
 Concen: 20.987 ug/l
 RT: 10.90 min Scan# 2837
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		91212		
127	76.9	38.8	116.4		

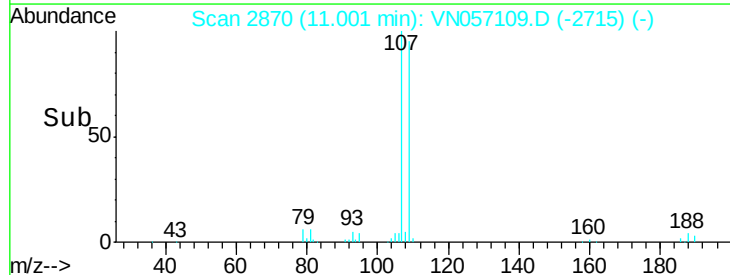
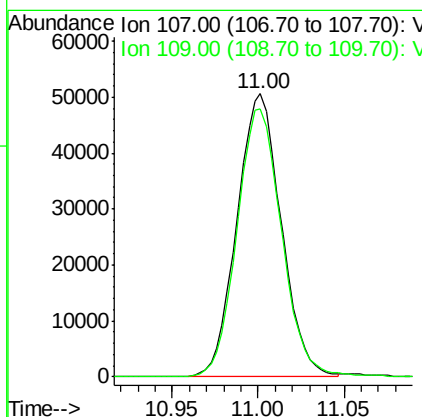
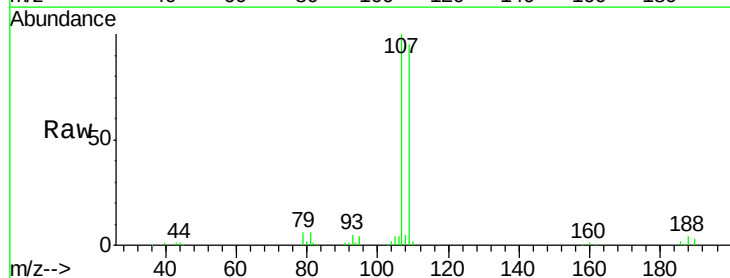
Manual Integrations
 APPROVED

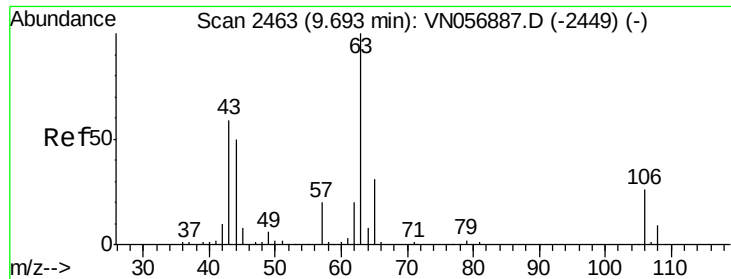
MMdadoda
 8/9/2019 12:51:40 AM



#54
 1,2-Dibromoethane
 Concen: 21.147 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		90204		
109	95.6	76.2	114.2		





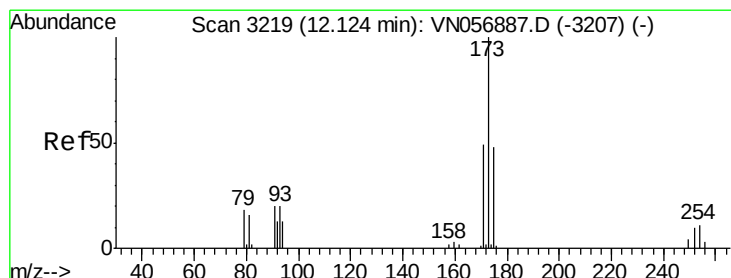
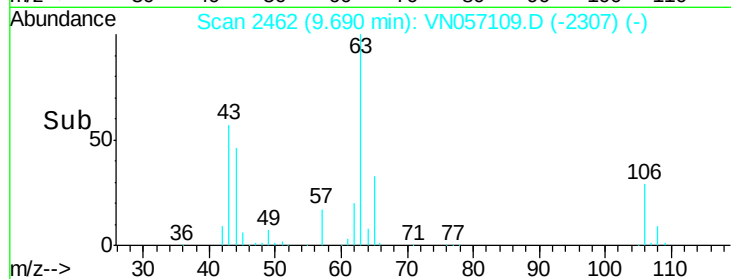
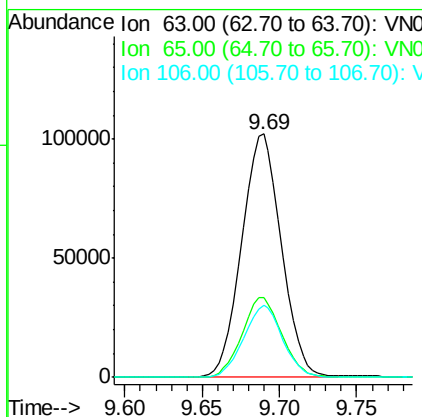
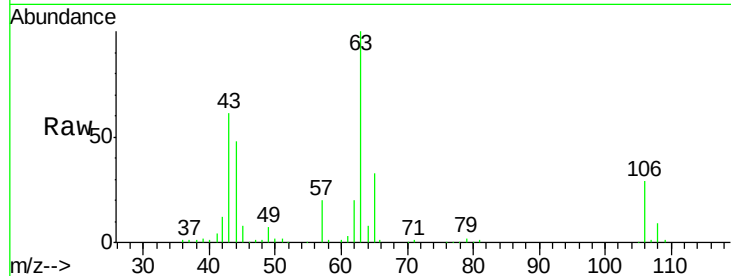
#55
2-Chloroethyl vinyl ether
Concen: 69.566 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	25.1	37.7
106	29.1	21.5	32.3

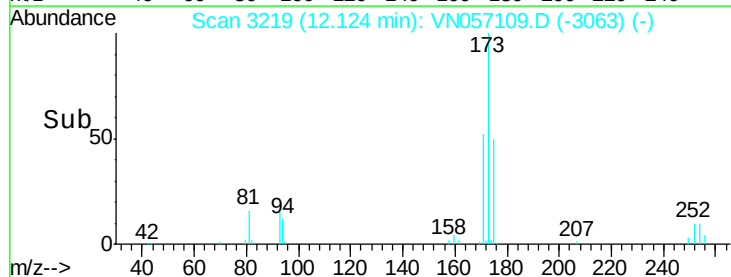
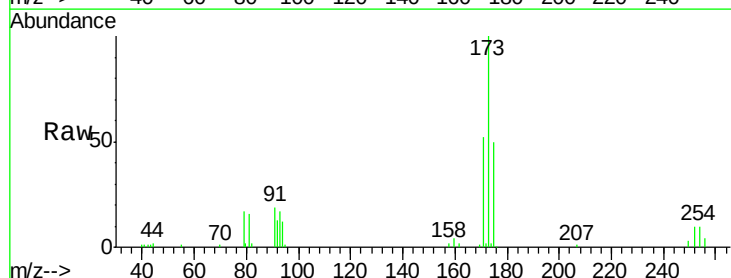
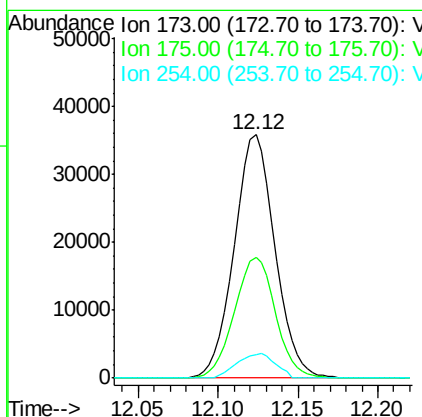
Manual Integrations
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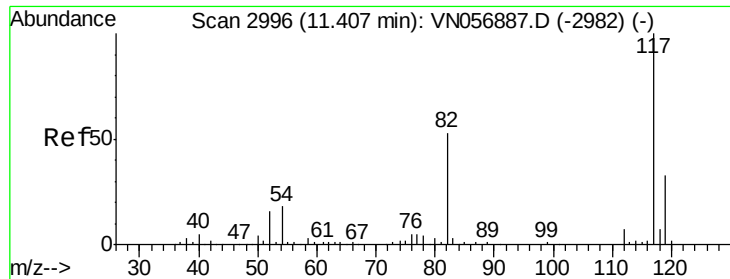
MMDadoda
8/9/2019 12:51:40 AM



#56
Bromoform
Concen: 20.701 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	38.8	58.2
254	9.5	8.1	12.1





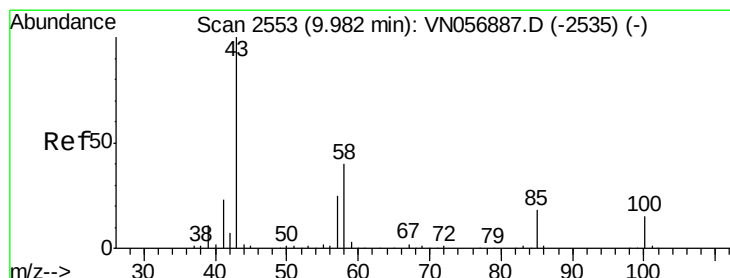
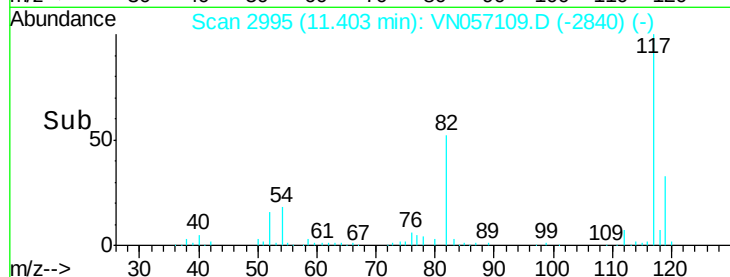
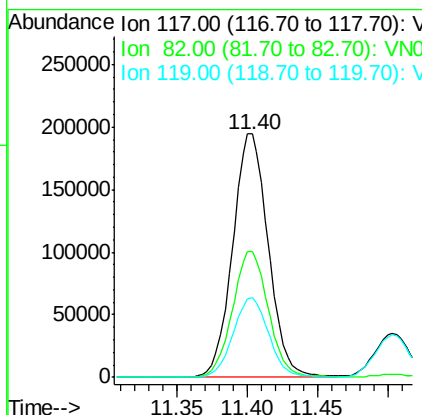
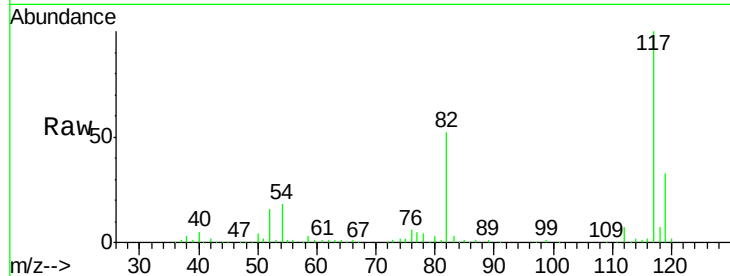
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.0	64.4
119	32.5	26.2	39.2

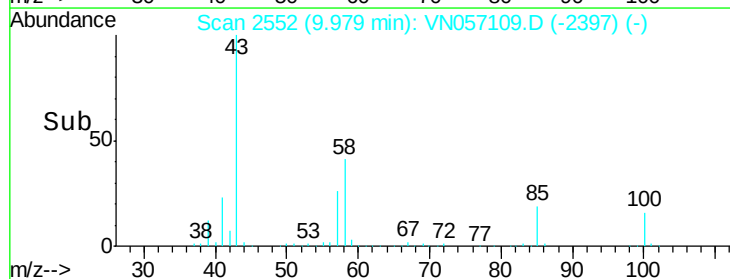
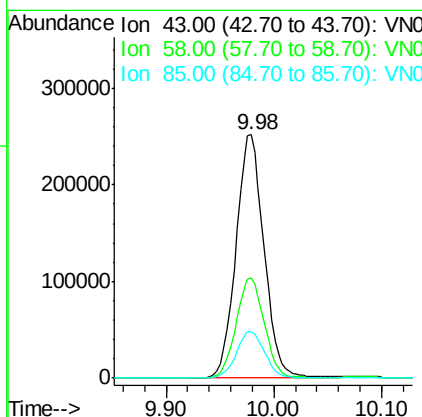
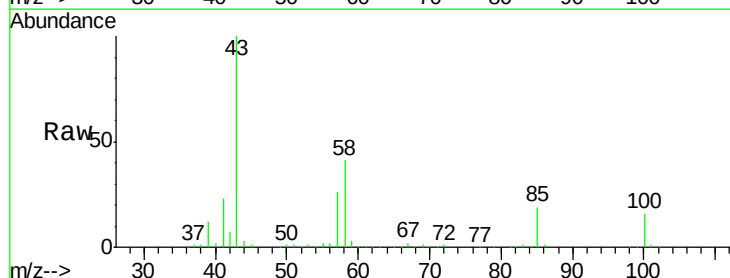
Manual Integrations
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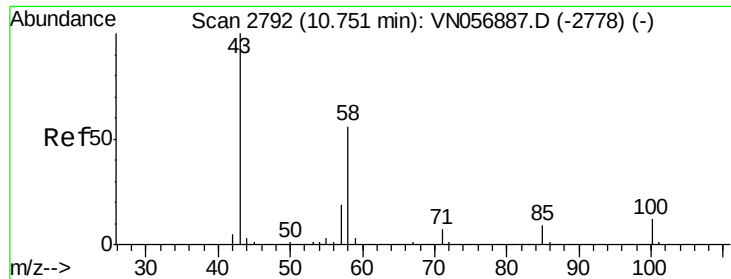
MMdadoda
8/9/2019 12:51:40 AM



#58
4-Methyl-2-Pentanone
Concen: 98.437 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	31.7	47.5
85	19.5	14.5	21.7





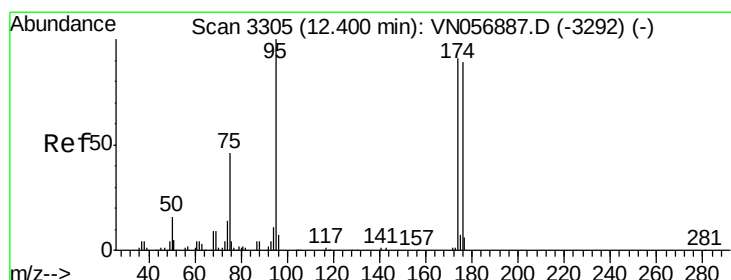
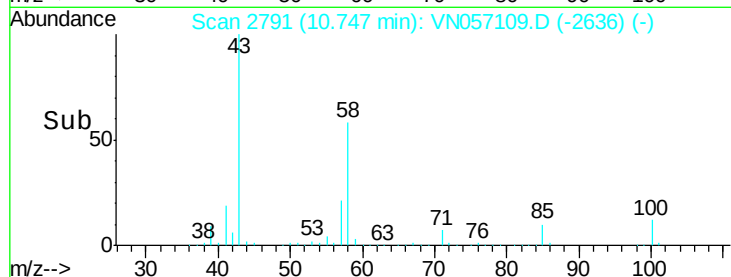
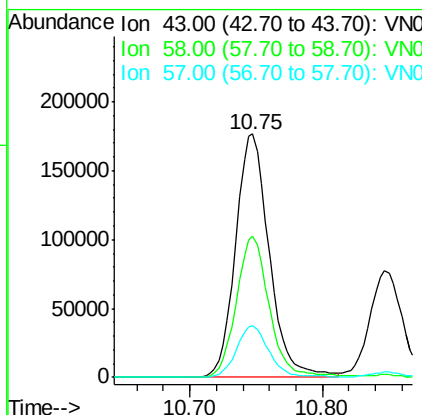
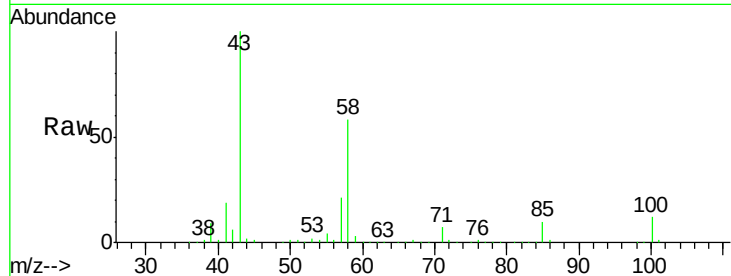
#59
2-Hexanone
Concen: 98.507 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	45.0	67.4
57	20.6	15.4	23.0

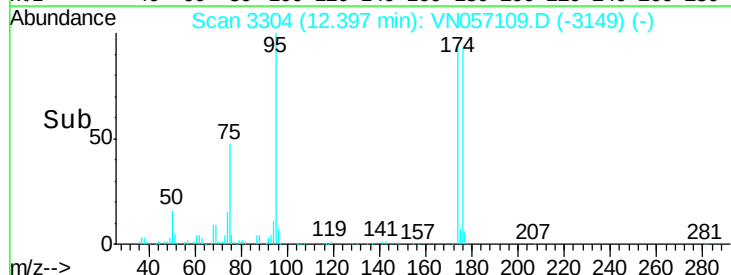
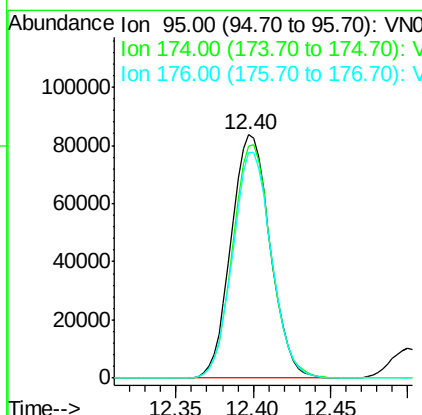
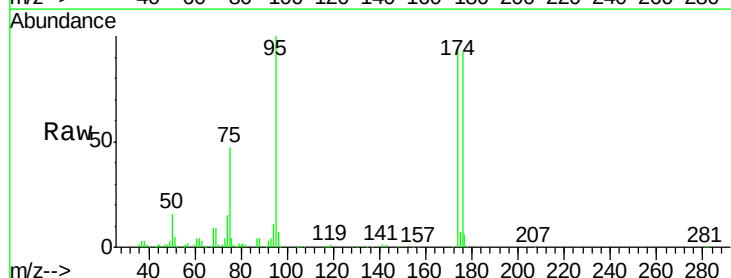
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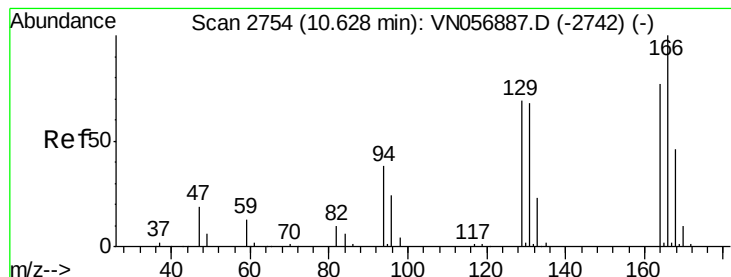
MMdadoda
8/9/2019 12:51:40 AM



#60
4-Bromofluorobenzene
Concen: 28.482 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	71.9	107.9
176	91.8	69.8	104.8





#61

Tetrachloroethene

Concen: 20.522 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 98993

Ion Ratio Lower Upper

164 100

166 129.1 103.9 155.9

129 91.6 72.4 108.6

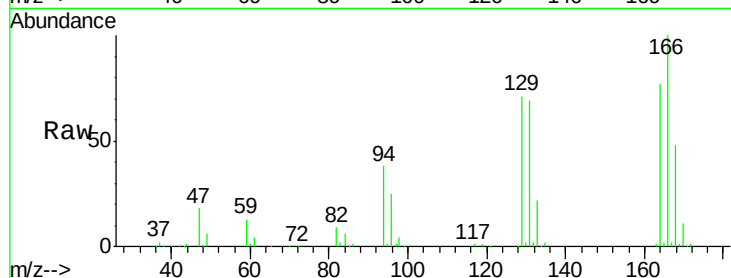
131 89.2 70.3 105.5

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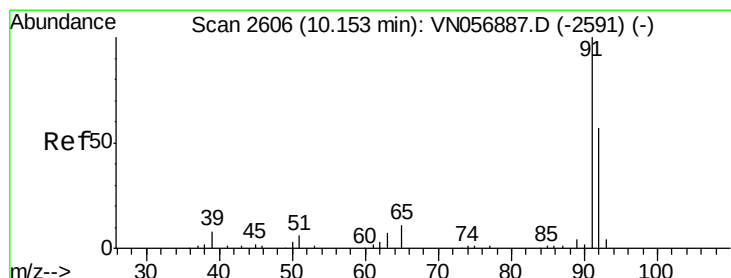
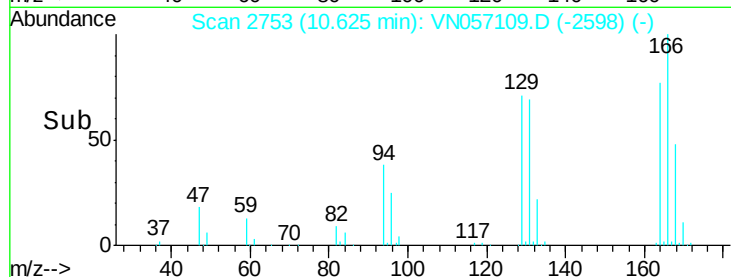
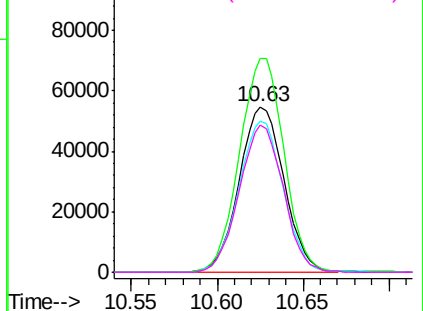


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.034 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057109.D

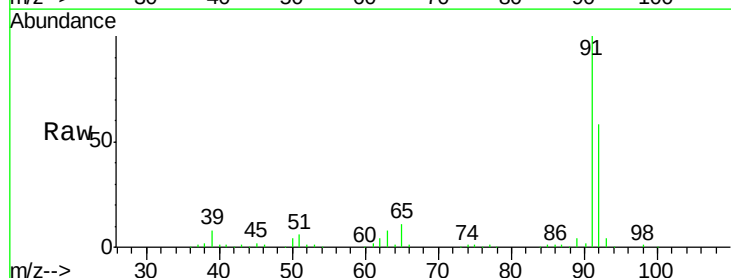
Acq: 6 Aug 2019 17:35

Tgt Ion: 91 Resp: 393755

Ion Ratio Lower Upper

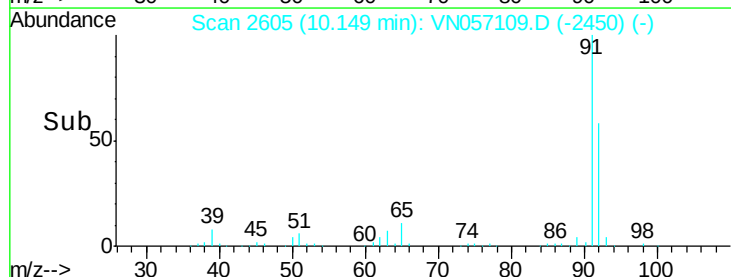
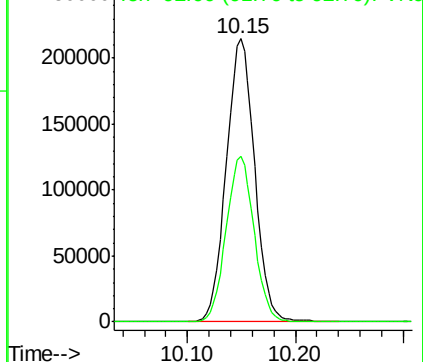
91 100

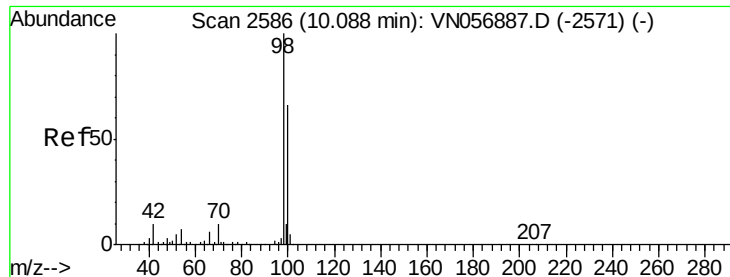
92 57.5 46.1 69.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





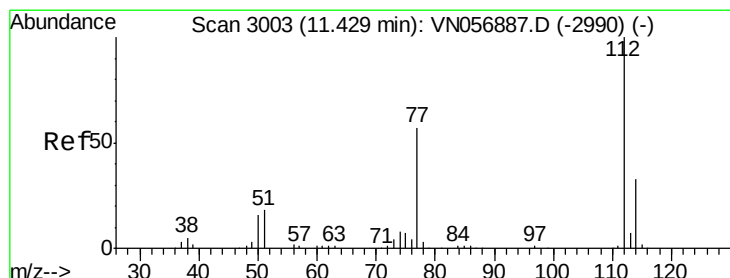
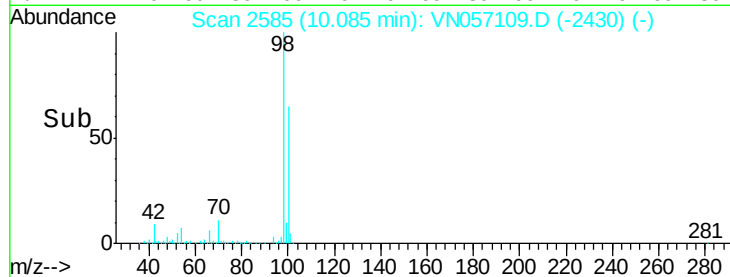
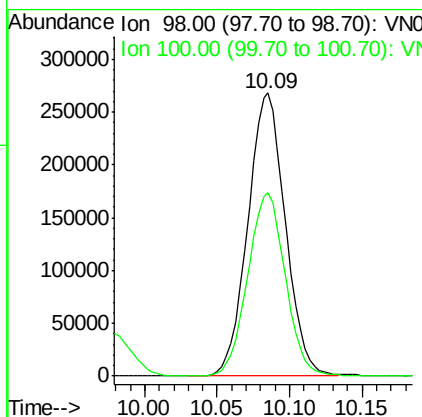
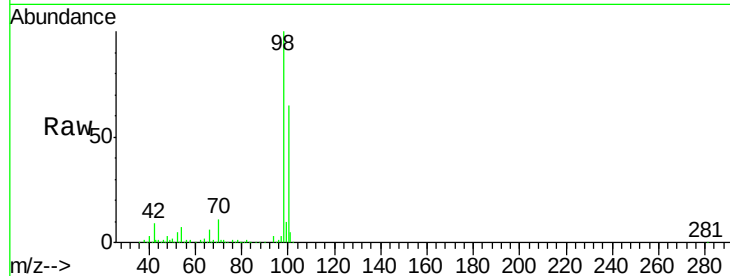
#63
Toluene-d8
Concen: 29.701 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 482896
Ion Ratio Lower Upper
98 100
100 65.1 51.4 77.2

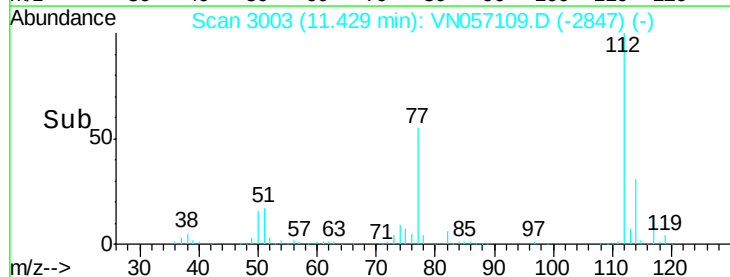
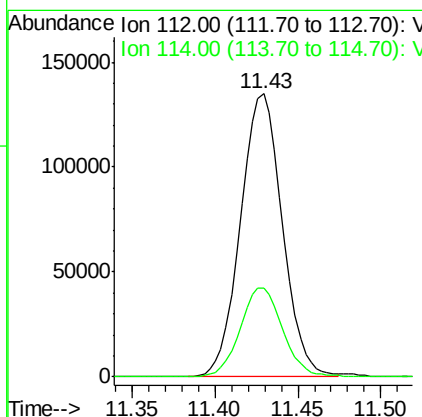
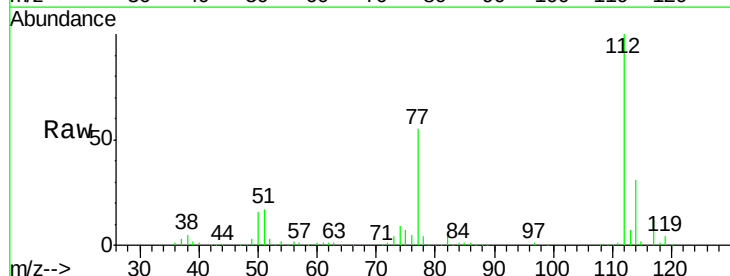
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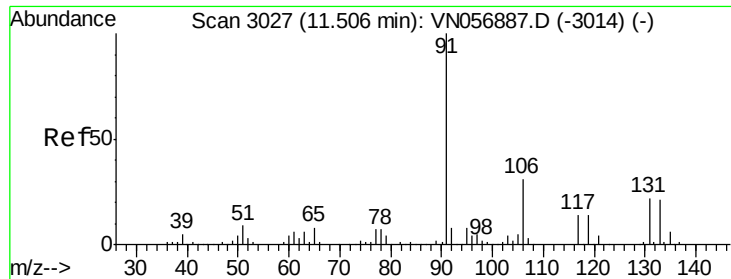
MMdadoda
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#64
Chlorobenzene
Concen: 21.068 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion: 112 Resp: 237564
Ion Ratio Lower Upper
112 100
114 31.4 26.7 40.1





#65

1,1,1,2-Tetrachloroethane

Concen: 21.282 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

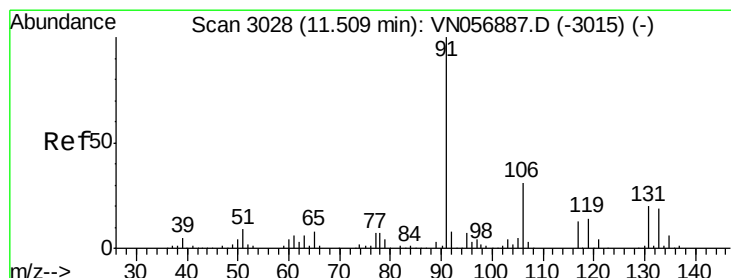
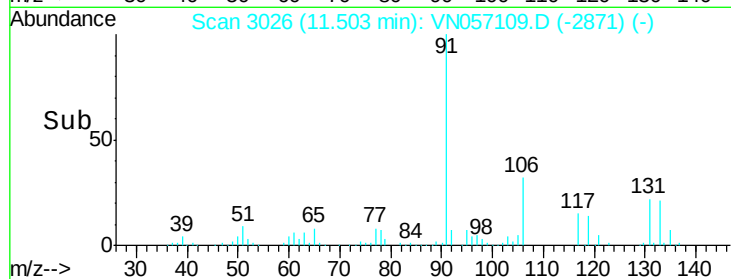
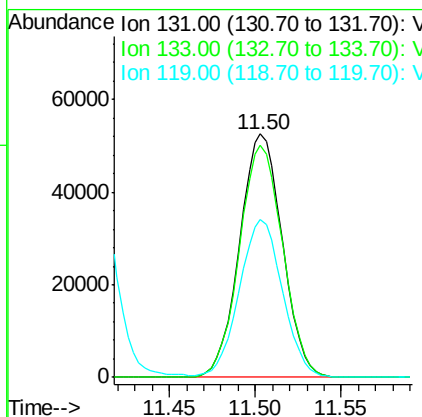
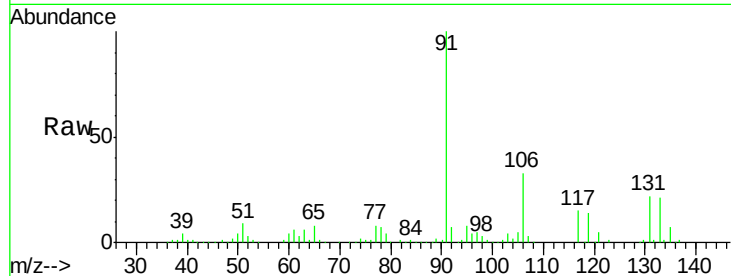
ClientSampled :

VSTDCCC020EC

Tot Ion:	131	Resp:	90892
Ion	Ratio	Lower	Upper
131	100		
133	96.5	0.0	189.6
119	65.4	0.0	133.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 20.843 ug/l

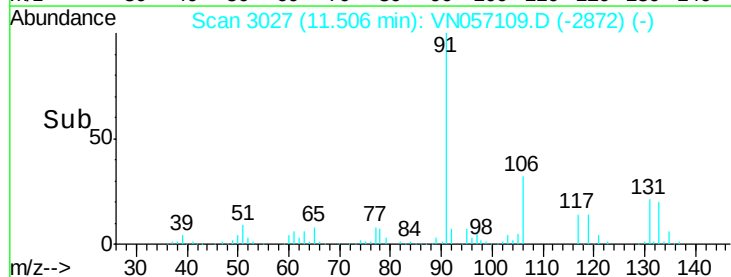
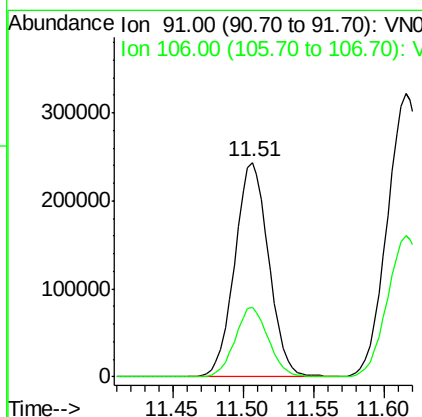
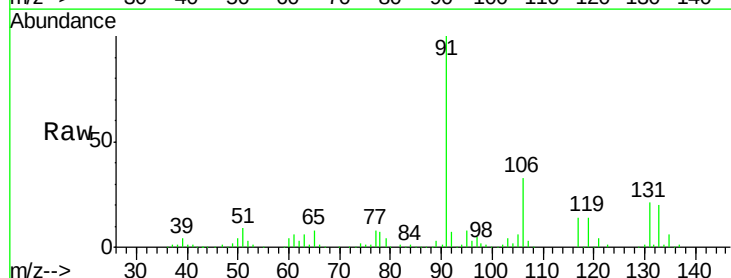
RT: 11.51 min Scan# 3027

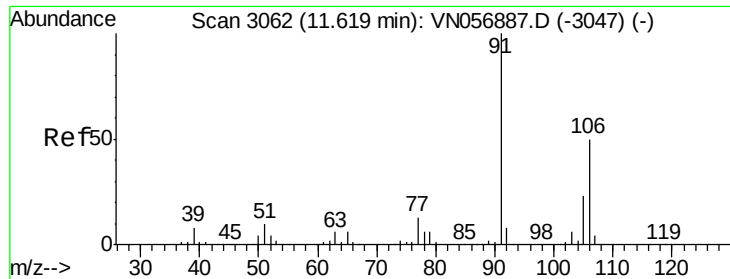
Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	91	Resp:	411159
Ion	Ratio	Lower	Upper
91	100		
106	32.6	24.9	37.3





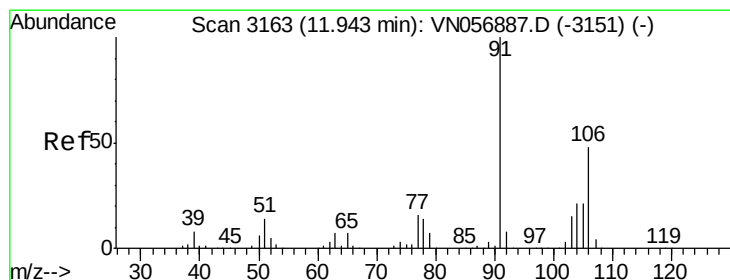
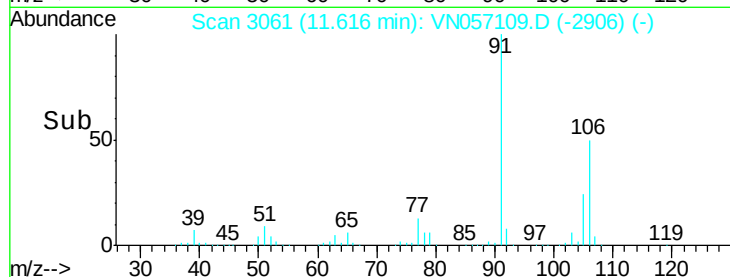
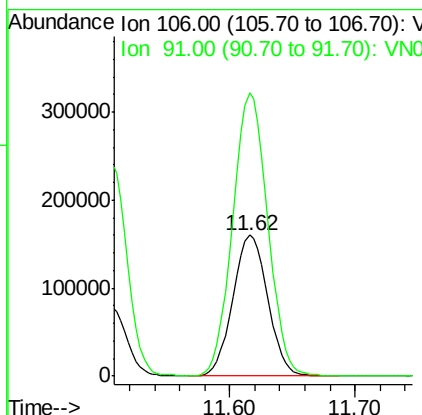
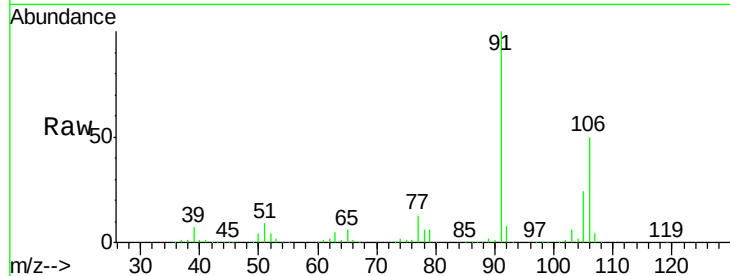
#67
m/p-Xylenes
Concen: 42.175 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
310234	106	100		
	91	201.1	160.6	240.8

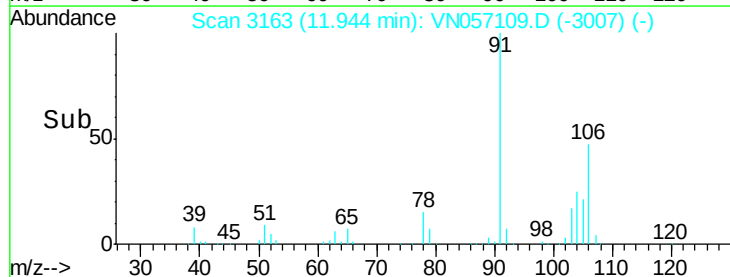
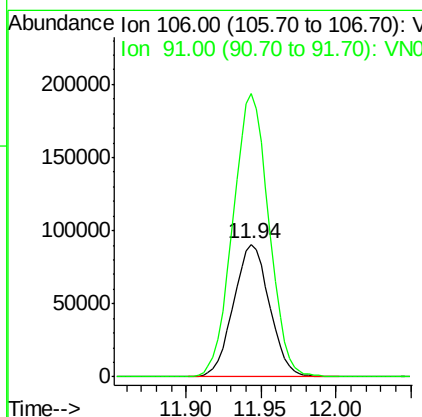
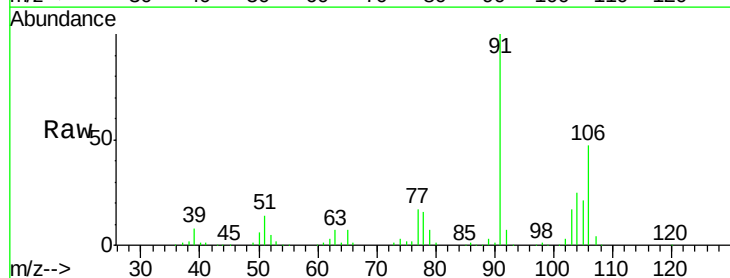
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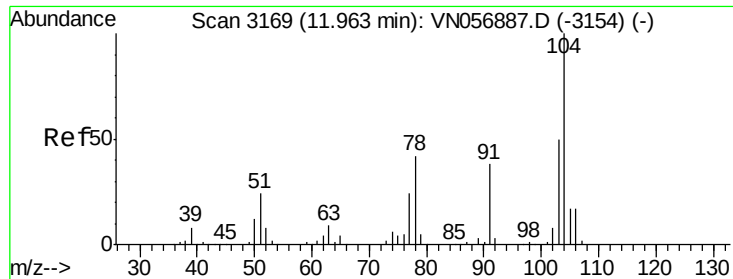
MMdadoda
8/9/2019 12:51:40 AM



#68
o-Xylene
Concen: 21.034 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
152122	106	100		
	91	212.9	106.2	318.6





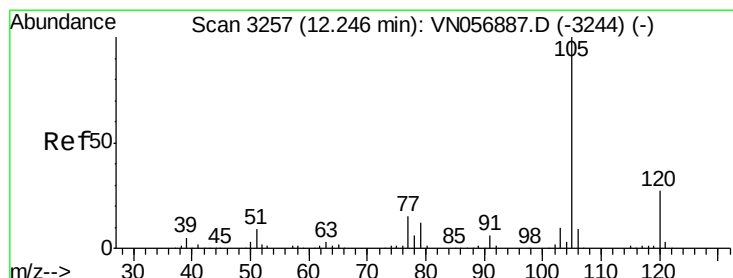
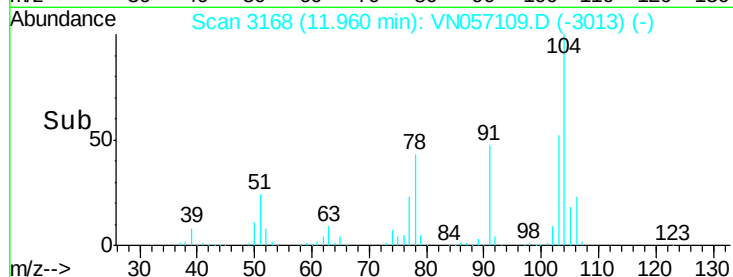
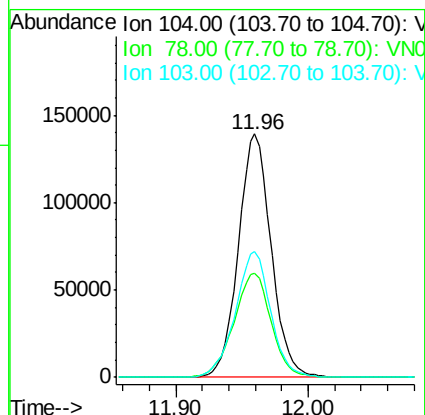
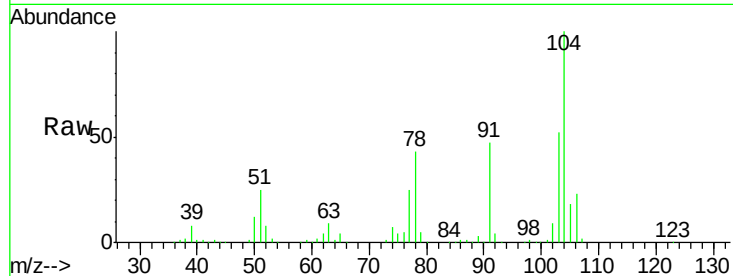
#69
Stvrene
Concen: 20.398 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.8	38.5	57.7
103	55.6	44.7	67.1

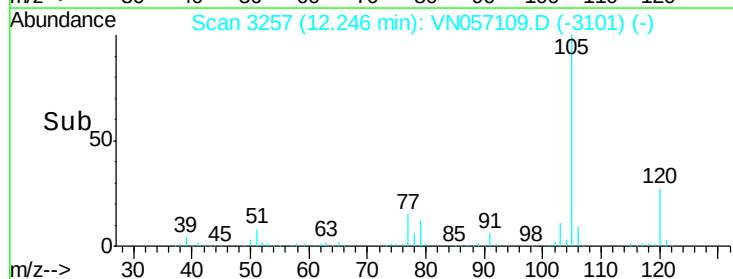
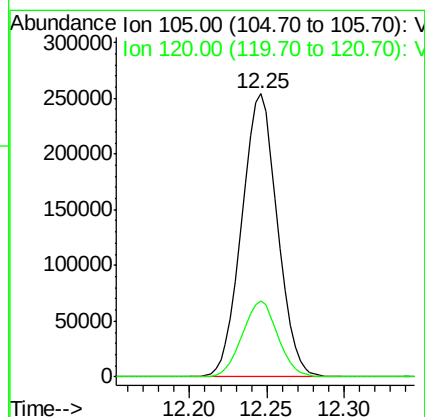
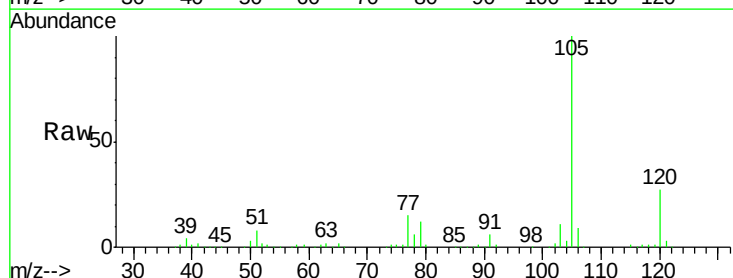
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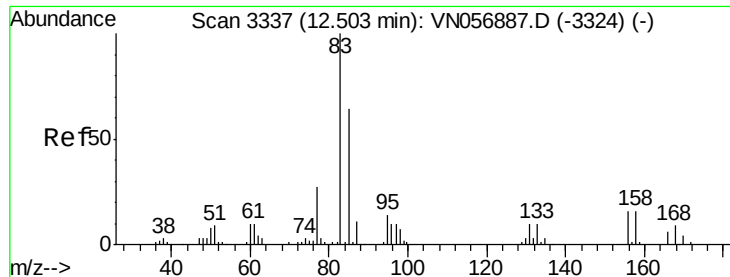
MMDadoda
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#70
Isopropylbenzene
Concen: 21.391 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.7	34.7





#71

1,1,2,2-Tetrachloroethane

Concen: 21.356 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

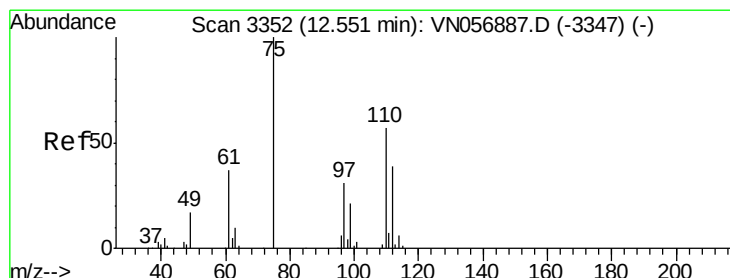
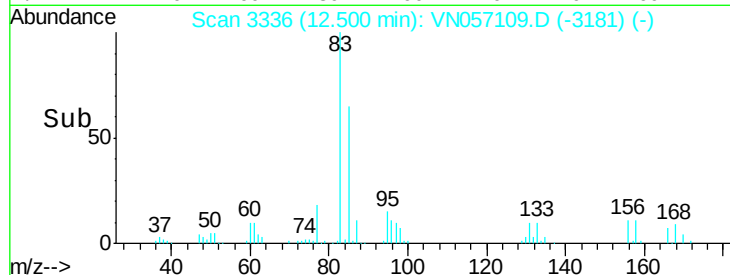
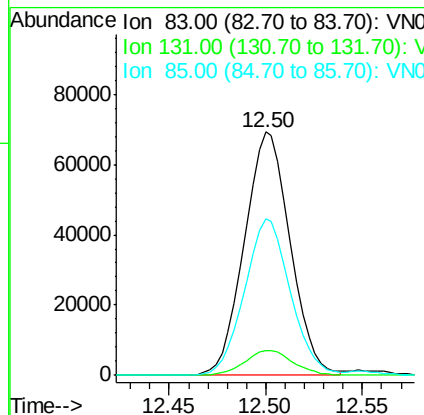
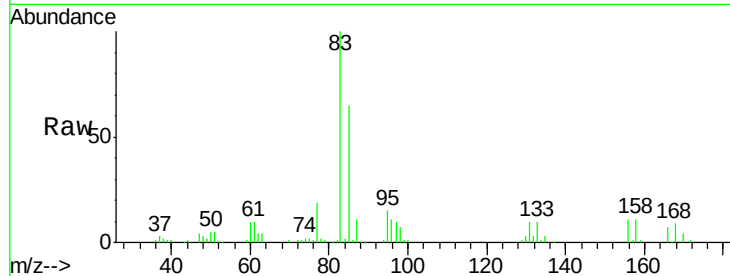
ClientSampleId :

VSTDCCC020EC

Tot Ion:	83	Resp:	113905
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.1	15.2
85	64.5	31.8	95.4

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#72

1,2,3-Trichloropropane

Concen: 21.087 ug/l m

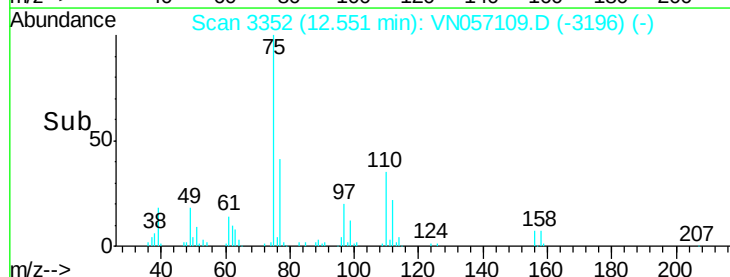
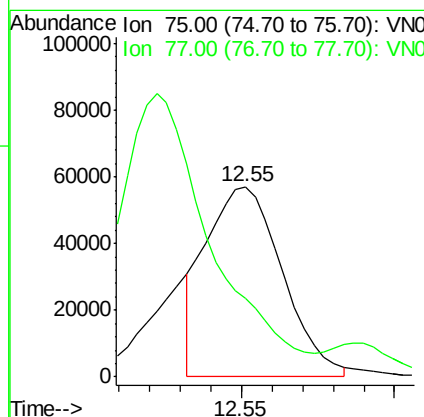
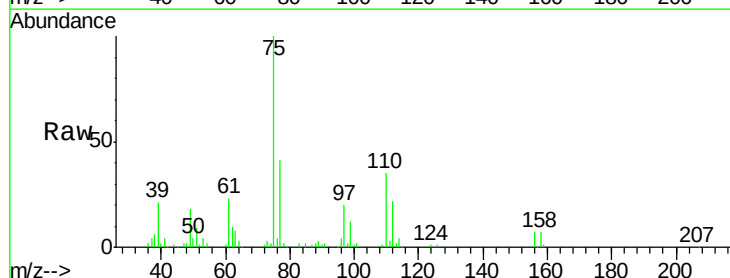
RT: 12.55 min Scan# 3352

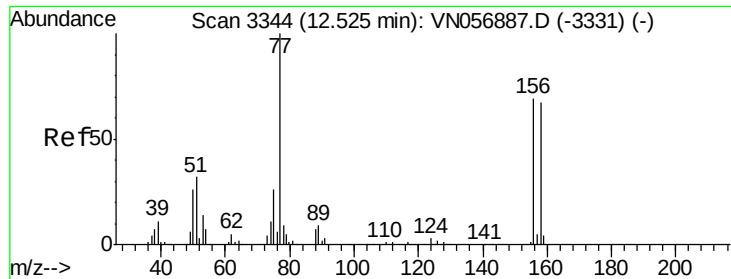
Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	75	Resp:	98959
Ion Ratio	Lower	Upper	
75	100		
77	182.9	0.0	378.6





#73

Bromobenzene

Concen: 20.790 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

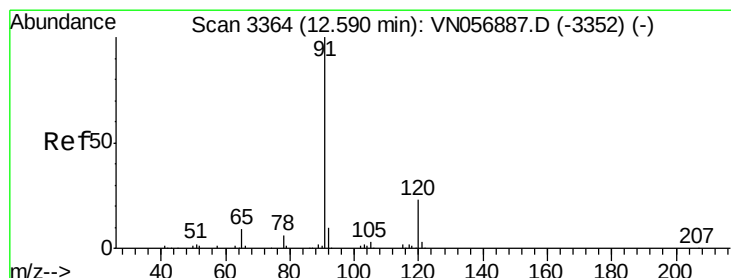
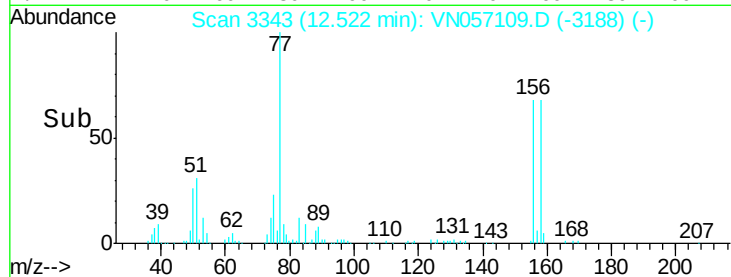
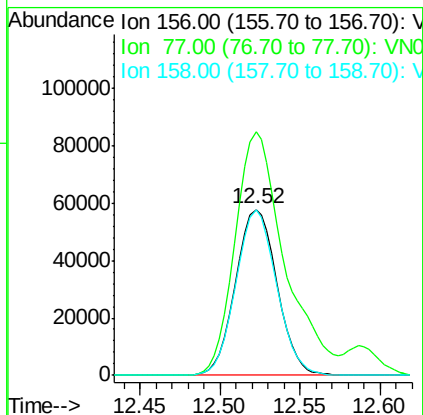
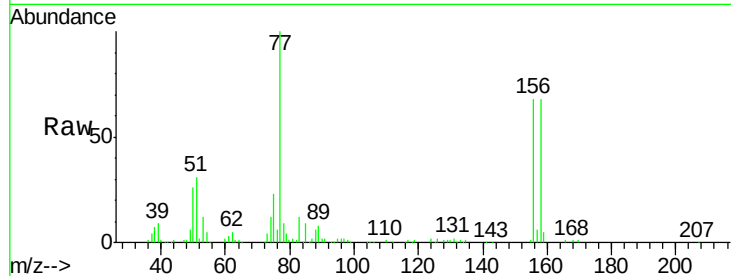
ClientSampleId :

VSTDCCC020EC

Tot Ion:	156	Resp:	102160
Ion Ratio	Lower	Upper	
156	100		
77	177.1	0.0	364.6
158	97.9	0.0	196.2

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#74

n-propylbenzene

Concen: 20.209 ug/l

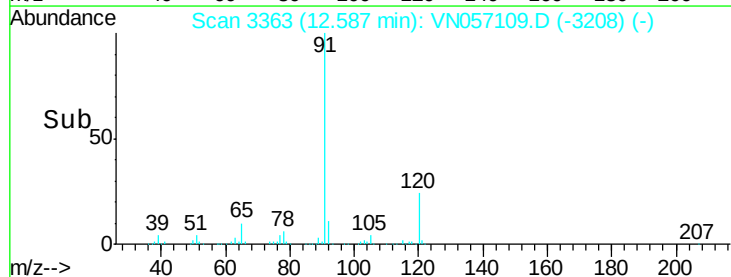
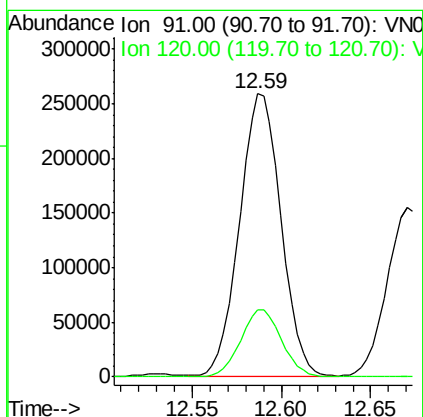
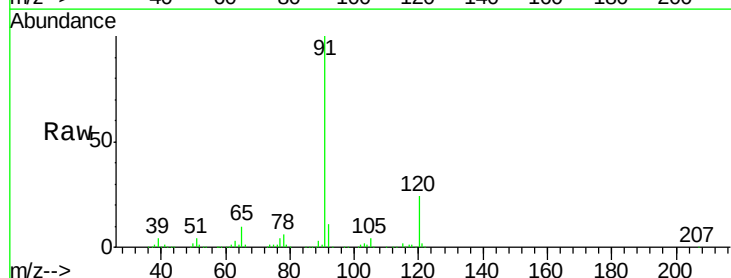
RT: 12.59 min Scan# 3363

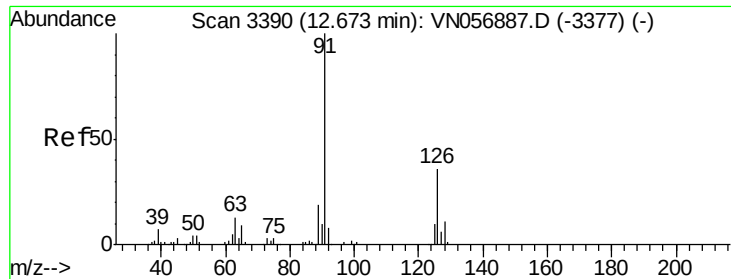
Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	91	Resp:	420780
Ion Ratio	Lower	Upper	
91	100		
120	23.5	0.0	46.4





#75

2-Chlorotoluene

Concen: 20.770 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion: 91 Resp: 262187

Ion Ratio Lower Upper

91 100

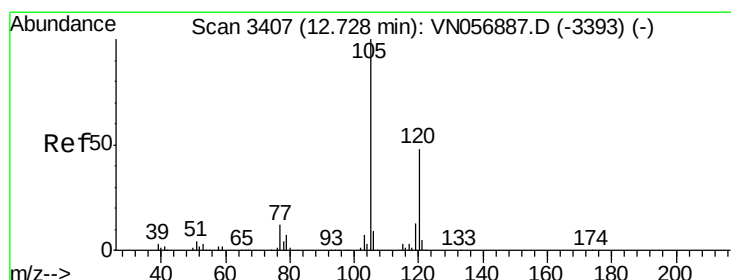
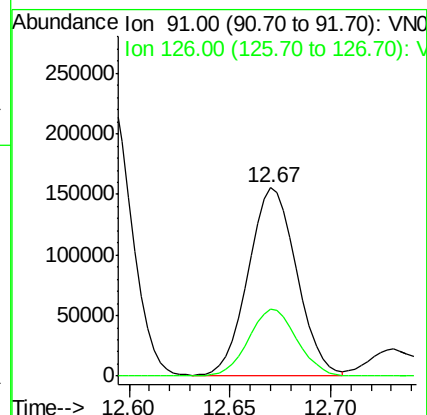
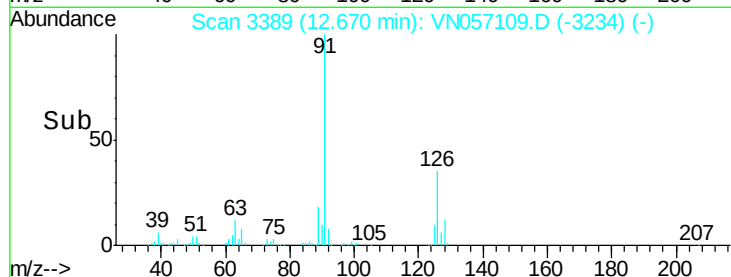
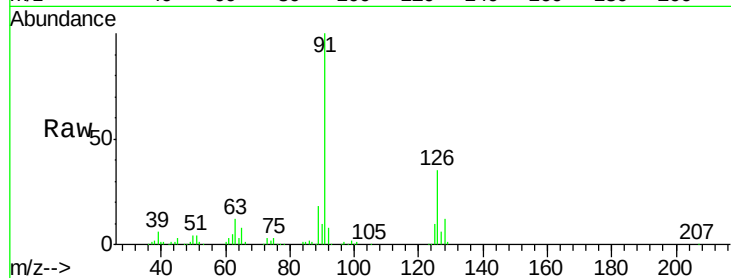
126 35.4 0.0 70.8

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#76

1,3,5-Trimethylbenzene

Concen: 21.038 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057109.D

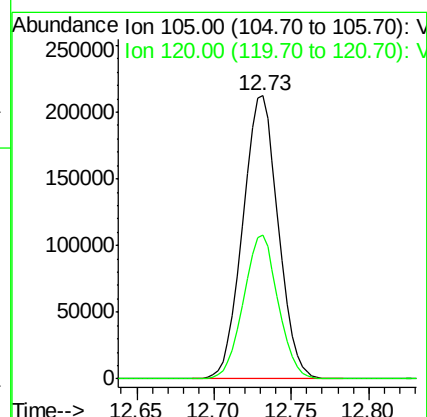
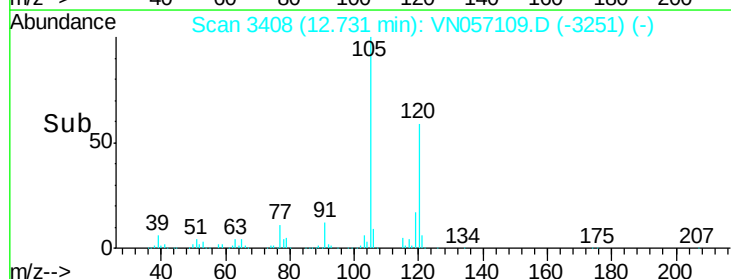
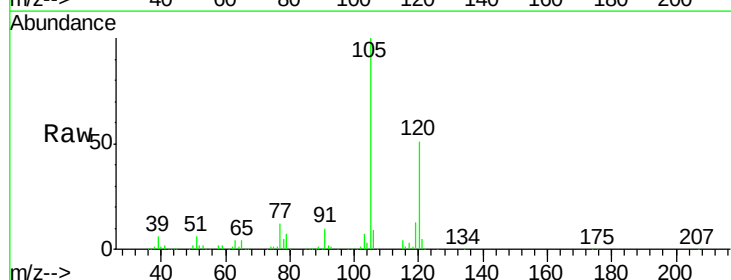
Acq: 6 Aug 2019 17:35

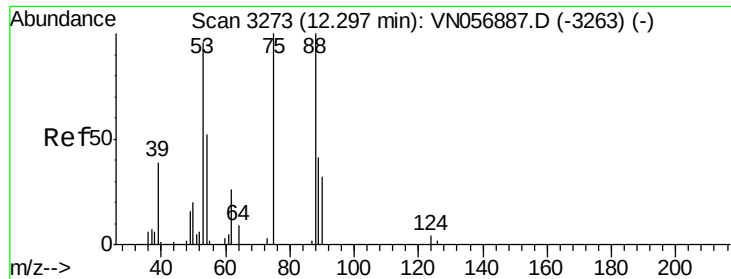
Tgt Ion: 105 Resp: 337270

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.2





#77

t-1,4-Dichloro-2-butene

Concen: 19.282 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

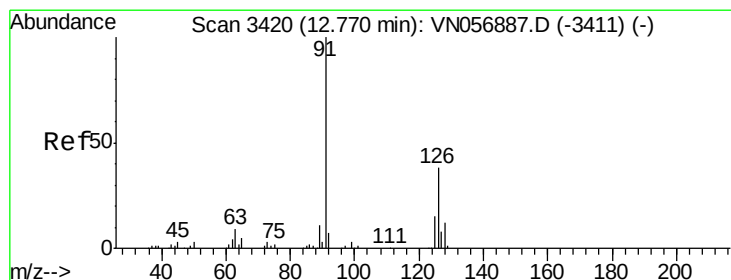
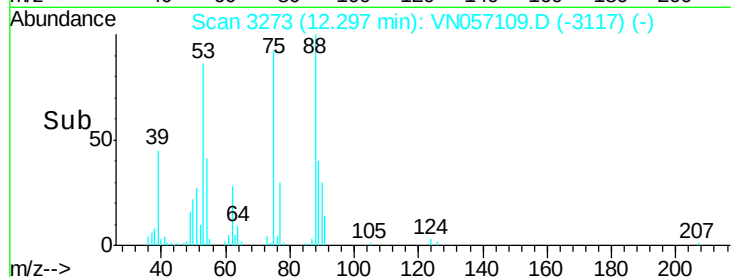
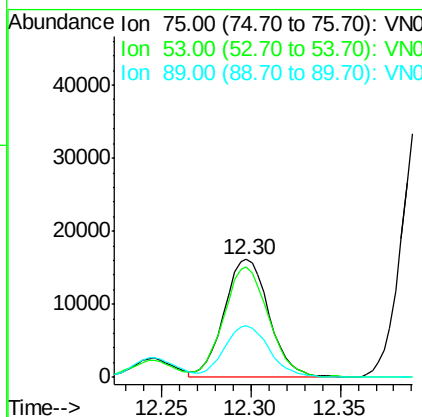
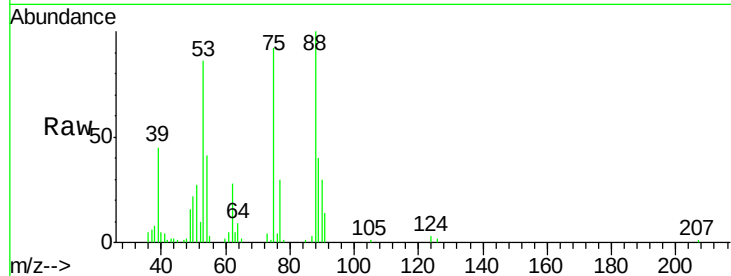
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	28411
Ion	Ratio	Lower	Upper
75	100		
53	93.0	48.0	144.0
89	43.3	21.4	64.3

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#78

4-Chlorotoluene

Concen: 20.120 ug/l

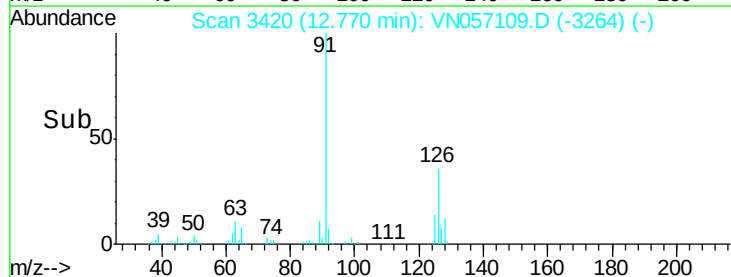
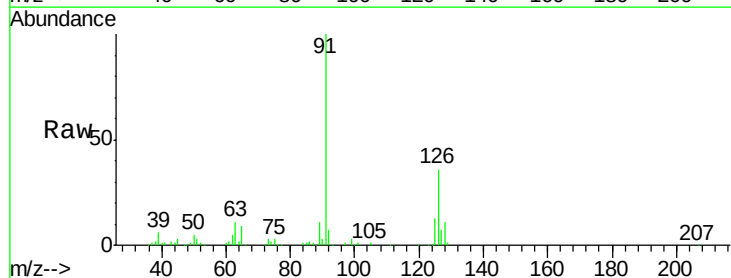
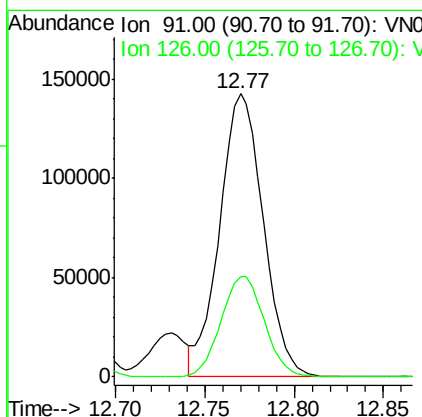
RT: 12.77 min Scan# 3420

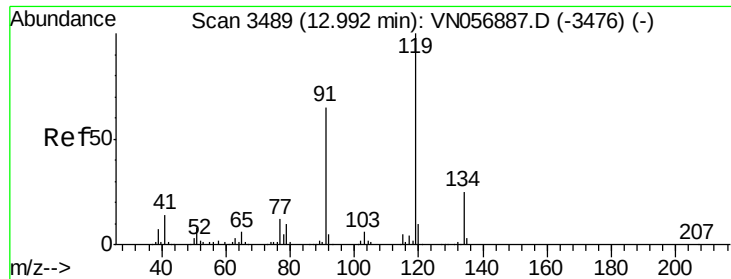
Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	91	Resp:	241428
Ion	Ratio	Lower	Upper
91	100		
126	35.4	0.0	69.6





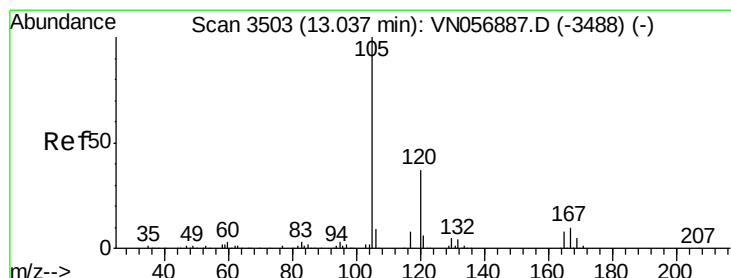
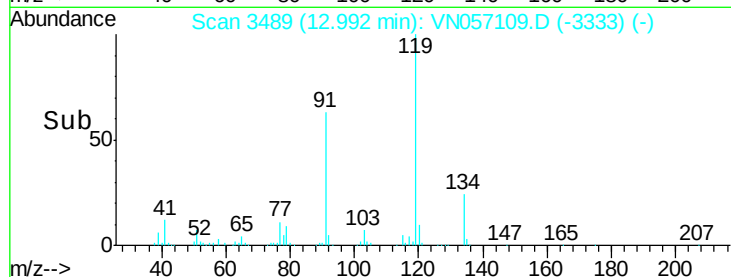
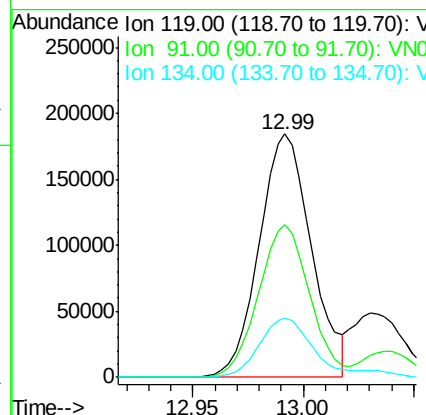
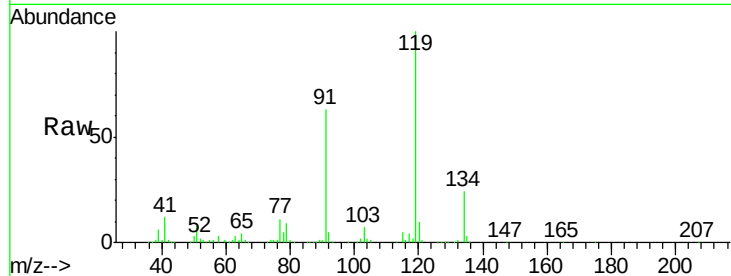
#79
tert-butylbenzene
Concen: 21.887 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	302782		
91	61.8	0.0	126.8	
134	26.3	0.0	48.8	

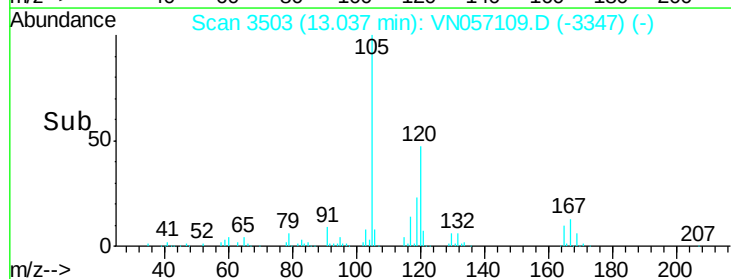
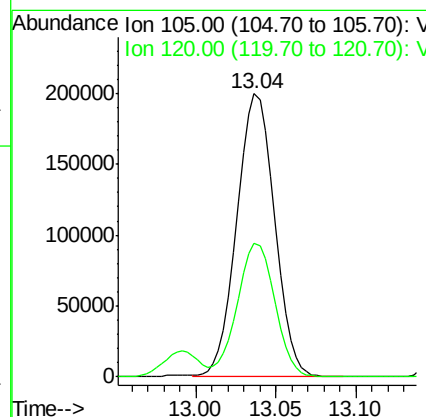
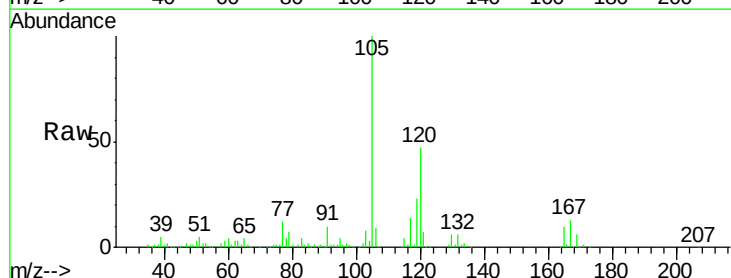
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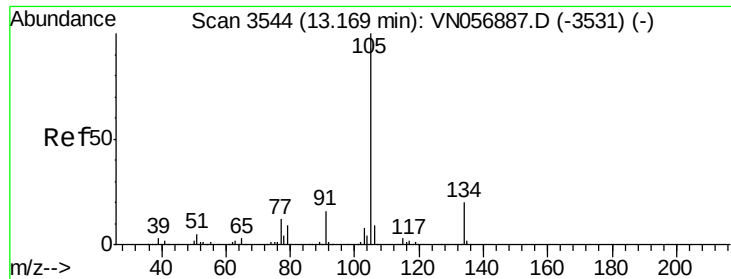
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#80
1,2,4-Trimethylbenzene
Concen: 20.513 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	320583		
120	47.2	0.0	90.6	





#81

sec-Butylbenzene

Concen: 20.838 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020EC

Tot Ion:105 Resp: 376362

Ion Ratio Lower Upper

105 100

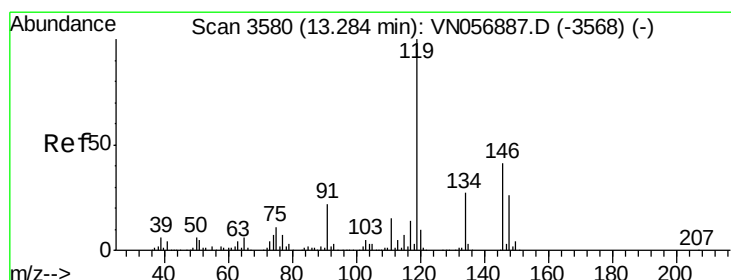
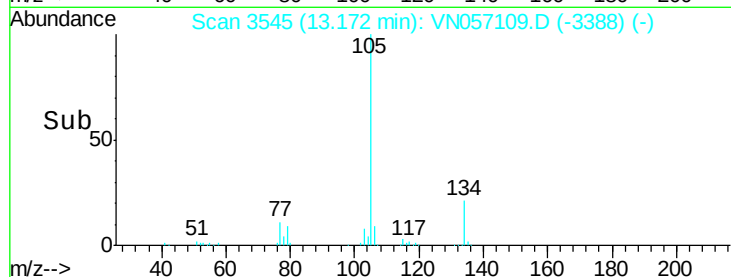
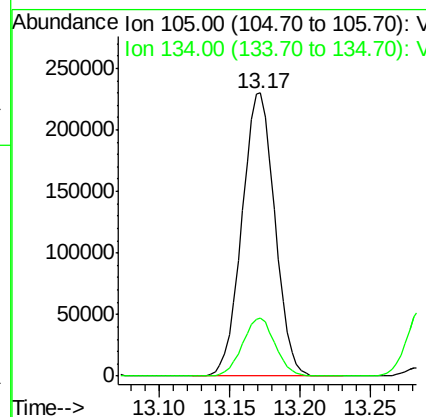
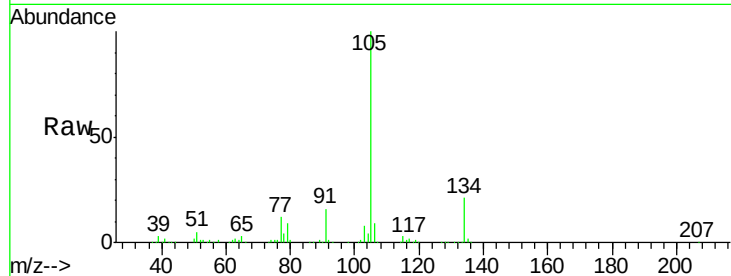
134 20.3 0.0 41.2

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#82

p-Isopropyltoluene

Concen: 20.821 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

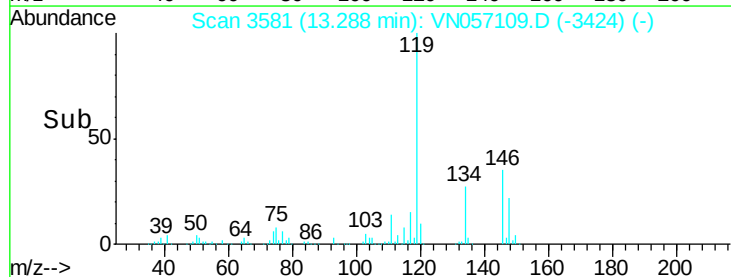
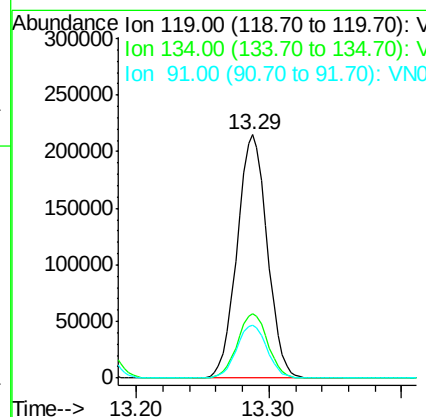
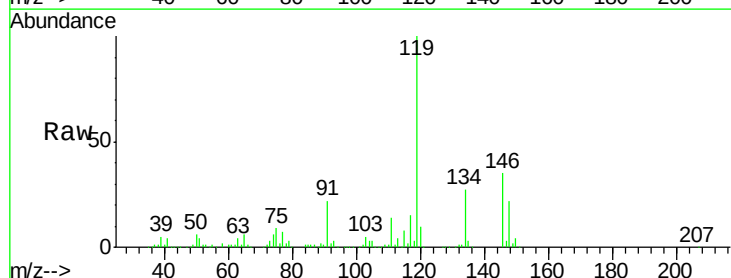
Tgt Ion:119 Resp: 337735

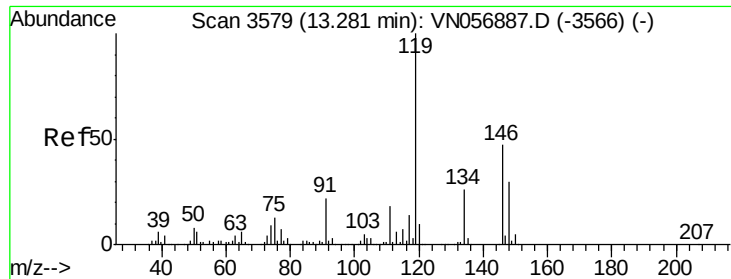
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

91 22.0 0.0 44.0





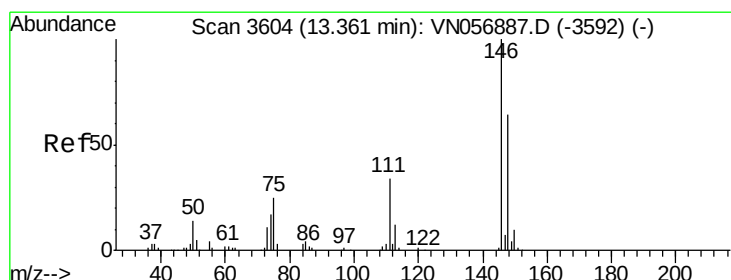
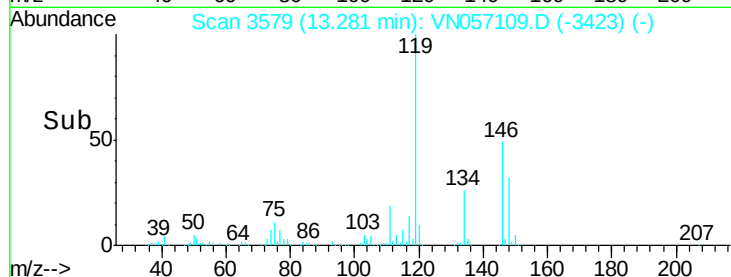
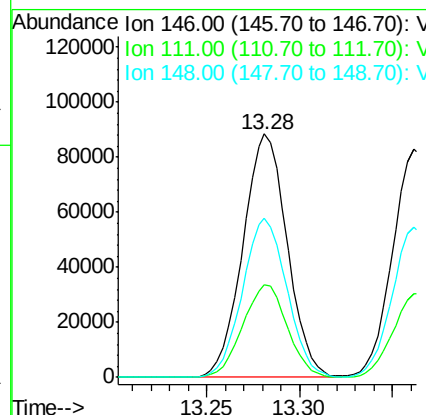
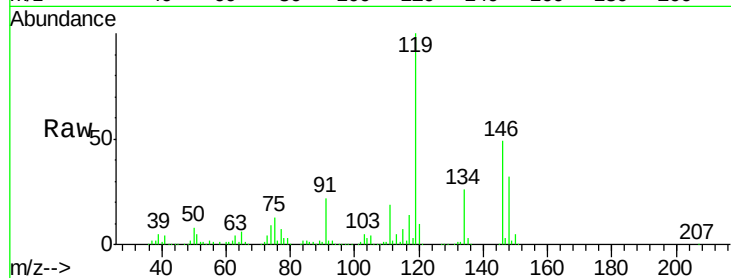
#83
 1,3-Dichlorobenzene
 Concen: 19.010 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.4
148	65.4	31.7	95.1

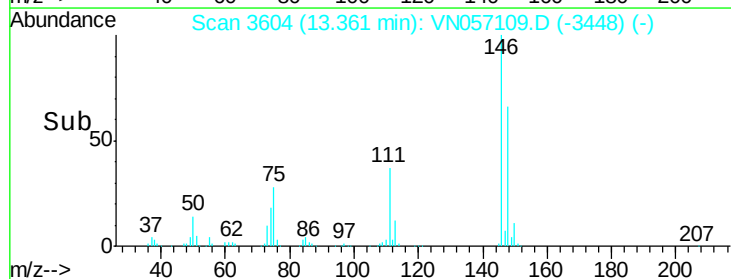
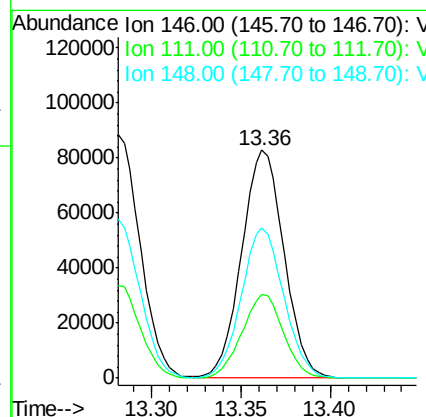
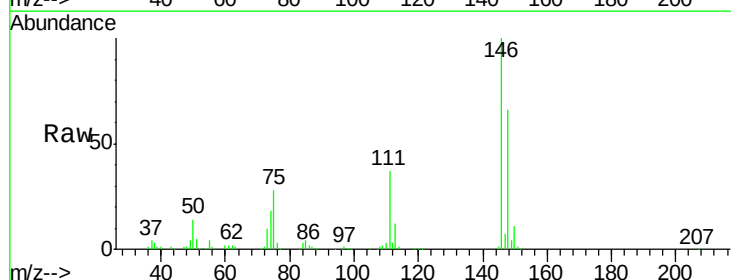
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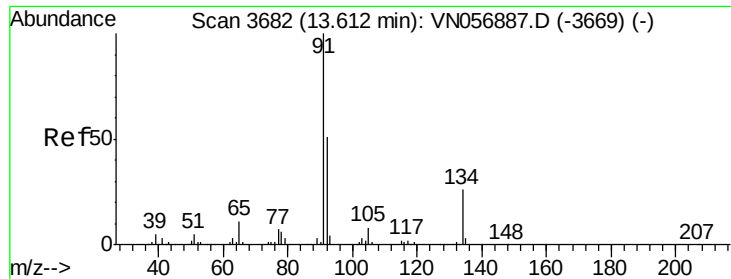
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#84
 1,4-Dichlorobenzene
 Concen: 18.716 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.8	53.5
148	66.5	32.6	97.7





#85

n-Butylbenzene

Concen: 18.341 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

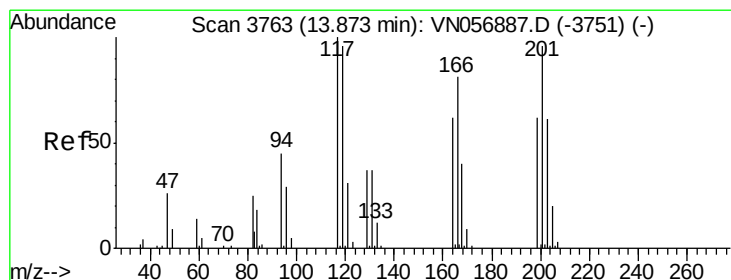
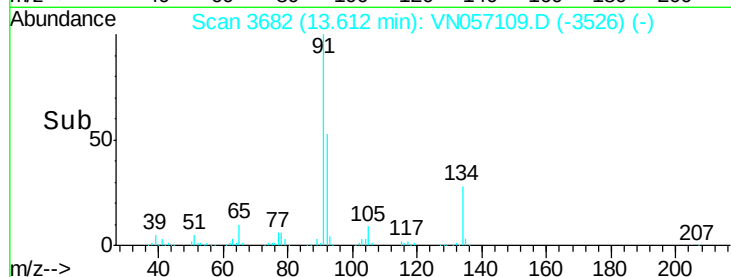
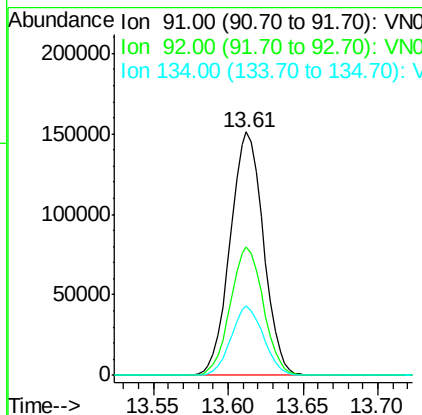
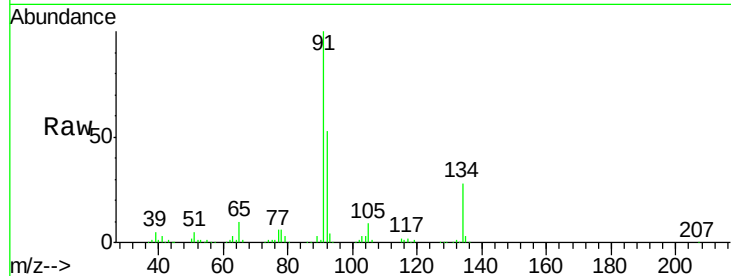
ClientSampleId :

VSTDCCC020EC

Tot Ion:	91	Resp:	233607
Ion	Ratio	Lower	Upper
91	100		
92	52.4	0.0	101.8
134	27.7	0.0	52.4

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#86

Hexachloroethane

Concen: 20.728 ug/l

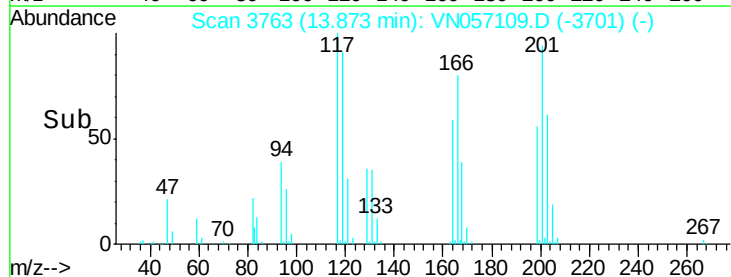
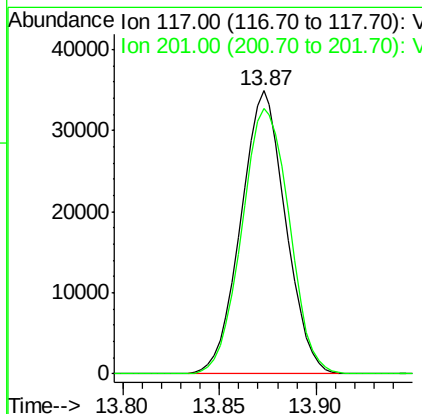
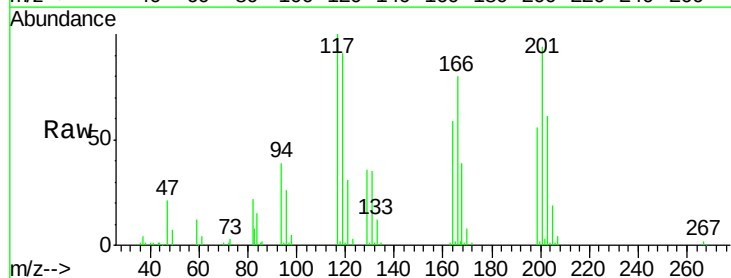
RT: 13.87 min Scan# 3763

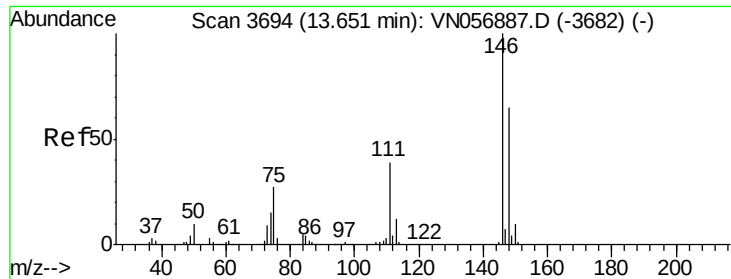
Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	117	Resp:	56269
Ion	Ratio	Lower	Upper
117	100		
201	99.4	47.8	143.3





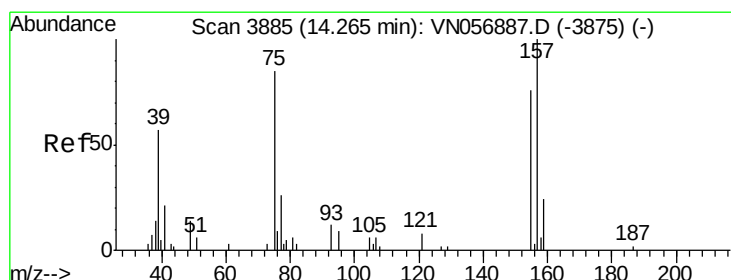
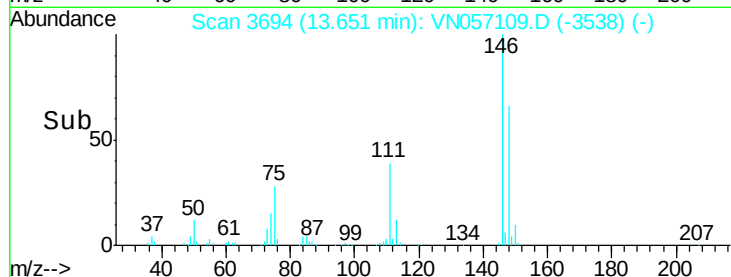
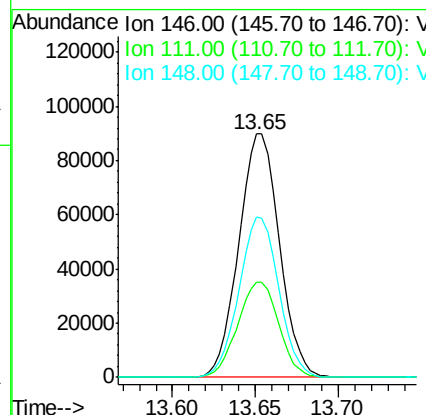
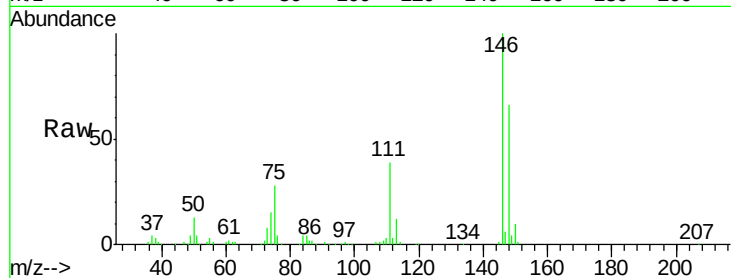
#87
 1,2-Dichlorobenzene
 Concen: 19.913 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.8
148	64.3	32.5	97.5

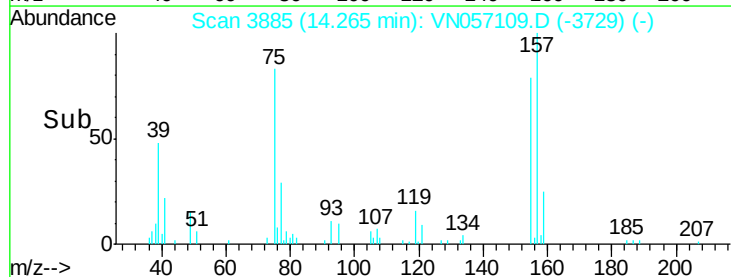
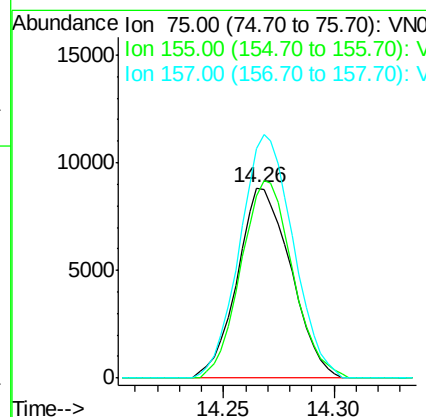
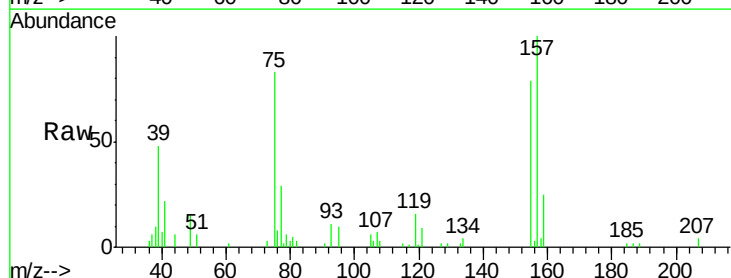
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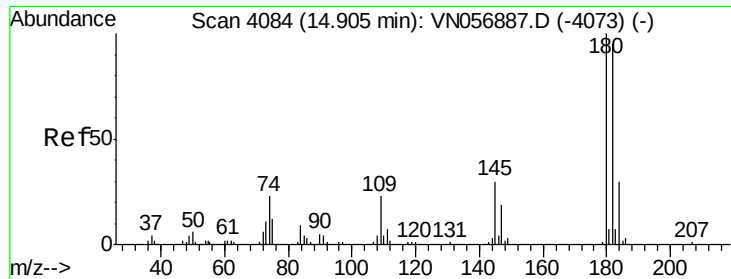
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.054 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN057109.D
 Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.6	73.4	110.2
157	127.4	95.0	142.6





#89

1,2,4-Trichlorobenzene

Concen: 17.127 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Instrument :

MSVOA_N

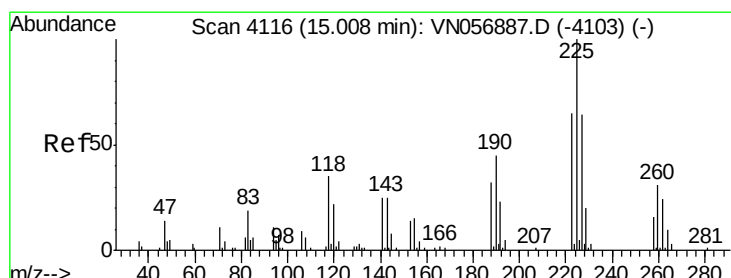
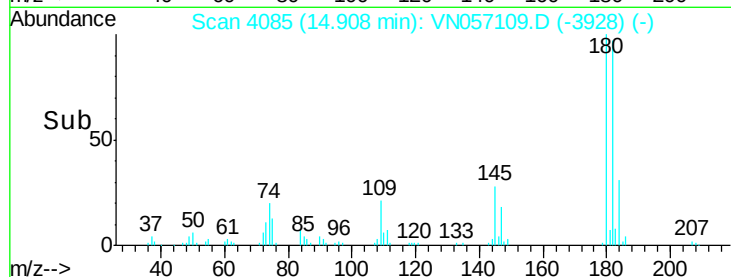
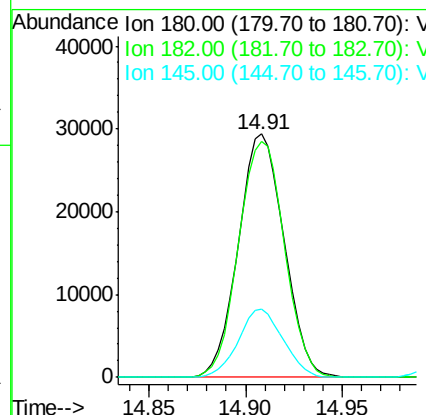
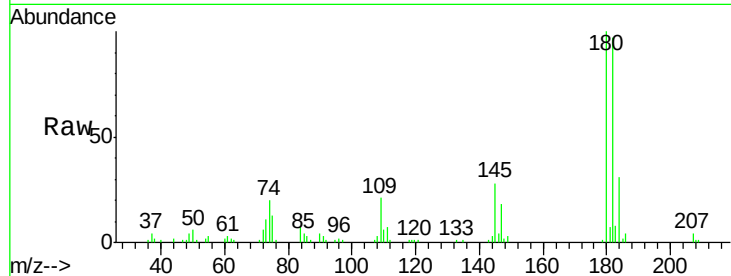
ClientSampleId :

VSTDCCC020EC

Tot Ion:	180	Resp:	48229
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.0	115.4
145	27.4	23.5	35.3

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#90

Hexachlorobutadiene

Concen: 22.167 ug/l

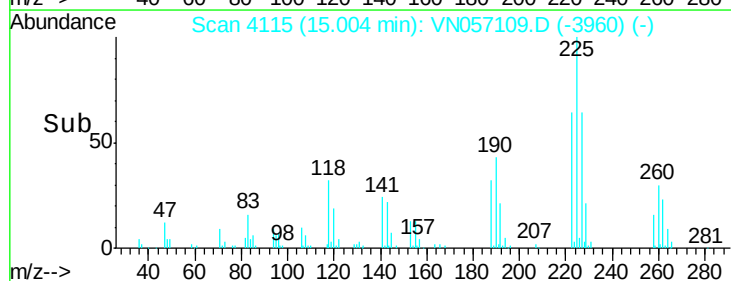
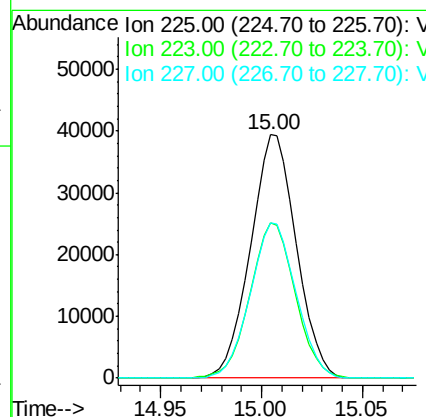
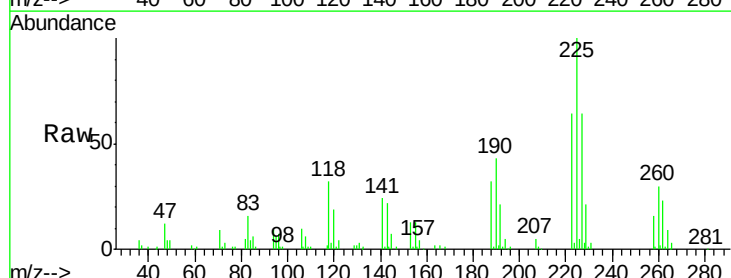
RT: 15.00 min Scan# 4115

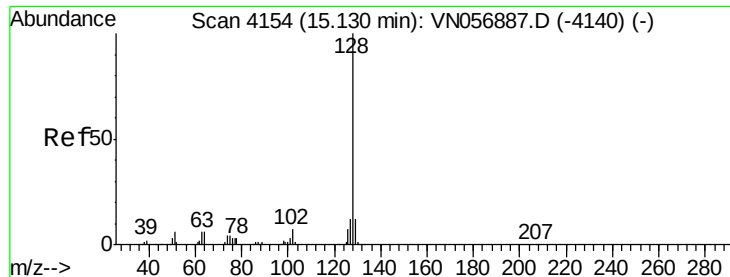
Delta R.T. -0.00 min

Lab File: VN057109.D

Acq: 6 Aug 2019 17:35

Tgt Ion:	225	Resp:	62616
Ion Ratio	Lower	Upper	
225	100		
223	63.1	0.0	130.0
227	63.5	0.0	127.2





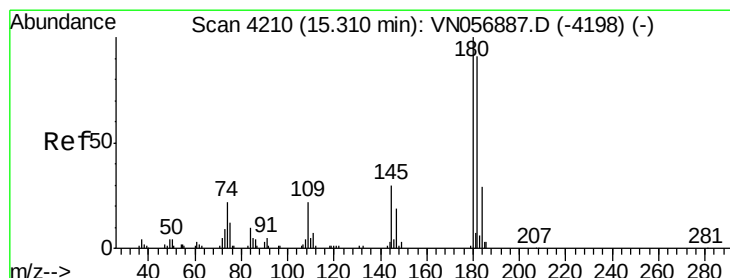
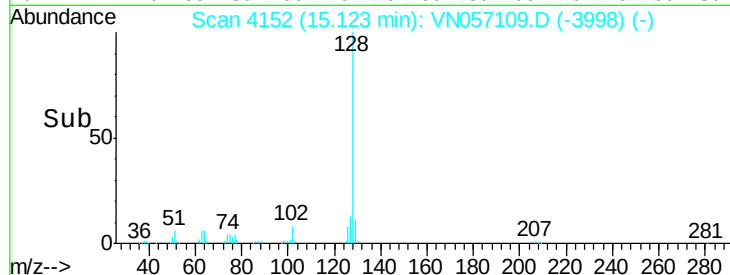
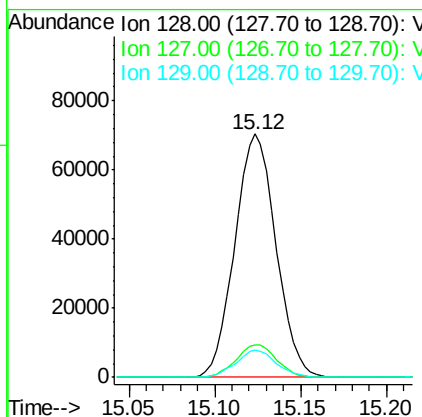
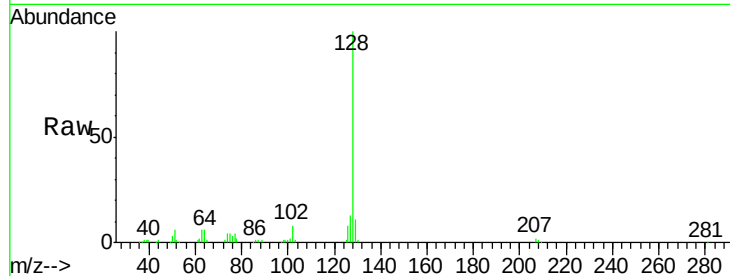
#91
Naphthalene
Concen: 16.269 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.01 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	116677		
127	13.1	10.0	15.0	
129	11.0	8.9	13.3	

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#92
1,2,3-Trichlorobenzene
Concen: 13.831 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. -0.02 min
Lab File: VN057109.D
Acq: 6 Aug 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56190		
182	97.4	0.0	188.0	
145	30.5	0.0	61.0	

